

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082218\
 Data File : VX004195.D
 Acq On : 22 Aug 2018 12:34
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/23/2018 9:40:04 AM

Quant Time: Aug 23 05:01:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 04:40:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	318672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	472665	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	434023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	302248	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	599394	144.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.62%	
35) Dibromofluoromethane	5.50	113	508270	144.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.10%	
50) Toluene-d8	8.72	98	1971014	148.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.00%	
62) 4-Bromofluorobenzene	11.14	95	801735	161.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	323.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	590730	160.04	ug/l	100
3) Chloromethane	1.32	50	624749	145.20	ug/l	100
4) Vinyl Chloride	1.40	62	621027	148.73	ug/l	100
5) Bromomethane	1.63	94	298288	118.00	ug/l	99
6) Chloroethane	1.70	64	326529	101.79	ug/l	95
7) Trichlorofluoromethane	1.92	101	838244	146.50	ug/l	94
8) Diethyl Ether	2.18	74	368358	150.34	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	510680	142.49	ug/l	100
10) Methyl Iodide	2.50	142	657176	178.36	ug/l	99
11) Tert butyl alcohol	3.10	59	669620	756.32	ug/l	99
12) 1,1-Dichloroethene	2.36	96	493967	146.32	ug/l	99
13) Acrolein	2.29	56	155550	728.74	ug/l	99
14) Allyl chloride	2.72	41	930550	150.03	ug/l	99
15) Acrylonitrile	3.15	53	1593932	726.95	ug/l	100
16) Acetone	2.45	43	1251604	634.28	ug/l	100
17) Carbon Disulfide	2.56	76	1441799	145.25	ug/l	99
18) Methyl Acetate	2.78	43	910151	147.67	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1644763	147.84	ug/l	100
20) Methylene Chloride	2.85	84	556326	139.14	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	531031	142.11	ug/l	92
22) Diisopropyl ether	3.87	45	1714223	148.02	ug/l	93
23) Vinyl Acetate	3.82	43	7050131	751.11	ug/l	98
24) 1,1-Dichloroethane	3.69	63	979759	145.17	ug/l	99
25) 2-Butanone	4.71	43	2091333	678.53	ug/l	99
26) 2,2-Dichloropropane	4.58	77	768665	145.21	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	620285	146.36	ug/l	100
28) Bromochloromethane	5.02	49	412290	137.98	ug/l	100
29) Tetrahydrofuran	5.16	42	1334166	747.63	ug/l	100
30) Chloroform	5.21	83	966526	142.83	ug/l	97
31) Cyclohexane	5.57	56	901372	154.79	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	857263	151.93	ug/l	99
36) 1,1-Dichloropropene	5.80	75	775154	145.87	ug/l	99
37) Ethyl Acetate	4.87	43	781901	149.62	ug/l	100
38) Carbon Tetrachloride	5.78	117	758112	151.66	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	943944	155.59	ug/l	99
40) Benzene	6.14	78	2323284	146.32	ug/l	99
41) Methacrylonitrile	5.06	41	454563	150.06	ug/l	99
42) 1,2-Dichloroethane	6.20	62	775104	143.11	ug/l	100
43) Isopropyl Acetate	6.46	43	1306386	162.68	ug/l	99
44) Trichloroethene	7.21	130	640834	145.80	ug/l	100
45) 1,2-Dichloropropane	7.52	63	594549	149.61	ug/l	99
46) Dibromomethane	7.67	93	388437	146.80	ug/l	99
47) Bromodichloromethane	7.90	83	772278	156.85	ug/l	100
48) Methyl methacrylate	7.78	41	700194	162.95	ug/l	99
49) 1,4-Dioxane	7.76	88	306253	3139.18	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	4374945	749.82	ug/l	98
52) Toluene	8.79	92	1507589	151.68	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	920889	169.34	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	971389	163.99	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	602673	150.21	ug/l	99
56) Ethyl methacrylate	9.18	69	977055	178.89	ug/l	98
57) 1,3-Dichloropropane	9.37	76	1017343	150.43	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	2374591	848.50	ug/l	100
59) 2-Hexanone	9.50	43	3417464	767.74	ug/l	98
60) Dibromochloromethane	9.59	129	648116	165.80	ug/l	100
61) 1,2-Dibromoethane	9.68	107	639106	153.92	ug/l	100
64) Tetrachloroethene	9.34	164	597262	139.30	ug/l	99
65) Chlorobenzene	10.14	112	1562164	143.41	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	587475	156.37	ug/l	98
67) Ethyl Benzene	10.26	91	2701645	152.72	ug/l	97
68) m/p-Xylenes	10.36	106	2162145	312.57	ug/l	99
69) o-Xylene	10.70	106	1060997	162.15	ug/l	94
70) Styrene	10.71	104	1744515	164.66	ug/l	97
71) Bromoform	10.86	173	545894	180.25	ug/l	100
73) Isopropylbenzene	11.02	105	2947432	148.48	ug/l	99
74) N-amyl acetate	10.90	43	1271463	166.35	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	1006442	144.88	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	880388m	147.53	ug/l	
77) Bromobenzene	11.26	156	809207	145.32	ug/l	98
78) n-propylbenzene	11.36	91	3419071	149.75	ug/l	99
79) 2-Chlorotoluene	11.42	91	2037557	144.99	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2545064	154.81	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	338337	178.58	ug/l	93
82) 4-Chlorotoluene	11.51	91	2444536	147.83	ug/l	99
83) tert-Butylbenzene	11.77	119	2589528	156.56	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	2611969	154.78	ug/l	99
85) sec-Butylbenzene	11.95	105	2997546	152.65	ug/l	99
86) p-Isopropyltoluene	12.07	119	2752002	156.38	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	1517738	144.76	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1526128	138.42	ug/l	98
89) n-Butylbenzene	12.39	91	2295955	160.44	ug/l	99
90) Hexachloroethane	12.60	117	406976	165.45	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	1403459	146.46	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	193714	158.32	ug/l	97

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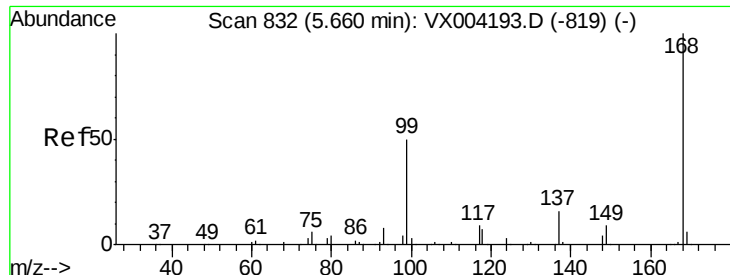
Manual Integrations
APPROVED

MMDadoda
8/23/2018 9:40:04 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 04:40:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1055271	151.36	ug/l	98
94) Hexachlorobutadiene	13.79	225	484455	141.54	ug/l	98
95) Naphthalene	13.83	128	3293403	167.01	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	1142134	154.75	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.00 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 318672

Ion Ratio Lower Upper

168 100

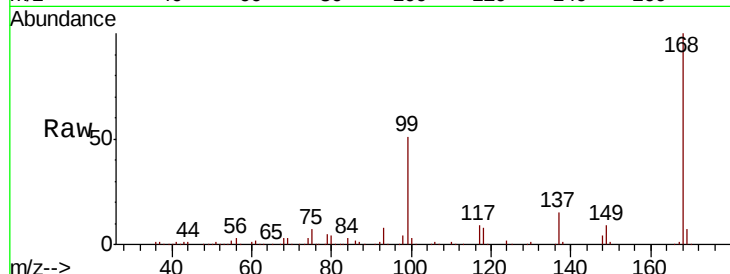
99 51.0 39.9 59.9

Manual Integrations

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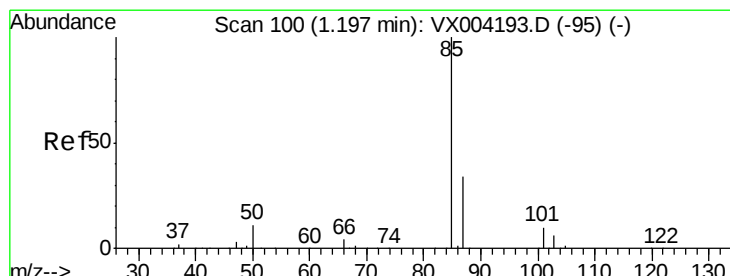
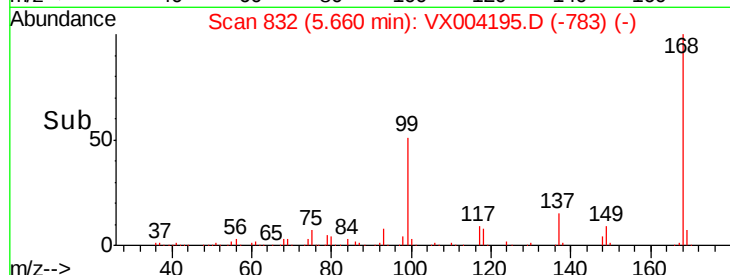
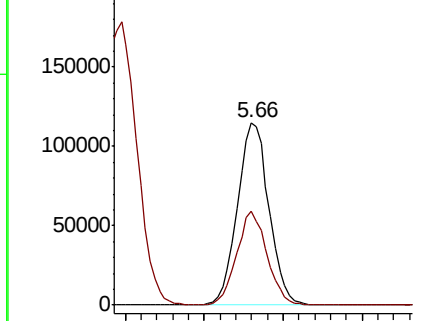
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 160.04 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004195.D

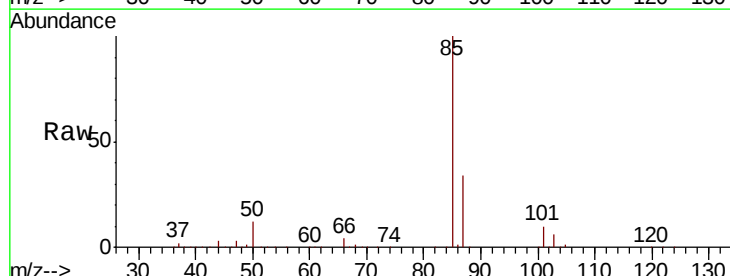
Acq: 22 Aug 2018 12:34

Tgt Ion: 85 Resp: 590730

Ion Ratio Lower Upper

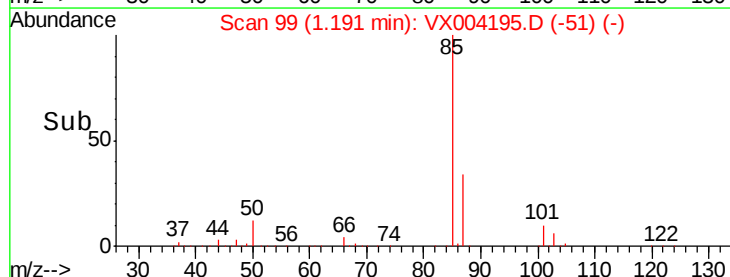
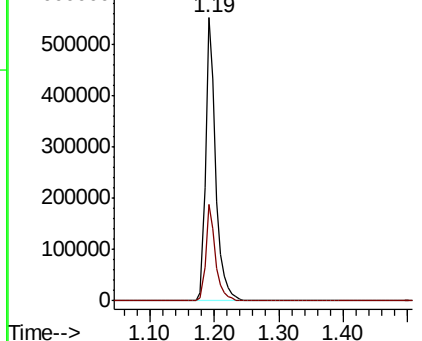
85 100

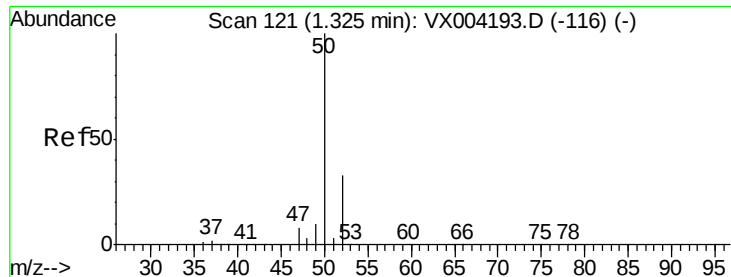
87 33.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 145.20 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 624749

Ion Ratio Lower Upper

50 100

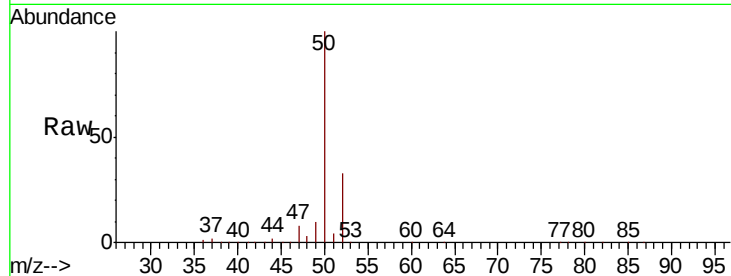
52 32.8 26.2 39.2

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600000

500000

400000

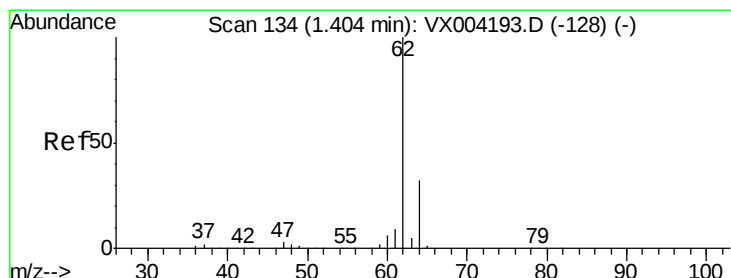
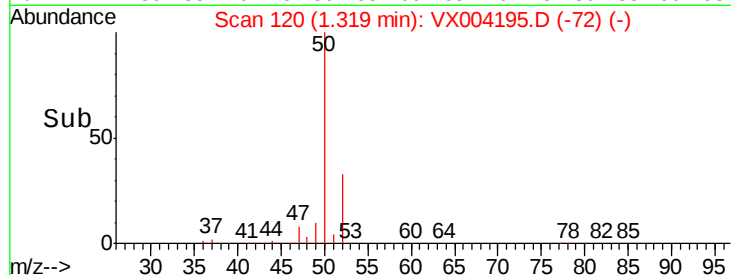
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 148.73 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX004195.D

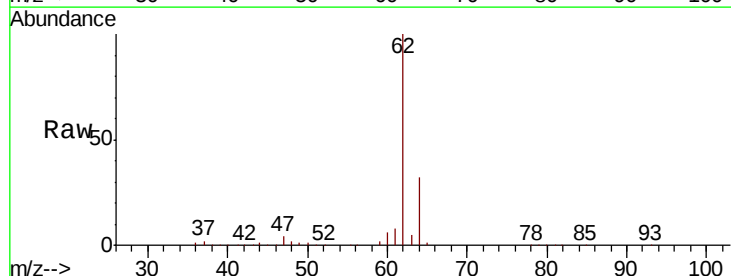
Acq: 22 Aug 2018 12:34

Tgt Ion: 62 Resp: 621027

Ion Ratio Lower Upper

62 100

64 32.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

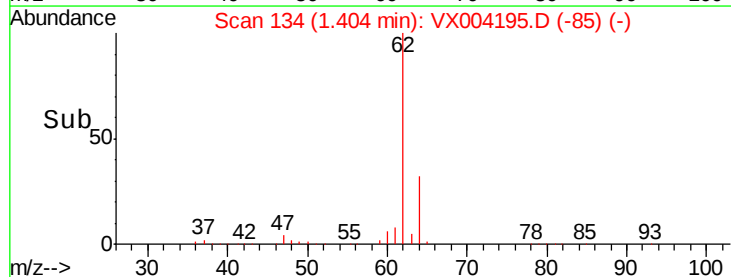
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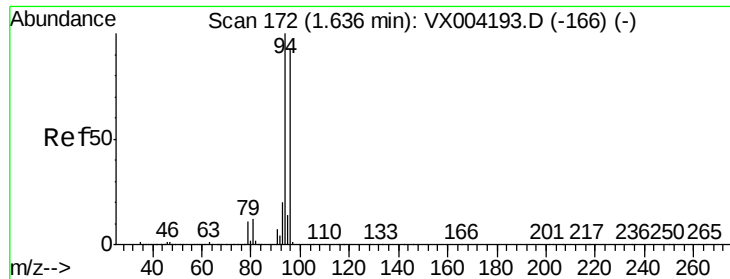
400000

200000

0

Time-->





#5

Bromomethane

Concen: 118.00 ug/l

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 298288

Ion Ratio Lower Upper

94 100

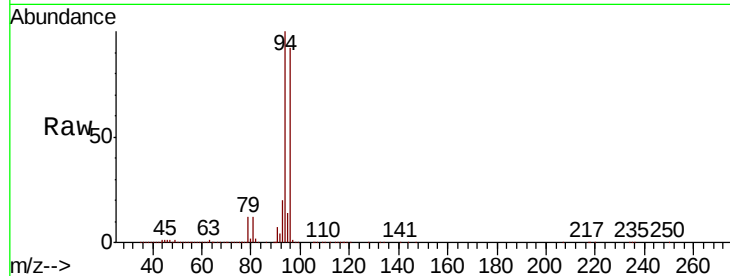
96 92.0 74.5 111.7

Manual Integrations

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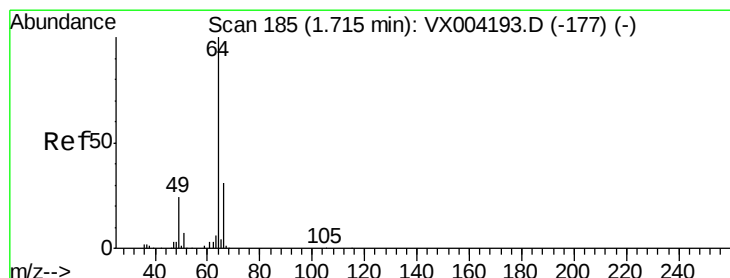
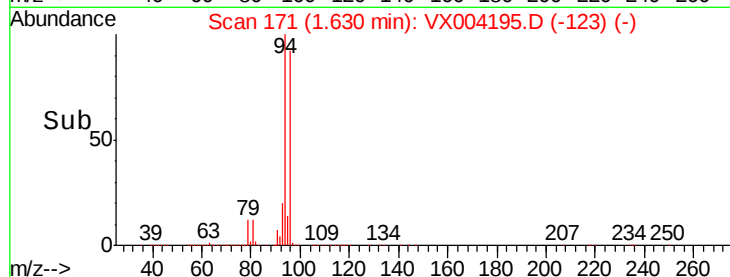
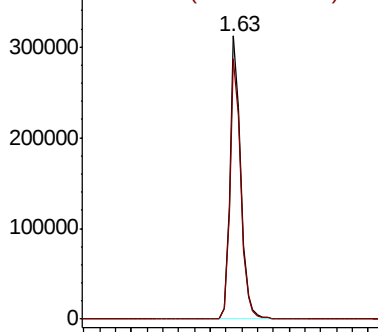
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 101.79 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.01 min

Lab File: VX004195.D

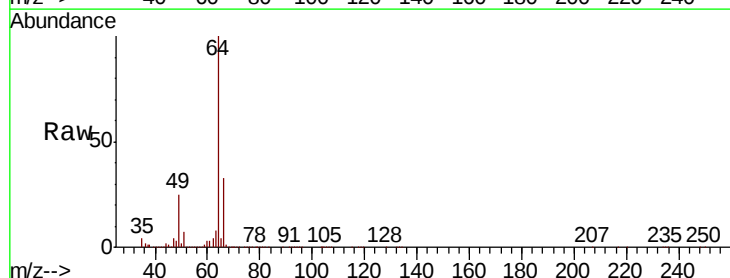
Acq: 22 Aug 2018 12:34

Tgt Ion: 64 Resp: 326529

Ion Ratio Lower Upper

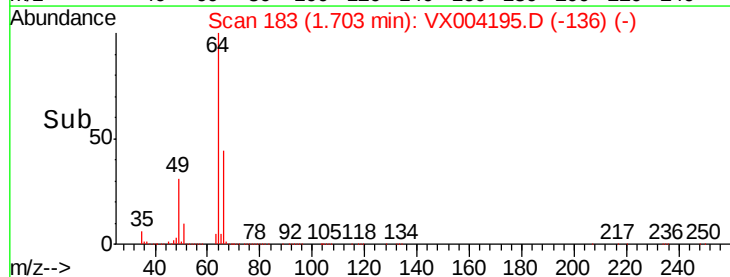
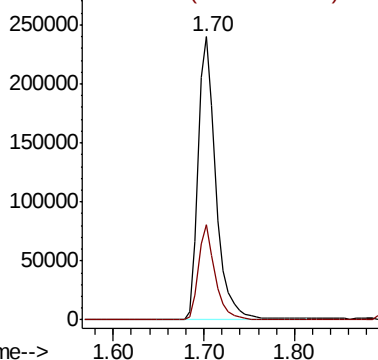
64 100

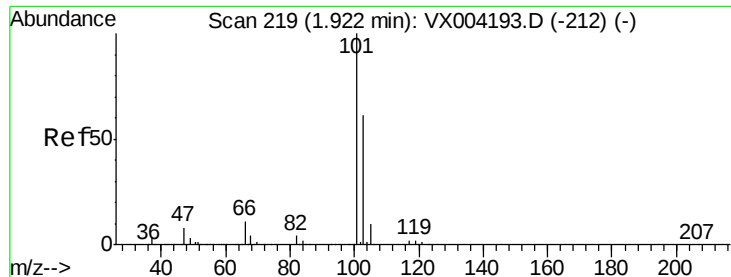
66 33.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

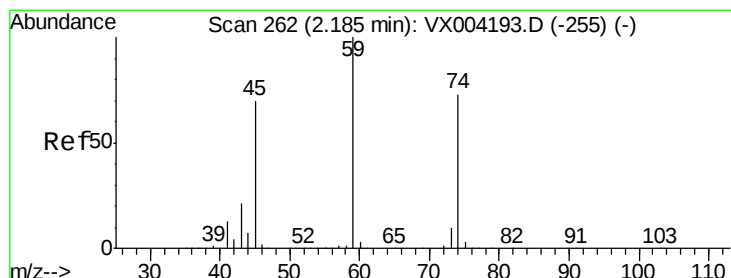
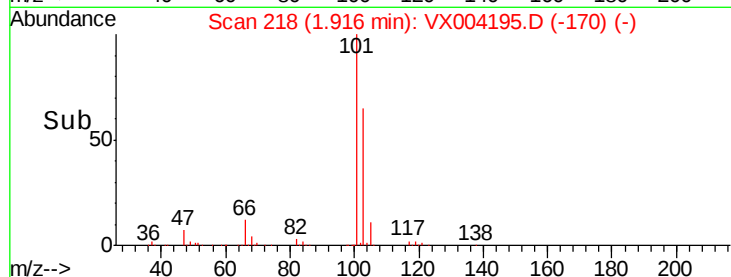
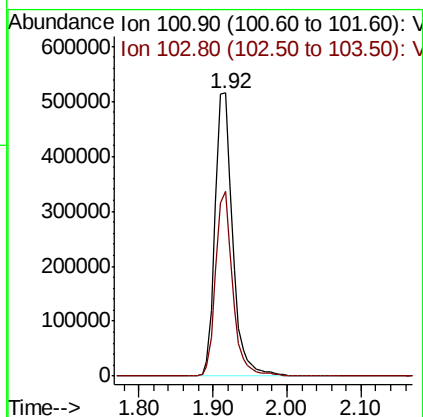
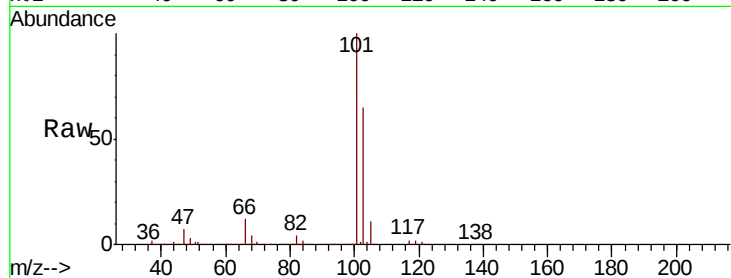
Trichlorofluoromethane
Concen: 146.50 ug/l
RT: 1.92 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	48.9	73.3

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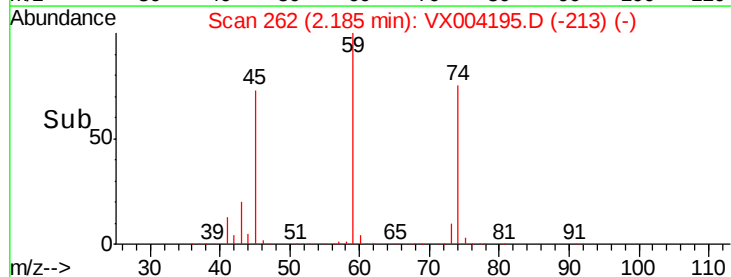
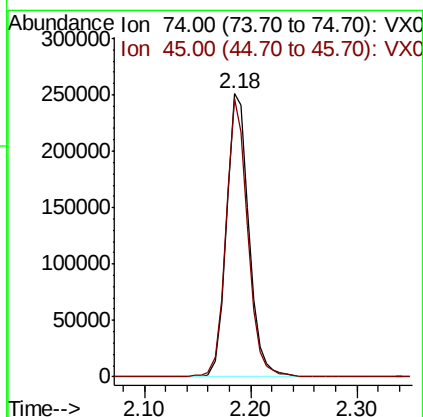
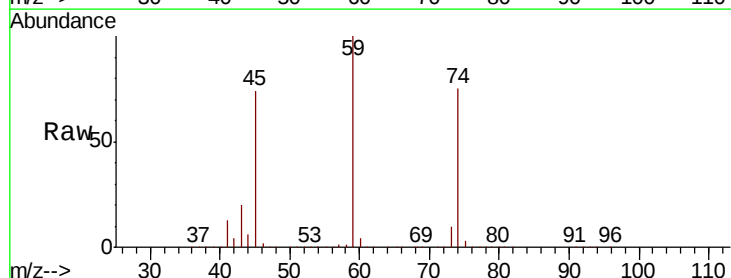
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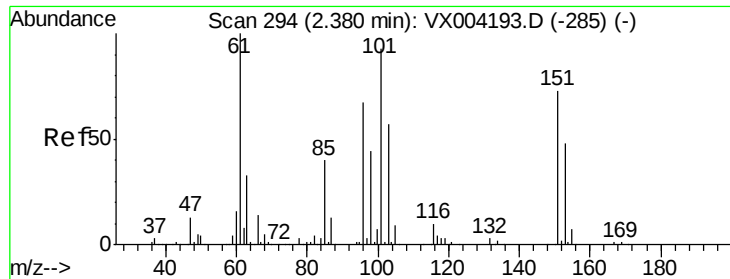


#8

Diethyl Ether
Concen: 150.34 ug/l
RT: 2.18 min Scan# 262
Delta R.T. 0.00 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.5	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 142.49 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_X

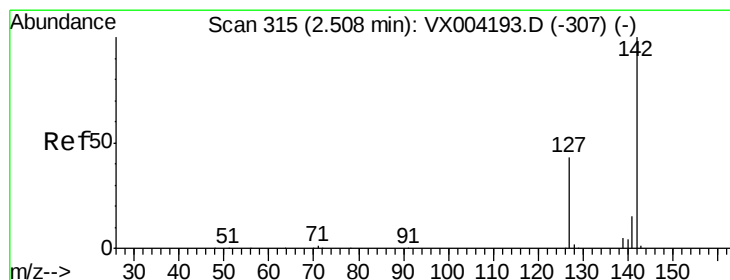
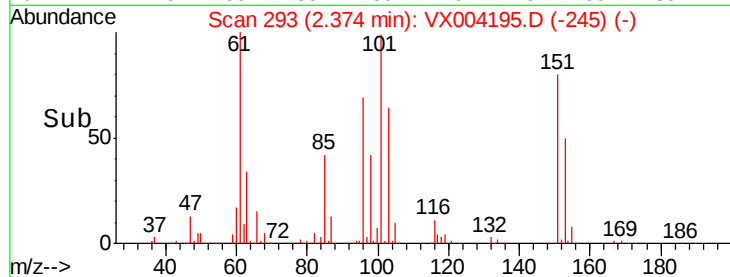
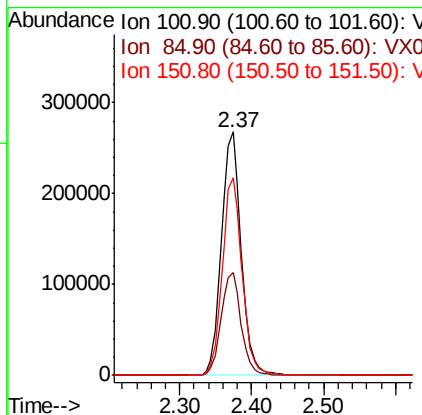
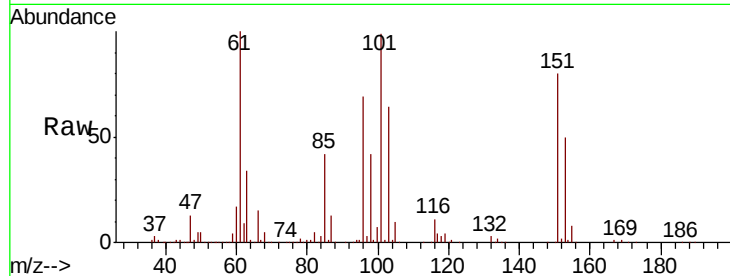
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	510680
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.4
151	81.1	65.0	97.6

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#10

Methyl Iodide

Concen: 178.36 ug/l

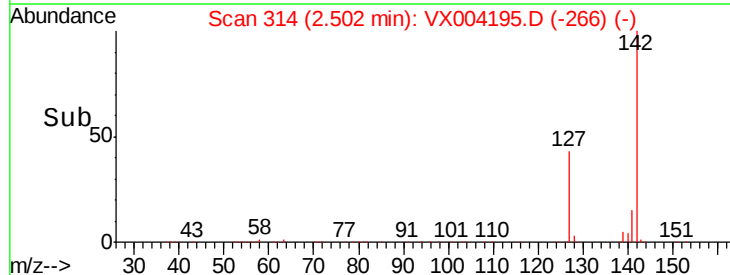
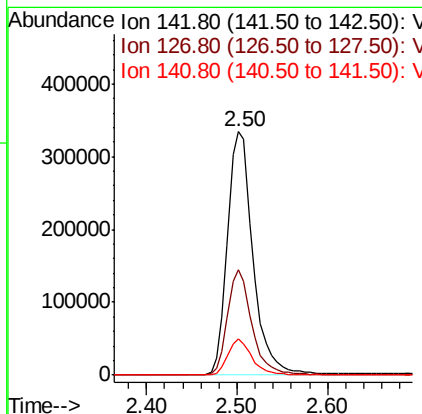
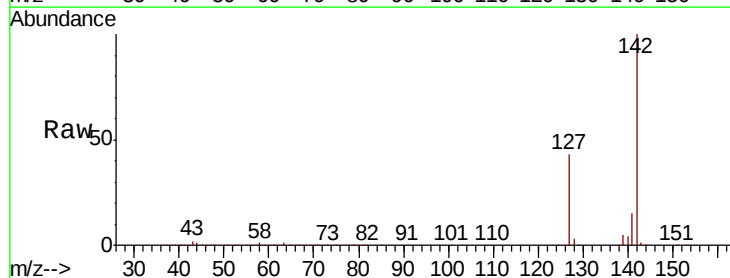
RT: 2.50 min Scan# 314

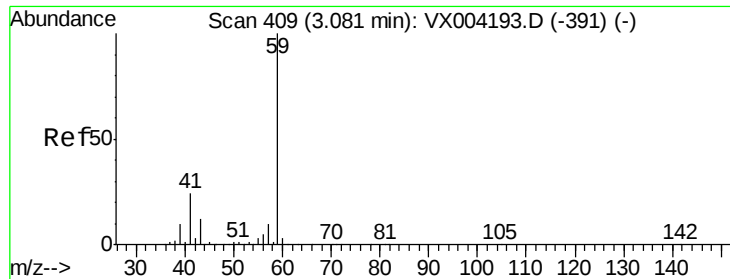
Delta R.T. -0.01 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Tgt Ion:	142	Resp:	657176
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.8	50.6
141	14.2	11.4	17.0





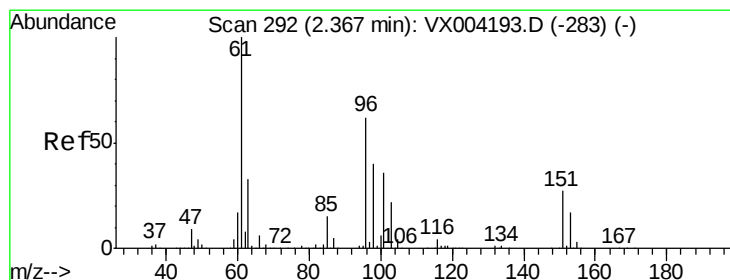
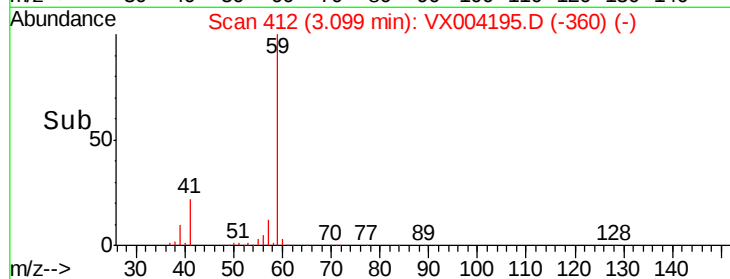
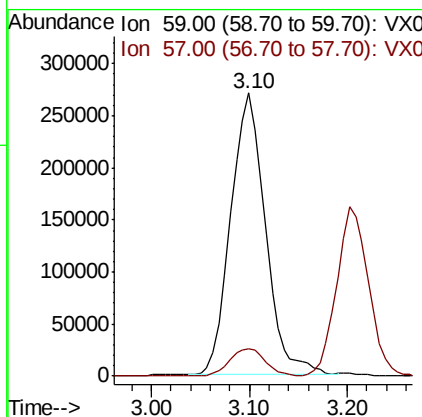
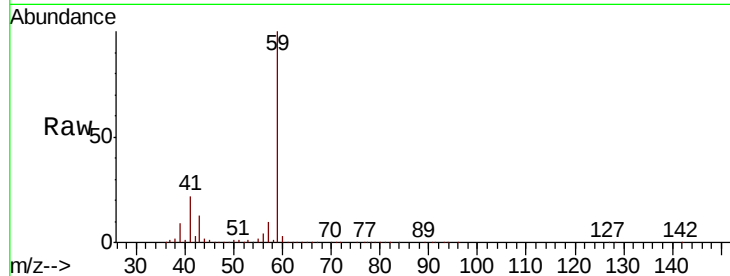
#11
Tert butyl alcohol
Concen: 756.32 ug/l
RT: 3.10 min Scan# 412
Delta R.T. 0.02 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	59	Resp	669620
Ion Ratio	100	Lower	Upper
57	10.1	8.2	12.4

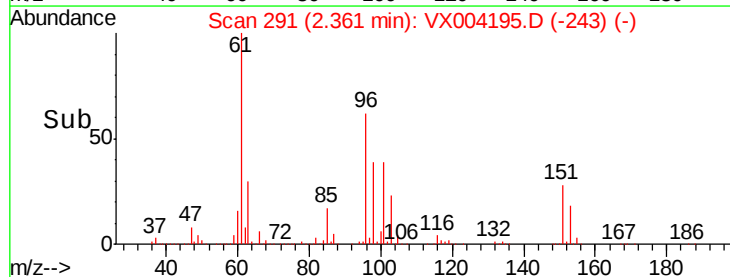
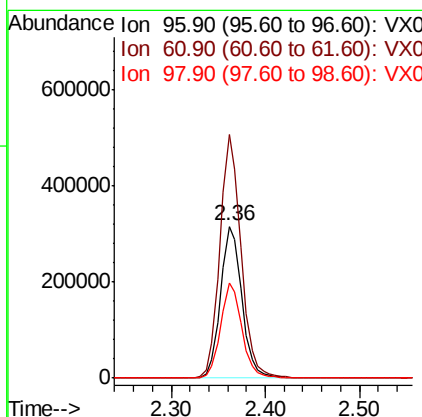
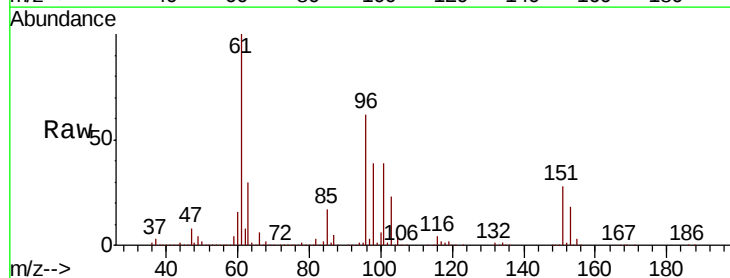
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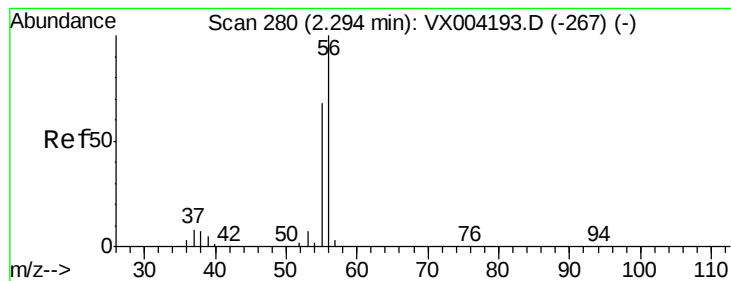
MMDadoda
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#12
1,1-Dichloroethene
Concen: 146.32 ug/l
RT: 2.36 min Scan# 291
Delta R.T. -0.01 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Tgt Ion	96	Resp	493967
Ion Ratio	100	Lower	Upper
61	160.7	128.8	193.2
98	63.1	52.2	78.2





#13

Acrolein

Concen: 728.74 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 155550

Ion Ratio Lower Upper

56 100

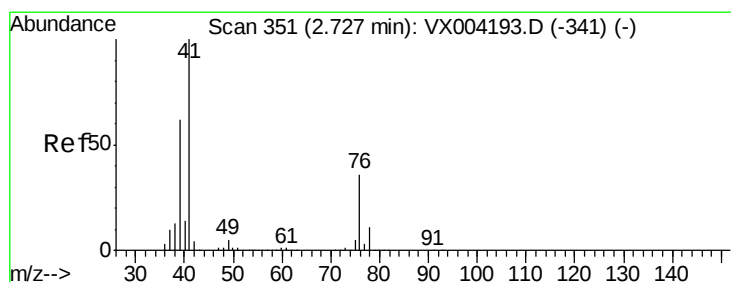
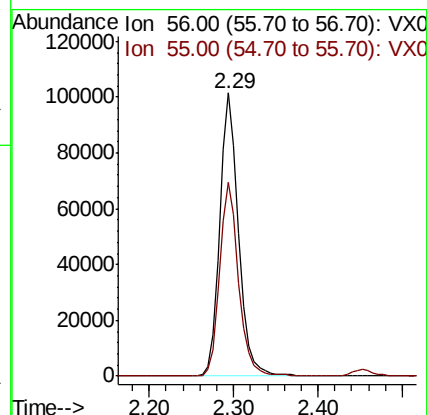
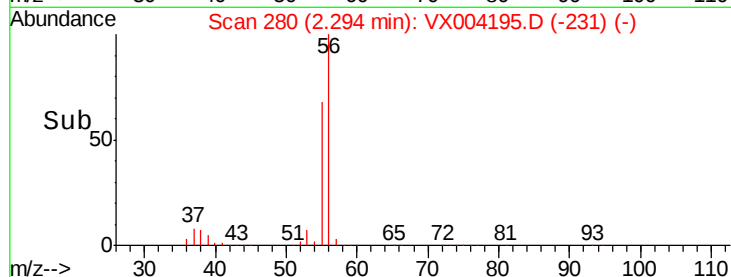
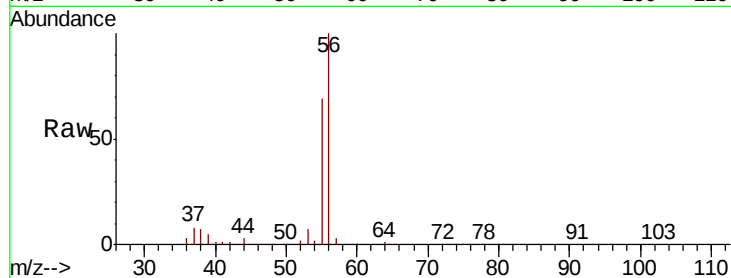
55 69.3 54.7 82.1

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#14

Allyl chloride

Concen: 150.03 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

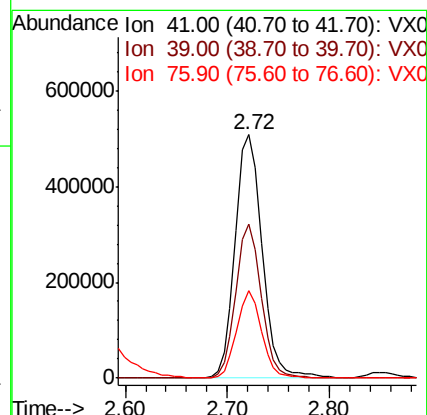
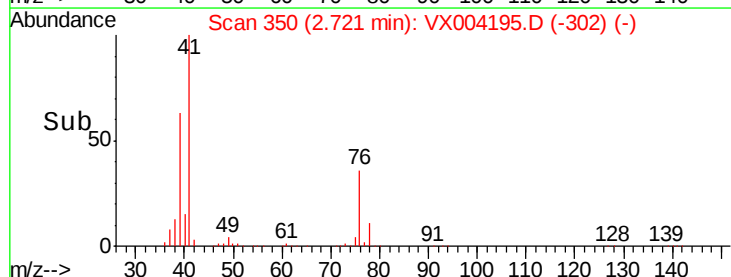
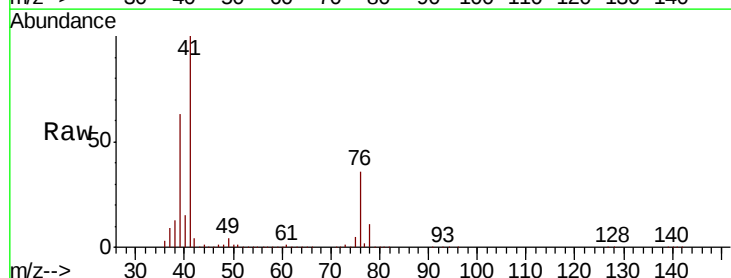
Tgt Ion: 41 Resp: 930550

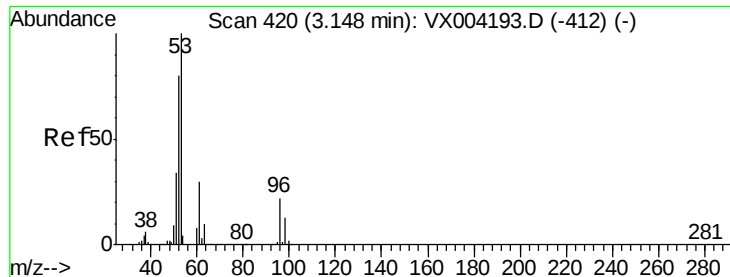
Ion Ratio Lower Upper

41 100

39 59.7 48.9 73.3

76 33.2 26.7 40.1





#15

Acrylonitrile

Concen: 726.95 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1593932

Ion Ratio Lower Upper

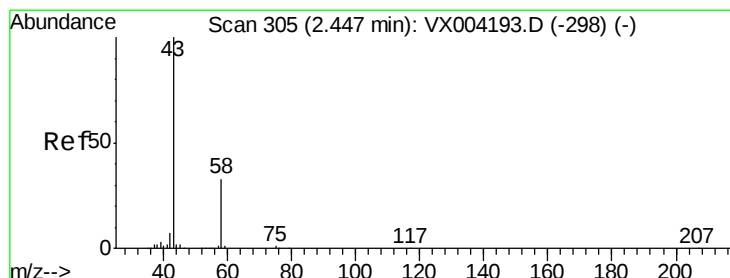
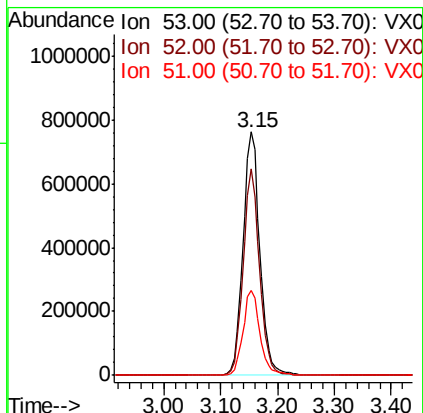
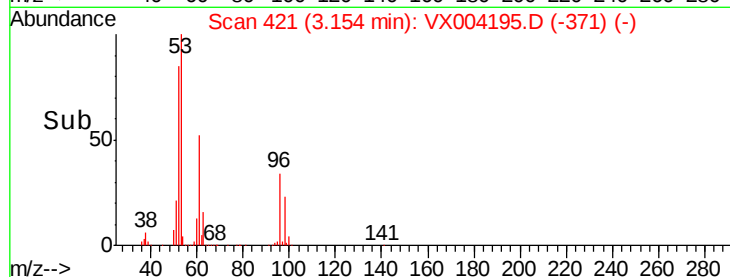
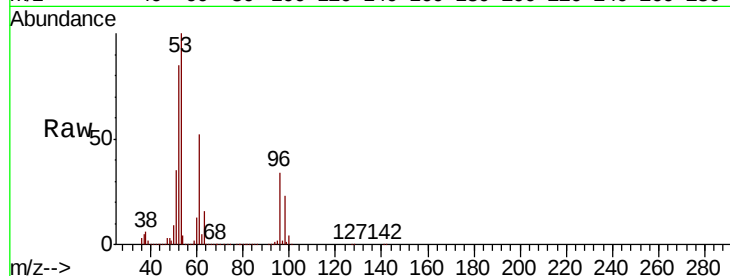
53 100

52 81.6 65.2 97.8

51 35.4 28.2 42.2

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#16

Acetone

Concen: 634.28 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX004195.D

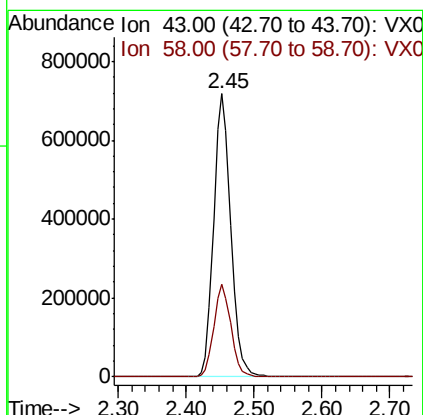
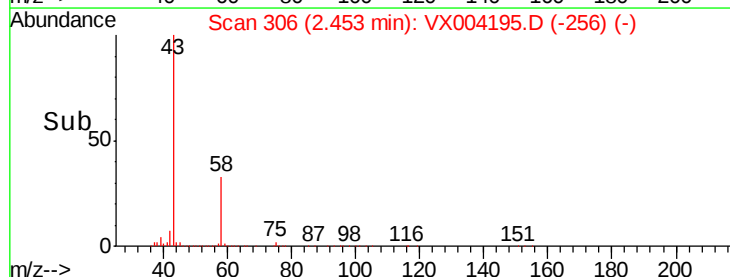
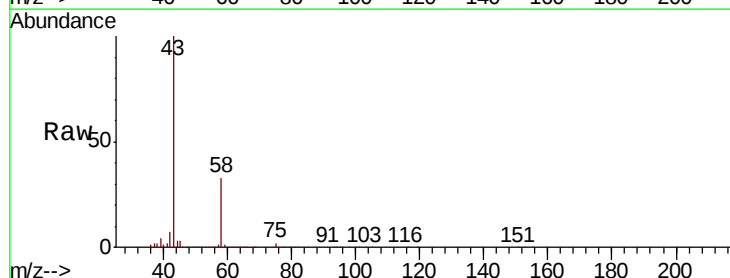
Acq: 22 Aug 2018 12:34

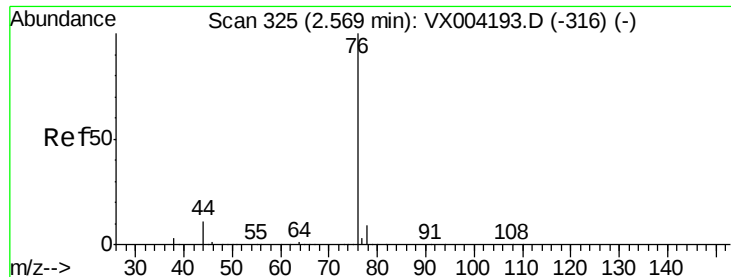
Tgt Ion: 43 Resp: 1251604

Ion Ratio Lower Upper

43 100

58 32.7 26.2 39.4





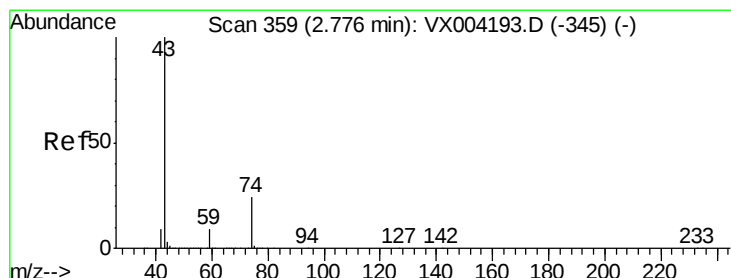
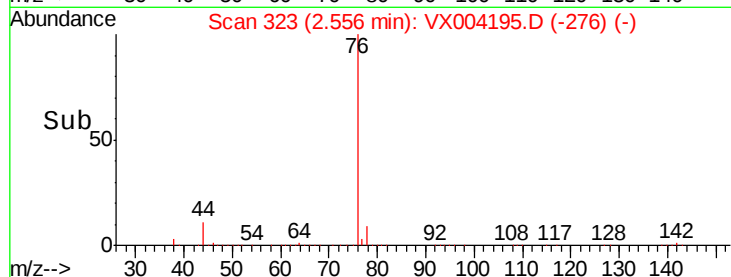
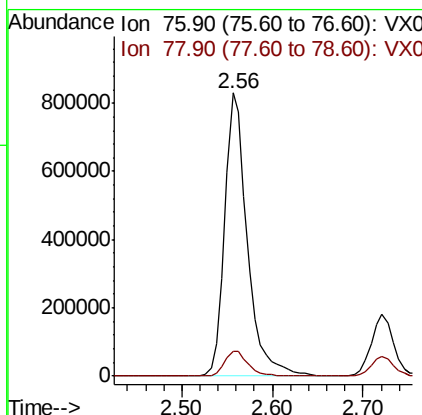
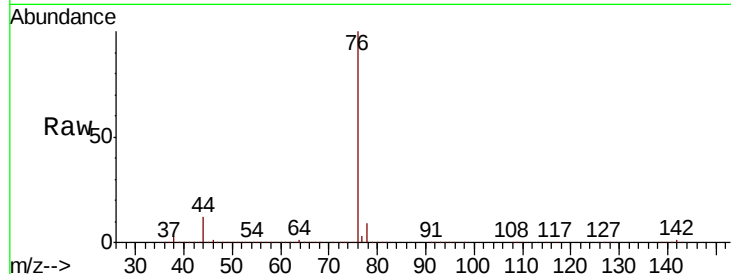
#17
Carbon Disulfide
Concen: 145.25 ug/l
RT: 2.56 min Scan# 323
Delta R.T. -0.01 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1441799
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.6

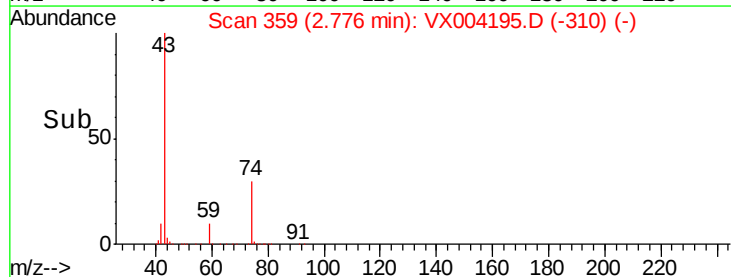
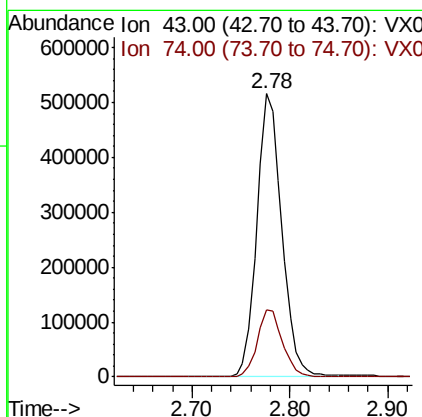
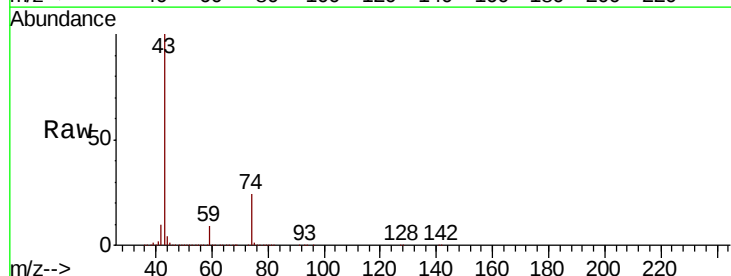
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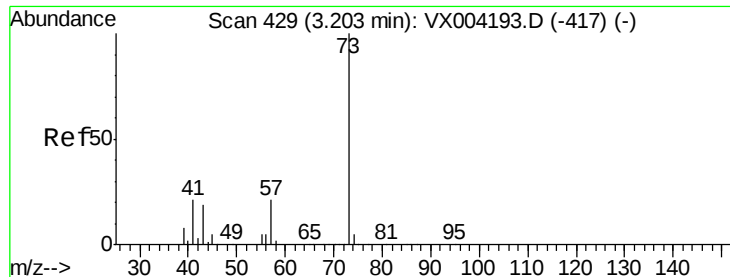
MMDadoda
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#18
Methyl Acetate
Concen: 147.67 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.00 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Tgt Ion: 43 Resp: 910151
Ion Ratio Lower Upper
43 100
74 23.9 19.4 29.2





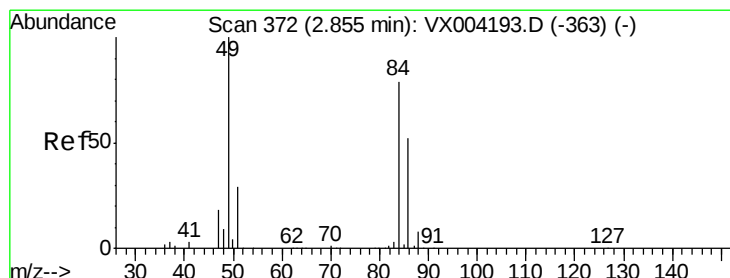
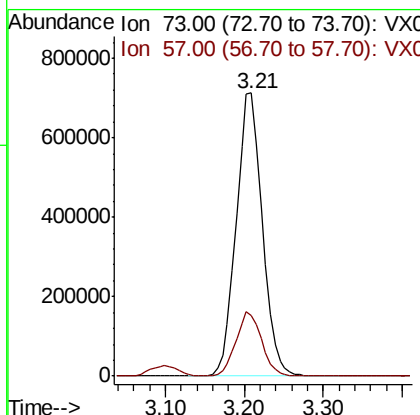
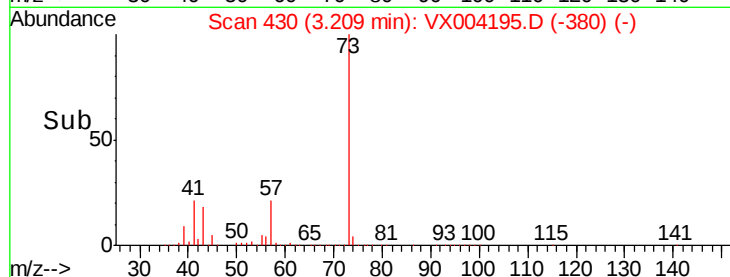
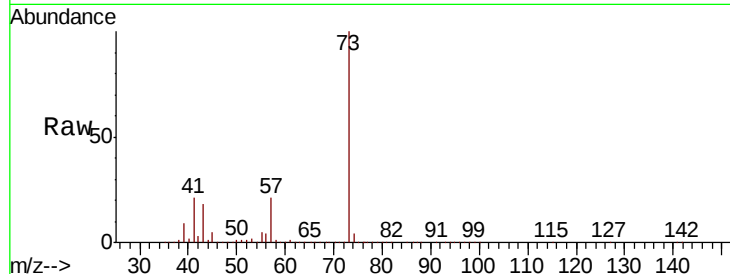
#19
Methvl tert-butvl Ether
Concen: 147.84 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.01 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1644763
Ion Ratio Lower Upper
73 100
57 21.4 17.1 25.7

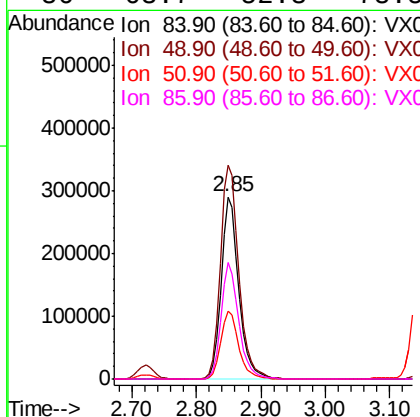
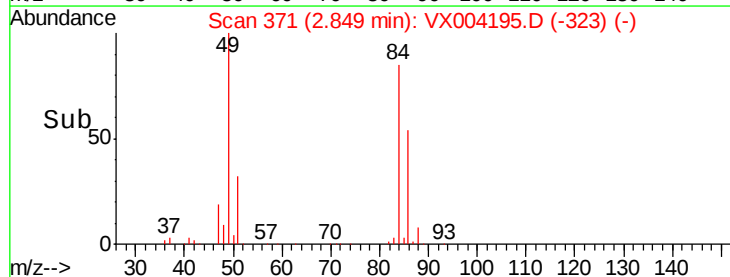
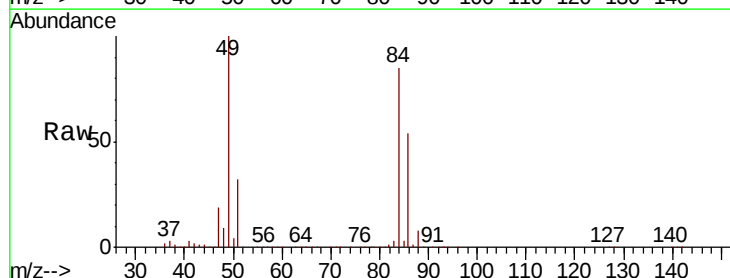
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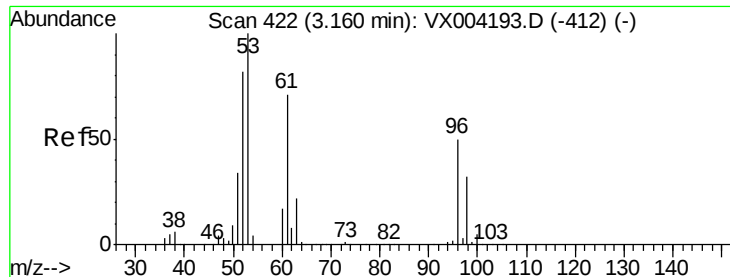
MMDadoda
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#20
Methylene Chloride
Concen: 139.14 ug/l
RT: 2.85 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Tgt Ion: 84 Resp: 556326
Ion Ratio Lower Upper
84 100
49 117.4 101.2 151.8
51 37.3 29.5 44.3
86 63.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 142.11 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_X

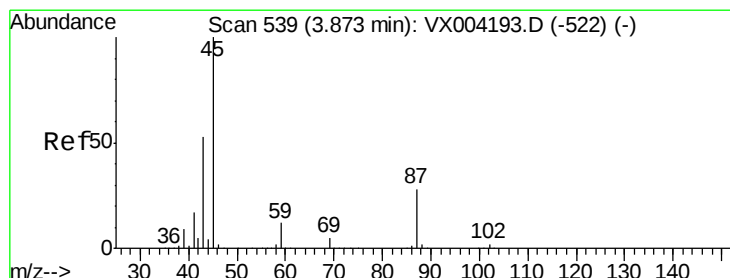
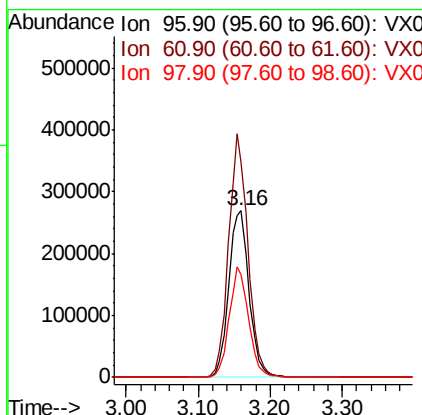
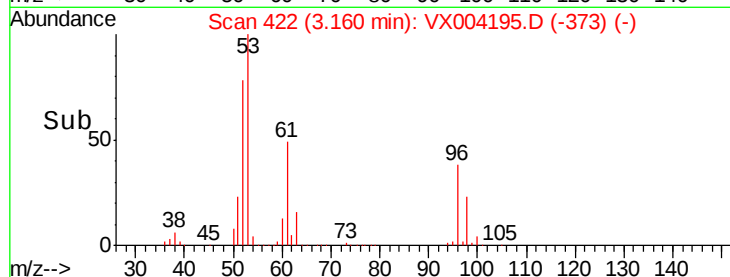
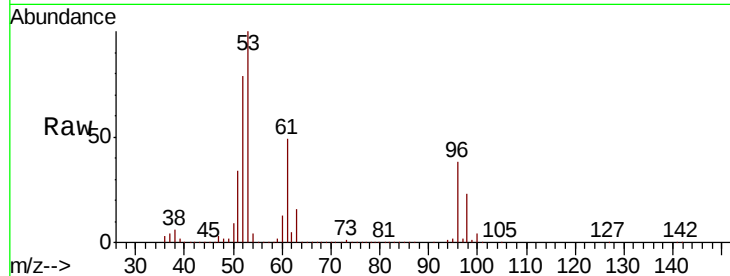
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	531031
Ion	Ratio	Lower	Upper
96	100		
61	129.3	113.8	170.6
98	61.7	51.8	77.8

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#22

Diisopropyl ether

Concen: 148.02 ug/l

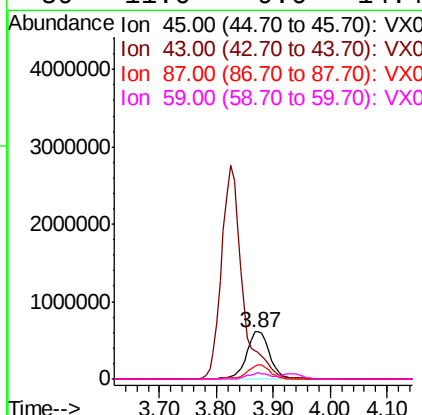
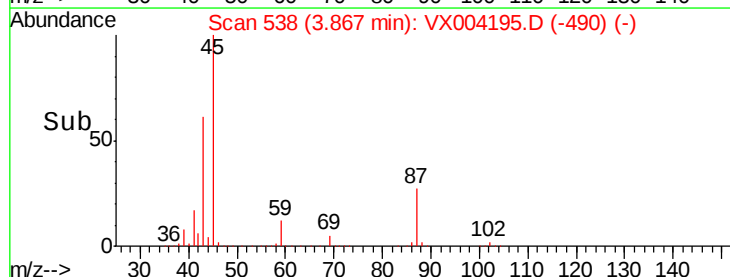
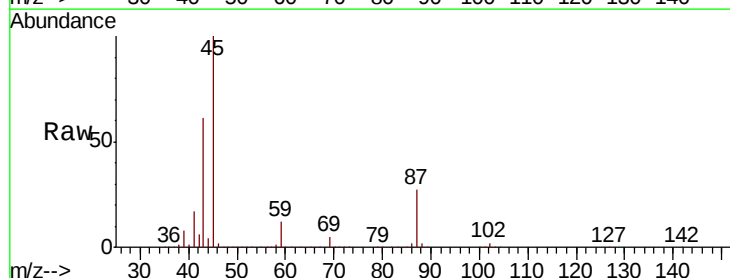
RT: 3.87 min Scan# 538

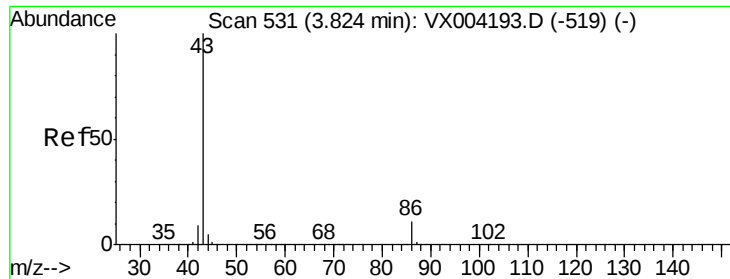
Delta R.T. -0.01 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Tgt Ion:	45	Resp:	1714223
Ion	Ratio	Lower	Upper
45	100		
43	60.9	42.8	64.2
87	26.6	22.6	34.0
59	11.6	9.6	14.4





#23

Vinyl Acetate

Concen: 751.11 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 7050131

Ion Ratio Lower Upper

43 100

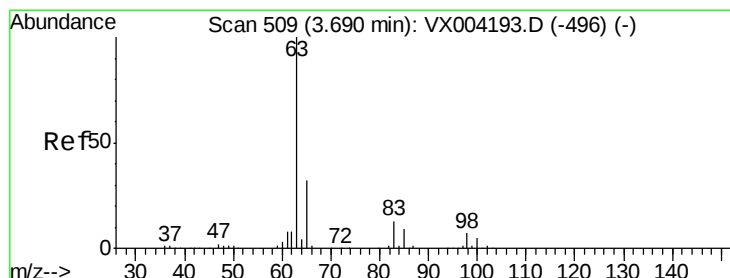
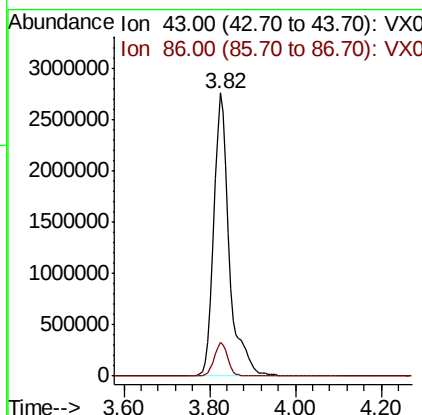
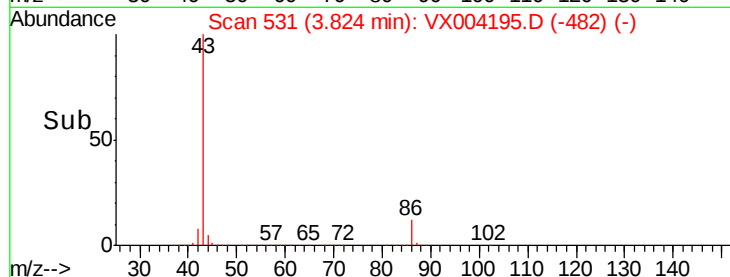
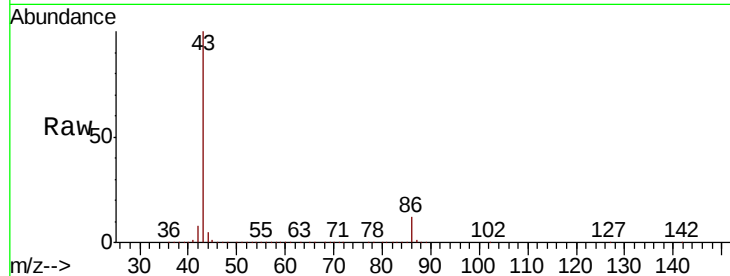
86 11.8 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 145.17 ug/l

RT: 3.69 min Scan# 509

Delta R.T. 0.00 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

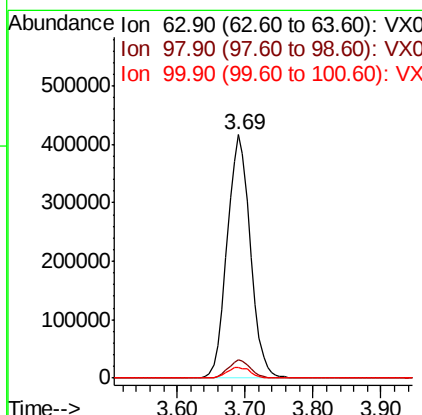
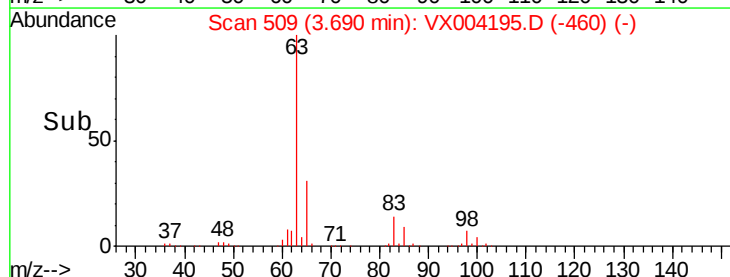
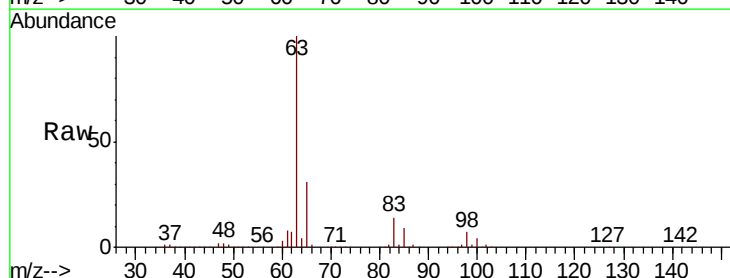
Tgt Ion: 63 Resp: 979759

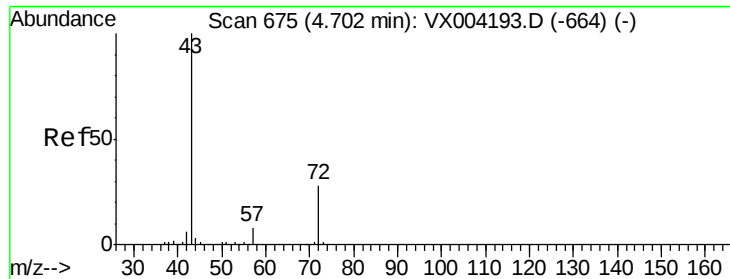
Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.4

100 4.5 2.4 7.1





#25

2-Butanone

Concen: 678.53 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Tot Ion: 43 Resp: 2091333

Ion Ratio Lower Upper

43 100

72 28.1 22.0 33.0

Instrument :

MSVOA_X

ClientSampleId :

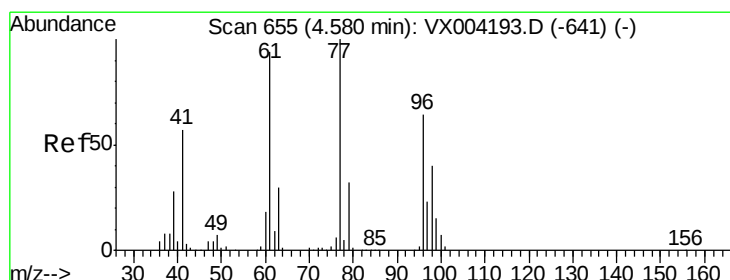
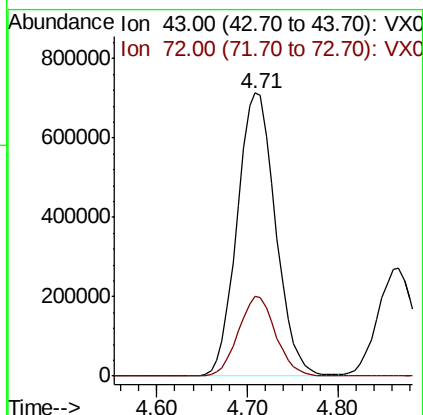
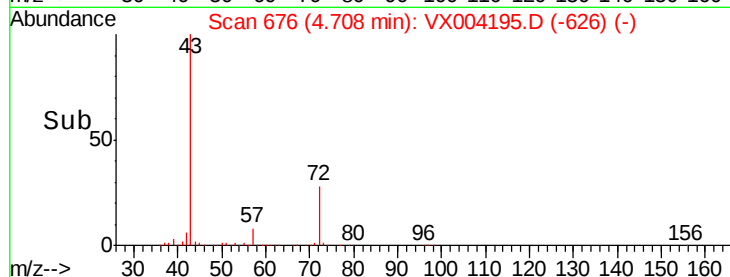
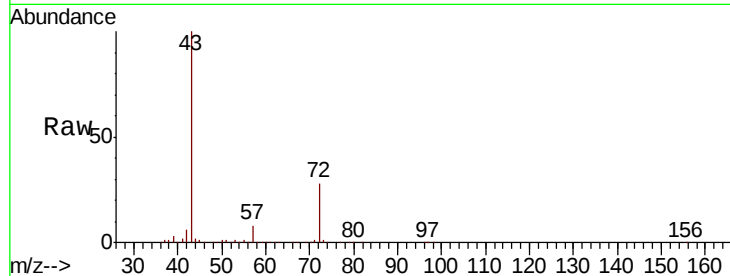
VSTDIC150

Manual Integrations

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8/23/2018 9:40:04 AM



#26

2,2-Dichloropropane

Concen: 145.21 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX004195.D

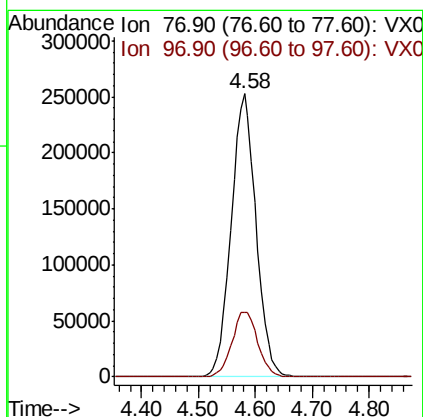
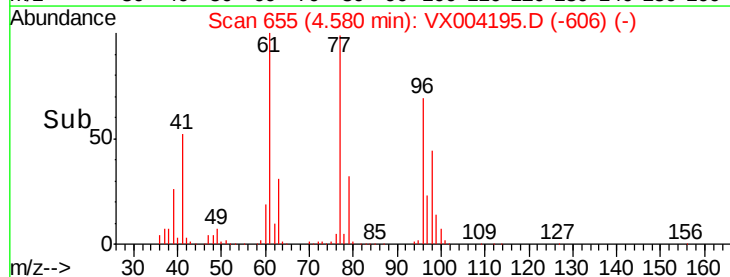
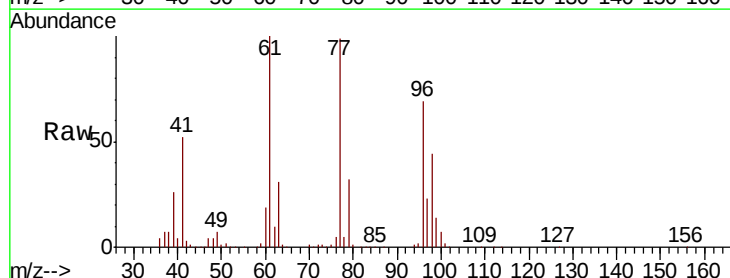
Acq: 22 Aug 2018 12:34

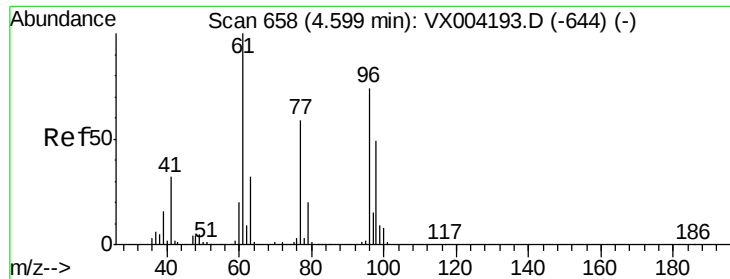
Tgt Ion: 77 Resp: 768665

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.0





#27

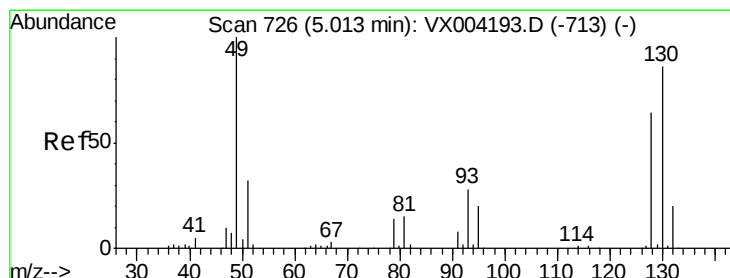
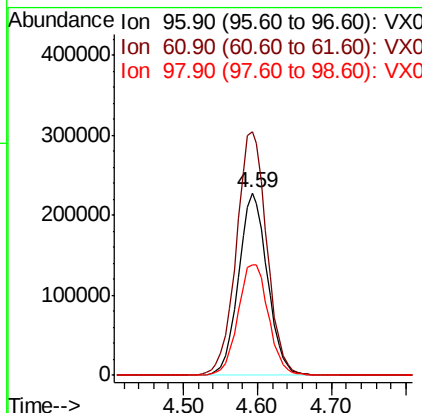
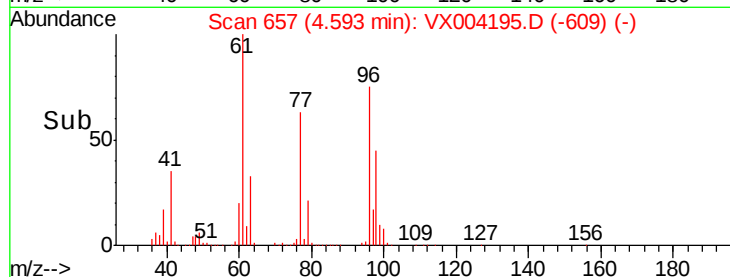
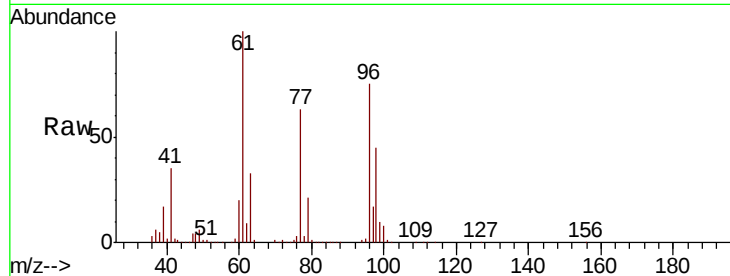
cis-1,2-Dichloroethene
Concen: 146.36 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	620285		
61	141.3	0.0	282.6	
98	64.2	0.0	130.2	

Manual Integrations
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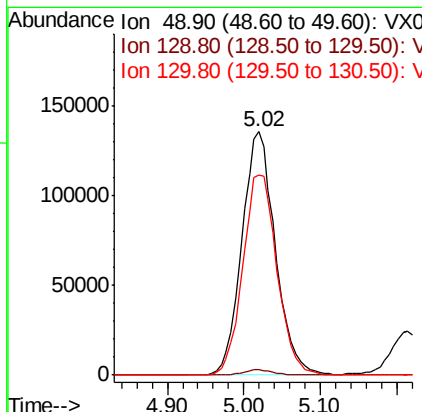
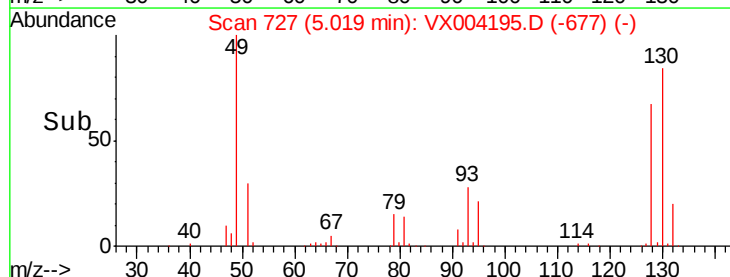
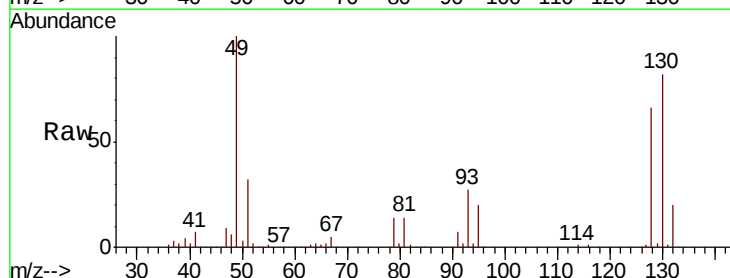
MMDadoda
8/23/2018 9:40:04 AM

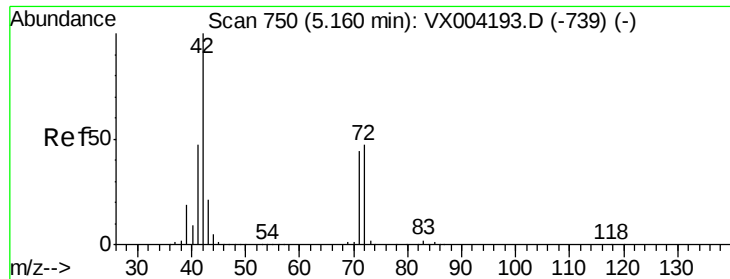


#28

Bromochloromethane
Concen: 137.98 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	412290		
129	2.0	0.0	4.2	
130	84.4	67.5	101.3	





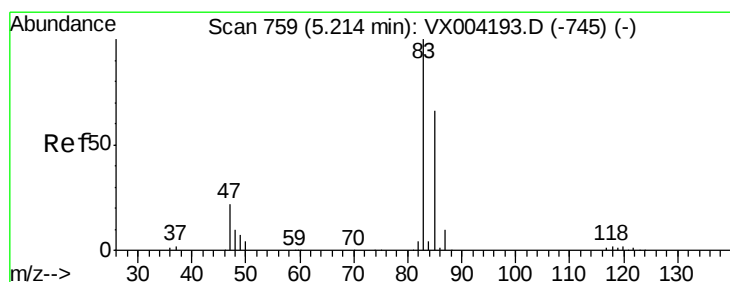
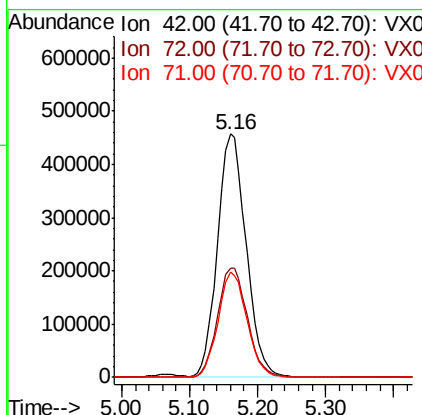
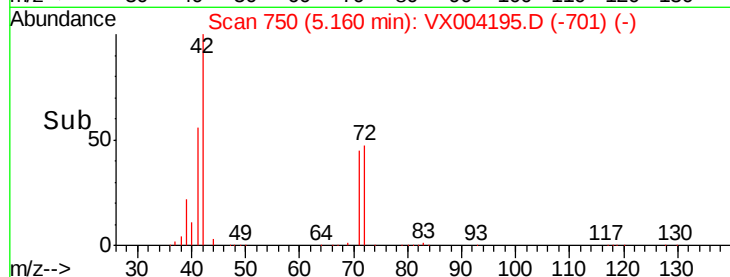
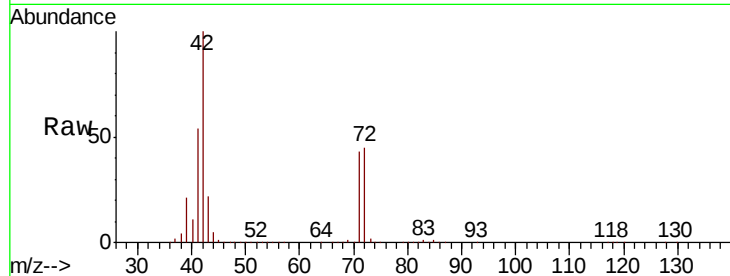
#29
Tetrahydrofuran
Concen: 747.63 ug/l
RT: 5.16 min Scan# 750
Delta R.T. 0.00 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.4	56.0
71	43.6	34.5	51.7

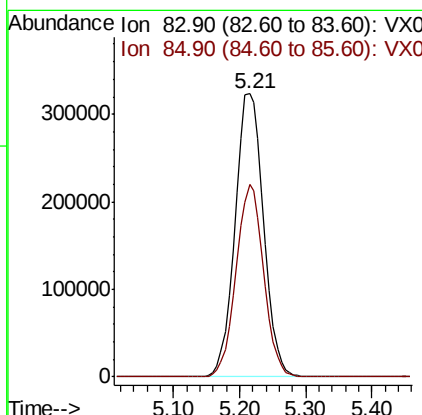
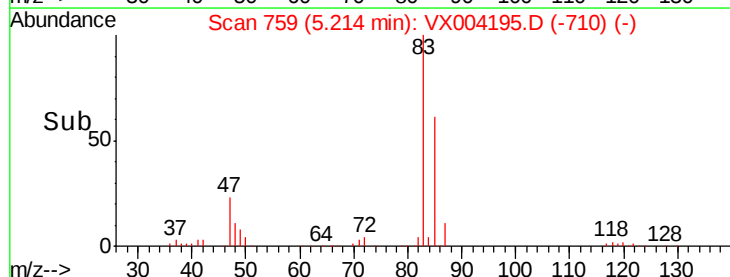
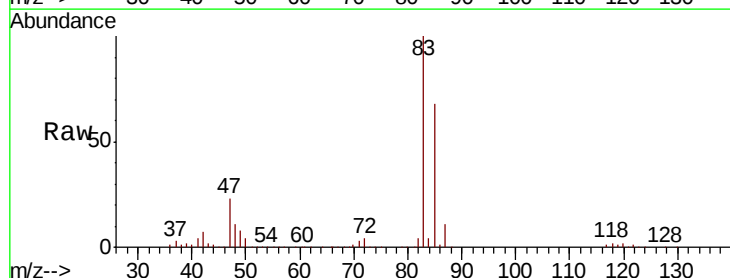
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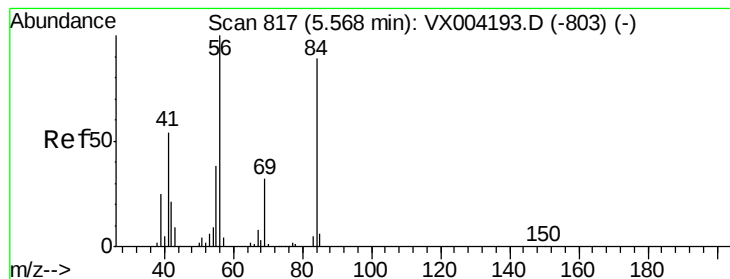
MMDadoda
8/23/2018 9:40:04 AM



#30
Chloroform
Concen: 142.83 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.2	52.6	79.0





#31

Cyclohexane

Concen: 154.79 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 901372

Ion Ratio Lower Upper

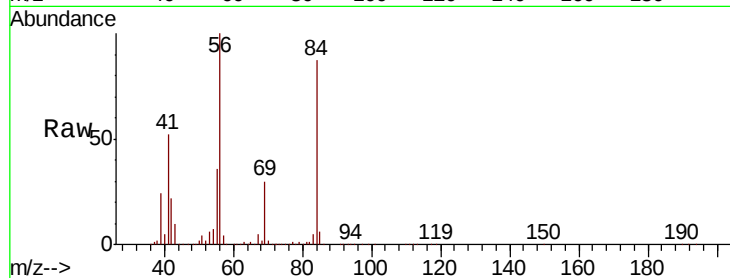
56 100

69 30.4 25.4 38.2

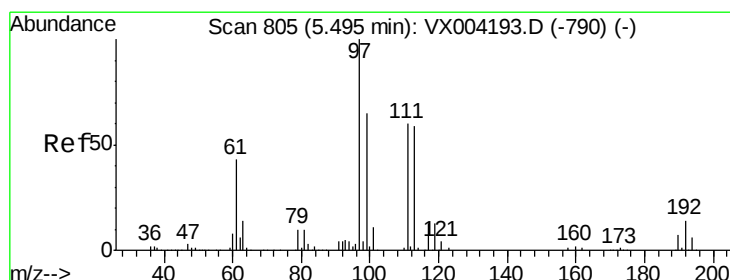
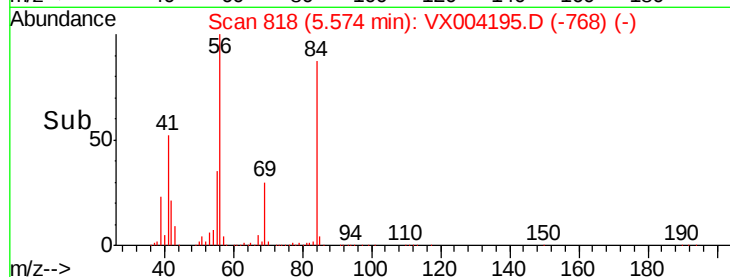
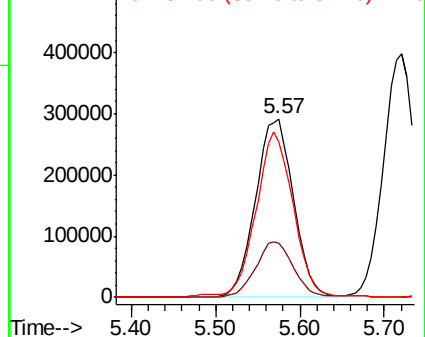
84 86.0 71.4 107.2

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 151.93 ug/l

RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

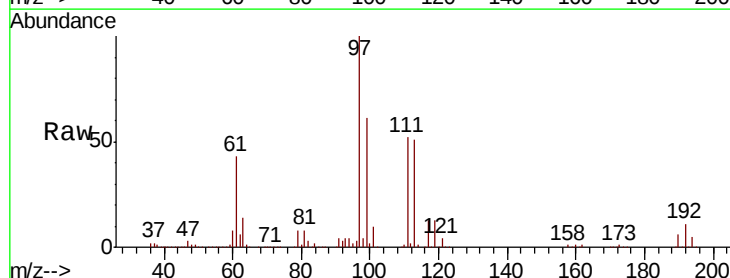
Tgt Ion: 97 Resp: 857263

Ion Ratio Lower Upper

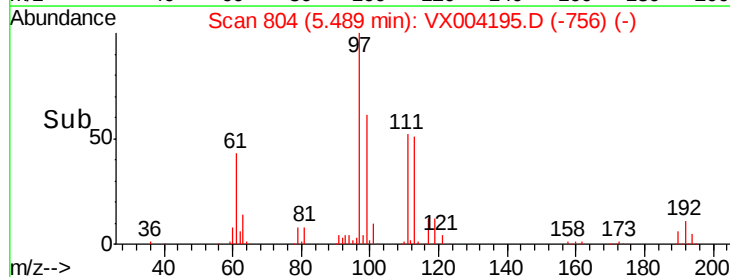
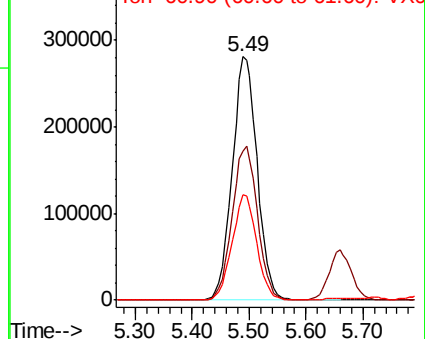
97 100

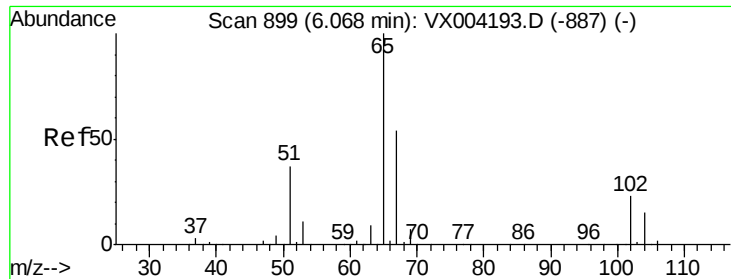
99 64.3 52.0 78.0

61 42.9 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





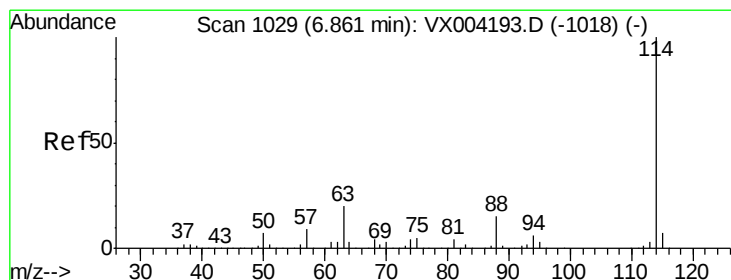
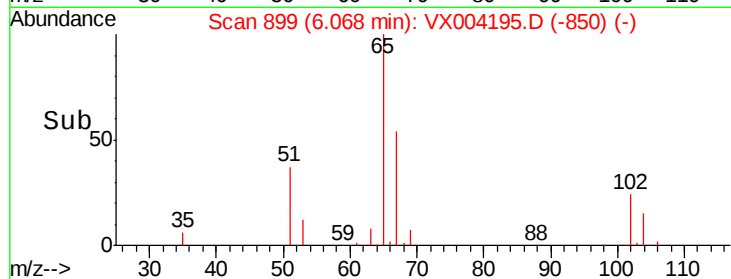
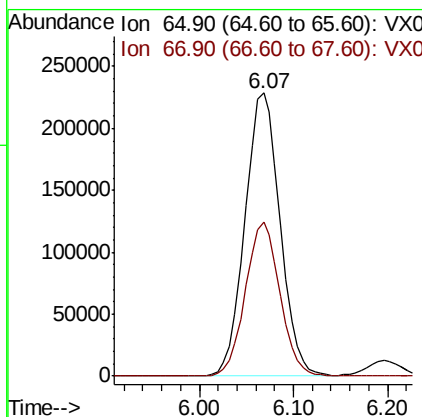
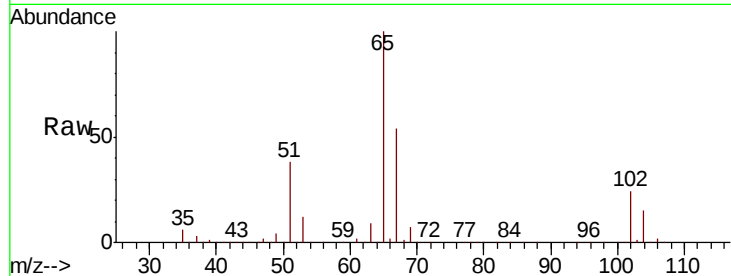
#33
 1,2-Dichloroethane-d4
 Concen: 144.31 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX004195.D
 Acq: 22 Aug 2018 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	599394		
67	53.2	0.0	106.8	

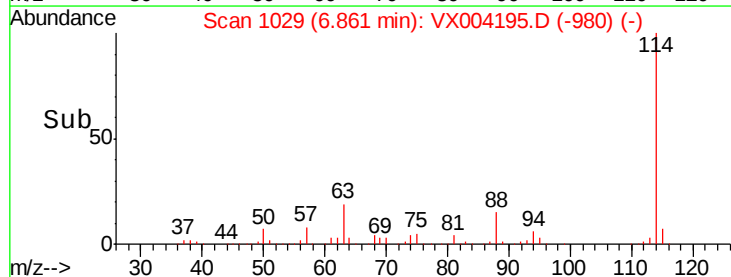
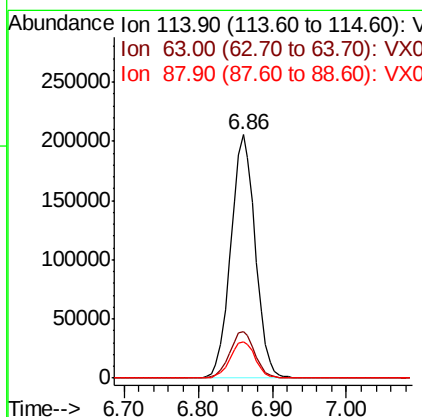
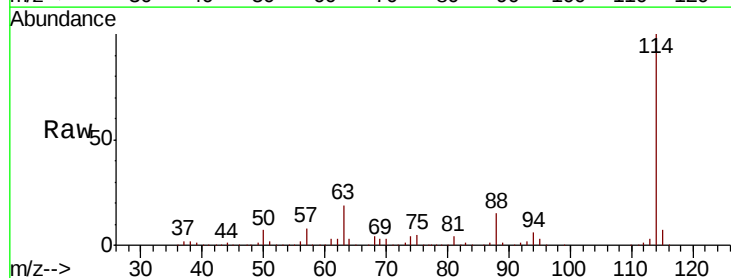
Manual Integrations
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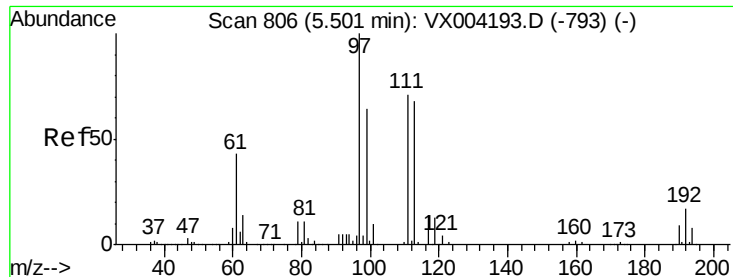
MMDadoda
 8/23/2018 9:40:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX004195.D
 Acq: 22 Aug 2018 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	472665		
63	19.3	0.0	39.0	
88	15.0	0.0	30.4	





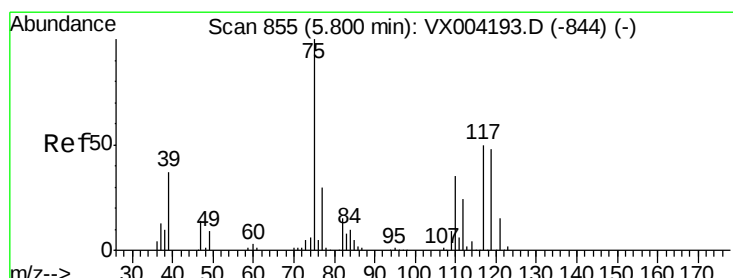
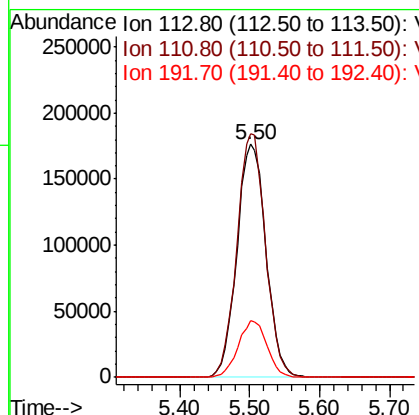
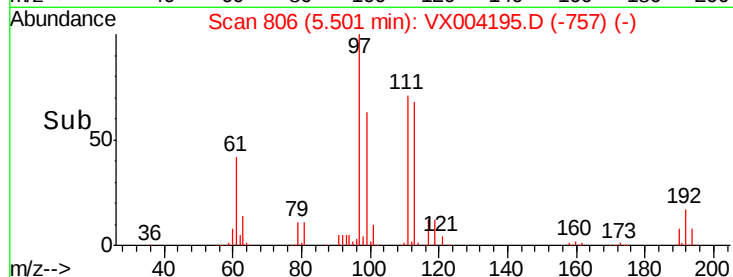
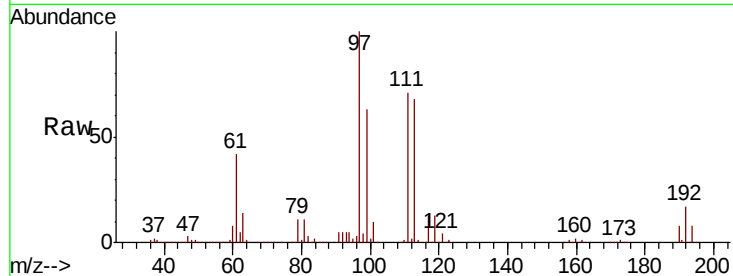
#35
Dibromofluoromethane
Concen: 144.55 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	508270		
111	102.8	82.4	123.6	
192	24.0	19.4	29.2	

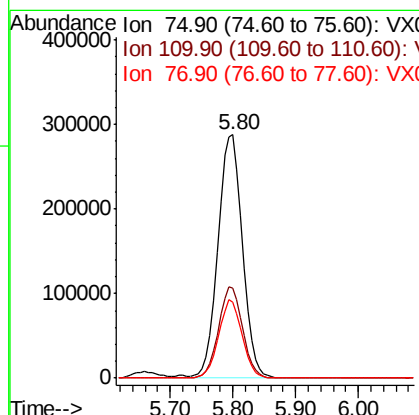
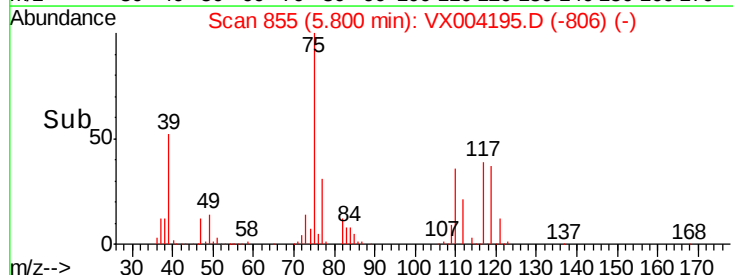
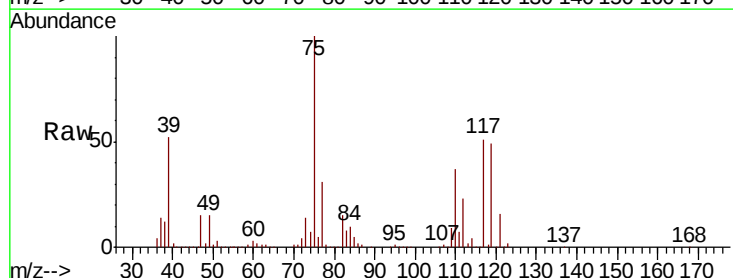
Manual Integrations
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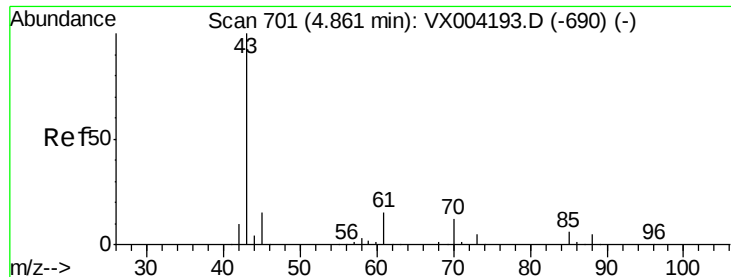
MMDadoda
8/23/2018 9:40:04 AM



#36
1,1-Dichloropropene
Concen: 145.87 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	775154		
110	36.8	18.0	54.0	
77	30.8	24.6	36.8	





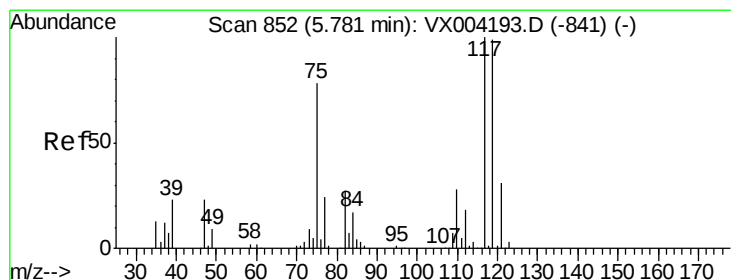
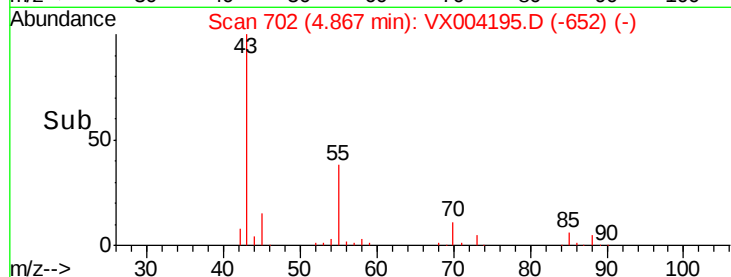
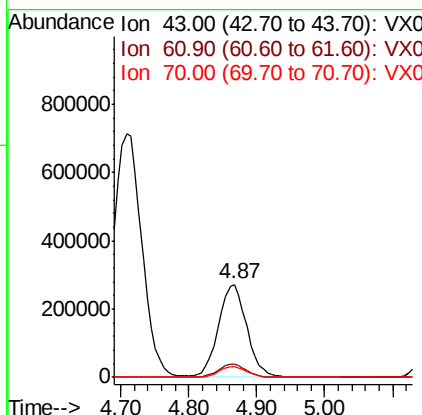
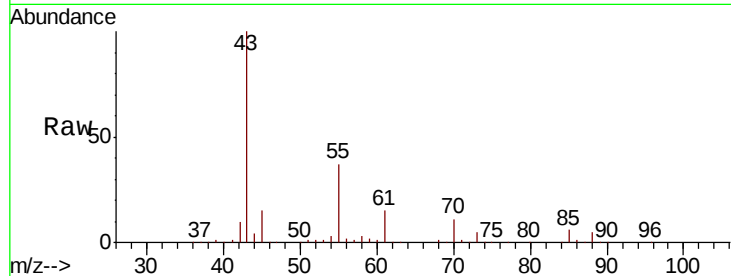
#37
Ethyl Acetate
Concen: 149.62 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.01 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	43	Resp	781901
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	11.5	9.0	13.6

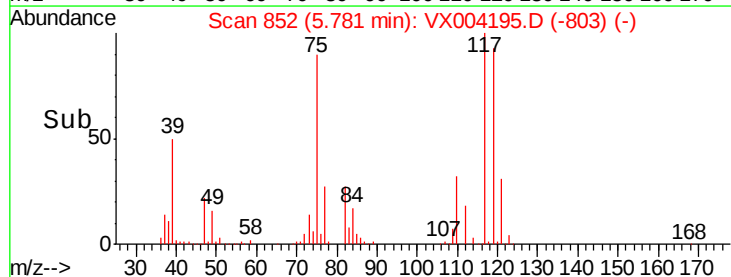
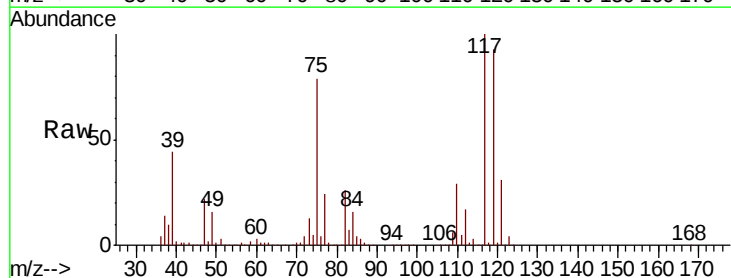
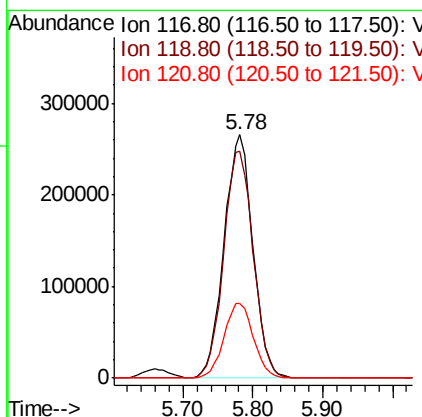
Manual Integrations
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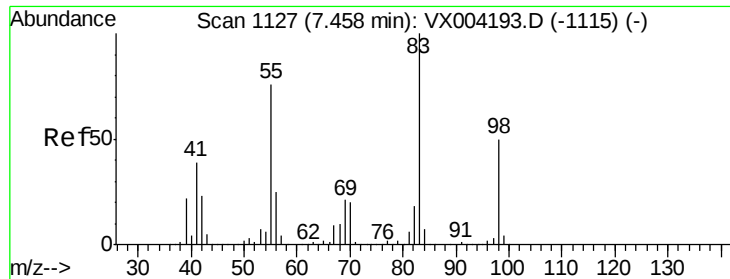
MMDadoda
8/23/2018 9:40:04 AM



#38
Carbon Tetrachloride
Concen: 151.66 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Tgt Ion	117	Resp	758112
Ion	Ratio	Lower	Upper
117	100		
119	93.5	78.8	118.2
121	30.8	24.9	37.3





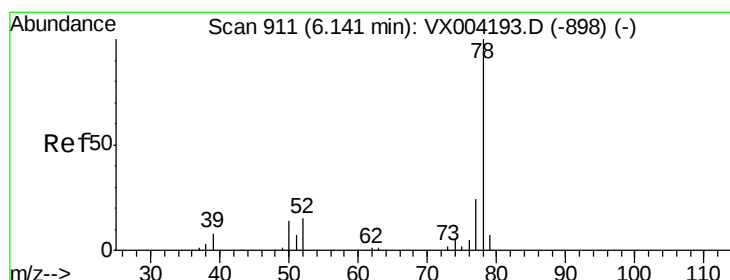
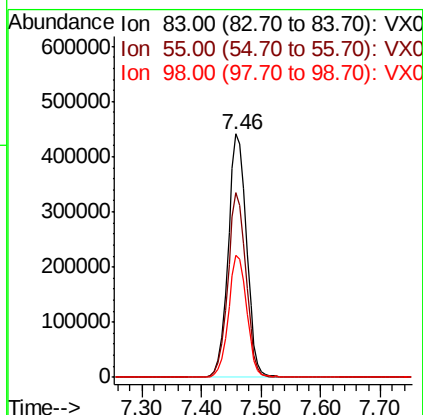
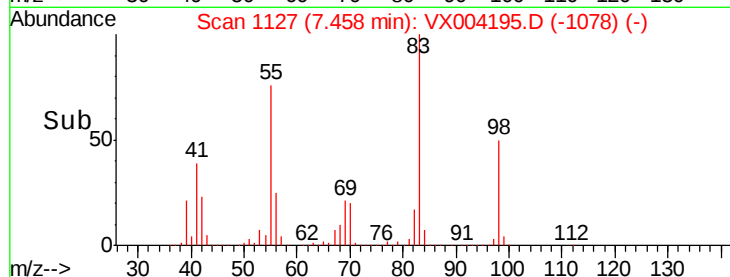
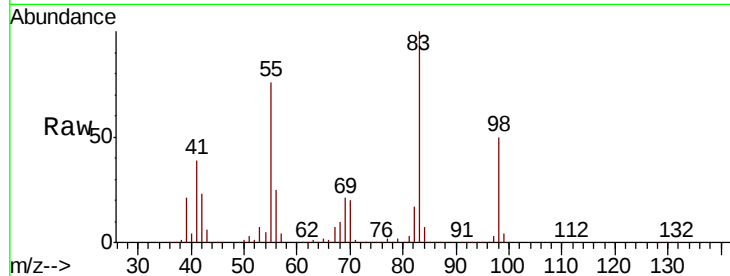
#39
Methvlcvclohexane
Concen: 155.59 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	943944		
55	75.8		61.0	91.4
98	50.1		39.6	59.4

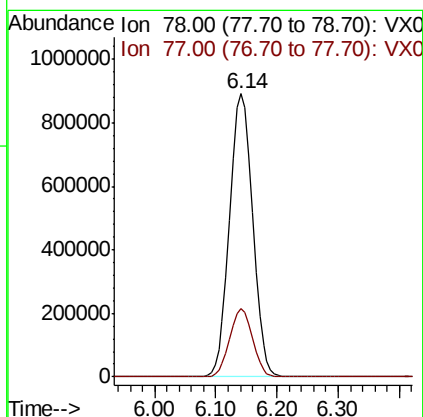
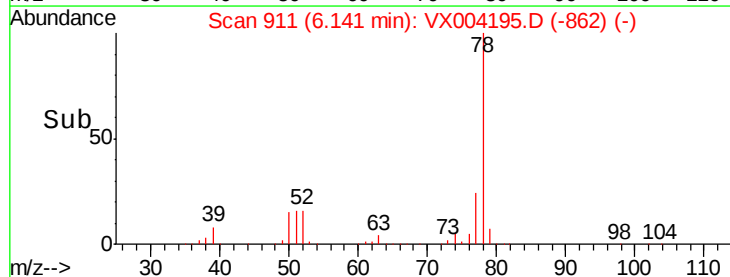
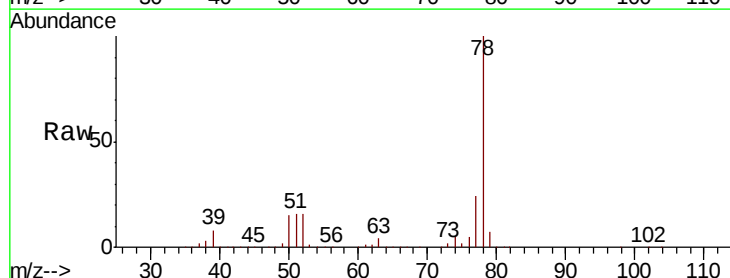
Manual Integrations
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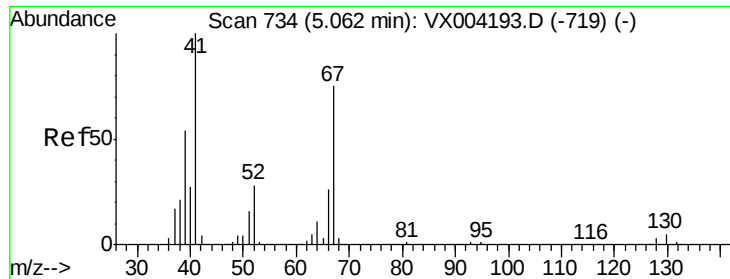
MMDadoda
8/23/2018 9:40:04 AM



#40
Benzene
Concen: 146.32 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	2323284		
77	24.1		19.0	28.4





#41

Methacrylonitrile

Concen: 150.06 ug/l

RT: 5.06 min Scan# 734

Delta R.T. 0.00 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_X

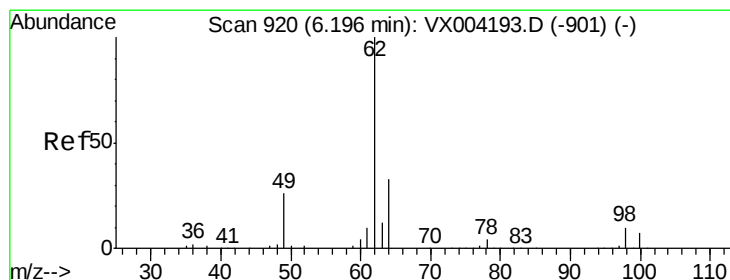
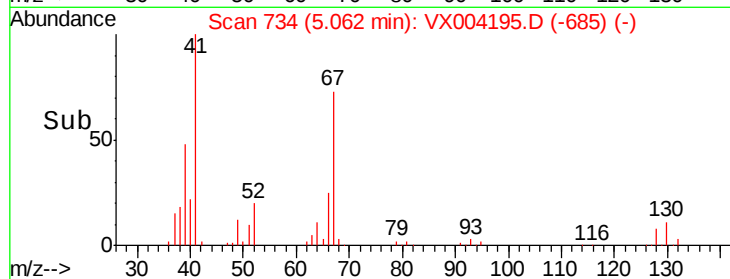
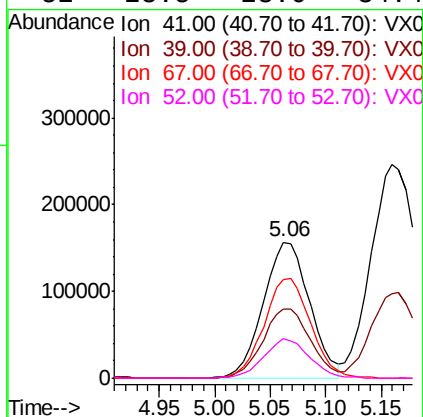
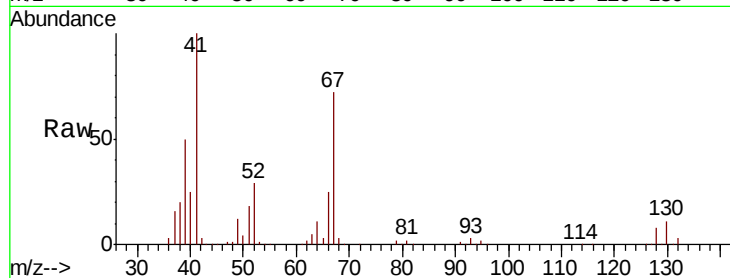
ClientSampleId :

VSTDICC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	42.4	63.6	
67	74.5	59.2	88.8	
52	28.5	23.0	34.4	

Manual Integrations
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8/23/2018 9:40:04 AM



#42

1,2-Dichloroethane

Concen: 143.11 ug/l

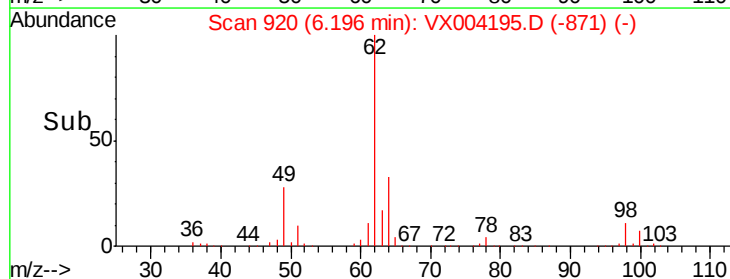
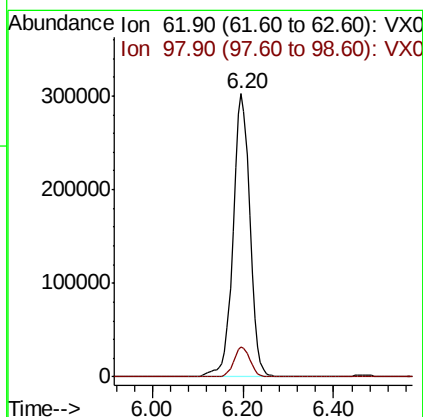
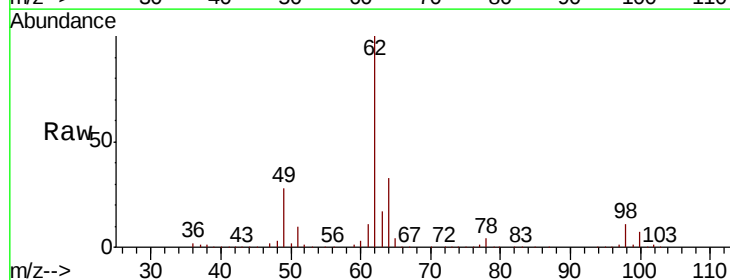
RT: 6.20 min Scan# 920

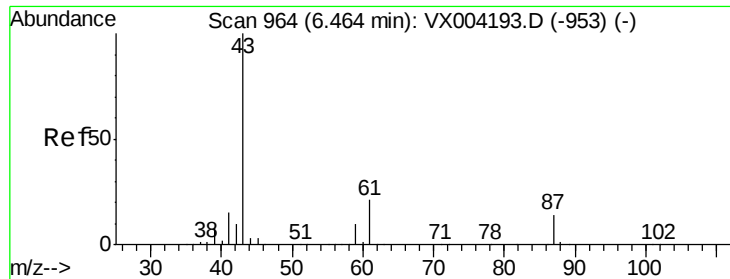
Delta R.T. 0.00 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	20.6	





#43

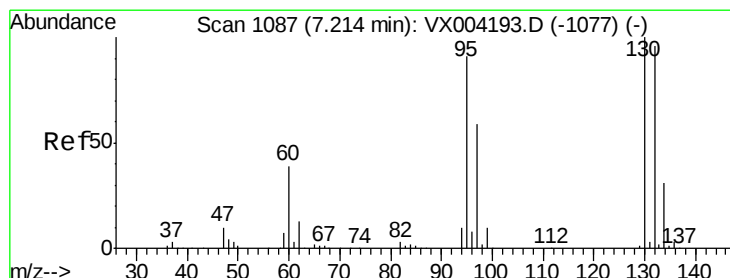
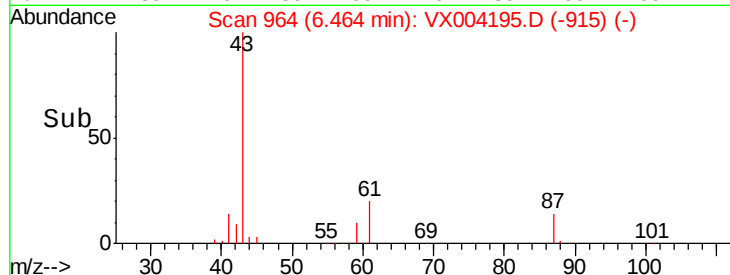
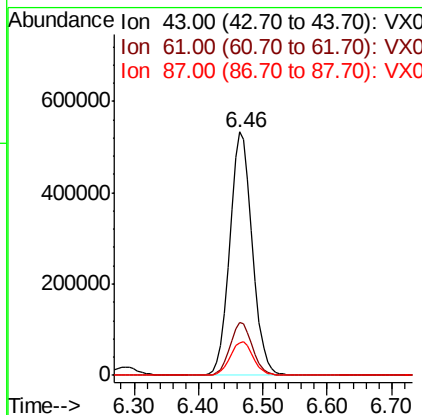
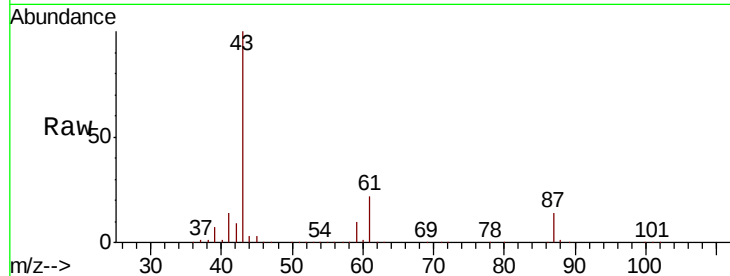
Isopropyl Acetate
 Concen: 162.68 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VX004195.D
 Acq: 22 Aug 2018 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.0	25.4
87	14.1	11.4	17.2

Manual Integrations
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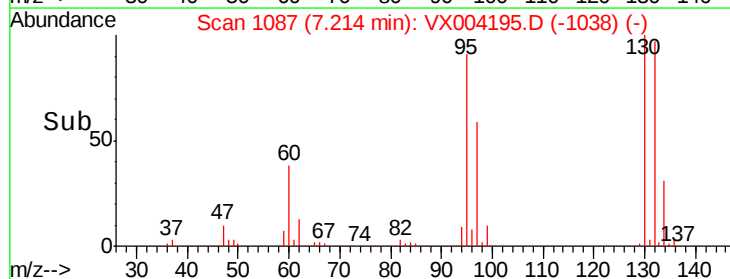
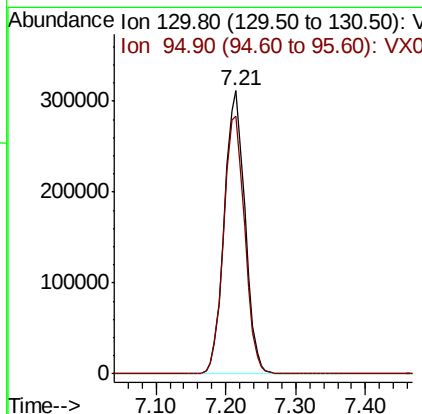
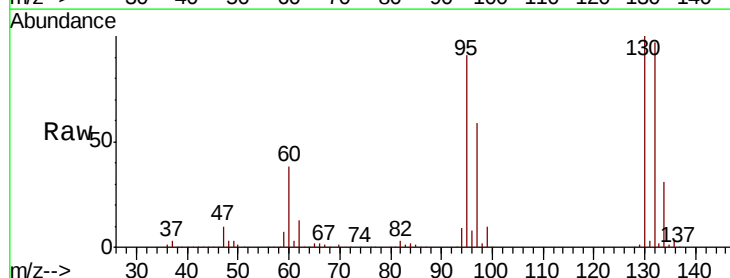
MMDadoda
 8/23/2018 9:40:04 AM

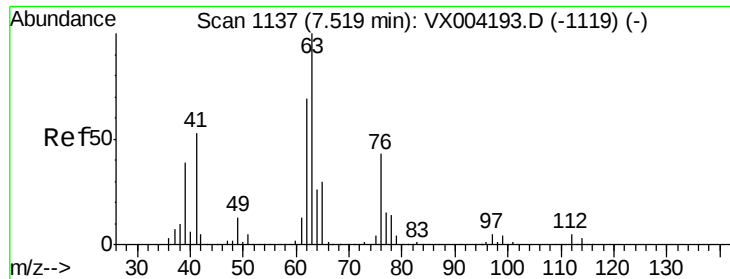


#44

Trichloroethene
 Concen: 145.80 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX004195.D
 Acq: 22 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	181.6





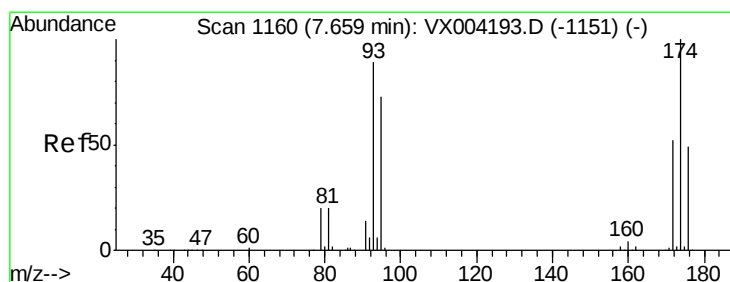
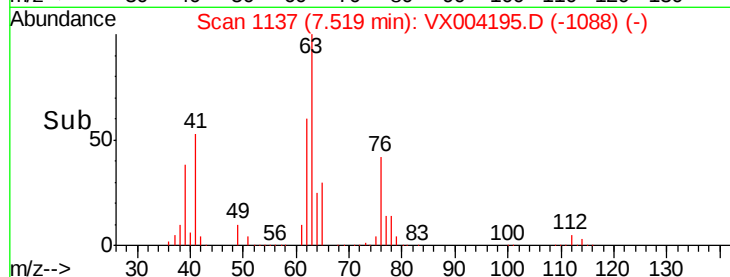
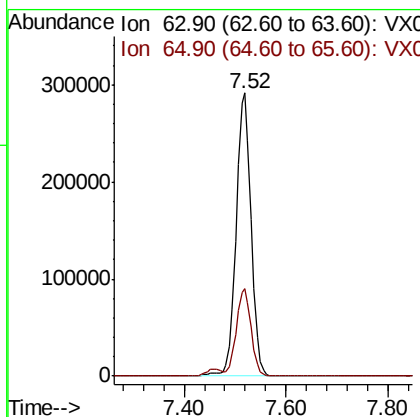
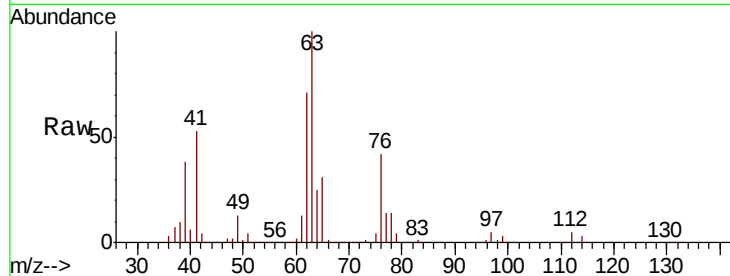
#45
 1,2-Dichloropropane
 Concen: 149.61 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX004195.D
 Acq: 22 Aug 2018 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.3	36.5

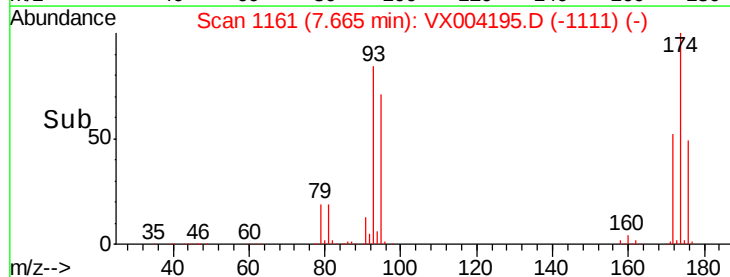
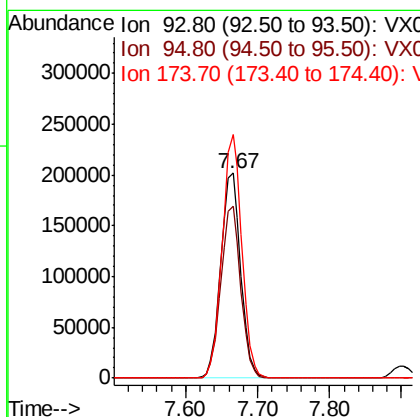
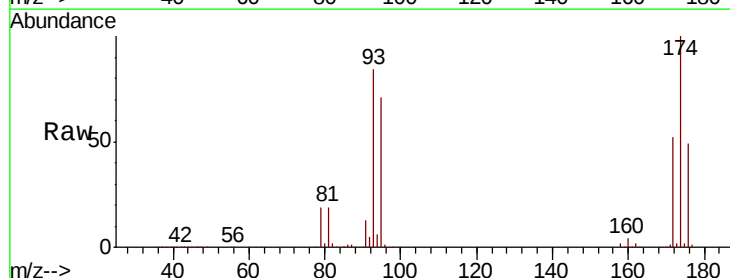
Manual Integrations
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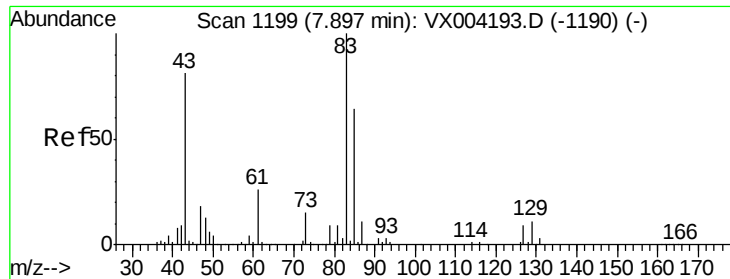
MMDadoda
 8/23/2018 9:40:04 AM



#46
 Dibromomethane
 Concen: 146.80 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VX004195.D
 Acq: 22 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	65.5	98.3
174	117.5	94.2	141.4





#47

Bromodichloromethane

Concen: 156.85 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_X

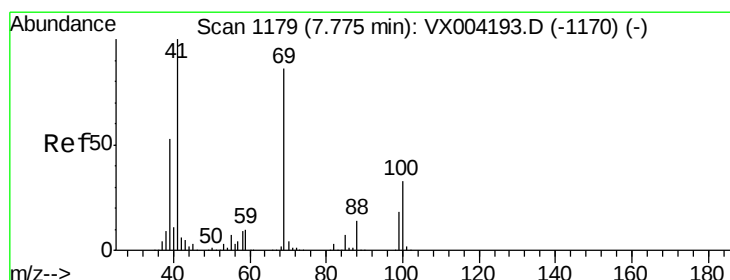
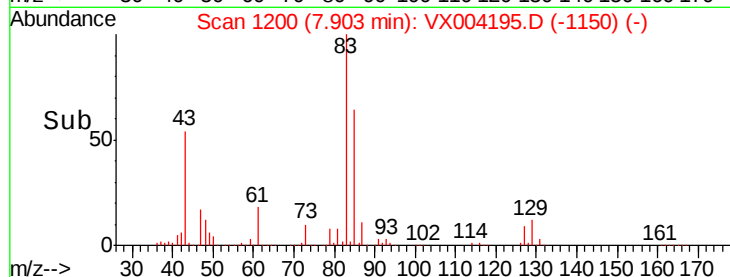
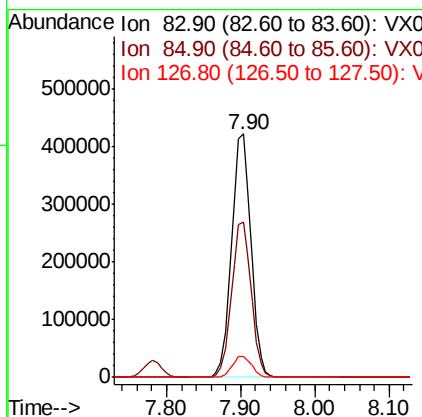
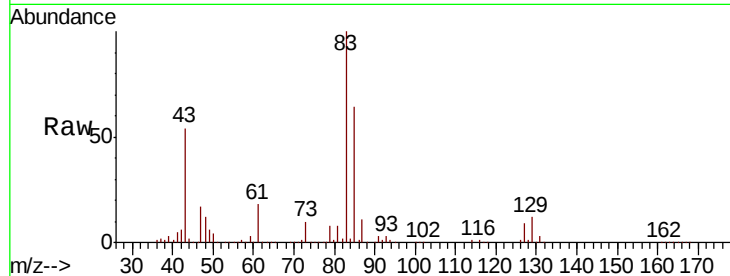
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	772278
Ion Ratio	Lower	Upper	
83	100		
85	63.8	50.9	76.3
127	8.8	7.3	10.9

Manual Integrations
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MMDadoda
8/23/2018 9:40:04 AM



#48

Methyl methacrylate

Concen: 162.95 ug/l

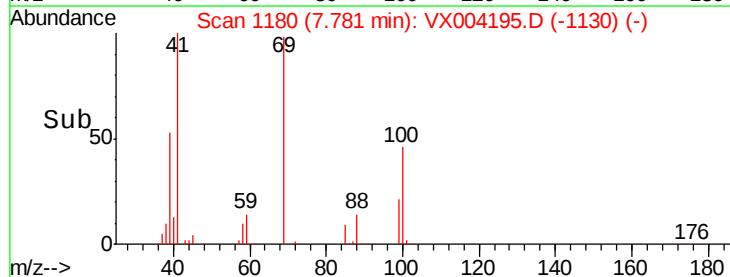
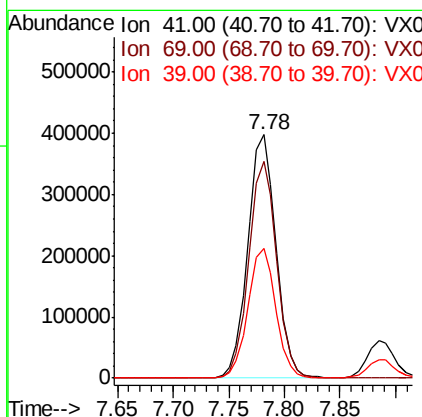
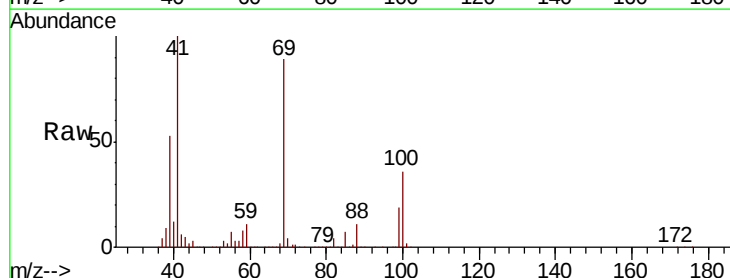
RT: 7.78 min Scan# 1180

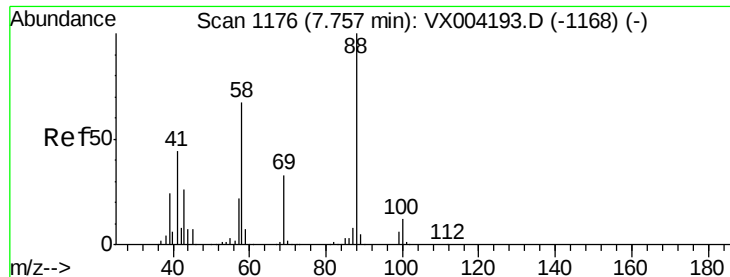
Delta R.T. 0.01 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Tgt Ion:	41	Resp:	700194
Ion Ratio	Lower	Upper	
41	100		
69	88.5	70.2	105.4
39	52.9	42.7	64.1





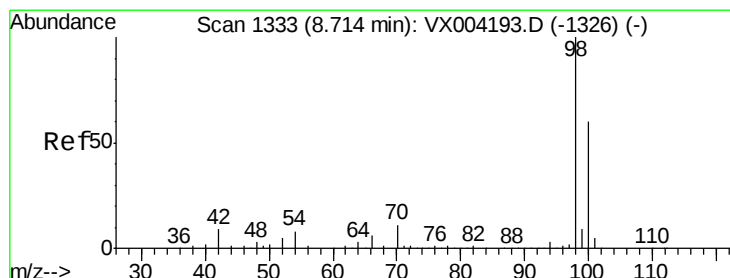
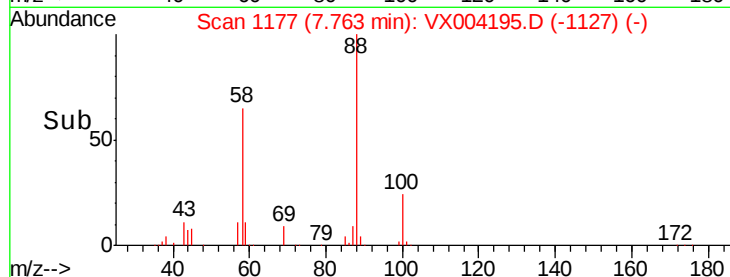
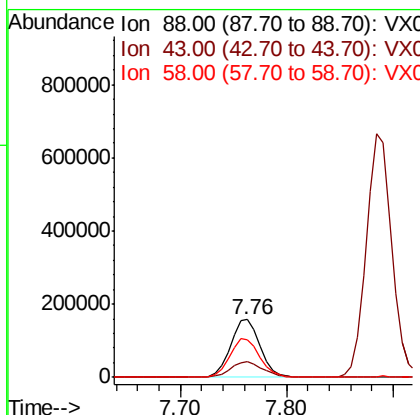
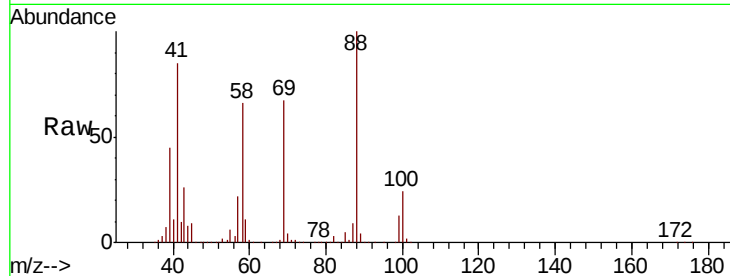
#49
1,4-Dioxane
Concen: 3139.18 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.5	24.7	37.1
58	68.5	55.3	82.9

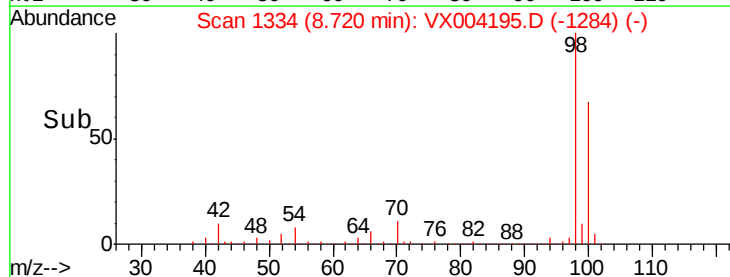
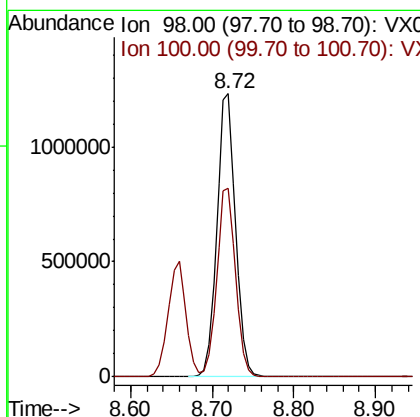
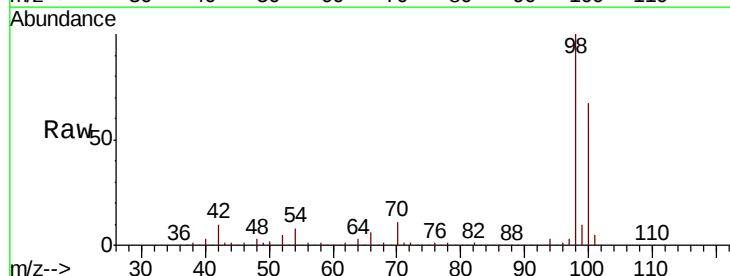
Manual Integrations
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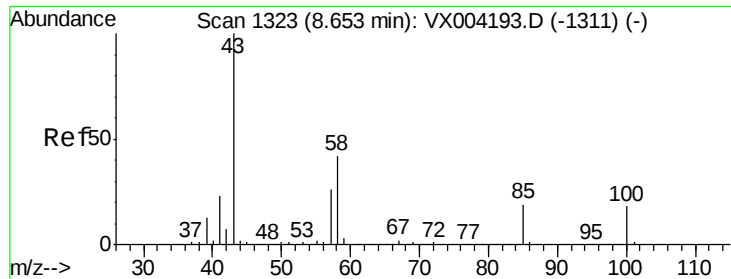
MMDadoda
8/23/2018 9:40:04 AM



#50
Toluene-d8
Concen: 148.50 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.01 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.3	52.9	79.3





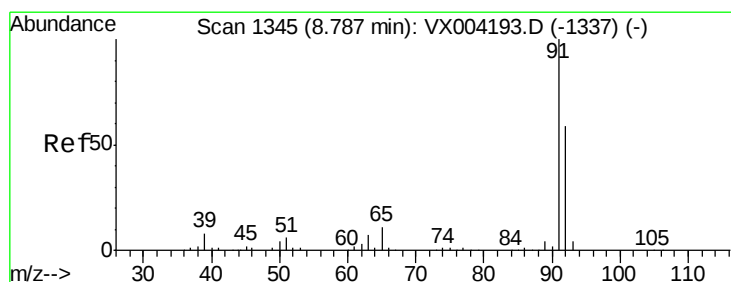
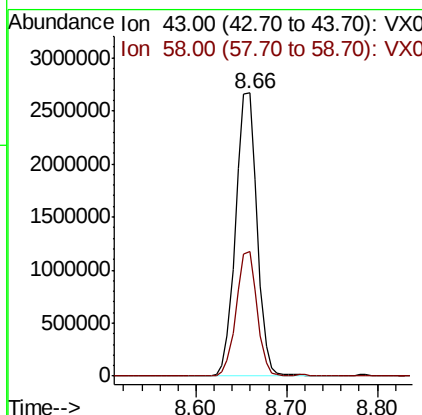
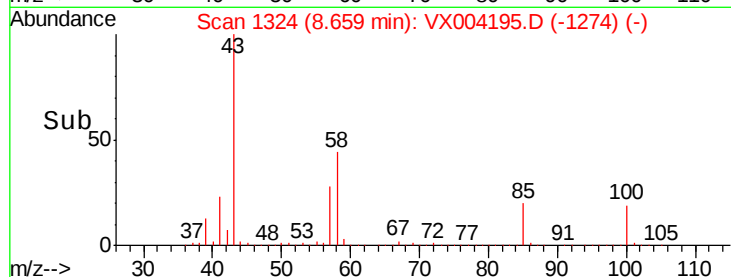
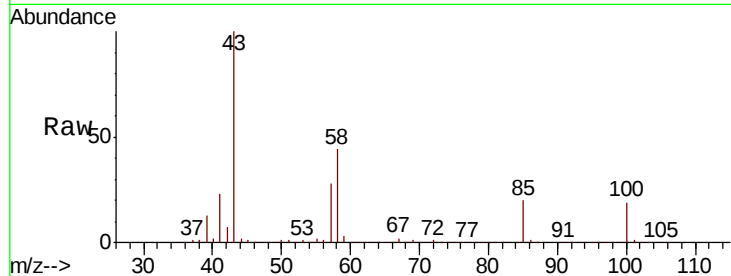
#51
4-Methyl-2-Pentanone
Concen: 749.82 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.01 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 4374945
Ion Ratio Lower Upper
43 100
58 42.8 33.1 49.7

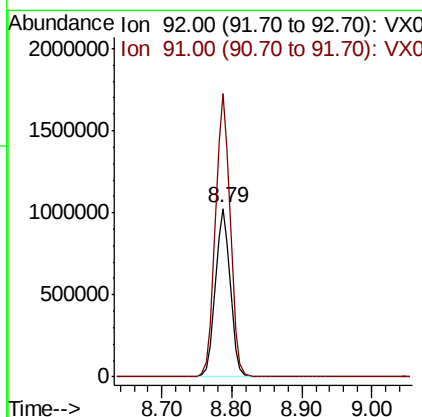
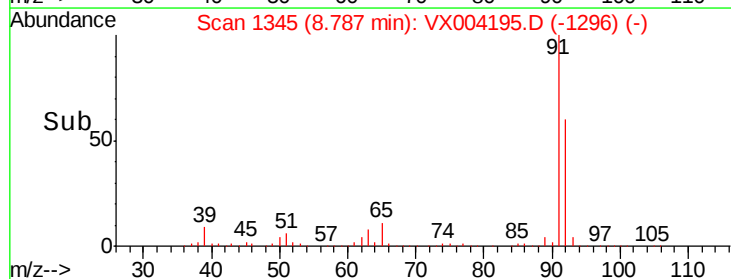
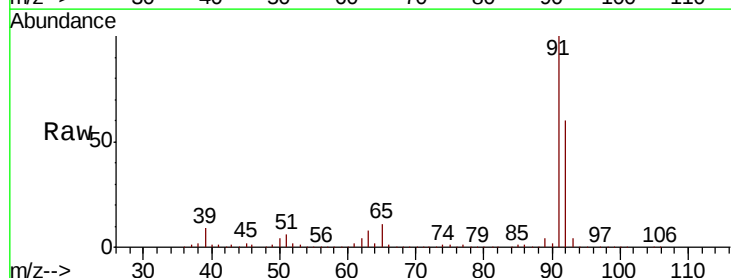
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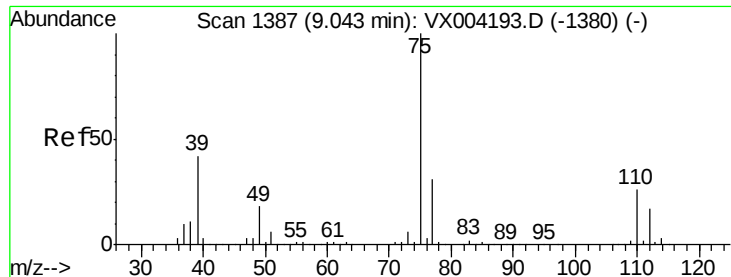
MMDadoda
8/23/2018 9:40:04 AM



#52
Toluene
Concen: 151.68 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Tgt Ion: 92 Resp: 1507589
Ion Ratio Lower Upper
92 100
91 168.6 136.4 204.6





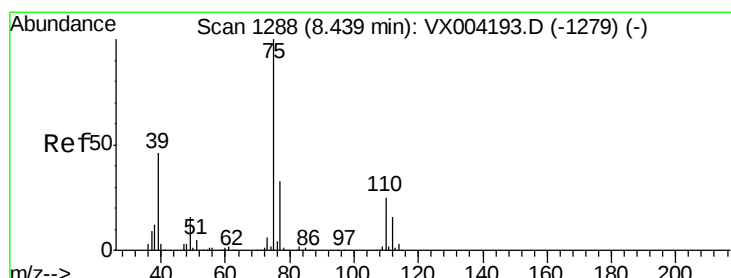
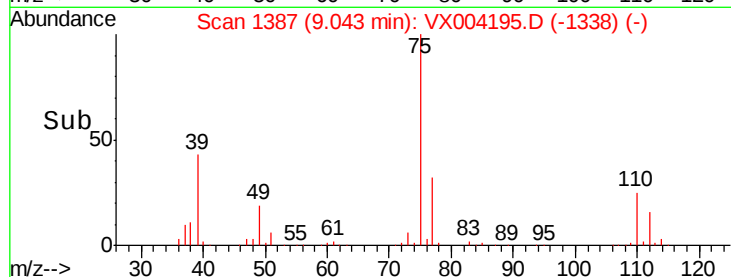
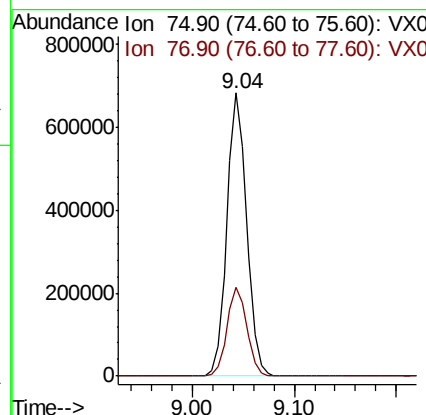
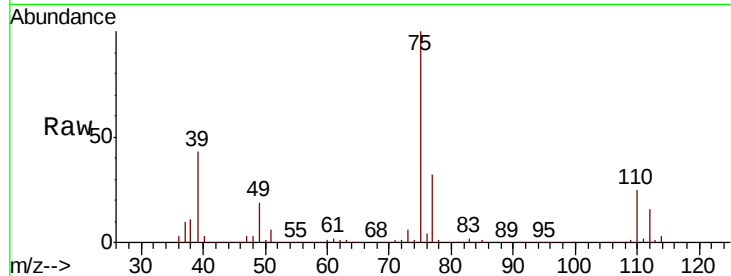
#53
 t-1,3-Dichloropropene
 Concen: 169.34 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX004195.D
 Acq: 22 Aug 2018 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	37.0

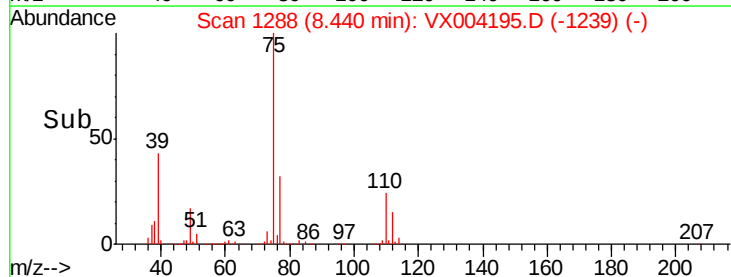
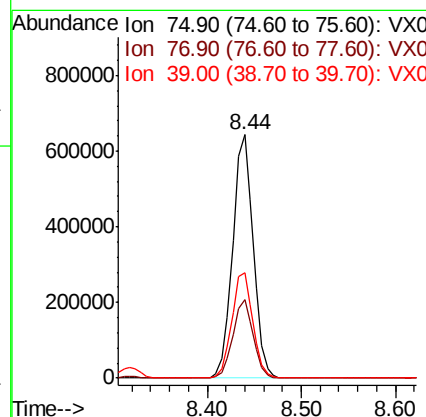
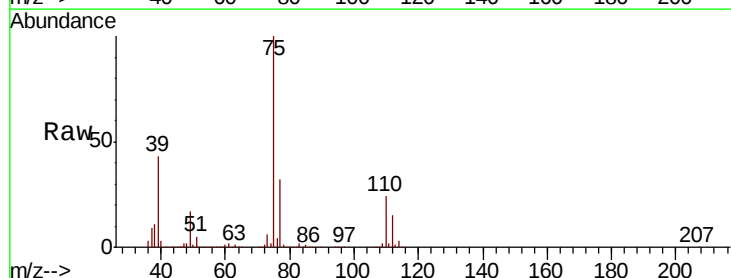
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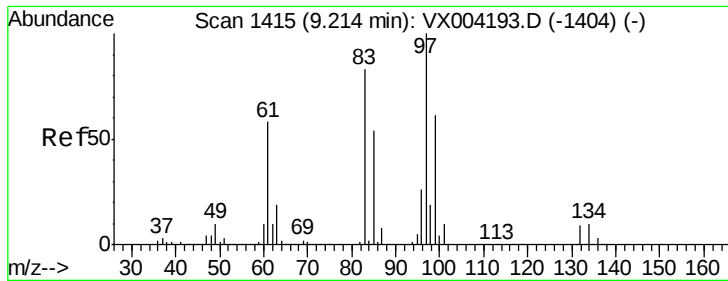
MMDadoda
 8/23/2018 9:40:04 AM



#54
 cis-1,3-Dichloropropene
 Concen: 163.99 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX004195.D
 Acq: 22 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.2	39.2
39	43.4	36.4	54.6





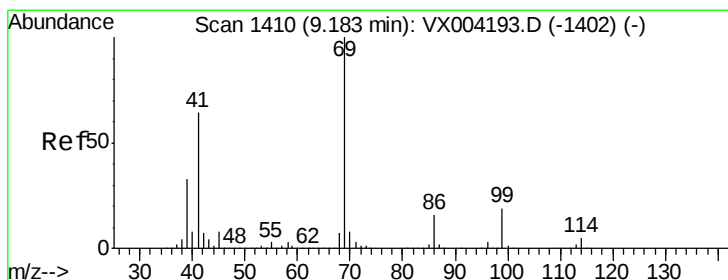
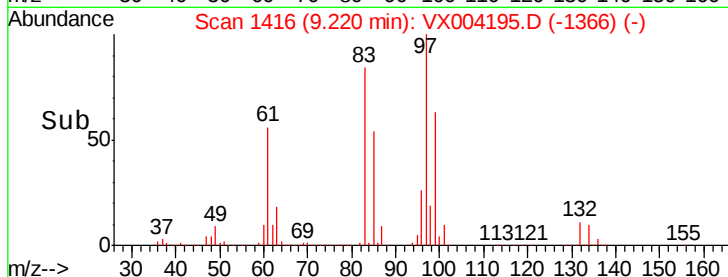
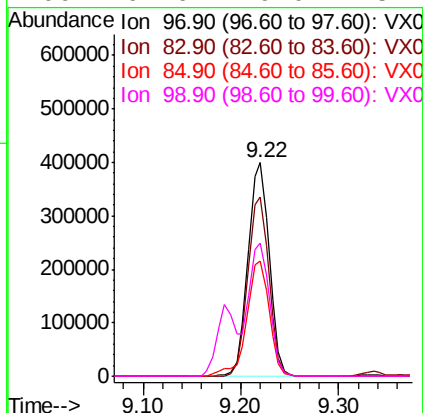
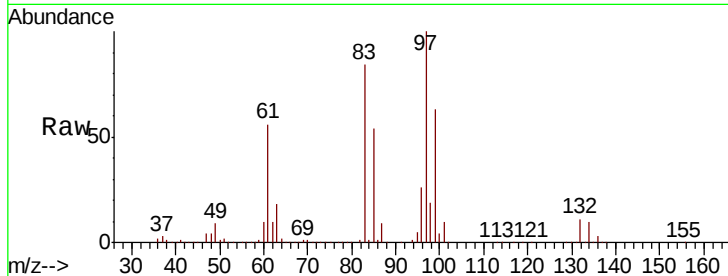
#55
 1,1,2-Trichloroethane
 Concen: 150.21 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004195.D
 Acq: 22 Aug 2018 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		602673		
83	83.7	66.4	99.6		
85	54.0	43.3	64.9		
99	62.6	49.0	73.4		

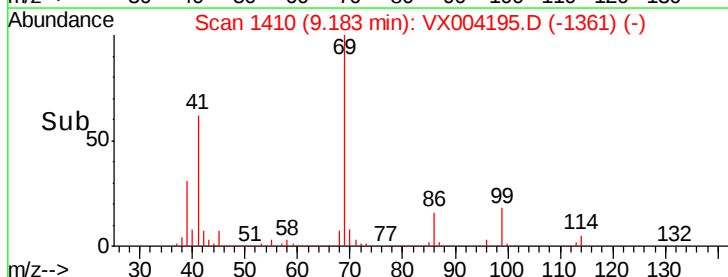
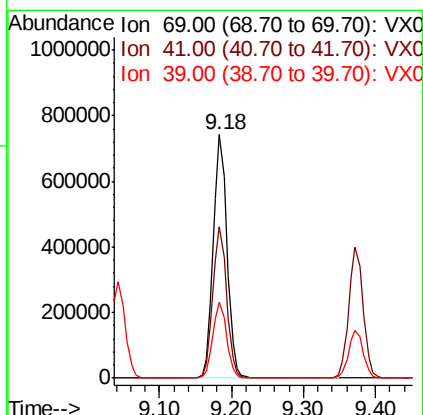
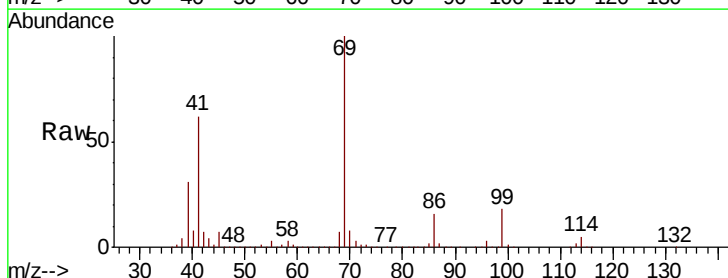
Manual Integrations
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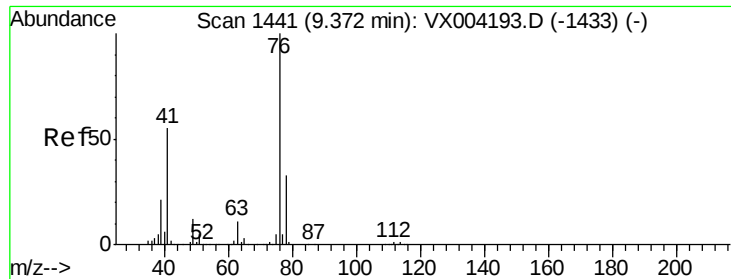
MMDadoda
 8/23/2018 9:40:04 AM



#56
 Ethyl methacrylate
 Concen: 178.89 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX004195.D
 Acq: 22 Aug 2018 12:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		977055		
41	62.5	51.0	76.4		
39	31.3	26.1	39.1		





#57

1,3-Dichloropropane

Concen: 150.43 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1017343

Ion Ratio Lower Upper

76 100

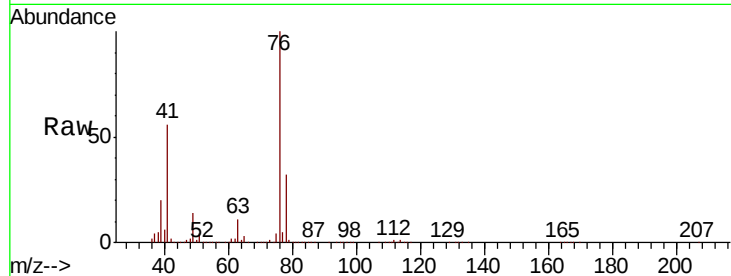
78 32.1 25.5 38.3

Manual Integrations

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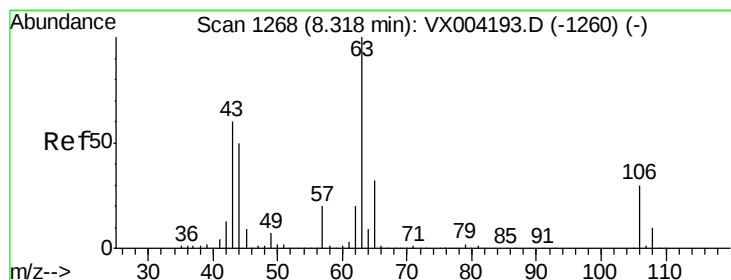
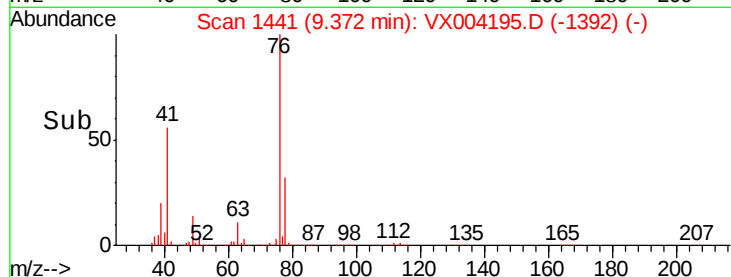
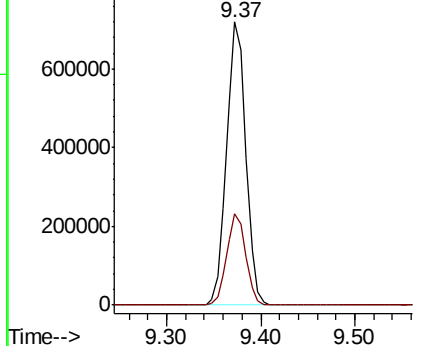
MMDadoda

8/23/2018 9:40:04 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 848.50 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX004195.D

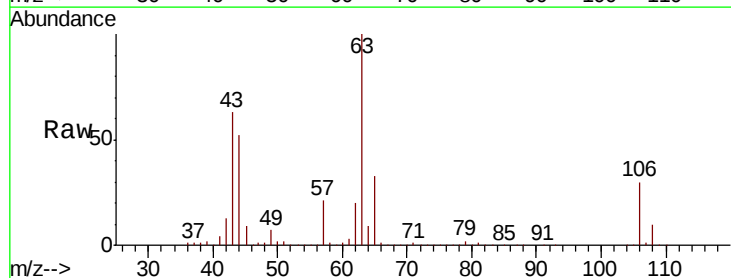
Acq: 22 Aug 2018 12:34

Tgt Ion: 63 Resp: 2374591

Ion Ratio Lower Upper

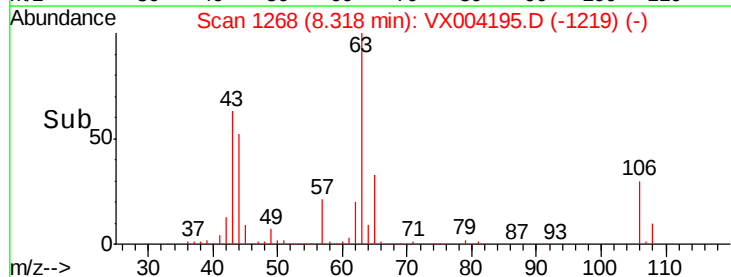
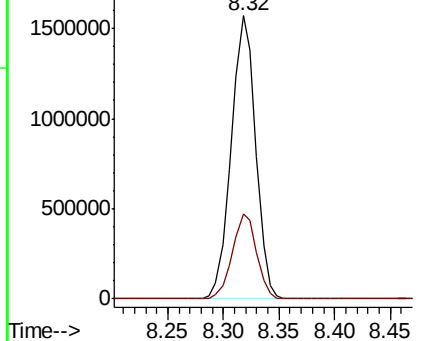
63 100

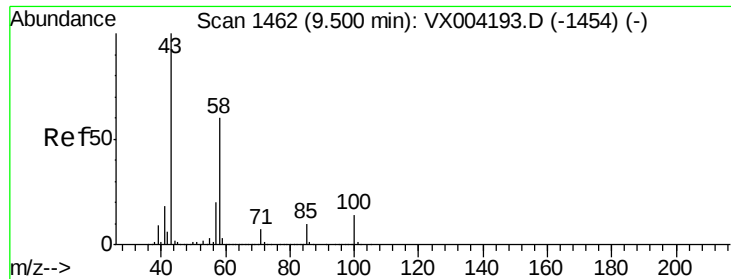
106 29.9 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





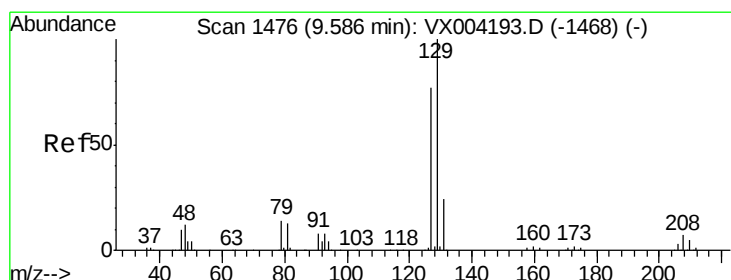
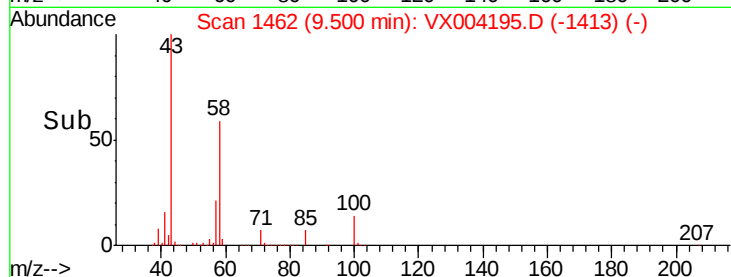
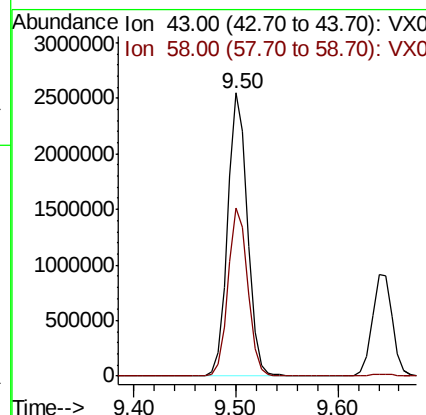
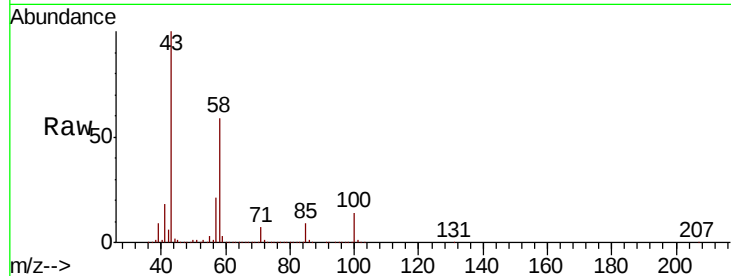
#59
2-Hexanone
Concen: 767.74 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3417464
Ion Ratio Lower Upper
43 100
58 59.3 29.0 87.0

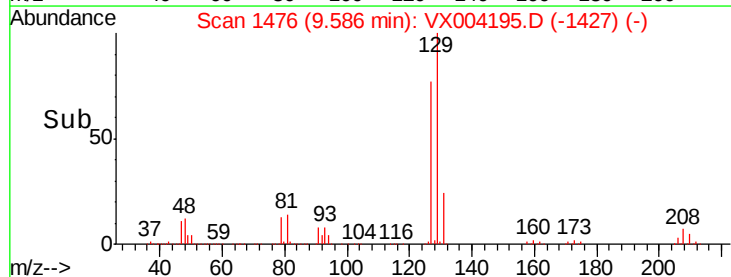
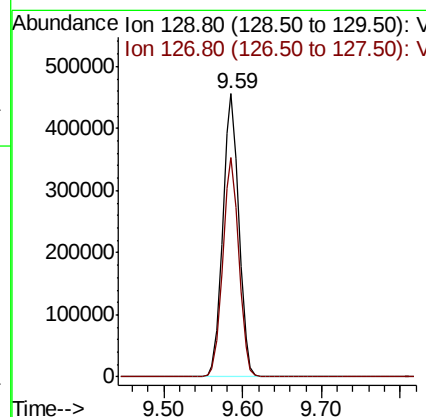
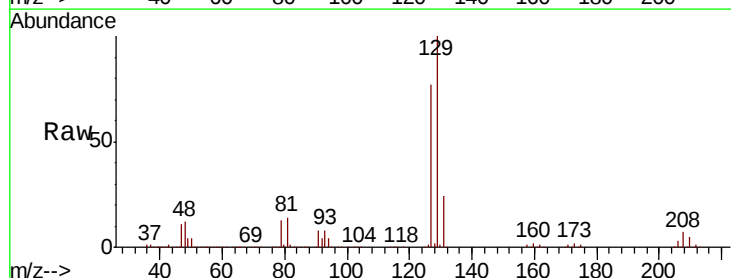
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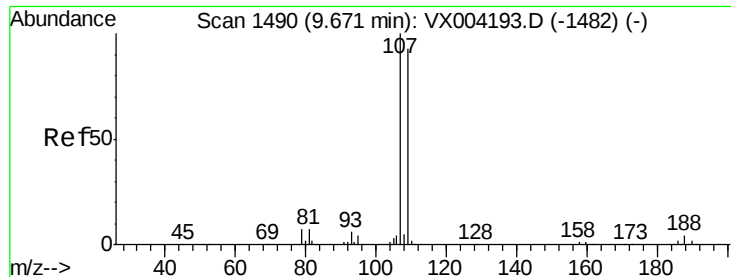
MMDadoda
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#60
Dibromochloromethane
Concen: 165.80 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Tgt Ion: 129 Resp: 648116
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 153.92 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.01 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 639106

Ion Ratio Lower Upper

107 100

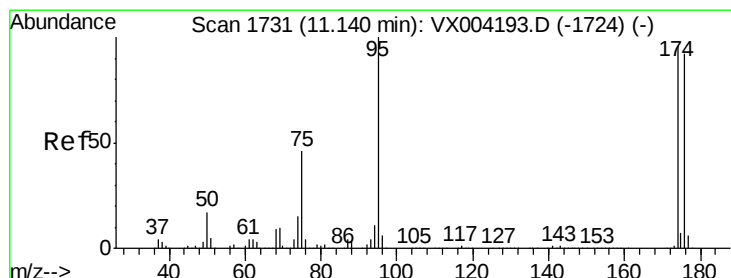
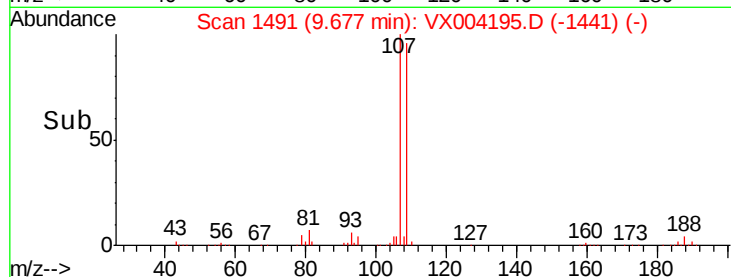
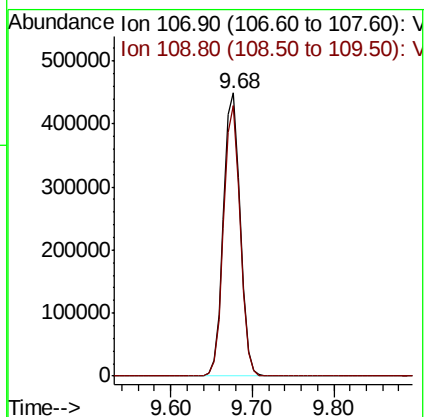
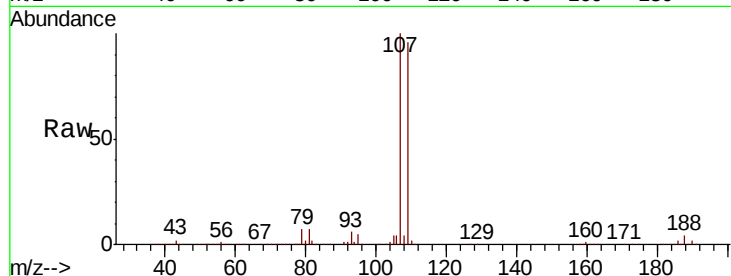
109 94.7 76.0 114.0

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#62

4-Bromofluorobenzene

Concen: 161.89 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

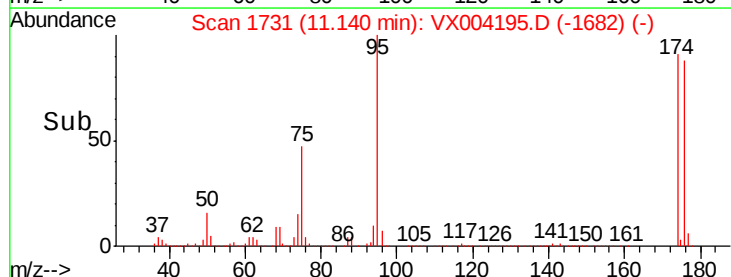
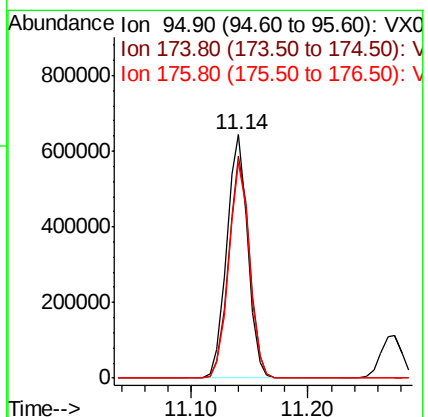
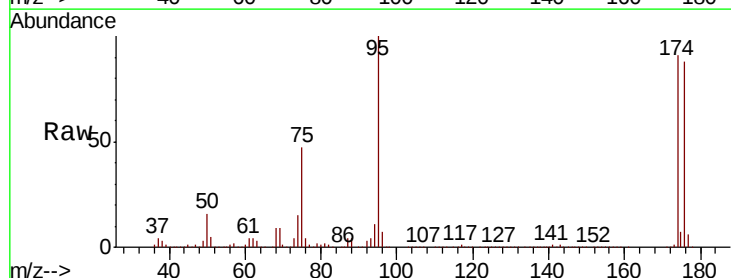
Tgt Ion: 95 Resp: 801735

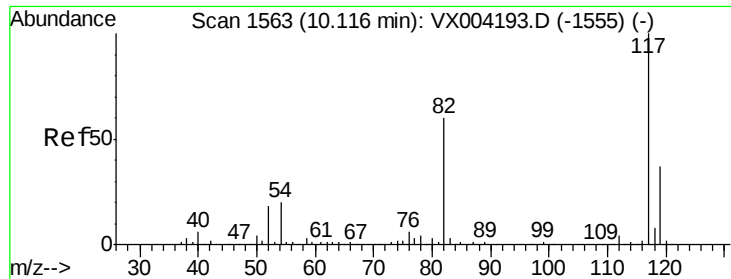
Ion Ratio Lower Upper

95 100

174 91.0 0.0 185.2

176 88.0 0.0 178.6





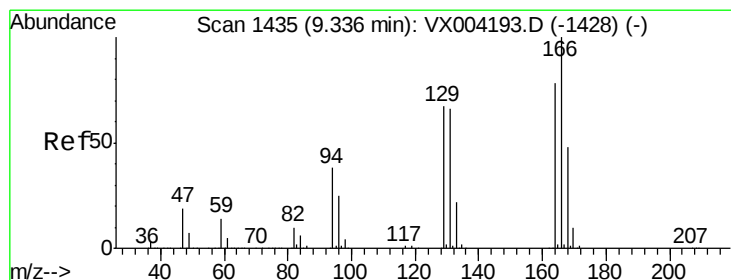
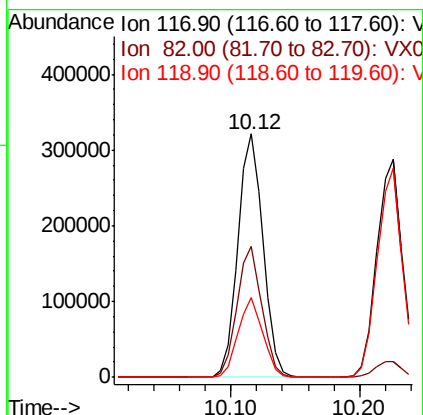
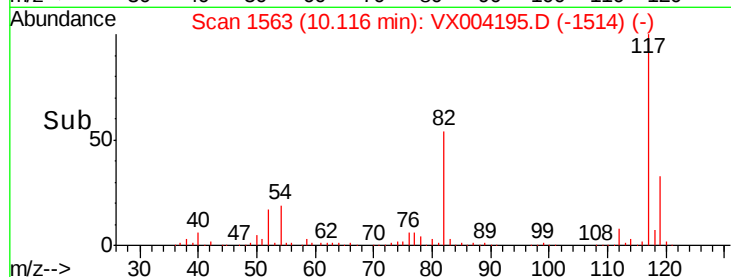
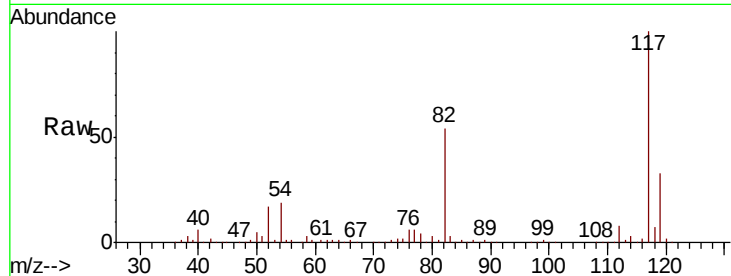
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	47.8	71.6
119	32.8	29.3	43.9

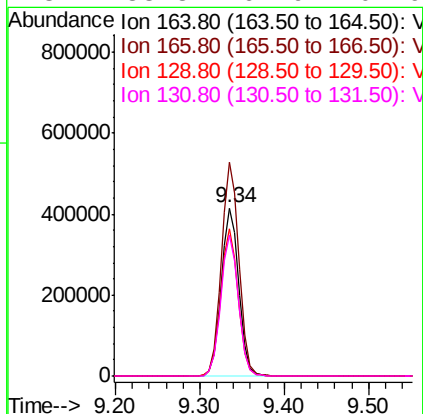
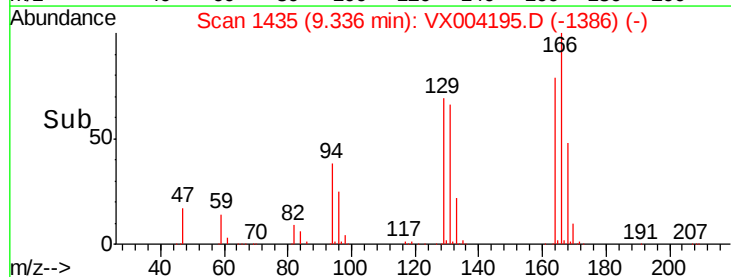
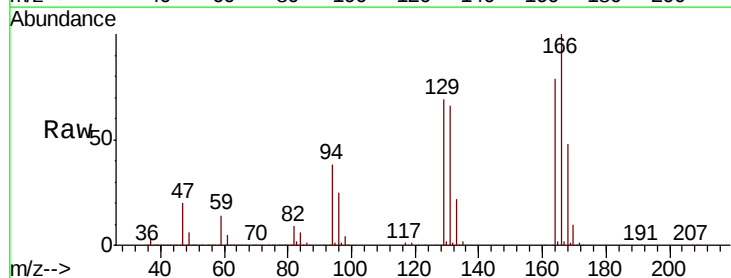
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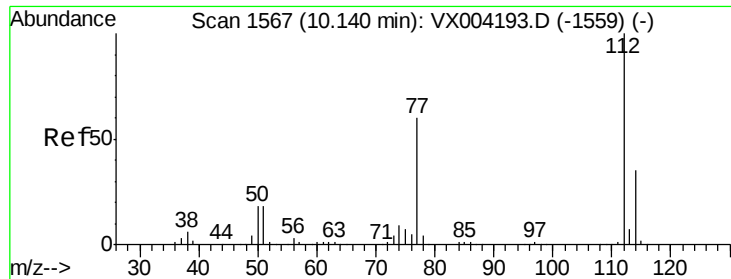
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#64
Tetrachloroethene
Concen: 139.30 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	102.8	154.2
129	87.7	69.4	104.0
131	83.8	67.9	101.9





#65

Chlorobenzene

Concen: 143.41 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:112 Resp: 1562164

Ion Ratio Lower Upper

112 100

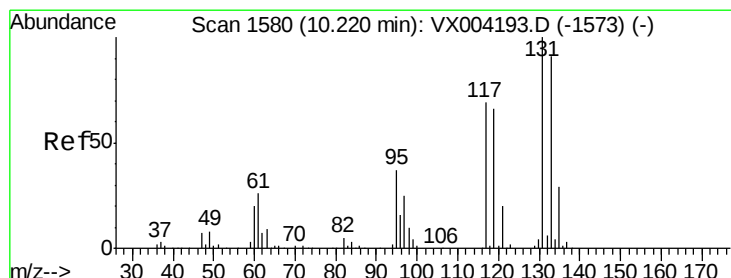
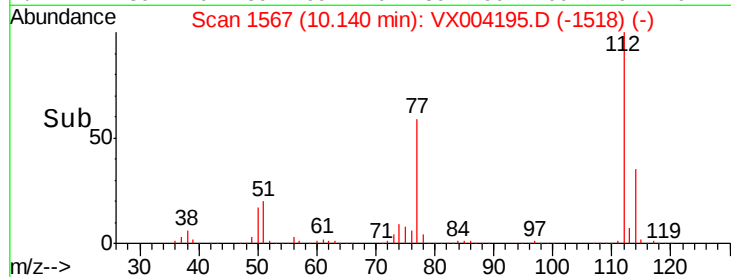
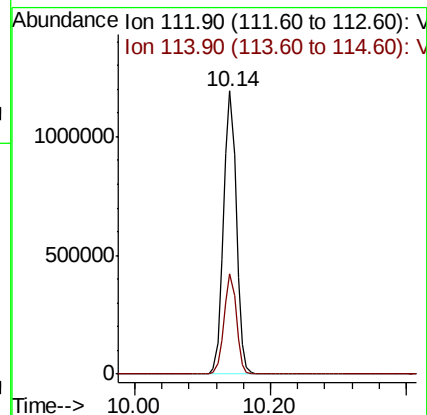
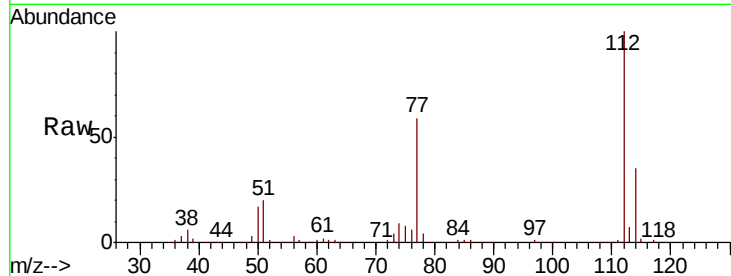
114 35.4 27.8 41.8

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#66

1,1,1,2-Tetrachloroethane

Concen: 156.37 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

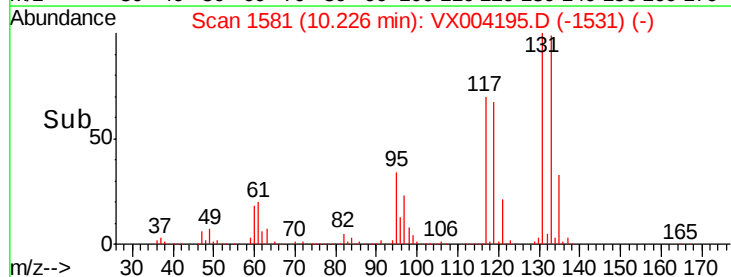
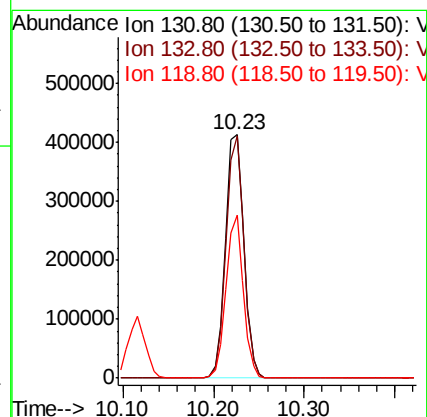
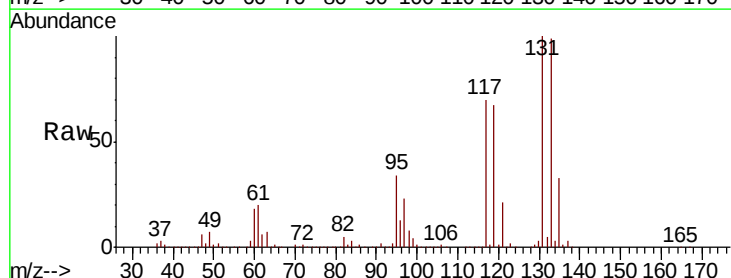
Tgt Ion:131 Resp: 587475

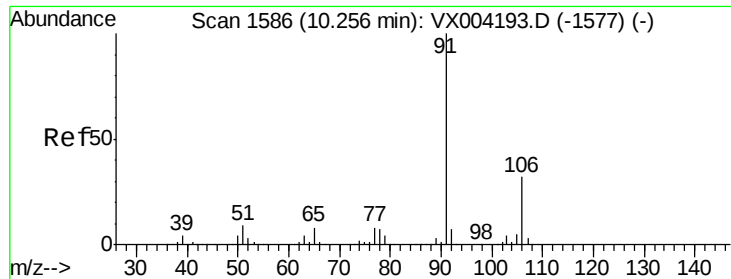
Ion Ratio Lower Upper

131 100

133 95.5 48.1 144.4

119 62.6 32.9 98.6





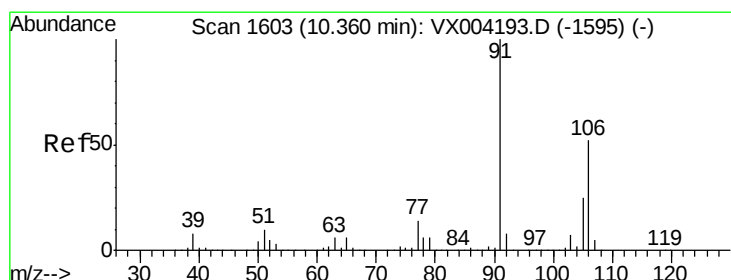
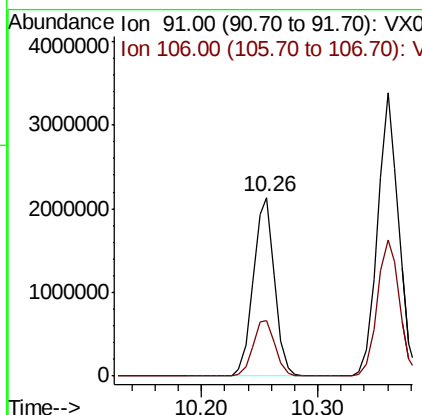
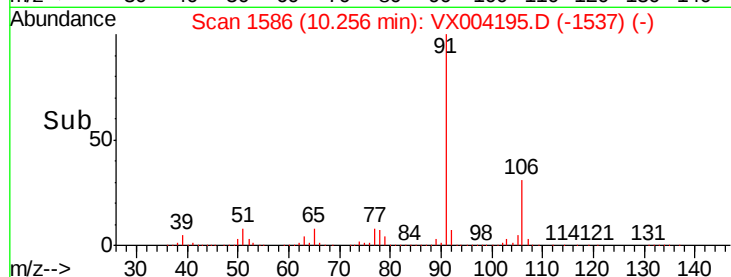
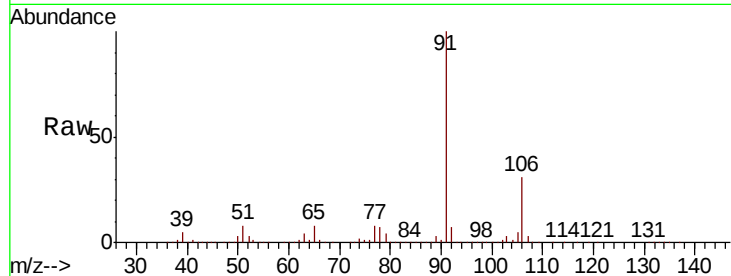
#67
Ethyl Benzene
Concen: 152.72 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2701645
Ion Ratio Lower Upper
91 100
106 30.7 25.9 38.9

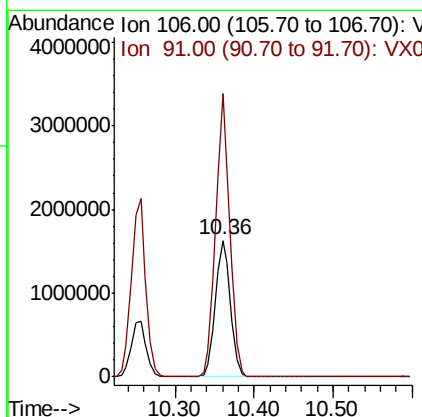
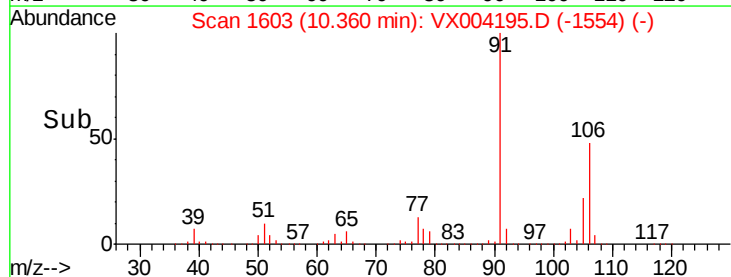
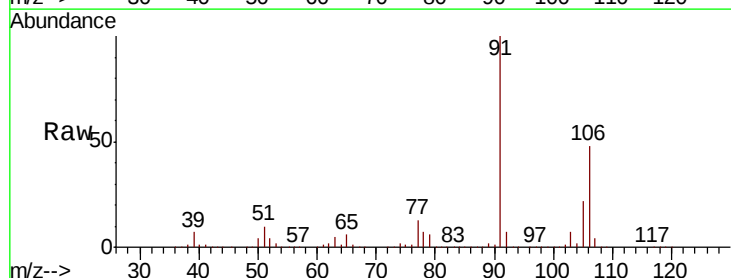
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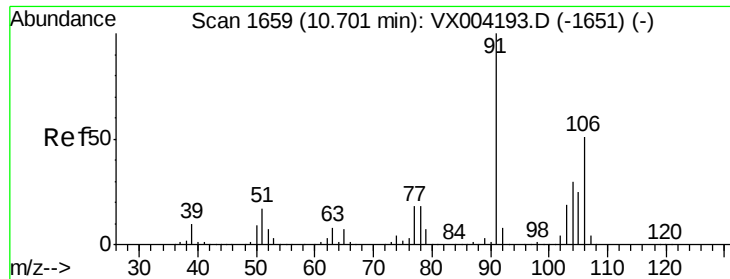
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#68
m/p-Xylenes
Concen: 312.57 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Tgt Ion: 106 Resp: 2162145
Ion Ratio Lower Upper
106 100
91 195.3 157.1 235.7





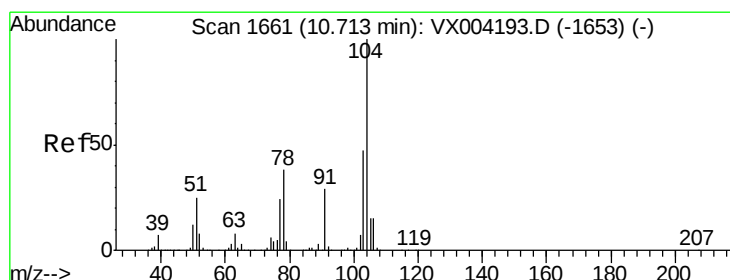
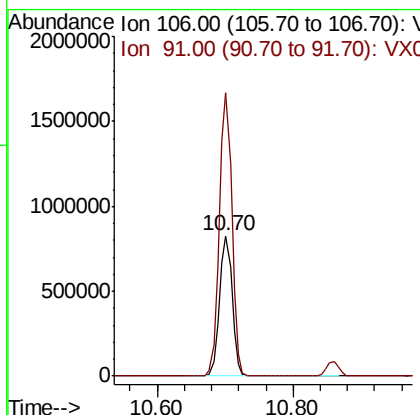
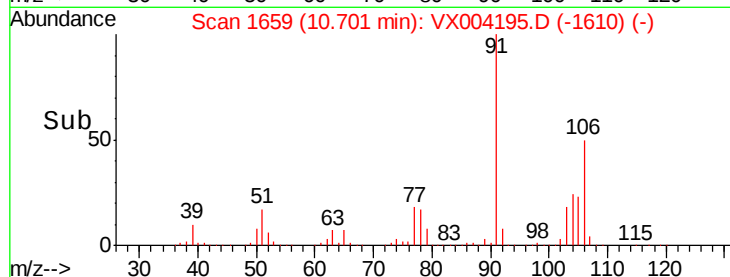
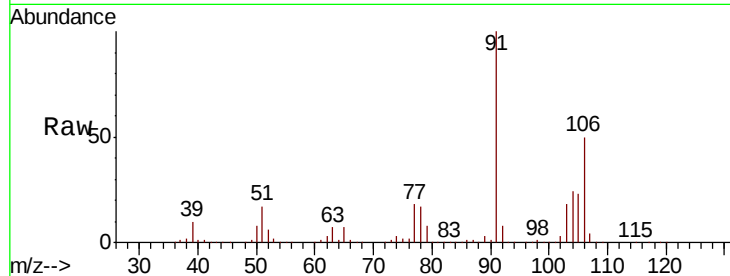
#69
o-Xylene
Concen: 162.15 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1060997
Ion Ratio Lower Upper
106 100
91 201.4 105.1 315.1

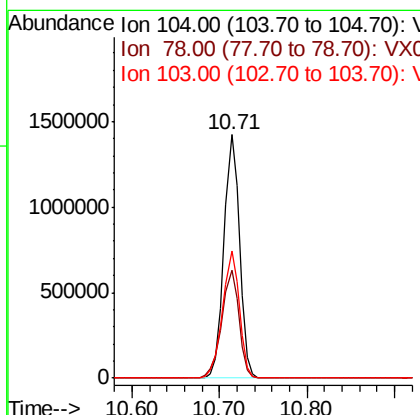
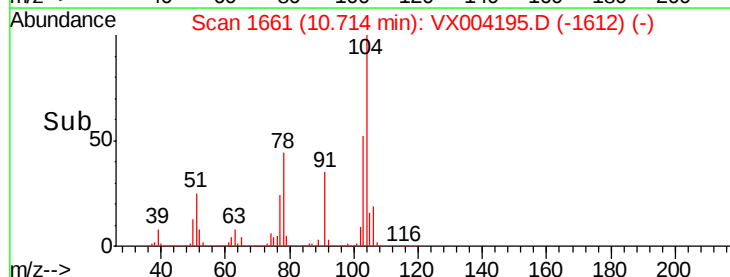
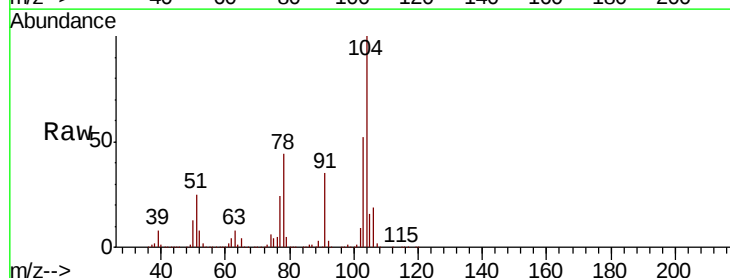
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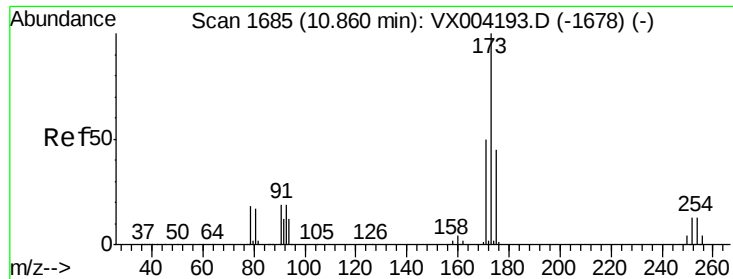
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#70
Styrene
Concen: 164.66 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Tgt Ion:104 Resp: 1744515
Ion Ratio Lower Upper
104 100
78 48.9 37.4 56.0
103 56.3 43.8 65.6





#71

Bromoform

Concen: 180.25 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_X

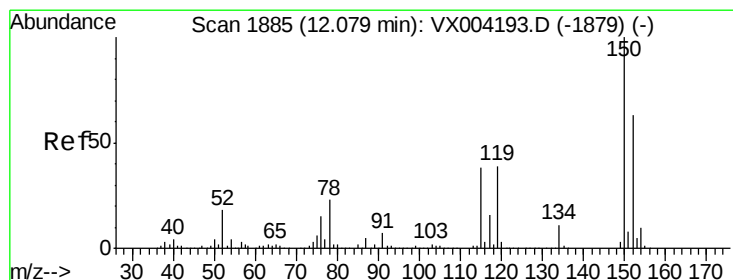
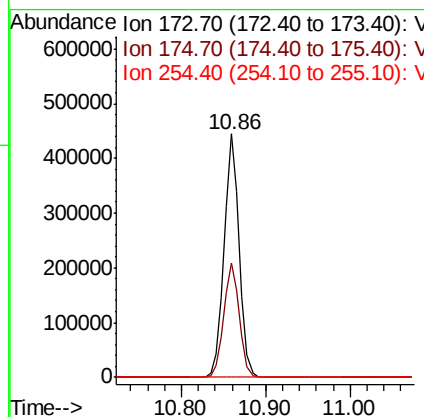
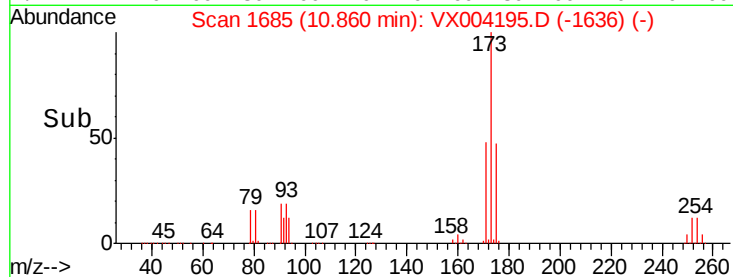
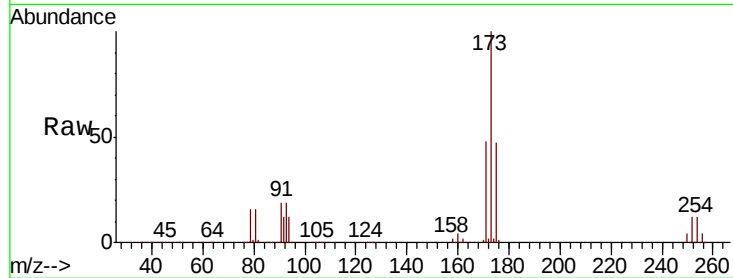
ClientSampleId :

VSTDIC150

Tot Ion:	173	Resp:	545894
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.1	72.3
254	0.2	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

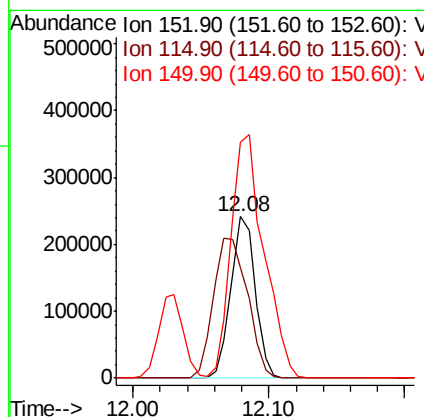
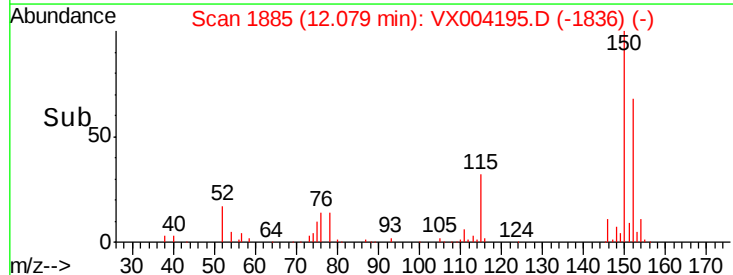
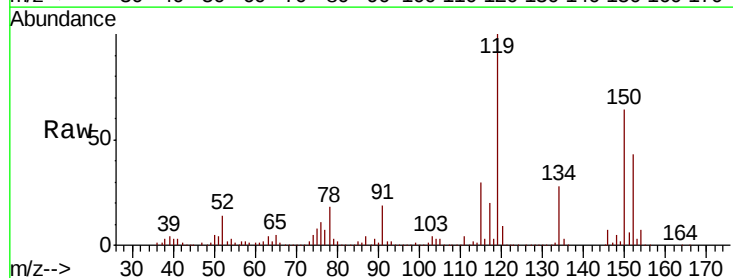
RT: 12.08 min Scan# 1885

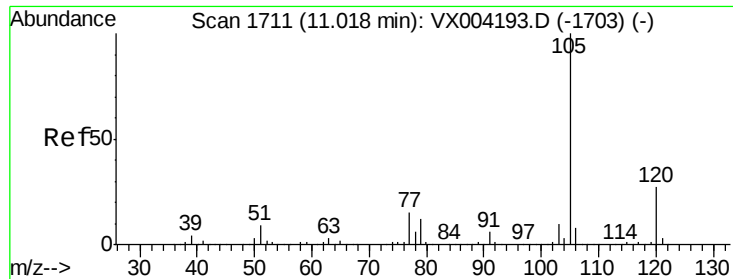
Delta R.T. 0.00 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Tgt Ion:	152	Resp:	302248
Ion Ratio	Lower	Upper	
152	100		
115	120.3	39.0	117.0#
150	203.6	0.0	351.0





#73

Isopropylbenzene

Concen: 148.48 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 2947432

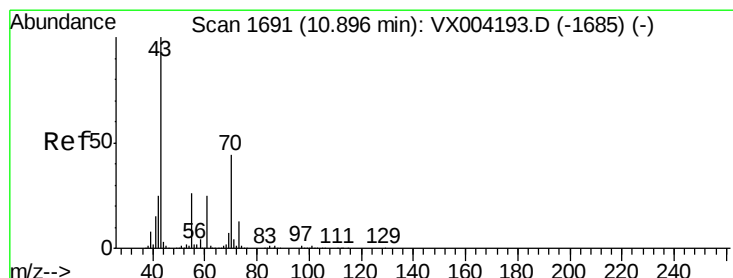
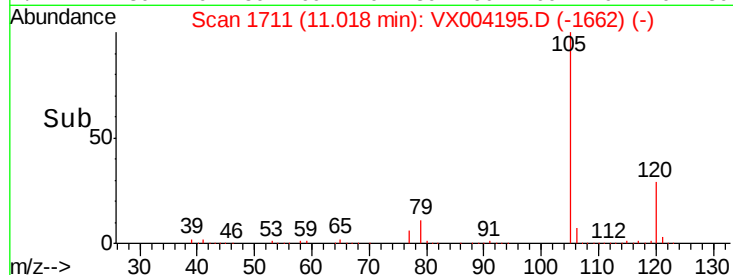
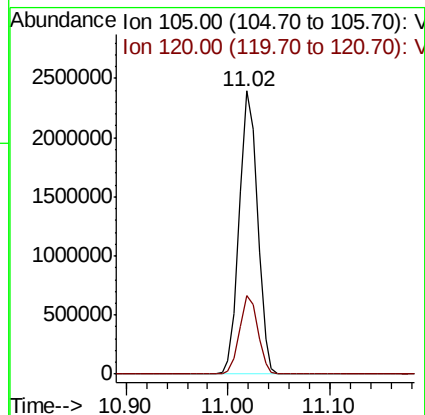
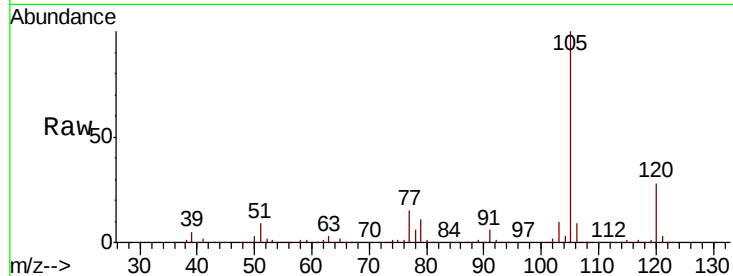
Ion Ratio Lower Upper

105 100

120 27.7 13.5 40.4

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#74

N-ethyl acetate

Concen: 166.35 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Tgt Ion: 43 Resp: 1271463

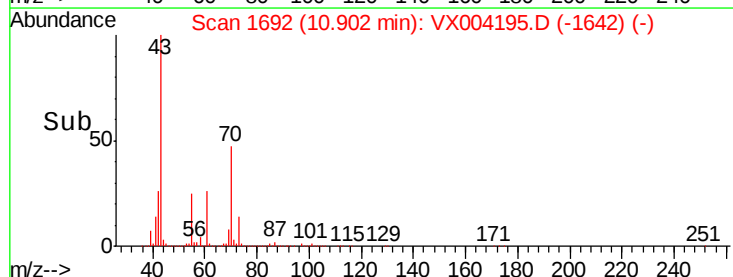
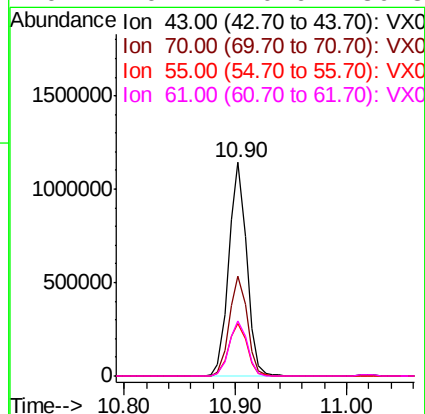
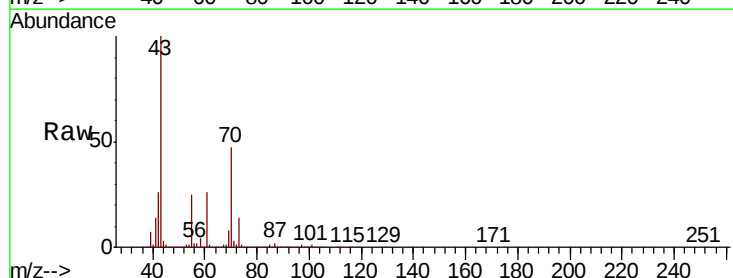
Ion Ratio Lower Upper

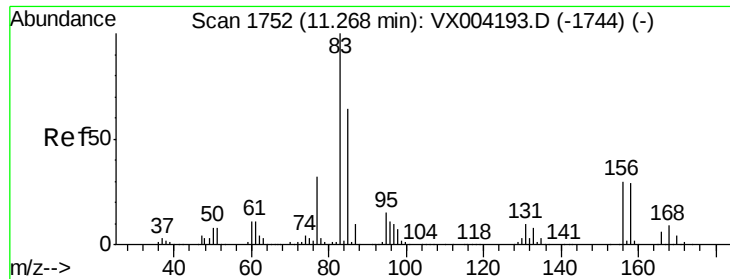
43 100

70 47.4 37.4 56.0

55 25.5 21.8 32.8

61 26.2 20.6 30.8





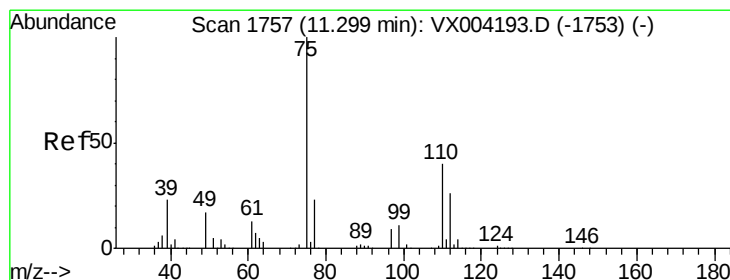
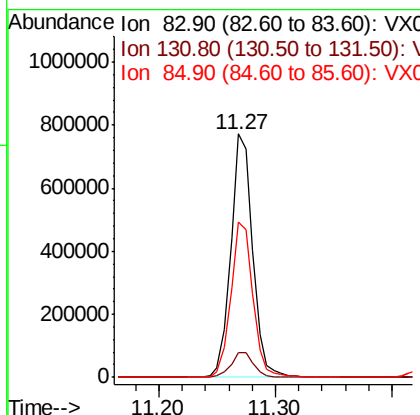
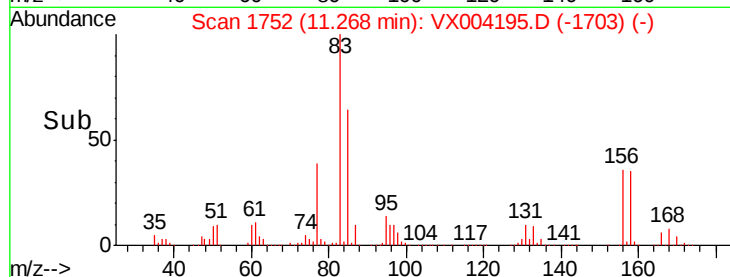
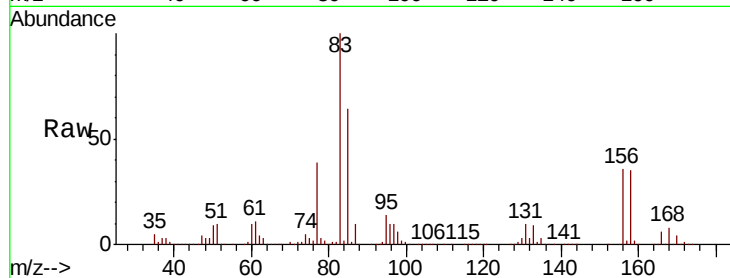
#75
 1,1,2,2-Tetrachloroethane
 Concen: 144.88 ug/l
 RT: 11.27 min Scan# 1752
 Delta R.T. 0.00 min
 Lab File: VX004195.D
 Acq: 22 Aug 2018 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 83 Resp: 1006442
 Ion Ratio Lower Upper
 83 100
 131 10.5 5.2 15.6
 85 64.6 32.3 96.8

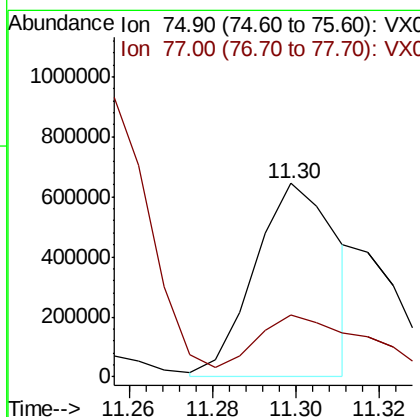
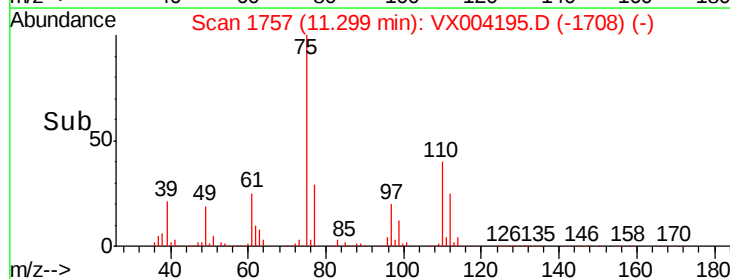
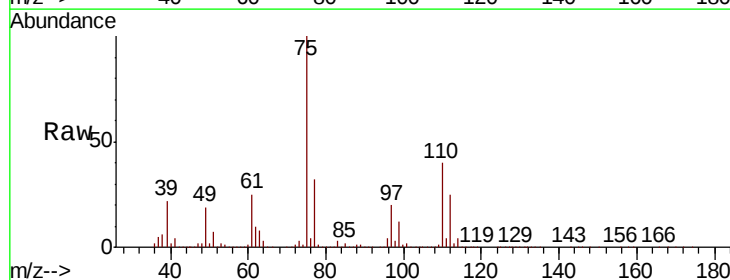
Manual Integrations
 APPROVED

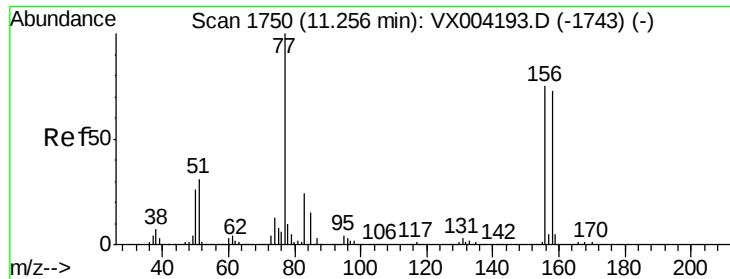
MMDadoda
 8/23/2018 9:40:04 AM



#76
 1,2,3-Trichloropropane
 Concen: 147.53 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VX004195.D
 Acq: 22 Aug 2018 12:34

Tgt Ion: 75 Resp: 880388
 Ion Ratio Lower Upper
 75 100
 77 43.6 20.2 60.6





#77

Bromobenzene

Concen: 145.32 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_X

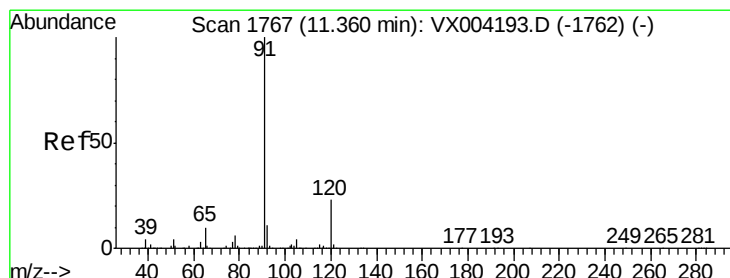
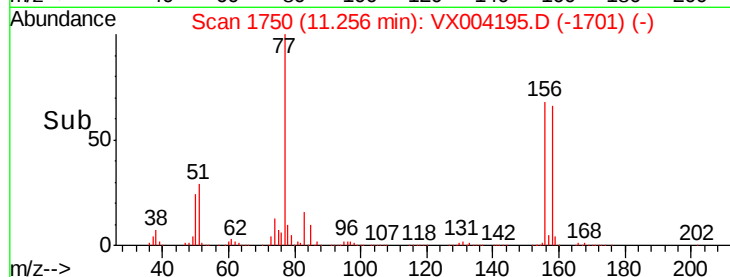
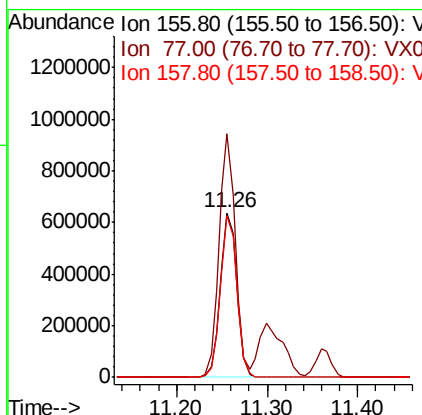
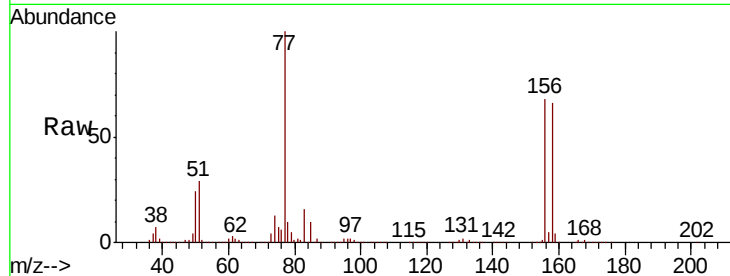
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	809207
Ion Ratio	Lower	Upper	
156	100		
77	145.9	71.5	214.3
158	98.1	48.9	146.8

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#78

n-propylbenzene

Concen: 149.75 ug/l

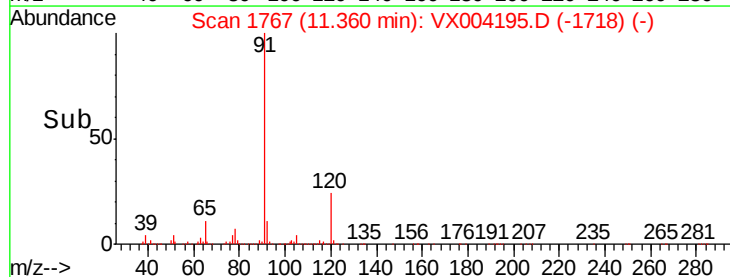
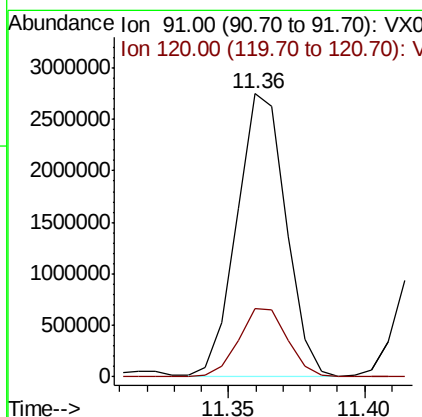
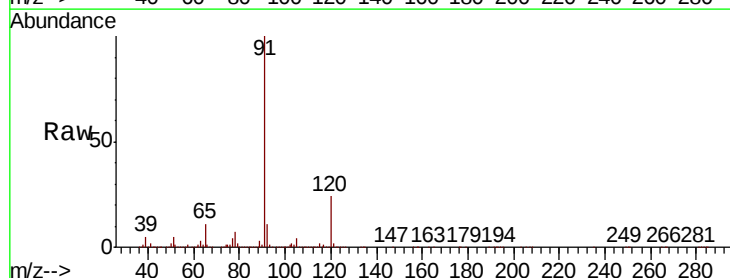
RT: 11.36 min Scan# 1767

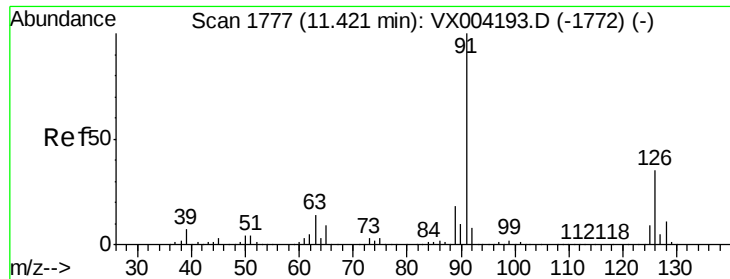
Delta R.T. 0.00 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Tgt Ion:	91	Resp:	3419071
Ion Ratio	Lower	Upper	
91	100		
120	24.3	11.9	35.9





#79

2-Chlorotoluene

Concen: 144.99 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2037557

Ion Ratio Lower Upper

91 100

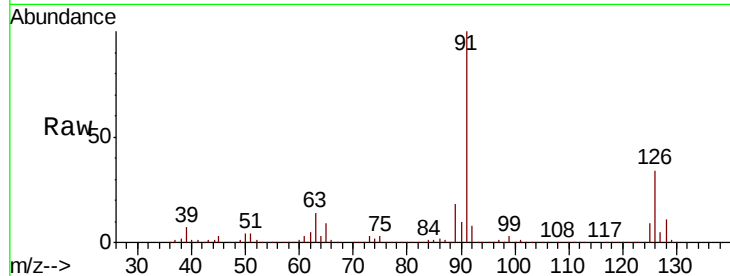
126 35.5 17.9 53.7

Manual Integrations

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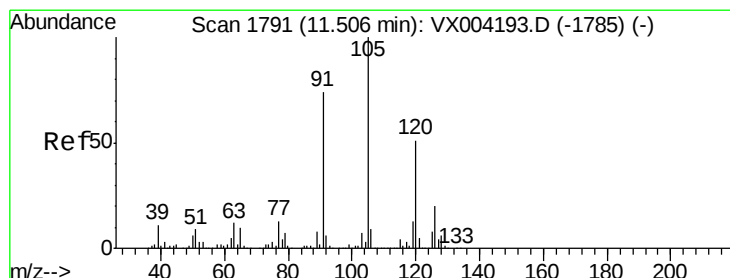
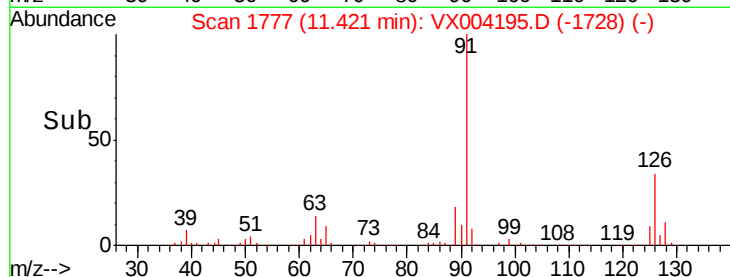
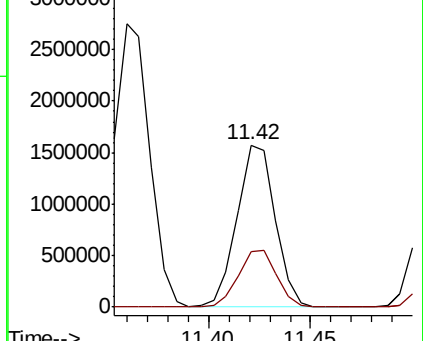
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8/23/2018 9:40:04 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 154.81 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX004195.D

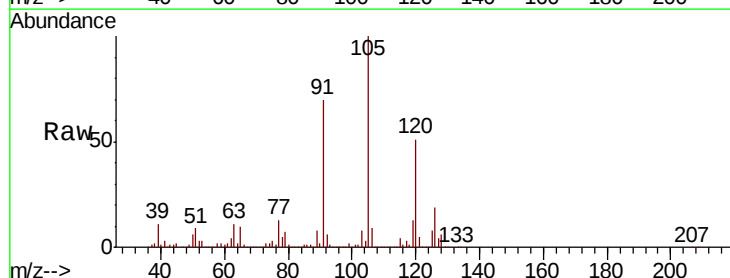
Acq: 22 Aug 2018 12:34

Tgt Ion:105 Resp: 2545064

Ion Ratio Lower Upper

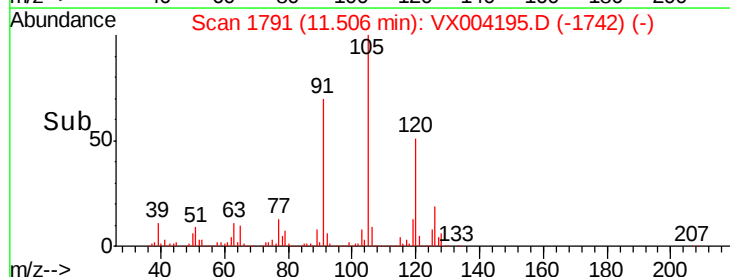
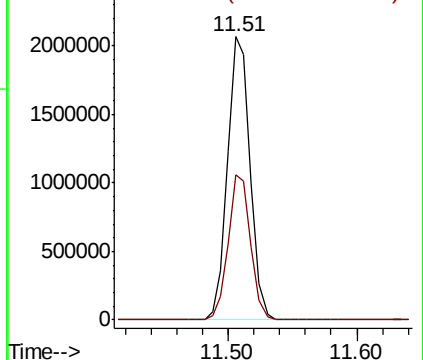
105 100

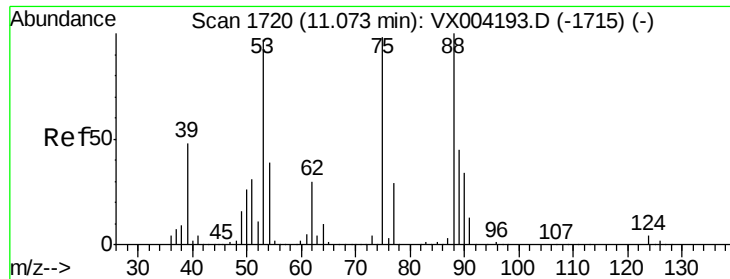
120 50.8 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





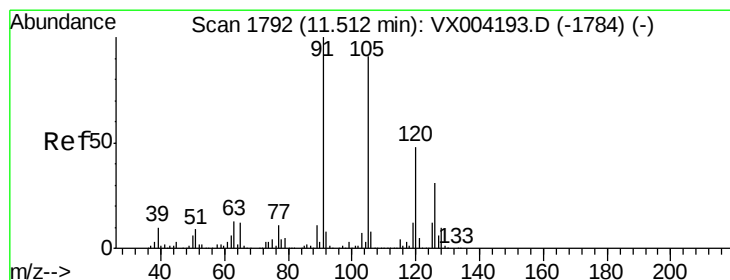
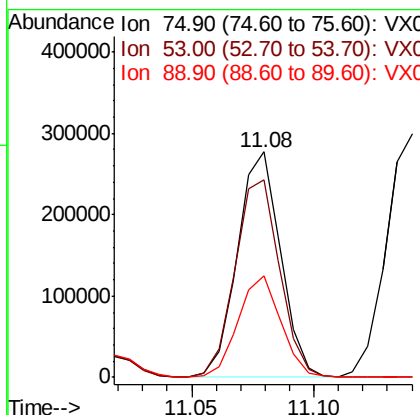
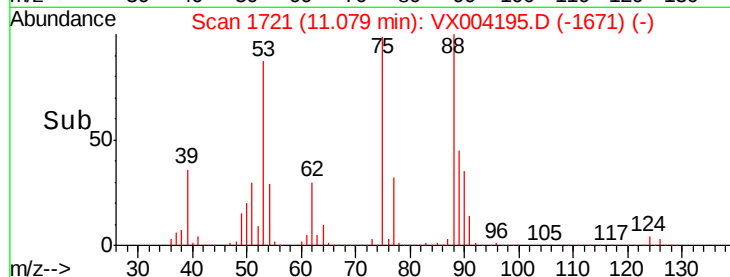
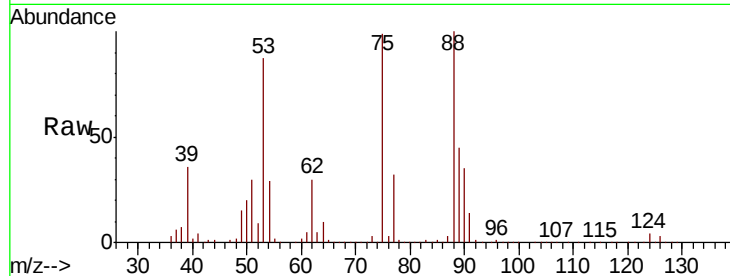
#81
trans-1,4-Dichloro-2-butene
Concen: 178.58 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.01 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.7	80.1	120.1
89	44.9	37.2	55.8

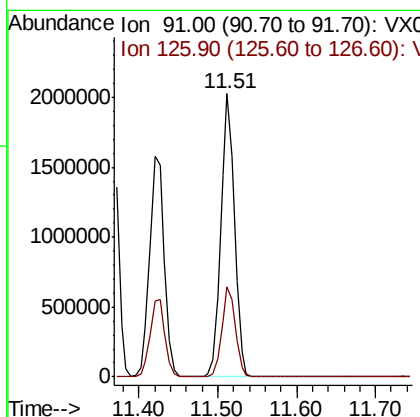
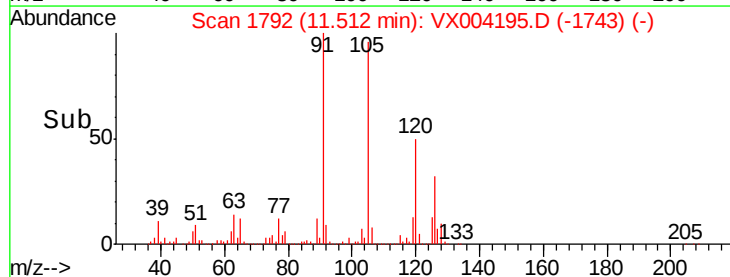
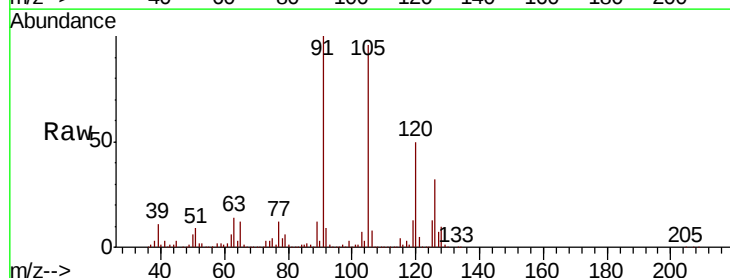
Manual Integrations
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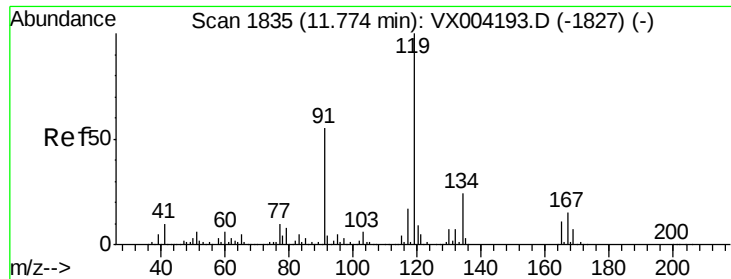
MMDadoda
8/23/2018 9:40:04 AM



#82
4-Chlorotoluene
Concen: 147.83 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.5	46.5





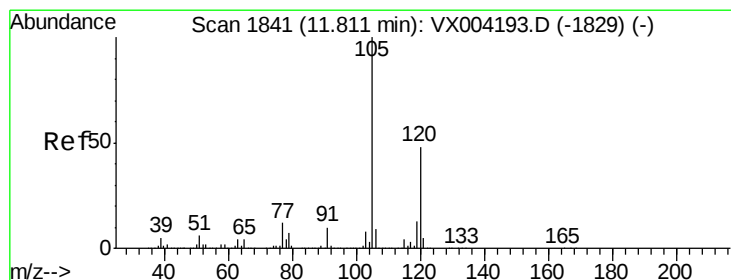
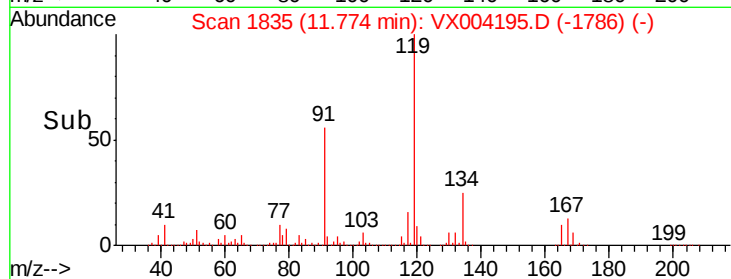
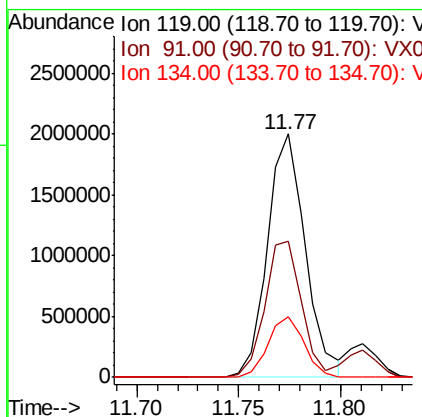
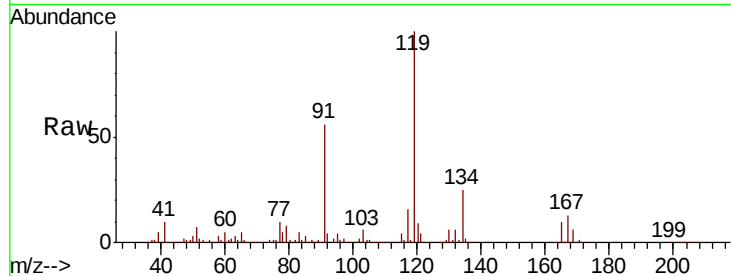
#83
 tert-Butylbenzene
 Concen: 156.56 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX004195.D
 Acq: 22 Aug 2018 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.9	27.0	81.0
134	23.8	11.7	35.1

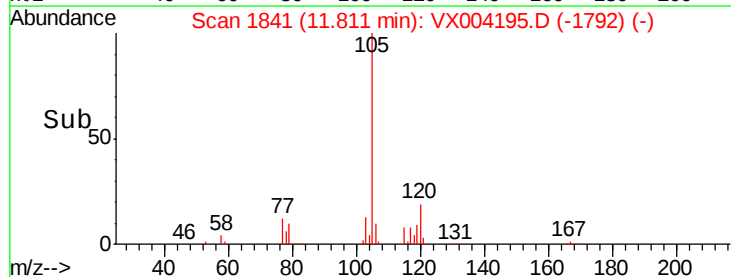
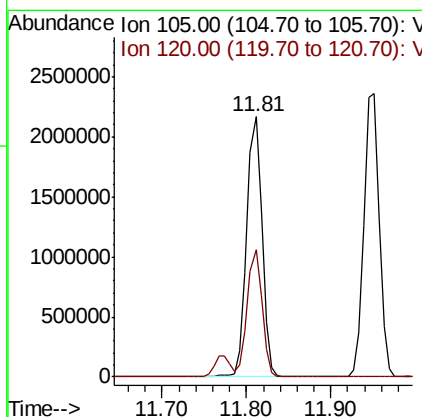
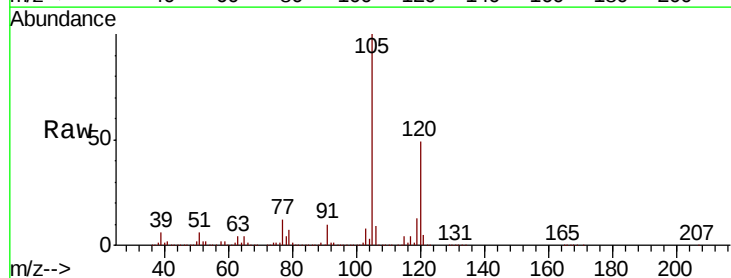
Manual Integrations
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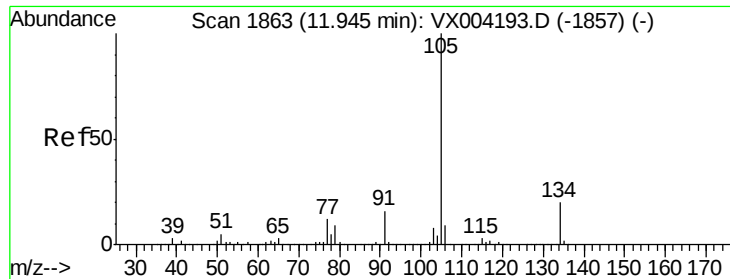
MMDadoda
 8/23/2018 9:40:04 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 154.78 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX004195.D
 Acq: 22 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.2	69.6





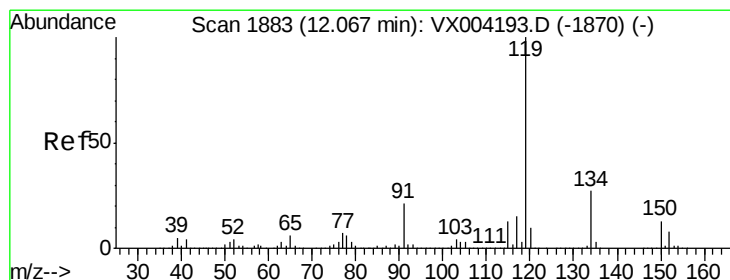
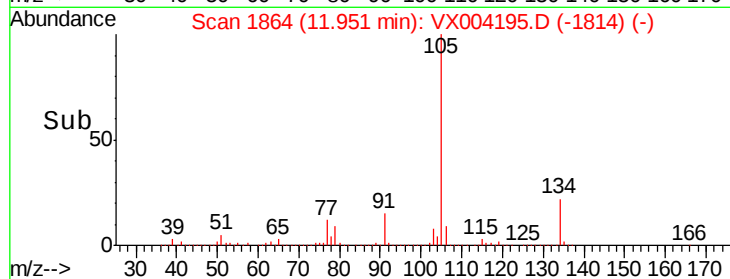
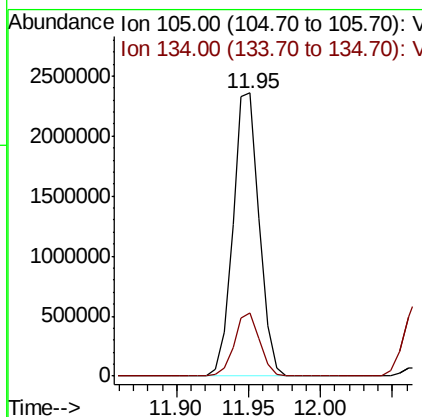
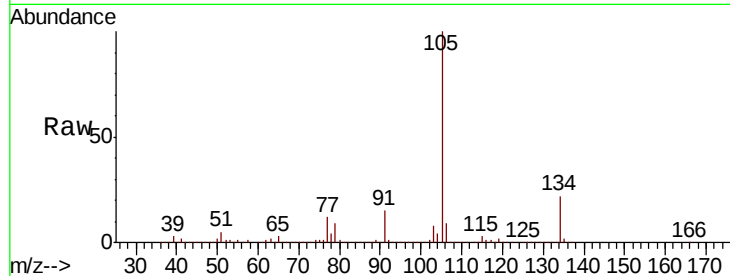
#85
 sec-Butylbenzene
 Concen: 152.65 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.01 min
 Lab File: VX004195.D
 Acq: 22 Aug 2018 12:34

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC150

Tot Ion:105 Resp: 2997546
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.5 31.5

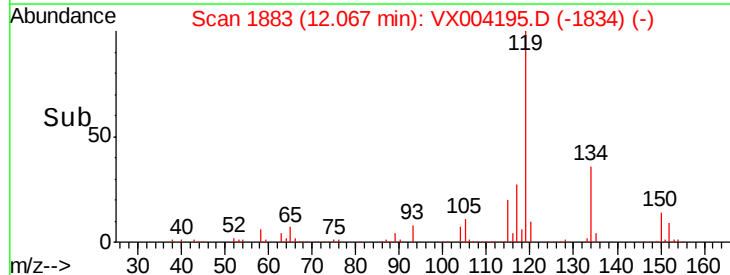
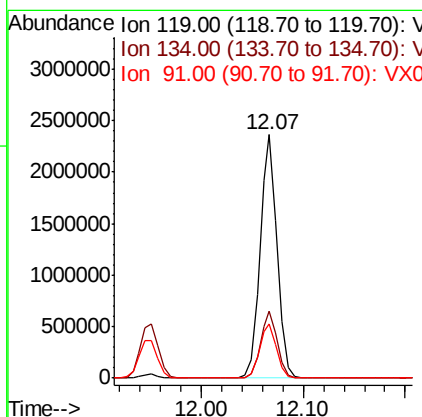
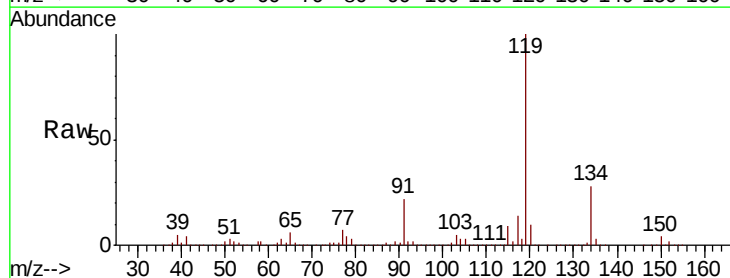
Manual Integrations
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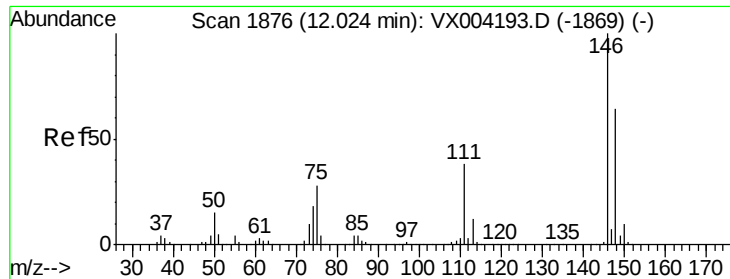
MMDadoda
 8/23/2018 9:40:04 AM



#86
 p-Isopropyltoluene
 Concen: 156.38 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX004195.D
 Acq: 22 Aug 2018 12:34

Tgt Ion:119 Resp: 2752002
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.4 40.2
 91 22.2 10.9 32.7





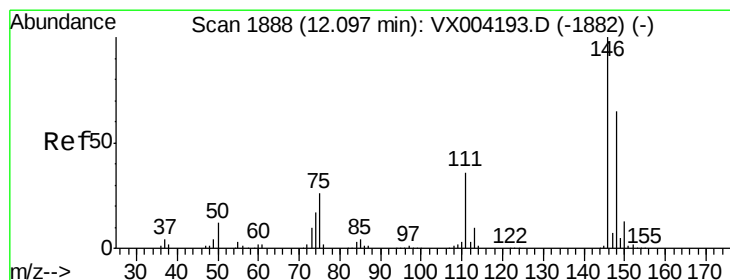
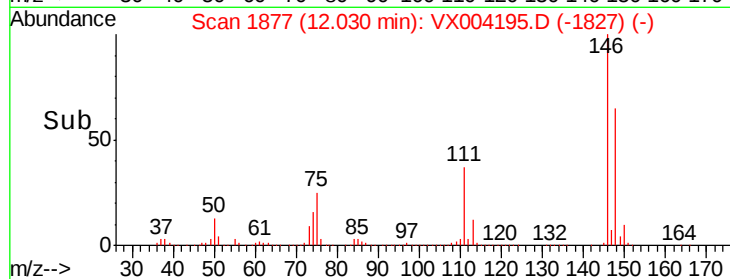
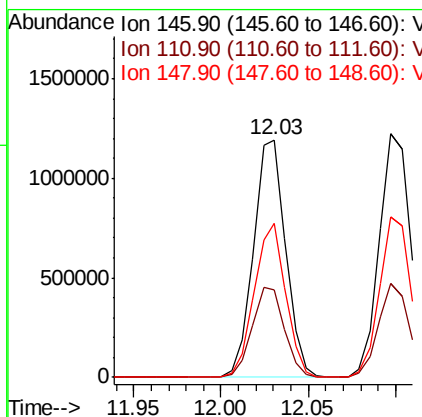
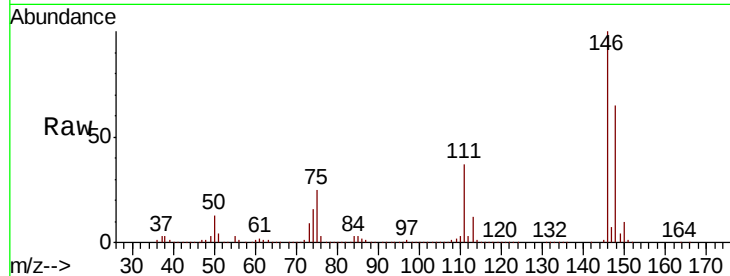
#87
 1,3-Dichlorobenzene
 Concen: 144.76 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VX004195.D
 Acq: 22 Aug 2018 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1517738
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.7 56.1
 148 63.4 32.1 96.5

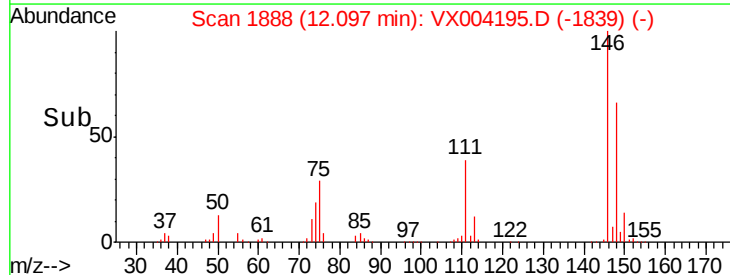
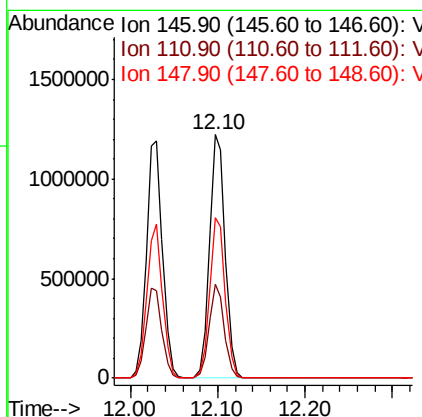
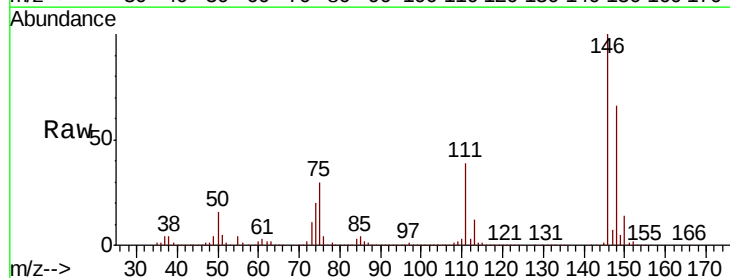
Manual Integrations
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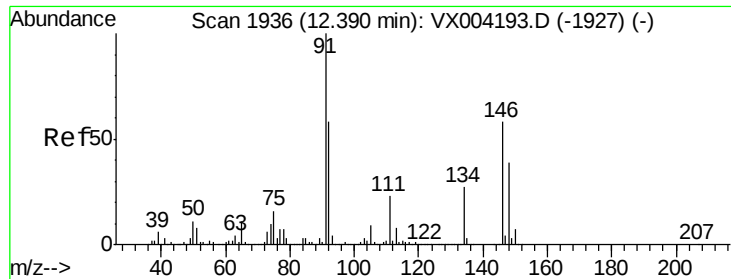
MMDadoda
 8/23/2018 9:40:04 AM



#88
 1,4-Dichlorobenzene
 Concen: 138.42 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX004195.D
 Acq: 22 Aug 2018 12:34

Tgt Ion:146 Resp: 1526128
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.1 54.1
 148 65.3 32.0 96.0





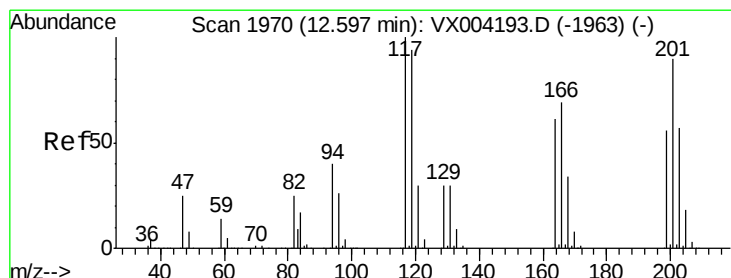
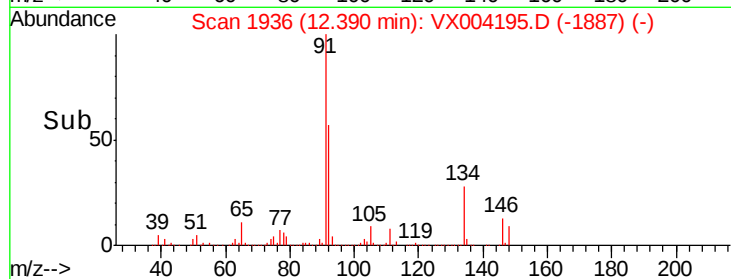
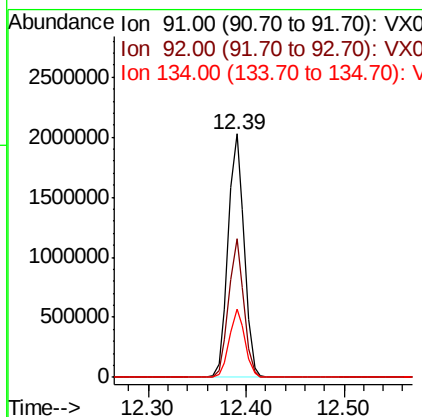
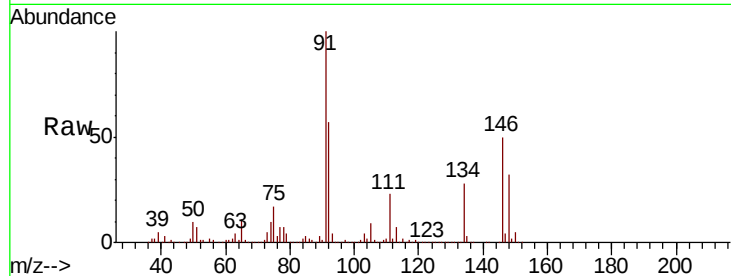
#89
n-Butylbenzene
Concen: 160.44 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.3	81.9
134	27.3	13.6	40.7

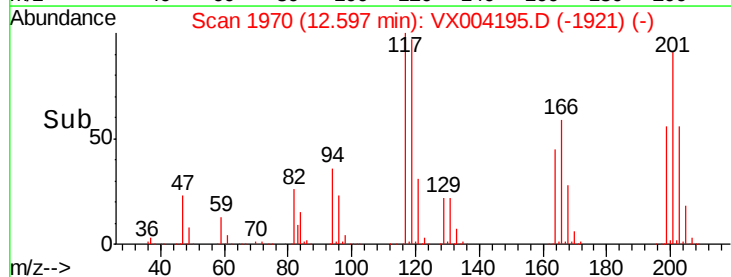
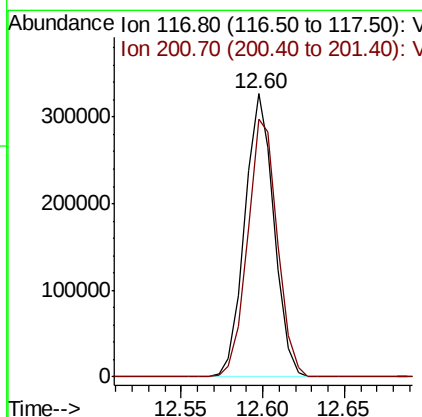
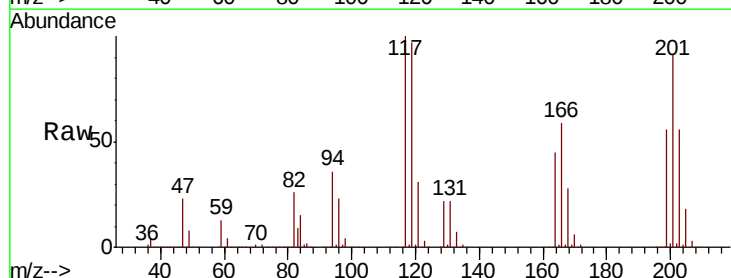
Manual Integrations
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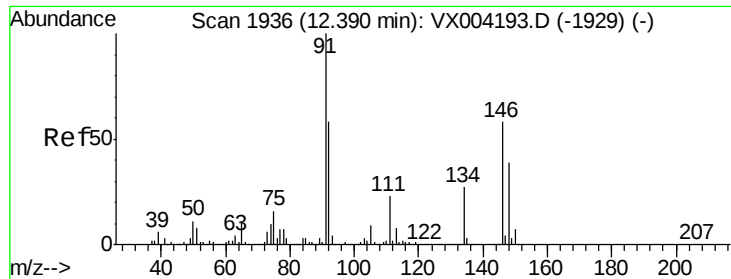
MMDadoda
8/23/2018 9:40:04 AM



#90
Hexachloroethane
Concen: 165.45 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX004195.D
Acq: 22 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.2	46.9	140.6





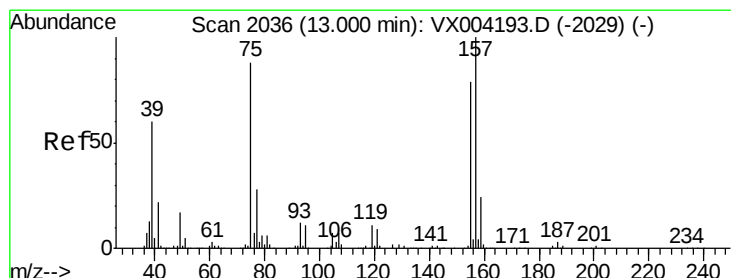
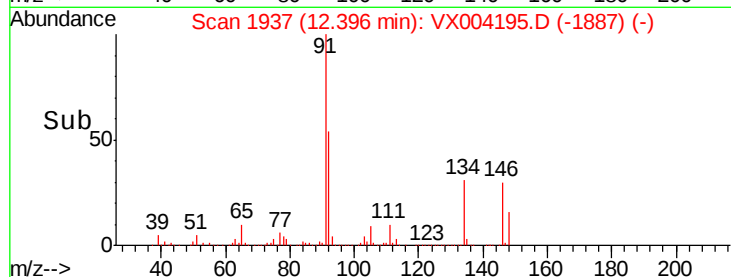
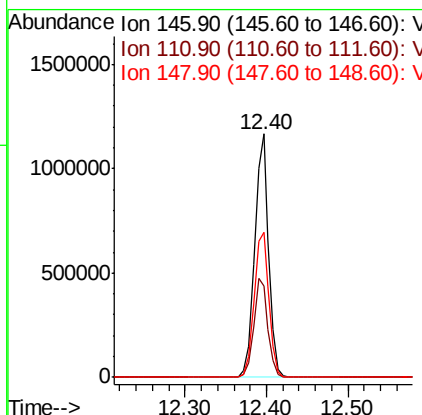
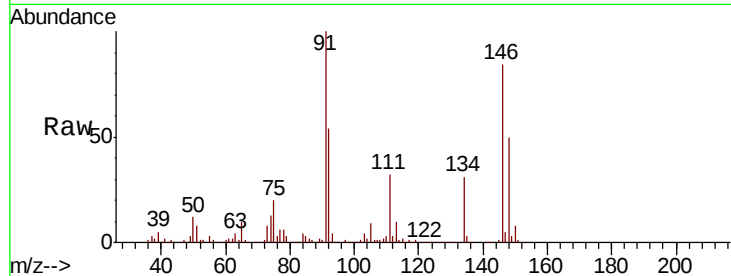
#91
 1,2-Dichlorobenzene
 Concen: 146.46 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.01 min
 Lab File: VX004195.D
 Acq: 22 Aug 2018 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.4	58.1
148	63.5	32.8	98.3

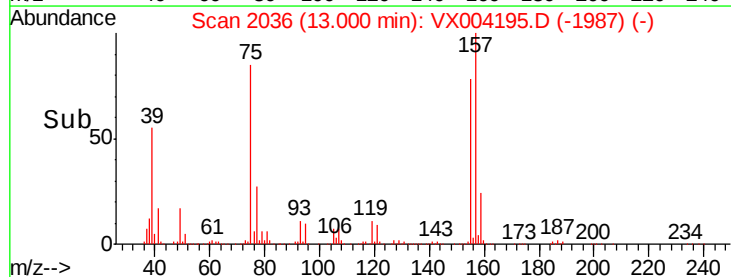
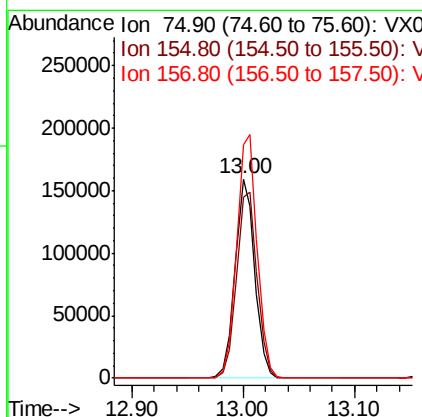
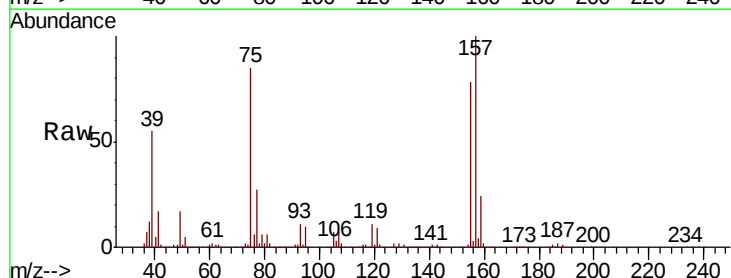
Manual Integrations
 APPROVED

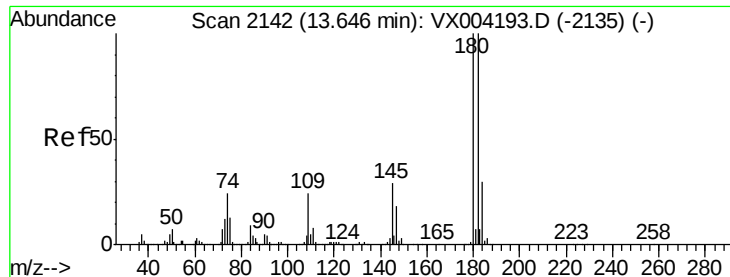
MMDadoda
 8/23/2018 9:40:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 158.32 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX004195.D
 Acq: 22 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.7	48.0	144.2
157	126.8	61.4	184.1





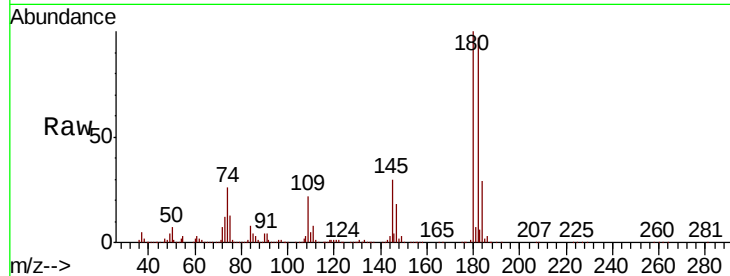
#93
 1,2,4-Trichlorobenzene
 Concen: 151.36 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX004195.D
 Acq: 22 Aug 2018 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.8	48.4	145.0
145	29.2	14.3	42.9

Manual Integrations
 APPROVED

MMDadoda
 8/23/2018 9:40:04 AM

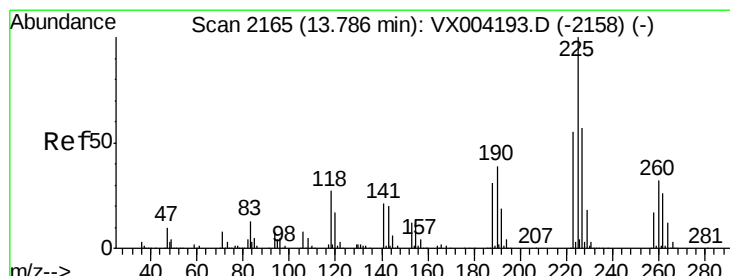
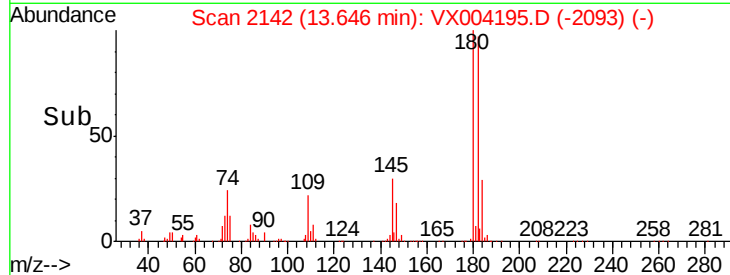
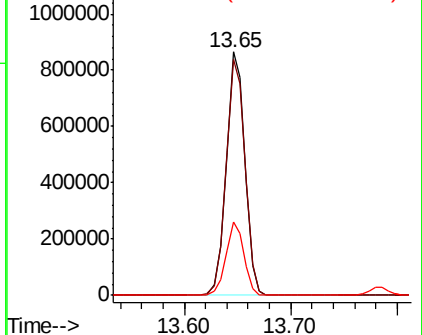


Abundance

Ion 179.80 (179.50 to 180.50): V

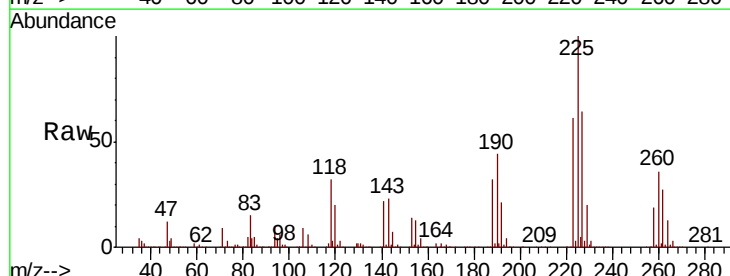
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 141.54 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX004195.D
 Acq: 22 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	30.1	90.5
227	62.6	30.8	92.4

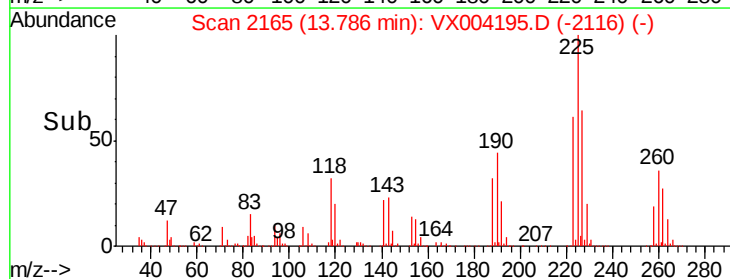
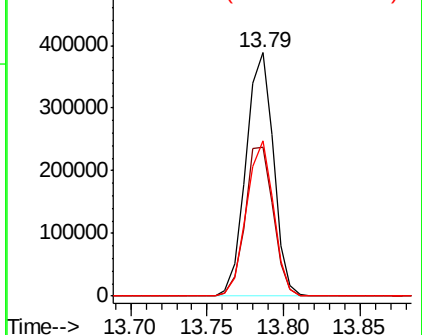


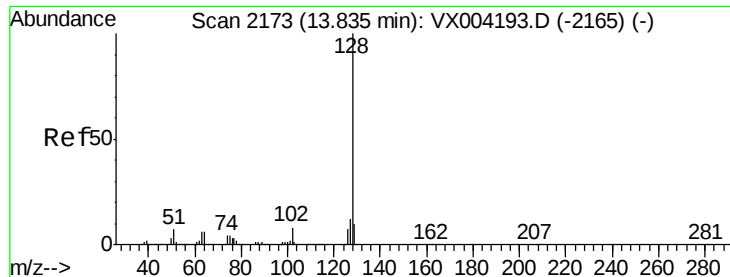
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 167.01 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 3293403

Ion Ratio Lower Upper

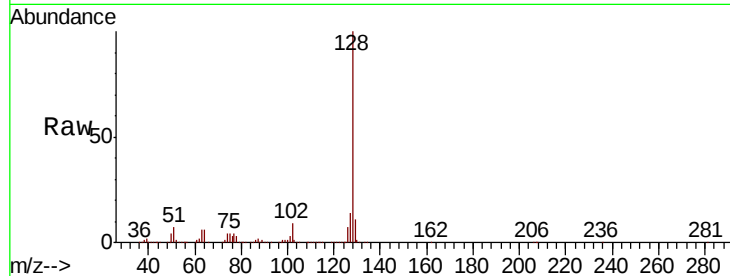
128 100

127 13.1 10.2 15.2

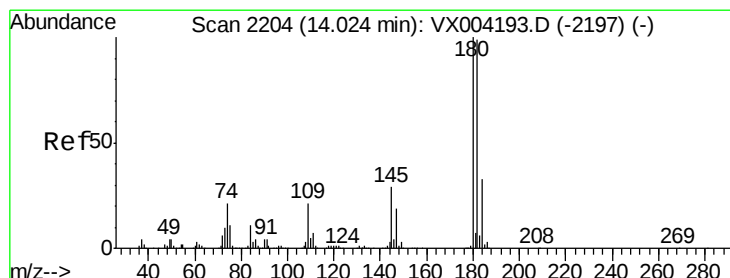
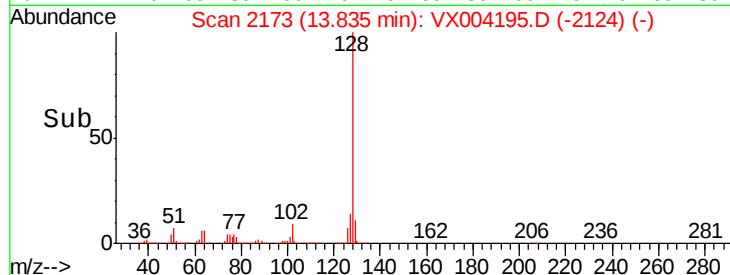
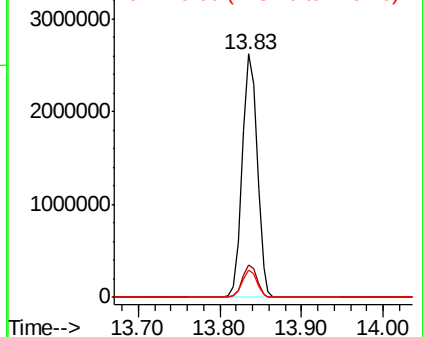
129 11.1 8.6 12.8

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8/23/2018 9:40:04 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 154.75 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX004195.D

Acq: 22 Aug 2018 12:34

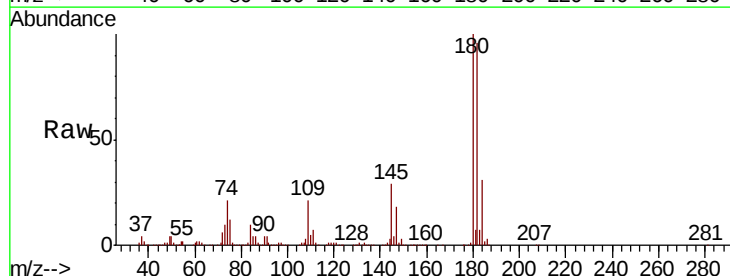
Tgt Ion:180 Resp: 1142134

Ion Ratio Lower Upper

180 100

182 96.2 48.5 145.6

145 29.8 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

