

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082218\
 Data File : VX004194.D
 Acq On : 22 Aug 2018 12:08
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/23/2018 9:39:59 AM

Quant Time: Aug 23 04:53:56 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	316797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	464289	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	418686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	281822	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	404092	97.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.74%	
35) Dibromofluoromethane	5.50	113	348239	100.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.64%	
50) Toluene-d8	8.72	98	1331706	102.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.28%	
62) 4-Bromofluorobenzene	11.14	95	516341	106.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	381771	104.04	ug/l	97
3) Chloromethane	1.32	50	390071	91.19	ug/l	100
4) Vinyl Chloride	1.40	62	401021	96.61	ug/l	99
5) Bromomethane	1.63	94	201663	80.25	ug/l	100
6) Chloroethane	1.71	64	266728	83.64	ug/l	94
7) Trichlorofluoromethane	1.92	101	542013	95.29	ug/l	93
8) Diethyl Ether	2.19	74	232243	95.35	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	327624	91.96	ug/l	100
10) Methyl Iodide	2.51	142	403011	110.03	ug/l	99
11) Tert butyl alcohol	3.09	59	410274	466.14	ug/l	99
12) 1,1-Dichloroethene	2.37	96	313938	93.54	ug/l	98
13) Acrolein	2.29	56	104564	492.77	ug/l	97
14) Allyl chloride	2.72	41	598999	97.14	ug/l	99
15) Acrylonitrile	3.15	53	1013214	464.83	ug/l	99
16) Acetone	2.45	43	810215	413.03	ug/l	98
17) Carbon Disulfide	2.56	76	911682	92.39	ug/l	99
18) Methyl Acetate	2.78	43	585517	95.56	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1053609	95.26	ug/l	98
20) Methylene Chloride	2.85	84	356536	89.70	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	338848	91.22	ug/l	92
22) Diisopropyl ether	3.87	45	1095453	95.15	ug/l	98
23) Vinyl Acetate	3.82	43	4542739	486.84	ug/l	97
24) 1,1-Dichloroethane	3.69	63	629017	93.75	ug/l	99
25) 2-Butanone	4.71	43	1343634	438.52	ug/l	100
26) 2,2-Dichloropropane	4.58	77	503738	95.72	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	398514	94.59	ug/l	100
28) Bromochloromethane	5.02	49	289364	97.41	ug/l	100
29) Tetrahydrofuran	5.16	42	858556	483.96	ug/l	100
30) Chloroform	5.21	83	633313	94.15	ug/l	98
31) Cyclohexane	5.57	56	577909	99.83	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	548259	97.74	ug/l	99
36) 1,1-Dichloropropene	5.80	75	492552	94.36	ug/l	99
37) Ethyl Acetate	4.86	43	502523	97.89	ug/l	100
38) Carbon Tetrachloride	5.78	117	487693	99.32	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	599835	100.65	ug/l	99
40) Benzene	6.14	78	1499331	96.13	ug/l	100
41) Methacrylonitrile	5.06	41	288879	97.08	ug/l	99
42) 1,2-Dichloroethane	6.20	62	500831	94.14	ug/l	100
43) Isopropyl Acetate	6.46	43	813811	103.17	ug/l	99
44) Trichloroethene	7.21	130	404427	93.68	ug/l	99
45) 1,2-Dichloropropane	7.52	63	380466	97.47	ug/l	100
46) Dibromomethane	7.66	93	249480	95.99	ug/l	99
47) Bromodichloromethane	7.90	83	489629	101.24	ug/l	99
48) Methyl methacrylate	7.78	41	440316	104.32	ug/l	100
49) 1,4-Dioxane	7.76	88	191828	2001.76	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2730442	476.41	ug/l	99
52) Toluene	8.79	92	963835	98.72	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	570978	106.89	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	611991	105.18	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	383193	97.23	ug/l	99
56) Ethyl methacrylate	9.18	69	589144	109.81	ug/l	99
57) 1,3-Dichloropropane	9.37	76	650195	97.88	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1558746	567.02	ug/l	100
59) 2-Hexanone	9.50	43	2122662	485.46	ug/l	99
60) Dibromochloromethane	9.59	129	402835	104.91	ug/l	100
61) 1,2-Dibromoethane	9.68	107	404279	99.12	ug/l	99
64) Tetrachloroethene	9.34	164	382530	92.49	ug/l	99
65) Chlorobenzene	10.14	112	1033362	98.34	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	371182	102.42	ug/l	96
67) Ethyl Benzene	10.25	91	1719229	100.74	ug/l	100
68) m/p-Xylenes	10.36	106	1362329	204.16	ug/l	98
69) o-Xylene	10.70	106	649652	102.92	ug/l	96
70) Styrene	10.71	104	1082055	105.87	ug/l	98
71) Bromoform	10.86	173	313927	107.45	ug/l	97
73) Isopropylbenzene	11.02	105	1851598	100.03	ug/l	99
74) N-amyl acetate	10.90	43	753556	105.74	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	615033	94.95	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	543538m	97.69	ug/l	
77) Bromobenzene	11.26	156	502006	96.68	ug/l	99
78) n-propylbenzene	11.36	91	2120136	99.59	ug/l	99
79) 2-Chlorotoluene	11.42	91	1269542	96.89	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1564326	102.05	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	199415	112.88	ug/l	94
82) 4-Chlorotoluene	11.51	91	1504780	97.59	ug/l	99
83) tert-Butylbenzene	11.77	119	1595421	103.45	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	1612253	102.47	ug/l	99
85) sec-Butylbenzene	11.94	105	1873355	102.31	ug/l	100
86) p-Isopropyltoluene	12.07	119	1713527	104.42	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	925056	94.63	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	944482	91.87	ug/l	99
89) n-Butylbenzene	12.39	91	1373488	102.94	ug/l	97
90) Hexachloroethane	12.60	117	243279	106.07	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	873800	97.80	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	115767	101.47	ug/l	97

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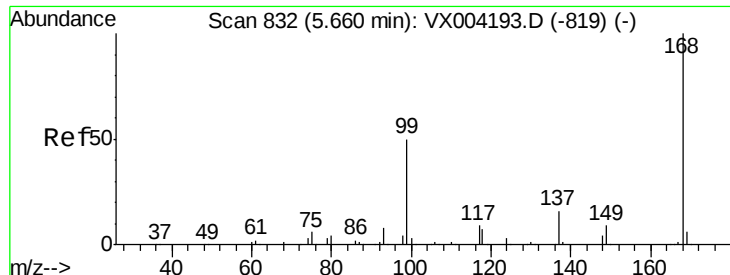
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	656662	101.01	ug/l	100
94) Hexachlorobutadiene	13.79	225	302767	94.87	ug/l	97
95) Naphthalene	13.83	128	2004622	109.03	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	695917	101.12	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: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 316797

Ion Ratio Lower Upper

168 100

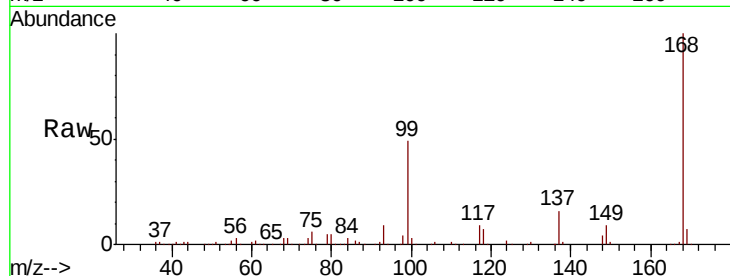
99 48.8 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): VX004193.D (-819) (-)

Ion 98.90 (98.60 to 99.60): VX004193.D (-819) (-)

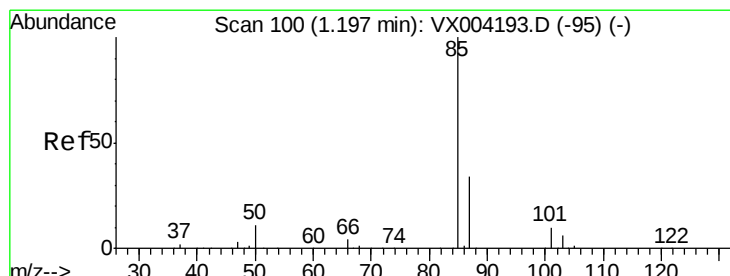
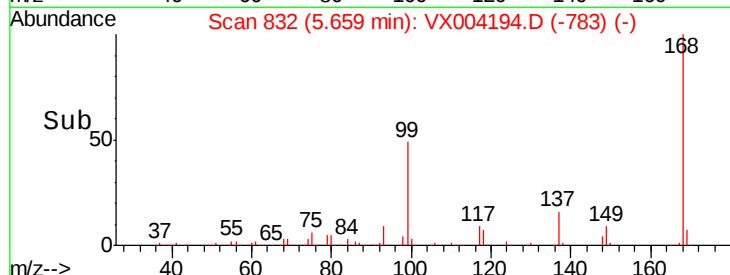
5.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 104.04 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004194.D

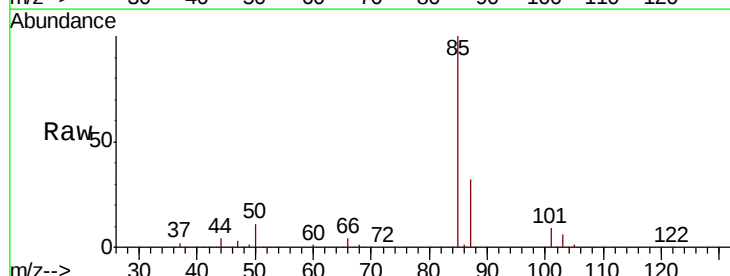
Acq: 22 Aug 2018 12:08

Tgt Ion: 85 Resp: 381771

Ion Ratio Lower Upper

85 100

87 32.1 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX004193.D (-95) (-)

Ion 86.90 (86.60 to 87.60): VX004193.D (-95) (-)

1.19

400000

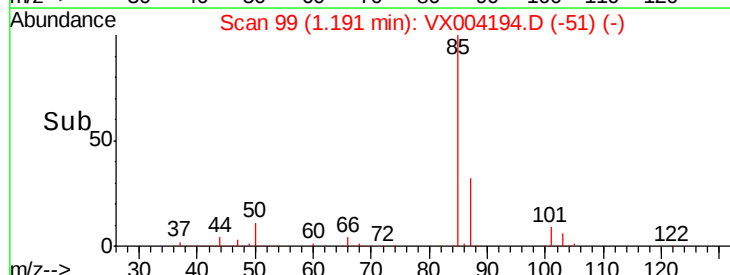
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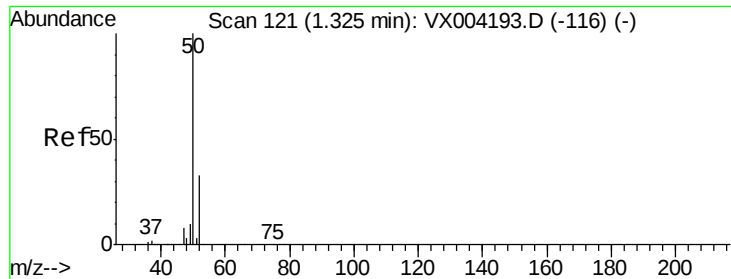
200000

100000

0

Time-->





#3

Chloromethane

Concen: 91.19 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 390071

Ion Ratio Lower Upper

50 100

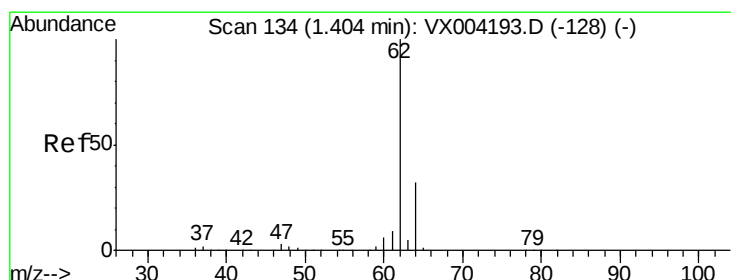
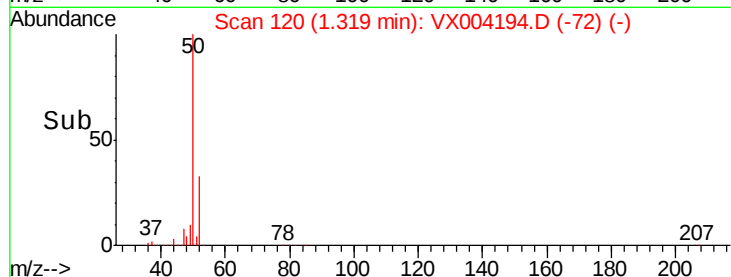
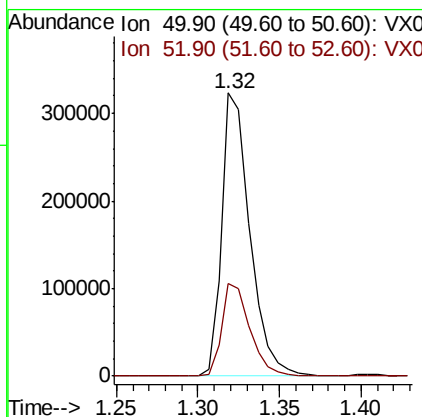
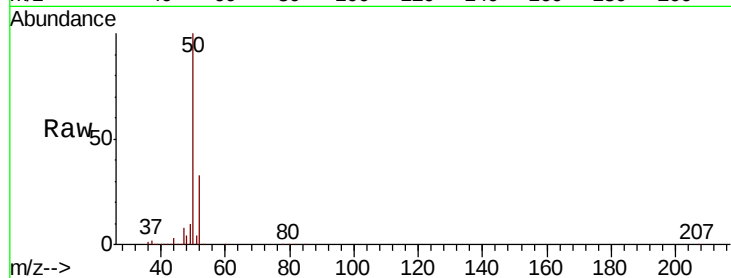
52 32.7 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 96.61 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004194.D

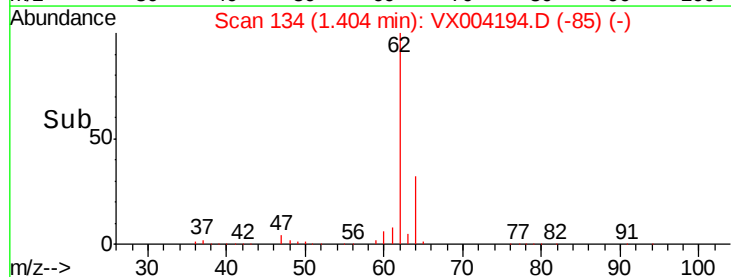
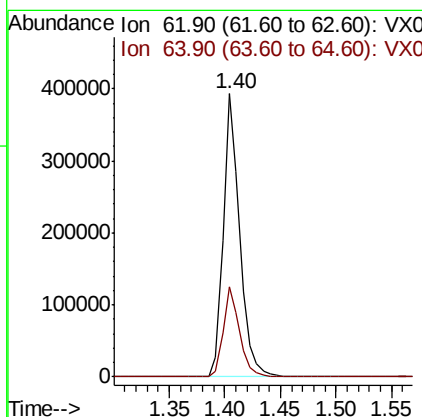
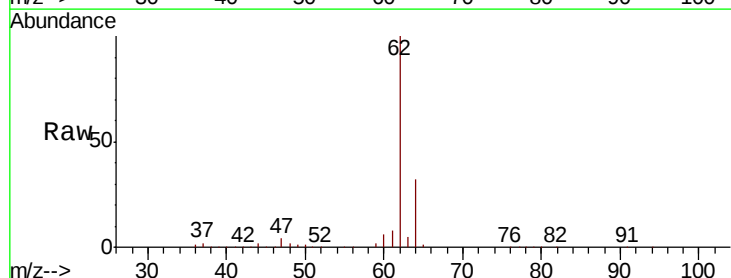
Acq: 22 Aug 2018 12:08

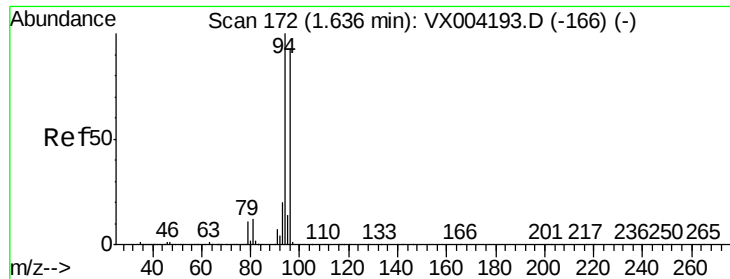
Tgt Ion: 62 Resp: 401021

Ion Ratio Lower Upper

62 100

64 31.9 25.8 38.8





#5

Bromomethane

Concen: 80.25 ug/l

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 201663

Ion Ratio Lower Upper

94 100

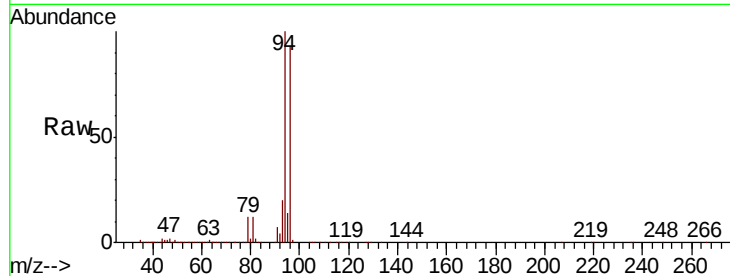
96 93.1 74.5 111.7

Manual Integrations

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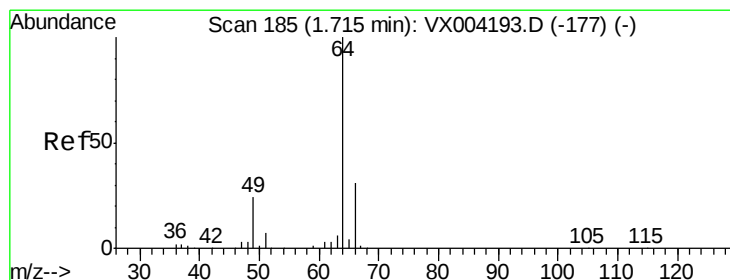
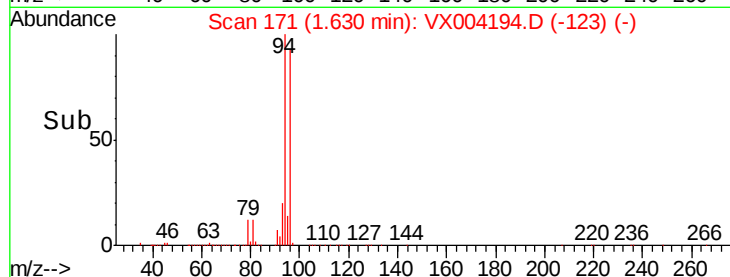
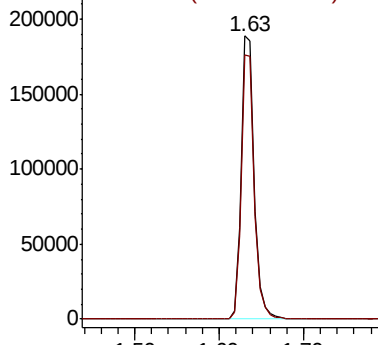
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 83.64 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX004194.D

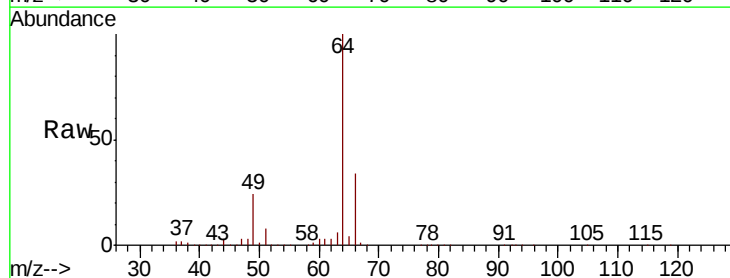
Acq: 22 Aug 2018 12:08

Tgt Ion: 64 Resp: 266728

Ion Ratio Lower Upper

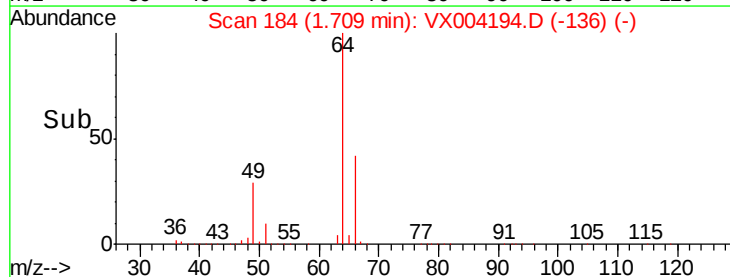
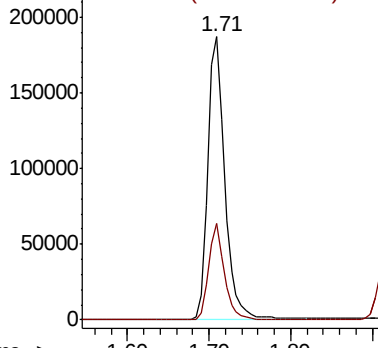
64 100

66 34.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

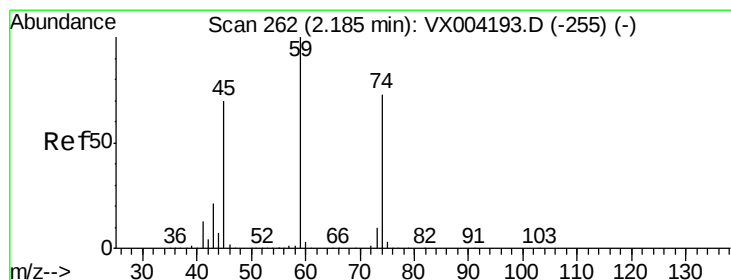
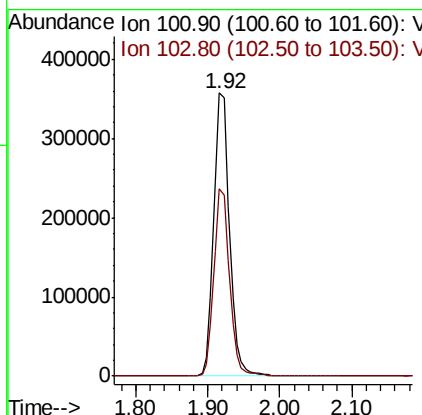
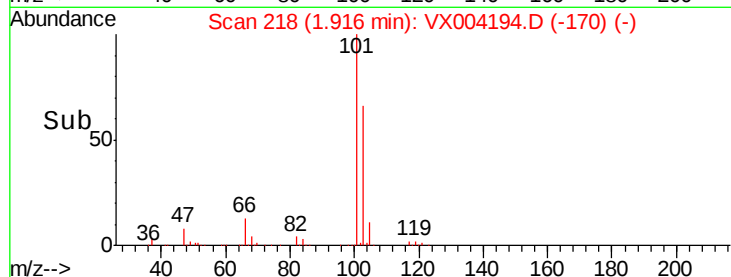
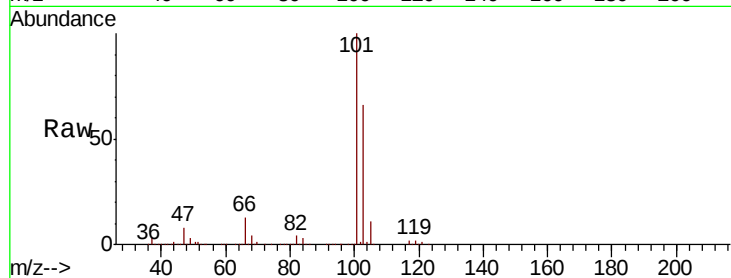
Trichlorofluoromethane
Concen: 95.29 ug/l
RT: 1.92 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	48.9	73.3

Manual Integrations
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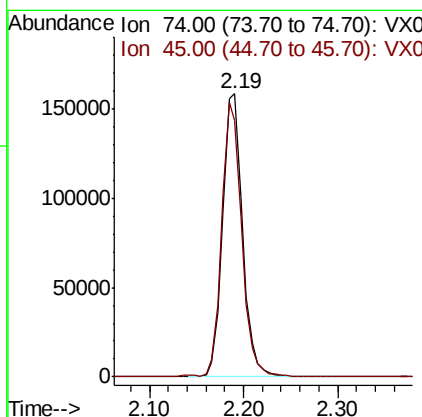
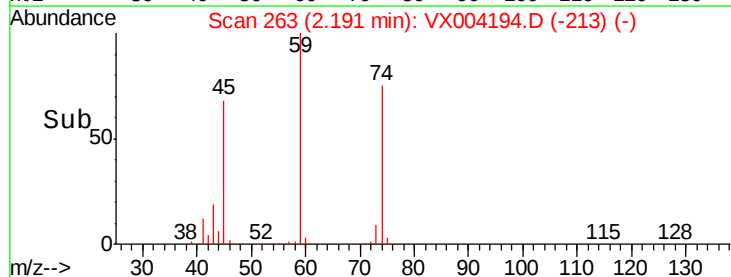
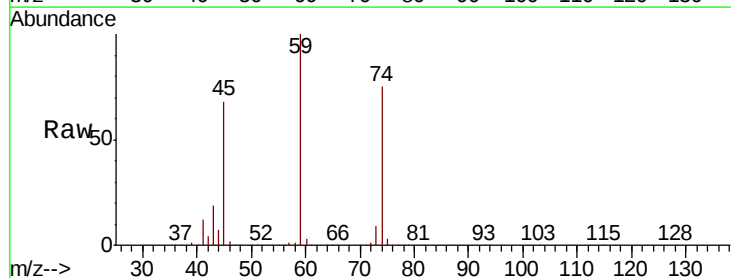
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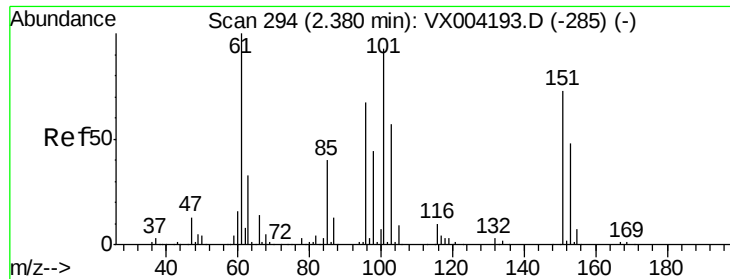


#8

Diethyl Ether
Concen: 95.35 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.01 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.96 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

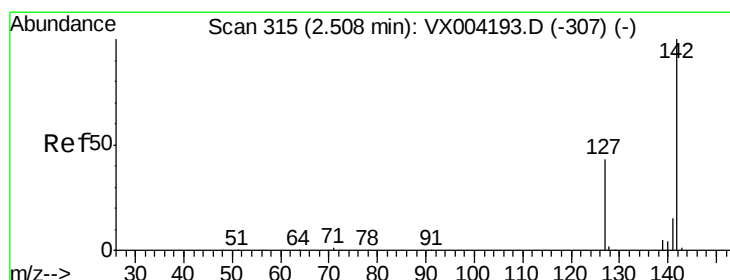
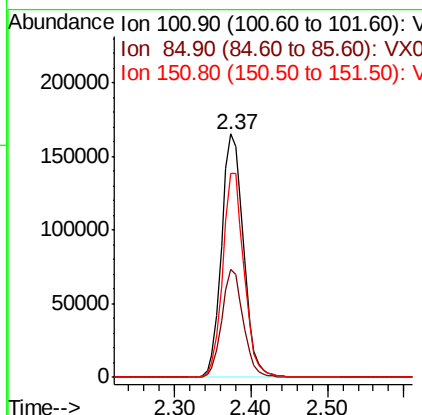
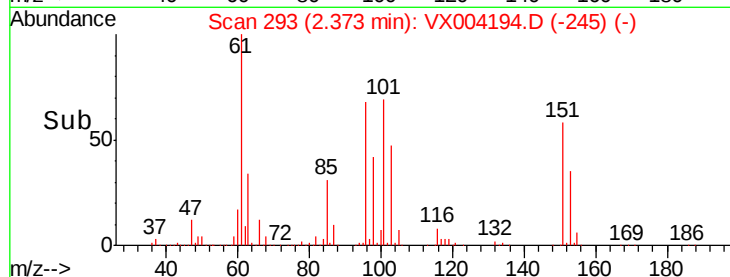
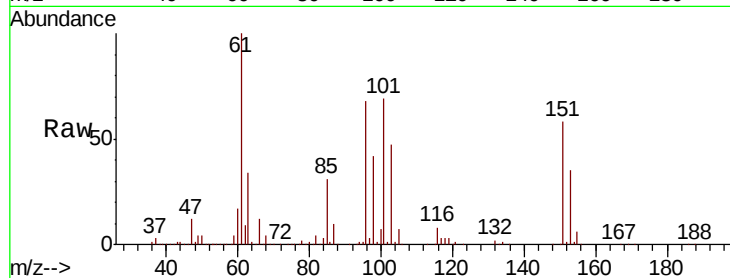
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	327624
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.2	51.4
151	81.7	65.0	97.6

Manual Integrations
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MMDadoda
8/23/2018 9:39:59 AM



#10

Methyl Iodide

Concen: 110.03 ug/l

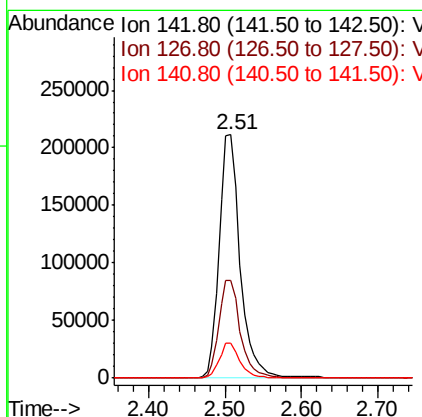
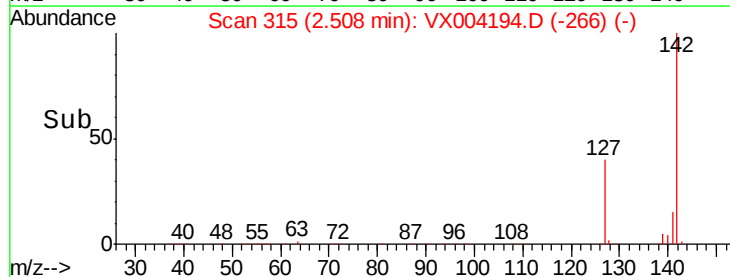
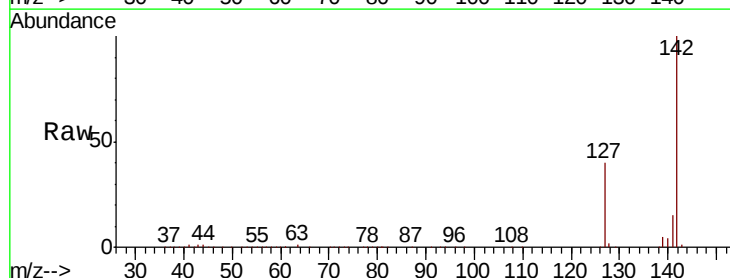
RT: 2.51 min Scan# 315

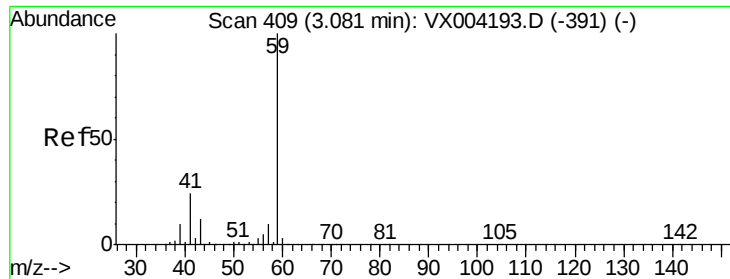
Delta R.T. -0.00 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Tgt Ion:	142	Resp:	403011
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.8	50.6
141	14.3	11.4	17.0





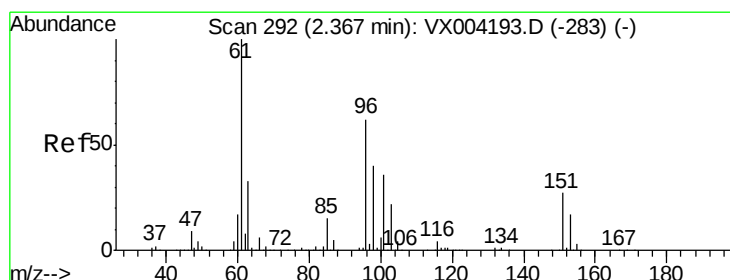
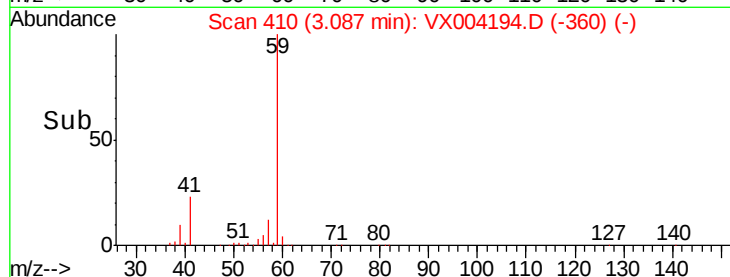
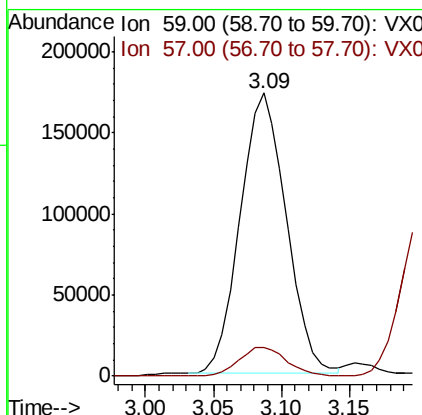
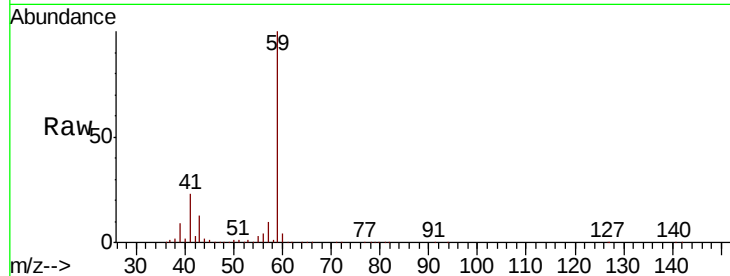
#11
Tert butyl alcohol
Concen: 466.14 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.4

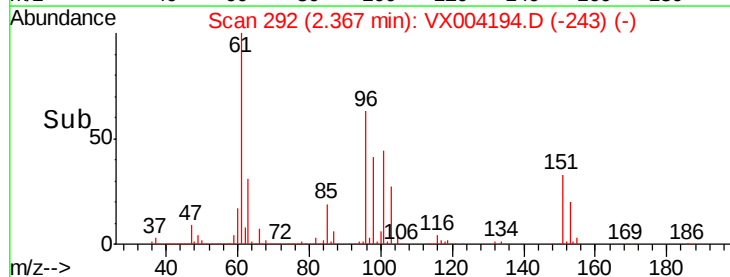
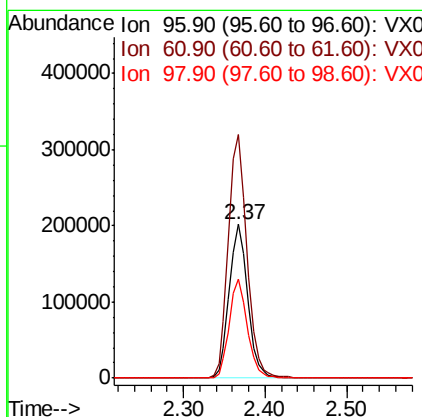
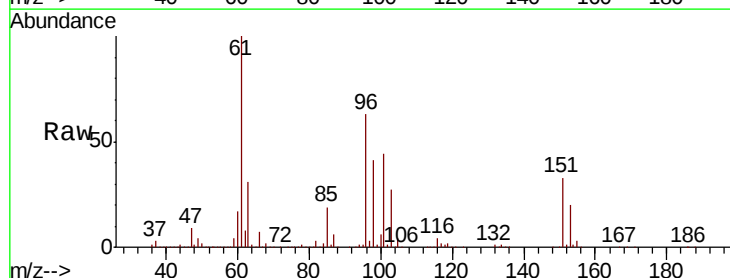
Manual Integrations
APPROVED

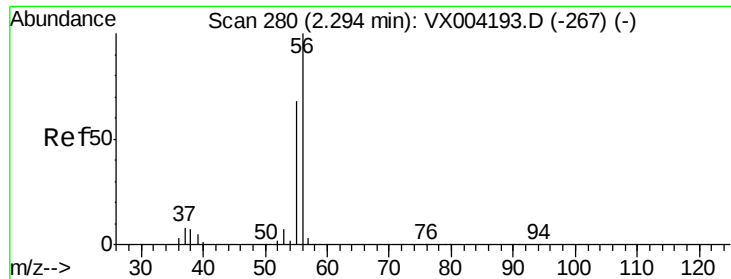
MMDadoda
8/23/2018 9:39:59 AM



#12
1,1-Dichloroethene
Concen: 93.54 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.2	128.8	193.2
98	64.5	52.2	78.2





#13

Acrolein

Concen: 492.77 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 104564

Ion Ratio Lower Upper

56 100

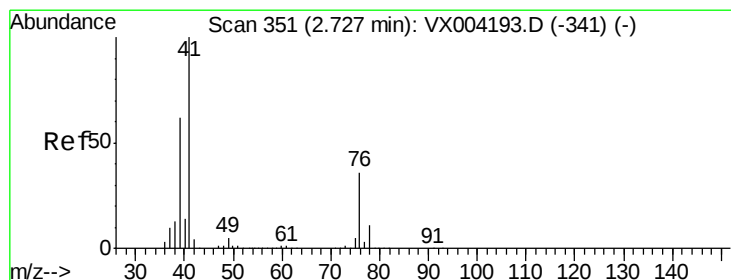
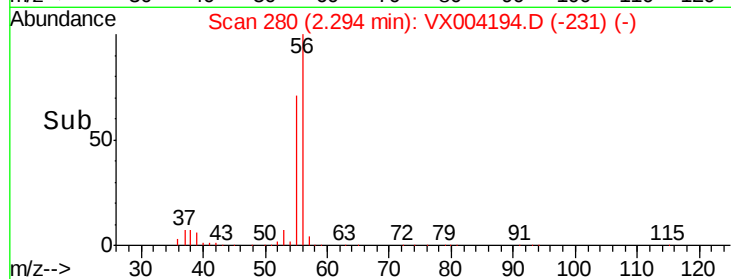
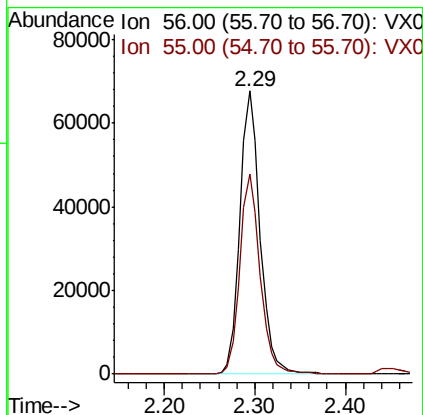
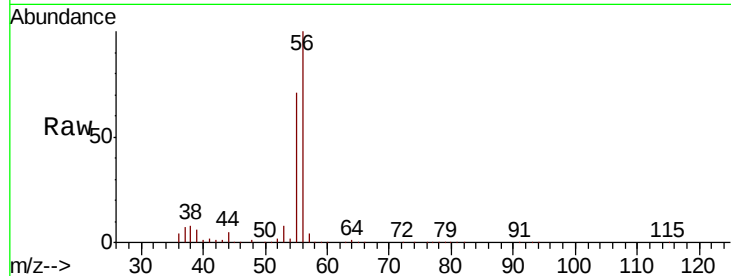
55 71.0 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 97.14 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

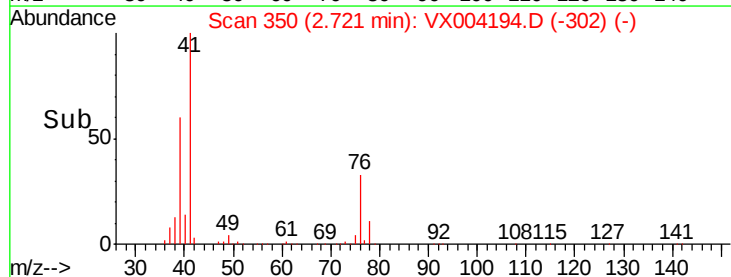
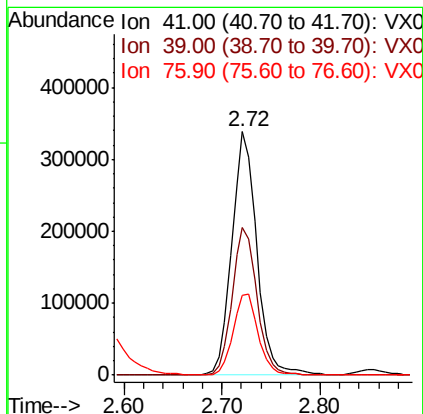
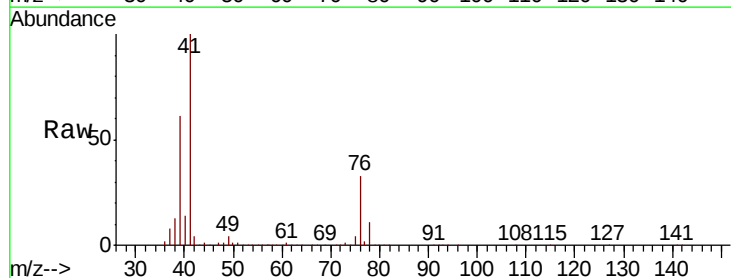
Tgt Ion: 41 Resp: 598999

Ion Ratio Lower Upper

41 100

39 60.2 48.9 73.3

76 33.4 26.7 40.1





#15

Acrylonitrile

Concen: 464.83 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

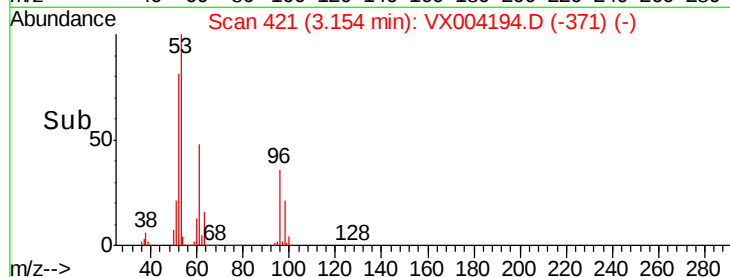
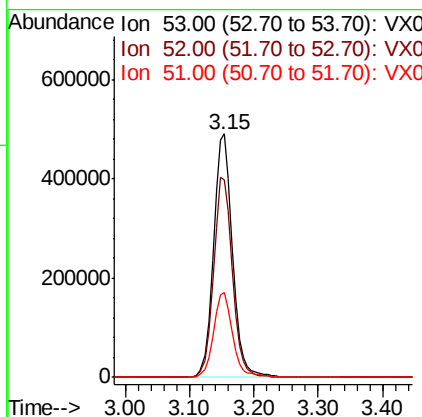
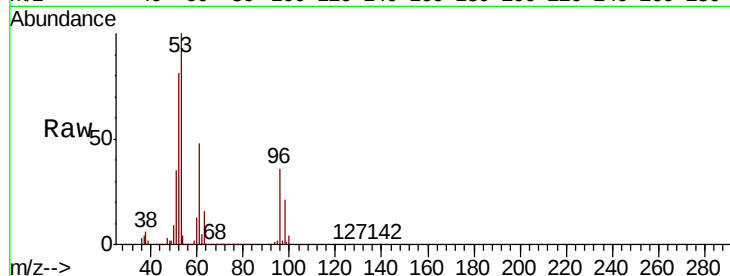
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	1013214
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.2	97.8
51	35.2	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 413.03 ug/l

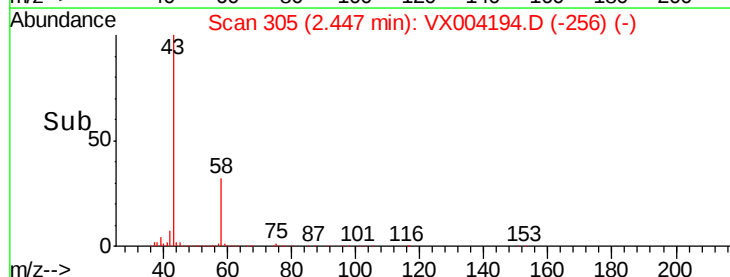
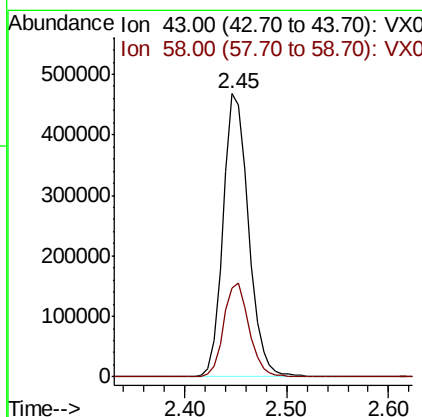
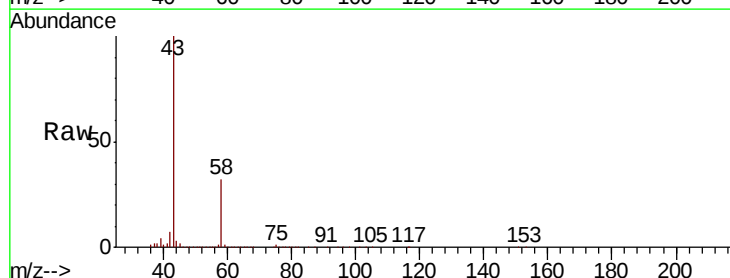
RT: 2.45 min Scan# 305

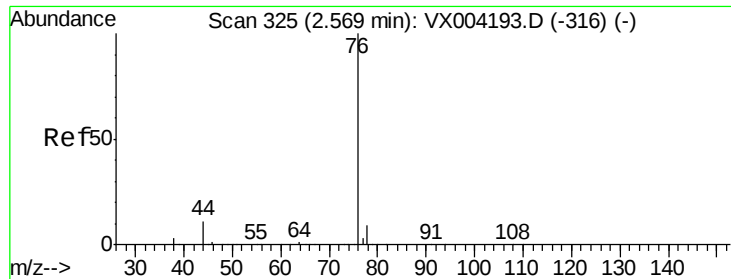
Delta R.T. -0.00 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Tgt Ion:	43	Resp:	810215
Ion	Ratio	Lower	Upper
43	100		
58	31.6	26.2	39.4





#17

Carbon Disulfide

Concen: 92.39 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 911682

Ion Ratio Lower Upper

76 100

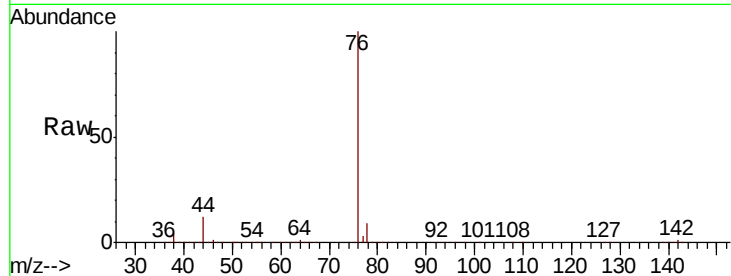
78 9.2 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

500000

400000

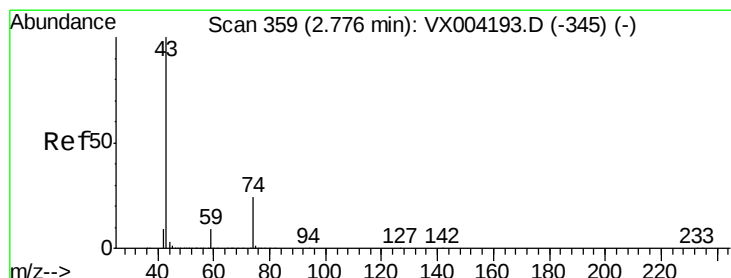
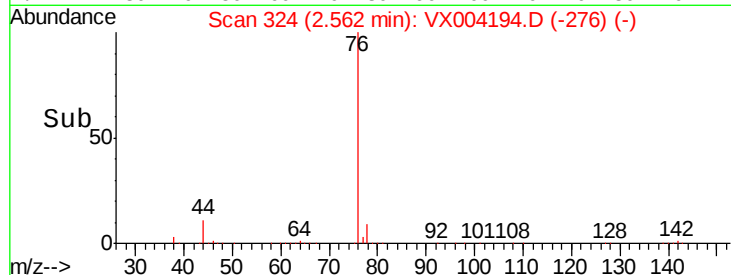
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 95.56 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.00 min

Lab File: VX004194.D

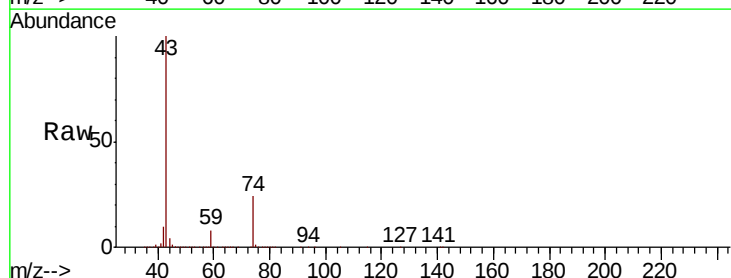
Acq: 22 Aug 2018 12:08

Tgt Ion: 43 Resp: 585517

Ion Ratio Lower Upper

43 100

74 23.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

400000

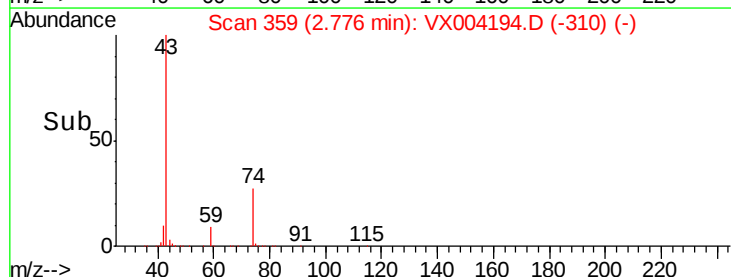
300000

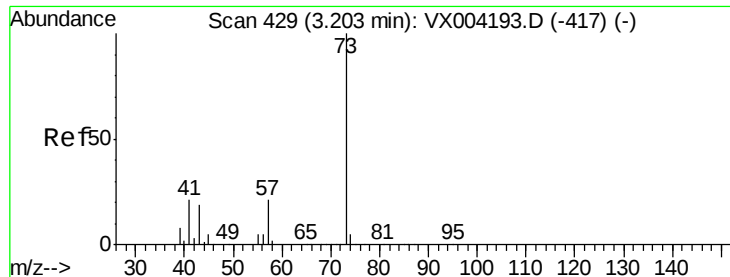
200000

100000

0

Time-->





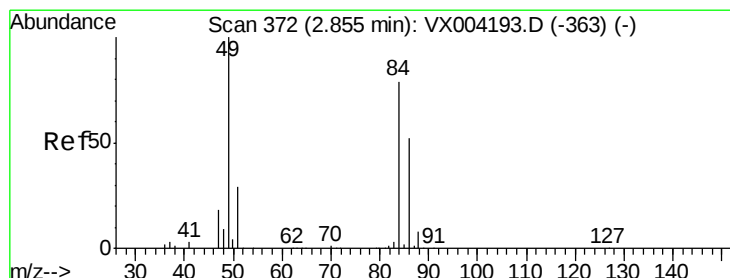
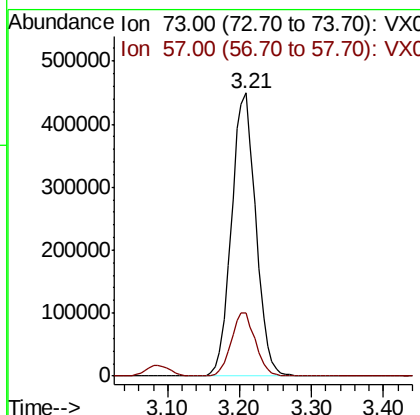
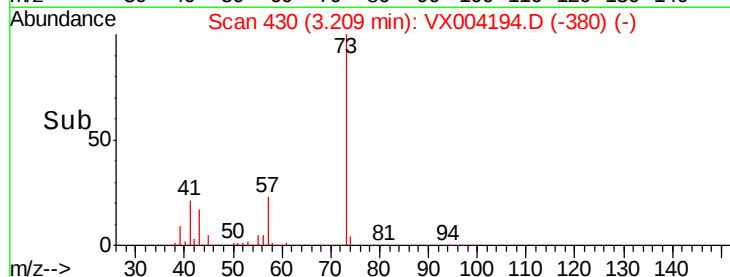
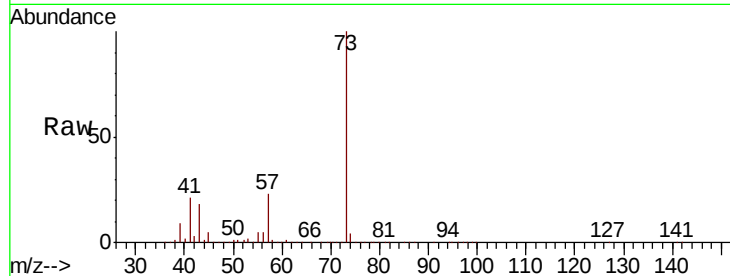
#19
Methvl tert-butvl Ether
Concen: 95.26 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.01 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 73 Resp: 1053609
Ion Ratio Lower Upper
73 100
57 22.5 17.1 25.7

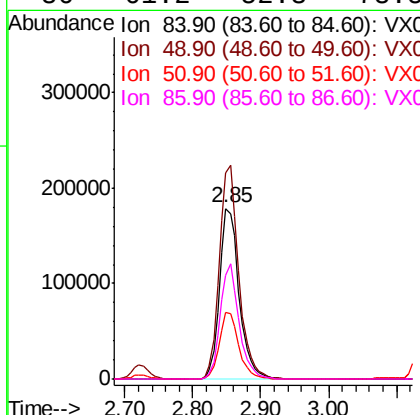
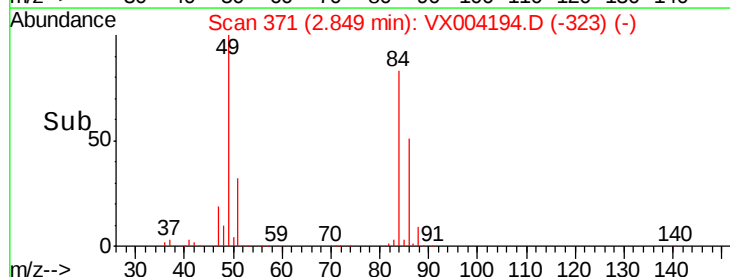
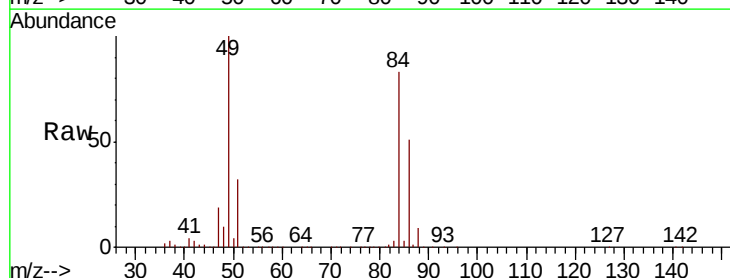
Manual Integrations
APPROVED

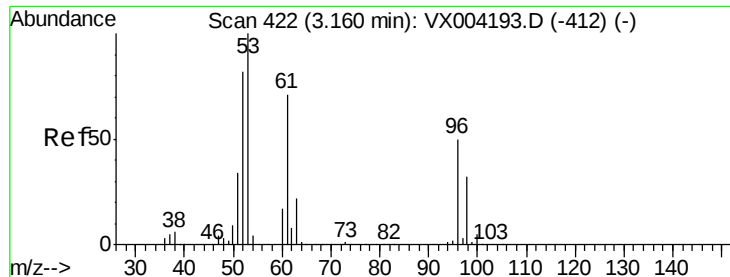
MMDadoda
8/23/2018 9:39:59 AM



#20
Methylene Chloride
Concen: 89.70 ug/l
RT: 2.85 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Tgt Ion: 84 Resp: 356536
Ion Ratio Lower Upper
84 100
49 121.2 101.2 151.8
51 38.9 29.5 44.3
86 61.2 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 91.22 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

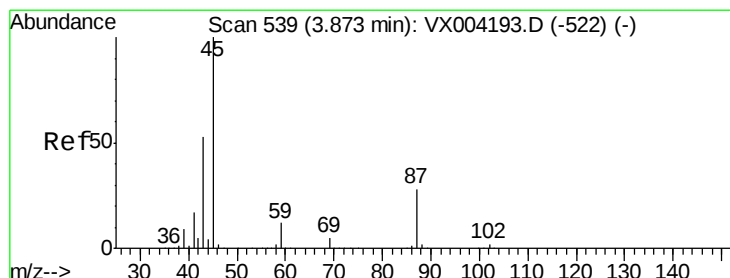
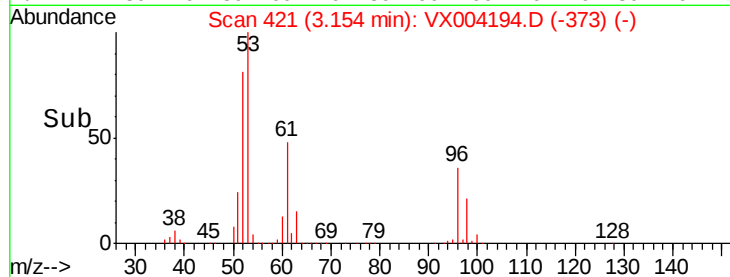
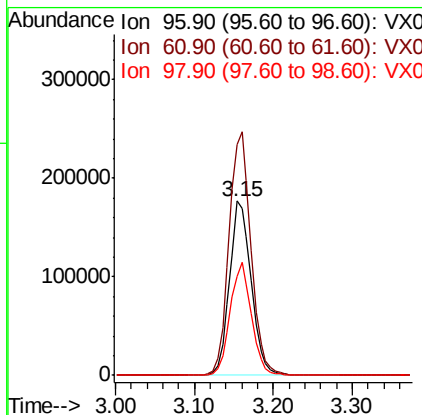
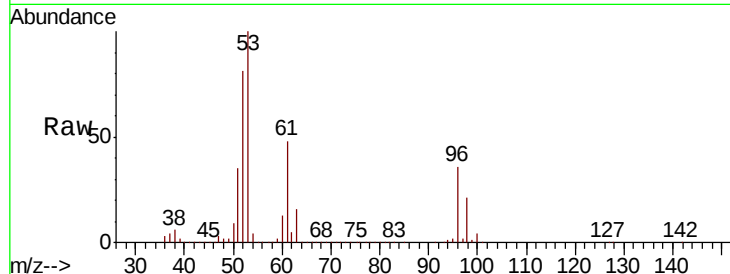
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	338848
Ion	Ratio	Lower	Upper
96	100		
61	132.4	113.8	170.6
98	57.2	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 95.15 ug/l

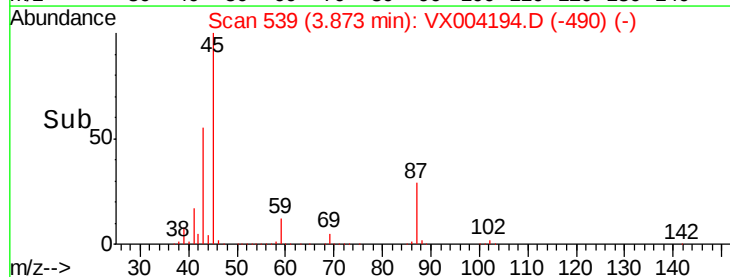
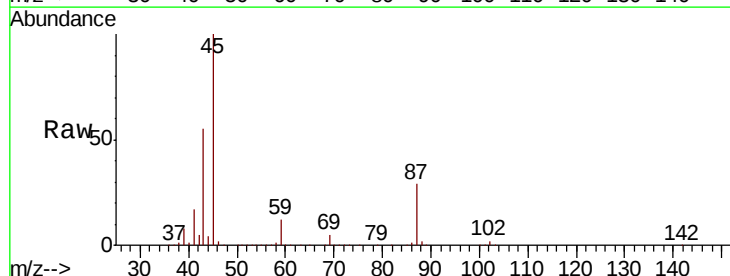
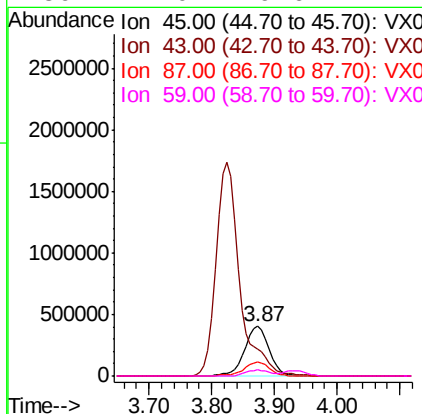
RT: 3.87 min Scan# 539

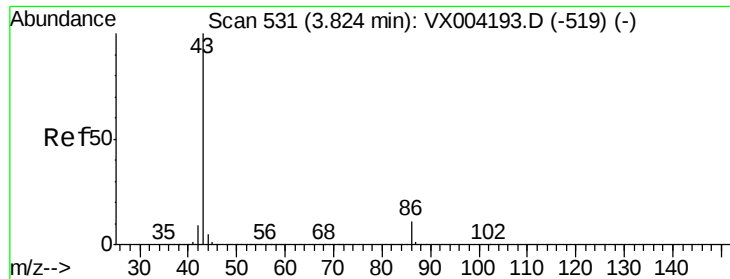
Delta R.T. -0.00 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Tgt Ion:	45	Resp:	1095453
Ion	Ratio	Lower	Upper
45	100		
43	54.7	42.8	64.2
87	29.3	22.6	34.0
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 486.84 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4542739

Ion Ratio Lower Upper

43 100

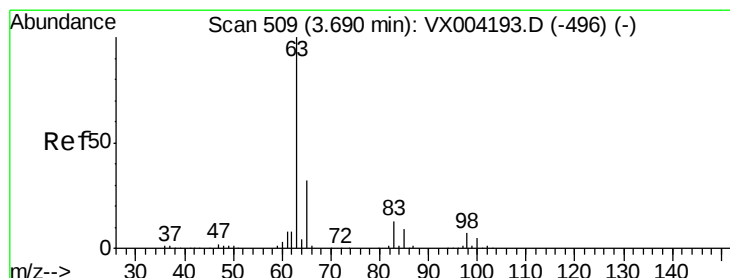
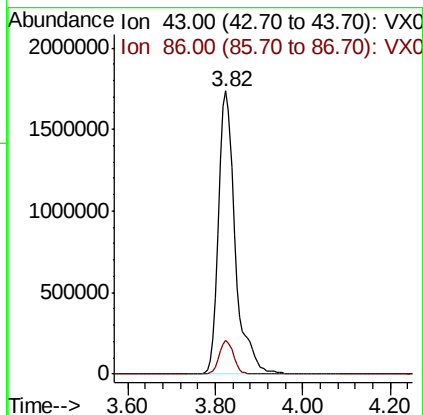
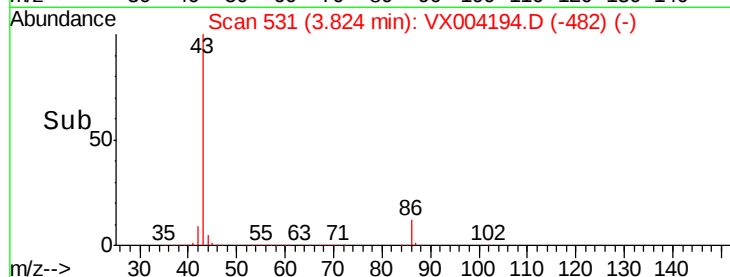
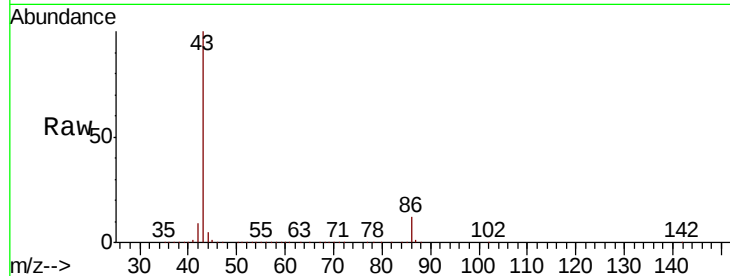
86 12.1 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 93.75 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.00 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

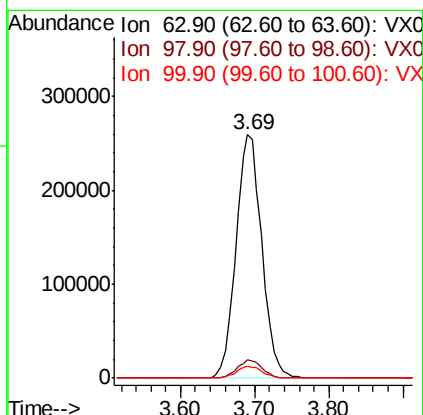
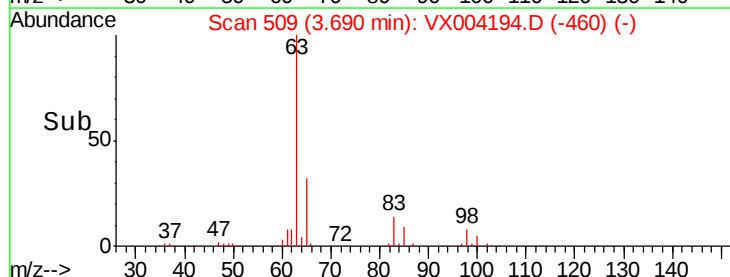
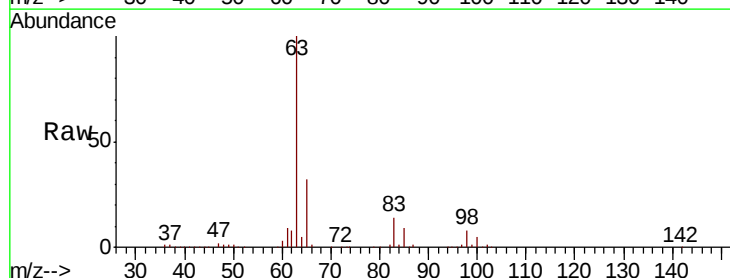
Tgt Ion: 63 Resp: 629017

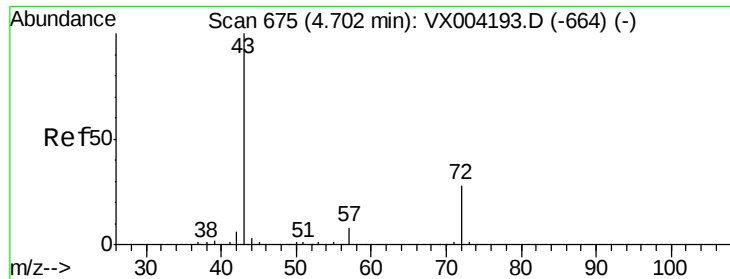
Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.4

100 4.9 2.4 7.1





#25

2-Butanone

Concen: 438.52 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1343634

Ion Ratio Lower Upper

43 100

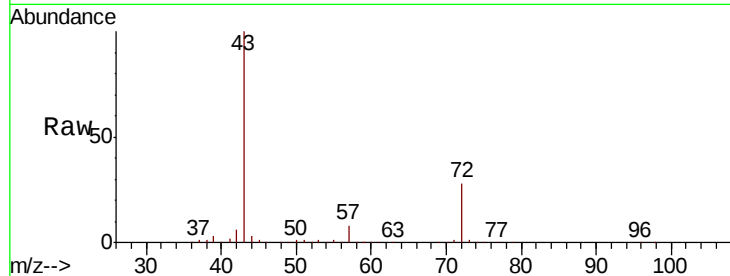
72 27.7 22.0 33.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

500000

400000

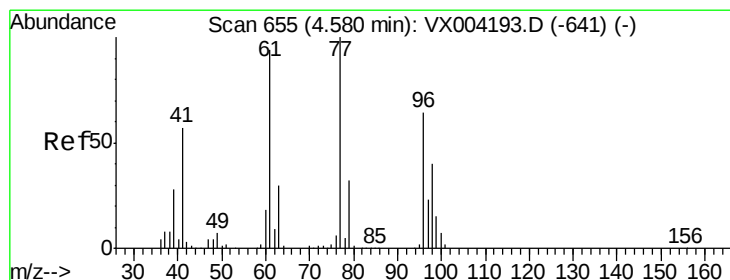
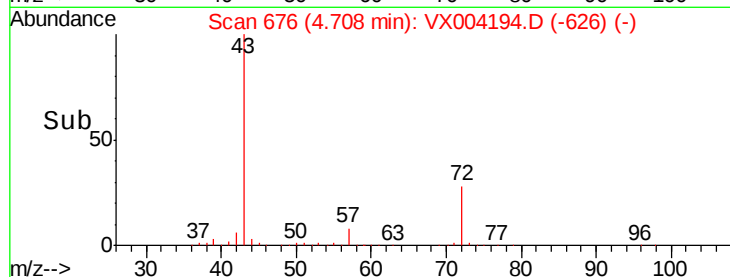
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 95.72 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004194.D

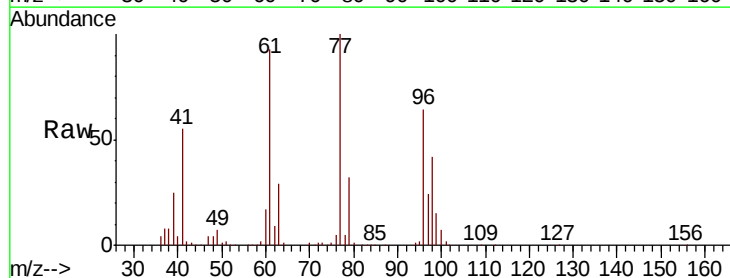
Acq: 22 Aug 2018 12:08

Tgt Ion: 77 Resp: 503738

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

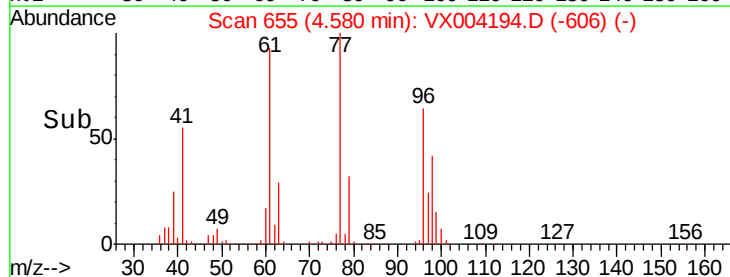
150000

100000

50000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 94.59 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

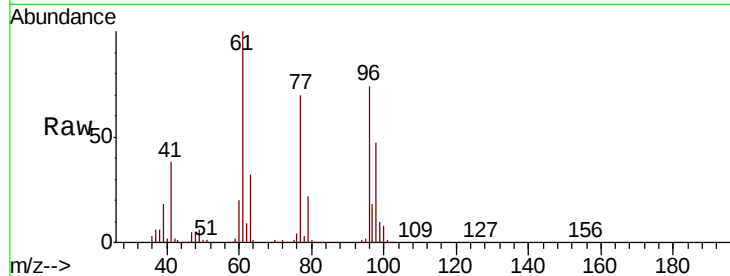
ClientSampleId :

VSTDIC100

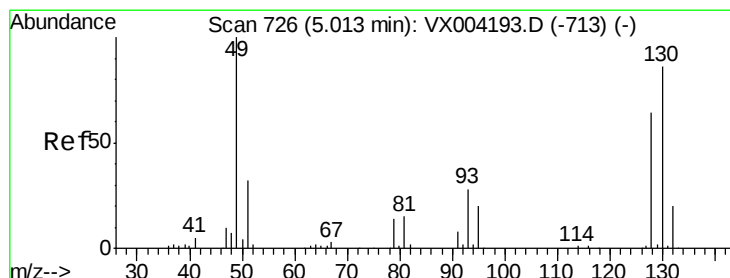
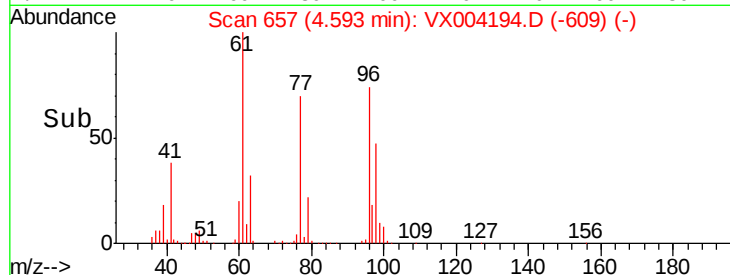
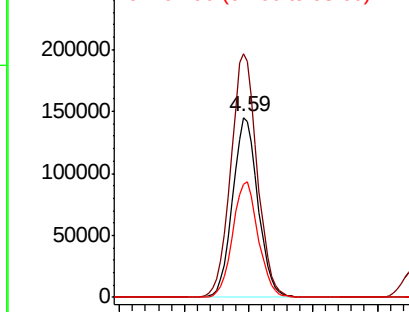
Tot Ion:	96	Resp:	398514
Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	282.6
98	64.9	0.0	130.2

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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 97.41 ug/l

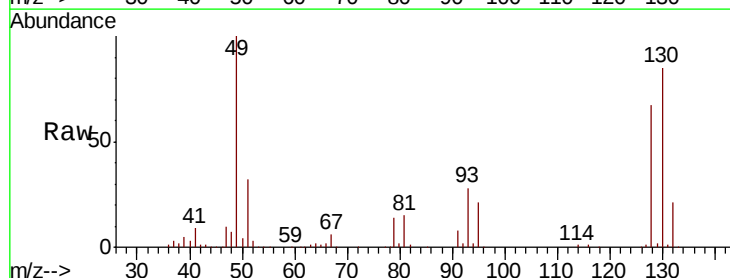
RT: 5.02 min Scan# 727

Delta R.T. 0.01 min

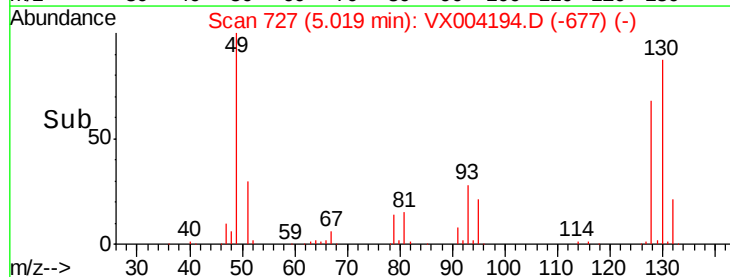
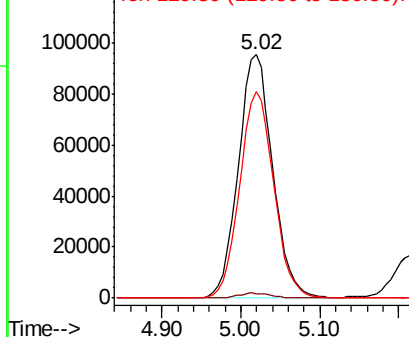
Lab File: VX004194.D

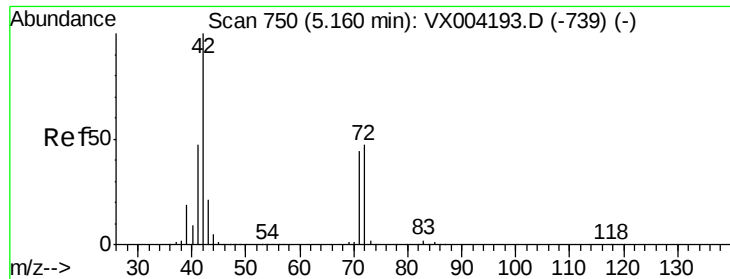
Acq: 22 Aug 2018 12:08

Tgt Ion:	49	Resp:	289364
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	84.1	67.5	101.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





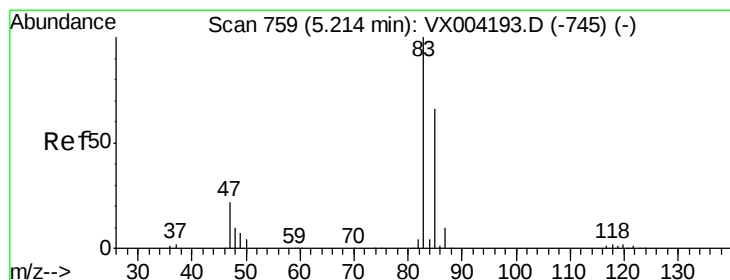
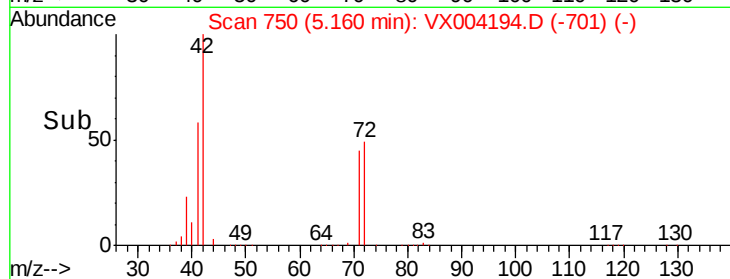
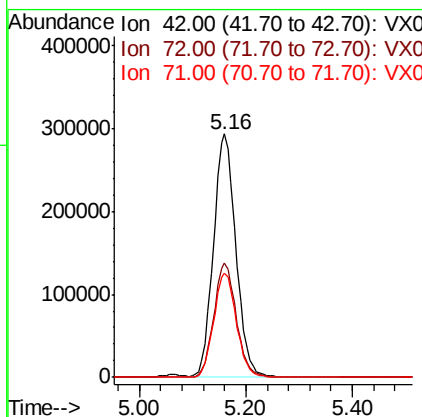
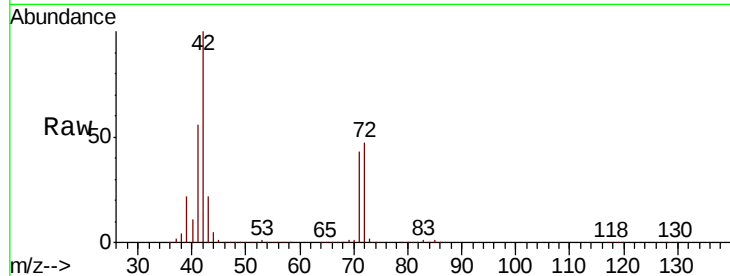
#29
Tetrahydrofuran
Concen: 483.96 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.4	56.0
71	43.4	34.5	51.7

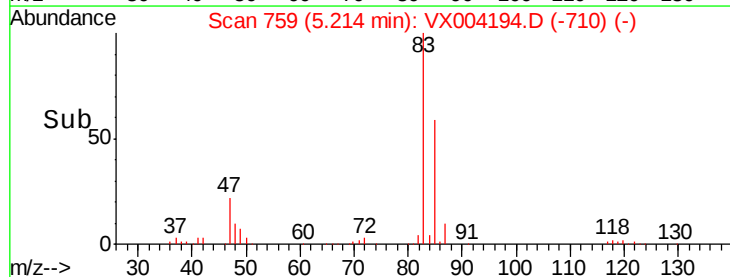
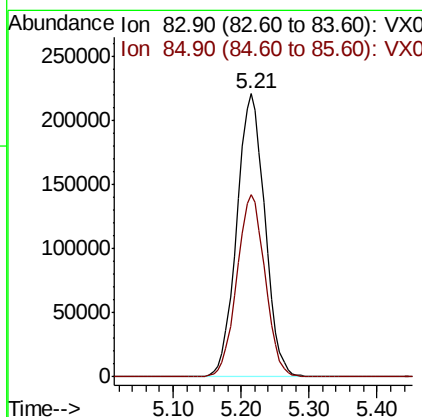
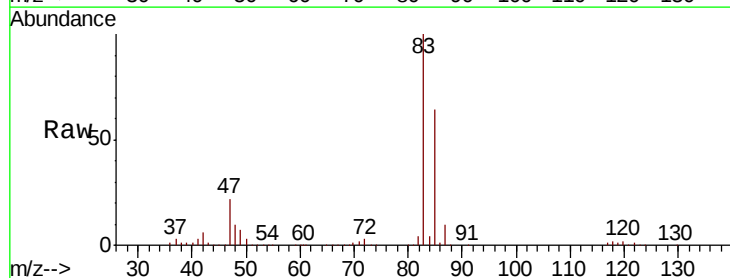
Manual Integrations
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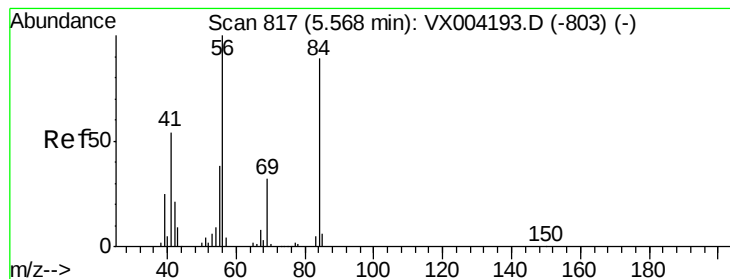
MMDadoda
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#30
Chloroform
Concen: 94.15 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.6	79.0





#31

Cyclohexane

Concen: 99.83 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 577909

Ion Ratio Lower Upper

56 100

69 30.4 25.4 38.2

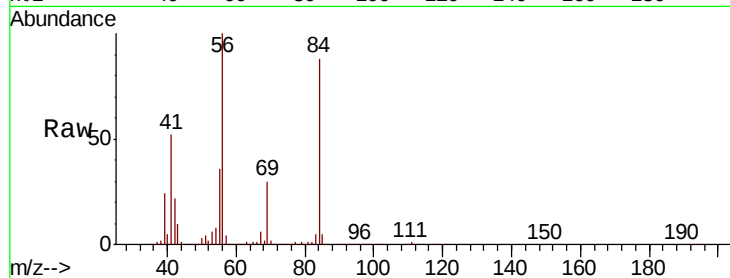
84 86.6 71.4 107.2

Manual Integrations

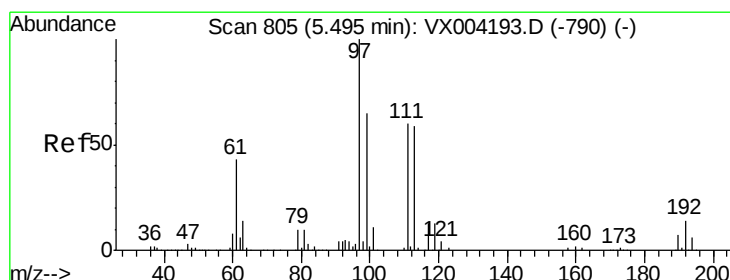
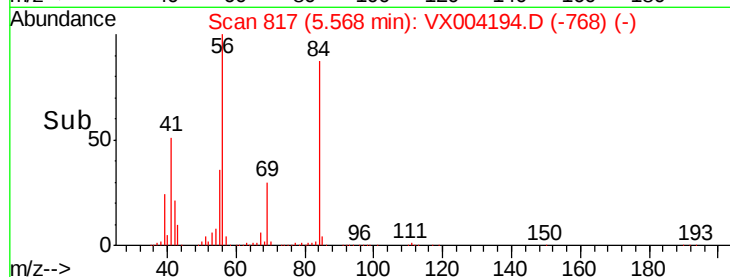
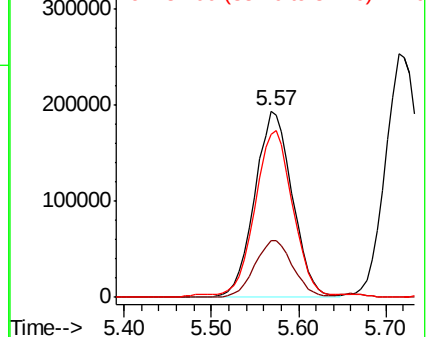
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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 97.74 ug/l

RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

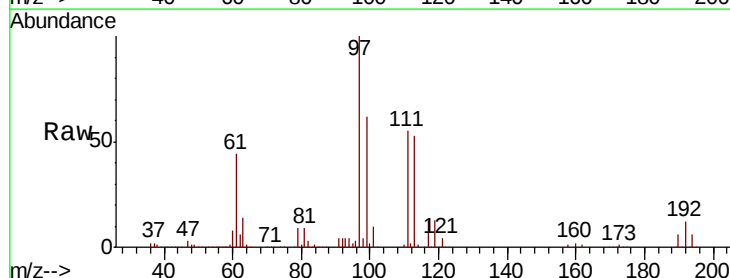
Tgt Ion: 97 Resp: 548259

Ion Ratio Lower Upper

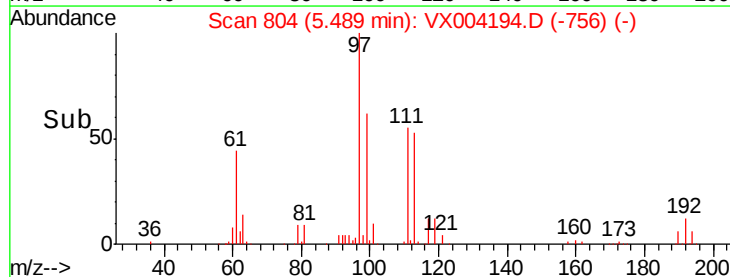
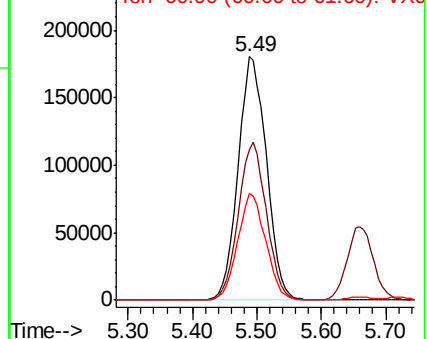
97 100

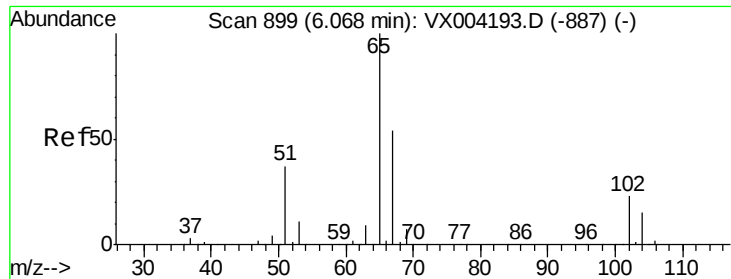
99 64.1 52.0 78.0

61 43.5 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





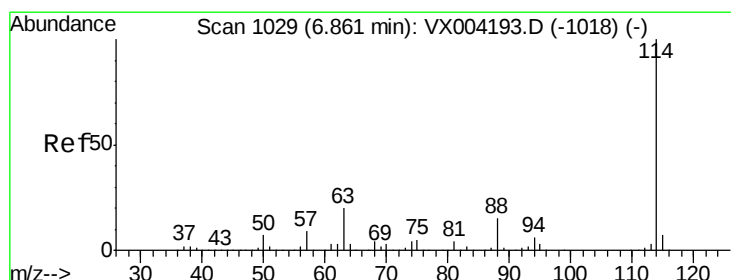
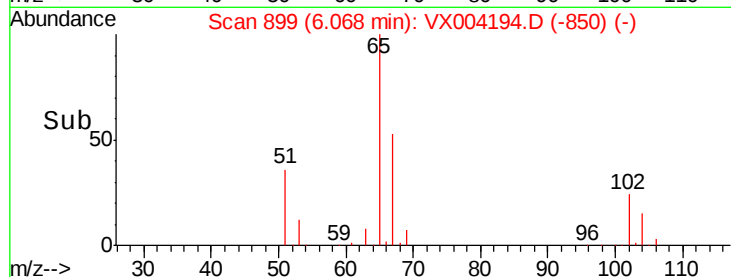
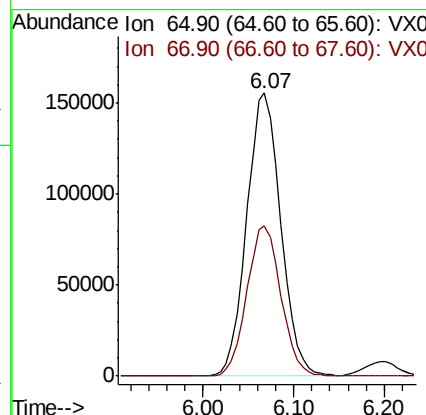
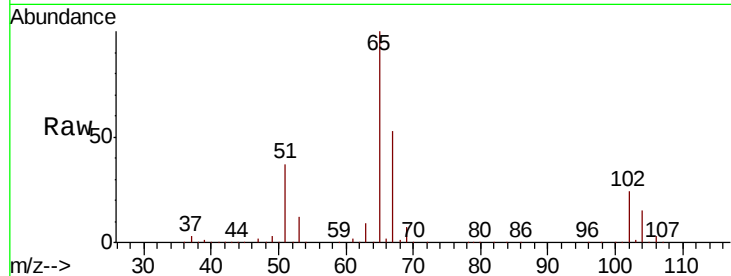
#33
 1,2-Dichloroethane-d4
 Concen: 97.87 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004194.D
 Acq: 22 Aug 2018 12:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	106.8

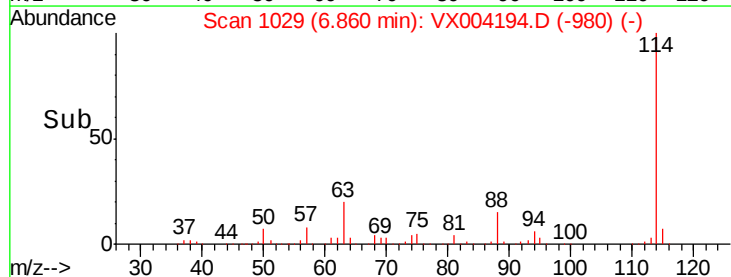
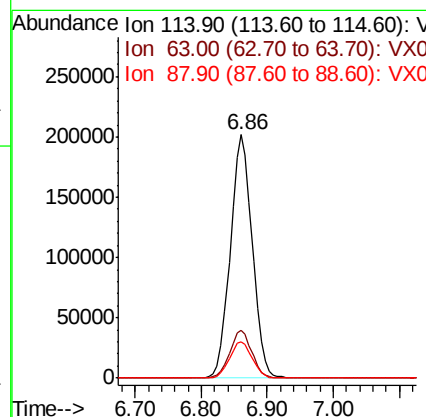
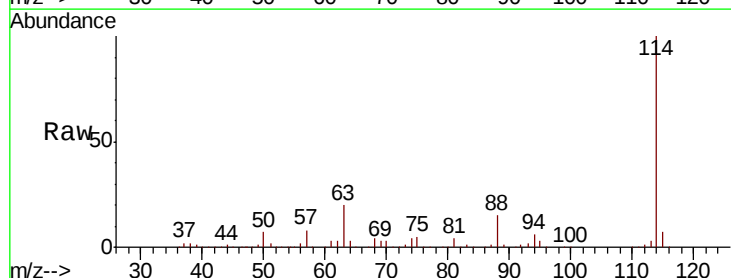
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004194.D
 Acq: 22 Aug 2018 12:08

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.0
88	15.1	0.0	30.4





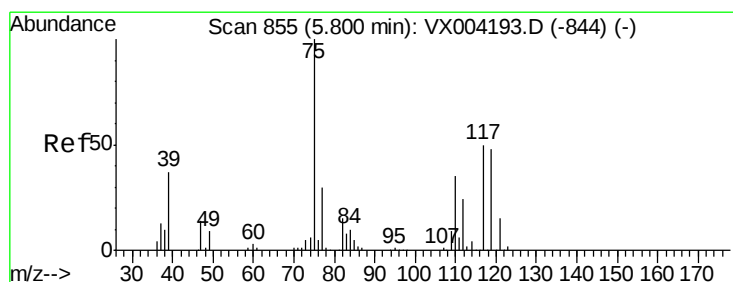
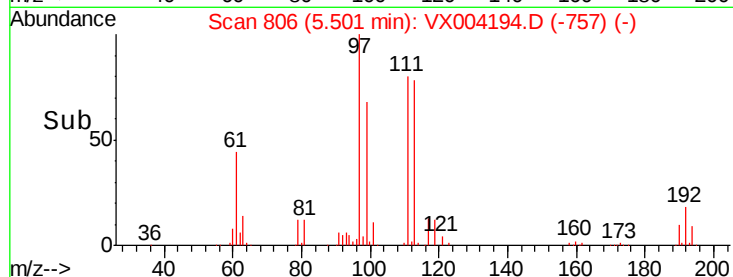
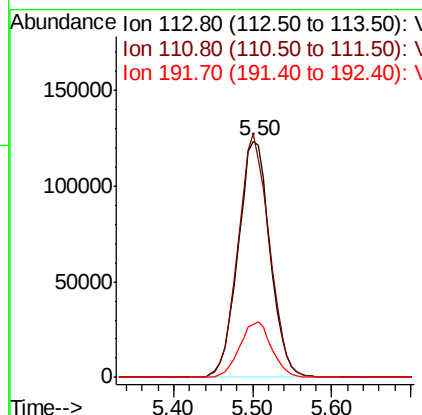
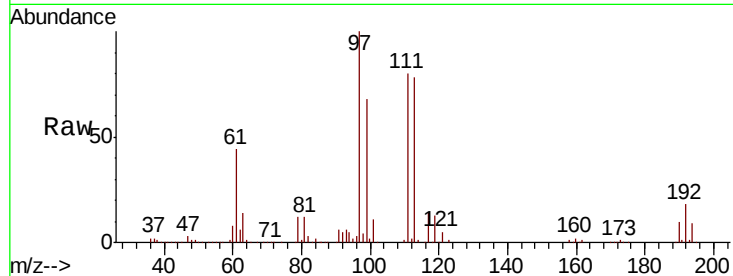
#35
 Dibromofluoromethane
 Concen: 100.82 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004194.D
 Acq: 22 Aug 2018 12:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	348239		
111	101.0	82.4	123.6	
192	23.5	19.4	29.2	

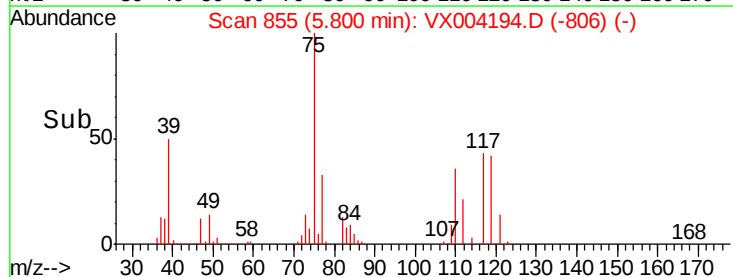
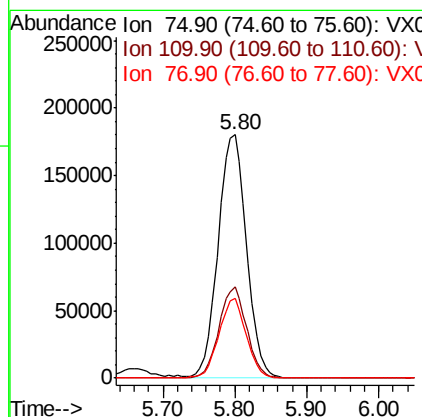
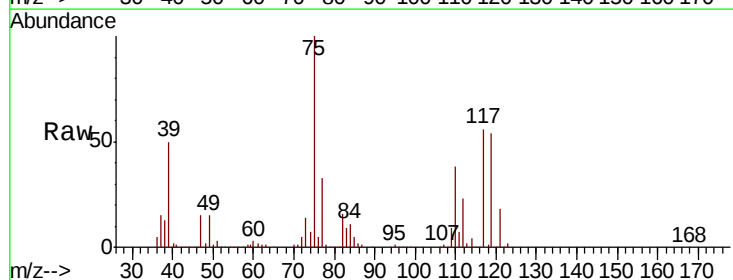
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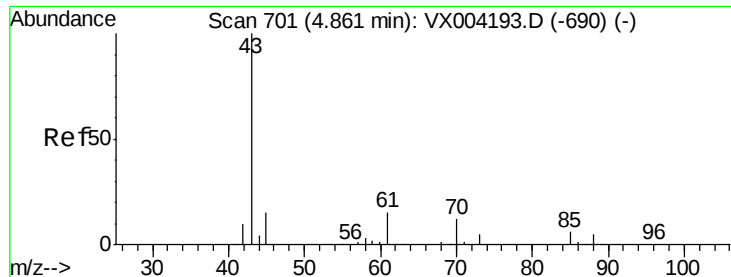
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#36
 1,1-Dichloropropene
 Concen: 94.36 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004194.D
 Acq: 22 Aug 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	492552		
110	36.6	18.0	54.0	
77	31.7	24.6	36.8	





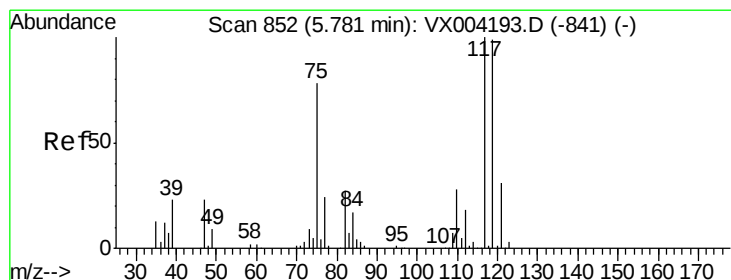
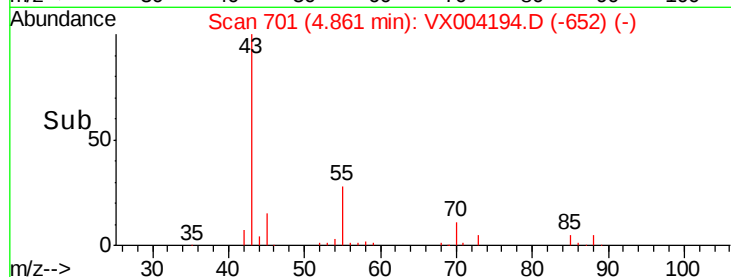
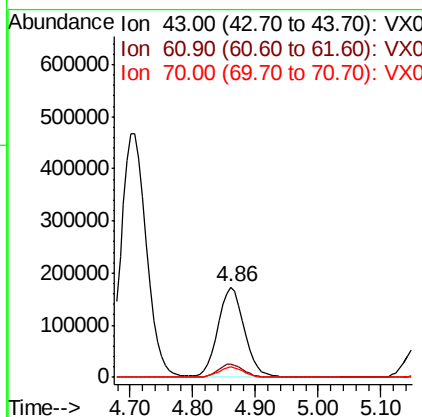
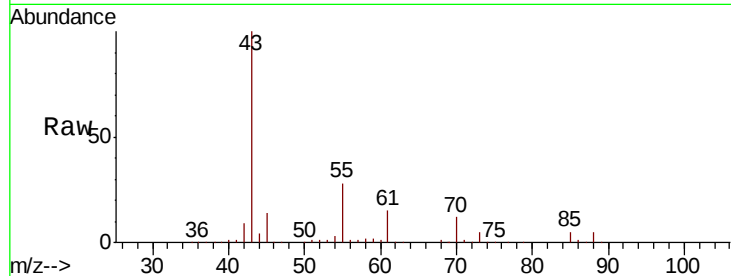
#37
Ethyl Acetate
Concen: 97.89 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	11.3	9.0	13.6

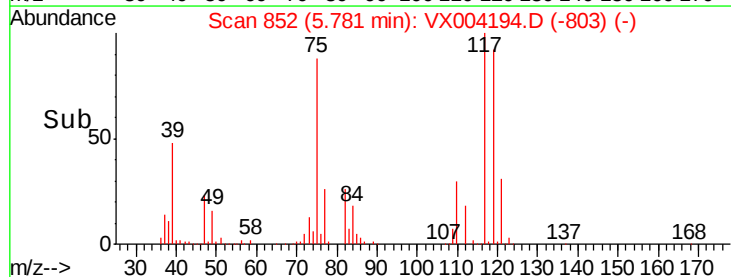
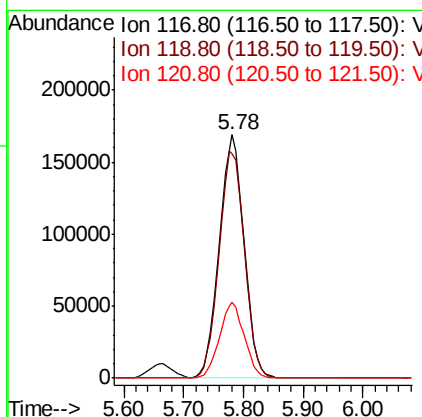
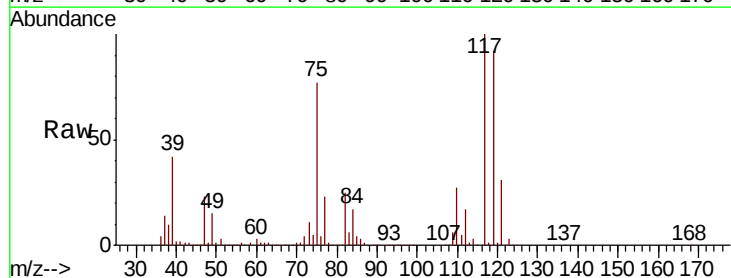
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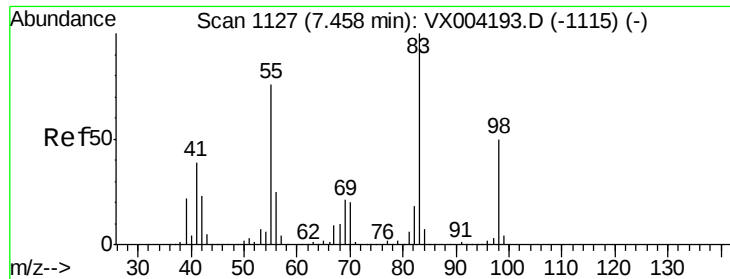
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#38
Carbon Tetrachloride
Concen: 99.32 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.0	78.8	118.2
121	31.0	24.9	37.3





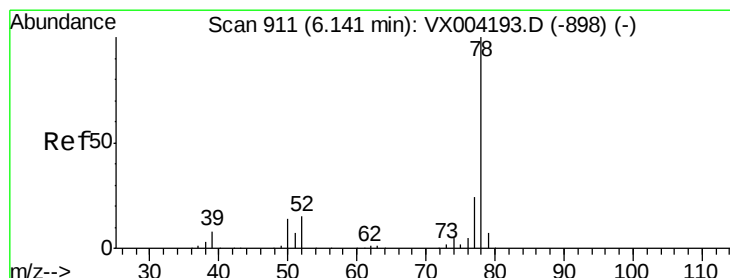
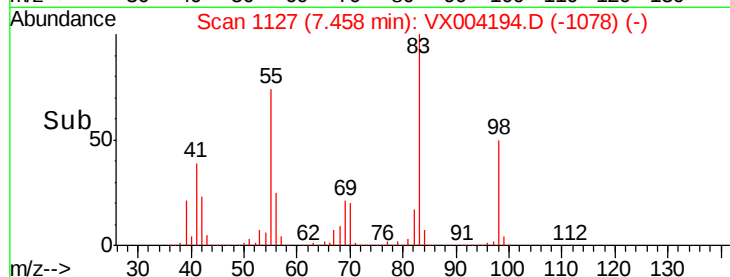
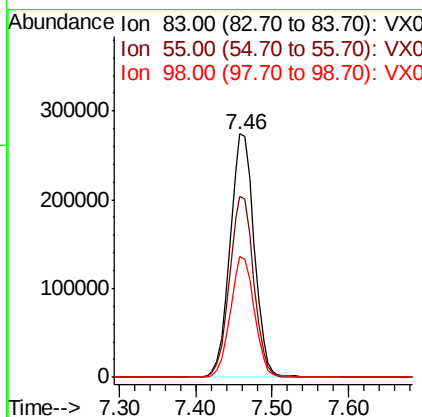
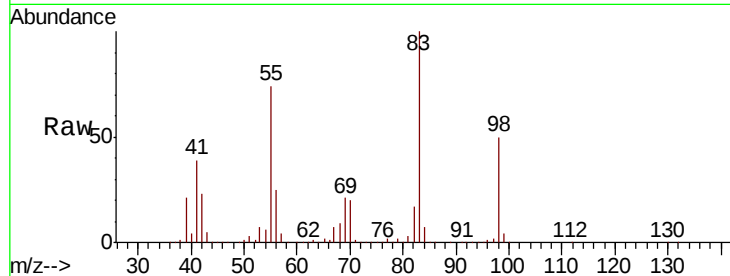
#39
Methvlcvclohexane
Concen: 100.65 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.2	61.0	91.4	
98	49.7	39.6	59.4	

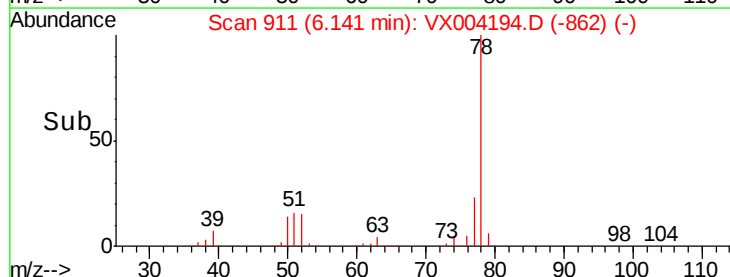
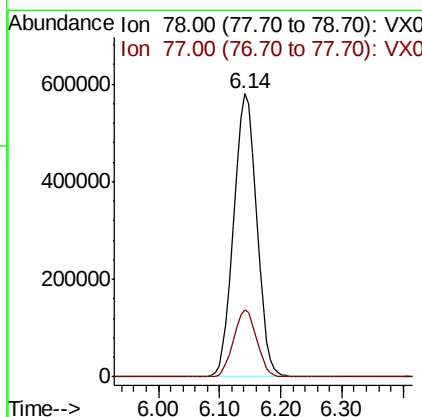
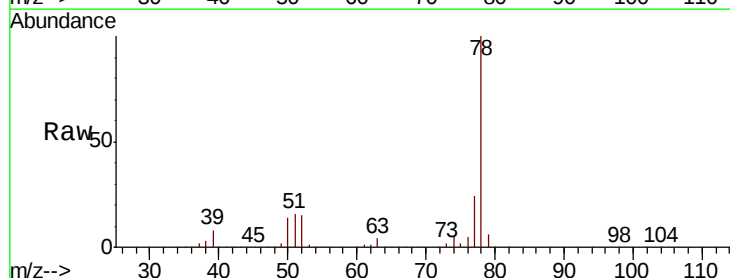
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#40
Benzene
Concen: 96.13 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.0	28.4	





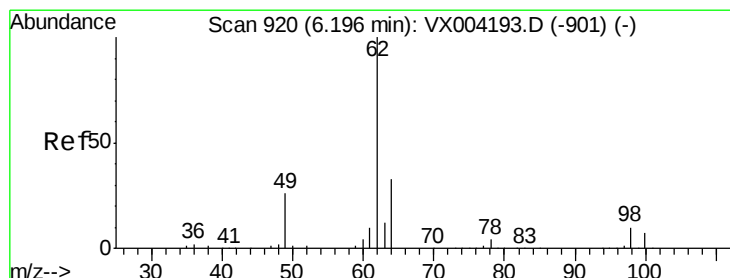
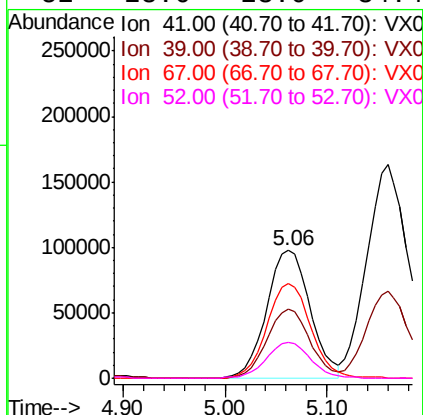
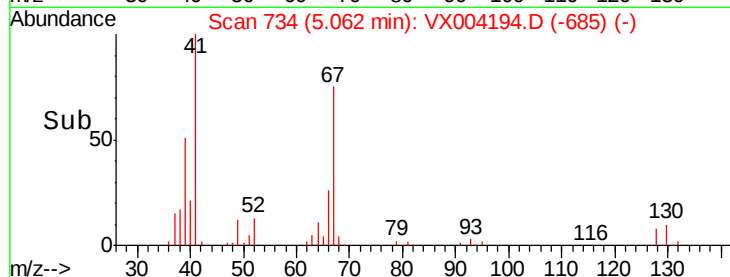
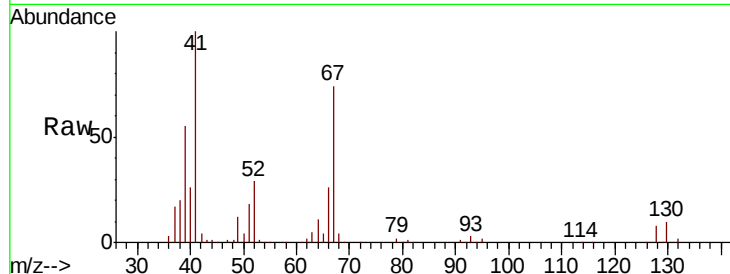
#41
Methacrylonitrile
Concen: 97.08 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
288879	41	100		
	39	53.5	42.4	63.6
	67	74.9	59.2	88.8
	52	28.6	23.0	34.4

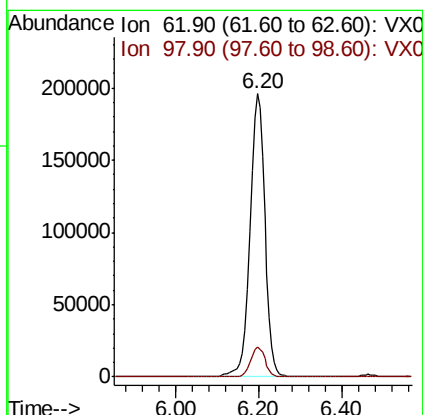
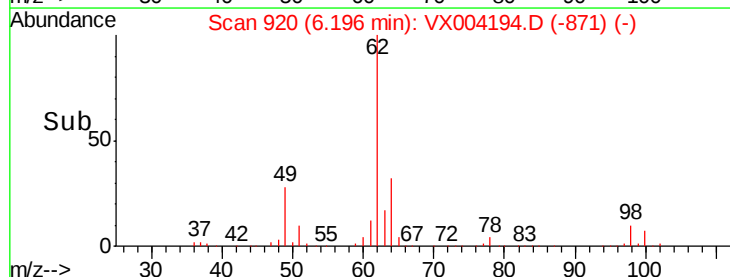
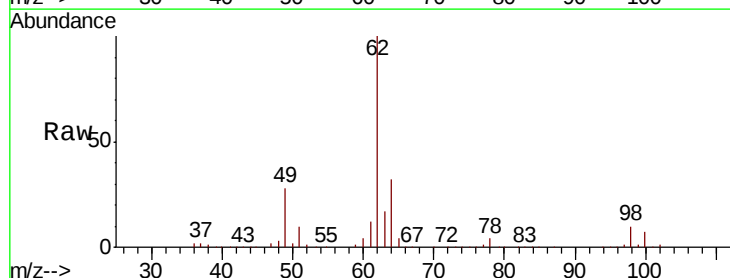
Manual Integrations
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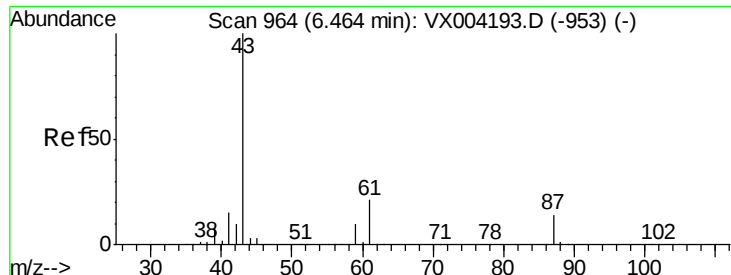
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#42
1,2-Dichloroethane
Concen: 94.14 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Tgt Ion	Ion	Ratio	Lower	Upper
500831	62	100		
	98	10.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 103.17 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

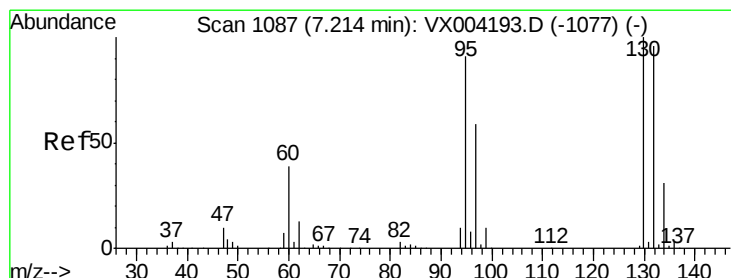
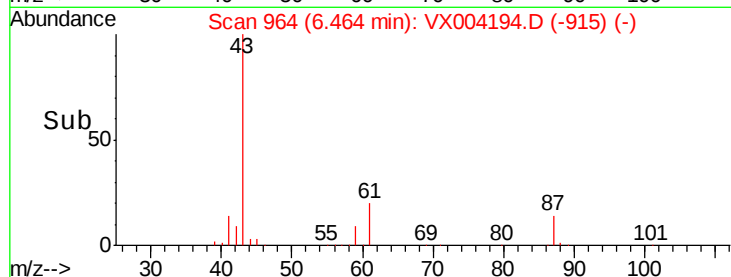
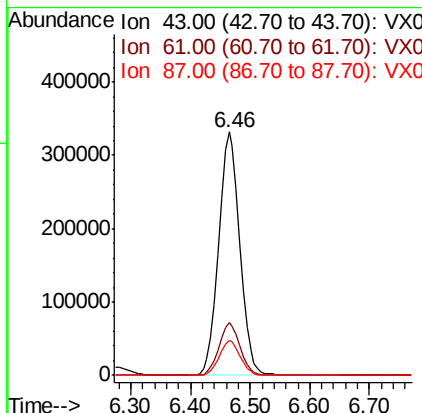
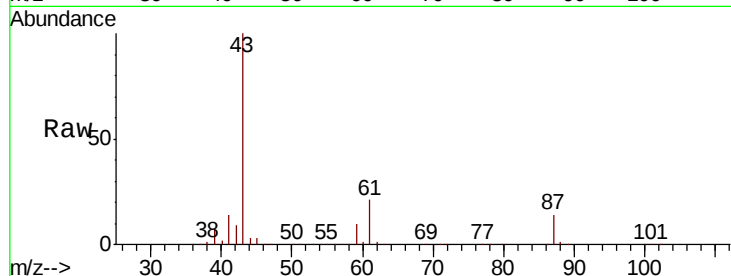
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	813811
Ion	Ratio	Lower	Upper
43	100		
61	21.5	17.0	25.4
87	14.2	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 93.68 ug/l

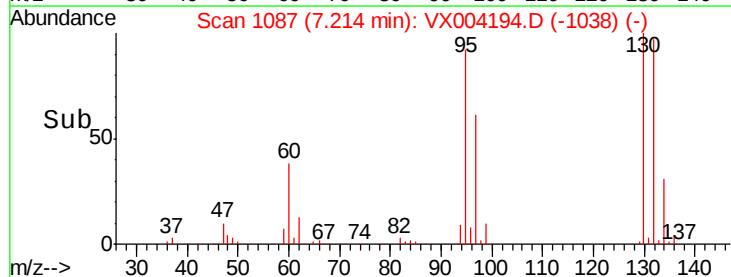
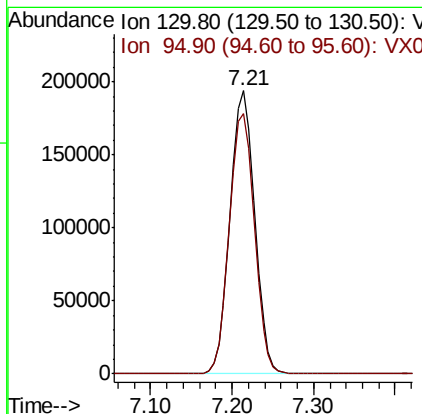
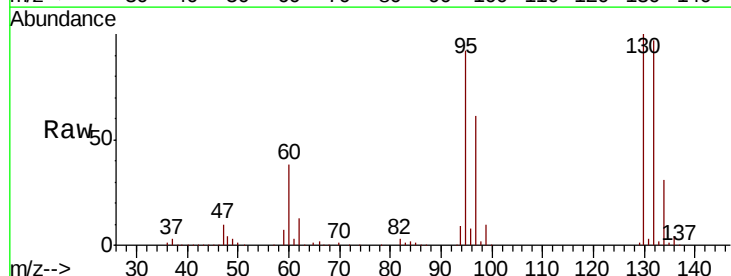
RT: 7.21 min Scan# 1087

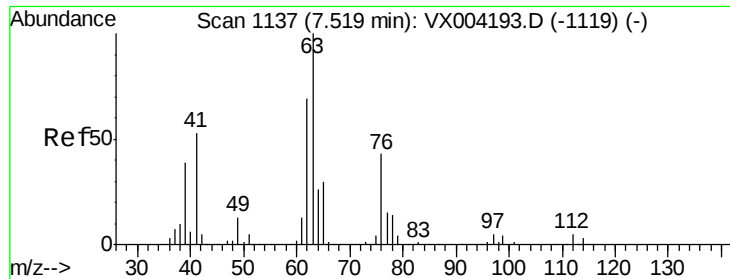
Delta R.T. -0.00 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Tgt Ion:	130	Resp:	404427
Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	181.6





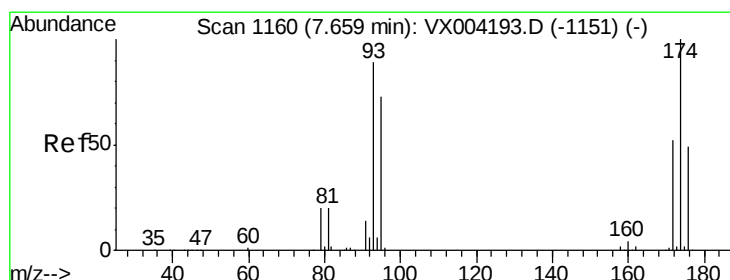
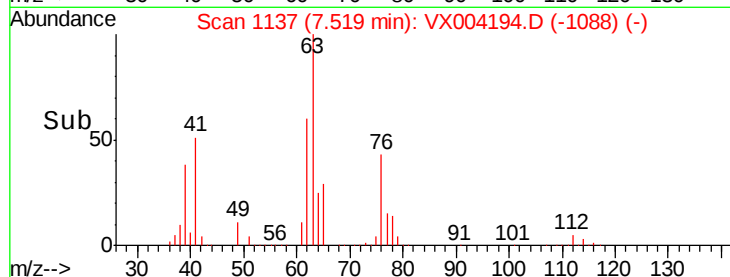
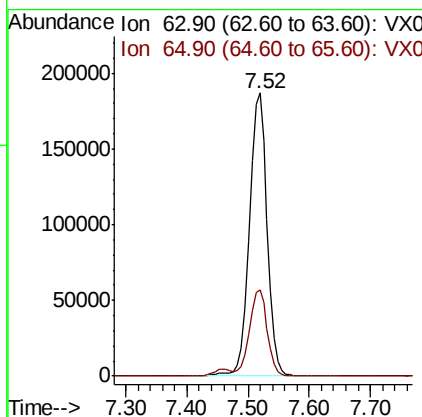
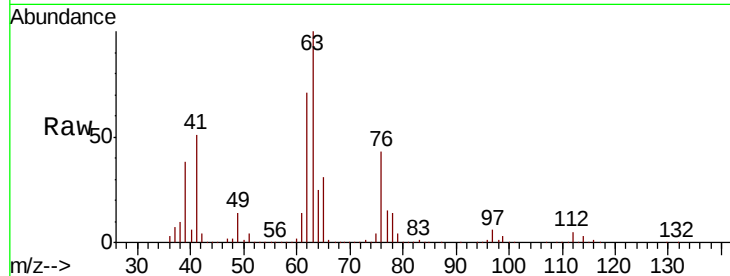
#45
 1,2-Dichloropropane
 Concen: 97.47 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004194.D
 Acq: 22 Aug 2018 12:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.3	36.5

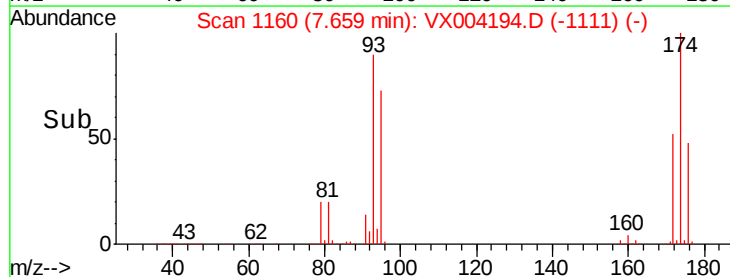
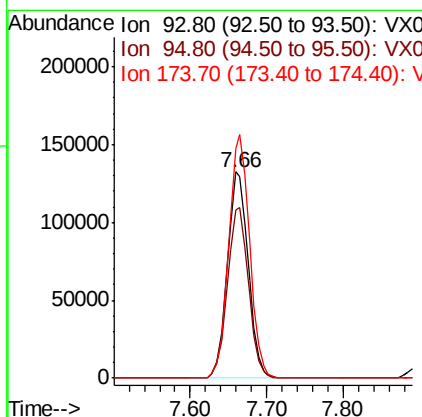
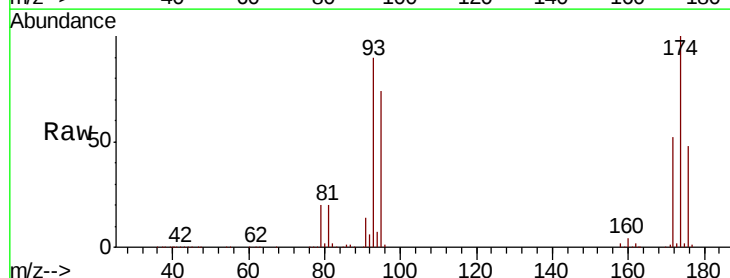
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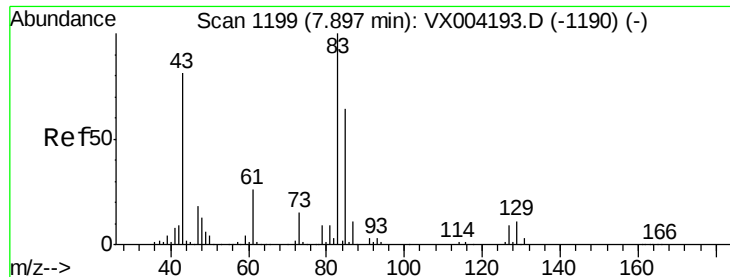
MMDadoda
 8/23/2018 9:39:59 AM



#46
 Dibromomethane
 Concen: 95.99 ug/l
 RT: 7.66 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: VX004194.D
 Acq: 22 Aug 2018 12:08

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.5	98.3
174	117.7	94.2	141.4





#47

Bromodichloromethane

Concen: 101.24 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

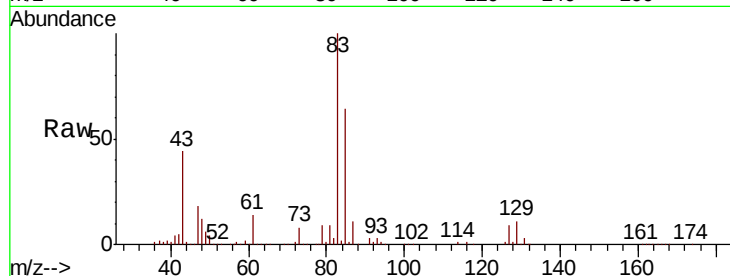
ClientSampleId :

VSTDIC100

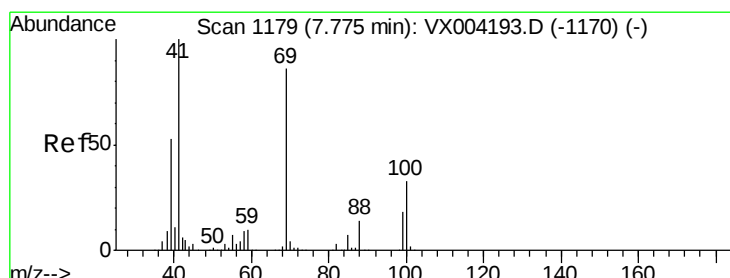
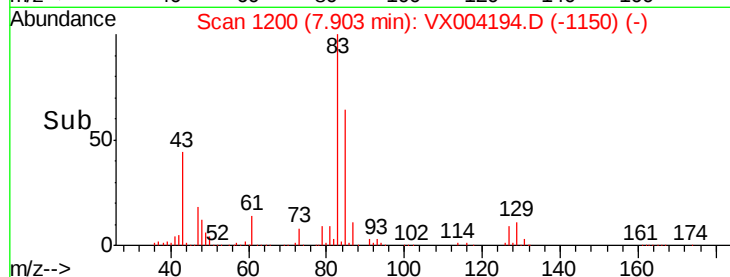
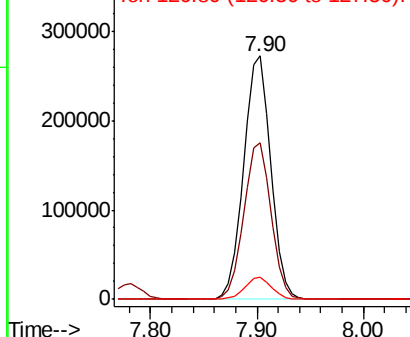
Tot Ion:	83	Resp:	489629
Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.9	76.3
127	9.0	7.3	10.9

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 104.32 ug/l

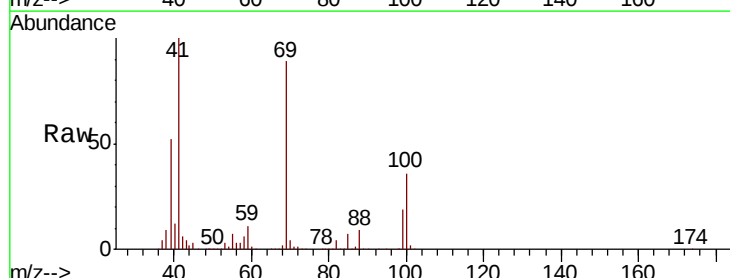
RT: 7.78 min Scan# 1180

Delta R.T. 0.01 min

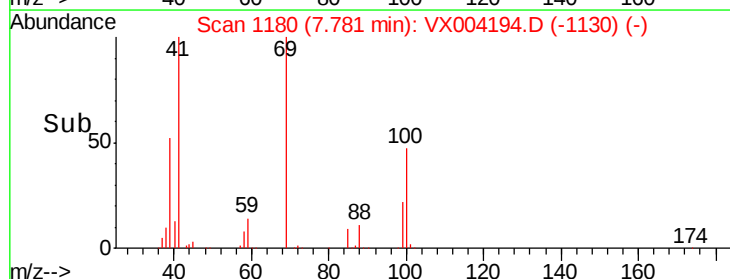
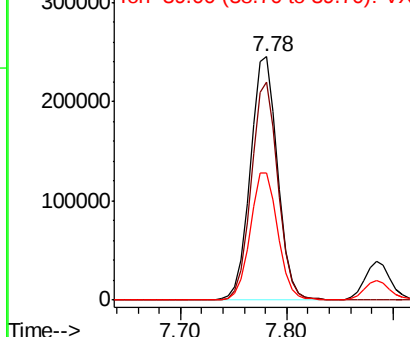
Lab File: VX004194.D

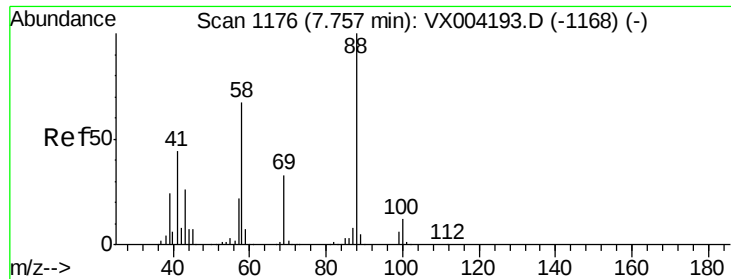
Acq: 22 Aug 2018 12:08

Tgt Ion:	41	Resp:	440316
Ion	Ratio	Lower	Upper
41	100		
69	87.9	70.2	105.4
39	53.1	42.7	64.1



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





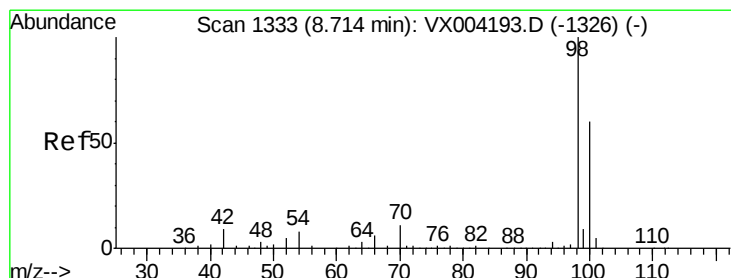
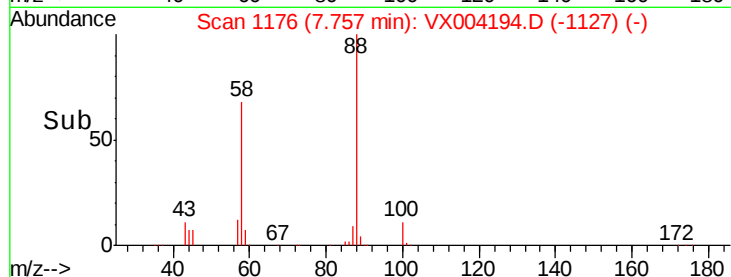
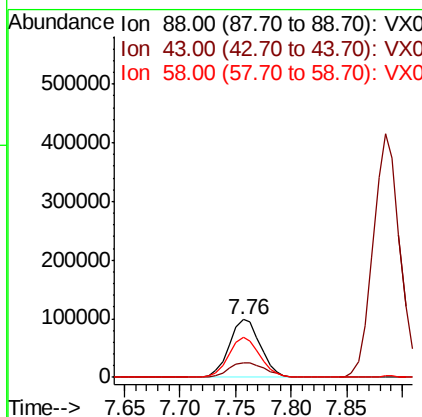
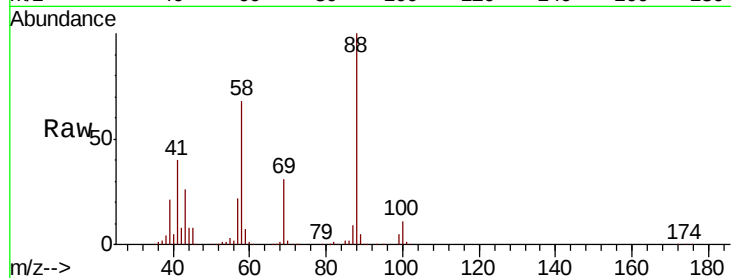
#49
 1,4-Dioxane
 Concen: 2001.76 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VX004194.D
 Acq: 22 Aug 2018 12:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.0	24.7	37.1
58	69.0	55.3	82.9

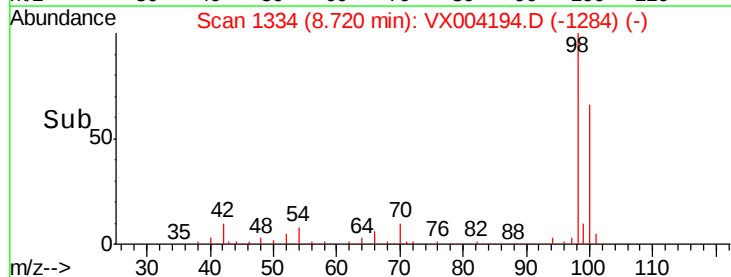
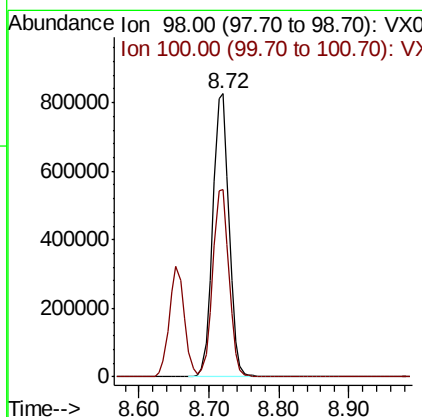
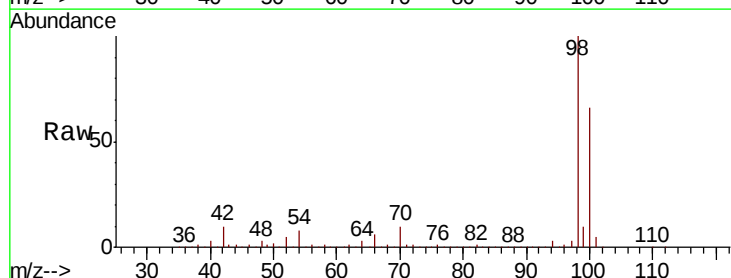
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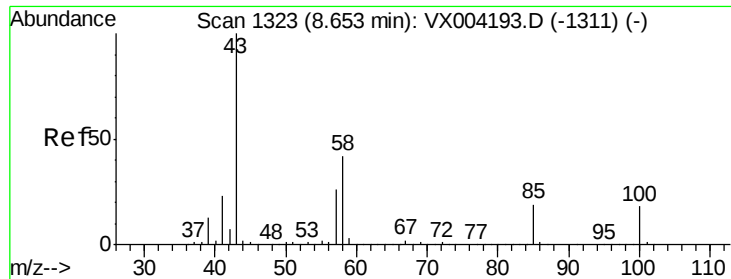
MMDadoda
 8/23/2018 9:39:59 AM



#50
 Toluene-d8
 Concen: 102.14 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: VX004194.D
 Acq: 22 Aug 2018 12:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 476.41 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2730442

Ion Ratio Lower Upper

43 100

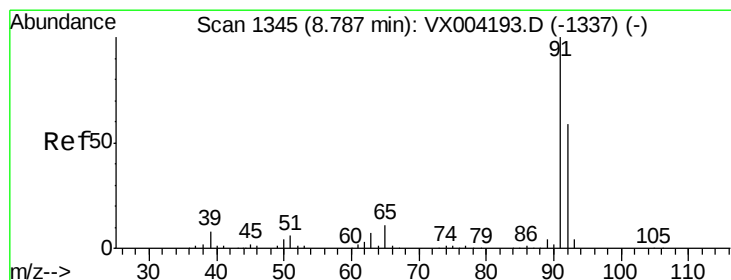
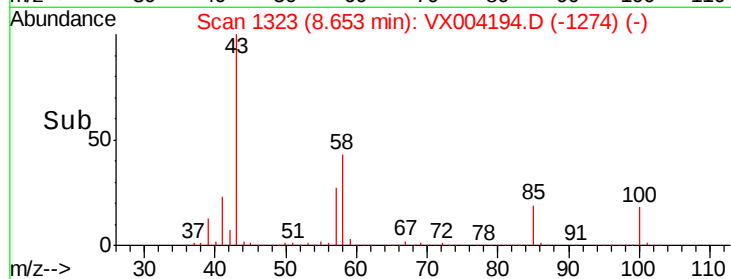
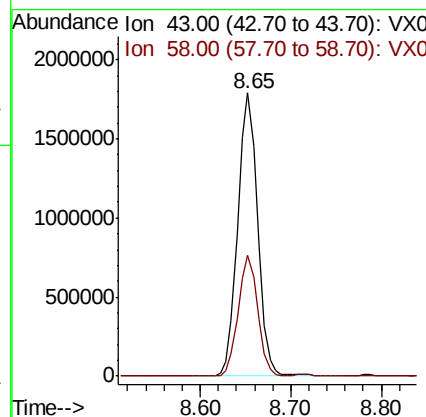
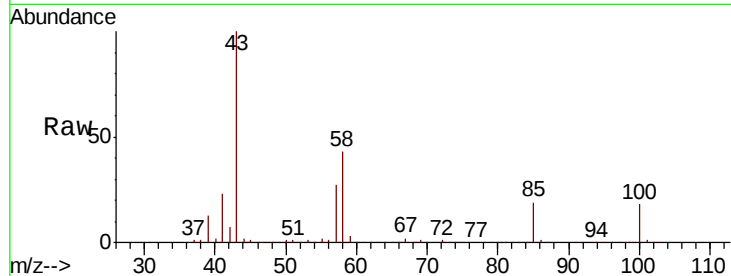
58 41.8 33.1 49.7

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#52

Toluene

Concen: 98.72 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004194.D

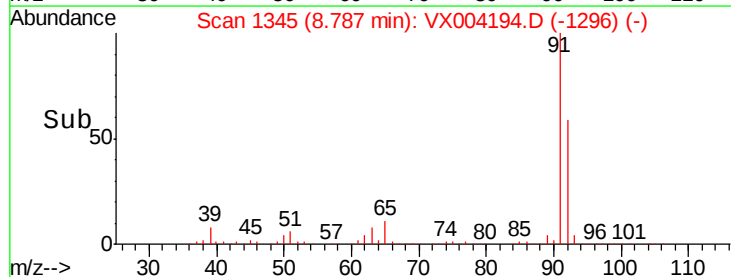
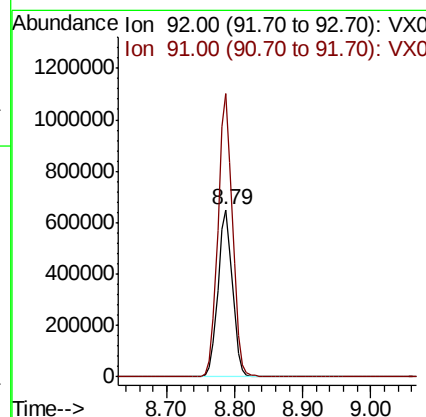
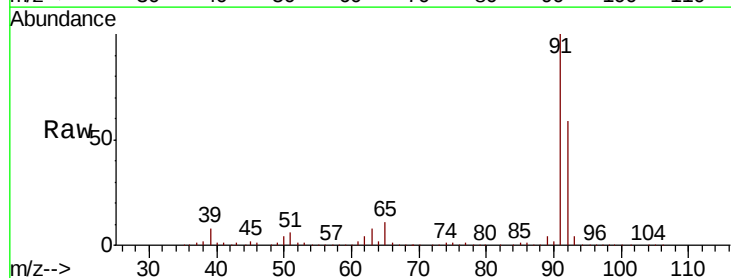
Acq: 22 Aug 2018 12:08

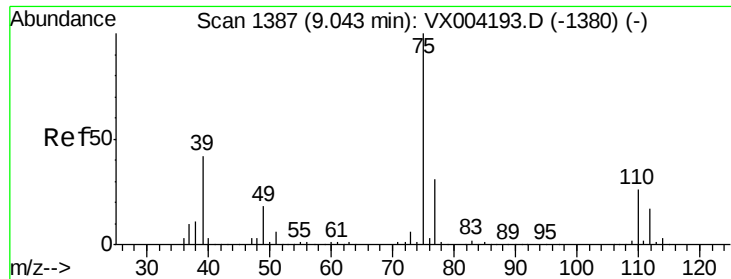
Tgt Ion: 92 Resp: 963835

Ion Ratio Lower Upper

92 100

91 169.8 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 106.89 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 570978

Ion Ratio Lower Upper

75 100

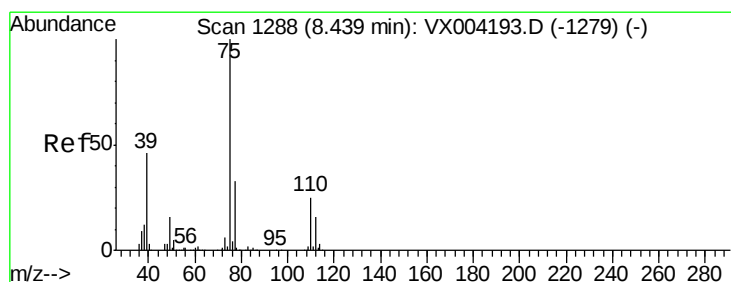
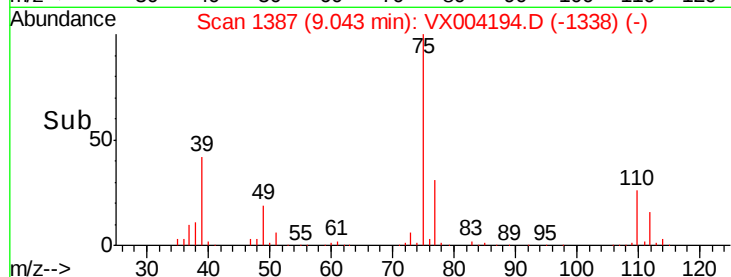
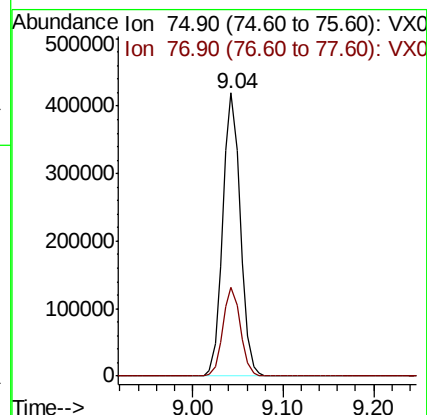
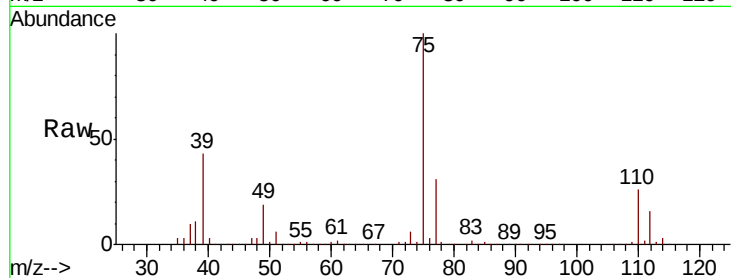
77 31.4 24.6 37.0

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#54

cis-1,3-Dichloropropene

Concen: 105.18 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

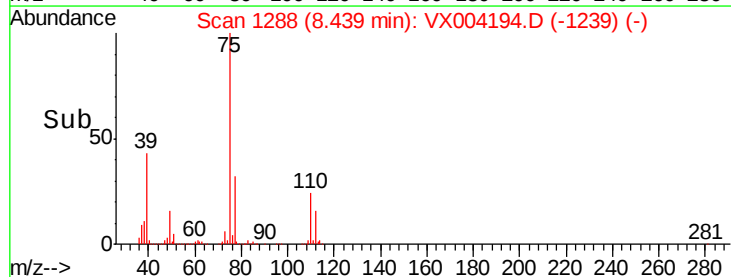
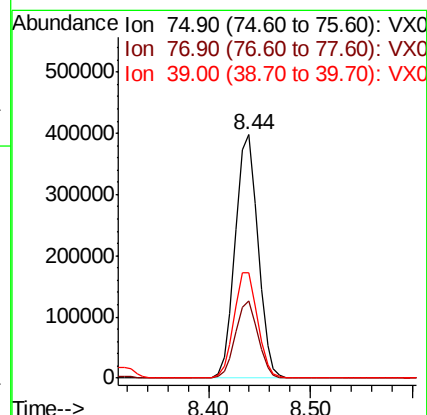
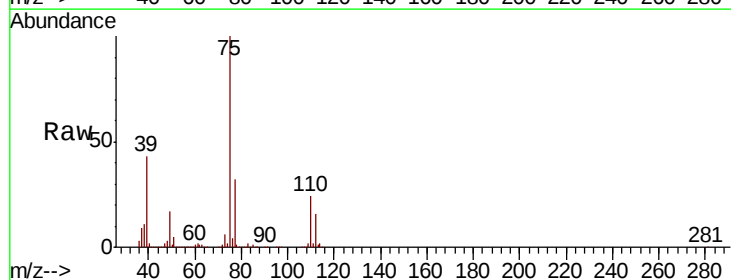
Tgt Ion: 75 Resp: 611991

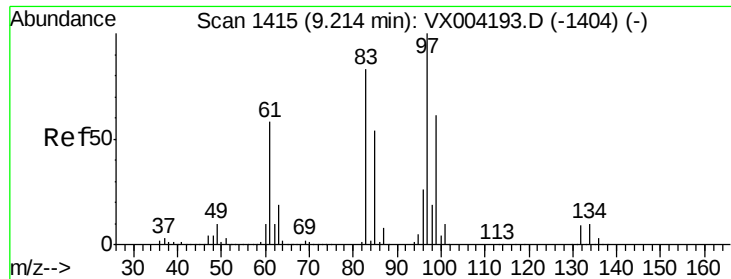
Ion Ratio Lower Upper

75 100

77 31.8 26.2 39.2

39 43.4 36.4 54.6





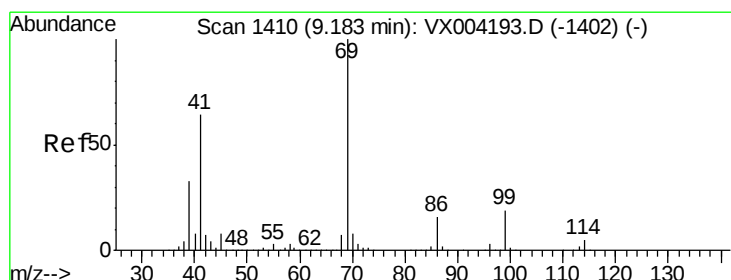
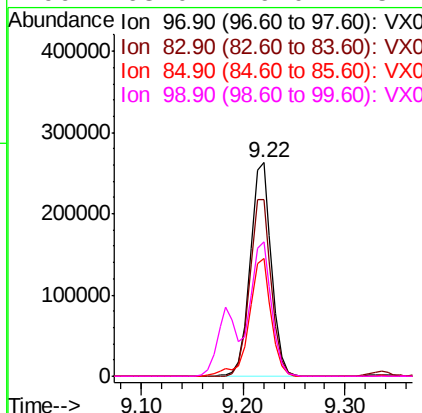
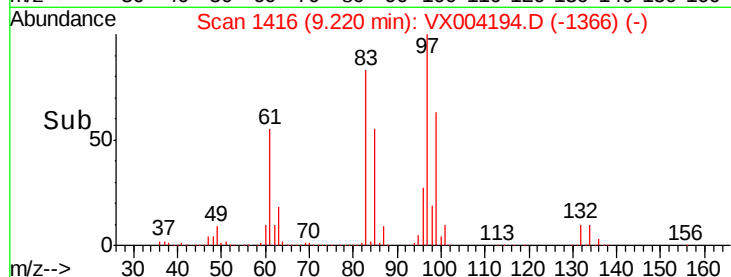
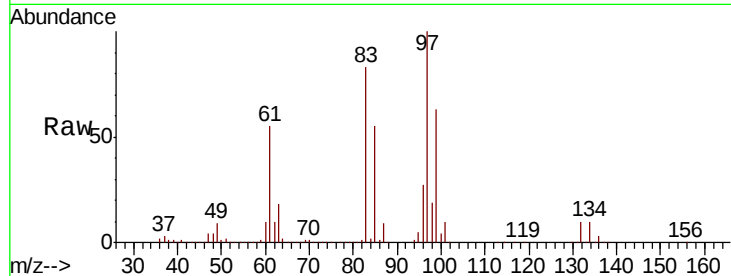
#55
 1,1,2-Trichloroethane
 Concen: 97.23 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004194.D
 Acq: 22 Aug 2018 12:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.0	66.4	99.6
85	54.9	43.3	64.9
99	63.0	49.0	73.4

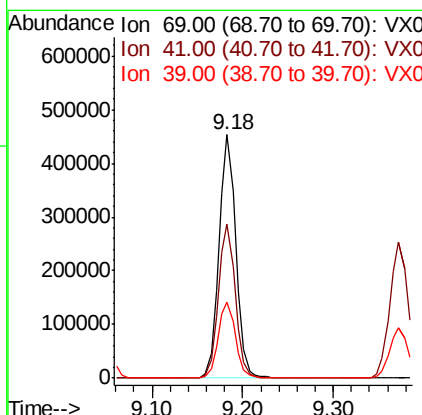
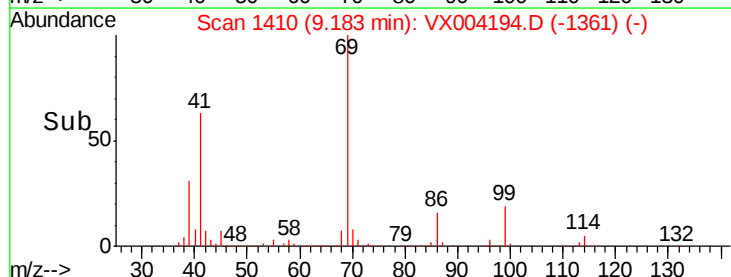
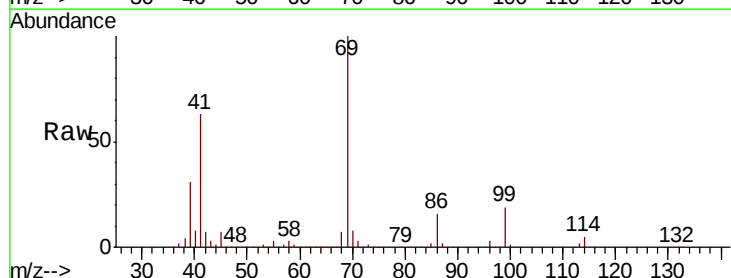
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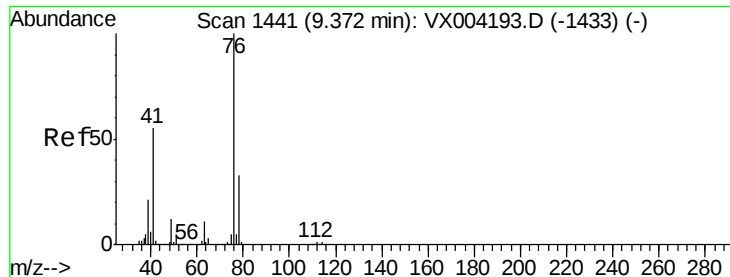
MMDadoda
 8/23/2018 9:39:59 AM



#56
 Ethyl methacrylate
 Concen: 109.81 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004194.D
 Acq: 22 Aug 2018 12:08

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.3	51.0	76.4
39	32.2	26.1	39.1





#57

1,3-Dichloropropane

Concen: 97.88 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 650195

Ion Ratio Lower Upper

76 100

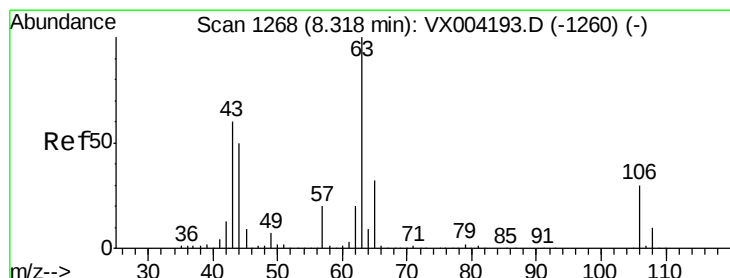
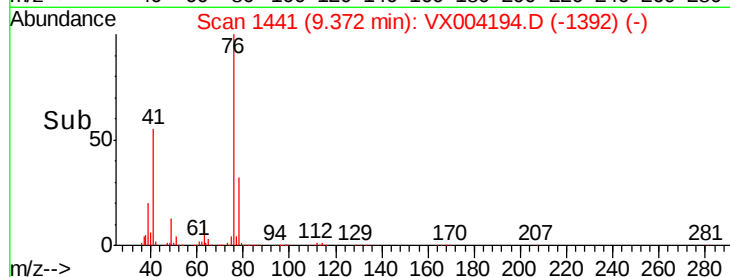
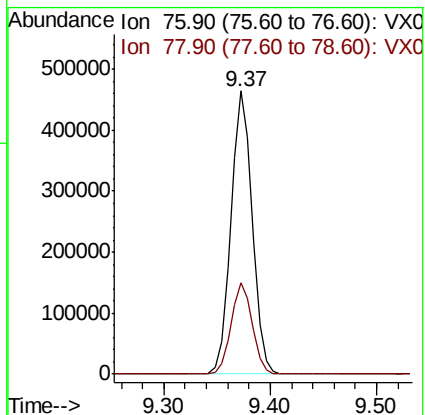
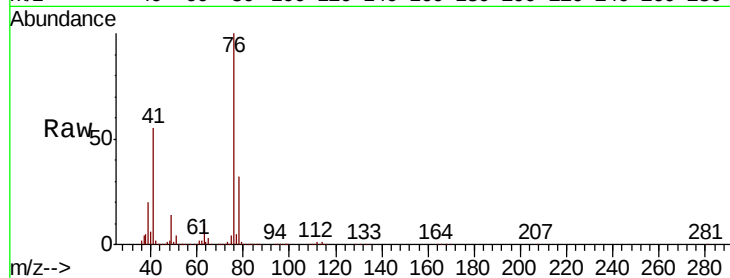
78 31.9 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 567.02 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX004194.D

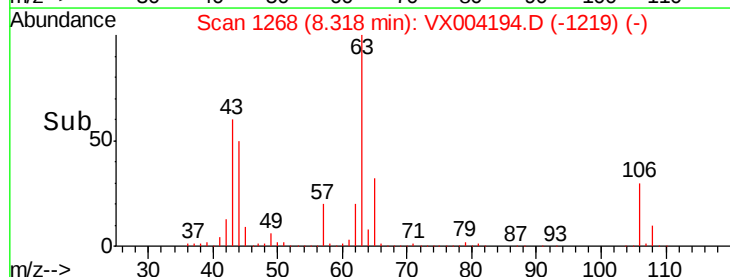
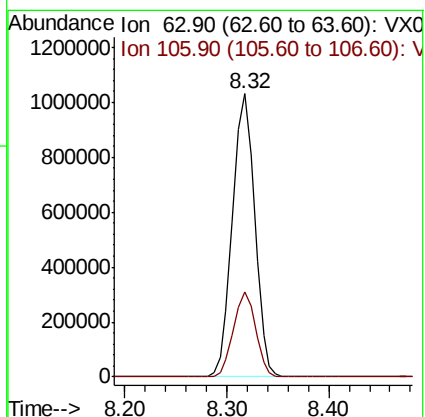
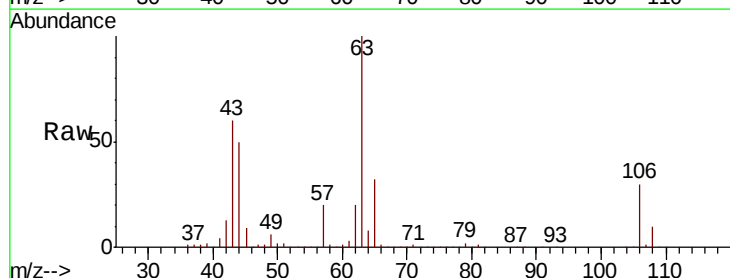
Acq: 22 Aug 2018 12:08

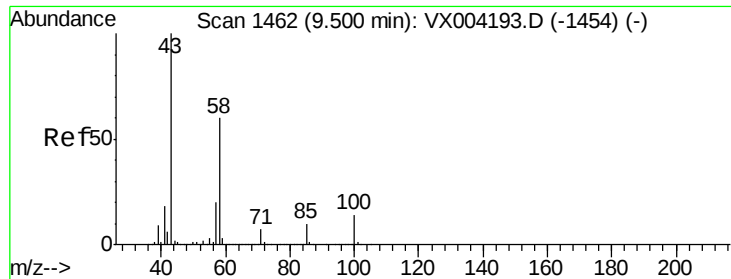
Tgt Ion: 63 Resp: 1558746

Ion Ratio Lower Upper

63 100

106 29.9 23.9 35.9





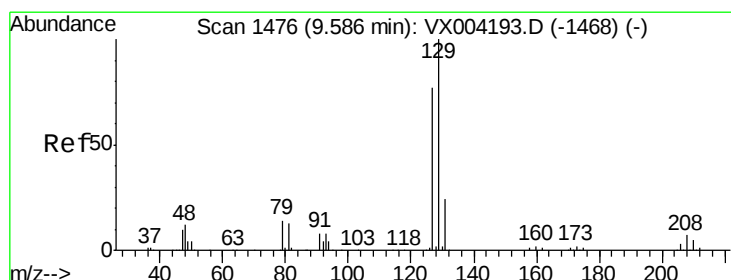
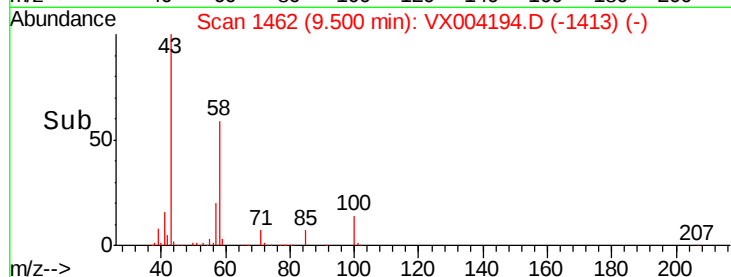
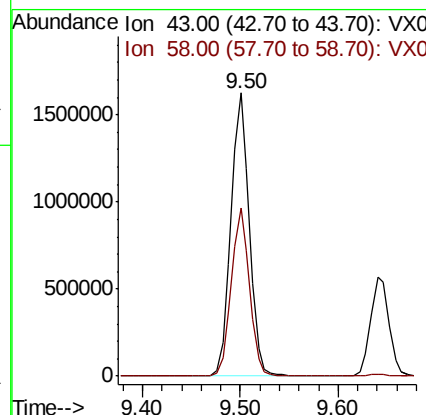
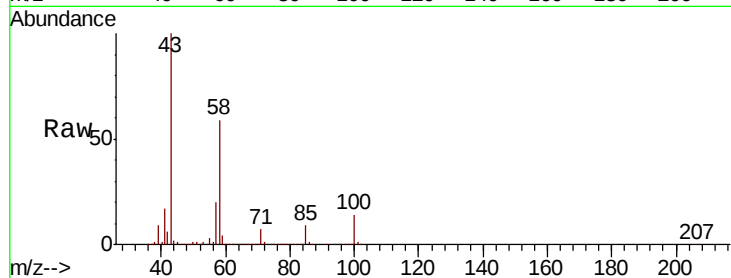
#59
2-Hexanone
Concen: 485.46 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2122662
Ion Ratio Lower Upper
43 100
58 58.8 29.0 87.0

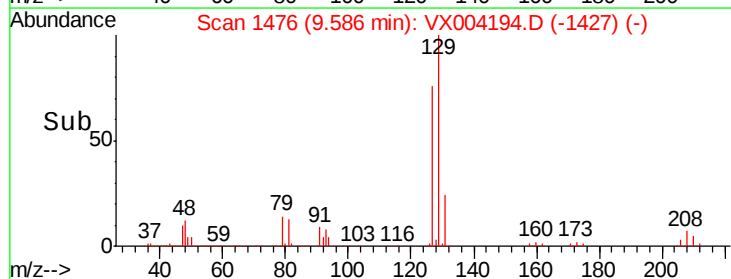
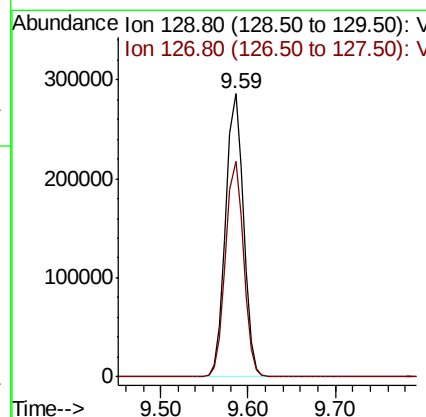
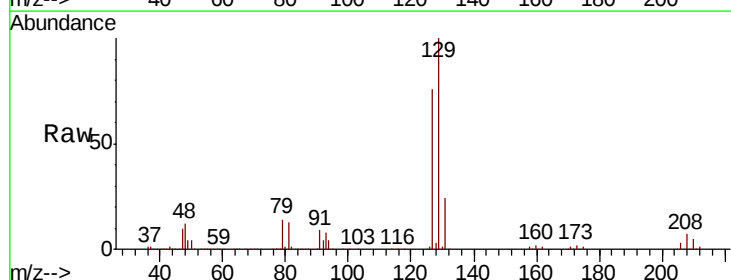
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MMDadoda
8/23/2018 9:39:59 AM



#60
Dibromochloromethane
Concen: 104.91 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Tgt Ion: 129 Resp: 402835
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 99.12 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.01 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 404279

Ion Ratio Lower Upper

107 100

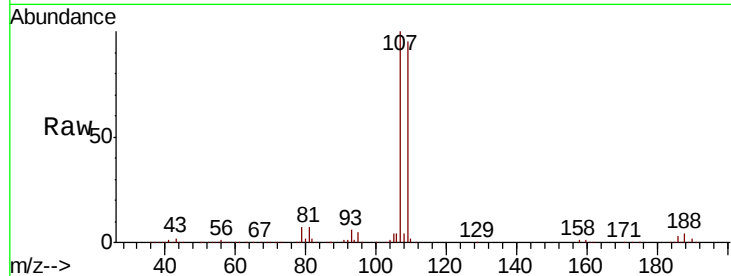
109 94.2 76.0 114.0

Manual Integrations

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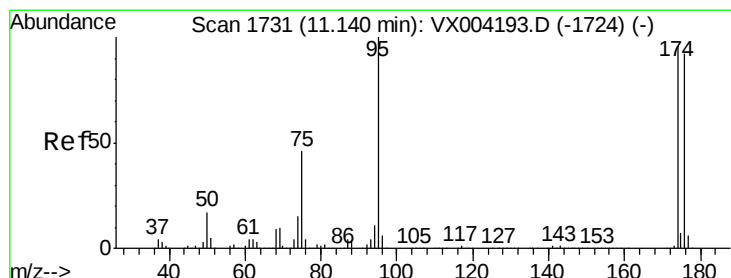
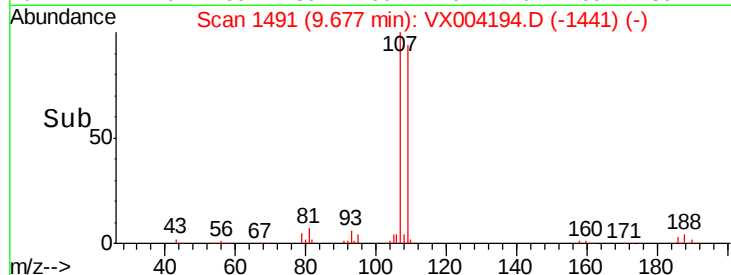
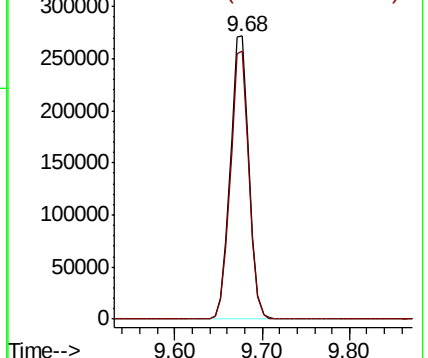
MMDadoda

8/23/2018 9:39:59 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 106.14 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

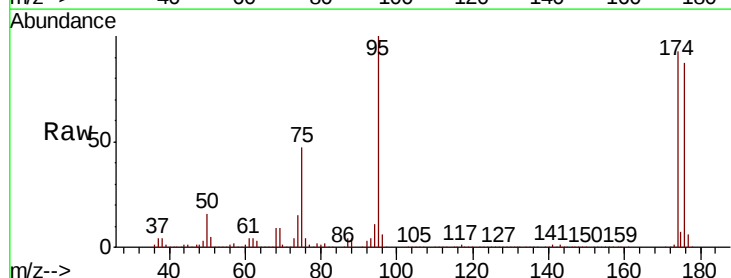
Tgt Ion: 95 Resp: 516341

Ion Ratio Lower Upper

95 100

174 90.7 0.0 185.2

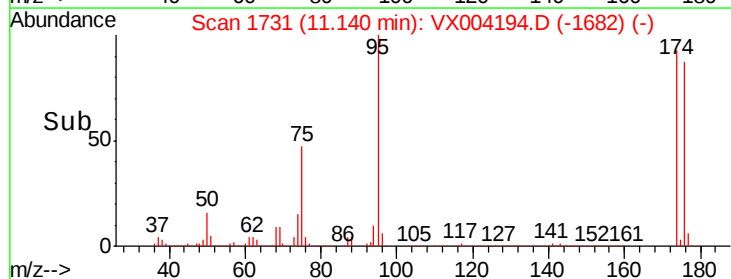
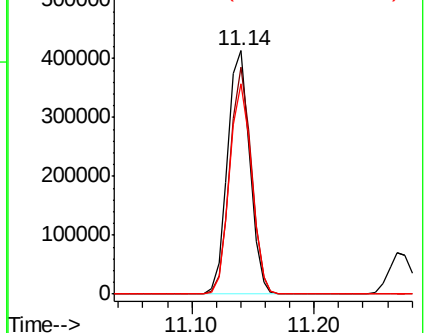
176 86.8 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





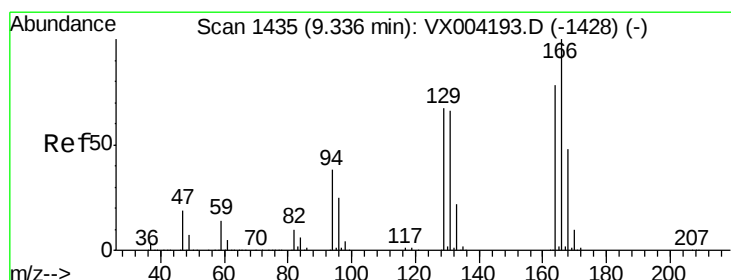
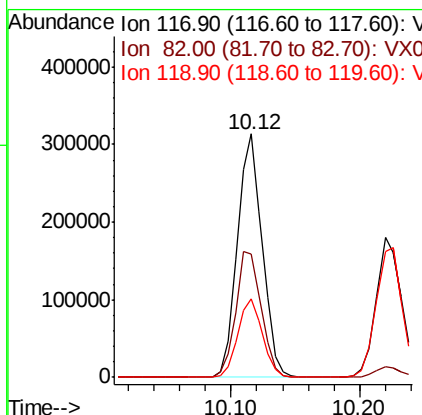
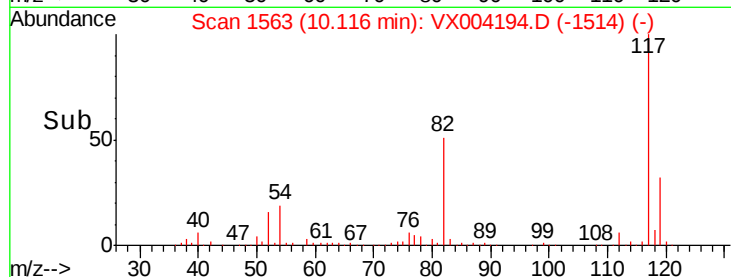
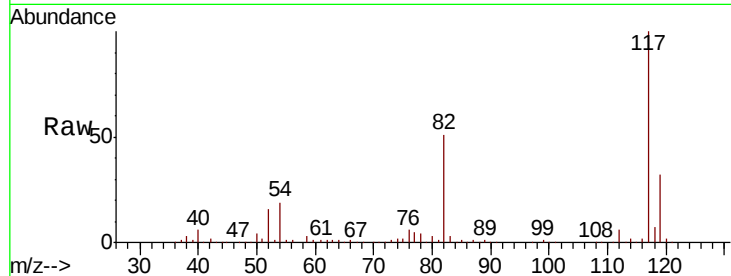
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	47.8	71.6
119	32.3	29.3	43.9

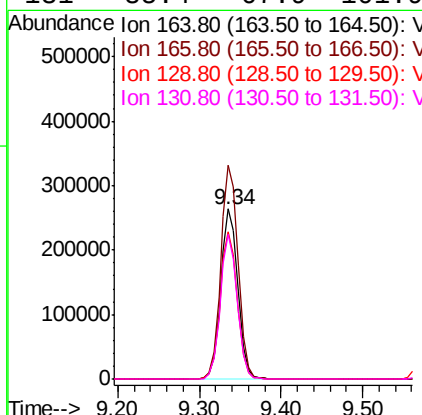
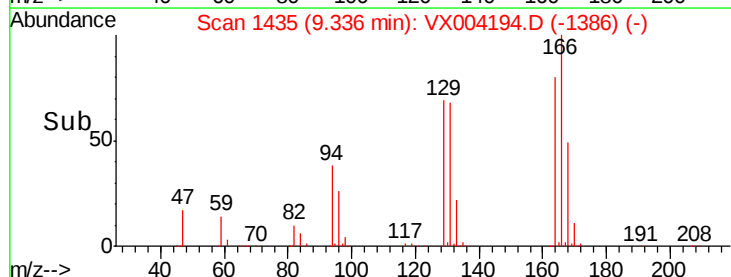
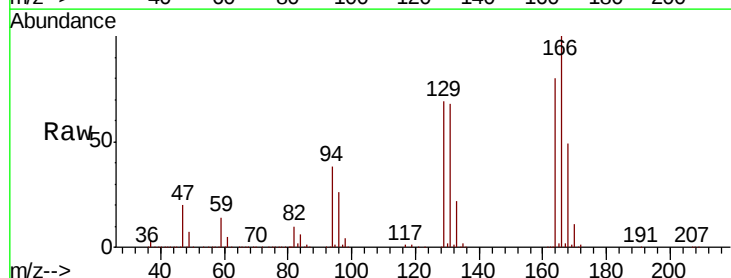
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#64
Tetrachloroethene
Concen: 92.49 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	102.8	154.2
129	86.9	69.4	104.0
131	85.4	67.9	101.9





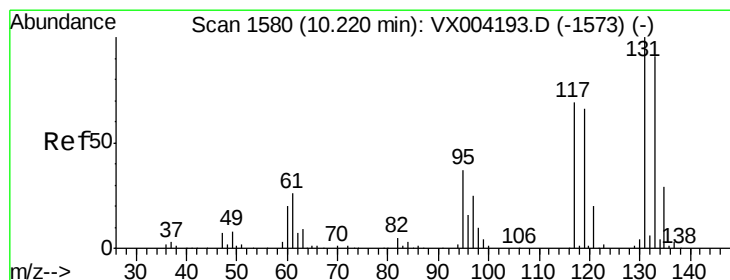
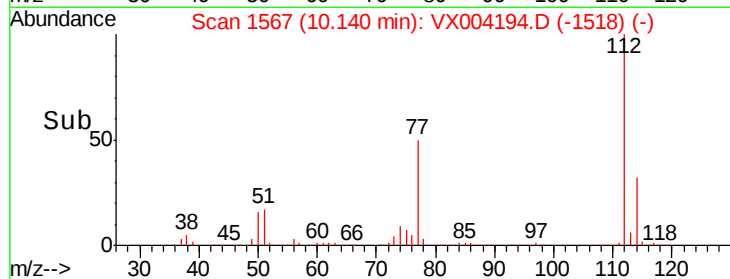
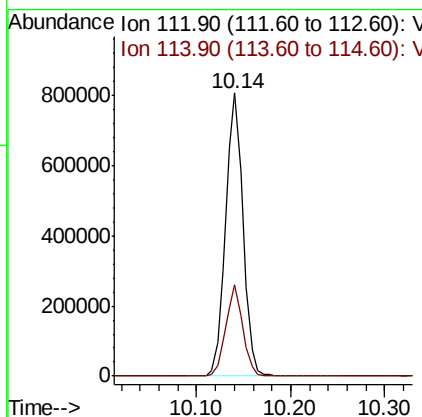
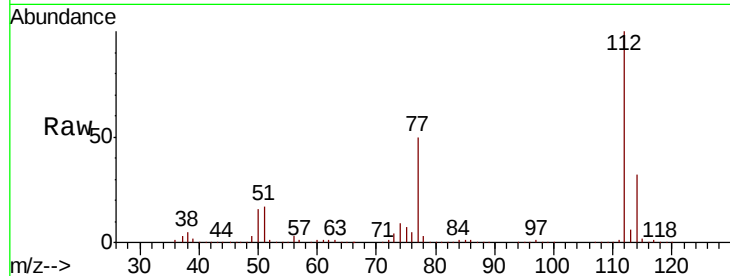
#65
Chlorobenzene
Concen: 98.34 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion:112 Resp: 1033362
Ion Ratio Lower Upper
112 100
114 32.1 27.8 41.8

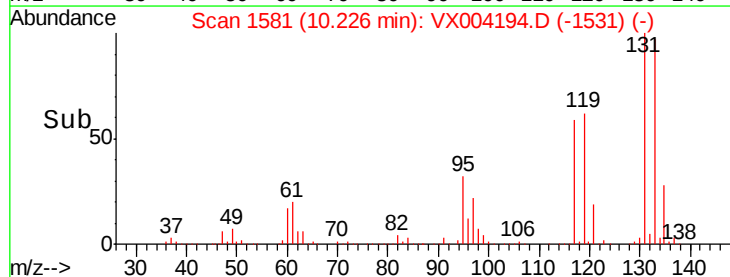
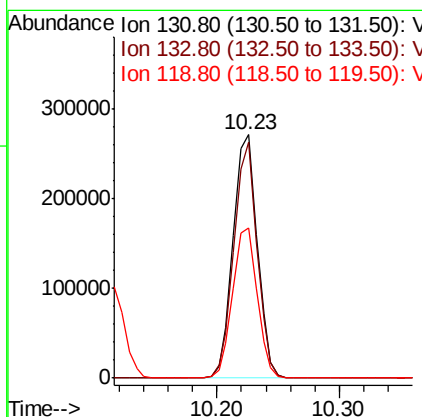
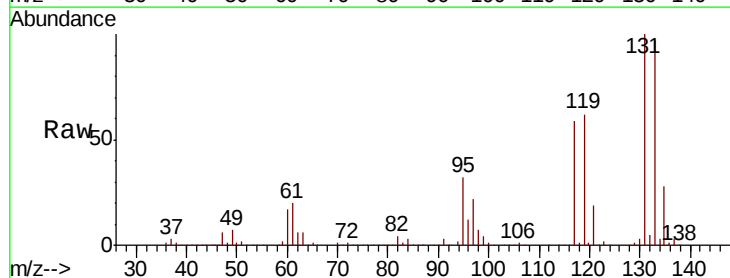
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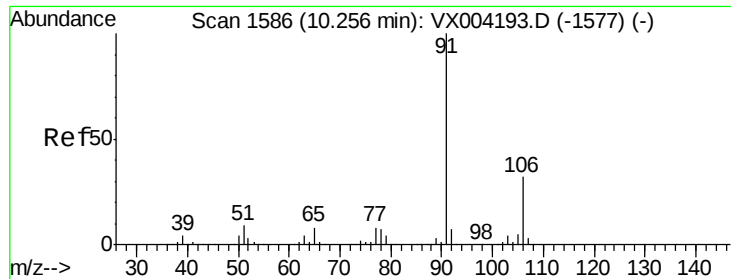
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#66
1,1,1,2-Tetrachloroethane
Concen: 102.42 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Tgt Ion:131 Resp: 371182
Ion Ratio Lower Upper
131 100
133 93.0 48.1 144.4
119 62.6 32.9 98.6





#67

Ethyl Benzene

Concen: 100.74 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1719229

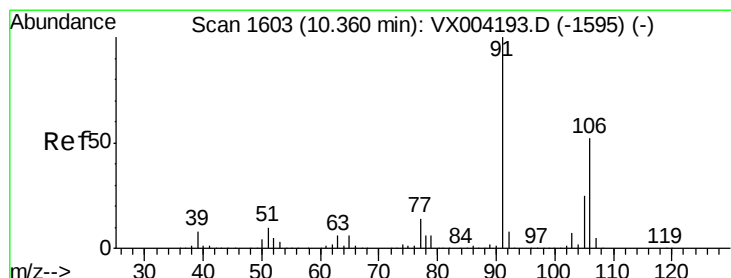
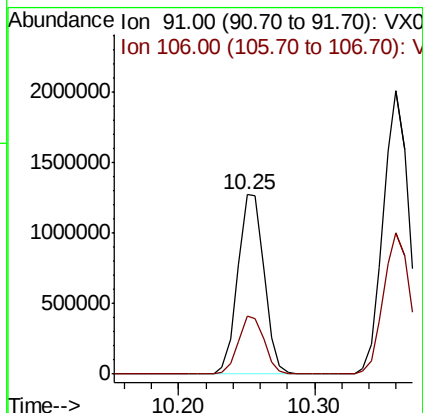
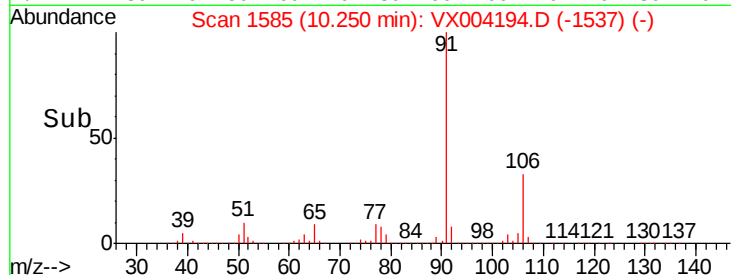
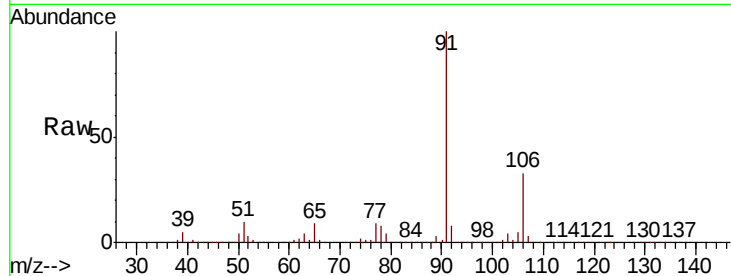
Ion Ratio Lower Upper

91 100

106 32.6 25.9 38.9

Manual Integrations
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#68

m/p-Xylenes

Concen: 204.16 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004194.D

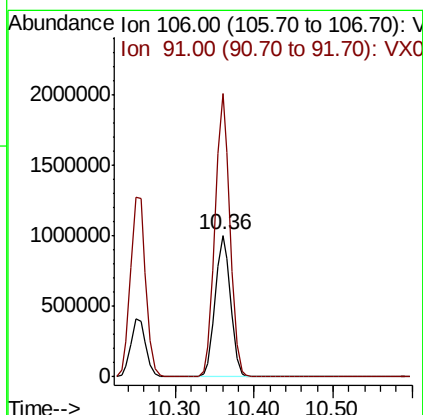
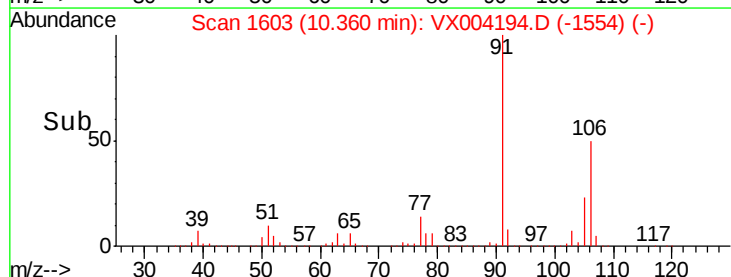
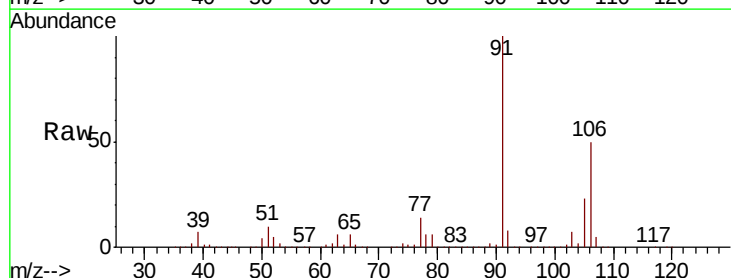
Acq: 22 Aug 2018 12:08

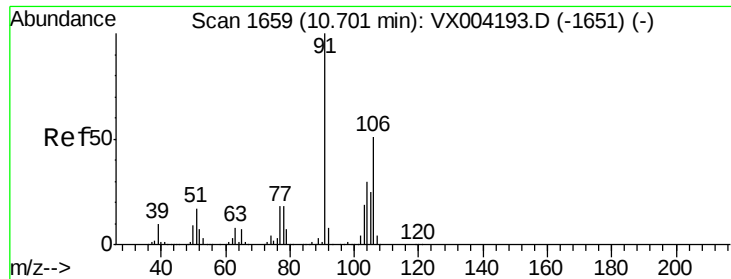
Tgt Ion: 106 Resp: 1362329

Ion Ratio Lower Upper

106 100

91 193.9 157.1 235.7





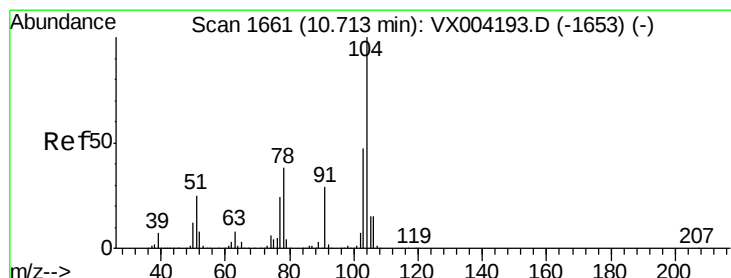
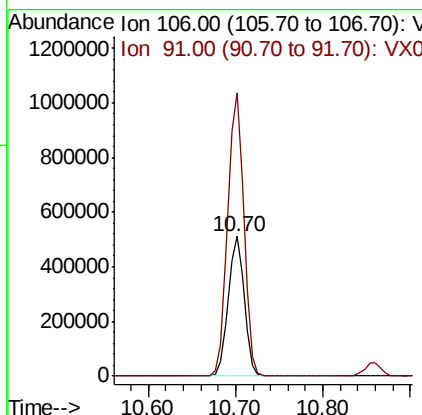
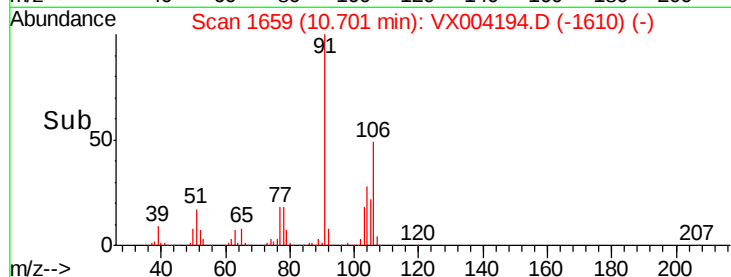
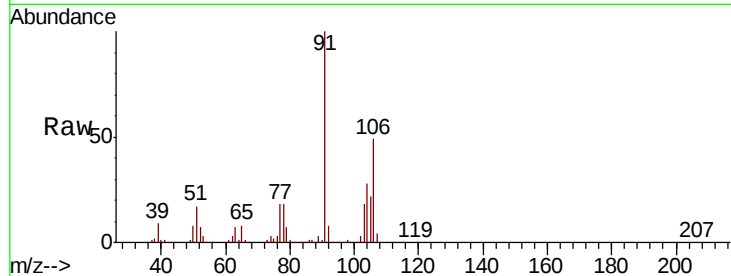
#69
o-Xylene
Concen: 102.92 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.6	105.1	315.1

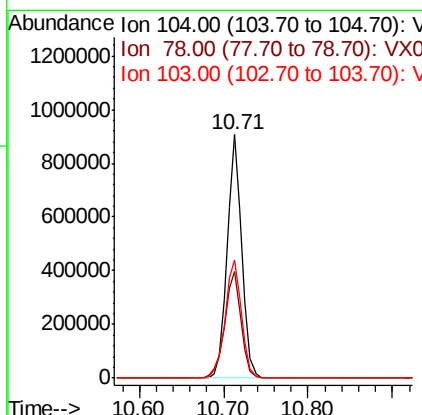
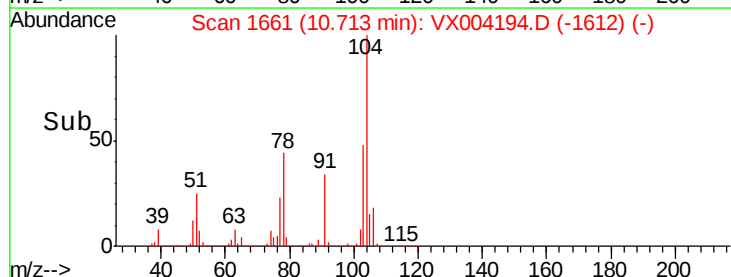
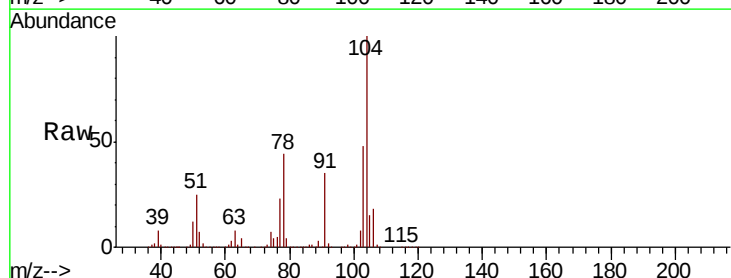
Manual Integrations
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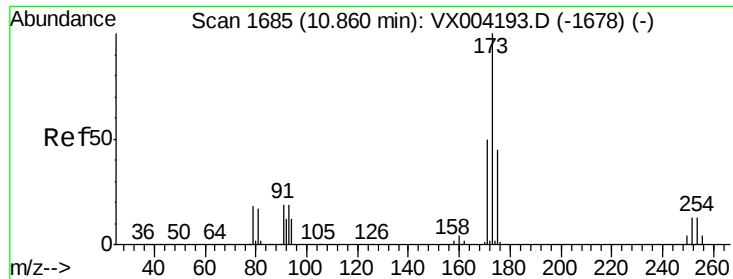
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#70
Styrene
Concen: 105.87 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	37.4	56.0
103	54.4	43.8	65.6





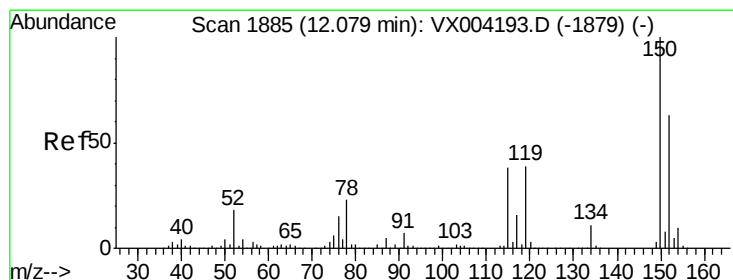
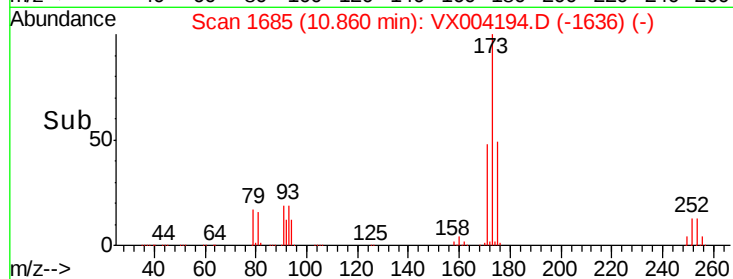
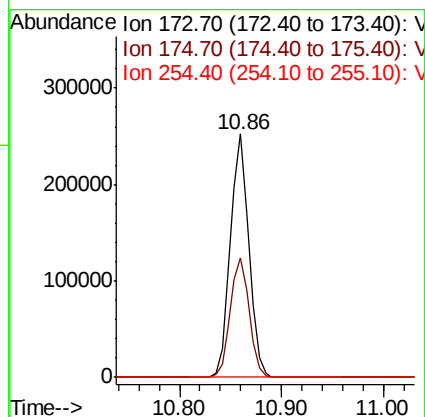
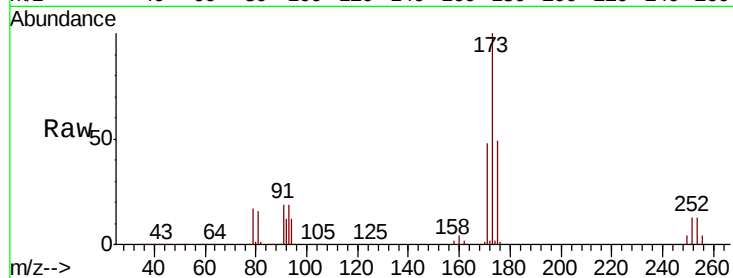
#71
Bromoform
Concen: 107.45 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.1	72.3
254	0.2	0.2	0.2

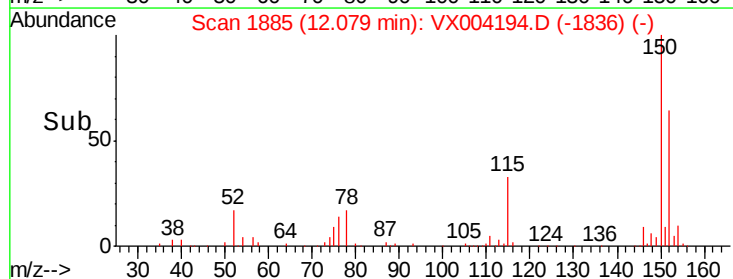
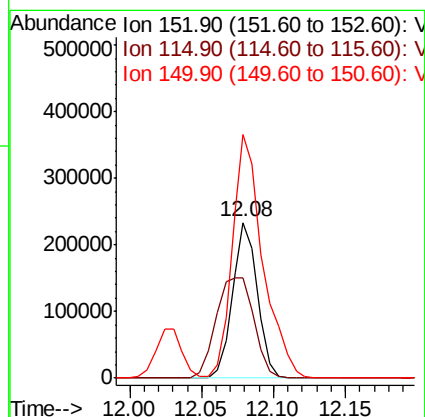
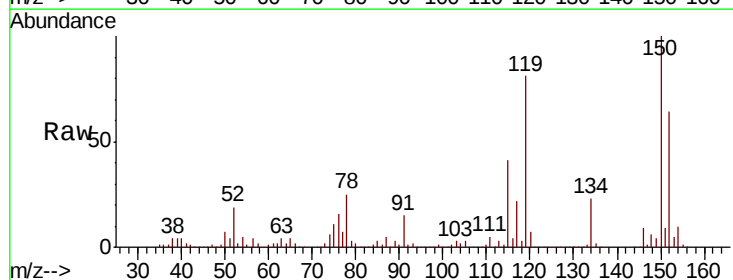
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	98.0	39.0	117.0
150	190.7	0.0	351.0





#73

Isopropylbenzene

Concen: 100.03 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1851598

Ion Ratio Lower Upper

105 100

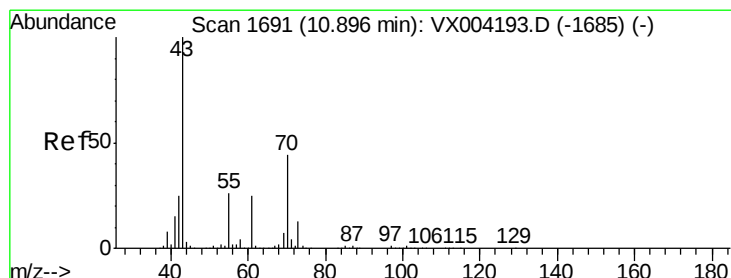
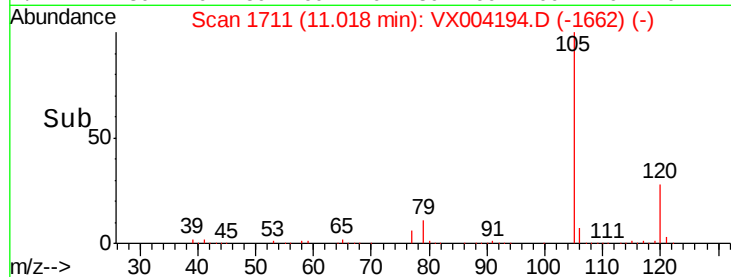
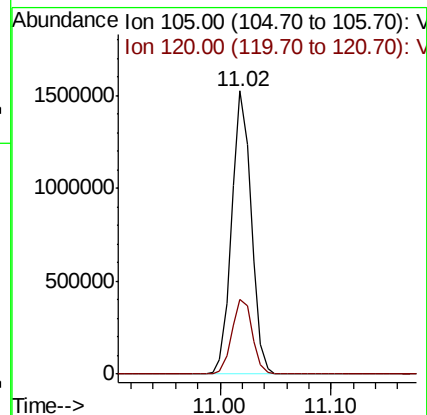
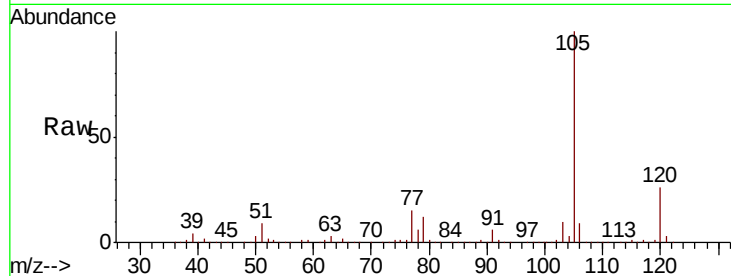
120 27.4 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 105.74 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Tgt Ion: 43 Resp: 753556

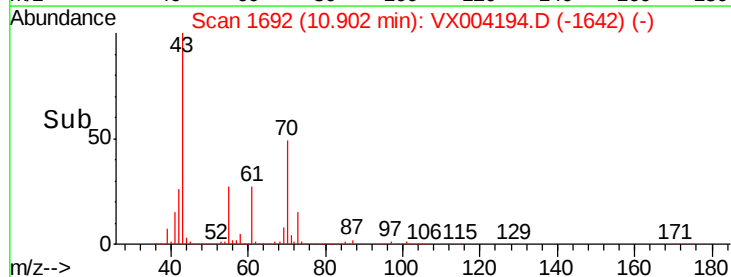
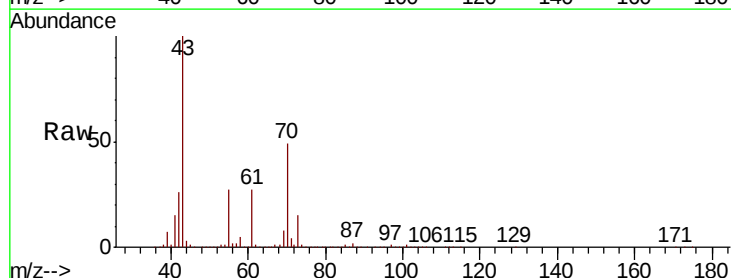
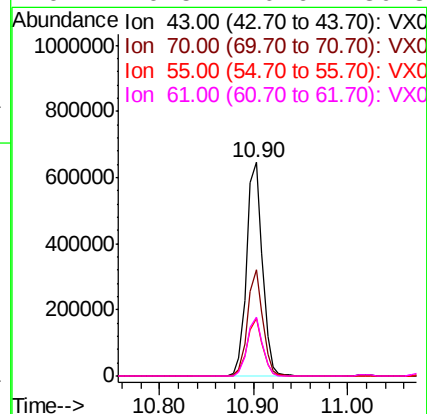
Ion Ratio Lower Upper

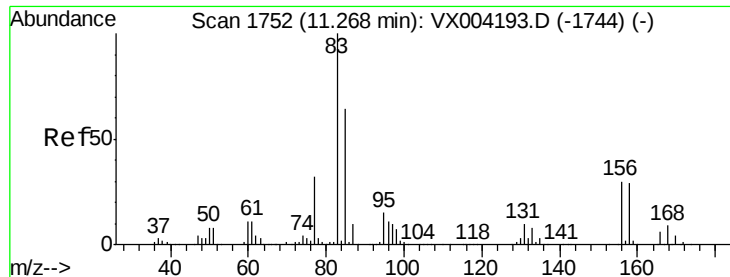
43 100

70 47.8 37.4 56.0

55 26.4 21.8 32.8

61 26.5 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 94.95 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 615033

Ion Ratio Lower Upper

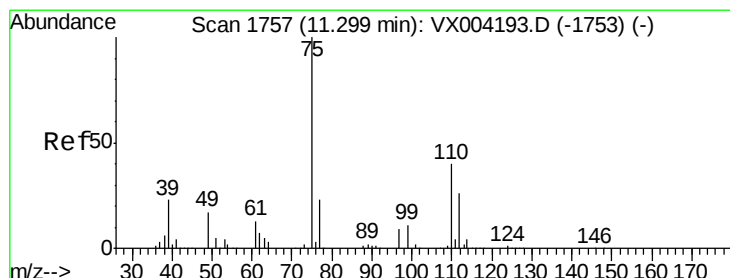
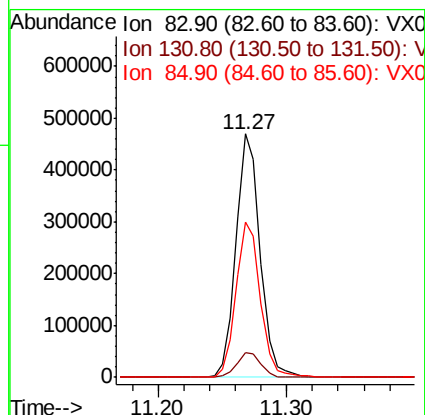
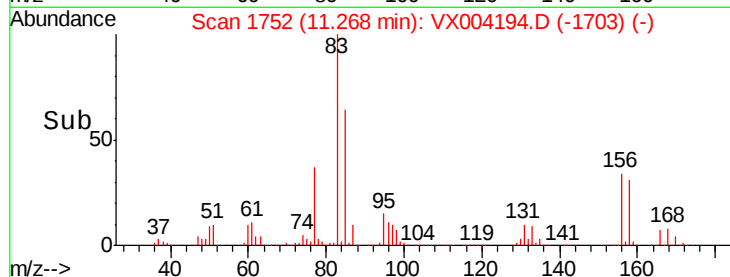
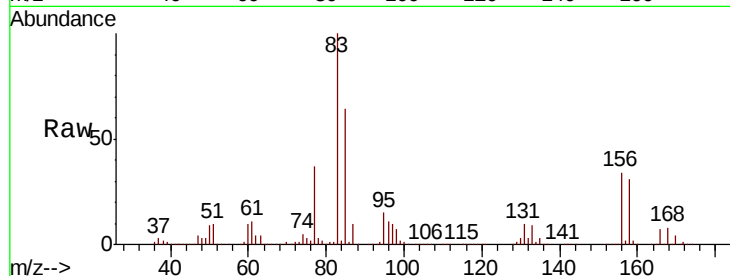
83 100

131 10.4 5.2 15.6

85 64.3 32.3 96.8

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#76

1,2,3-Trichloropropane

Concen: 97.69 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004194.D

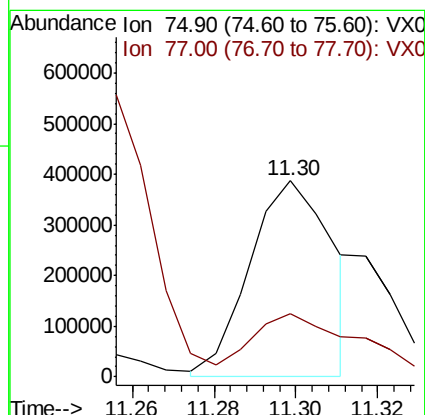
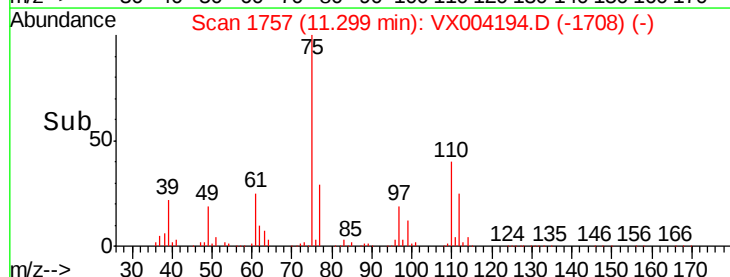
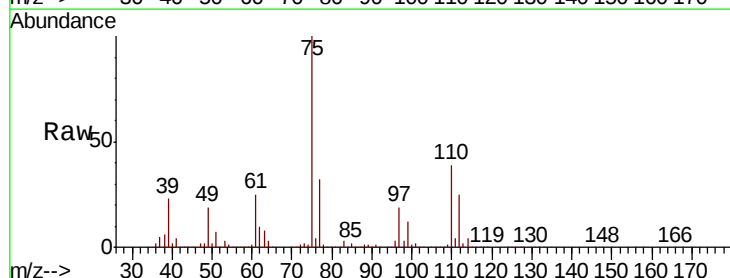
Acq: 22 Aug 2018 12:08

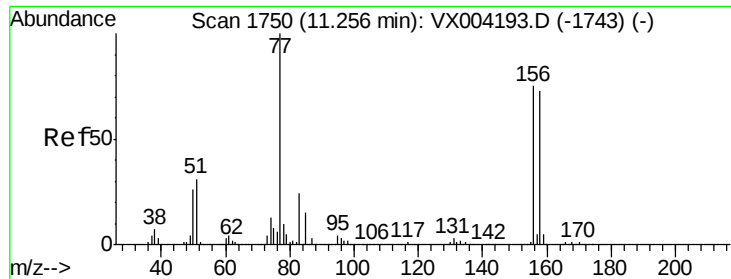
Tgt Ion: 75 Resp: 543538

Ion Ratio Lower Upper

75 100

77 41.9 20.2 60.6





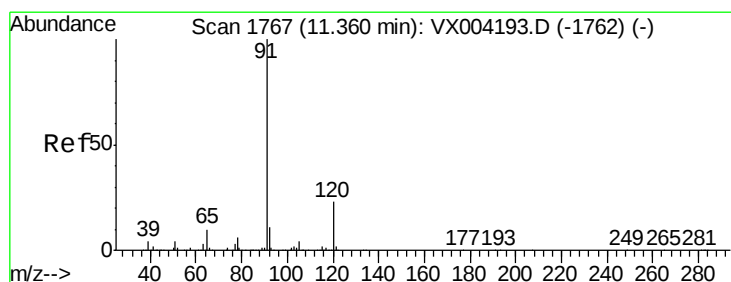
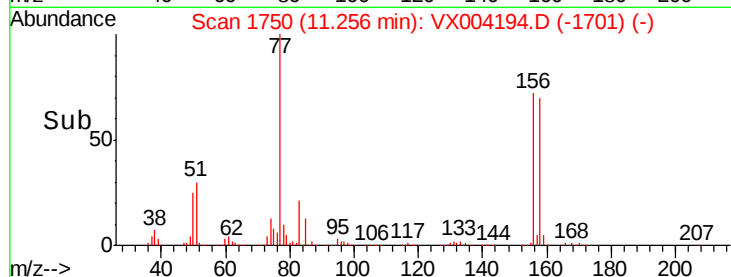
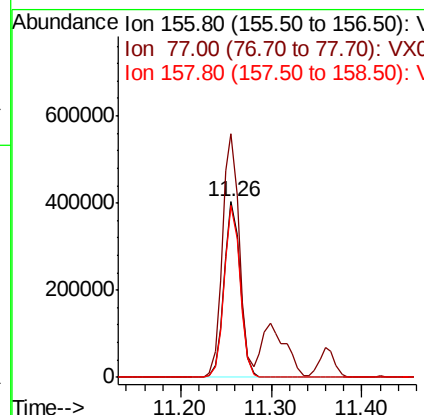
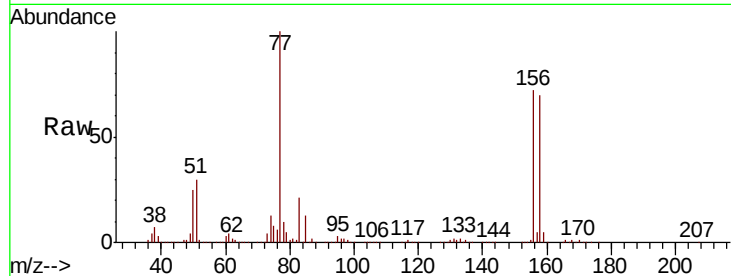
#77
Bromobenzene
Concen: 96.68 ug/l
RT: 11.26 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		502006		
77	144.5	71.5	214.3		
158	96.4	48.9	146.8		

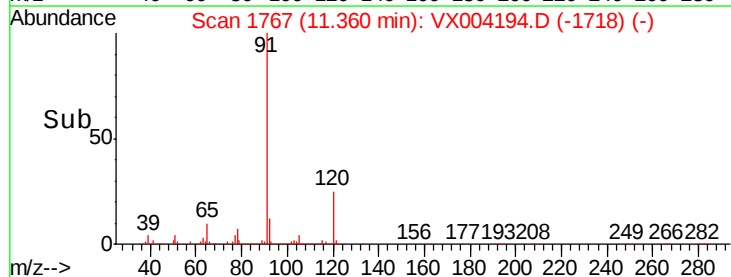
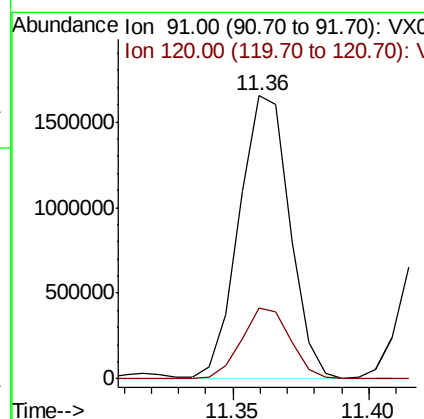
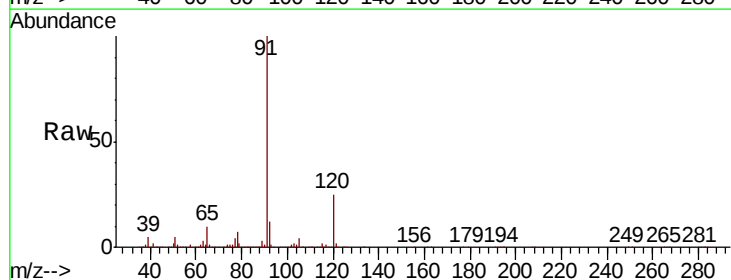
Manual Integrations
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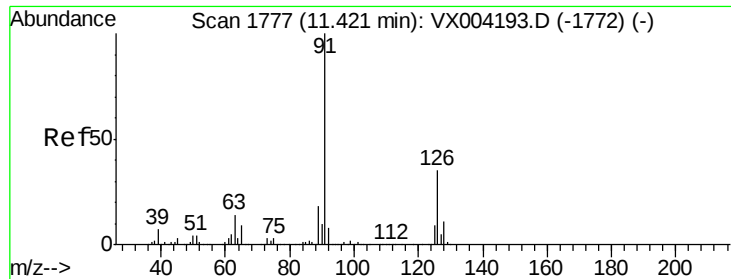
MMDadoda
8/23/2018 9:39:59 AM



#78
n-propylbenzene
Concen: 99.59 ug/l
RT: 11.36 min Scan# 1767
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		2120136		
120	24.3	11.9	35.9		





#79

2-Chlorotoluene

Concen: 96.89 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1269542

Ion Ratio Lower Upper

91 100

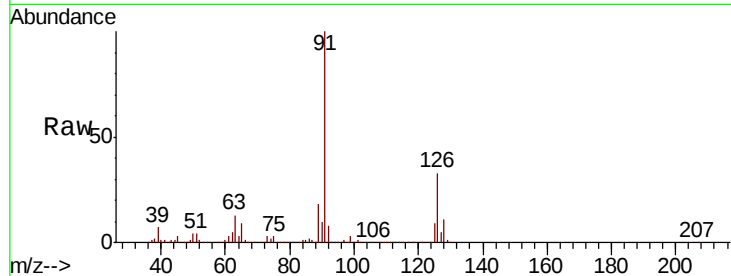
126 35.0 17.9 53.7

Manual Integrations

APPROVED

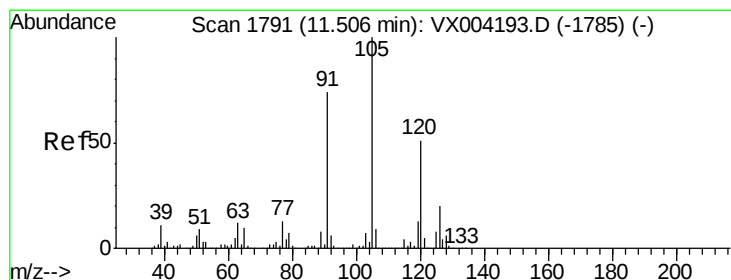
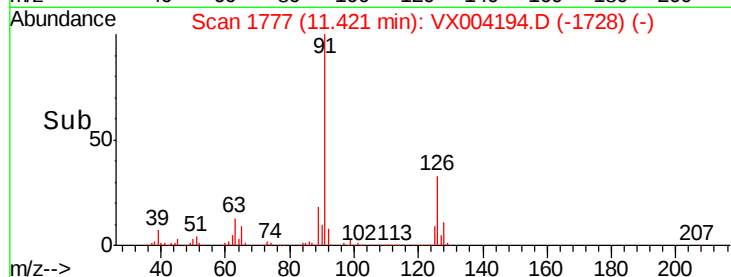
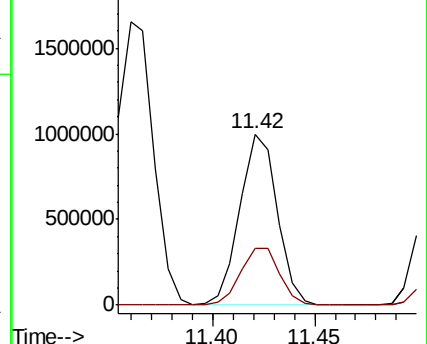
MMDadoda

8/23/2018 9:39:59 AM



Abundance Ion 91.00 (90.70 to 91.70): VX004194.D (-1772) (-)

Ion 125.90 (125.60 to 126.60): VX004194.D (-1772) (-)



#80

1,3,5-Trimethylbenzene

Concen: 102.05 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004194.D

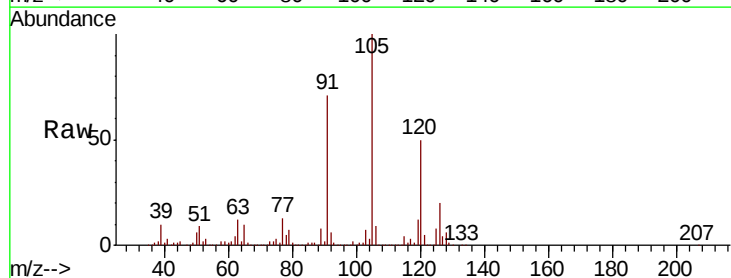
Acq: 22 Aug 2018 12:08

Tgt Ion:105 Resp: 1564326

Ion Ratio Lower Upper

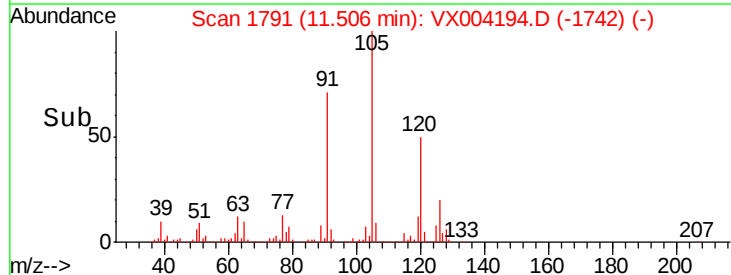
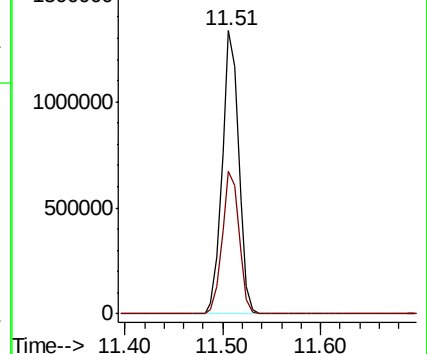
105 100

120 51.5 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004194.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX004194.D (-1785) (-)





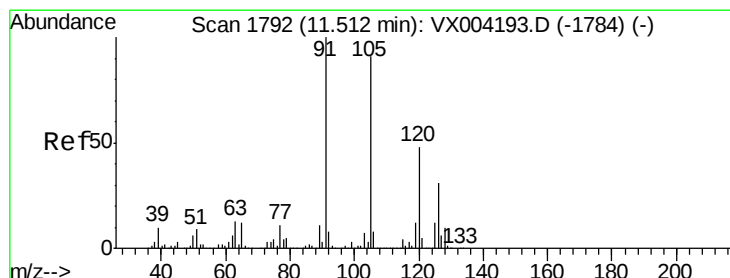
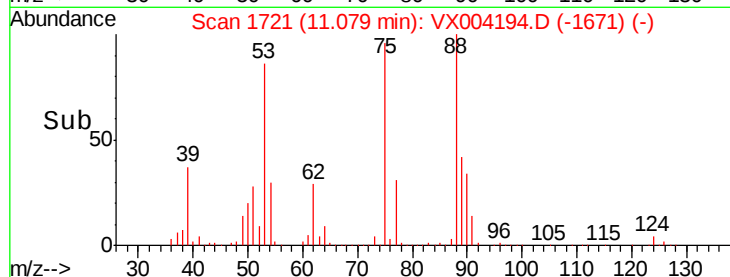
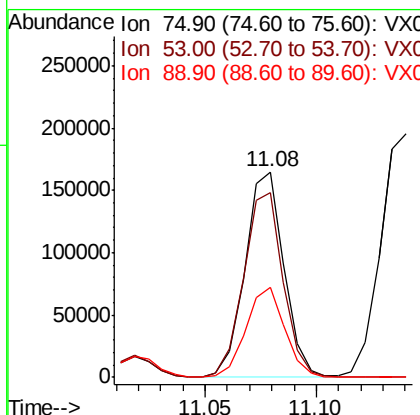
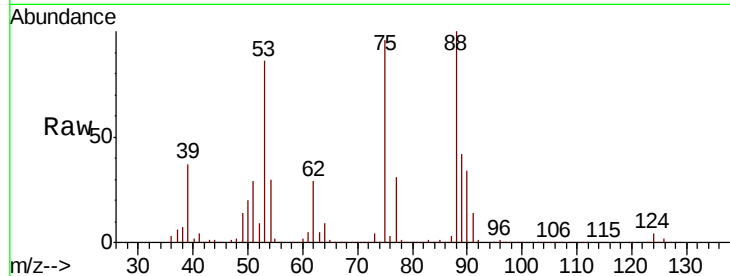
#81
trans-1,4-Dichloro-2-butene
Concen: 112.88 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.01 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
75	100	199415		
53	92.3		80.1	120.1
89	44.0		37.2	55.8

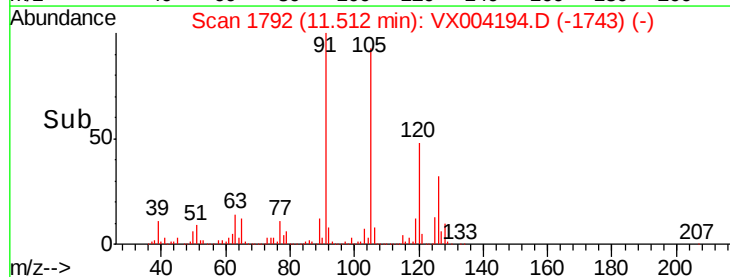
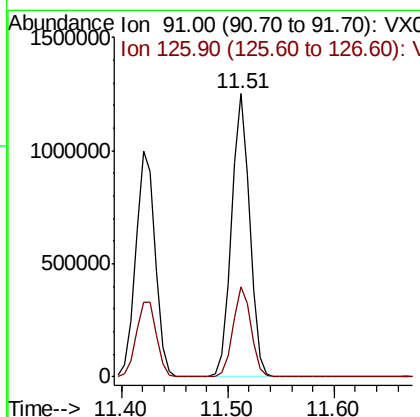
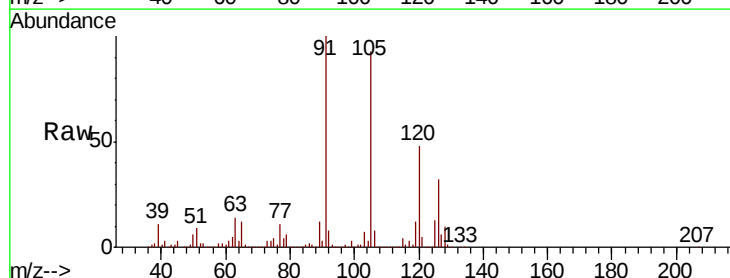
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#82
4-Chlorotoluene
Concen: 97.59 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1504780		
126	31.5		15.5	46.5





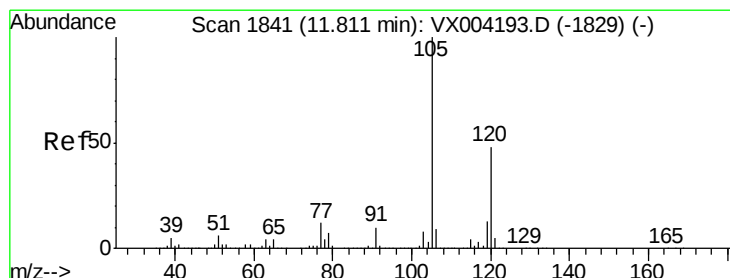
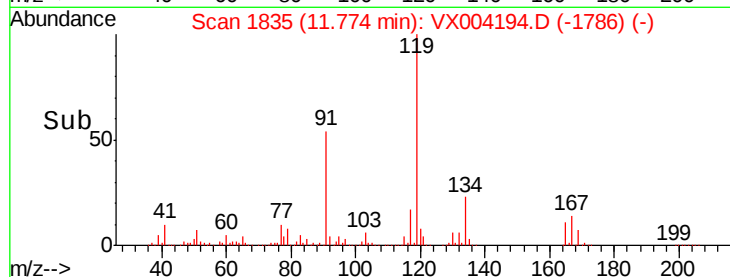
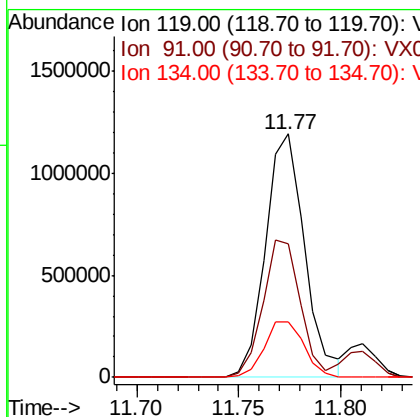
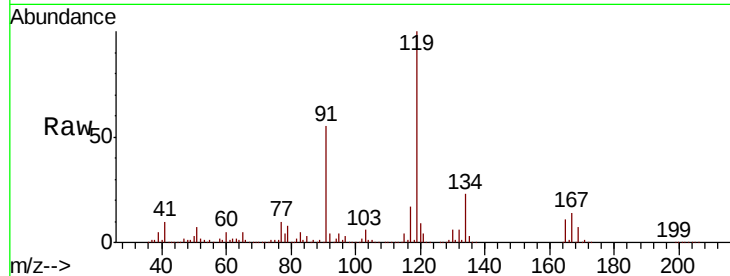
#83
 tert-Butylbenzene
 Concen: 103.45 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004194.D
 Acq: 22 Aug 2018 12:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.8	27.0	81.0
134	23.3	11.7	35.1

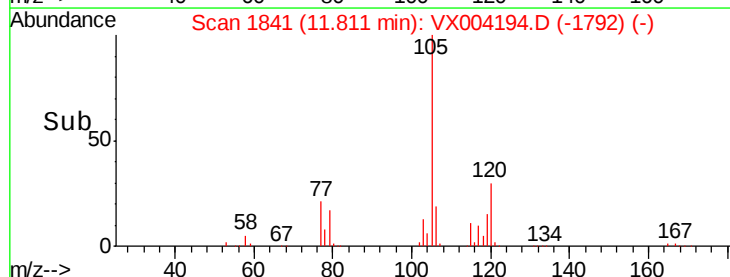
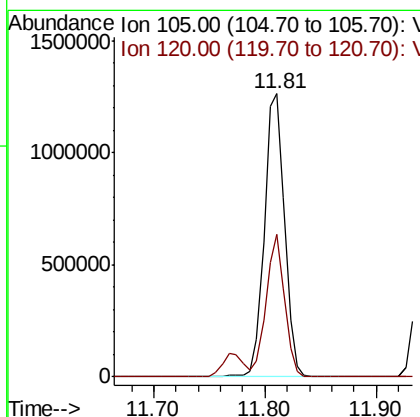
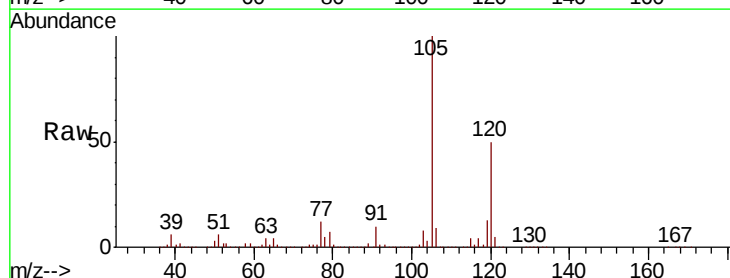
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 102.47 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004194.D
 Acq: 22 Aug 2018 12:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.2	69.6





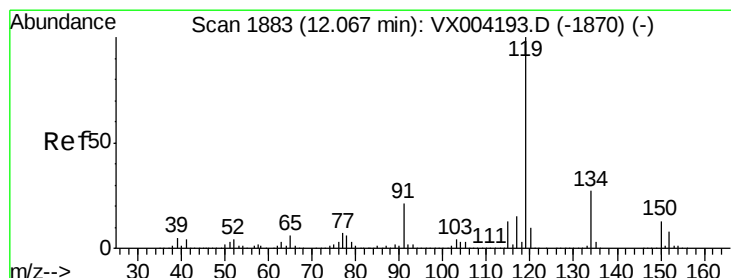
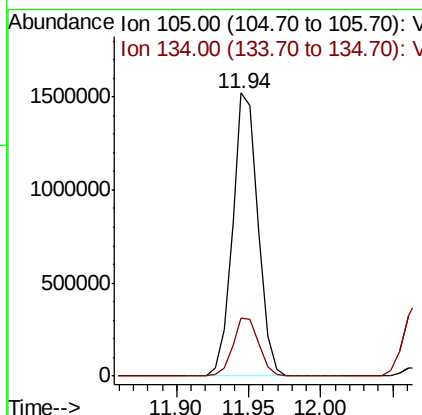
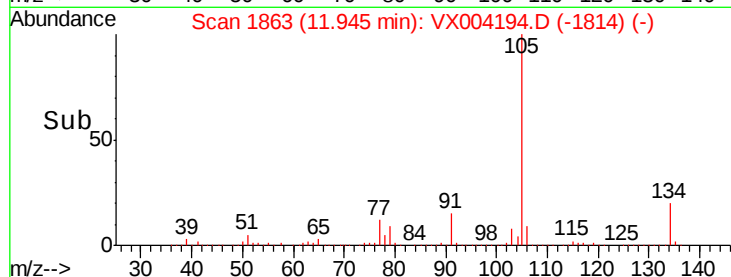
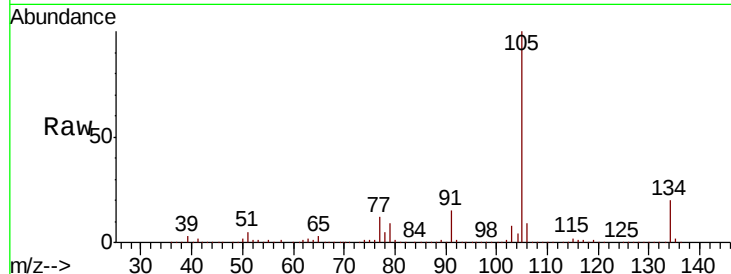
#85
 sec-Butylbenzene
 Concen: 102.31 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004194.D
 Acq: 22 Aug 2018 12:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1873355
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.5 31.5

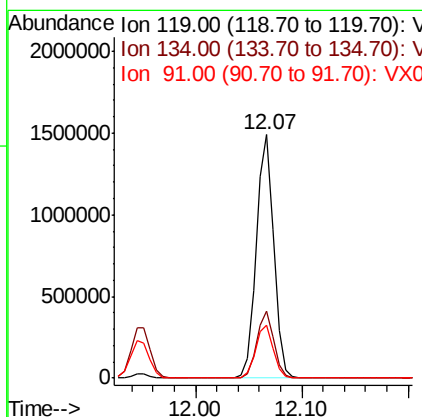
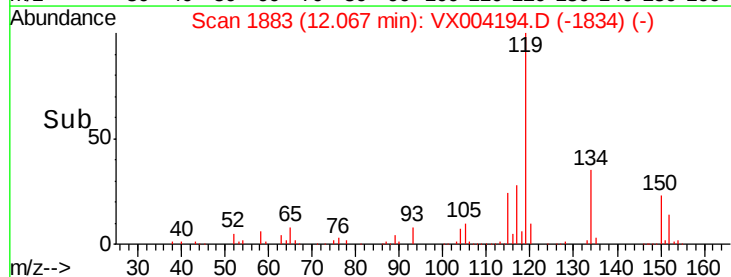
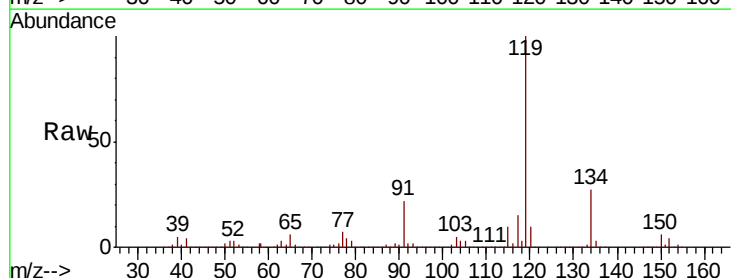
Manual Integrations
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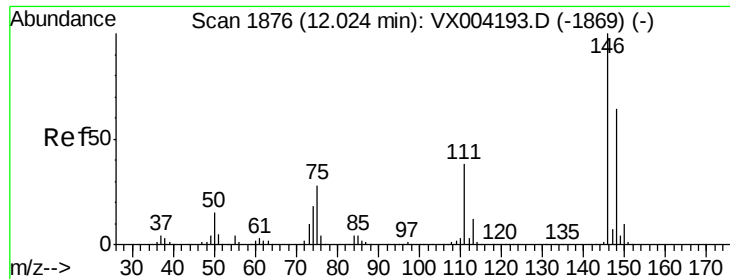
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#86
 p-Isopropyltoluene
 Concen: 104.42 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004194.D
 Acq: 22 Aug 2018 12:08

Tgt Ion:119 Resp: 1713527
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.4 40.2
 91 22.0 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 94.63 ug/l

RT: 12.02 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

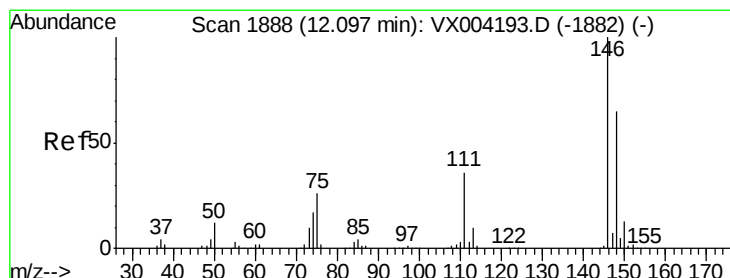
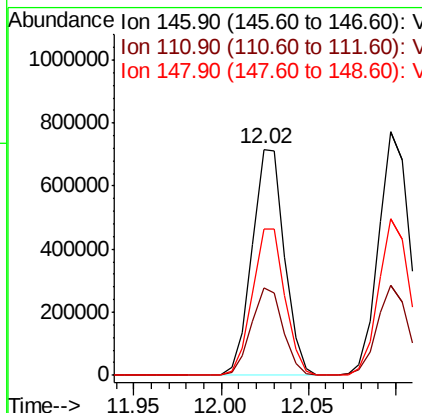
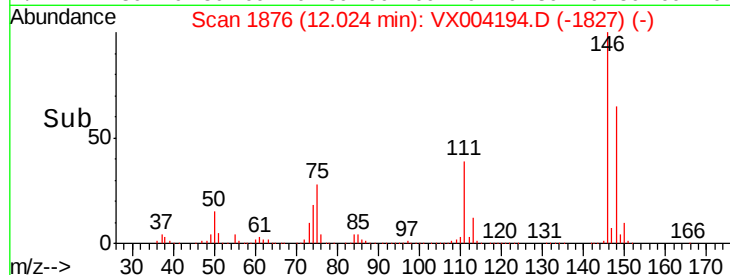
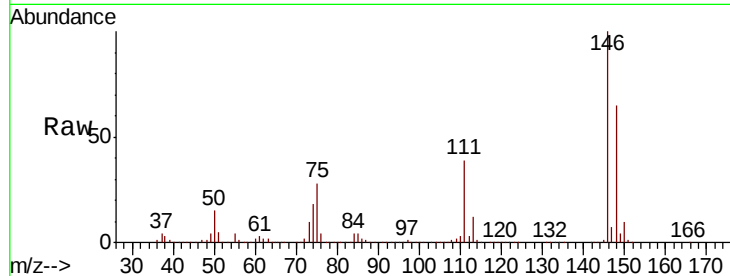
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	925056
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.7	56.1
148	64.9	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 91.87 ug/l

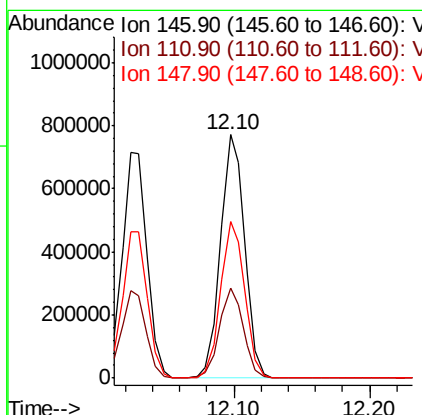
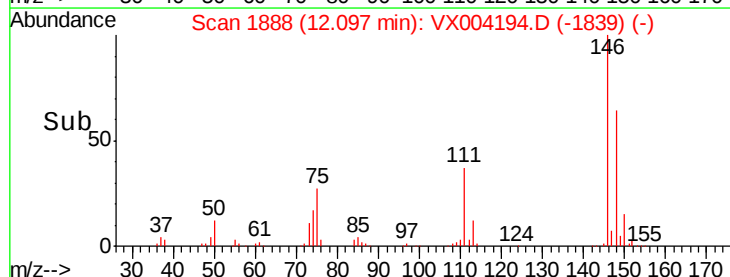
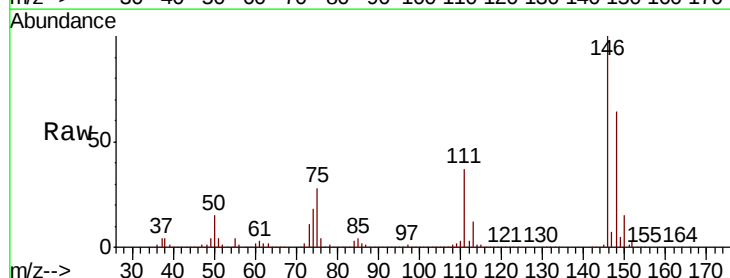
RT: 12.10 min Scan# 1888

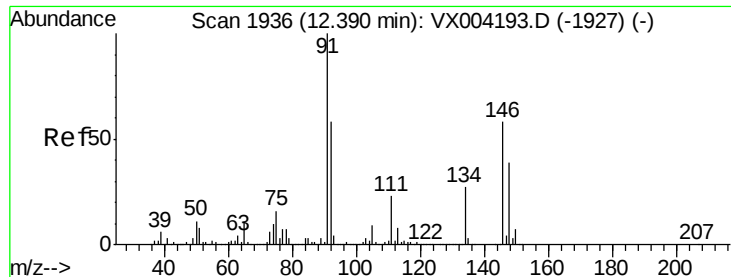
Delta R.T. -0.00 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Tgt Ion:	146	Resp:	944482
Ion Ratio	Lower	Upper	
146	100		
111	36.6	18.1	54.1
148	64.2	32.0	96.0





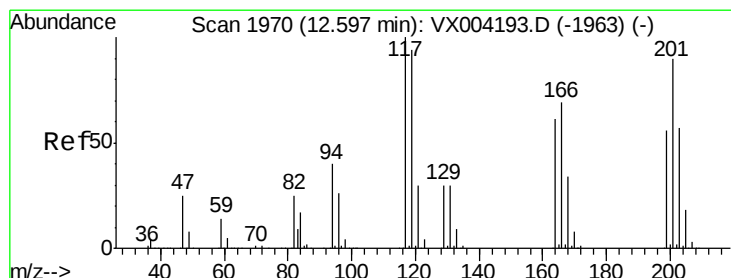
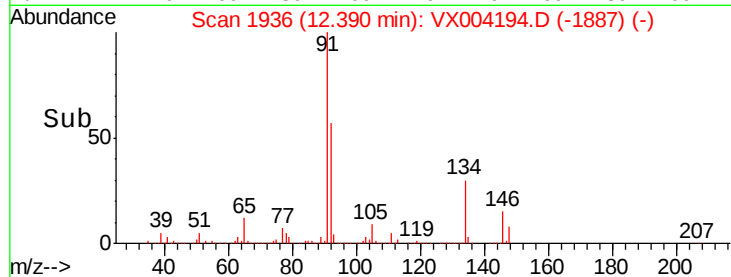
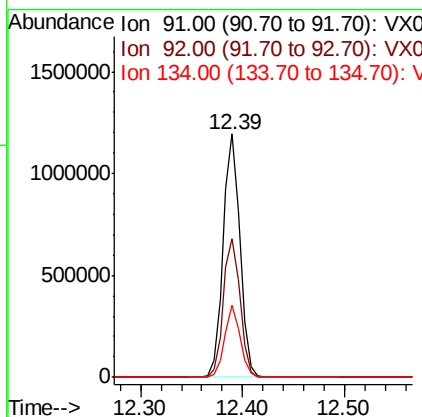
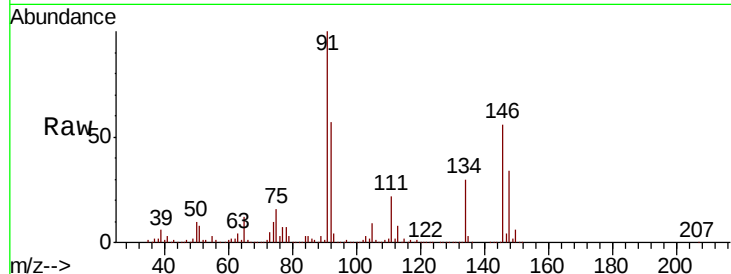
#89
n-Butylbenzene
Concen: 102.94 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1373488
Ion Ratio Lower Upper
91 100
92 57.0 27.3 81.9
134 27.7 13.6 40.7

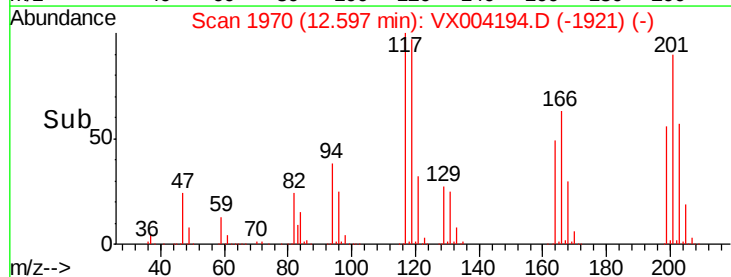
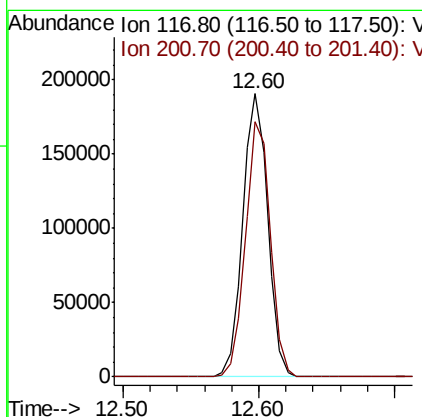
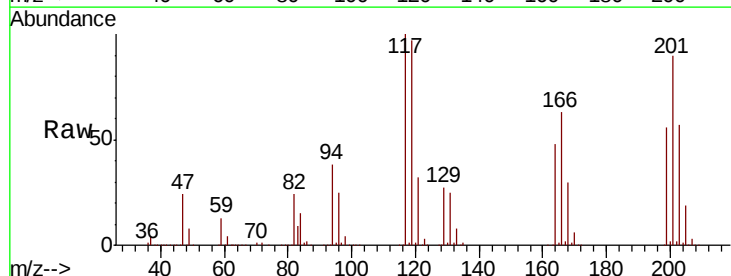
Manual Integrations
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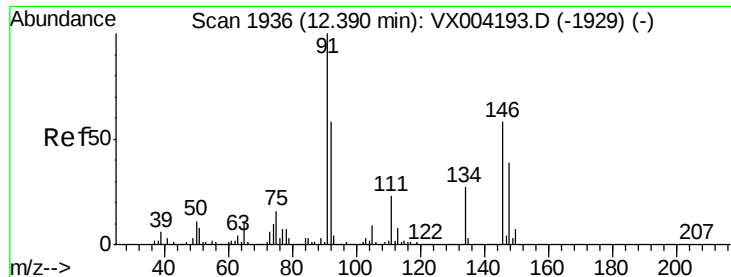
MMDadoda
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#90
Hexachloroethane
Concen: 106.07 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004194.D
Acq: 22 Aug 2018 12:08

Tgt Ion: 117 Resp: 243279
Ion Ratio Lower Upper
117 100
201 90.4 46.9 140.6





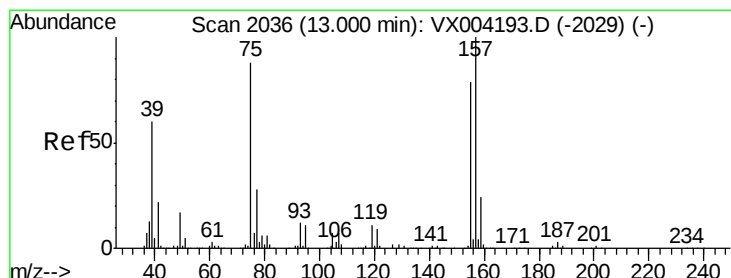
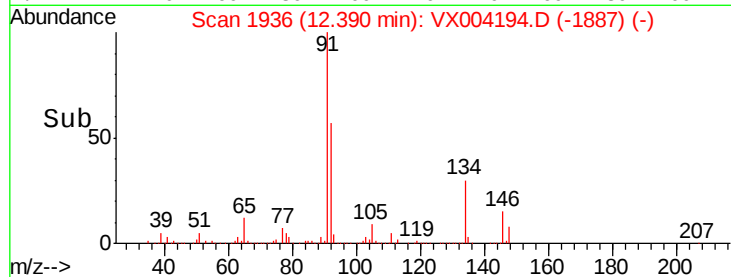
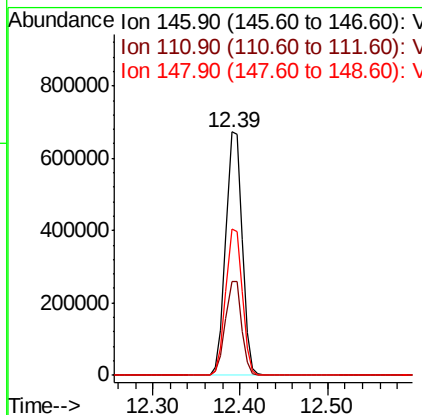
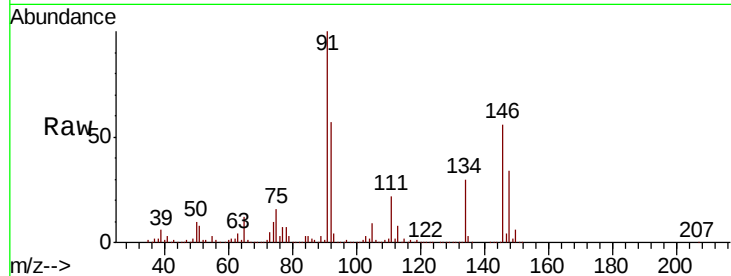
#91
 1,2-Dichlorobenzene
 Concen: 97.80 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004194.D
 Acq: 22 Aug 2018 12:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.1
148	60.7	32.8	98.3

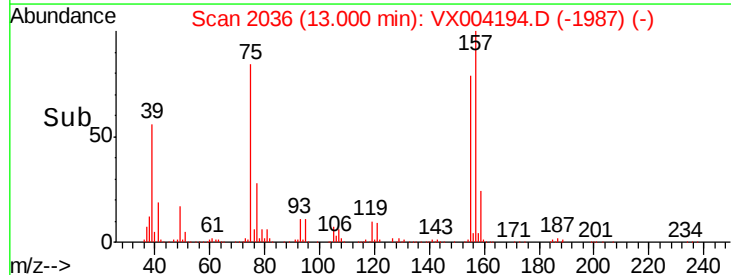
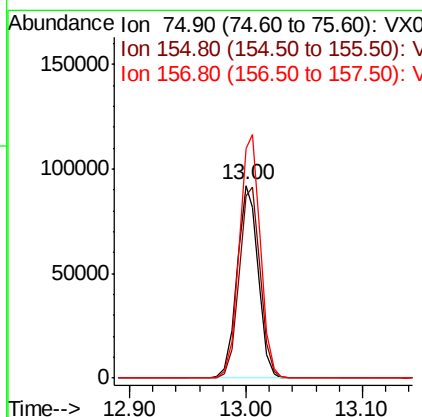
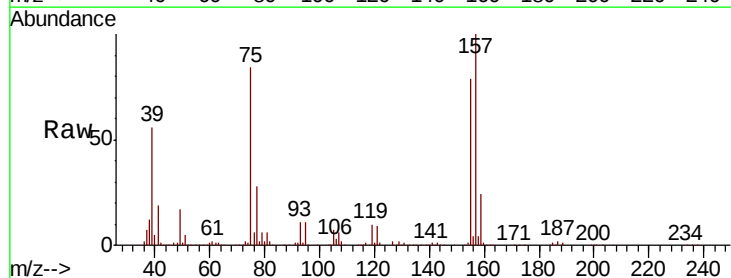
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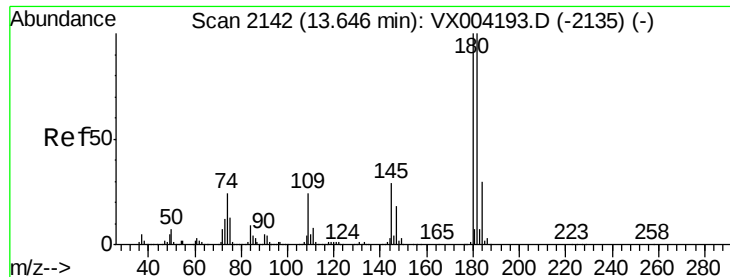
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 8/23/2018 9:39:59 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 101.47 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004194.D
 Acq: 22 Aug 2018 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.8	48.0	144.2
157	126.1	61.4	184.1





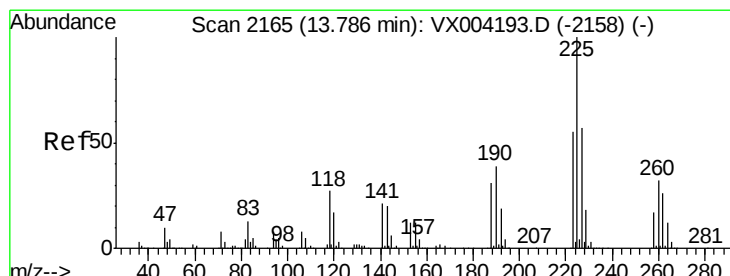
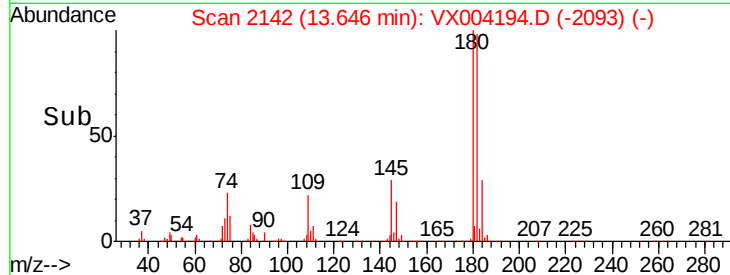
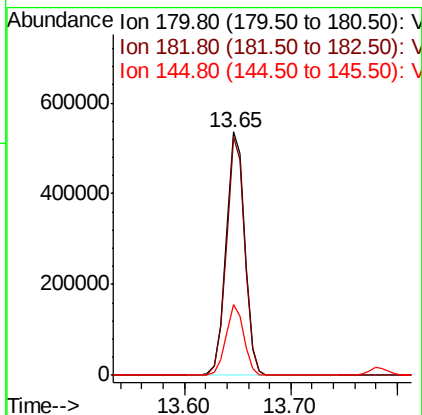
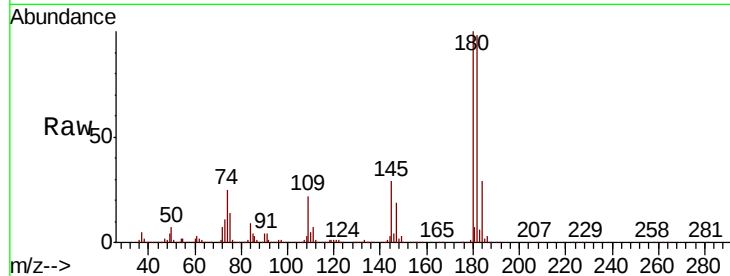
#93
 1,2,4-Trichlorobenzene
 Concen: 101.01 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004194.D
 Acq: 22 Aug 2018 12:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	180	Resp:	656662
Ion Ratio	Lower	Upper	
180	100		
182	96.5	48.4	145.0
145	28.1	14.3	42.9

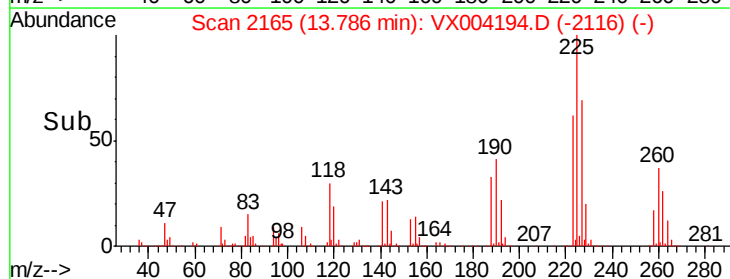
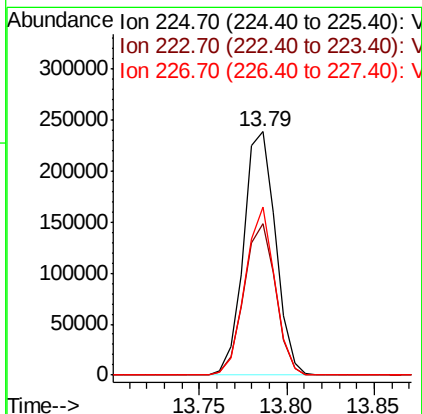
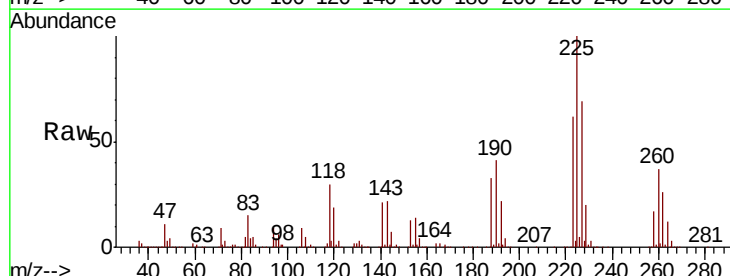
Manual Integrations
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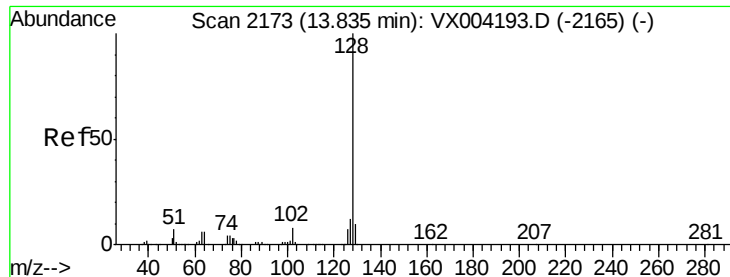
MMDadoda
 8/23/2018 9:39:59 AM



#94
 Hexachlorobutadiene
 Concen: 94.87 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004194.D
 Acq: 22 Aug 2018 12:08

Tgt Ion:	225	Resp:	302767
Ion Ratio	Lower	Upper	
225	100		
223	61.6	30.1	90.5
227	64.3	30.8	92.4





#95

Naphthalene

Concen: 109.03 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 2004622

Ion Ratio Lower Upper

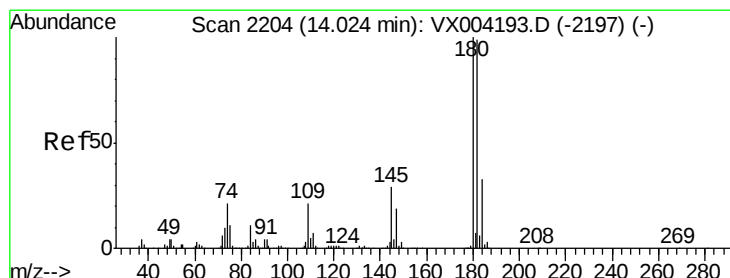
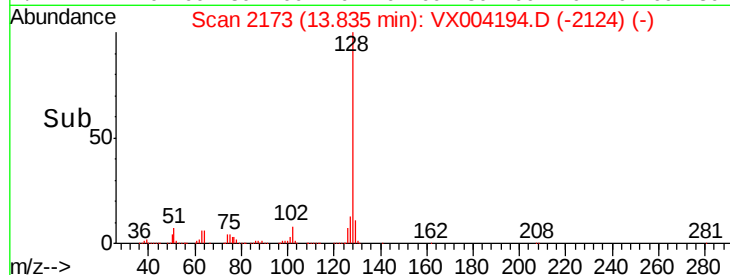
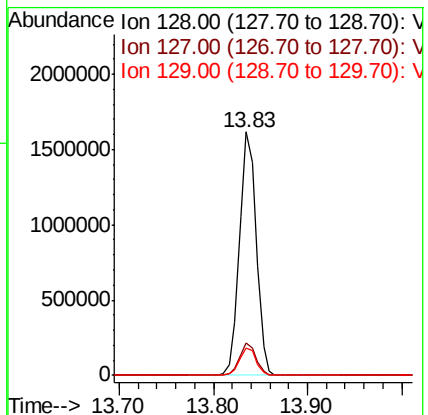
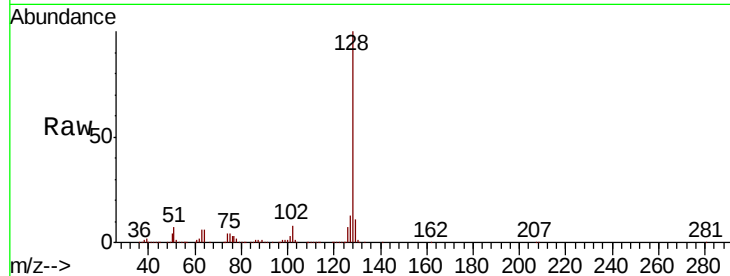
128 100

127 13.0 10.2 15.2

129 11.1 8.6 12.8

Manual Integrations
APPROVED

MMDadoda
8/23/2018 9:39:59 AM



#96

1,2,3-Trichlorobenzene

Concen: 101.12 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004194.D

Acq: 22 Aug 2018 12:08

Tgt Ion:180 Resp: 695917

Ion Ratio Lower Upper

180 100

182 95.7 48.5 145.6

145 29.7 14.9 44.9

