

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082718\
 Data File : VX004266.D
 Acq On : 27 Aug 2018 17:36
 Operator : JC/MD
 Sample : VX0827MBSD01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0827MBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/28/2018 3:54:29 PM

Quant Time: Aug 28 01:19:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	304064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	447648	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	428583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	257586	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	199938	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
35) Dibromofluoromethane	5.49	113	167472	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
50) Toluene-d8	8.71	98	613686	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
62) 4-Bromofluorobenzene	11.14	95	236686	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	60235	17.10	ug/l	98
3) Chloromethane	1.32	50	74144	19.23	ug/l	99
4) Vinyl Chloride	1.40	62	71842	18.03	ug/l	100
5) Bromomethane	1.64	94	38035	18.07	ug/l	97
6) Chloroethane	1.72	64	49446	16.84	ug/l	98
7) Trichlorofluoromethane	1.93	101	93164	17.06	ug/l	95
8) Diethyl Ether	2.18	74	49114	21.01	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	57144	16.71	ug/l	99
10) Methyl Iodide	2.51	142	39735	13.68	ug/l	98
11) Tert butyl alcohol	3.06	59	96539	114.28	ug/l	99
12) 1,1-Dichloroethene	2.37	96	57570	17.87	ug/l	95
13) Acrolein	2.29	56	20068	98.53	ug/l	96
14) Allyl chloride	2.73	41	113159	19.12	ug/l	99
15) Acrylonitrile	3.15	53	216816	103.63	ug/l	100
16) Acetone	2.44	43	188117	111.82	ug/l	99
17) Carbon Disulfide	2.57	76	139636	16.16	ug/l	99
18) Methyl Acetate	2.78	43	138898	23.62	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	228921	21.56	ug/l	99
20) Methylene Chloride	2.86	84	74407	19.50	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	64627	18.13	ug/l	98
22) Diisopropyl ether	3.87	45	229454	20.77	ug/l	98
23) Vinyl Acetate	3.82	43	928161	103.64	ug/l	100
24) 1,1-Dichloroethane	3.70	63	124939	19.40	ug/l	99
25) 2-Butanone	4.70	43	291911	108.31	ug/l	99
26) 2,2-Dichloropropane	4.58	77	95618	18.93	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	78523	19.42	ug/l	99
28) Bromochloromethane	5.01	49	58161	20.40	ug/l	99
29) Tetrahydrofuran	5.16	42	183429	107.73	ug/l	98
30) Chloroform	5.21	83	124505	19.28	ug/l	99
31) Cyclohexane	5.57	56	91239	16.42	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	97715	18.15	ug/l	99
36) 1,1-Dichloropropene	5.79	75	88618	17.61	ug/l	98
37) Ethyl Acetate	4.85	43	105061	21.23	ug/l	99
38) Carbon Tetrachloride	5.78	117	80729	17.05	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	87343	15.20	ug/l	99
40) Benzene	6.14	78	289528	19.25	ug/l	100
41) Methacrylonitrile	5.06	41	60185	20.98	ug/l	99
42) 1,2-Dichloroethane	6.20	62	101787	19.84	ug/l	100
43) Isopropyl Acetate	6.46	43	162142	21.32	ug/l	100
44) Trichloroethene	7.21	130	77558	18.63	ug/l	97
45) 1,2-Dichloropropane	7.51	63	73695	19.58	ug/l	100
46) Dibromomethane	7.66	93	48781	19.47	ug/l	99
47) Bromodichloromethane	7.90	83	87268	18.72	ug/l	100
48) Methyl methacrylate	7.77	41	83558	20.53	ug/l	98
49) 1,4-Dioxane	7.76	88	39346	425.85	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	554758	100.39	ug/l	99
52) Toluene	8.78	92	183710	19.52	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	100727	19.56	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	111777	19.92	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	78177	20.57	ug/l	97
56) Ethyl methacrylate	9.18	69	108535	20.98	ug/l	99
57) 1,3-Dichloropropane	9.37	76	130574	20.39	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	293932	110.90	ug/l	100
59) 2-Hexanone	9.49	43	427725	101.46	ug/l	99
60) Dibromochloromethane	9.59	129	70284	18.98	ug/l	100
61) 1,2-Dibromoethane	9.67	107	80119	20.37	ug/l	99
64) Tetrachloroethene	9.34	164	74070	17.49	ug/l	98
65) Chlorobenzene	10.14	112	207842	19.32	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	71562	19.29	ug/l	99
67) Ethyl Benzene	10.25	91	330283	18.91	ug/l	99
68) m/p-Xylenes	10.36	106	267880	39.22	ug/l	98
69) o-Xylene	10.70	106	127541	19.74	ug/l	100
70) Styrene	10.71	104	211761	20.24	ug/l	99
71) Bromoform	10.86	173	53180	17.78	ug/l #	98
73) Isopropylbenzene	11.02	105	331306	19.58	ug/l	100
74) N-amyl acetate	10.90	43	133433	20.48	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	119681	20.21	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	111151m	21.22	ug/l	
77) Bromobenzene	11.26	156	95036	20.03	ug/l	98
78) n-propylbenzene	11.36	91	376132	19.33	ug/l	100
79) 2-Chlorotoluene	11.42	91	235130	19.63	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	267981	19.13	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	32018	19.83	ug/l	97
82) 4-Chlorotoluene	11.51	91	273536	19.41	ug/l	99
83) tert-Butylbenzene	11.77	119	268211	19.03	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	289486	20.13	ug/l	100
85) sec-Butylbenzene	11.94	105	308193	18.42	ug/l	99
86) p-Isopropyltoluene	12.07	119	283154	18.88	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	173412	19.41	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	179332	19.04	ug/l	98
89) n-Butylbenzene	12.39	91	219585	18.01	ug/l	98
90) Hexachloroethane	12.60	117	35726	17.04	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	164493	20.14	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21001	20.14	ug/l	97

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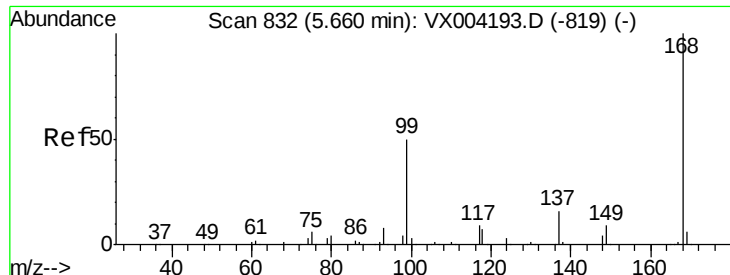
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	110696	18.63	ug/l	98
94) Hexachlorobutadiene	13.79	225	42918	15.43	ug/l	96
95) Naphthalene	13.83	128	376882	22.43	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	125340	19.93	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: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion:168 Resp: 304064

Ion Ratio Lower Upper

168 100

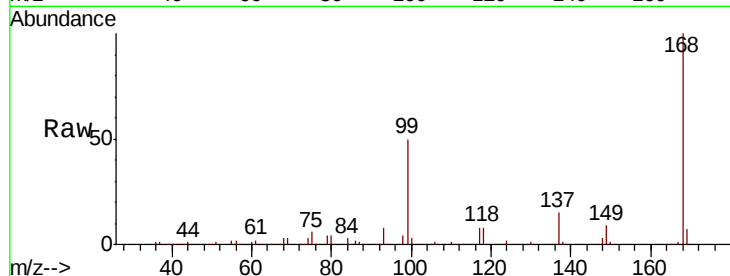
99 49.6 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

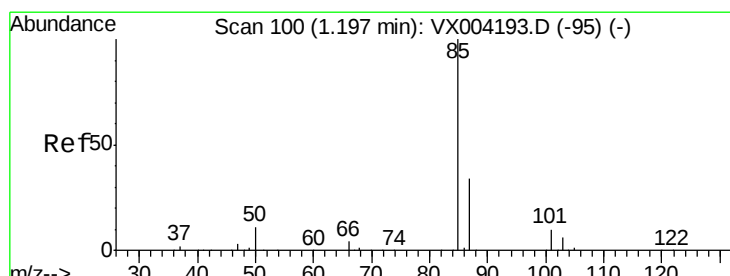
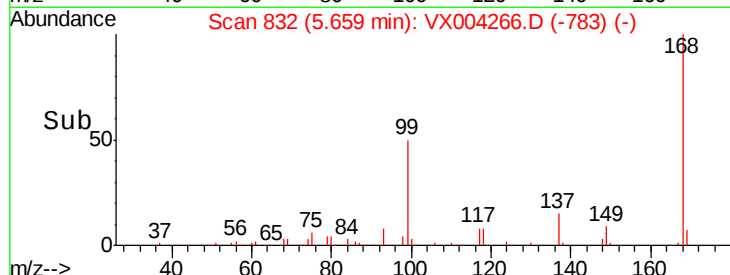
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.10 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004266.D

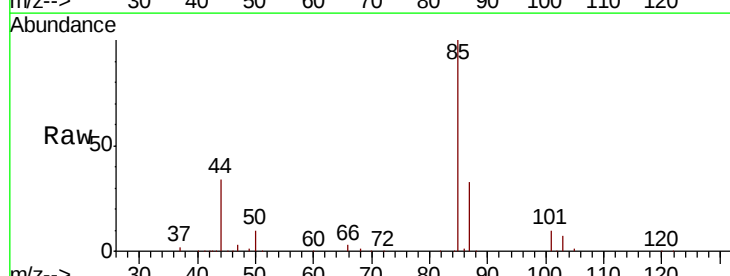
Acq: 27 Aug 2018 17:36

Tgt Ion: 85 Resp: 60235

Ion Ratio Lower Upper

85 100

87 32.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

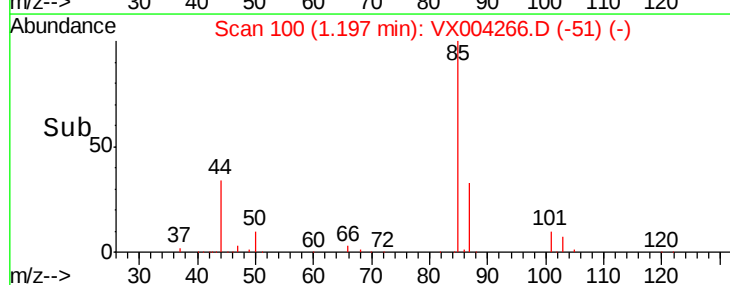
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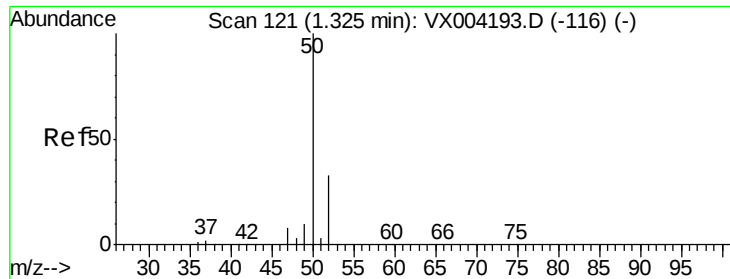
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.23 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion: 50 Resp: 74144

Ion Ratio Lower Upper

50 100

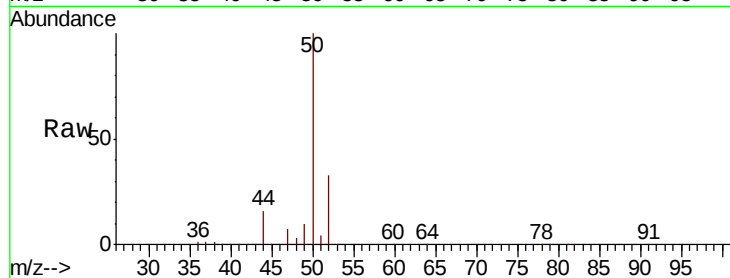
52 33.3 26.2 39.2

Manual Integrations

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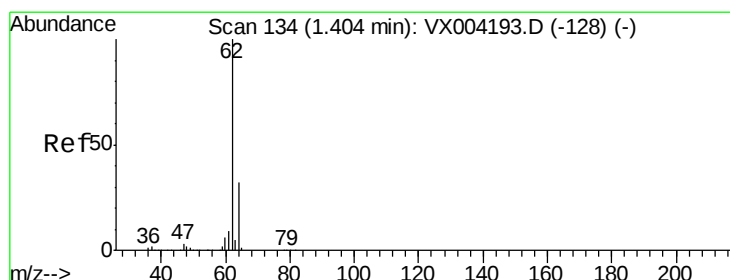
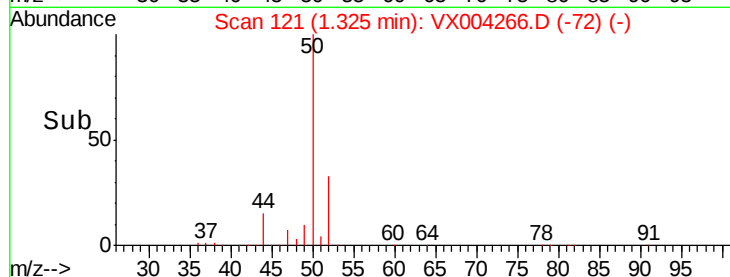
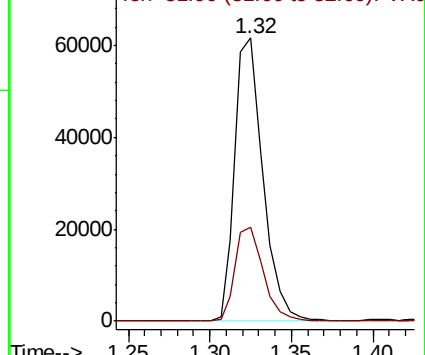
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.03 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004266.D

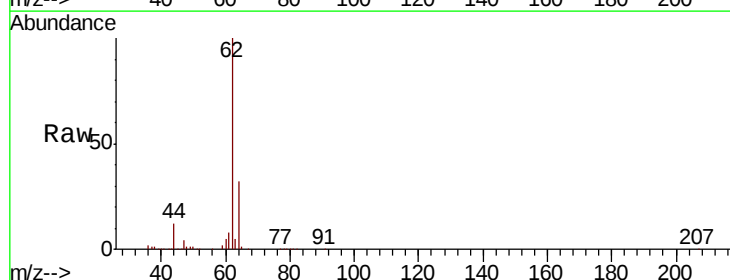
Acq: 27 Aug 2018 17:36

Tgt Ion: 62 Resp: 71842

Ion Ratio Lower Upper

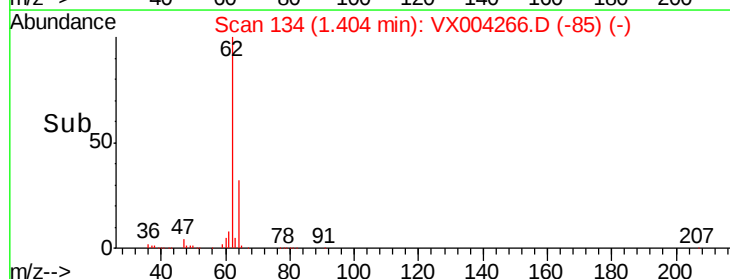
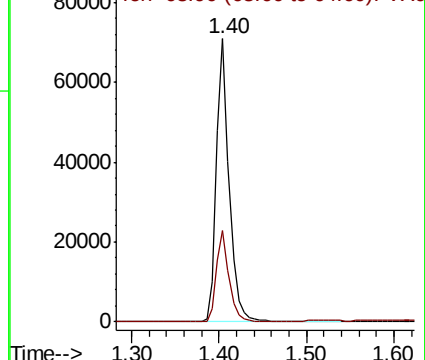
62 100

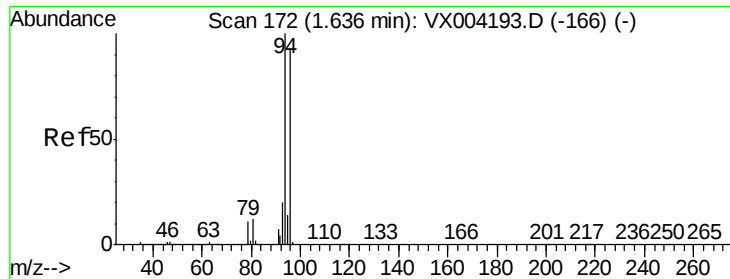
64 32.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.07 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion: 94 Resp: 38035

Ion Ratio Lower Upper

94 100

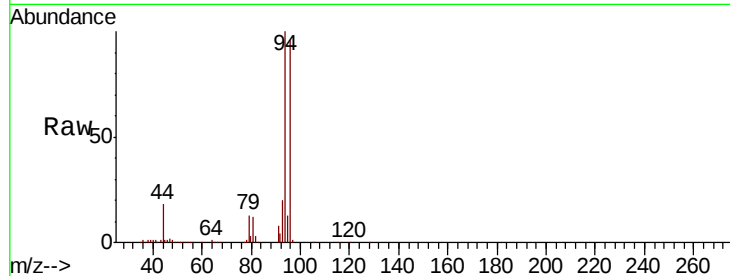
96 95.9 74.5 111.7

Manual Integrations

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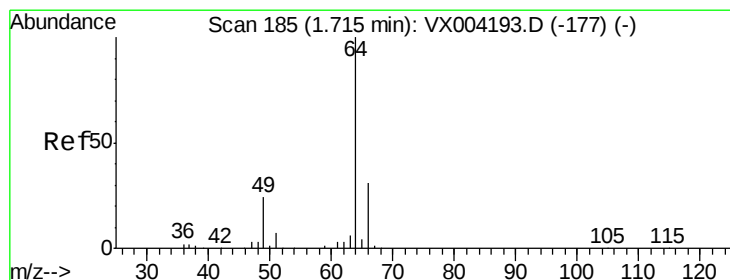
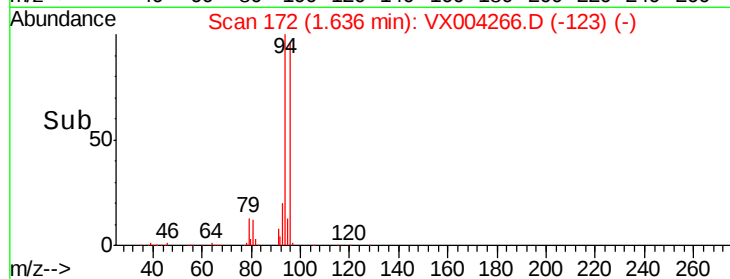
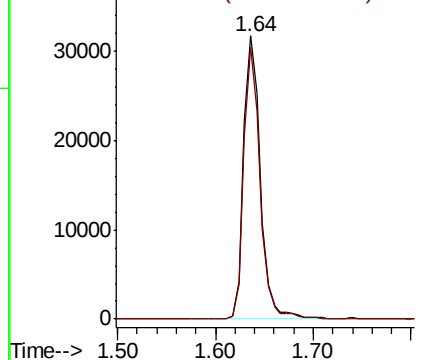
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 16.84 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004266.D

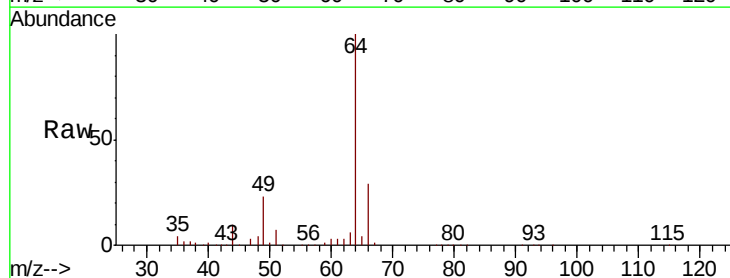
Acq: 27 Aug 2018 17:36

Tgt Ion: 64 Resp: 49446

Ion Ratio Lower Upper

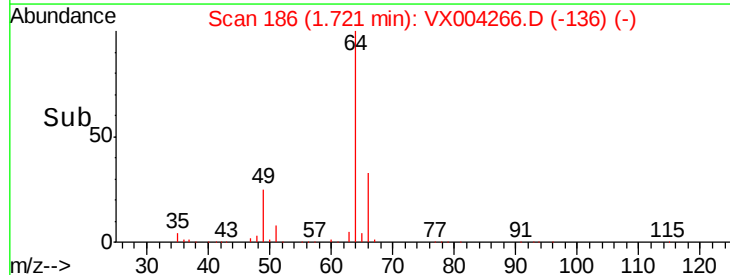
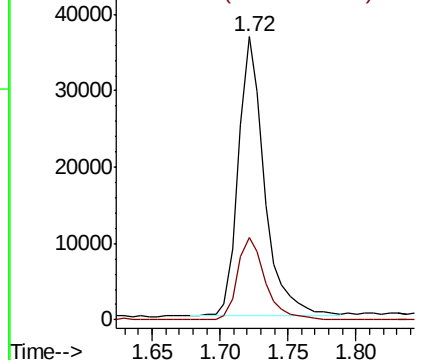
64 100

66 29.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

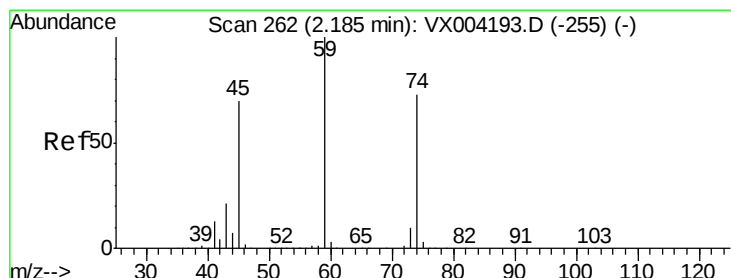
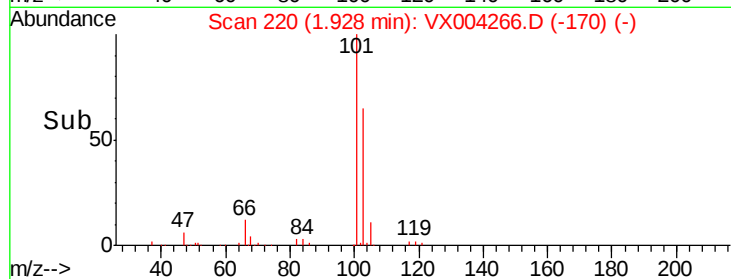
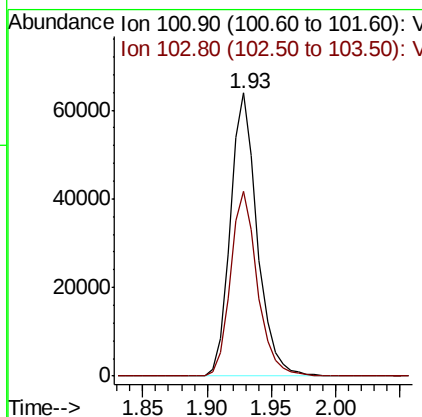
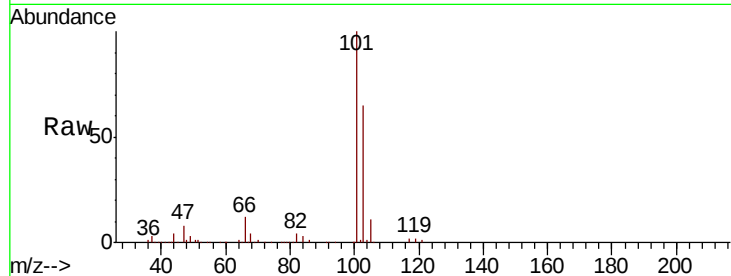
Trichlorofluoromethane
 Concen: 17.06 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Instrument :
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 VX0827MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		93164		
103	65.2	48.9	73.3		

Manual Integrations
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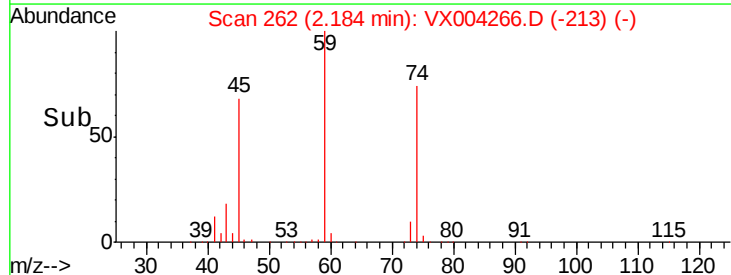
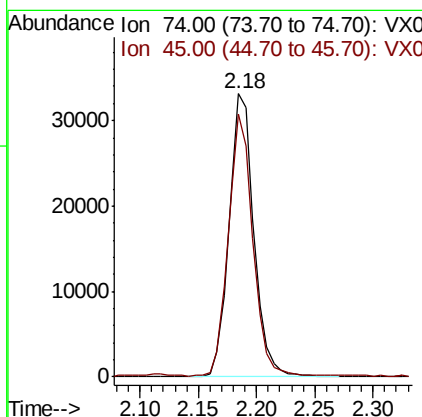
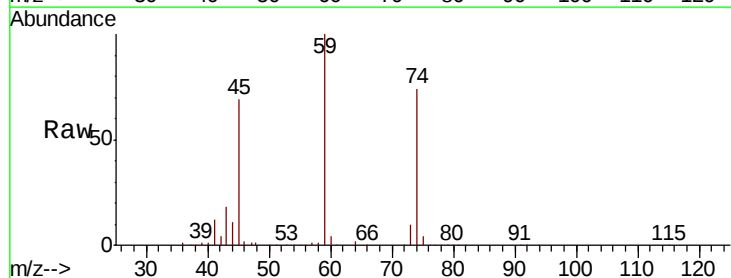
MMDadoda
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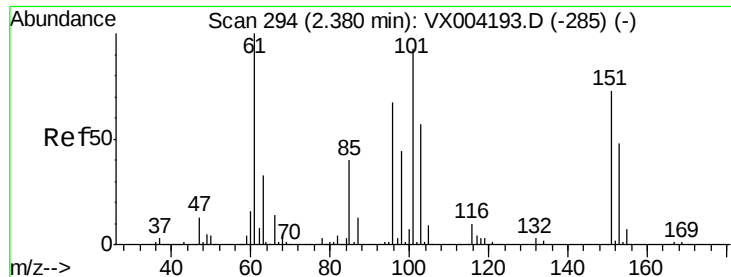


#8

Diethyl Ether
 Concen: 21.01 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		49114		
45	90.9	48.3	144.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.71 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

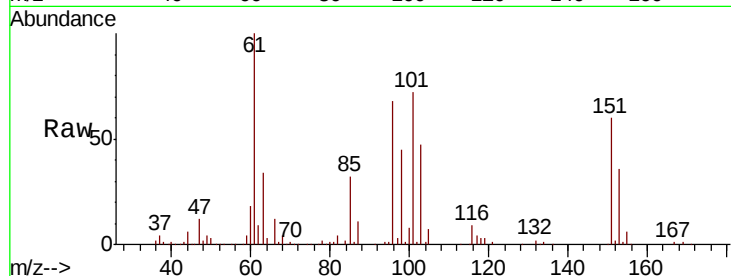
ClientSampleId :

VX0827MBSD01

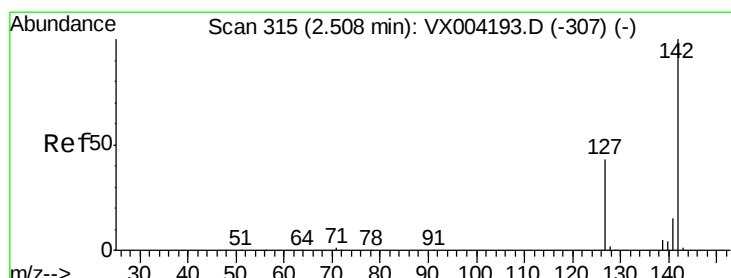
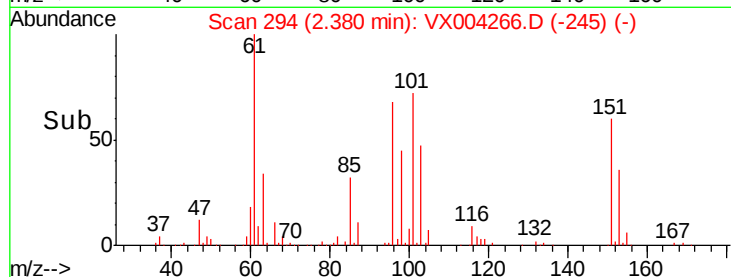
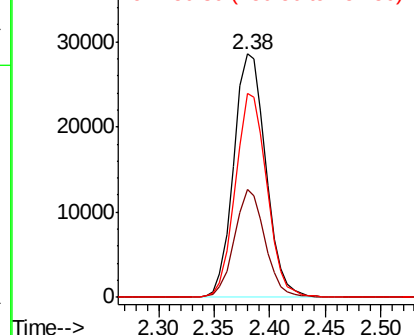
Tot Ion:	101	Resp:	57144
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.2	51.4
151	82.3	65.0	97.6

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 13.68 ug/l

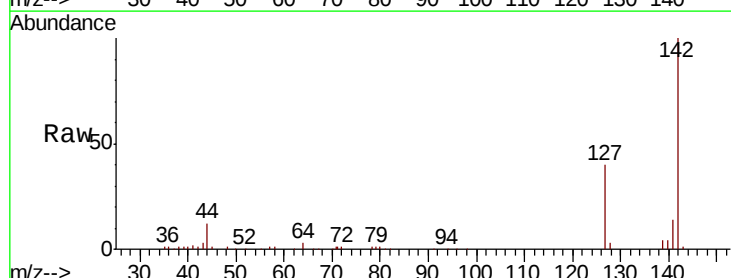
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

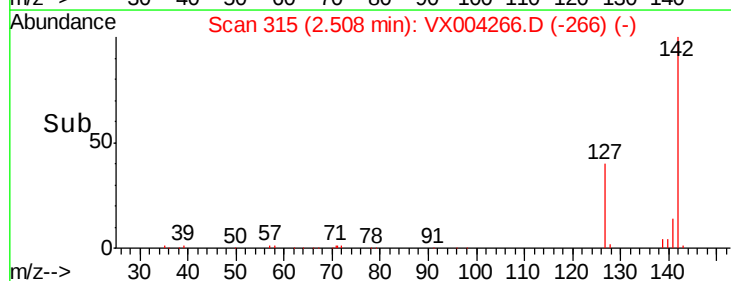
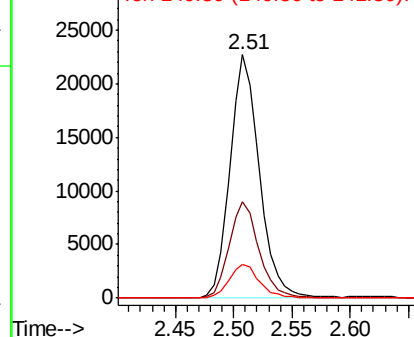
Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Tgt Ion:	142	Resp:	39735
Ion Ratio	Lower	Upper	
142	100		
127	40.4	33.8	50.6
141	14.1	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





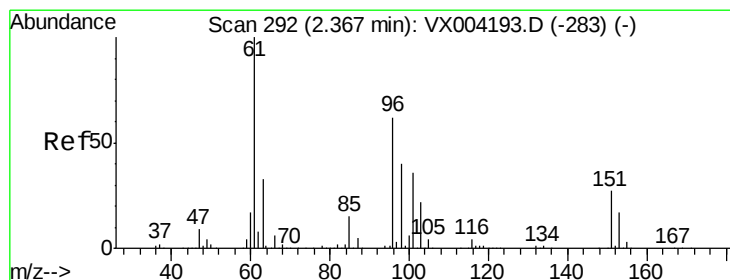
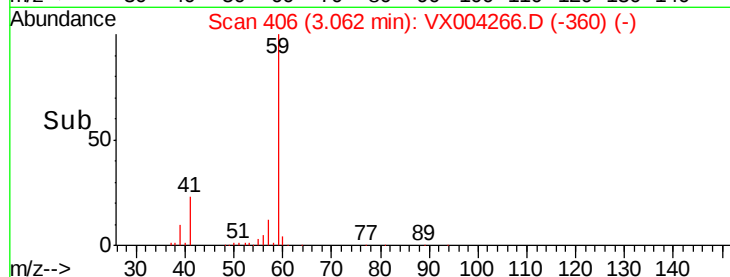
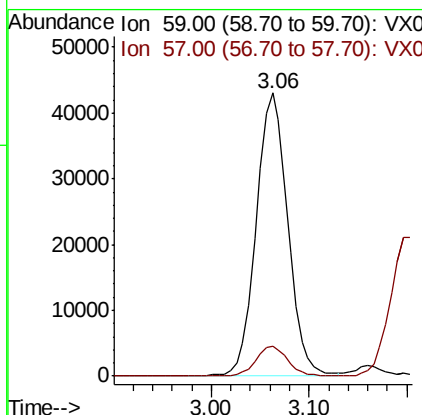
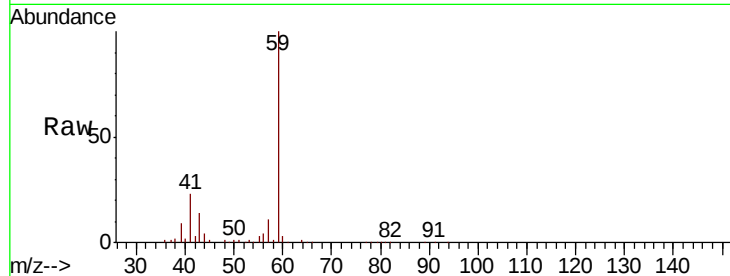
#11
Tert butyl alcohol
Concen: 114.28 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX004266.D
Acq: 27 Aug 2018 17:36

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion	59	Resp	96539
Ion Ratio	100	Lower	Upper
57	10.7	8.2	12.4

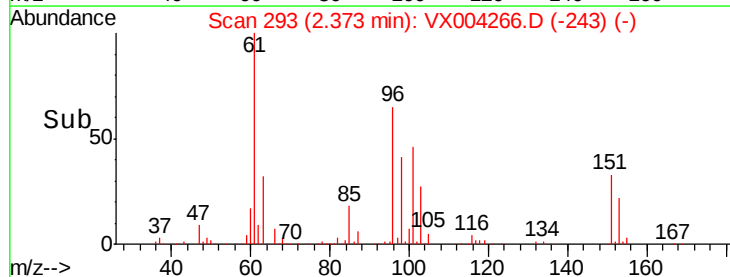
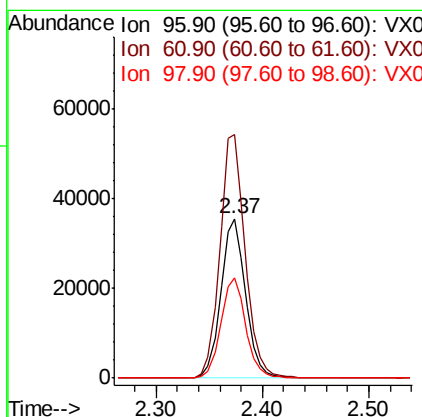
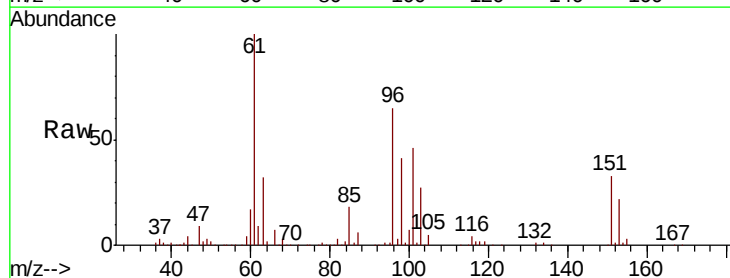
Manual Integrations
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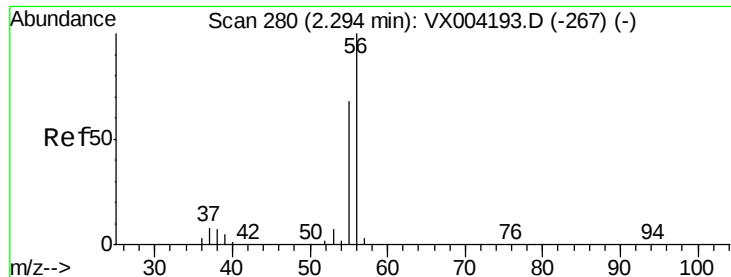
MMDadoda
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#12
1,1-Dichloroethene
Concen: 17.87 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX004266.D
Acq: 27 Aug 2018 17:36

Tgt Ion	96	Resp	57570
Ion Ratio	100	Lower	Upper
61	152.7	128.8	193.2
98	63.2	52.2	78.2





#13

Acrolein

Concen: 98.53 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion: 56 Resp: 20068

Ion Ratio Lower Upper

56 100

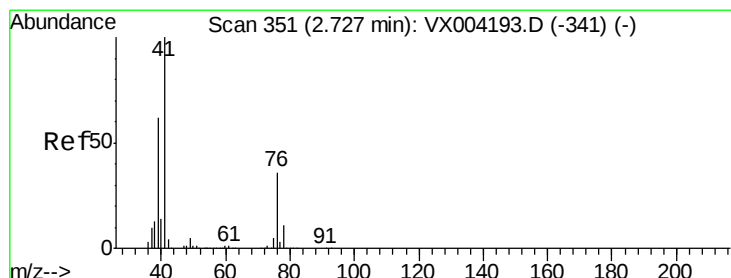
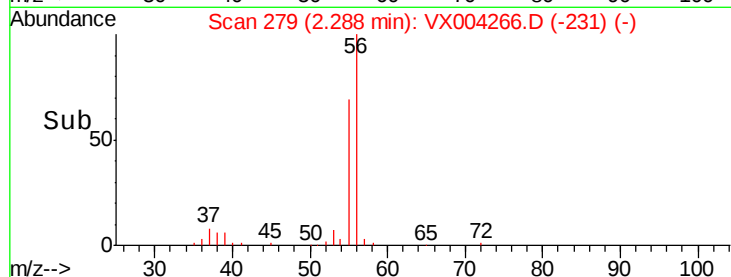
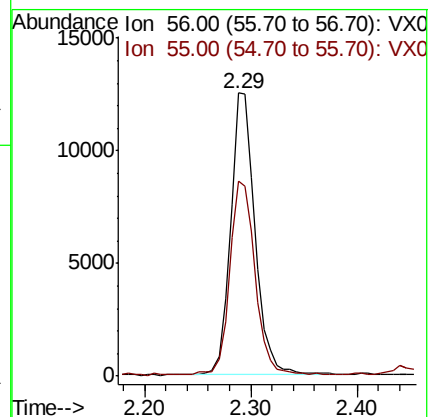
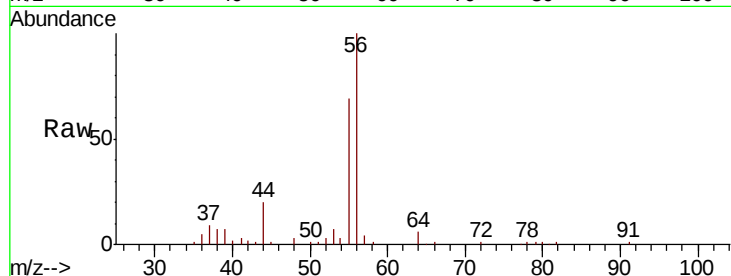
55 71.8 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.12 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

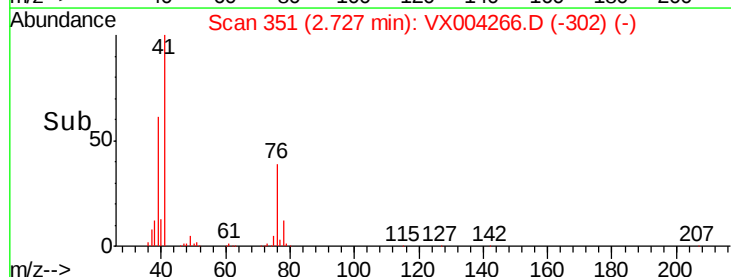
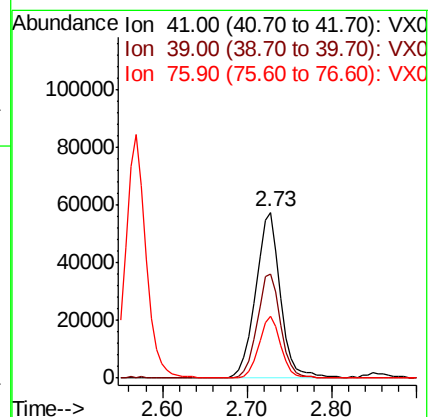
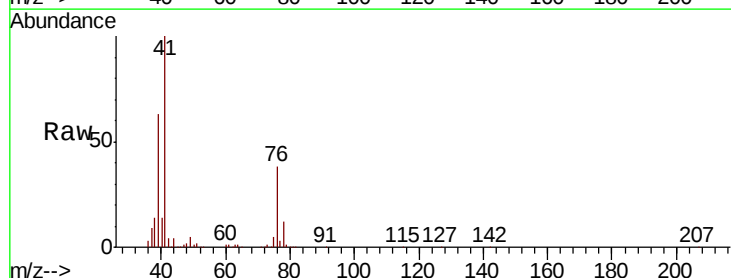
Tgt Ion: 41 Resp: 113159

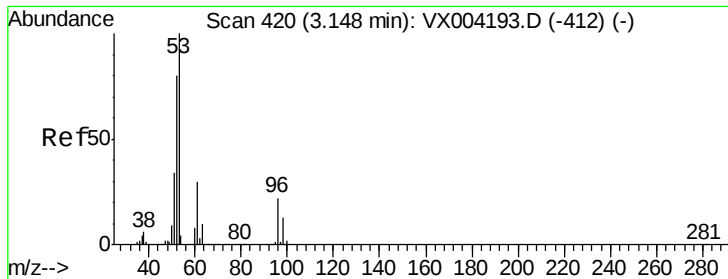
Ion Ratio Lower Upper

41 100

39 59.6 48.9 73.3

76 33.5 26.7 40.1





#15

Acrylonitrile

Concen: 103.63 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

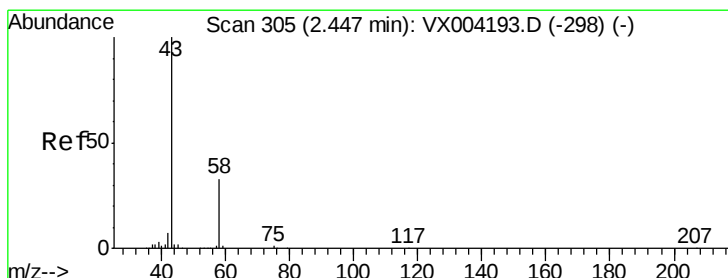
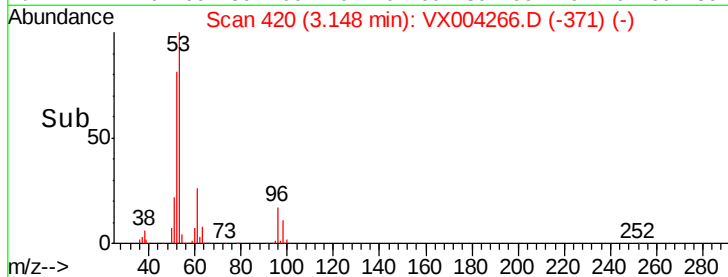
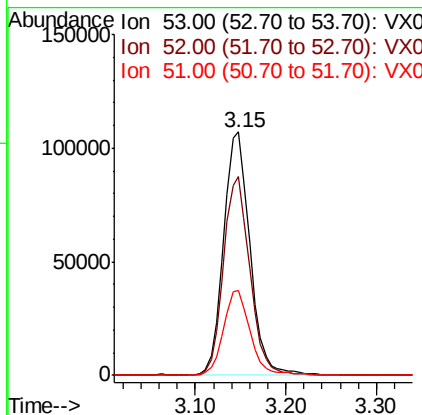
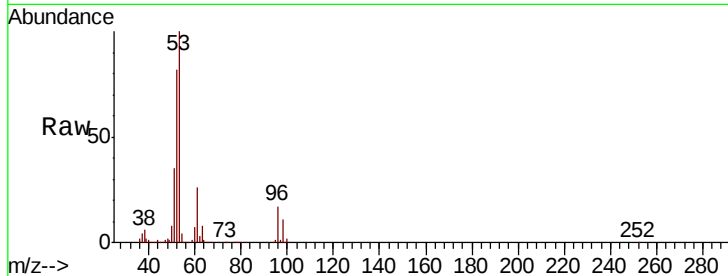
ClientSampleId :

VX0827MBSD01

Tot Ion:	53	Resp:	216816
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.2	97.8
51	35.3	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 111.82 ug/l

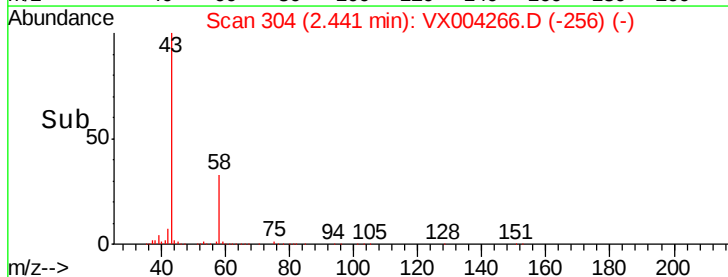
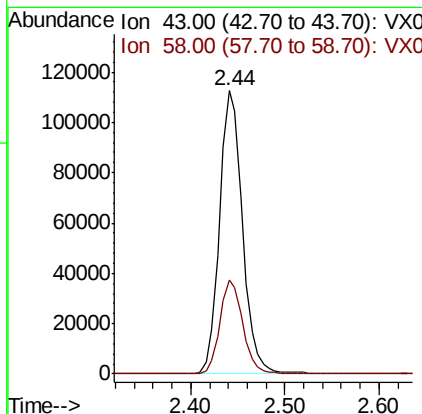
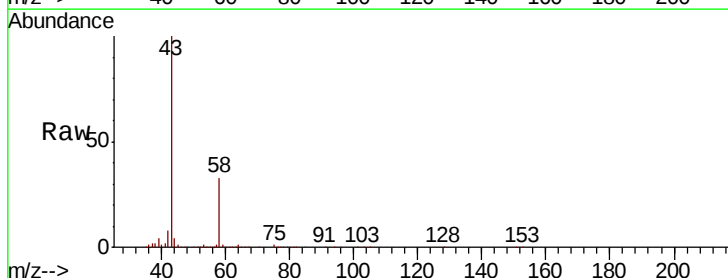
RT: 2.44 min Scan# 304

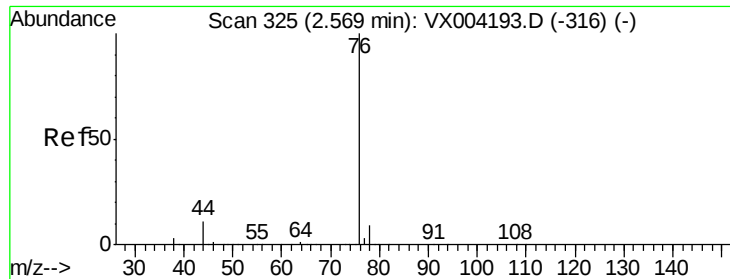
Delta R.T. -0.01 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Tgt Ion:	43	Resp:	188117
Ion Ratio	Lower	Upper	
43	100		
58	33.3	26.2	39.4





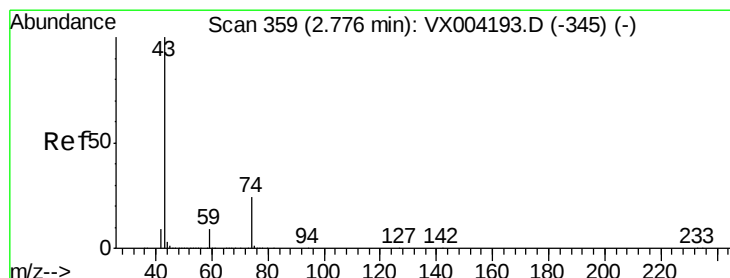
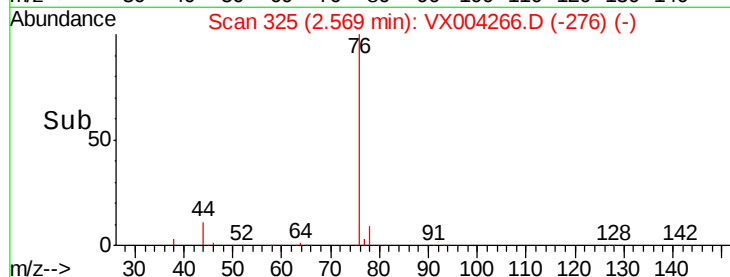
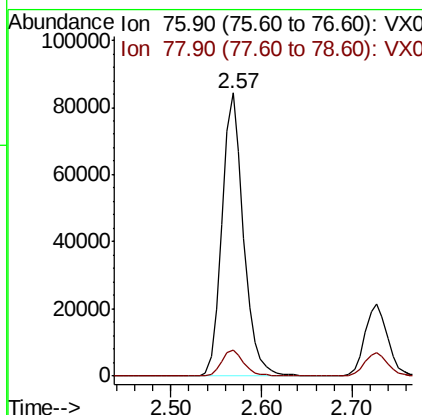
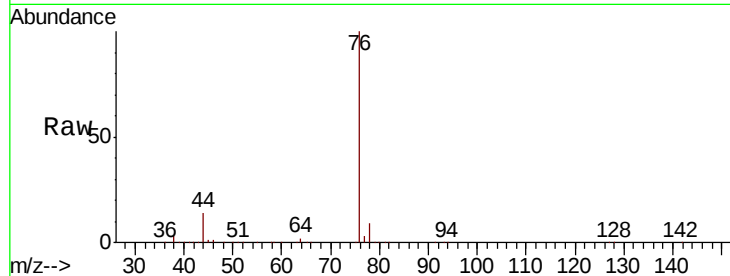
#17
Carbon Disulfide
Concen: 16.16 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004266.D
Acq: 27 Aug 2018 17:36

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

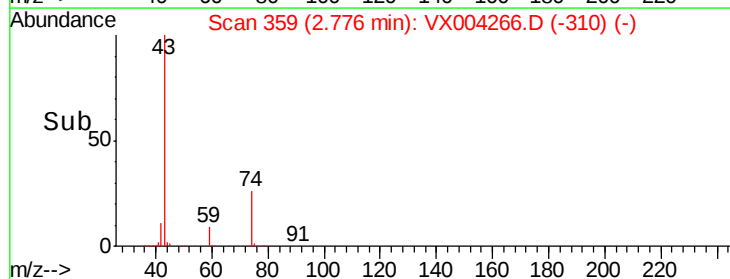
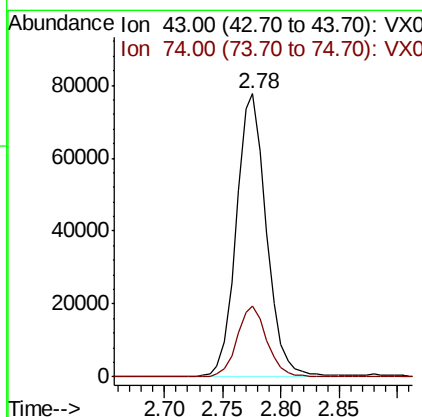
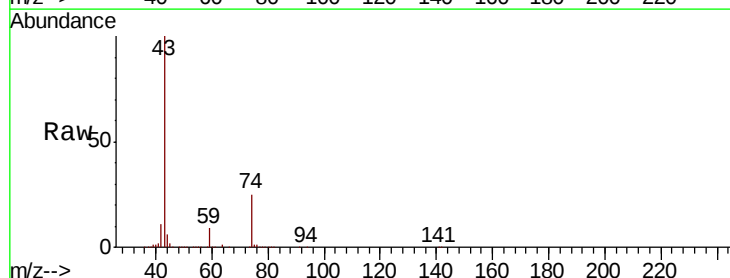
Manual Integrations
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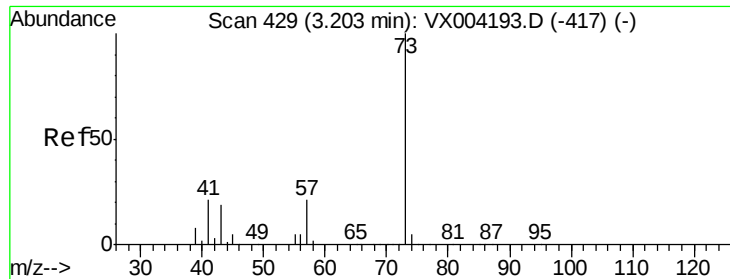
MMDadoda
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#18
Methyl Acetate
Concen: 23.62 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004266.D
Acq: 27 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.4	29.2





#19

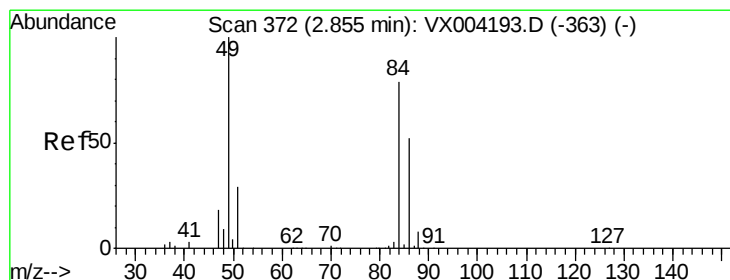
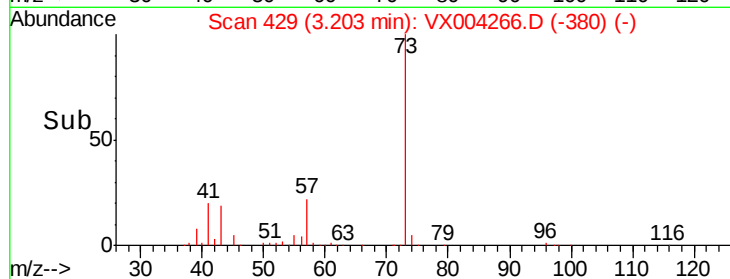
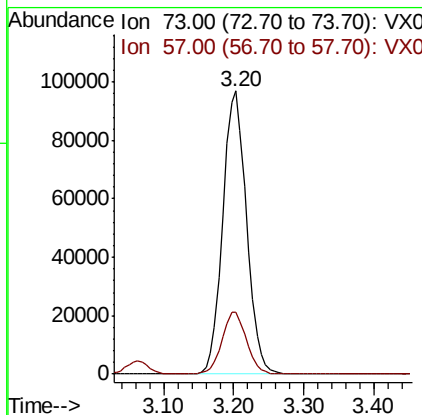
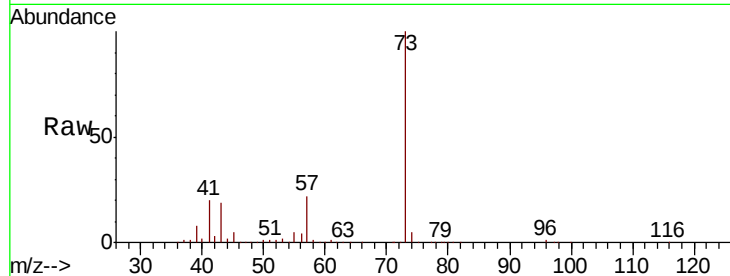
Methyl tert-butyl Ether
 Concen: 21.56 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.1	25.7

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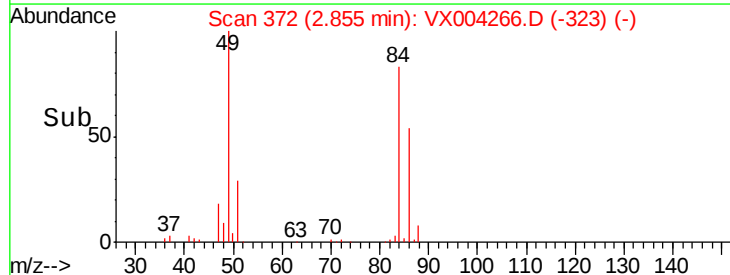
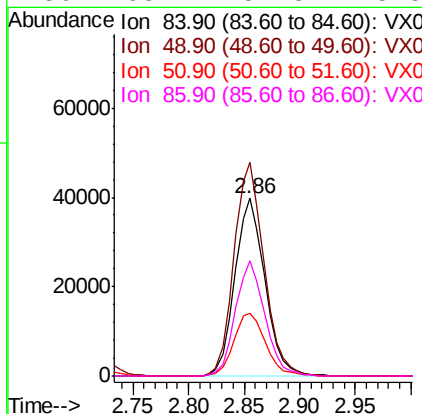
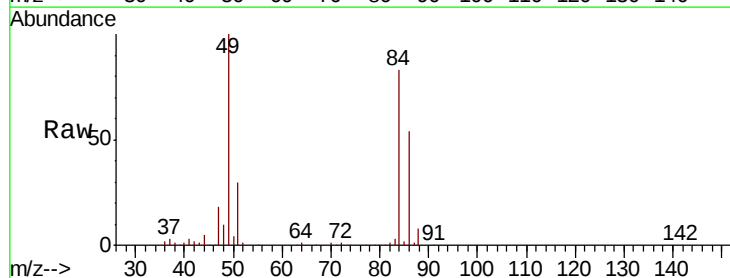
MMDadoda
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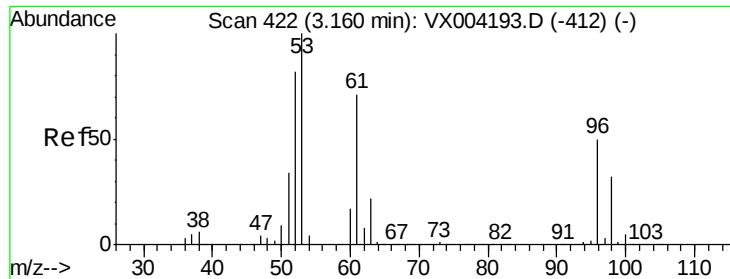


#20

Methylene Chloride
 Concen: 19.50 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.3	101.2	151.8
51	35.4	29.5	44.3
86	65.1	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 18.13 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

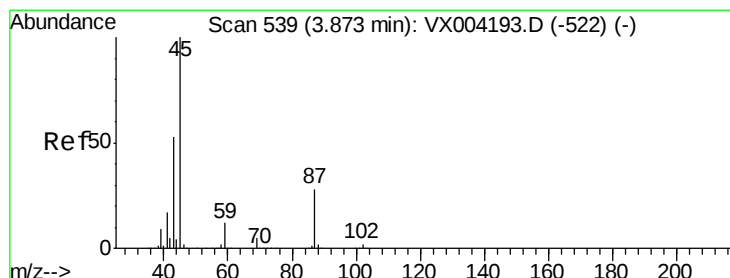
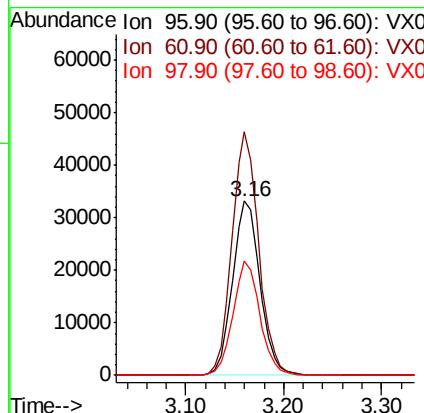
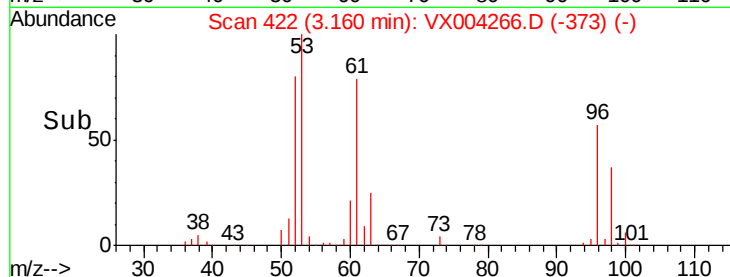
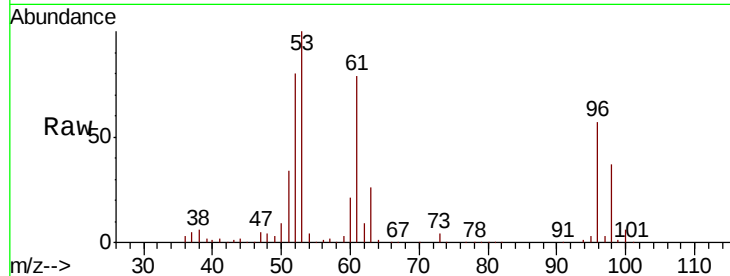
ClientSampleId :

VX0827MBSD01

Tot Ion:	96	Resp:	64627
Ion	Ratio	Lower	Upper
96	100		
61	139.8	113.8	170.6
98	65.7	51.8	77.8

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#22

Diisopropyl ether

Concen: 20.77 ug/l

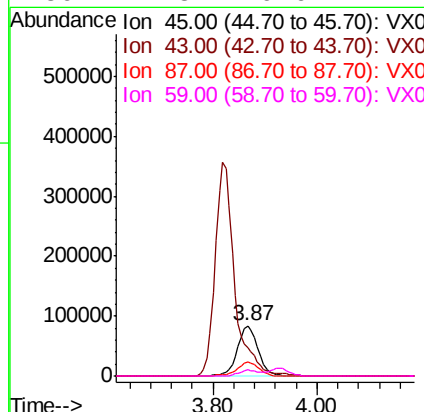
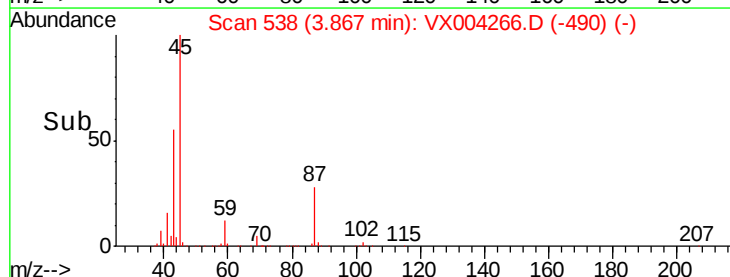
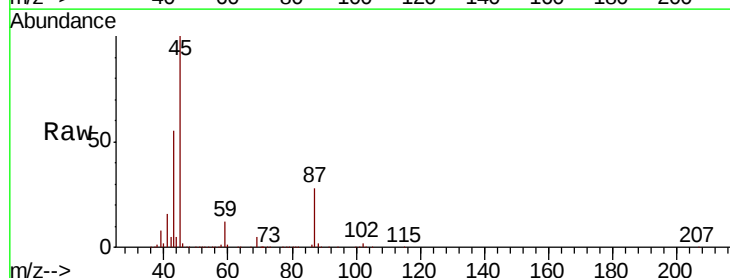
RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Tgt Ion:	45	Resp:	229454
Ion	Ratio	Lower	Upper
45	100		
43	55.0	42.8	64.2
87	27.9	22.6	34.0
59	11.8	9.6	14.4





#23

Vinyl Acetate

Concen: 103.64 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.01 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion: 43 Resp: 928161

Ion Ratio Lower Upper

43 100

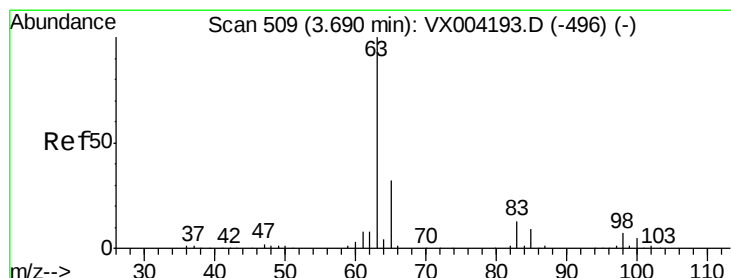
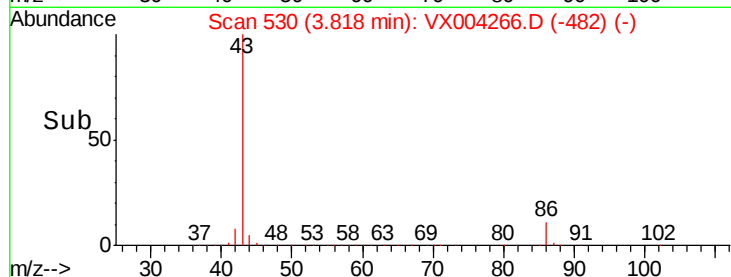
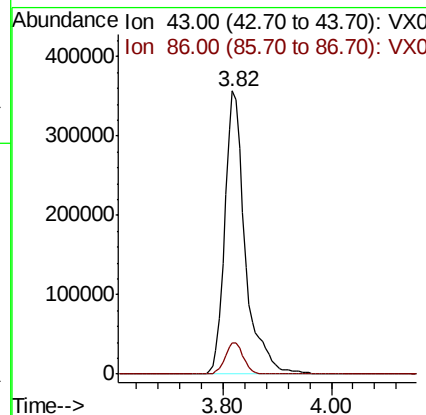
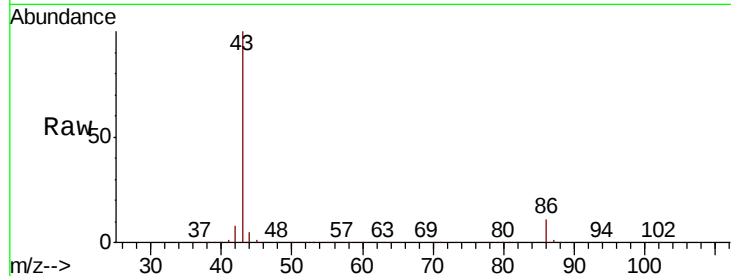
86 11.1 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.40 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.01 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

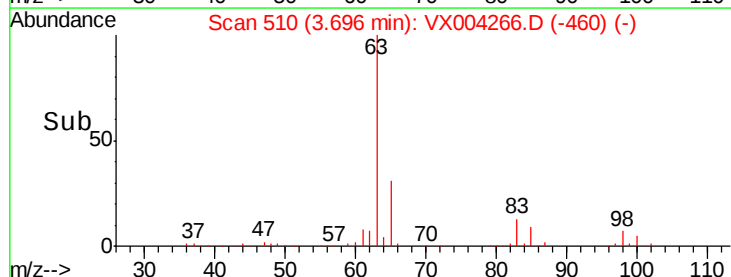
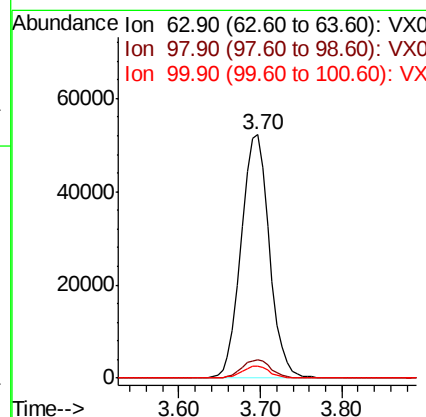
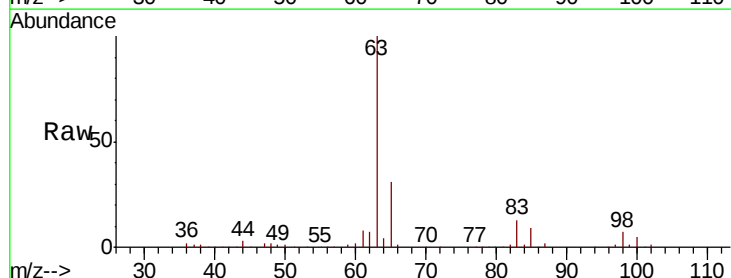
Tgt Ion: 63 Resp: 124939

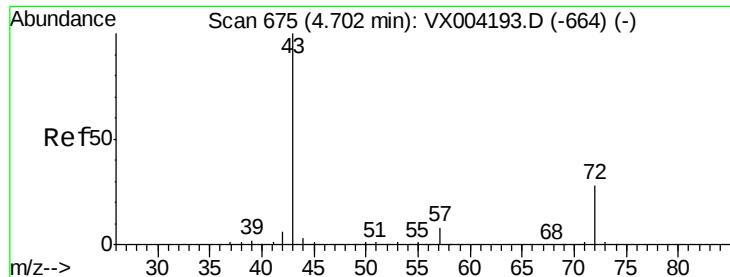
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

100 5.0 2.4 7.1





#25

2-Butanone

Concen: 108.31 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion: 43 Resp: 291911

Ion Ratio Lower Upper

43 100

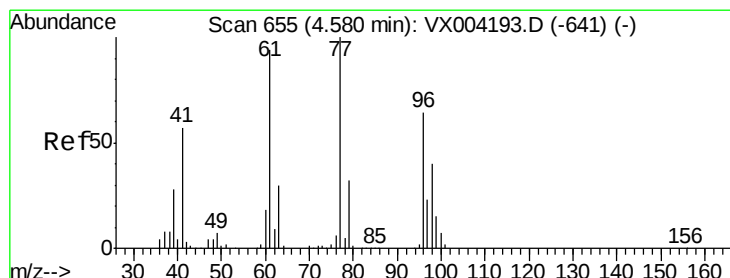
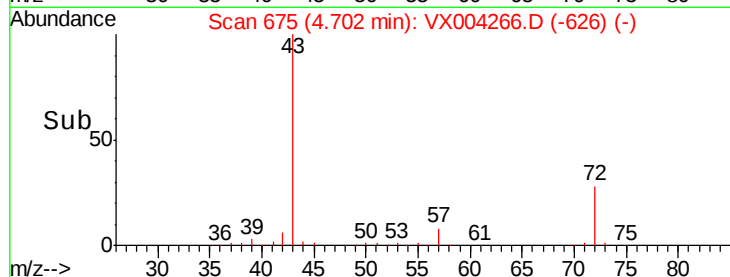
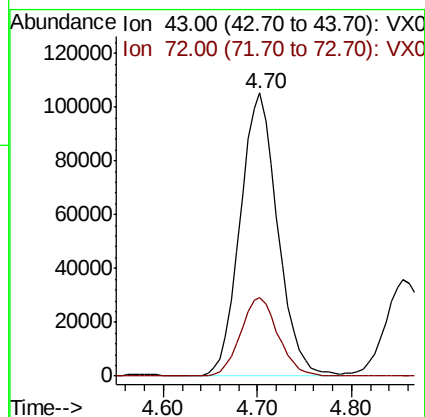
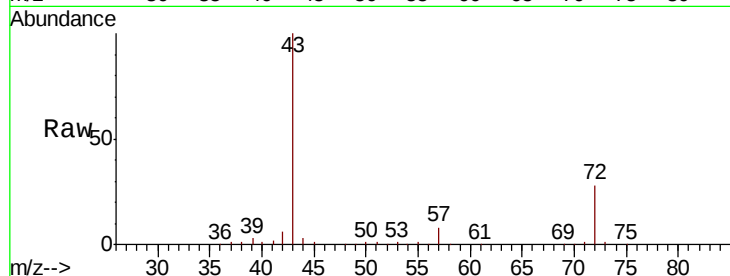
72 27.8 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.93 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004266.D

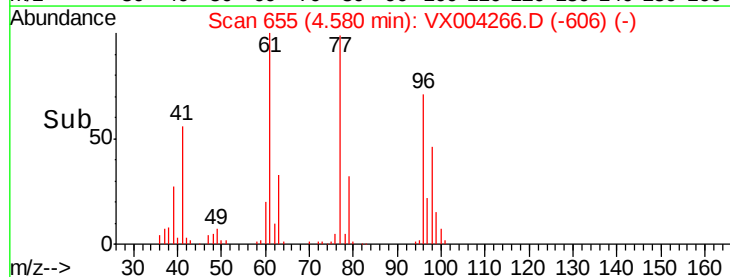
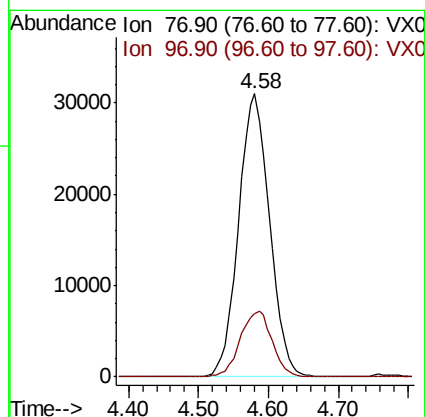
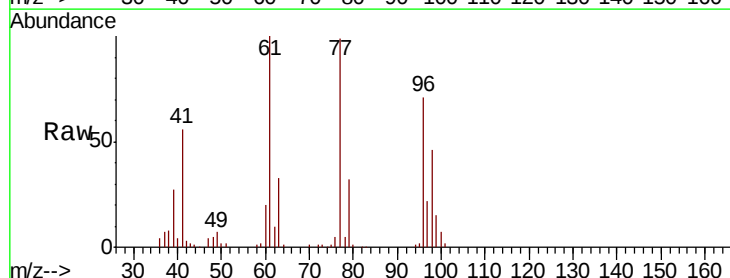
Acq: 27 Aug 2018 17:36

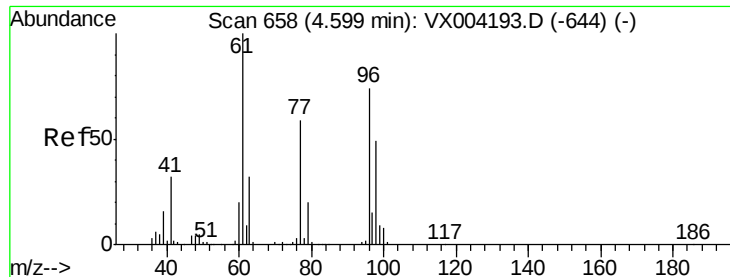
Tgt Ion: 77 Resp: 95618

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0





#27

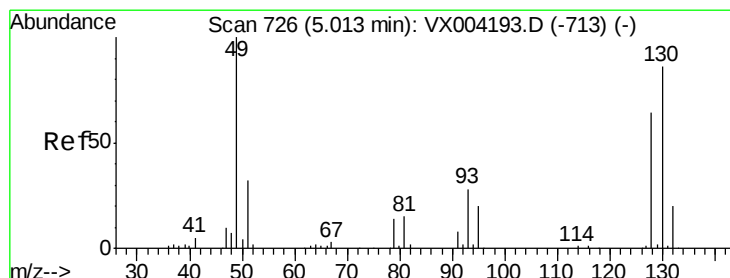
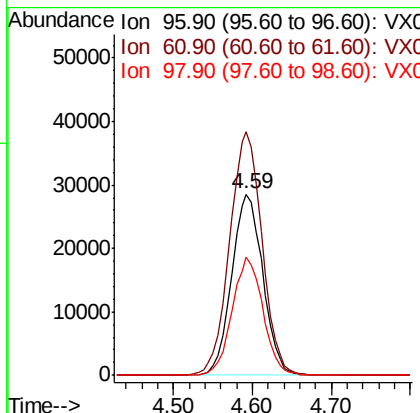
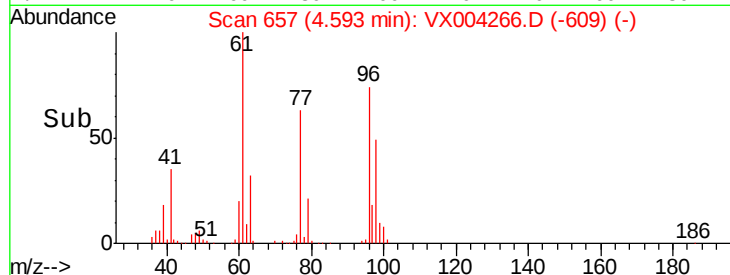
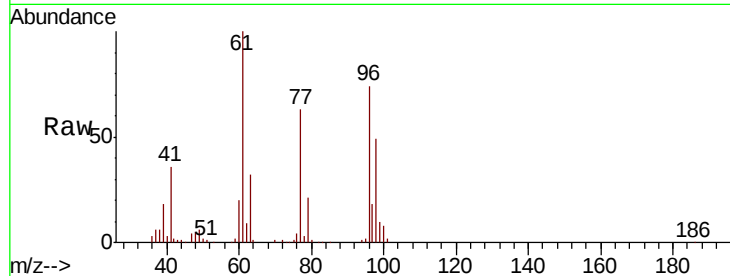
cis-1,2-Dichloroethene
 Concen: 19.42 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.7	0.0	282.6
98	64.3	0.0	130.2

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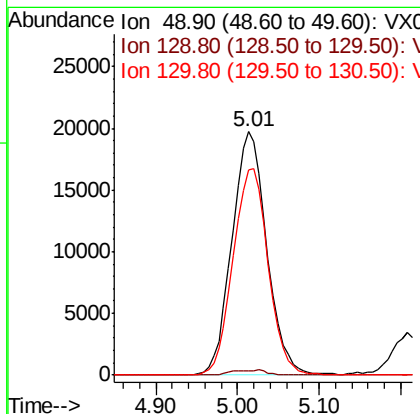
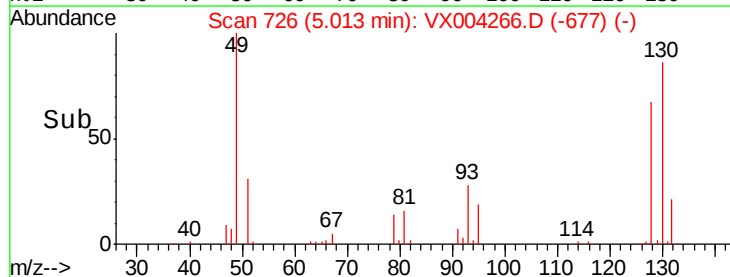
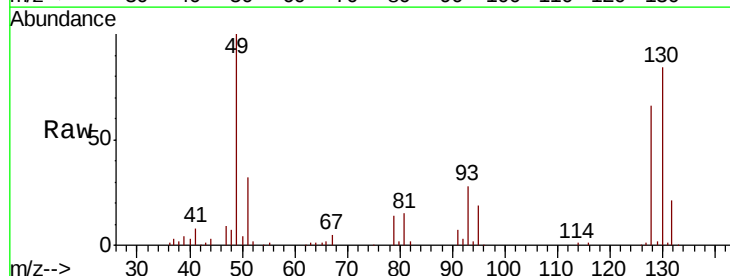
MMDadoda
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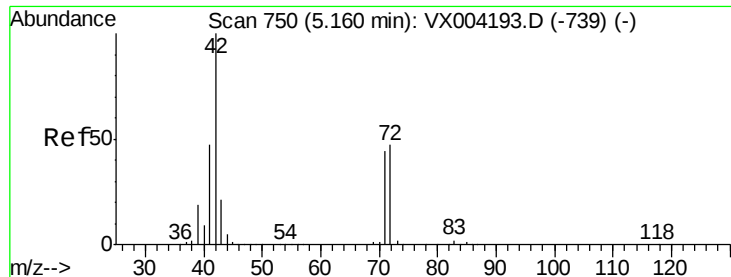


#28

Bromochloromethane
 Concen: 20.40 ug/l
 RT: 5.01 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	85.7	67.5	101.3





#29

Tetrahydrofuran

Concen: 107.73 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

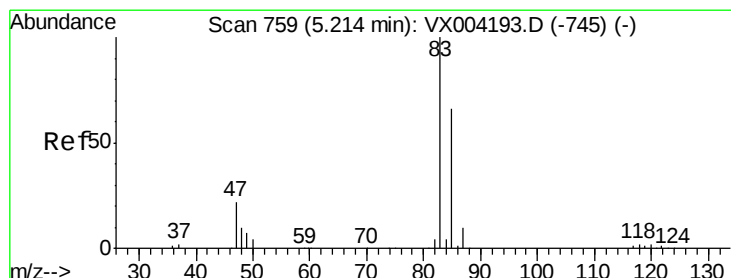
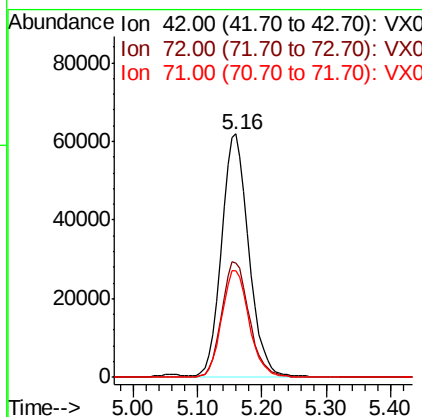
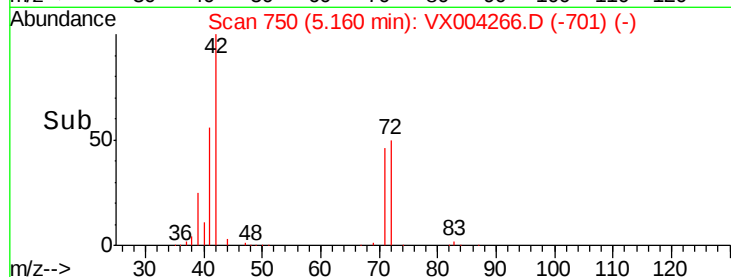
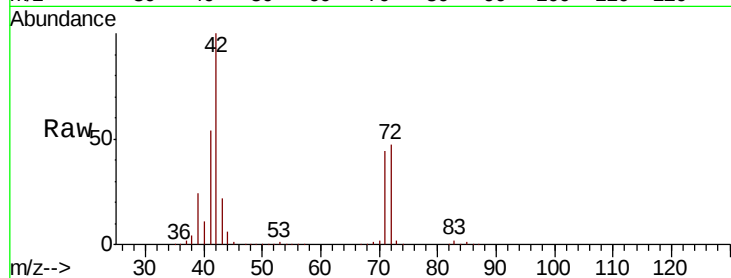
ClientSampleId :

VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.4	37.4	56.0
71	44.4	34.5	51.7

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#30

Chloroform

Concen: 19.28 ug/l

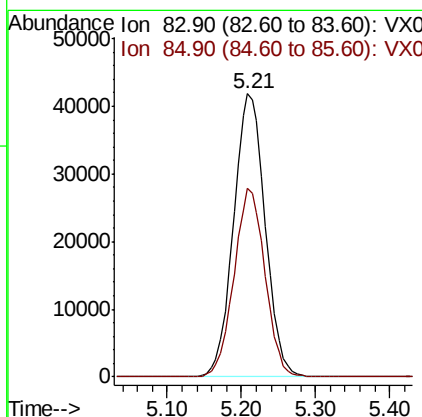
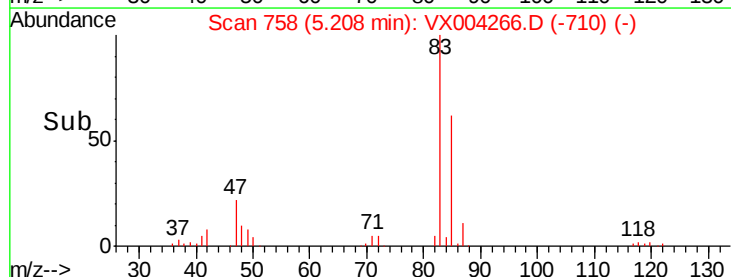
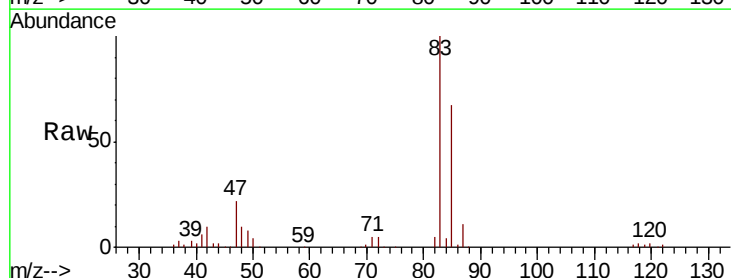
RT: 5.21 min Scan# 758

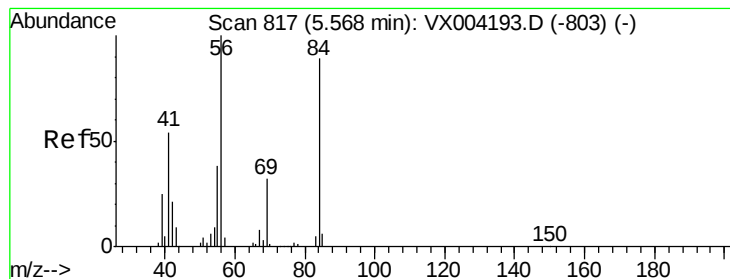
Delta R.T. -0.01 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.6	79.0





#31

Cvclohexane

Concen: 16.42 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

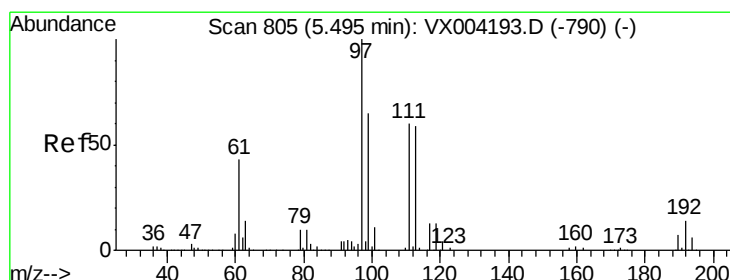
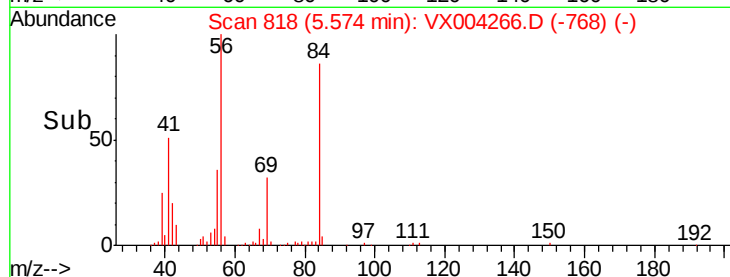
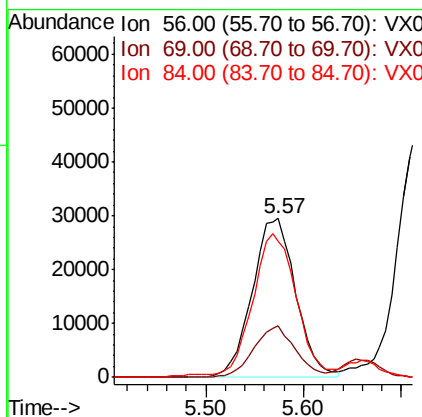
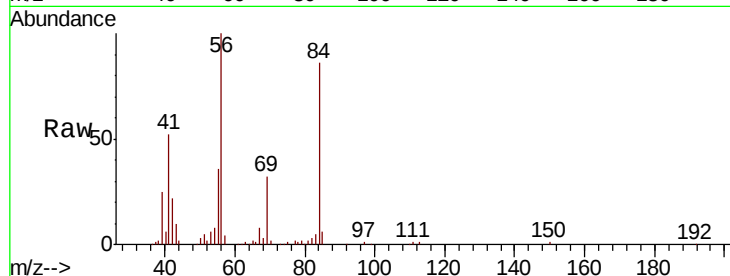
ClientSampleId :

VX0827MBSD01

Tot Ion:	56	Resp:	91239
Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.4	38.2
84	83.3	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 18.15 ug/l

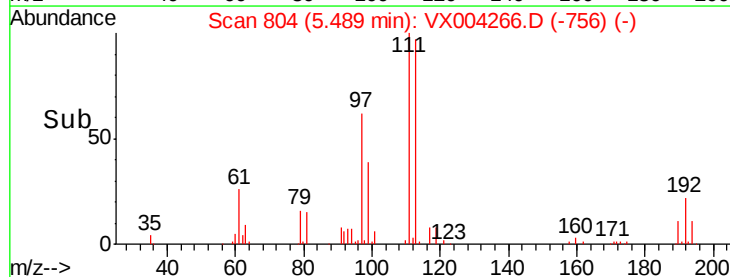
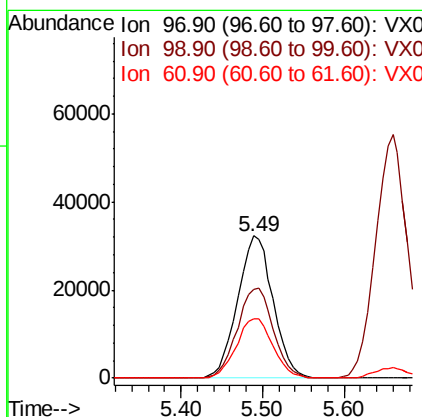
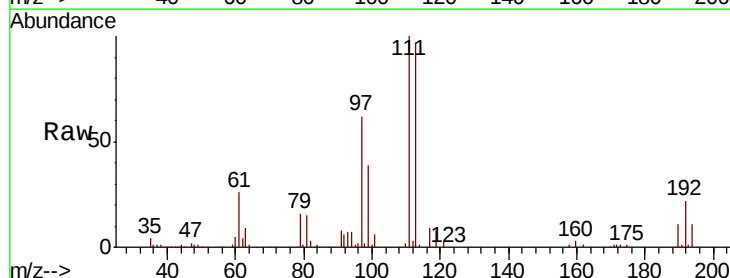
RT: 5.49 min Scan# 804

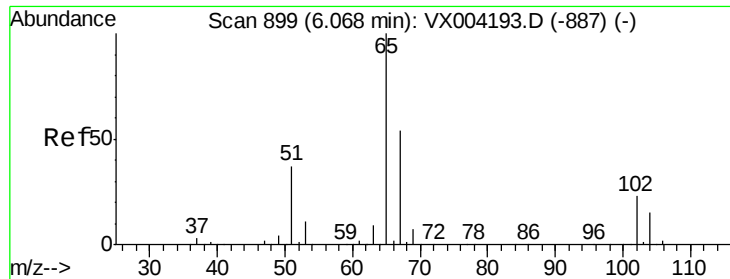
Delta R.T. -0.01 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Tgt Ion:	97	Resp:	97715
Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.0	78.0
61	43.0	34.9	52.3





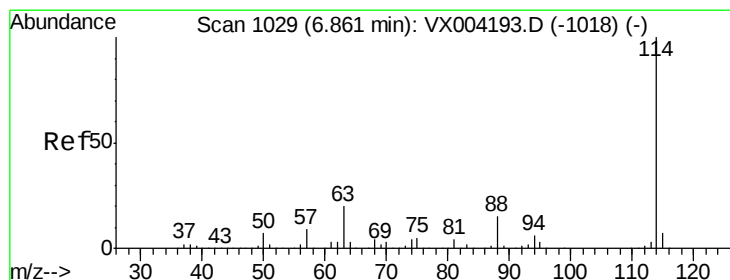
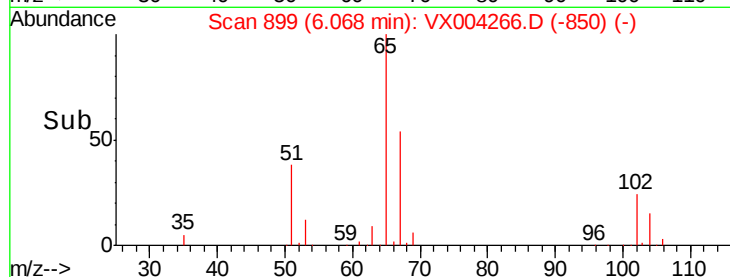
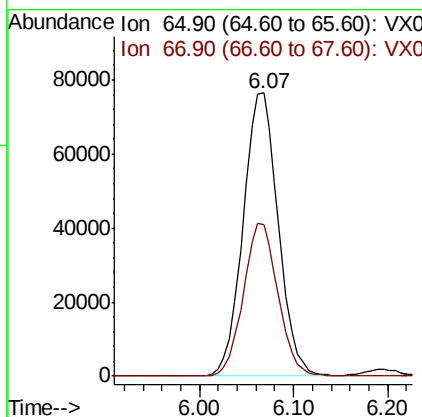
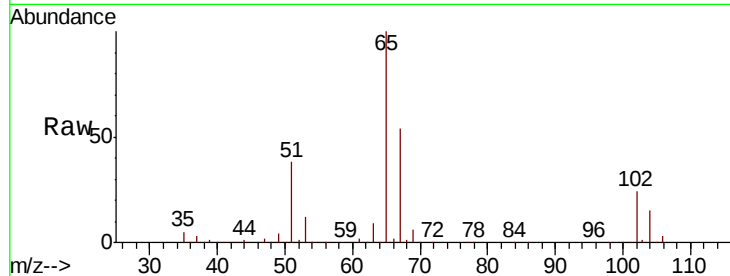
#33
 1,2-Dichloroethane-d4
 Concen: 50.45 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	199938		
67	53.3	0.0	106.8	

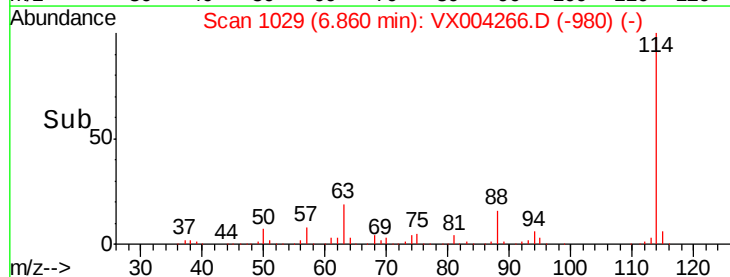
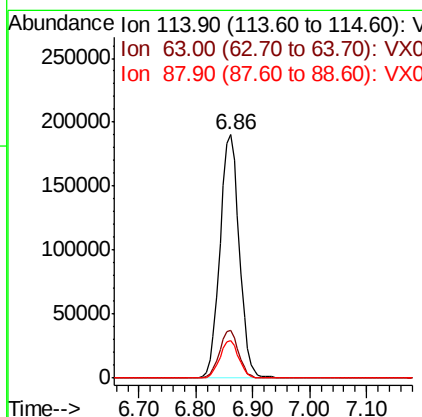
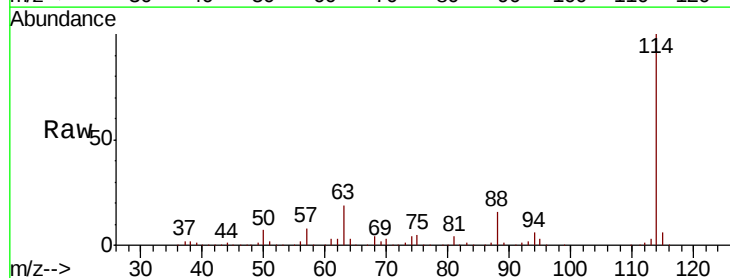
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	447648		
63	19.5	0.0	39.0	
88	15.6	0.0	30.4	





#35

Dibromofluoromethane

Concen: 50.29 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

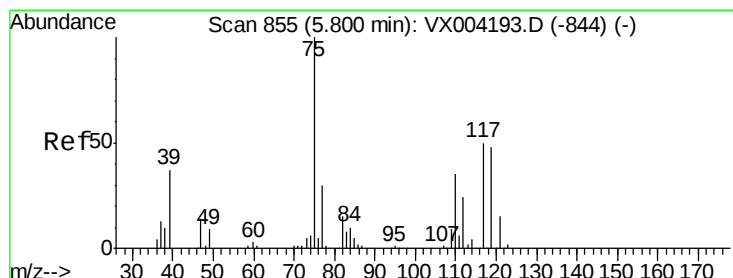
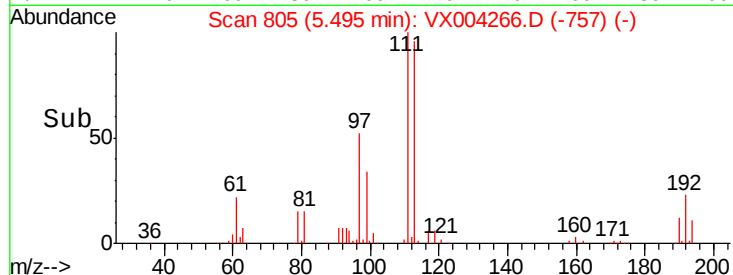
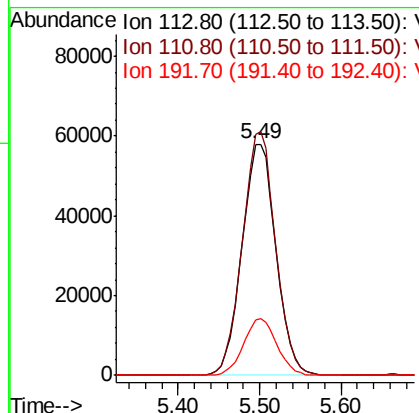
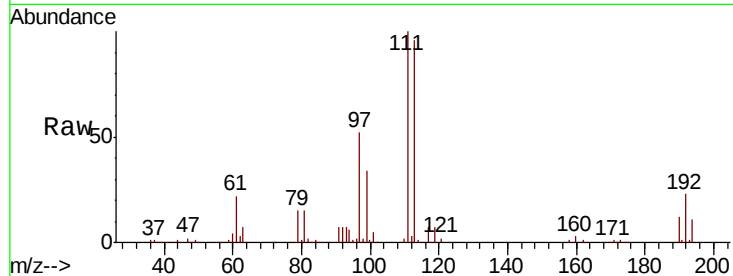
ClientSampleId :

VX0827MBSD01

Tot Ion:	113	Resp:	167472
Ion Ratio	Lower	Upper	
113	100		
111	103.1	82.4	123.6
192	24.0	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 17.61 ug/l

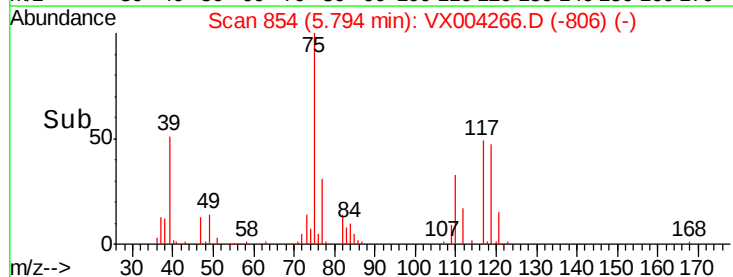
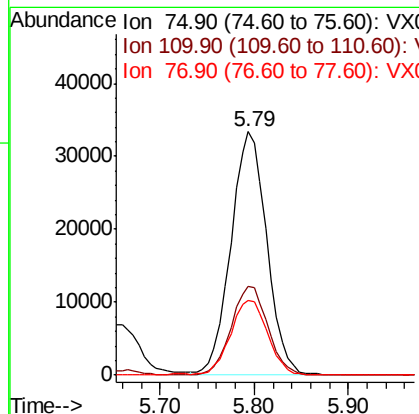
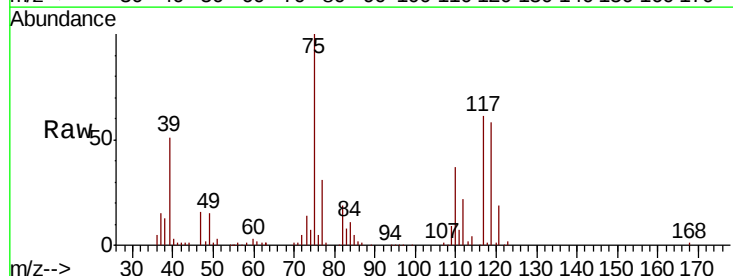
RT: 5.79 min Scan# 854

Delta R.T. -0.01 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Tgt Ion:	75	Resp:	88618
Ion Ratio	Lower	Upper	
75	100		
110	37.1	18.0	54.0
77	31.9	24.6	36.8





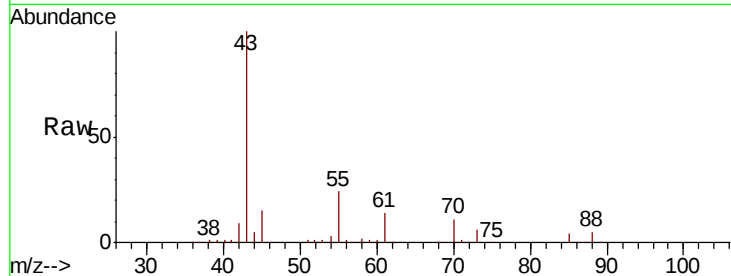
#37
Ethyl Acetate
Concen: 21.23 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.01 min
Lab File: VX004266.D
Acq: 27 Aug 2018 17:36

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	11.4	9.0	13.6

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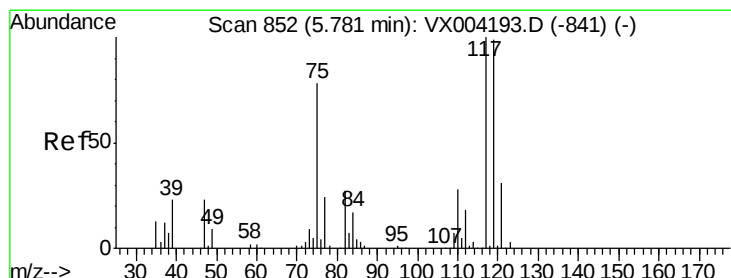
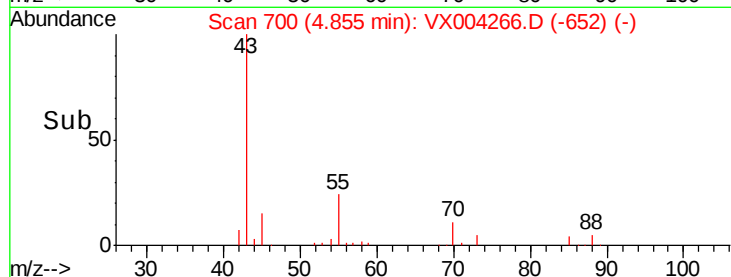
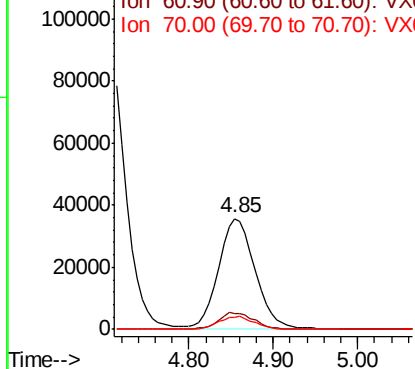


Abundance

Ion 43.00 (42.70 to 43.70): VX0

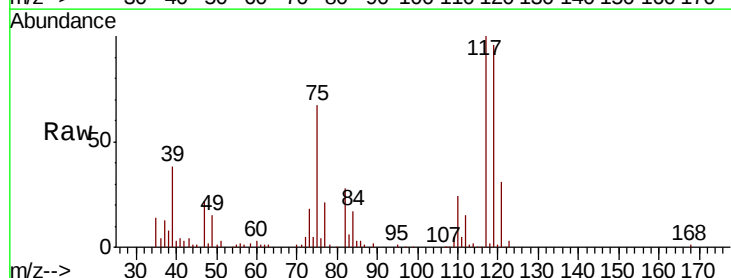
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 17.05 ug/l
RT: 5.78 min Scan# 851
Delta R.T. -0.01 min
Lab File: VX004266.D
Acq: 27 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.8	118.2
121	31.4	24.9	37.3

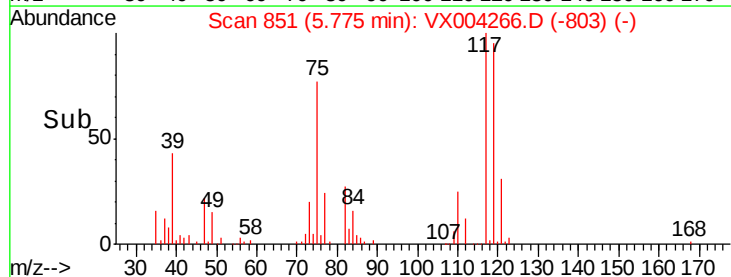
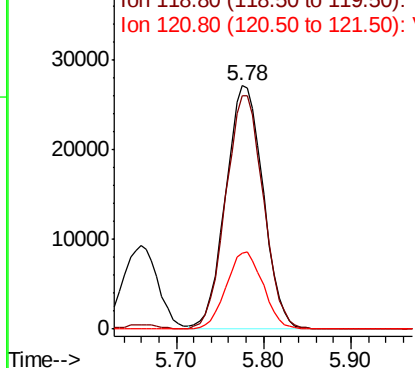


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





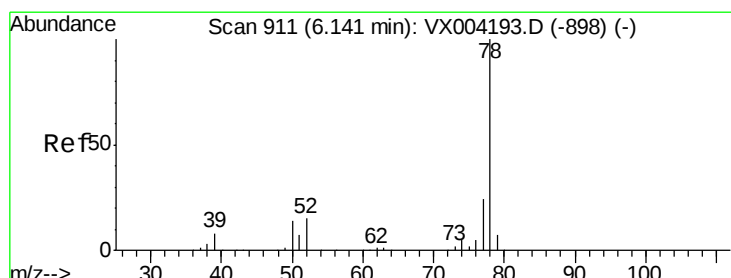
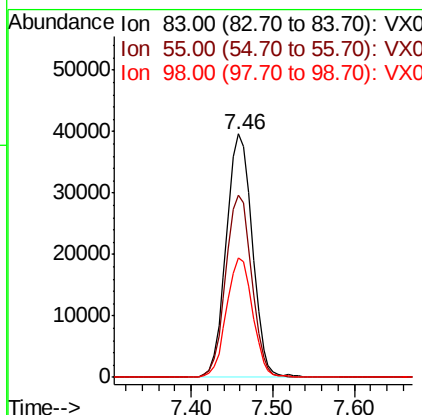
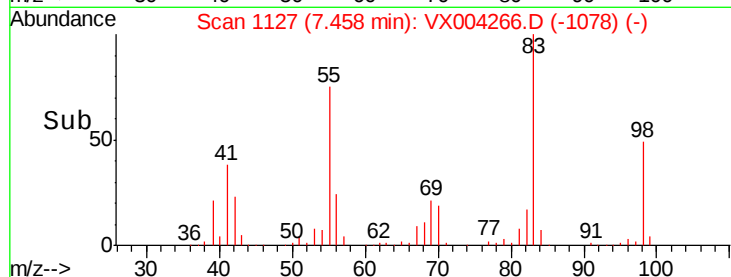
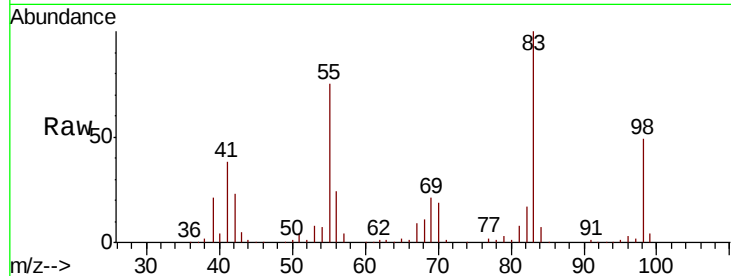
#39
Methvlcvclohexane
Concen: 15.20 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004266.D
Acq: 27 Aug 2018 17:36

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion	83.00	Resp	87343
Ion Ratio	Lower	Upper	
83	100		
55	75.1	61.0	91.4
98	49.2	39.6	59.4

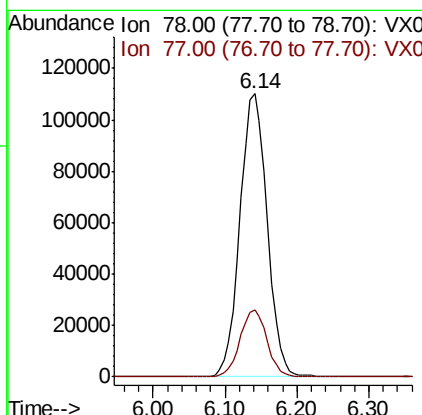
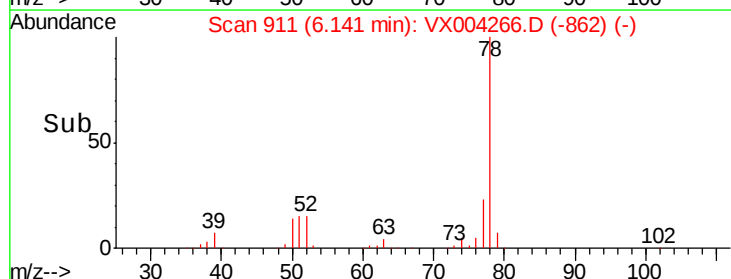
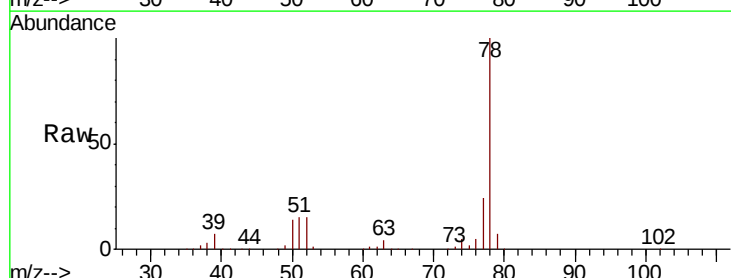
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#40
Benzene
Concen: 19.25 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004266.D
Acq: 27 Aug 2018 17:36

Tgt Ion	78.00	Resp	289528
Ion Ratio	Lower	Upper	
78	100		
77	23.7	19.0	28.4





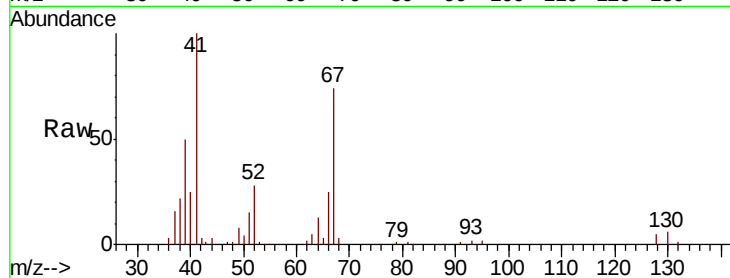
#41
Methacrylonitrile
Concen: 20.98 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004266.D
Acq: 27 Aug 2018 17:36

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.4	42.4	63.6
67	75.2	59.2	88.8
52	29.3	23.0	34.4

Manual Integrations
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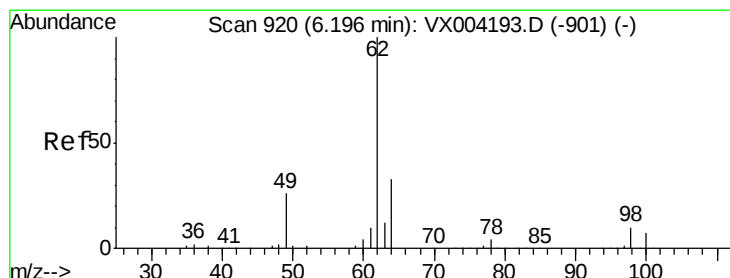
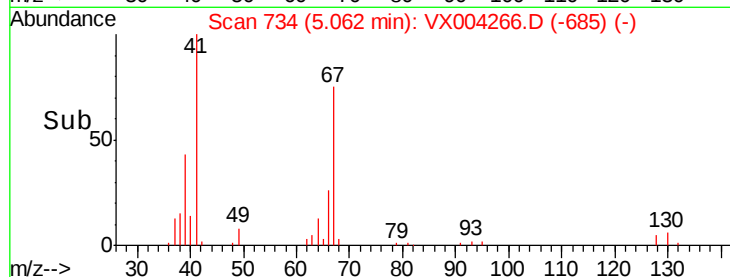
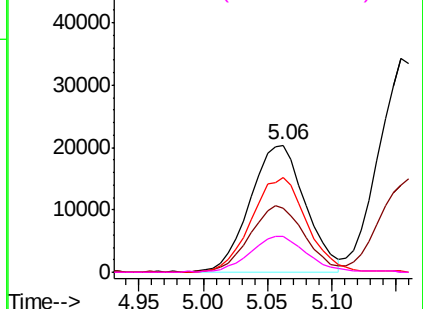
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

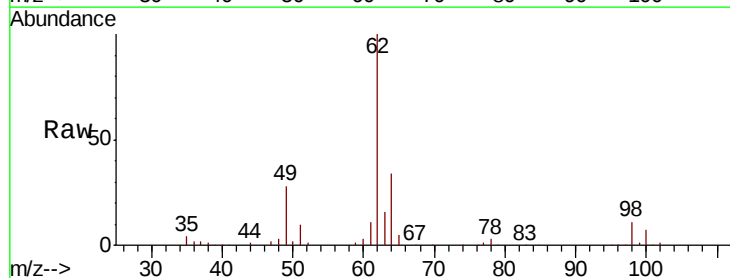
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 19.84 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004266.D
Acq: 27 Aug 2018 17:36

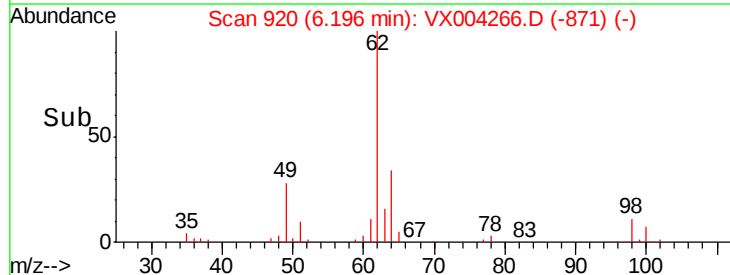
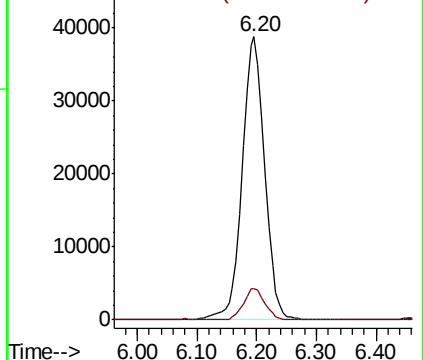
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6



Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

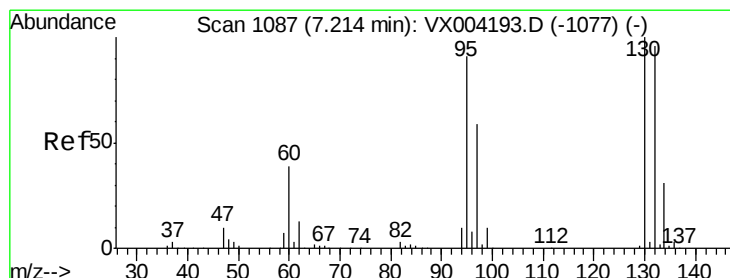
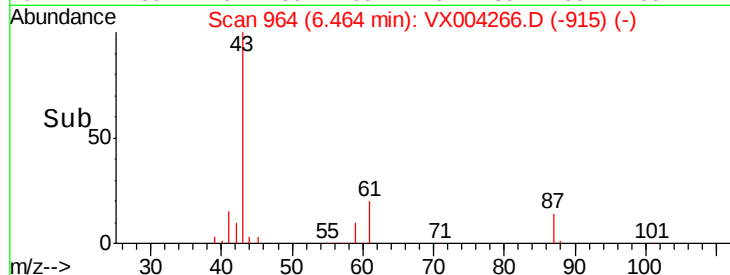
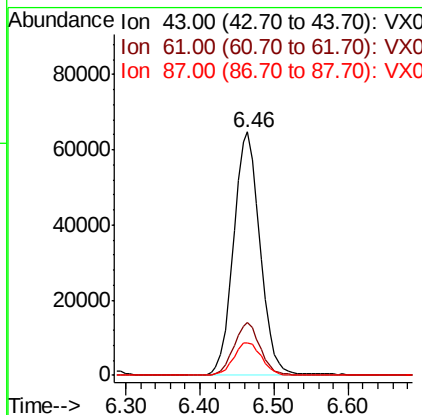
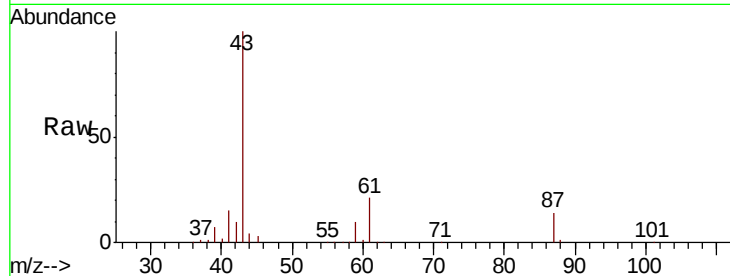
Isopropyl Acetate
 Concen: 21.32 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.0	25.4
87	14.2	11.4	17.2

Manual Integrations
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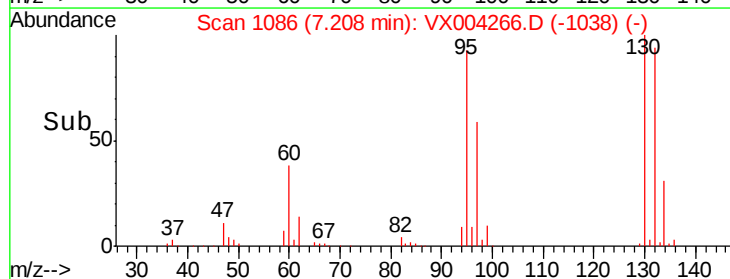
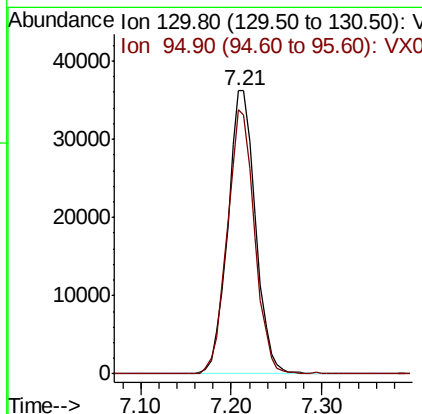
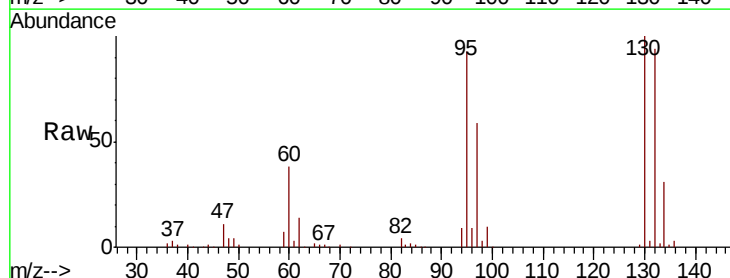
MMDadoda
 8/28/2018 3:54:29 PM

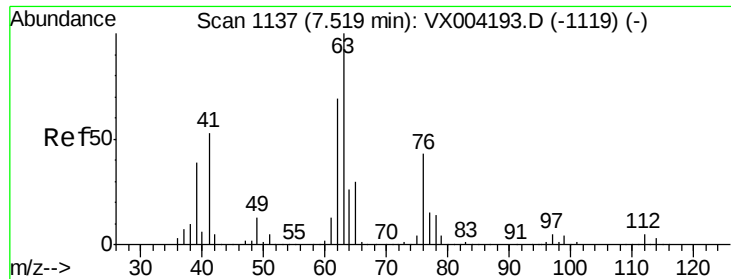


#44

Trichloroethene
 Concen: 18.63 ug/l
 RT: 7.21 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	181.6





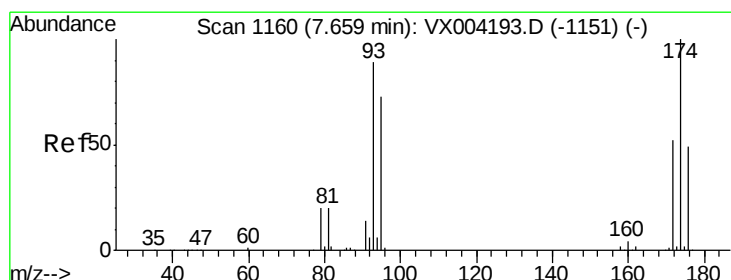
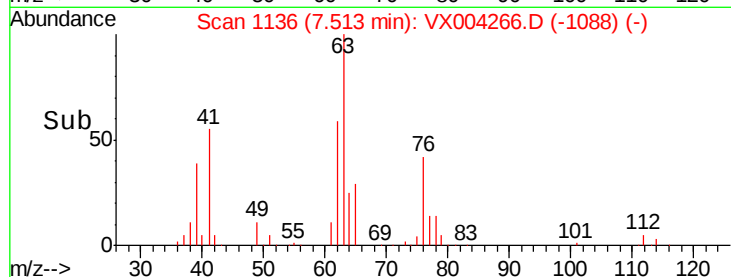
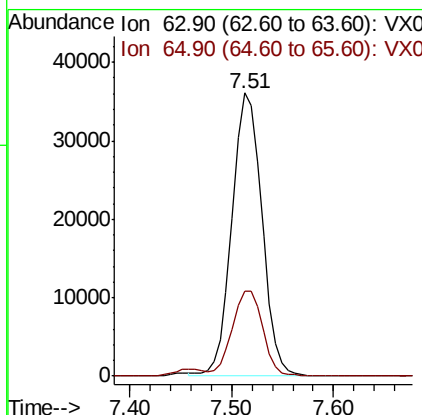
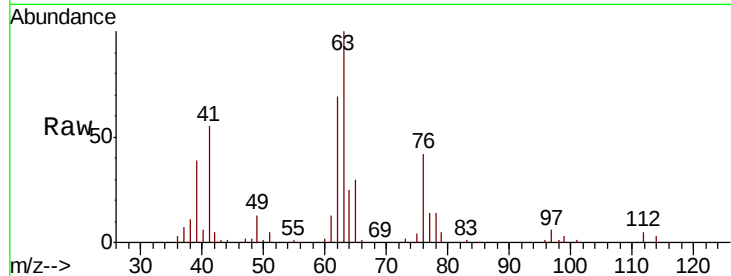
#45
 1,2-Dichloropropane
 Concen: 19.58 ug/l
 RT: 7.51 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBSD01

Tot Ion	63	Resp	73695
Ion Ratio	100	Lower	Upper
63	100		
65	30.2	24.3	36.5

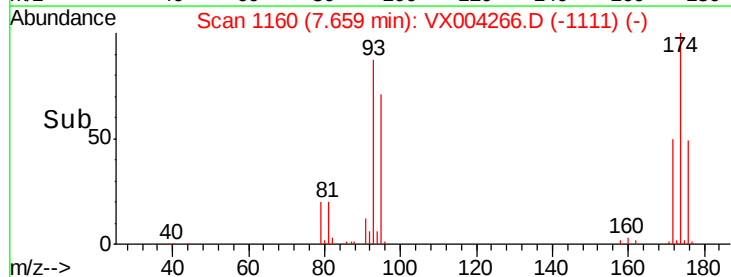
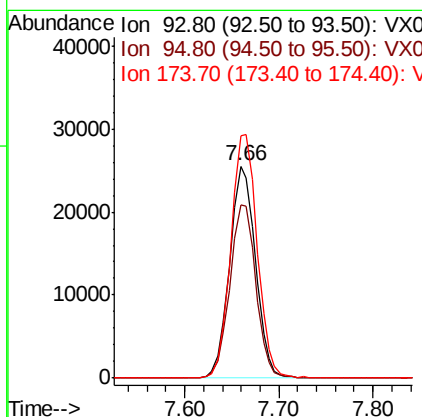
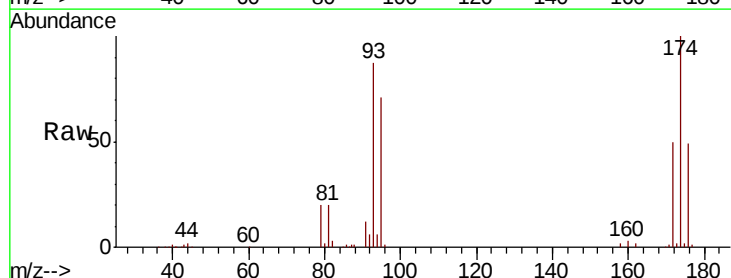
Manual Integrations
 APPROVED

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 8/28/2018 3:54:29 PM



#46
 Dibromomethane
 Concen: 19.47 ug/l
 RT: 7.66 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Tgt Ion	93	Resp	48781
Ion Ratio	100	Lower	Upper
93	100		
95	82.5	65.5	98.3
174	117.1	94.2	141.4





#47

Bromodichloromethane

Concen: 18.72 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

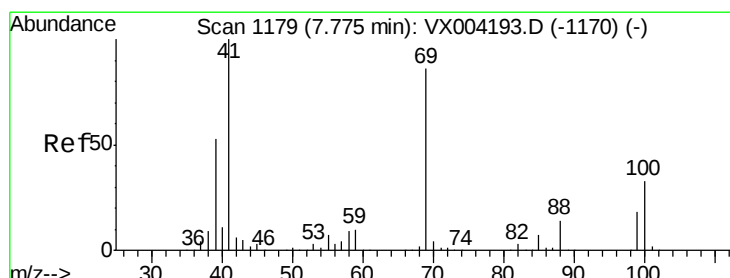
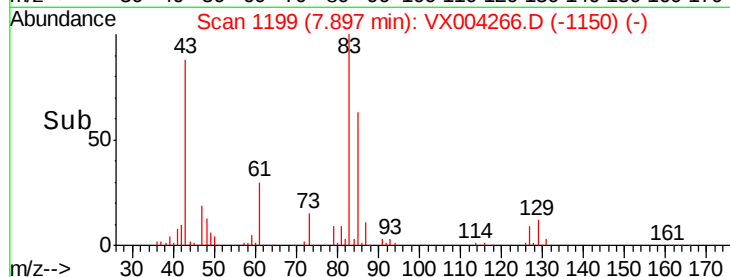
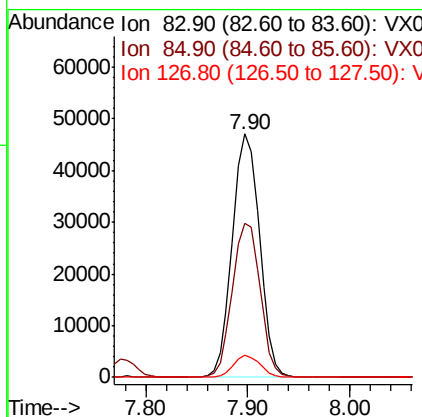
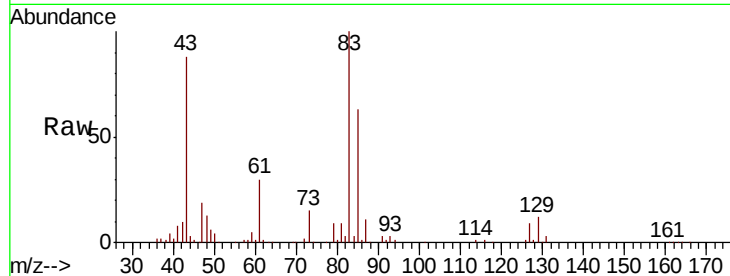
ClientSampleId :

VX0827MBSD01

Tot Ion:	83	Resp:	87268
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.9	76.3
127	9.2	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.53 ug/l

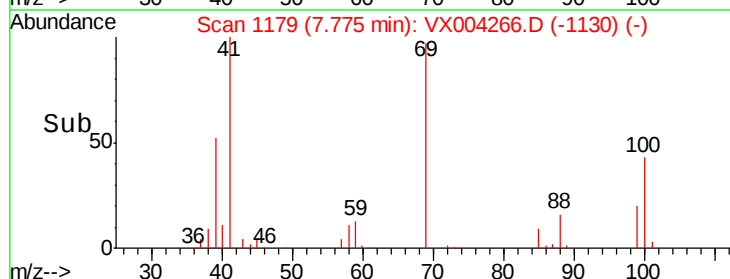
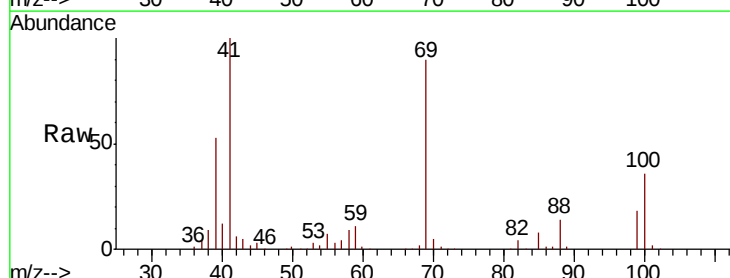
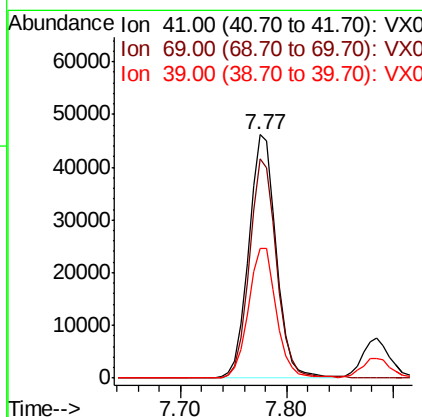
RT: 7.77 min Scan# 1179

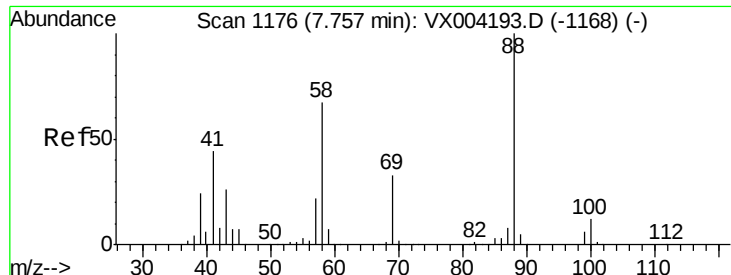
Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Tgt Ion:	41	Resp:	83558
Ion	Ratio	Lower	Upper
41	100		
69	89.2	70.2	105.4
39	54.6	42.7	64.1





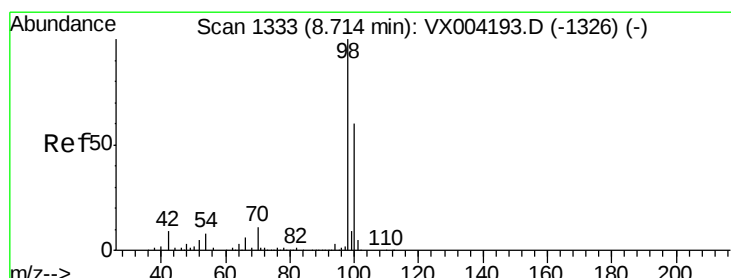
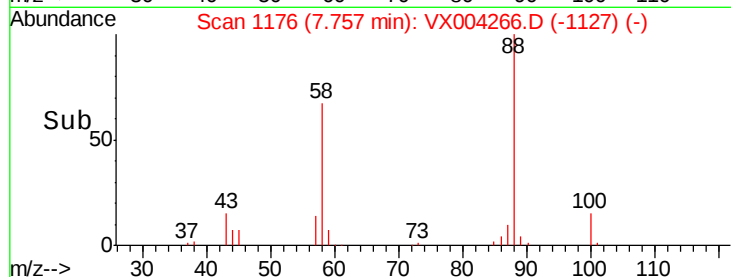
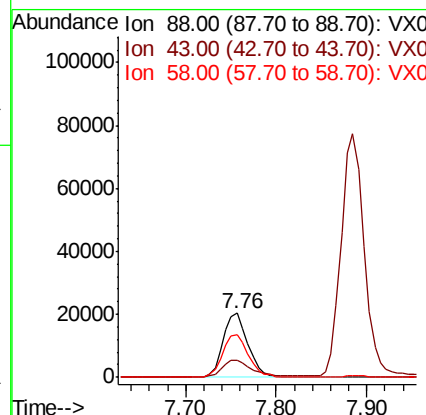
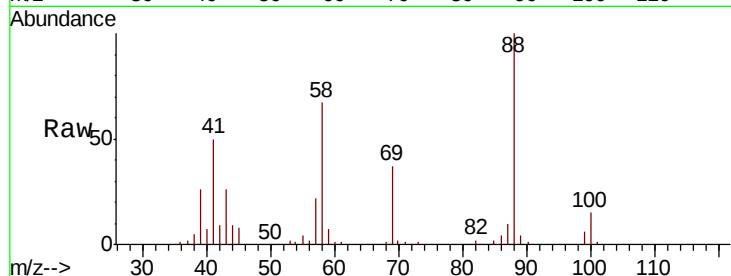
#49
1,4-Dioxane
Concen: 425.85 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004266.D
Acq: 27 Aug 2018 17:36

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.7	24.7	37.1
58	70.4	55.3	82.9

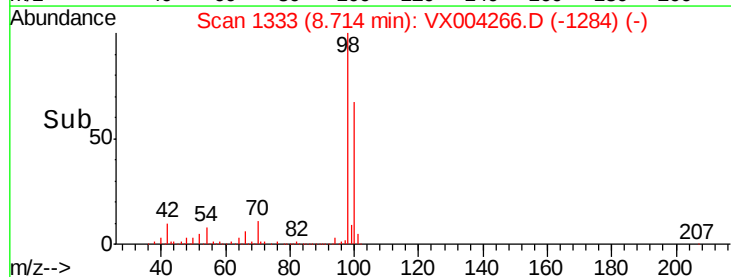
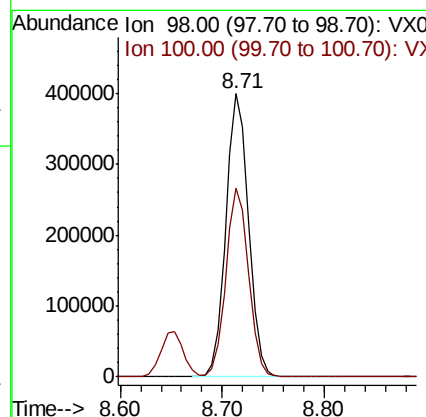
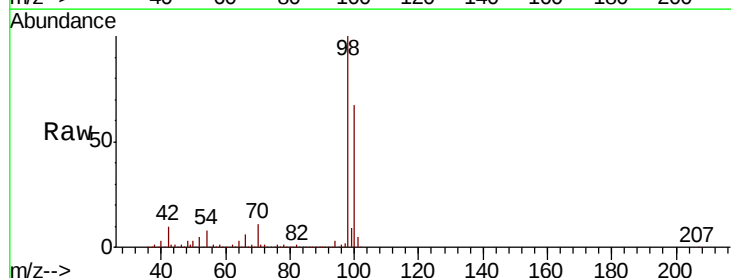
Manual Integrations
APPROVED

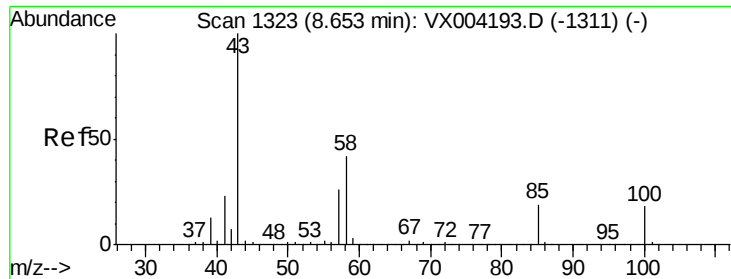
MMDadoda
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#50
Toluene-d8
Concen: 48.82 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004266.D
Acq: 27 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 100.39 ug/l

RT: 8.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion: 43 Resp: 554758

Ion Ratio Lower Upper

43 100

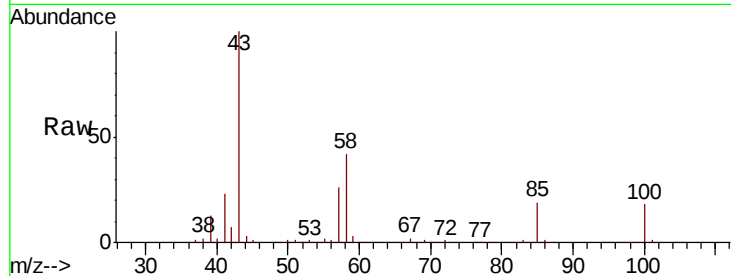
58 41.9 33.1 49.7

Manual Integrations

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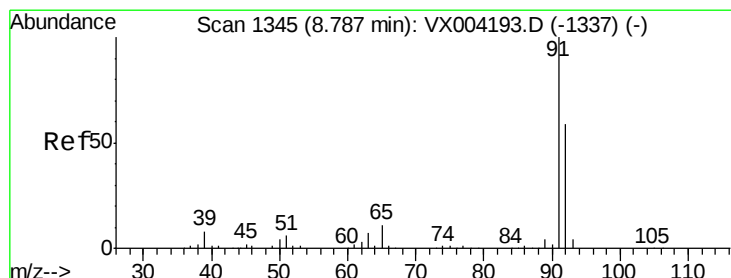
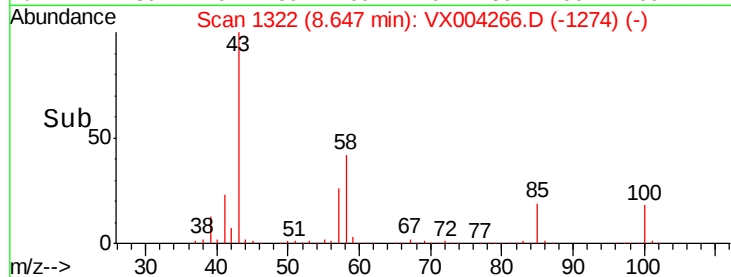
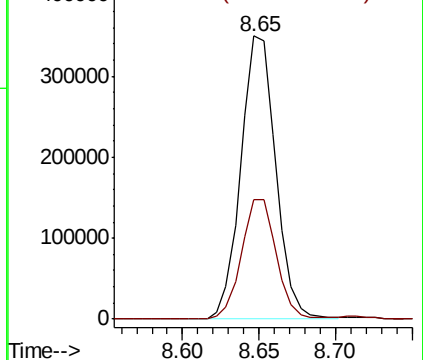
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.52 ug/l

RT: 8.78 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VX004266.D

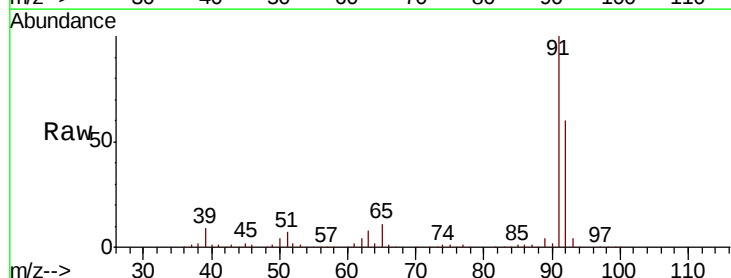
Acq: 27 Aug 2018 17:36

Tgt Ion: 92 Resp: 183710

Ion Ratio Lower Upper

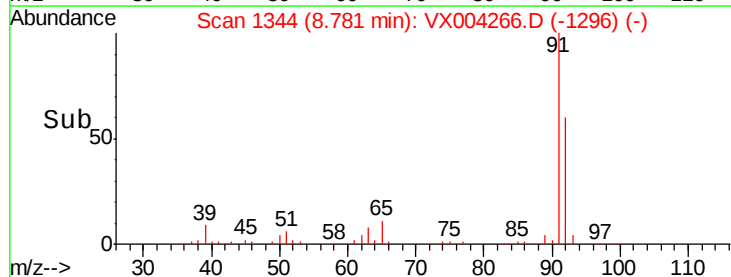
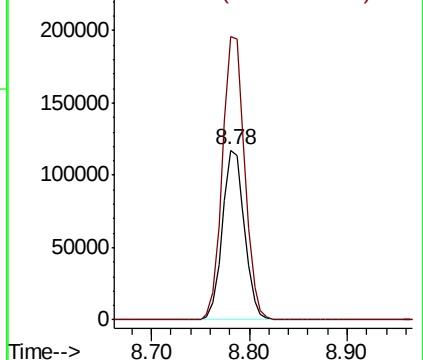
92 100

91 168.7 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





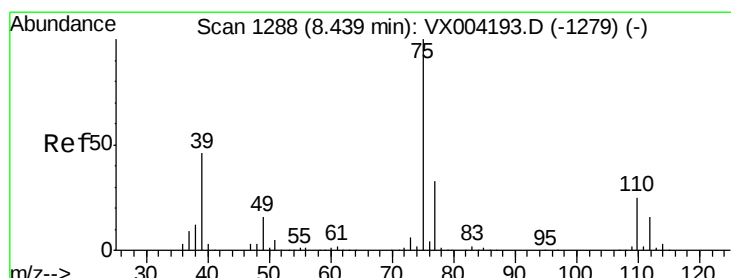
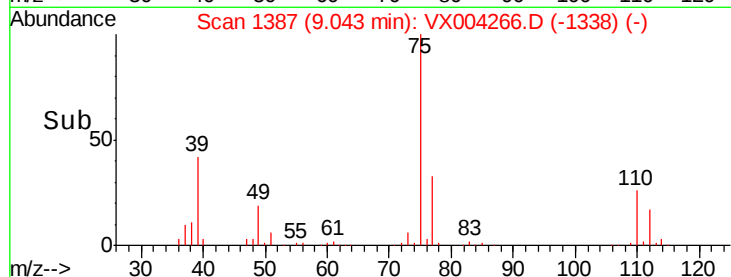
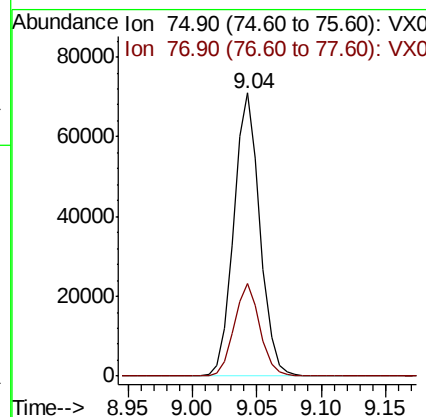
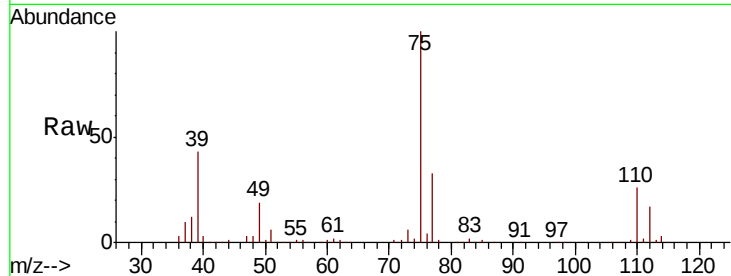
#53
 t-1,3-Dichloropropene
 Concen: 19.56 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBSD01

Tot Ion: 75 Resp: 100727
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.6 37.0

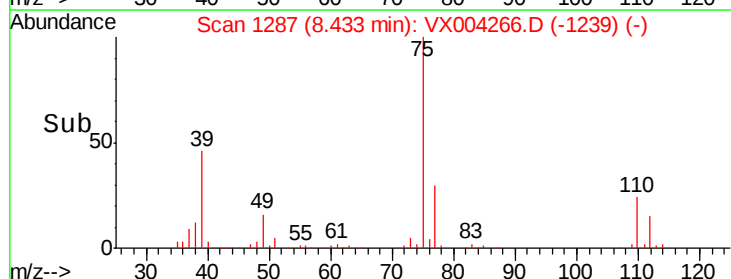
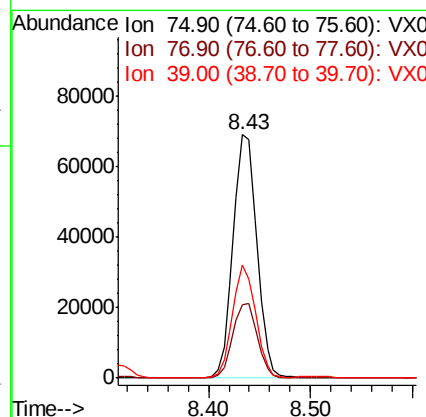
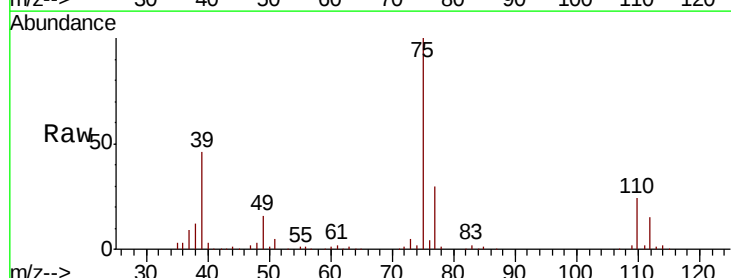
Manual Integrations
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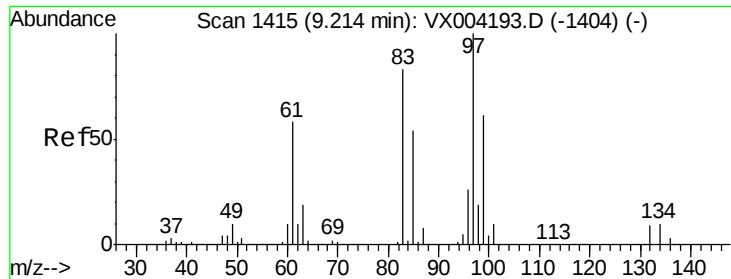
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 19.92 ug/l
 RT: 8.43 min Scan# 1287
 Delta R.T. -0.01 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Tgt Ion: 75 Resp: 111777
 Ion Ratio Lower Upper
 75 100
 77 30.1 26.2 39.2
 39 46.2 36.4 54.6





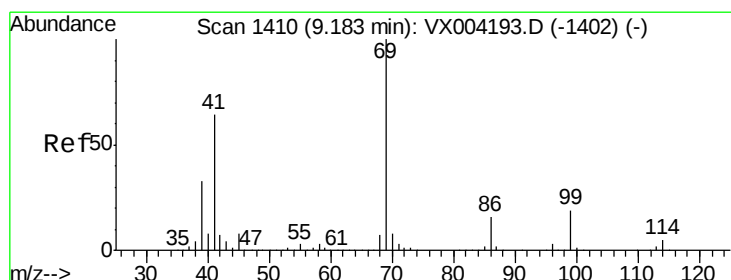
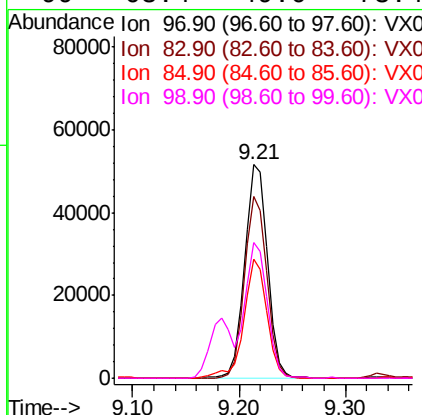
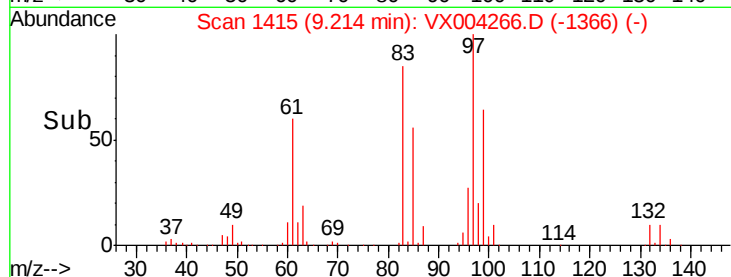
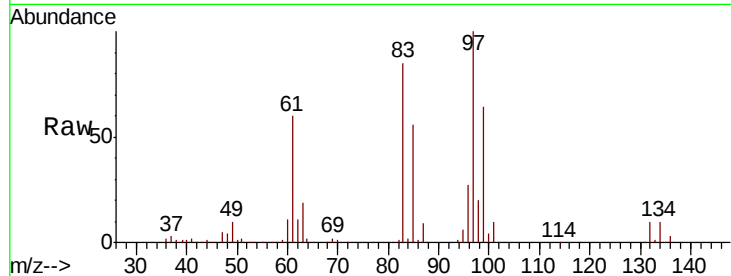
#55
 1,1,2-Trichloroethane
 Concen: 20.57 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		78177		
83	85.2	66.4	99.6		
85	55.7	43.3	64.9		
99	63.4	49.0	73.4		

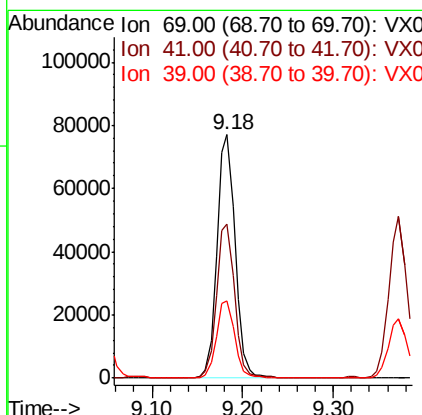
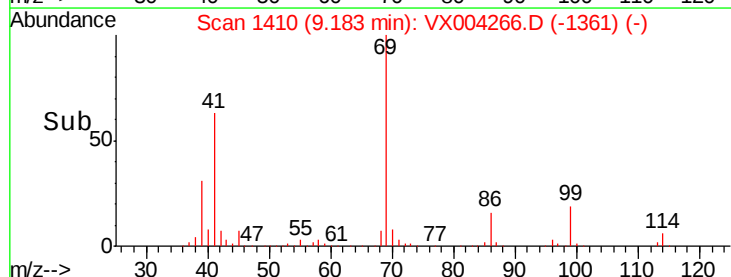
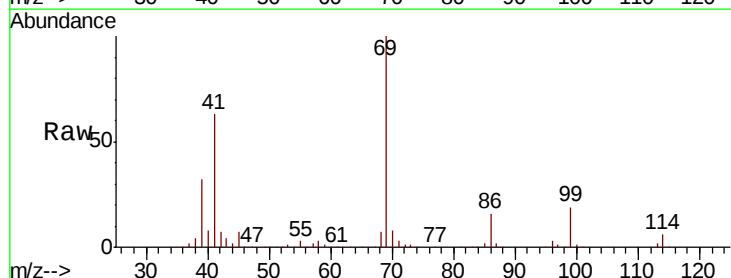
Manual Integrations
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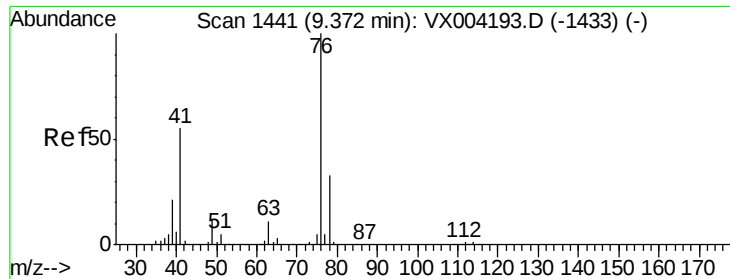
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#56
 Ethyl methacrylate
 Concen: 20.98 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		108535		
41	62.7	51.0	76.4		
39	31.8	26.1	39.1		





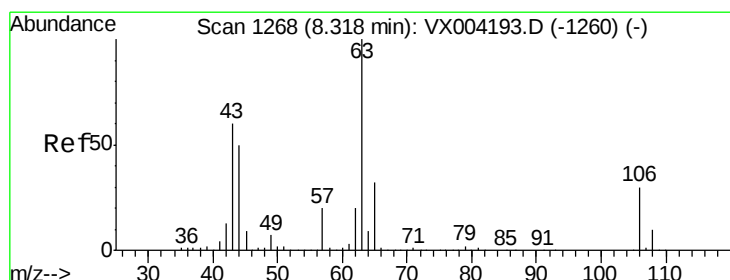
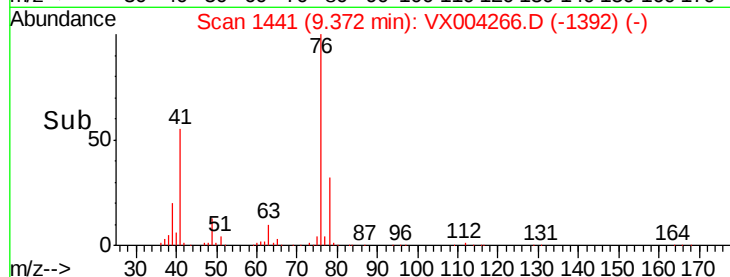
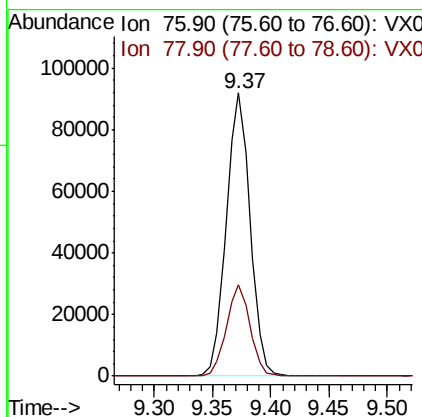
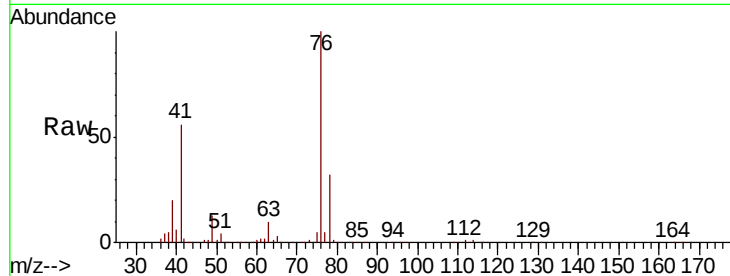
#57
 1,3-Dichloropropane
 Concen: 20.39 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBSD01

Tot Ion: 76 Resp: 130574
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3

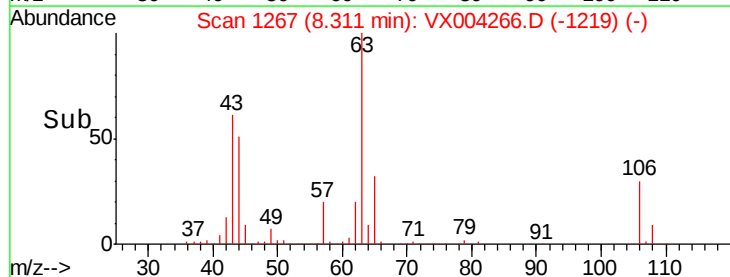
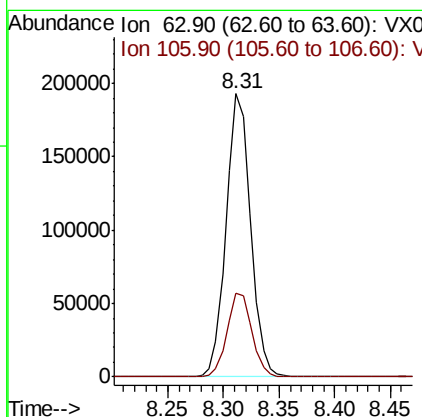
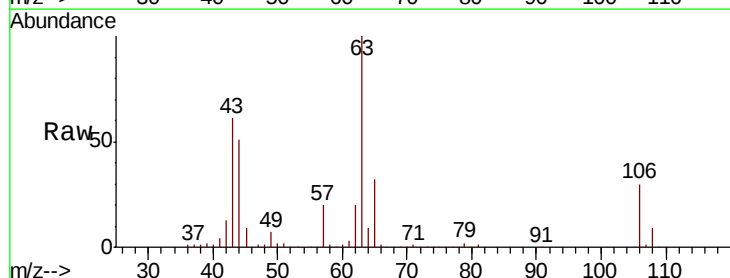
Manual Integrations
 APPROVED

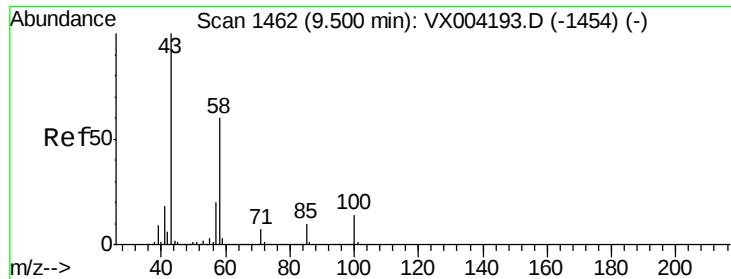
MMDadoda
 8/28/2018 3:54:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.90 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Tgt Ion: 63 Resp: 293932
 Ion Ratio Lower Upper
 63 100
 106 30.1 23.9 35.9





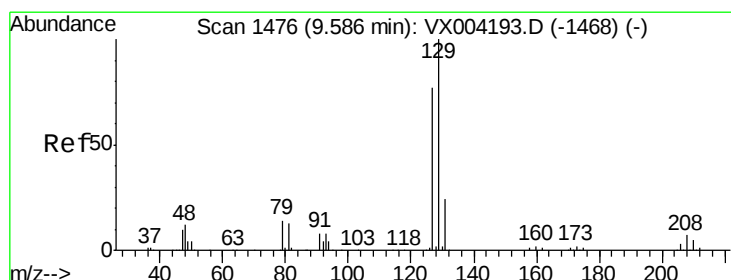
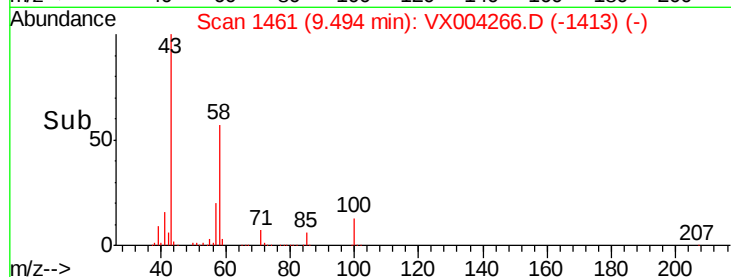
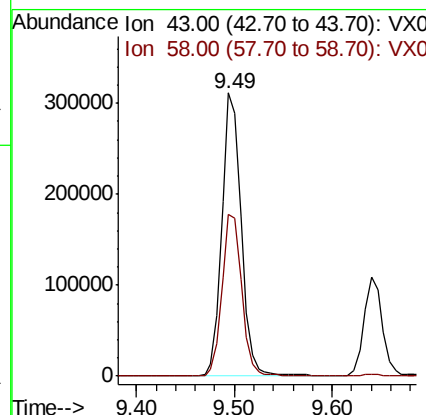
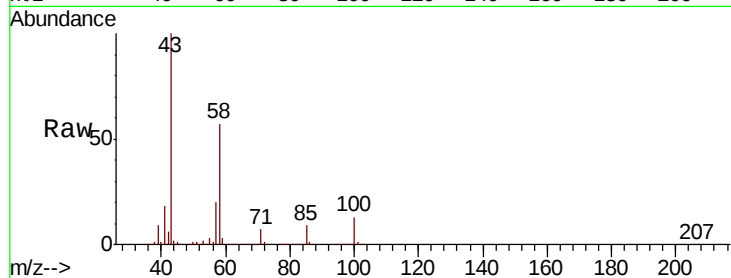
#59
2-Hexanone
Concen: 101.46 ug/l
RT: 9.49 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VX004266.D
Acq: 27 Aug 2018 17:36

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion: 43 Resp: 427725
Ion Ratio Lower Upper
43 100
58 58.4 29.0 87.0

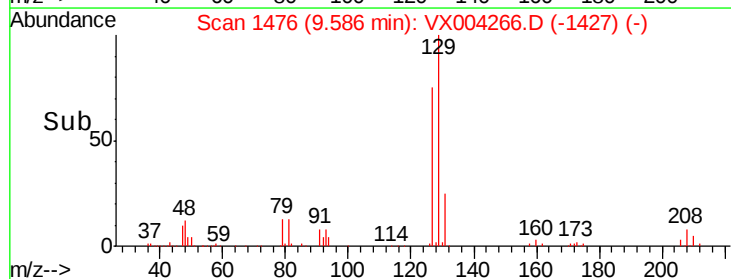
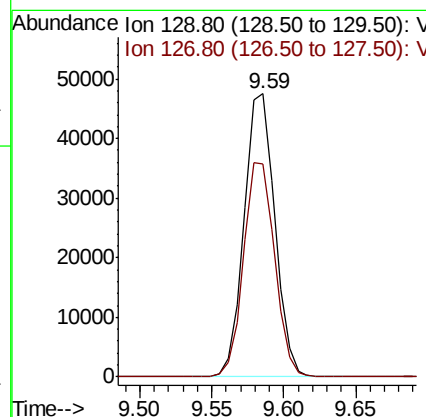
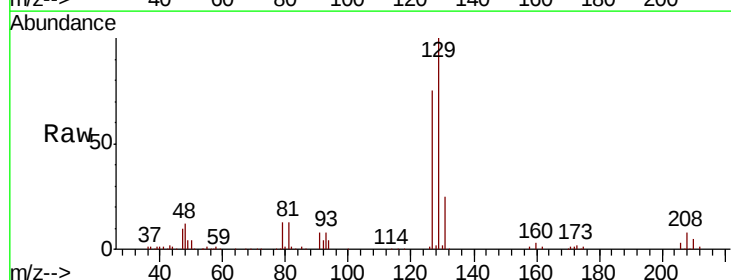
Manual Integrations
APPROVED

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8/28/2018 3:54:29 PM



#60
Dibromochloromethane
Concen: 18.98 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004266.D
Acq: 27 Aug 2018 17:36

Tgt Ion: 129 Resp: 70284
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.37 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion:107 Resp: 80119

Ion Ratio Lower Upper

107 100

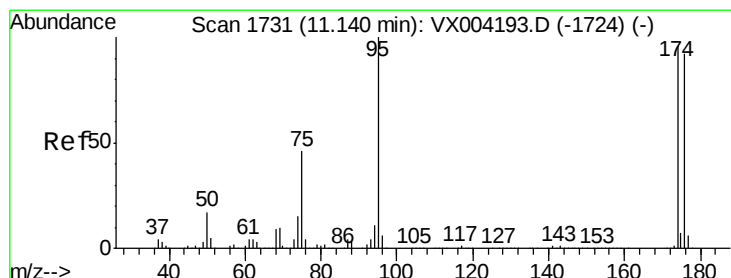
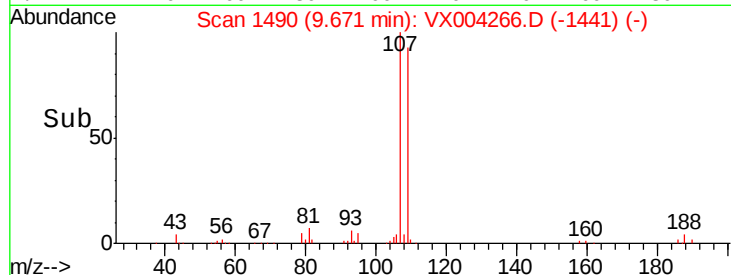
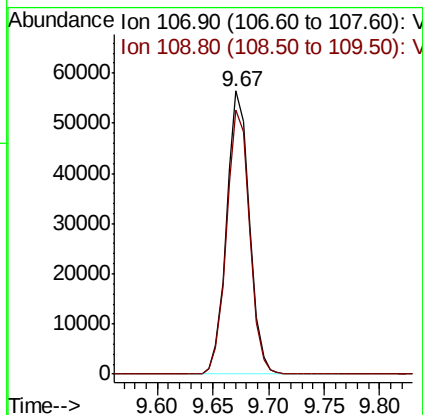
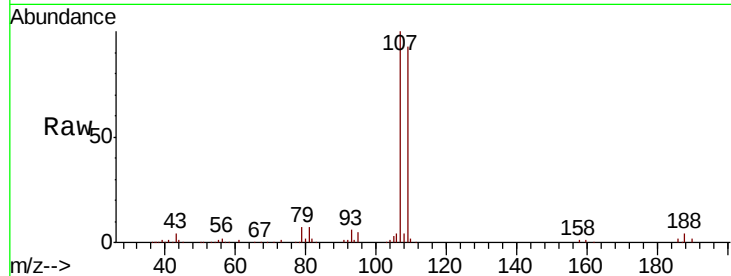
109 94.1 76.0 114.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.46 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

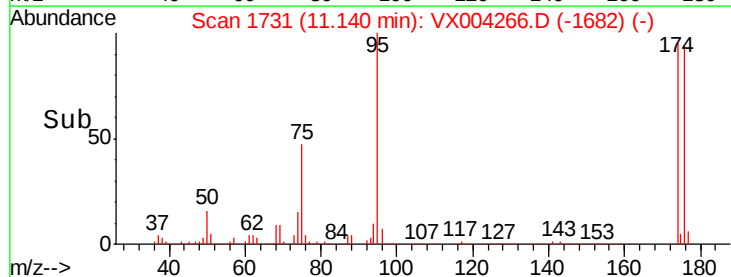
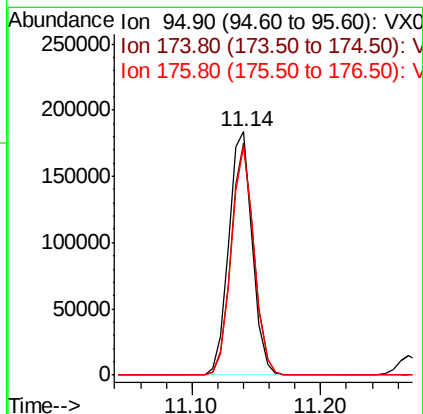
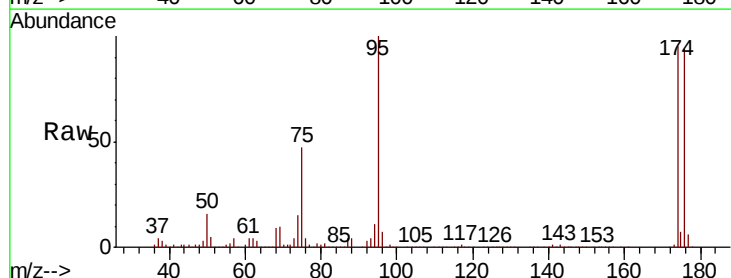
Tgt Ion: 95 Resp: 236686

Ion Ratio Lower Upper

95 100

174 91.8 0.0 185.2

176 89.6 0.0 178.6





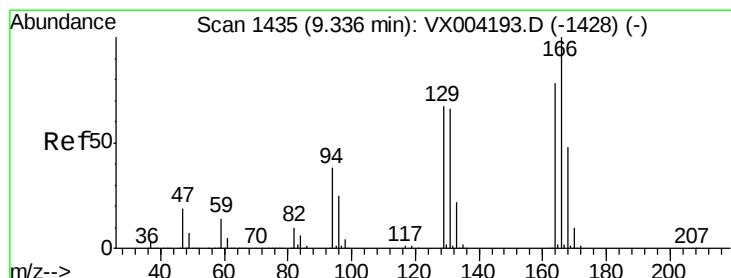
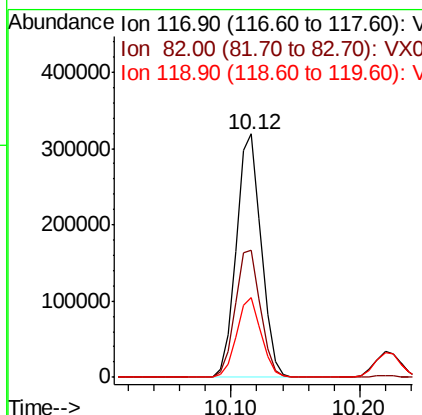
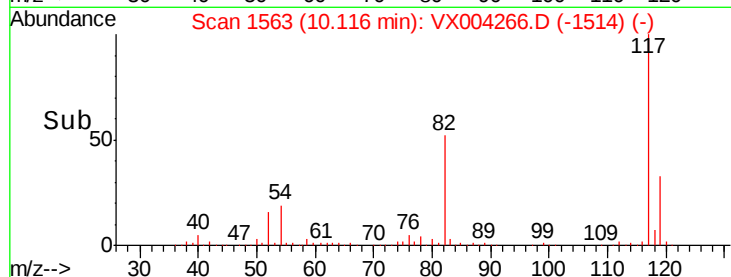
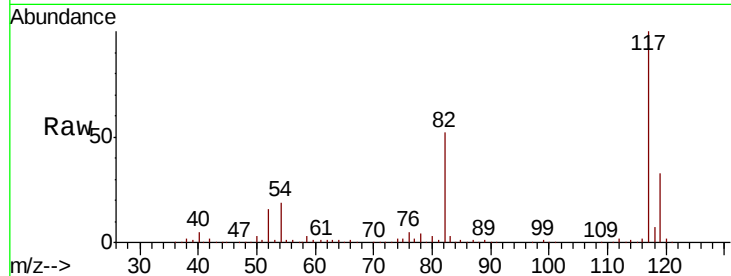
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004266.D
Acq: 27 Aug 2018 17:36

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	47.8	71.6
119	32.9	29.3	43.9

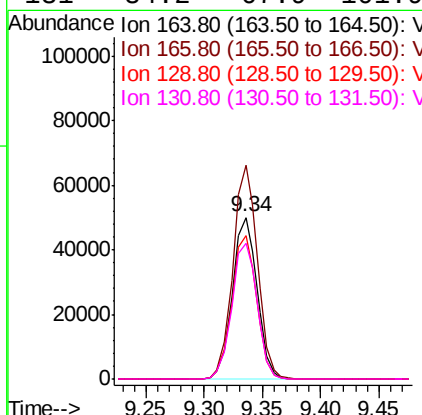
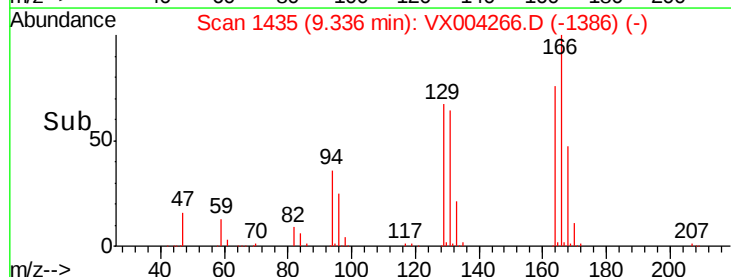
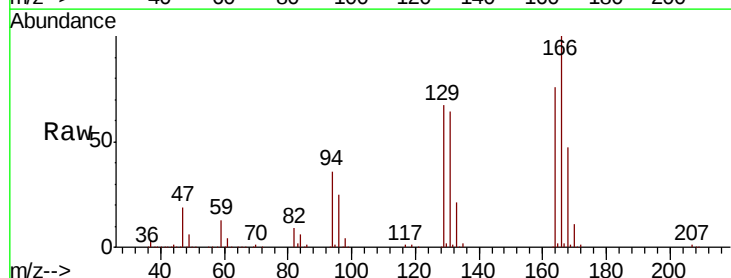
Manual Integrations
APPROVED

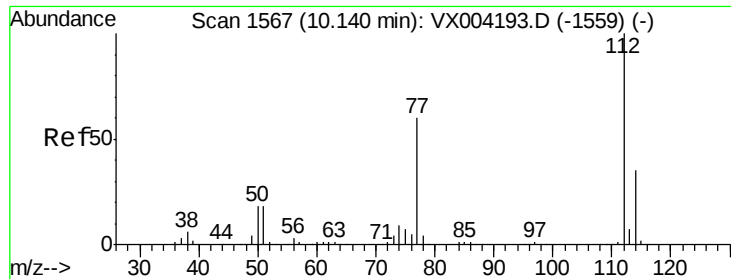
MMDadoda
8/28/2018 3:54:29 PM



#64
Tetrachloroethene
Concen: 17.49 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004266.D
Acq: 27 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.0	102.8	154.2
129	88.6	69.4	104.0
131	84.2	67.9	101.9





#65

Chlorobenzene

Concen: 19.32 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion:112 Resp: 207842

Ion Ratio Lower Upper

112 100

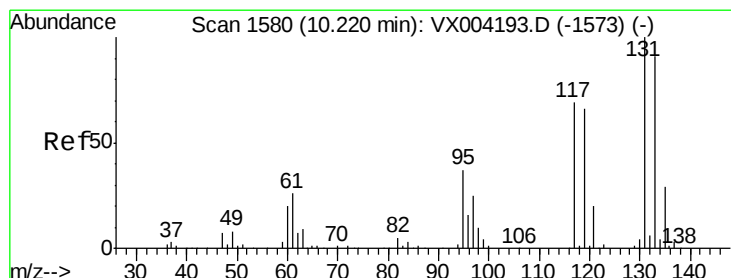
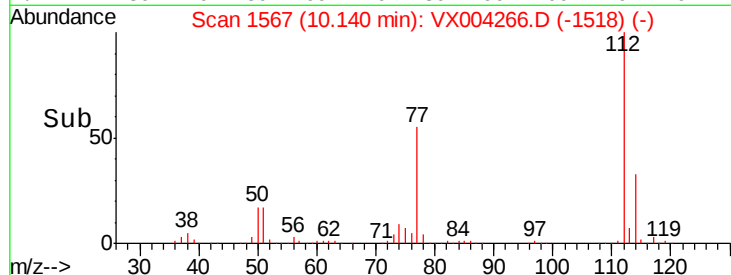
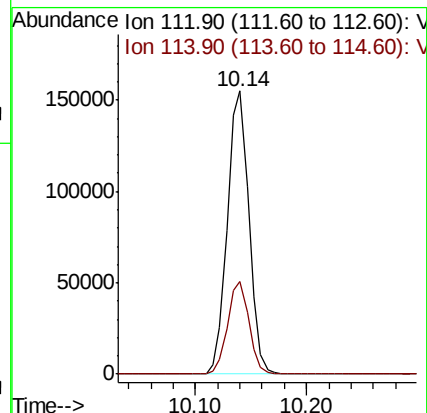
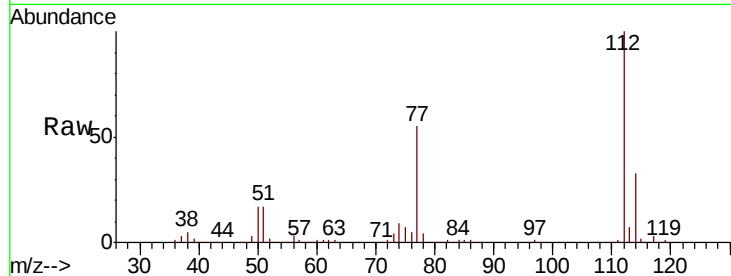
114 32.8 27.8 41.8

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.29 ug/l

RT: 10.22 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

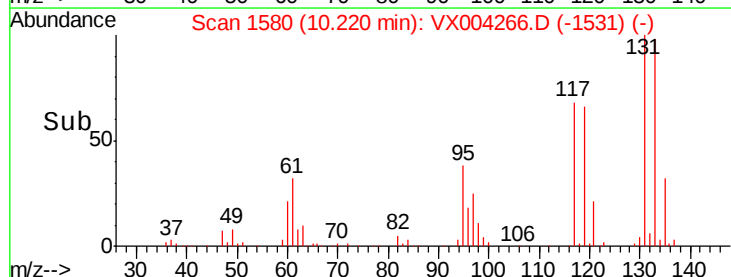
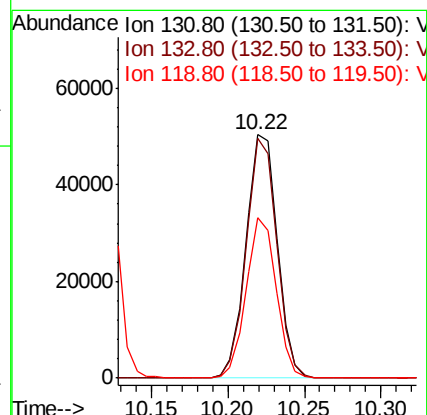
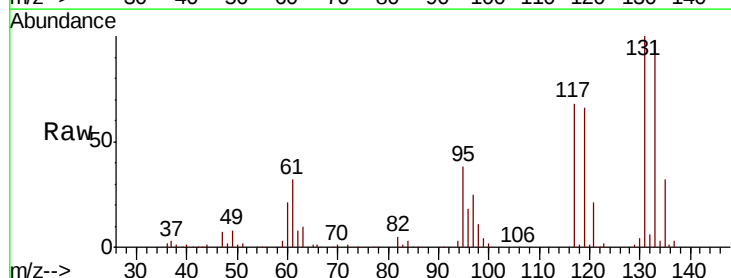
Tgt Ion:131 Resp: 71562

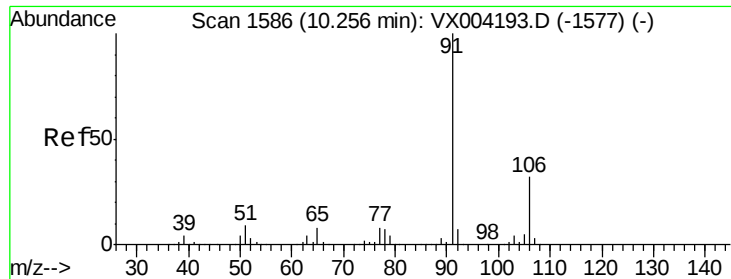
Ion Ratio Lower Upper

131 100

133 96.1 48.1 144.4

119 63.5 32.9 98.6





#67

Ethyl Benzene

Concen: 18.91 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion: 91 Resp: 330283

Ion Ratio Lower Upper

91 100

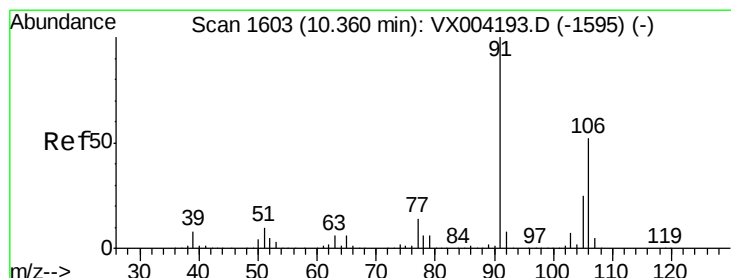
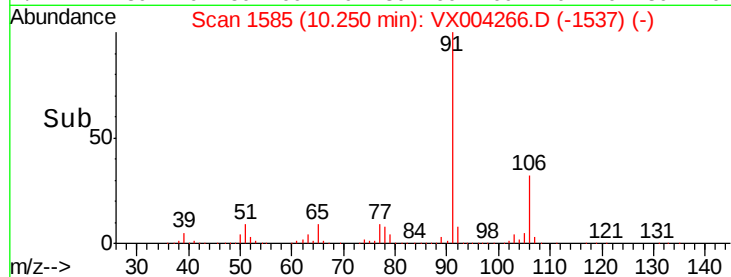
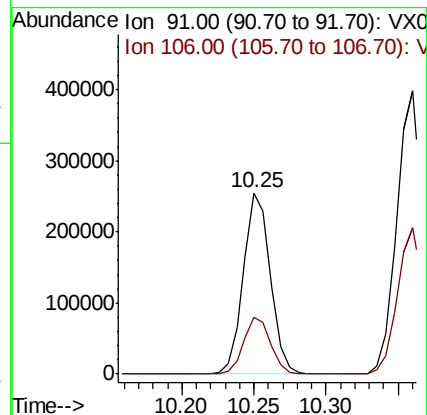
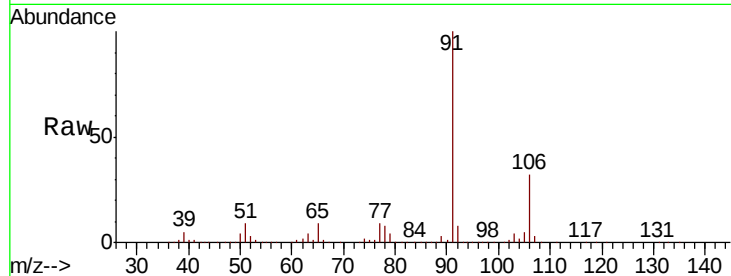
106 31.6 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.22 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004266.D

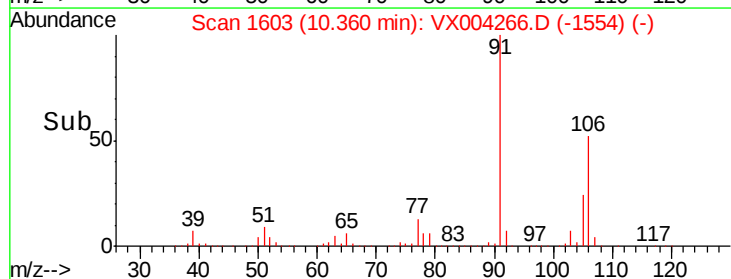
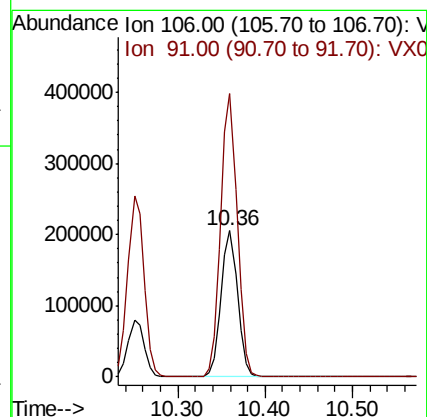
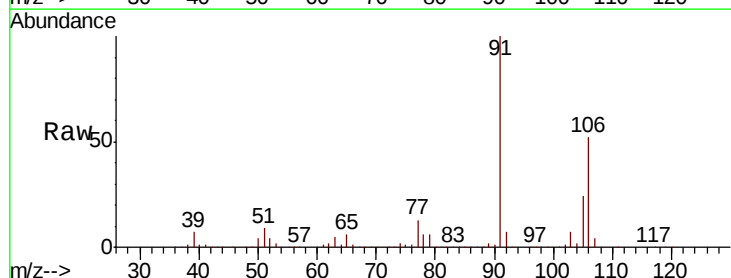
Acq: 27 Aug 2018 17:36

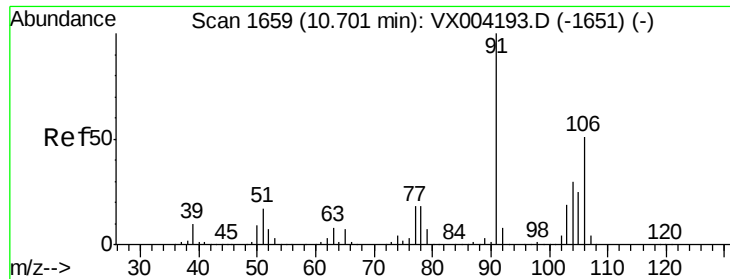
Tgt Ion: 106 Resp: 267880

Ion Ratio Lower Upper

106 100

91 193.8 157.1 235.7





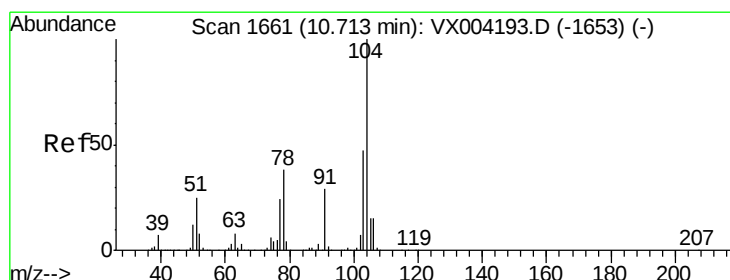
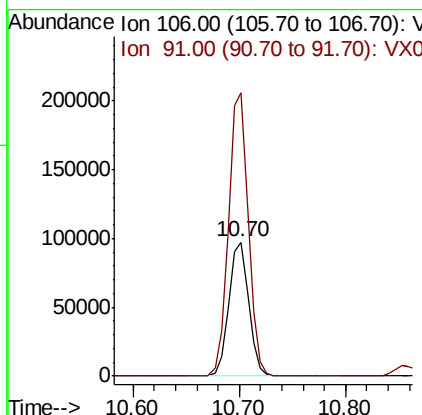
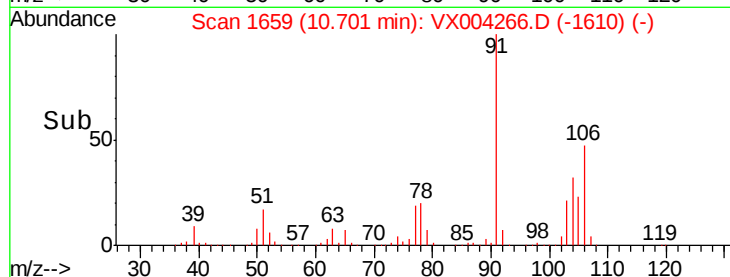
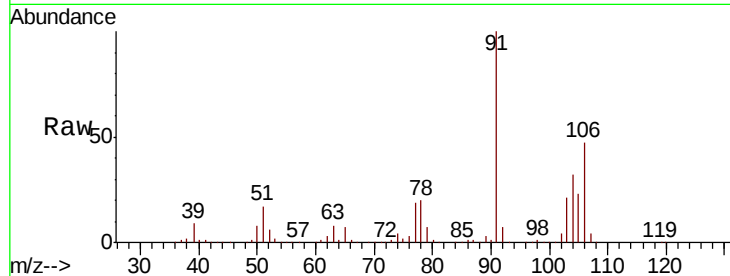
#69
o-Xylene
Concen: 19.74 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004266.D
Acq: 27 Aug 2018 17:36

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.9	105.1	315.1

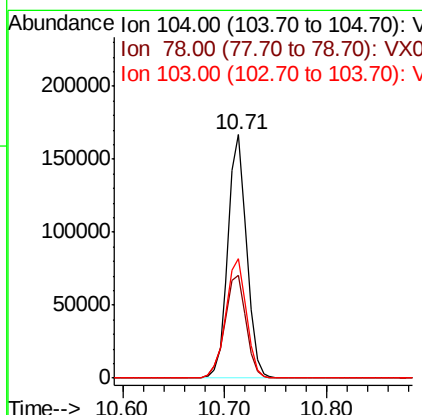
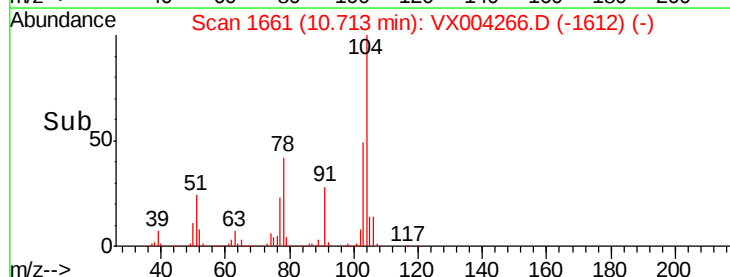
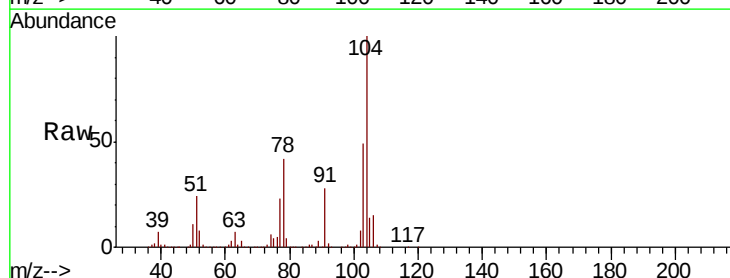
Manual Integrations
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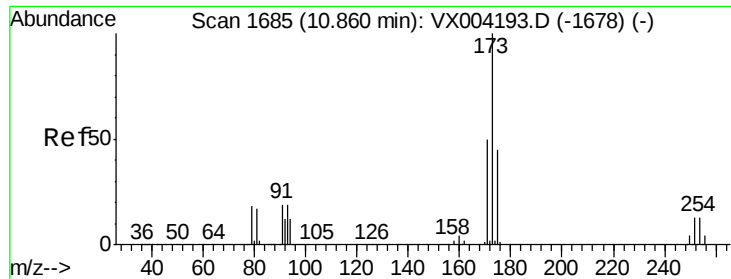
MMDadoda
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#70
Styrene
Concen: 20.24 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004266.D
Acq: 27 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	37.4	56.0
103	54.3	43.8	65.6





#71

Bromoform

Concen: 17.78 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion:173 Resp: 53180

Ion Ratio Lower Upper

173 100

175 49.6 24.1 72.3

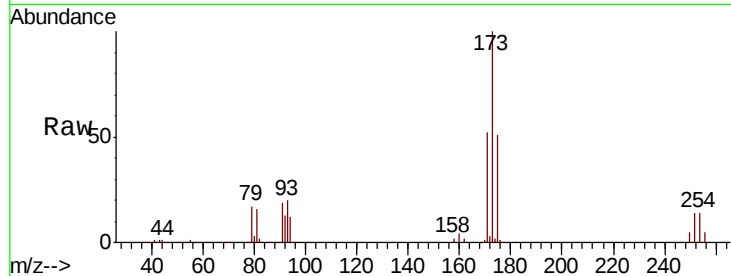
254 0.2 0.2 0.2#

Manual Integrations

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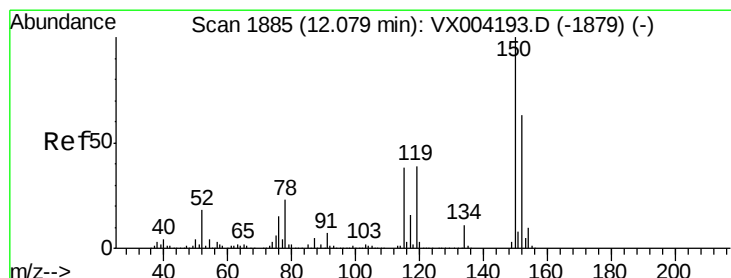
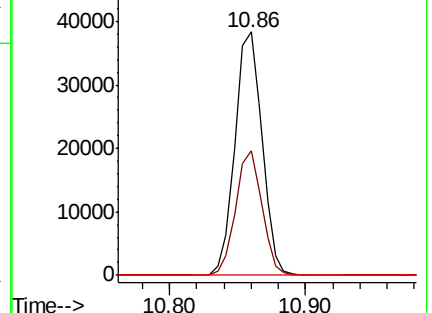
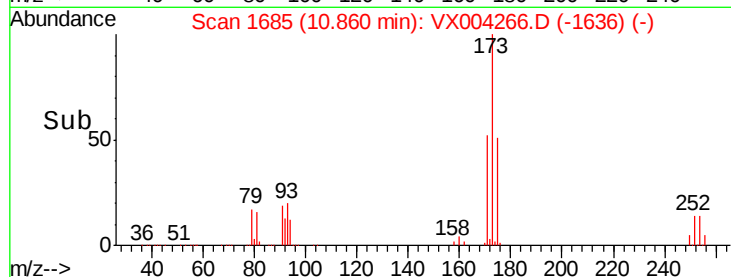


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

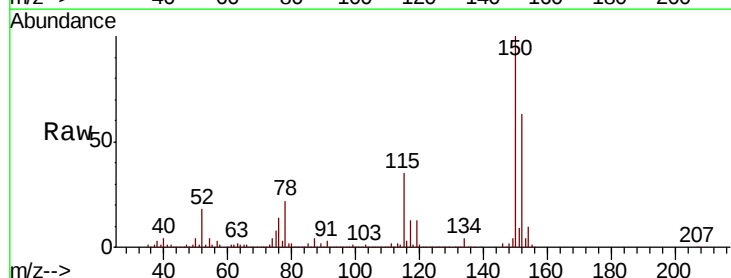
Tgt Ion:152 Resp: 257586

Ion Ratio Lower Upper

152 100

115 61.9 39.0 117.0

150 163.3 0.0 351.0

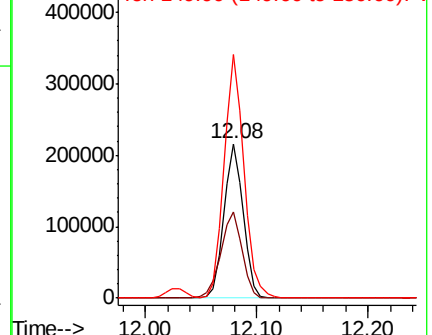
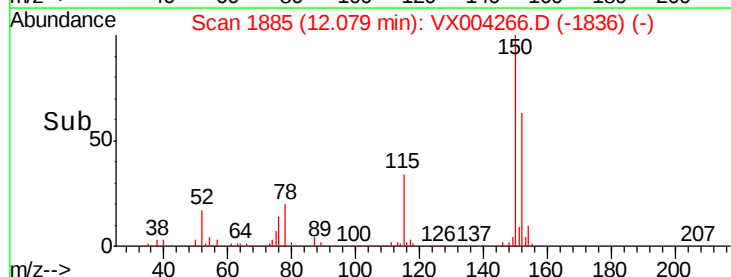


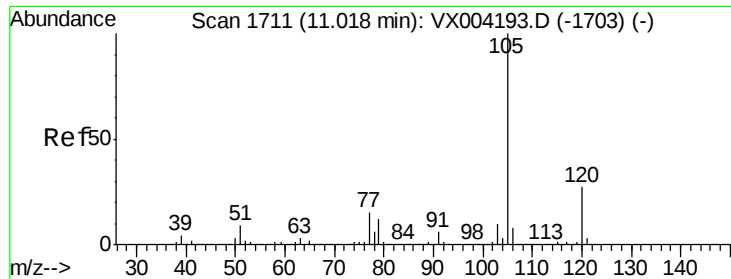
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.58 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion:105 Resp: 331306

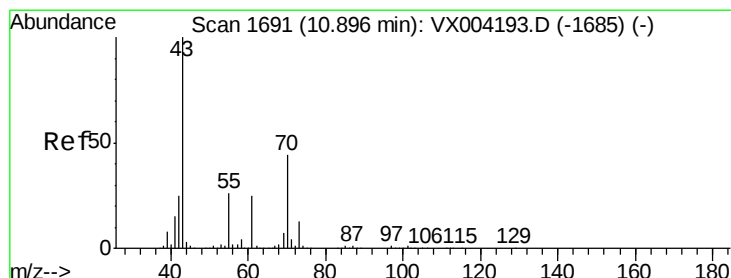
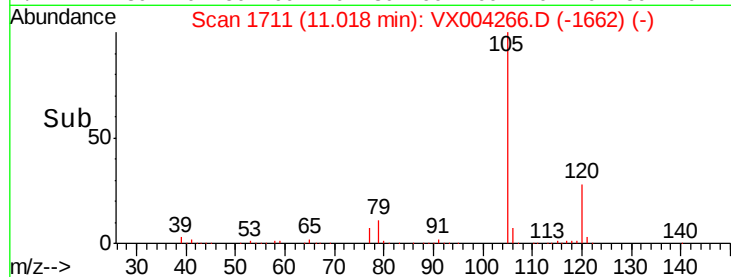
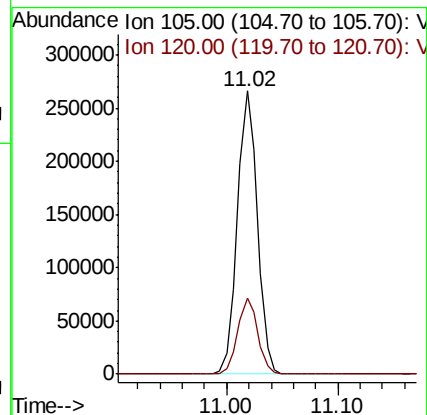
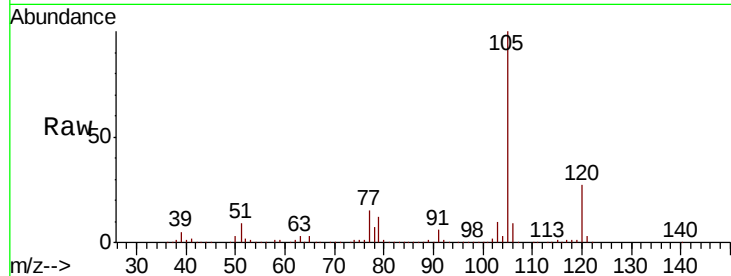
Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.48 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Tgt Ion: 43 Resp: 133433

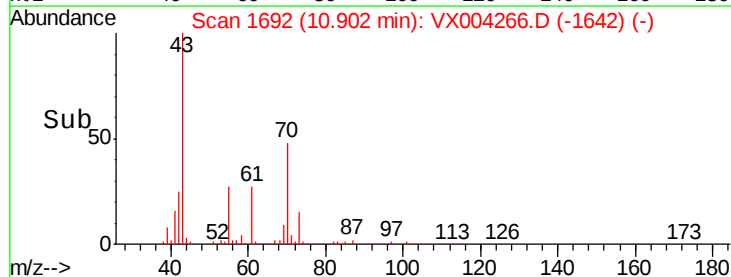
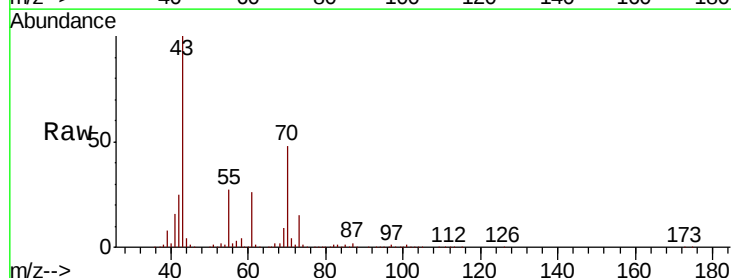
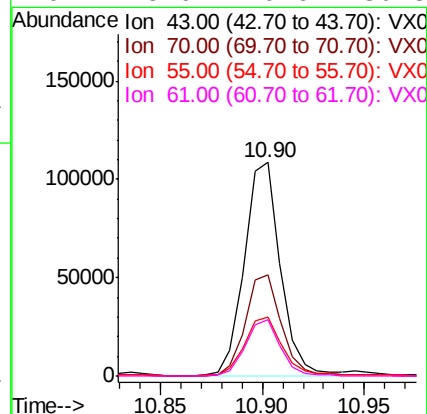
Ion Ratio Lower Upper

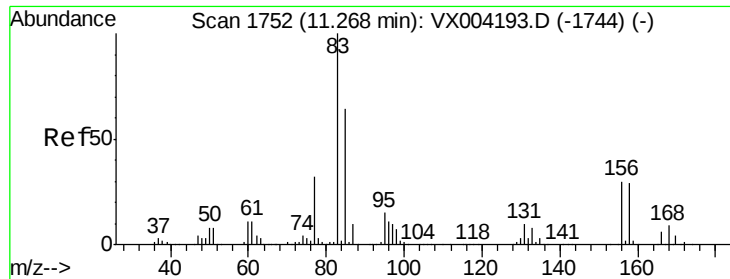
43 100

70 47.9 37.4 56.0

55 29.8 21.8 32.8

61 25.9 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.21 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

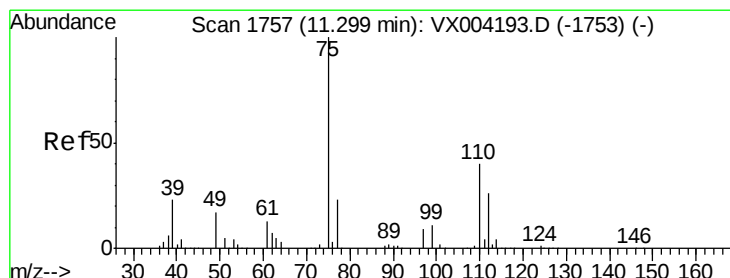
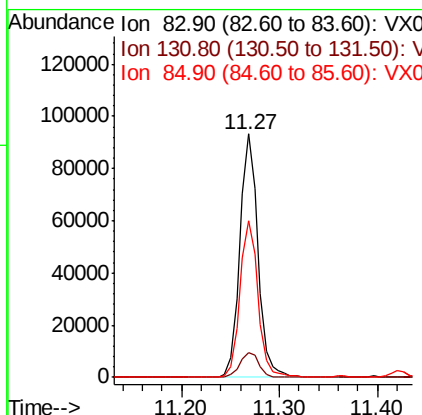
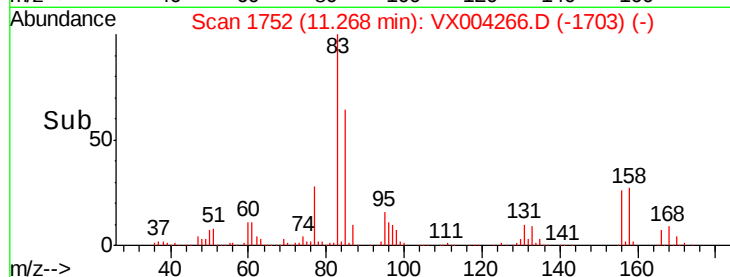
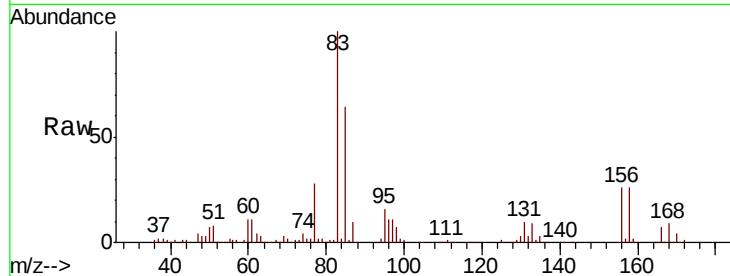
ClientSampleId :

VX0827MBSD01

Tot Ion:	83	Resp:	119681
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.1	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.22 ug/l m

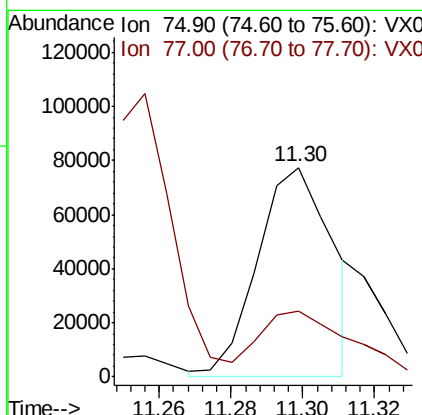
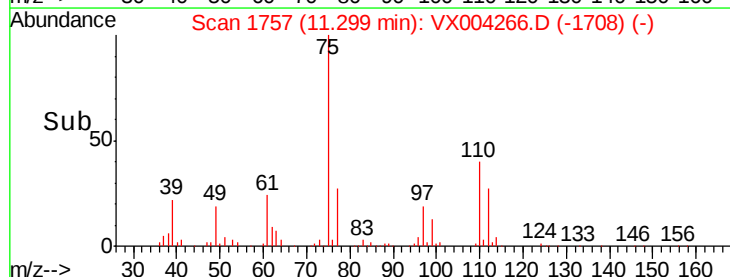
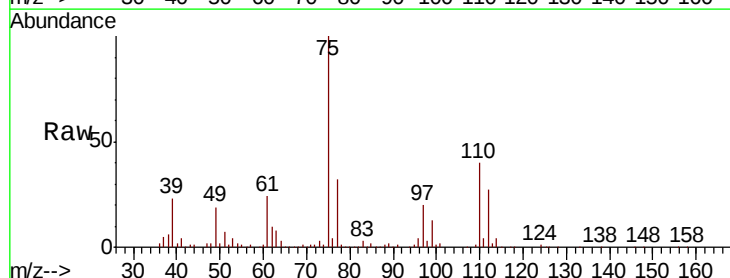
RT: 11.30 min Scan# 1757

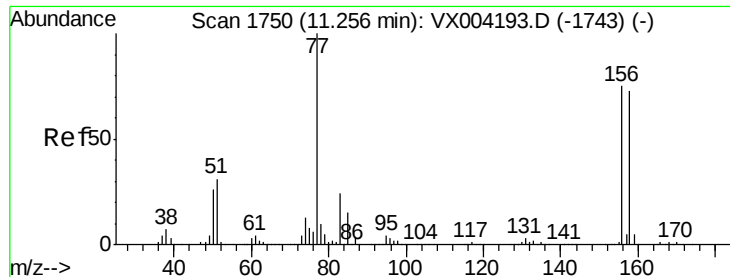
Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Tgt Ion:	75	Resp:	111151
Ion Ratio	Lower	Upper	
75	100		
77	38.6	20.2	60.6





#77

Bromobenzene

Concen: 20.03 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion:156 Resp: 95036

Ion Ratio Lower Upper

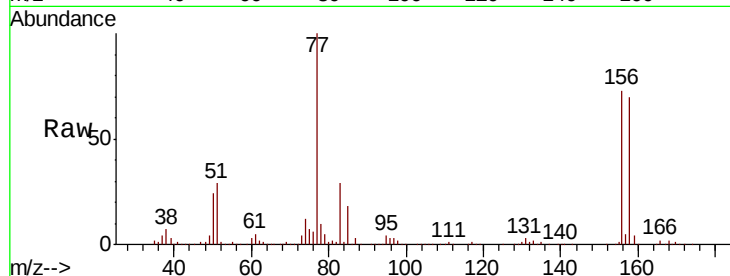
156 100

77 145.9 71.5 214.3

158 97.6 48.9 146.8

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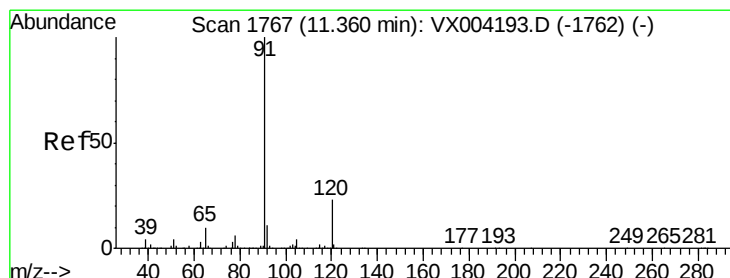
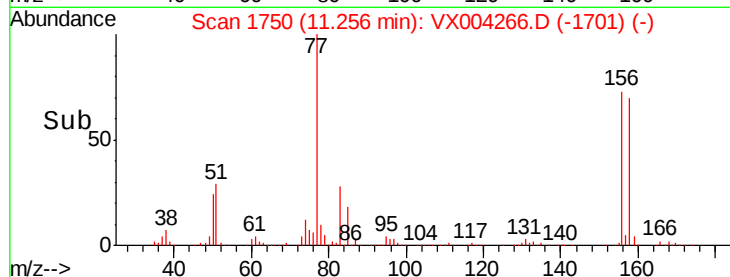
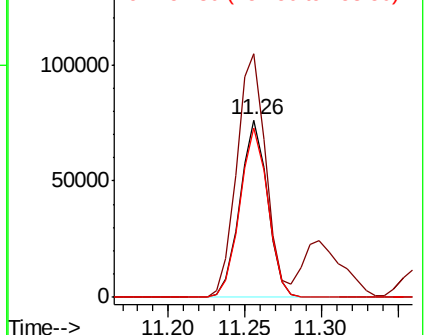
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.33 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004266.D

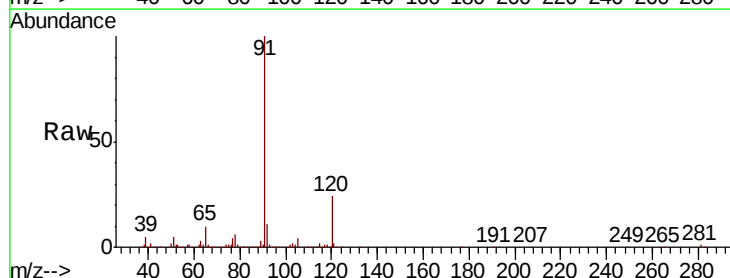
Acq: 27 Aug 2018 17:36

Tgt Ion: 91 Resp: 376132

Ion Ratio Lower Upper

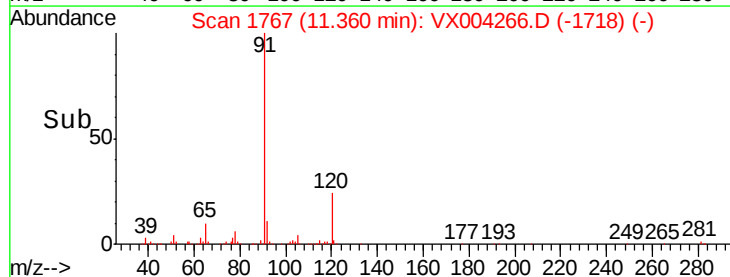
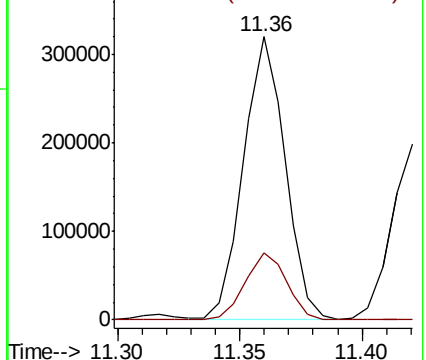
91 100

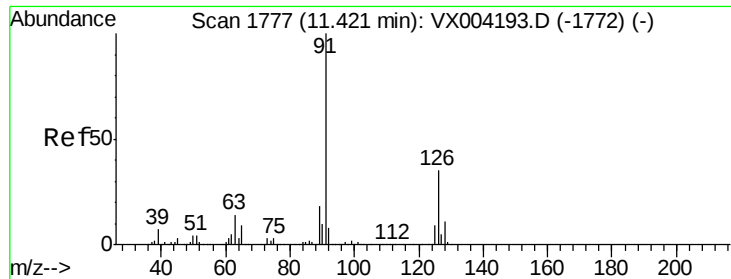
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.63 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion: 91 Resp: 235130

Ion Ratio Lower Upper

91 100

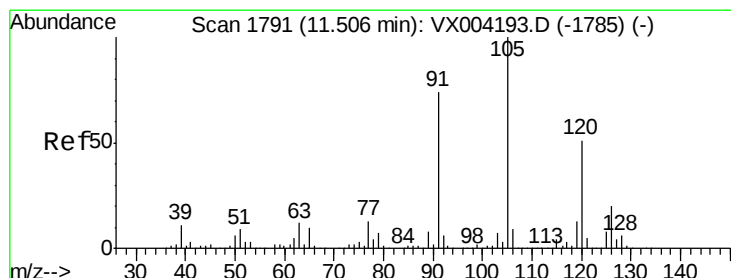
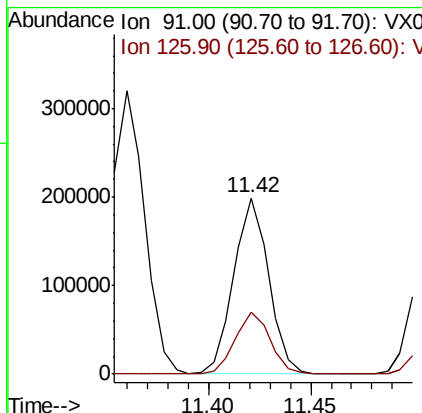
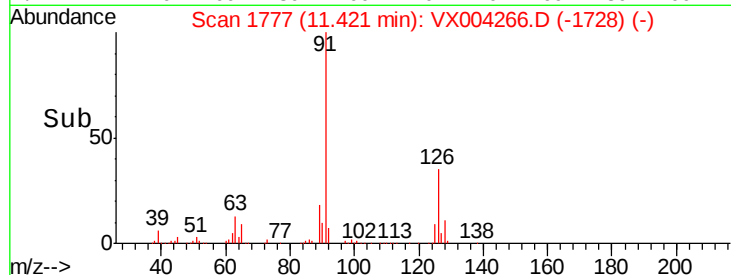
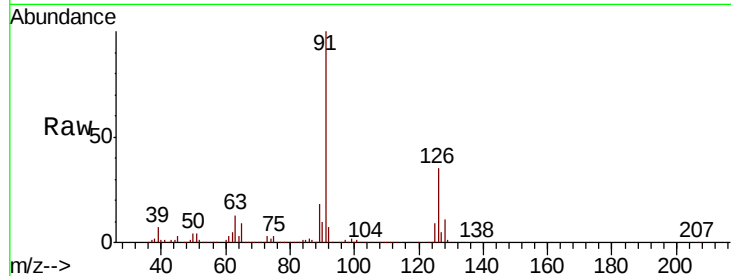
126 35.7 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 19.13 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004266.D

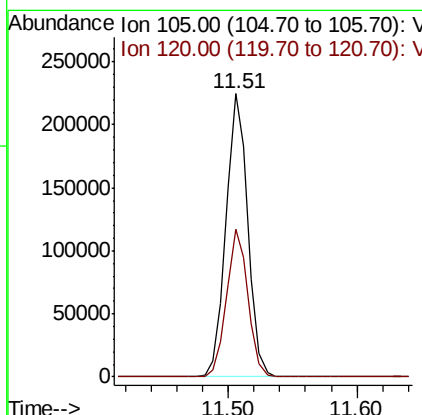
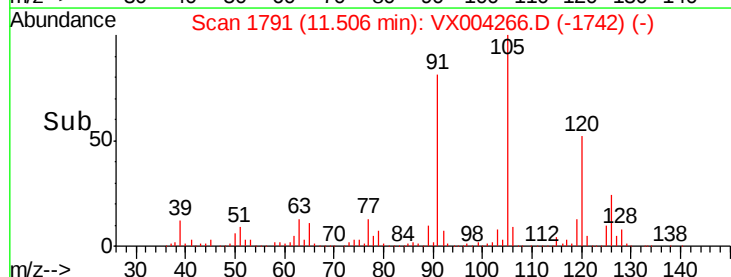
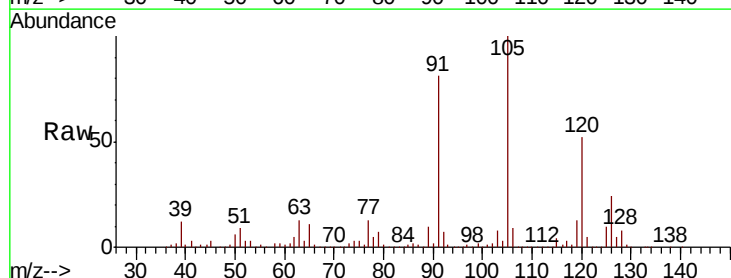
Acq: 27 Aug 2018 17:36

Tgt Ion: 105 Resp: 267981

Ion Ratio Lower Upper

105 100

120 51.3 25.6 76.8





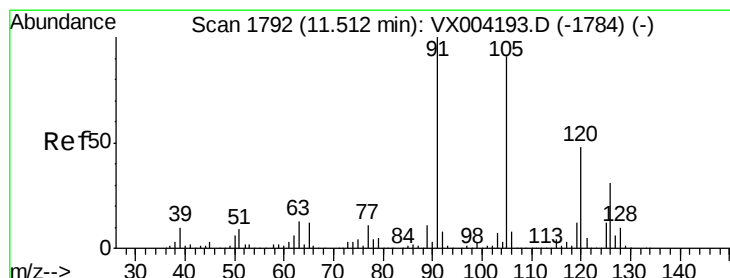
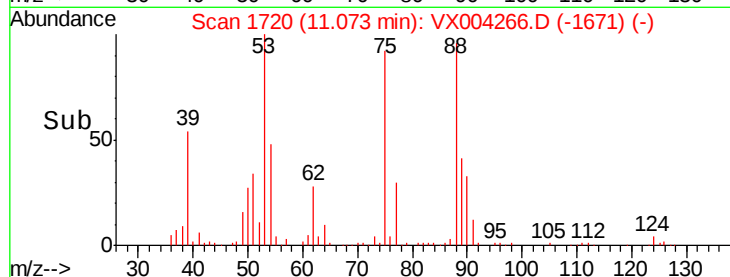
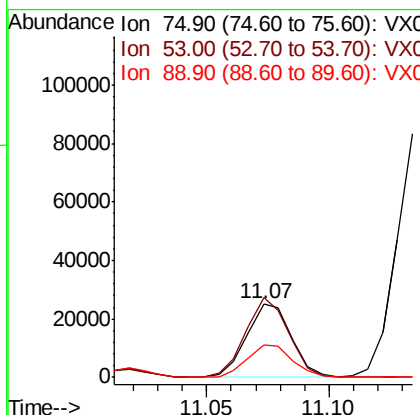
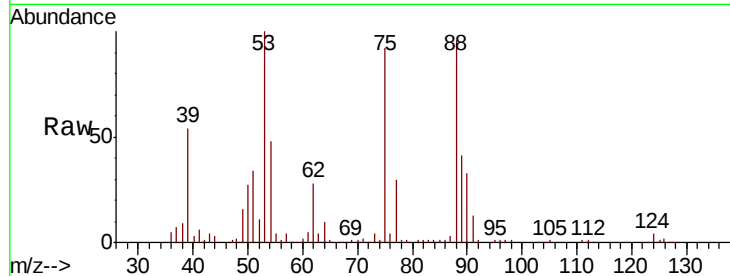
#81
trans-1,4-Dichloro-2-butene
Concen: 19.83 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.00 min
Lab File: VX004266.D
Acq: 27 Aug 2018 17:36

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.7	80.1	120.1
89	46.2	37.2	55.8

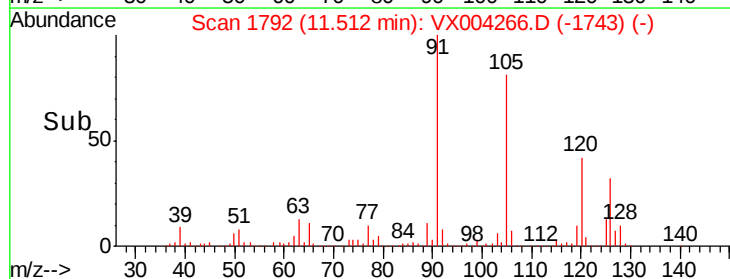
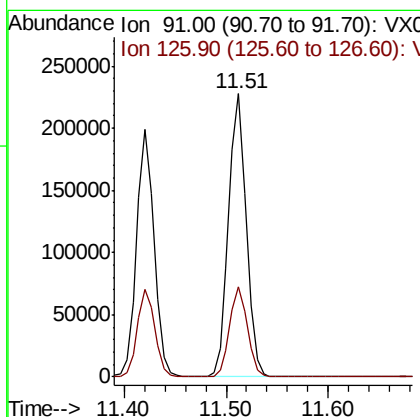
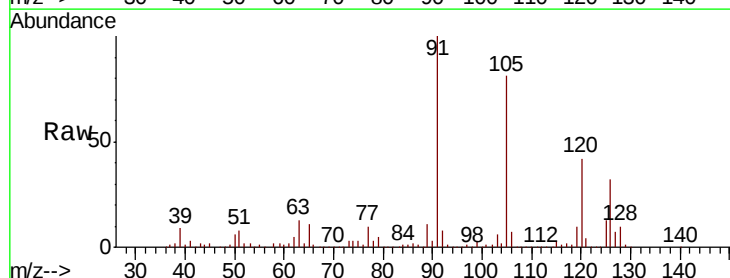
Manual Integrations
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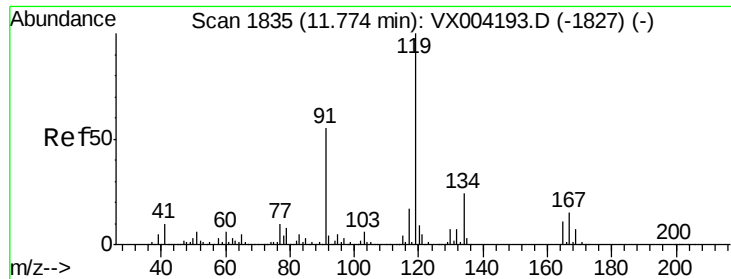
MMDadoda
8/28/2018 3:54:29 PM



#82
4-Chlorotoluene
Concen: 19.41 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004266.D
Acq: 27 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.5	46.5





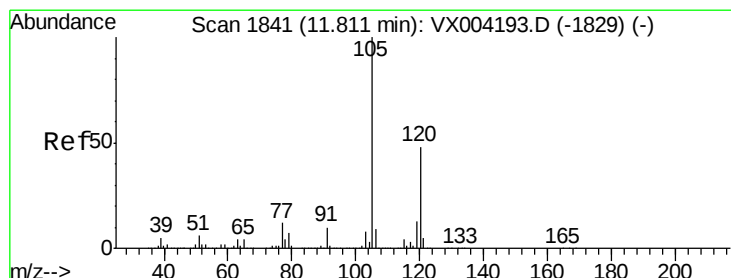
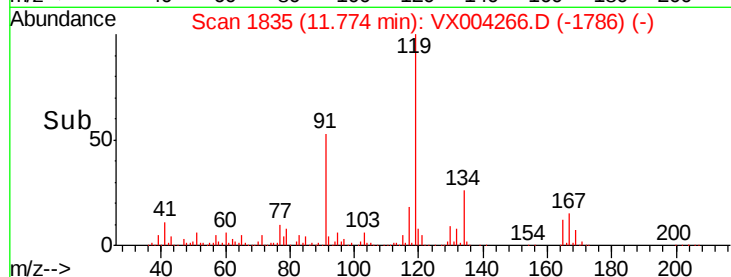
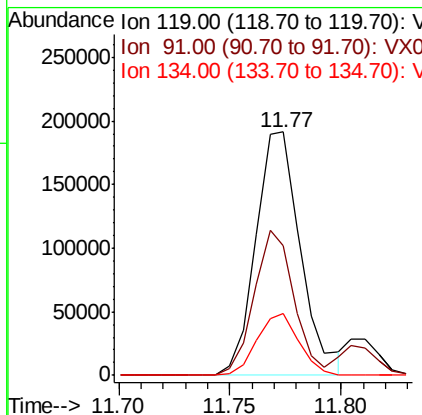
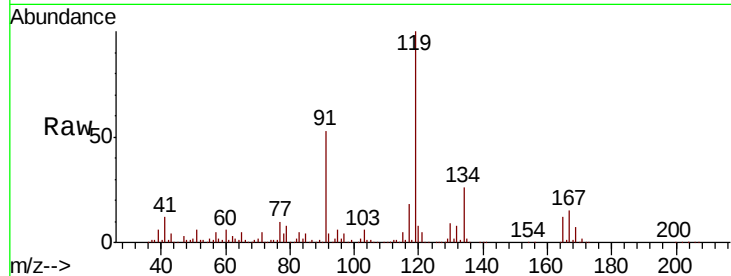
#83
 tert-Butylbenzene
 Concen: 19.03 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	268211		
91	53.3	27.0	81.0	
134	23.9	11.7	35.1	

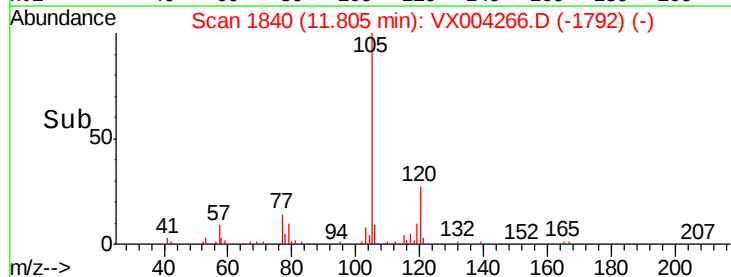
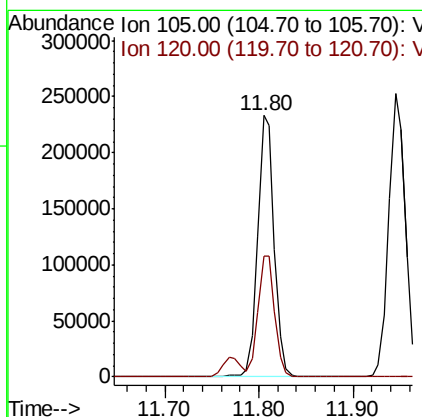
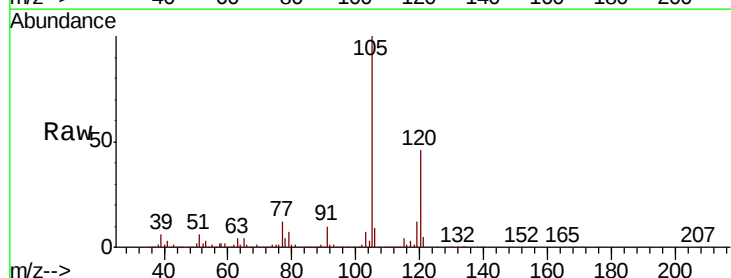
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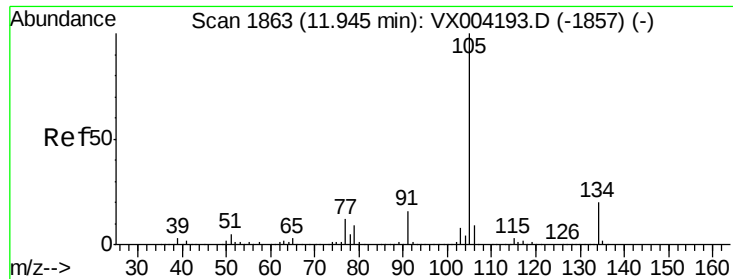
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.13 ug/l
 RT: 11.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	289486		
120	46.6	23.2	69.6	





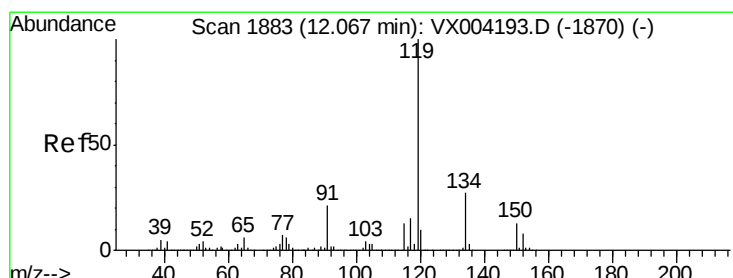
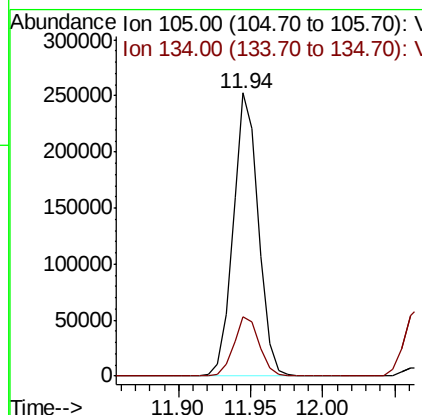
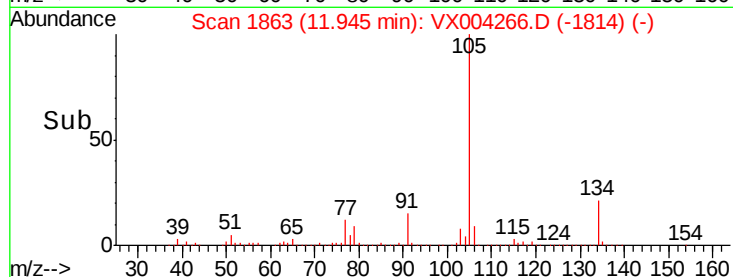
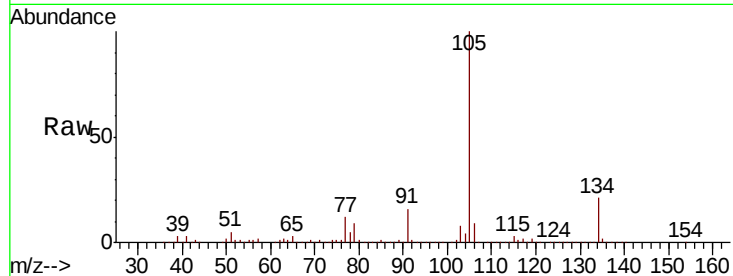
#85
 sec-Butylbenzene
 Concen: 18.42 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.5	31.5

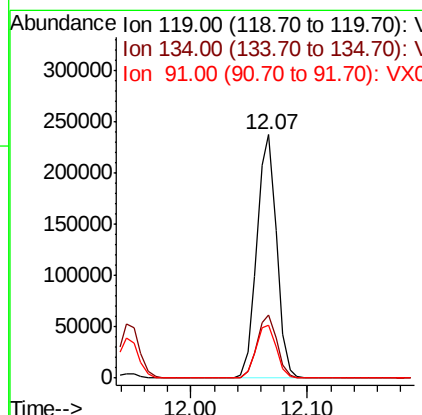
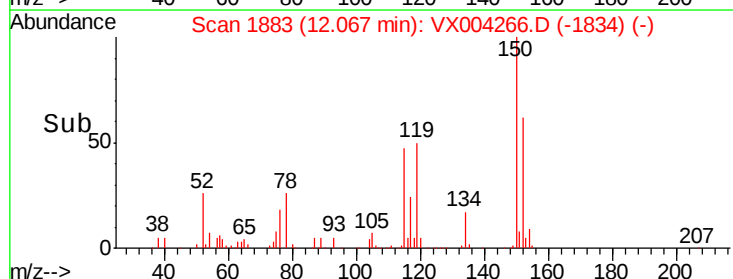
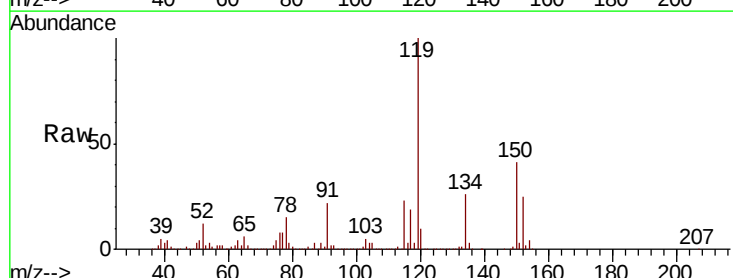
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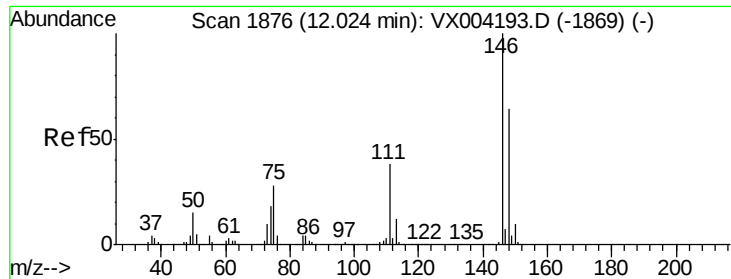
MMDadoda
 8/28/2018 3:54:29 PM



#86
 p-Isopropyltoluene
 Concen: 18.88 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.4	40.2
91	22.4	10.9	32.7





#87

1,3-Dichlorobenzene

Concen: 19.41 ug/l

RT: 12.02 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

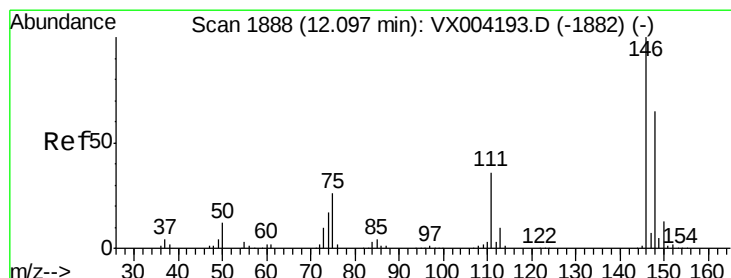
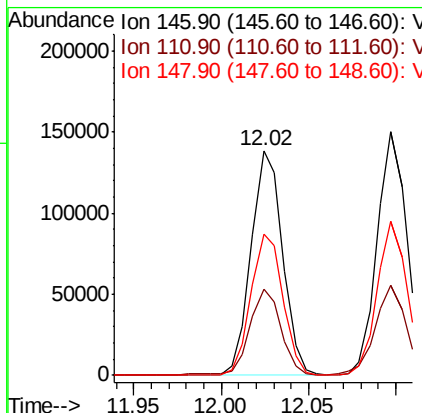
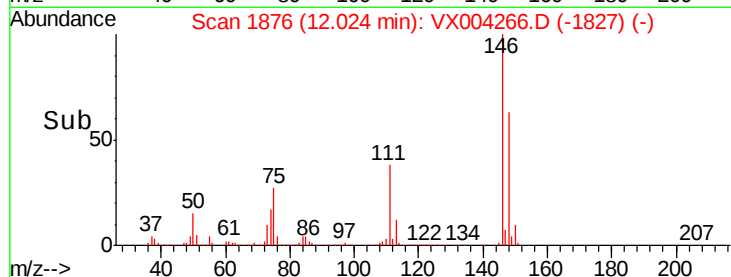
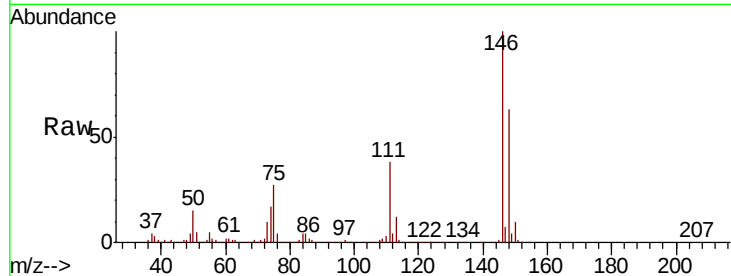
ClientSampleId :

VX0827MBSD01

Tot Ion:	146	Resp:	173412
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.7	56.1
148	63.8	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 19.04 ug/l

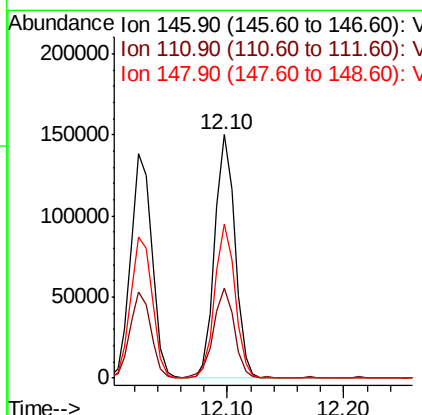
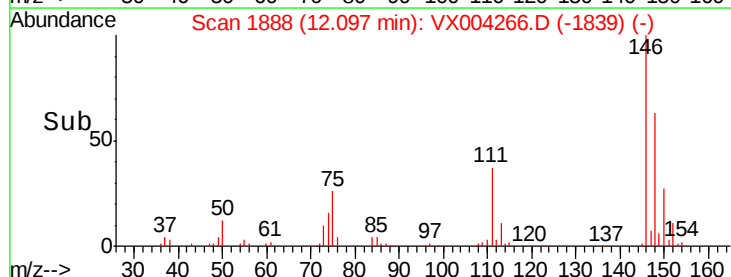
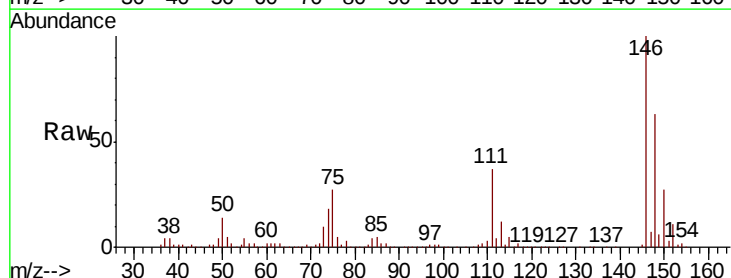
RT: 12.10 min Scan# 1888

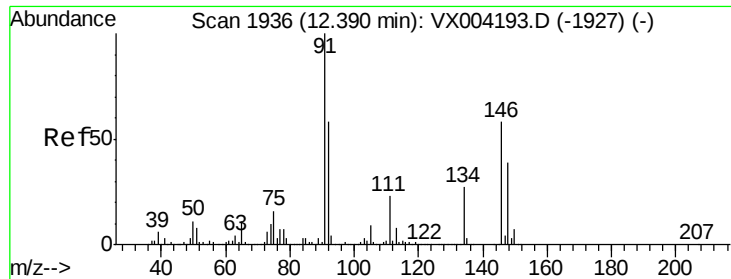
Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Tgt Ion:	146	Resp:	179332
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.1	54.1
148	63.2	32.0	96.0





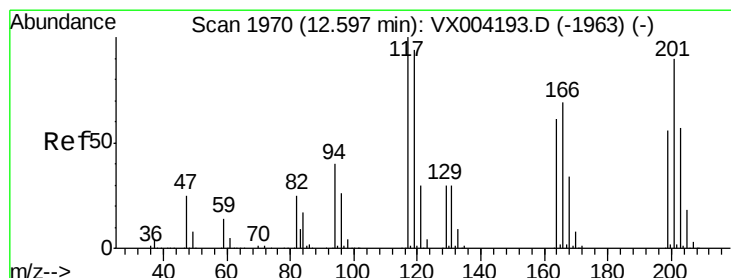
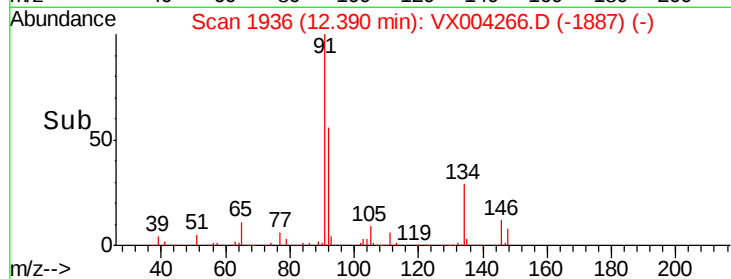
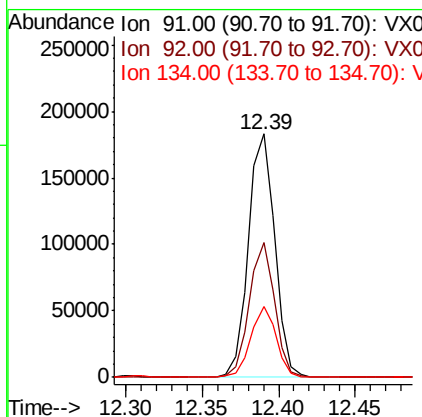
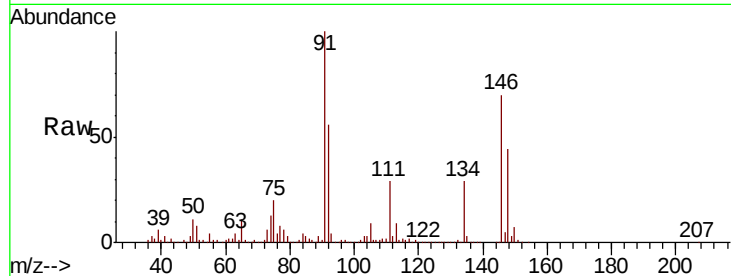
#89
n-Butylbenzene
Concen: 18.01 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004266.D
Acq: 27 Aug 2018 17:36

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.4	27.3	81.9	
134	28.2	13.6	40.7	

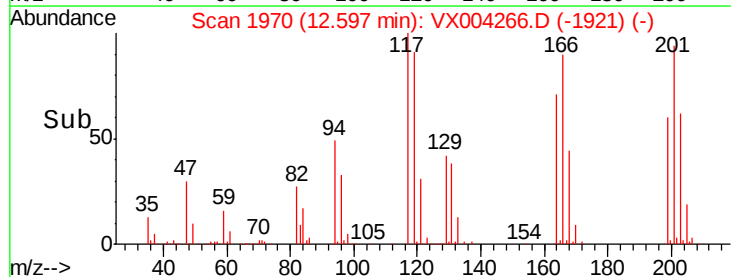
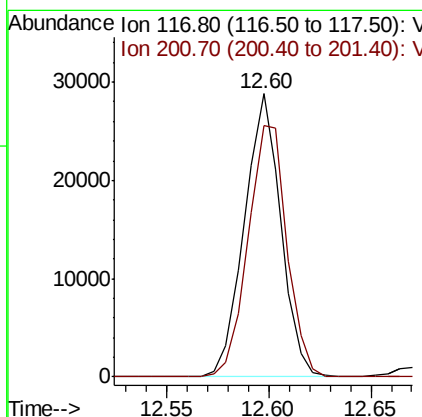
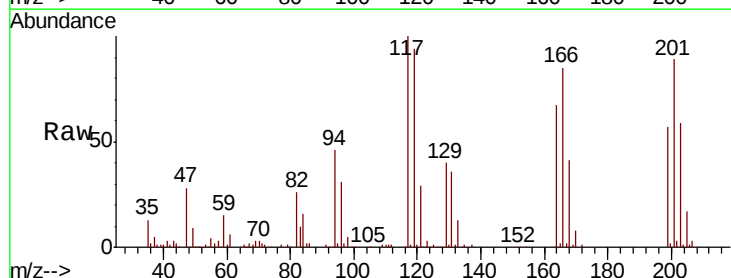
Manual Integrations
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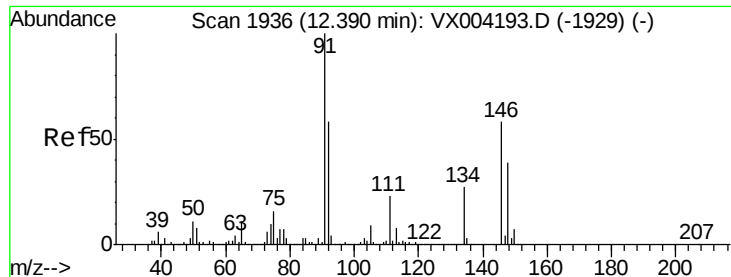
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#90
Hexachloroethane
Concen: 17.04 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004266.D
Acq: 27 Aug 2018 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	95.0	46.9	140.6	





#91

1,2-Dichlorobenzene

Concen: 20.14 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

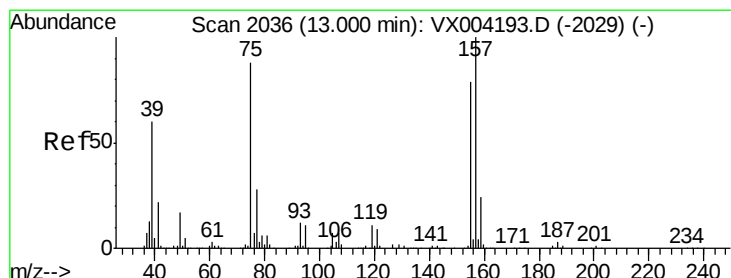
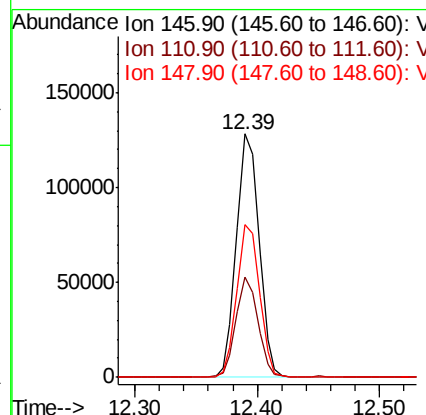
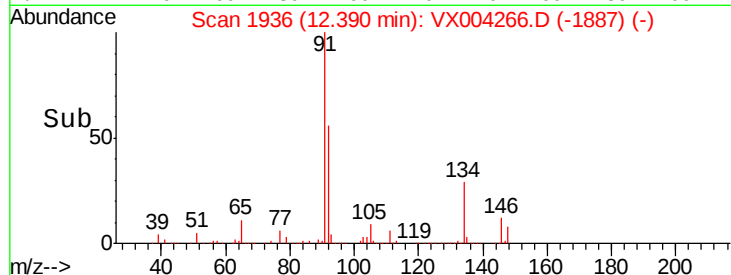
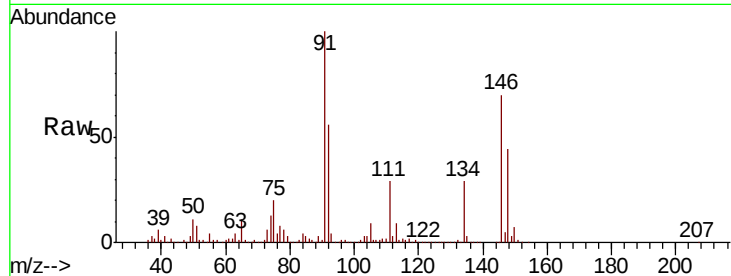
ClientSampleId :

VX0827MBSD01

Tot Ion:	146	Resp:	164493
Ion Ratio	Lower	Upper	
146	100		
111	39.6	19.4	58.1
148	62.7	32.8	98.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.14 ug/l

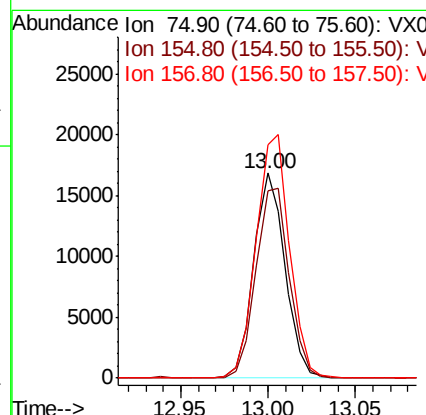
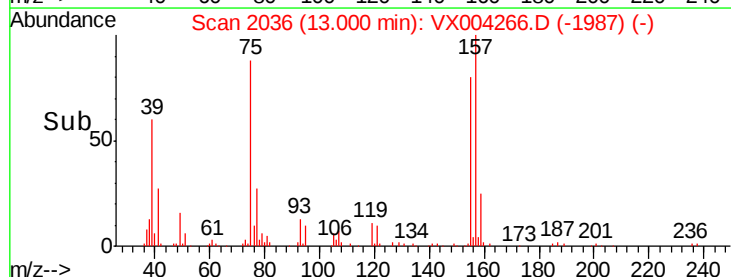
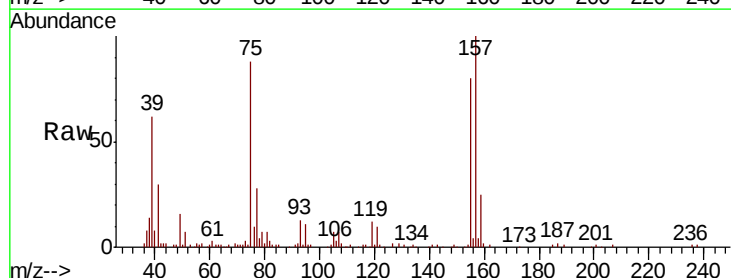
RT: 13.00 min Scan# 2036

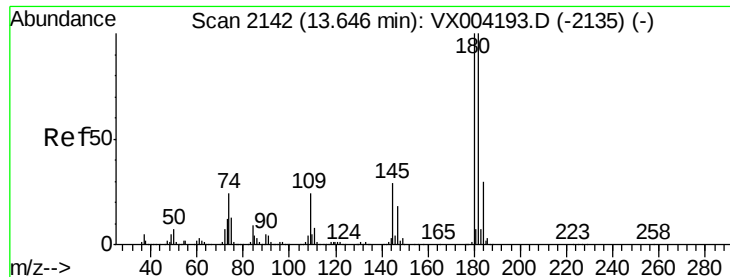
Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Tgt Ion:	75	Resp:	21001
Ion Ratio	Lower	Upper	
75	100		
155	99.0	48.0	144.2
157	126.5	61.4	184.1





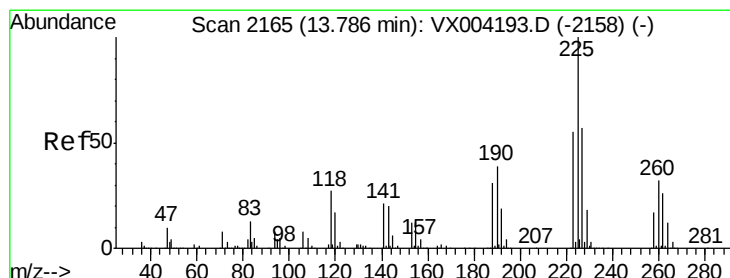
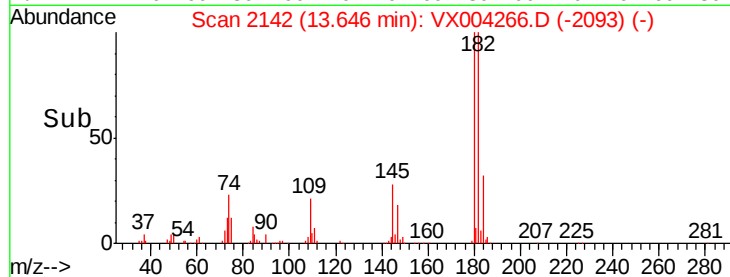
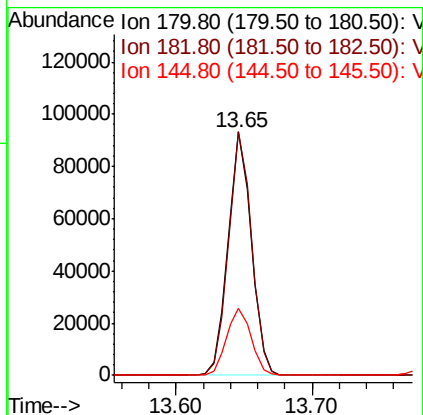
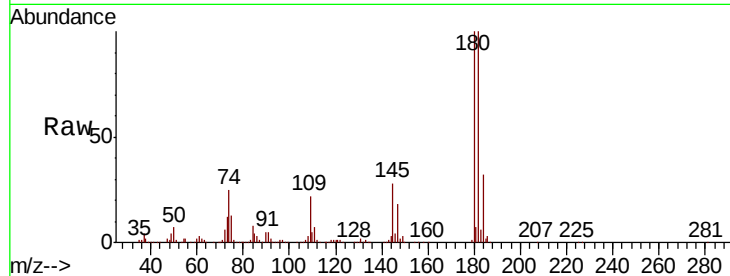
#93
 1,2,4-Trichlorobenzene
 Concen: 18.63 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	110696		
182	99.2	48.4	145.0	
145	29.6	14.3	42.9	

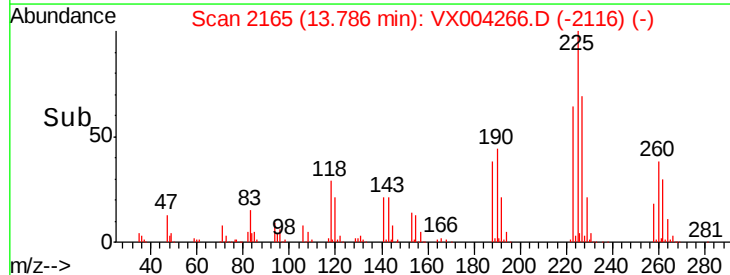
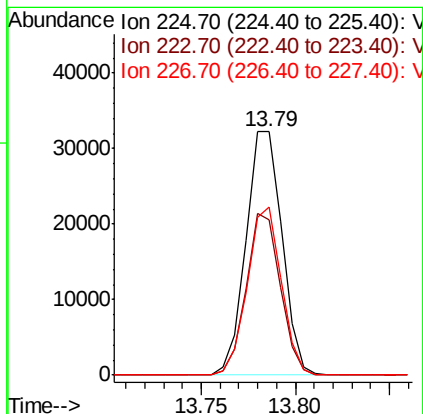
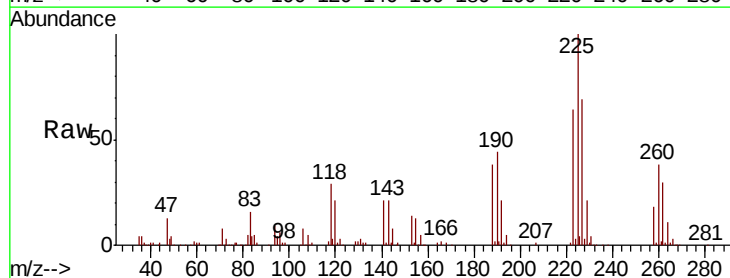
Manual Integrations
 APPROVED

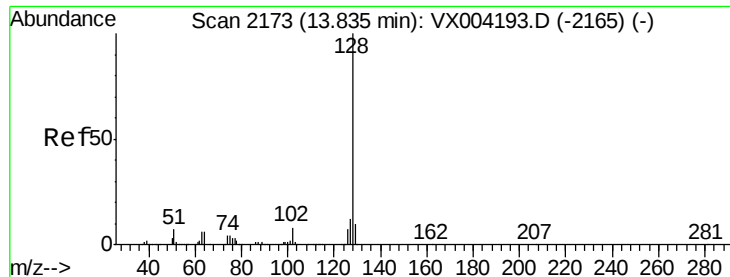
MMDadoda
 8/28/2018 3:54:29 PM



#94
 Hexachlorobutadiene
 Concen: 15.43 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX004266.D
 Acq: 27 Aug 2018 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	42918		
223	62.7	30.1	90.5	
227	64.8	30.8	92.4	





#95

Naphthalene

Concen: 22.43 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Instrument :

MSVOA_X

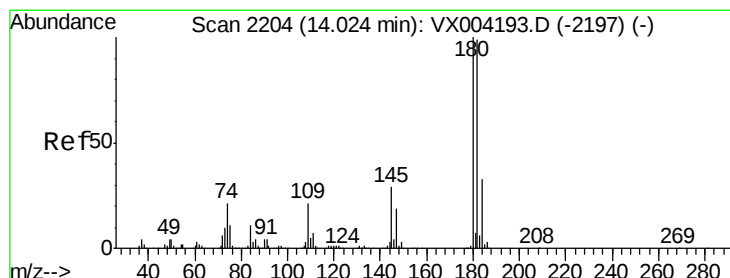
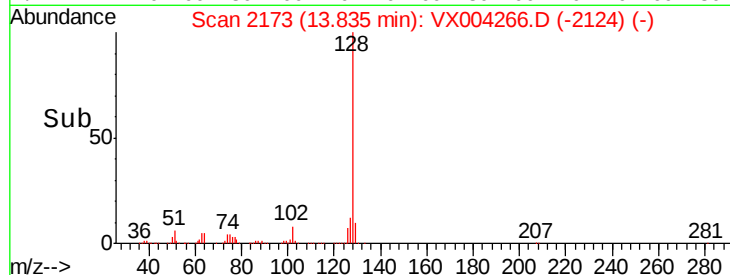
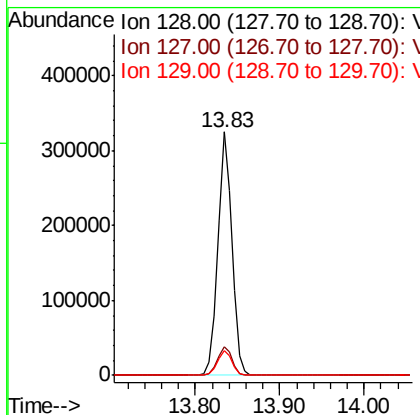
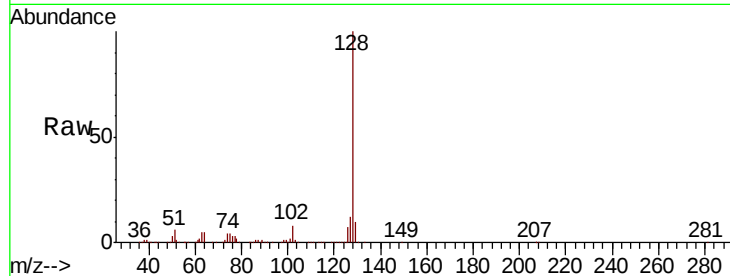
ClientSampleId :

VX0827MBSD01

Tot Ion:	128	Resp:	376882
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.2	15.2
129	10.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/28/2018 3:54:29 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.93 ug/l

RT: 14.02 min Scan# 2203

Delta R.T. -0.01 min

Lab File: VX004266.D

Acq: 27 Aug 2018 17:36

Tgt Ion:	180	Resp:	125340
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.5	145.6
145	29.4	14.9	44.9

