

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031919\
 Data File : VX008187.D
 Acq On : 19 Mar 2019 13:16
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX031919

Manual Integrations
 APPROVED

MMDadoda
 3/20/2019 10:28:27 AM

Quant Time: Mar 20 07:24:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	368260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	597979	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	533617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	254730	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	278760	50.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.52%	
35) Dibromofluoromethane	5.50	113	210416	52.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.12%	
50) Toluene-d8	8.71	98	810822	53.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.84%	
62) 4-Bromofluorobenzene	11.13	95	289584	55.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	245781	55.049	ug/l	100
3) Chloromethane	1.33	50	277612	49.553	ug/l	99
4) Vinyl Chloride	1.41	62	283978	50.839	ug/l	99
5) Bromomethane	1.64	94	248764	52.282	ug/l	99
6) Chloroethane	1.72	64	171339	48.922	ug/l	98
7) Trichlorofluoromethane	1.93	101	354309	49.703	ug/l	97
8) Diethyl Ether	2.19	74	198653	54.164	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	261131	55.173	ug/l	91
10) Methyl Iodide	2.51	142	326259	54.139	ug/l	97
11) Tert butyl alcohol	3.05	59	311224	262.122	ug/l	99
12) 1,1-Dichloroethene	2.37	96	239737	53.653	ug/l	91
13) Acrolein	2.29	56	221153	265.164	ug/l	99
14) Allyl chloride	2.73	41	532523	54.748	ug/l	93
15) Acrylonitrile	3.14	53	828954	263.956	ug/l	99
16) Acetone	2.45	43	852283	270.938	ug/l	97
17) Carbon Disulfide	2.57	76	758846	52.001	ug/l	100
18) Methyl Acetate	2.78	43	399066	54.798	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	884271	54.733	ug/l	97
20) Methylene Chloride	2.86	84	272453	51.941	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	256004	53.034	ug/l	91
22) Diisopropyl ether	3.85	45	1038643	54.521	ug/l #	81
23) Vinyl Acetate	3.82	43	4580074	280.424	ug/l	98
24) 1,1-Dichloroethane	3.70	63	524355	53.517	ug/l	98
25) 2-Butanone	4.67	43	1263723	272.152	ug/l	97
26) 2,2-Dichloropropane	4.59	77	414276	56.127	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	294394	53.498	ug/l	90
28) Bromochloromethane	5.02	49	214570	48.770	ug/l #	81
29) Tetrahydrofuran	5.13	42	791413	272.641	ug/l	97
30) Chloroform	5.21	83	490845	53.556	ug/l	98
31) Cyclohexane	5.58	56	524107	56.964	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	417413	54.749	ug/l	96
36) 1,1-Dichloropropene	5.80	75	394601	56.679	ug/l	96
37) Ethyl Acetate	4.83	43	465229	56.529	ug/l	98
38) Carbon Tetrachloride	5.79	117	350449	56.495	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	499824	59.658	ug/l	94
40) Benzene	6.14	78	1148655	55.743	ug/l	99
41) Methacrylonitrile	5.04	41	264500	57.296	ug/l	96
42) 1,2-Dichloroethane	6.20	62	411271	54.483	ug/l	96
43) Isopropyl Acetate	6.45	43	759062	57.542	ug/l	97
44) Trichloroethene	7.21	130	275465	54.673	ug/l	89
45) 1,2-Dichloropropane	7.51	63	318022	55.131	ug/l	100
46) Dibromomethane	7.66	93	188856	54.073	ug/l	87
47) Bromodichloromethane	7.90	83	377118	56.657	ug/l	98
48) Methyl methacrylate	7.77	41	398111	56.758	ug/l	93
49) 1,4-Dioxane	7.74	88	132564	1070.998	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	2361800	276.939	ug/l	98
52) Toluene	8.79	92	683838	55.938	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	442909	53.044	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	482932	58.461	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	275903	55.859	ug/l	98
56) Ethyl methacrylate	9.18	69	464770	53.607	ug/l #	91
57) 1,3-Dichloropropane	9.37	76	488473	55.905	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1108118	273.820	ug/l	93
59) 2-Hexanone	9.49	43	1814245	276.321	ug/l	97
60) Dibromochloromethane	9.58	129	276915	58.337	ug/l	99
61) 1,2-Dibromoethane	9.67	107	288477	55.935	ug/l	99
64) Tetrachloroethene	9.34	164	264525	54.946	ug/l	96
65) Chlorobenzene	10.13	112	721145	54.923	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	259000	56.575	ug/l	99
67) Ethyl Benzene	10.25	91	1316549	56.900	ug/l	98
68) m/p-Xylenes	10.36	106	978041	115.070	ug/l	94
69) o-Xylene	10.70	106	467672	56.626	ug/l	94
70) Styrene	10.71	104	768416	57.249	ug/l	95
71) Bromoform	10.85	173	201508	51.039	ug/l #	100
73) Isopropylbenzene	11.02	105	1266605	55.784	ug/l	98
74) N-amyl acetate	10.90	43	646794	54.371	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	412384	50.651	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	363807m	50.779	ug/l	
77) Bromobenzene	11.26	156	289679	52.767	ug/l	84
78) n-propylbenzene	11.36	91	1511713	57.324	ug/l	95
79) 2-Chlorotoluene	11.42	91	865862	54.703	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	1050073	55.979	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	144022	51.210	ug/l	95
82) 4-Chlorotoluene	11.51	91	1015204	55.118	ug/l	95
83) tert-Butylbenzene	11.77	119	999801	55.826	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	1064322	55.967	ug/l	97
85) sec-Butylbenzene	11.94	105	1263880	56.987	ug/l	96
86) p-Isopropyltoluene	12.06	119	1095102	57.044	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	533846	54.413	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	533735	52.594	ug/l	98
89) n-Butylbenzene	12.38	91	1060486	58.856	ug/l	97
90) Hexachloroethane	12.60	117	188537	57.665	ug/l	83
91) 1,2-Dichlorobenzene	12.39	146	525993	53.172	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	95053	52.564	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	360002	55.249	ug/l	98
94) Hexachlorobutadiene	13.78	225	179553	56.501	ug/l	100
95) Naphthalene	13.83	128	1145954	55.722	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	351430	54.812	ug/l	98

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

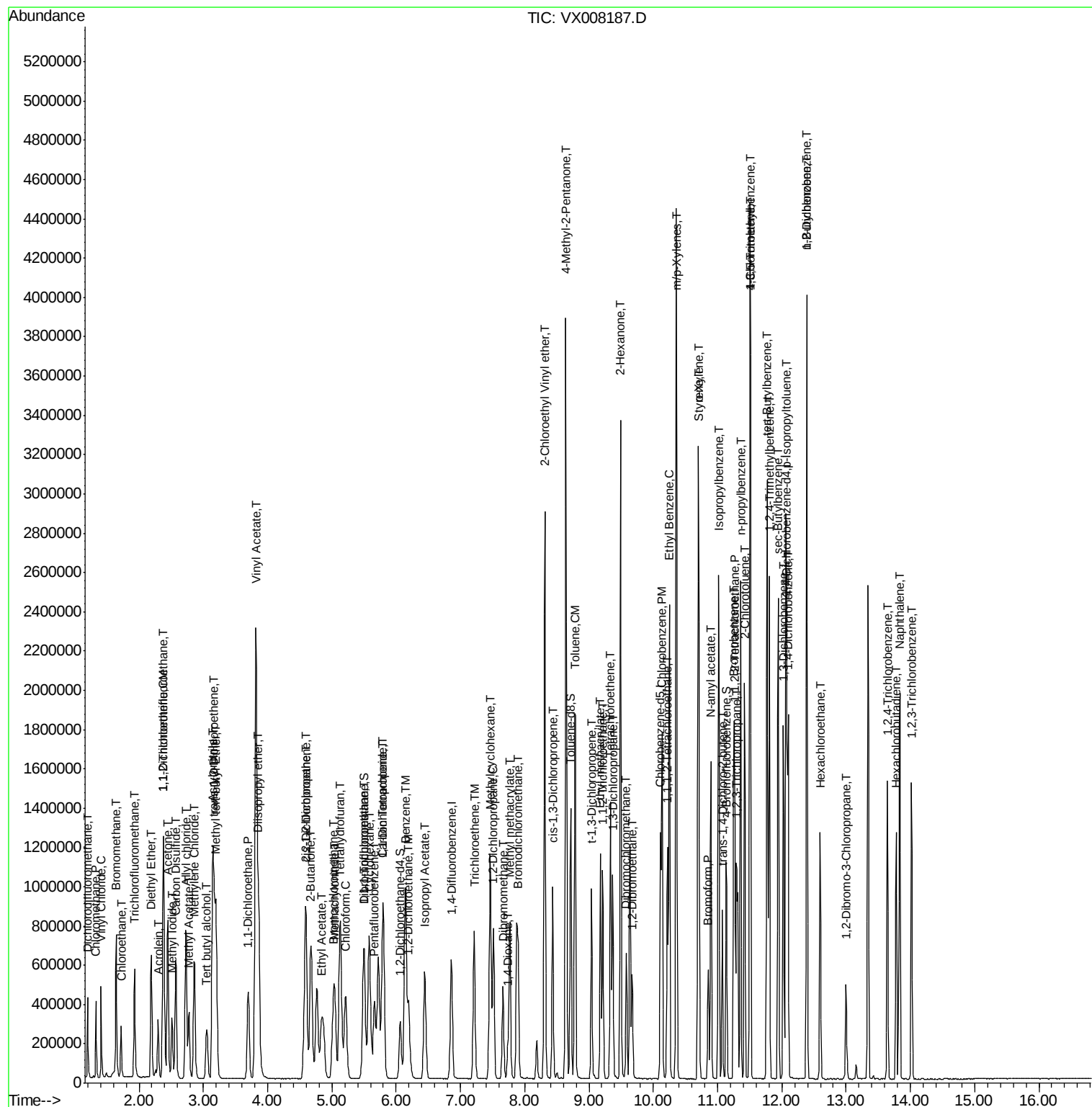
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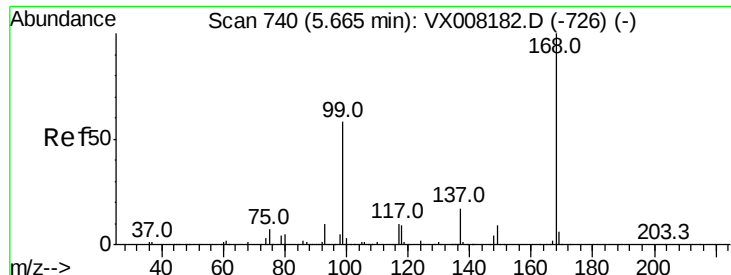
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031919

Tot Ion:168 Resp: 368260

Ion Ratio Lower Upper

168 100

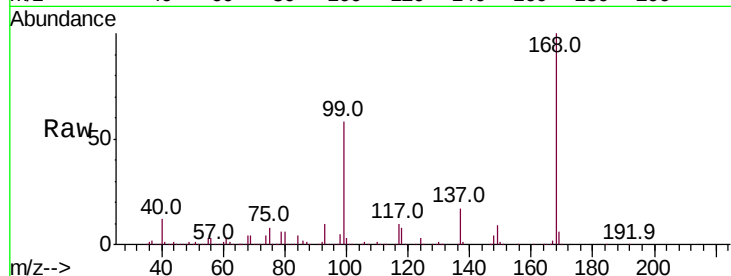
99 57.3 37.6 56.4#

Manual Integrations

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3/20/2019 10:28:27 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

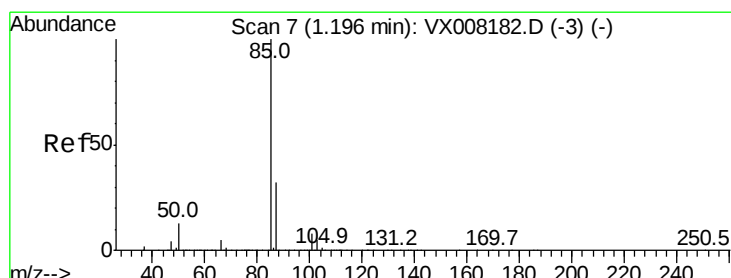
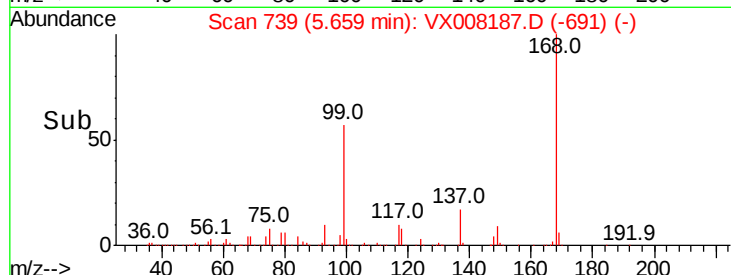
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 55.049 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008187.D

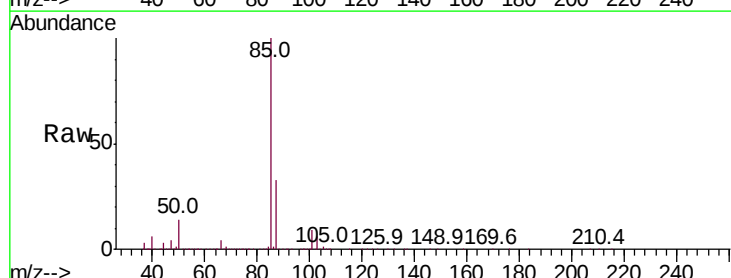
Acq: 19 Mar 2019 13:16

Tgt Ion: 85 Resp: 245781

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

250000

200000

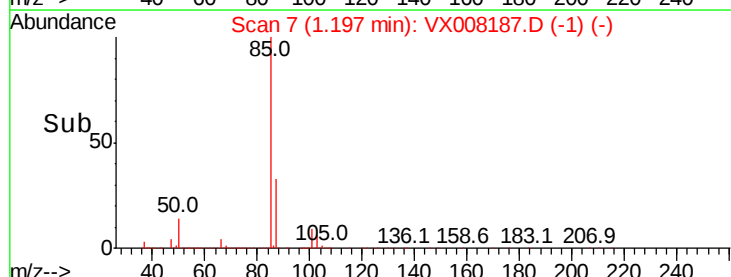
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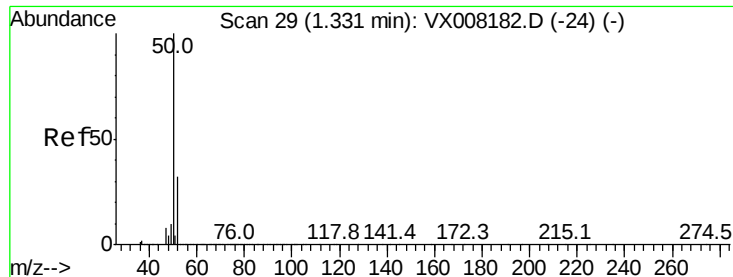
100000

50000

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Time-->





#3

Chloromethane

Concen: 49.553 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031919

Tot Ion: 50 Resp: 277612

Ion Ratio Lower Upper

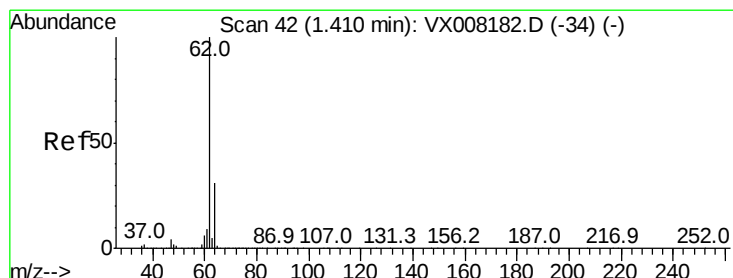
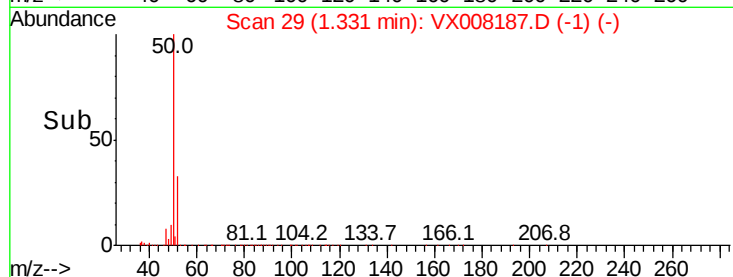
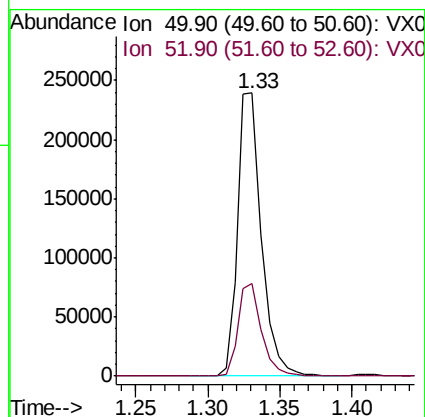
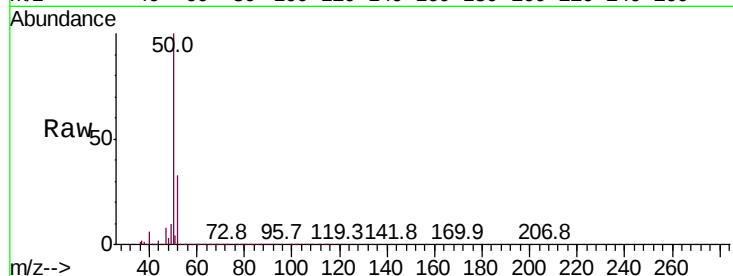
50 100

52 32.8 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 50.839 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008187.D

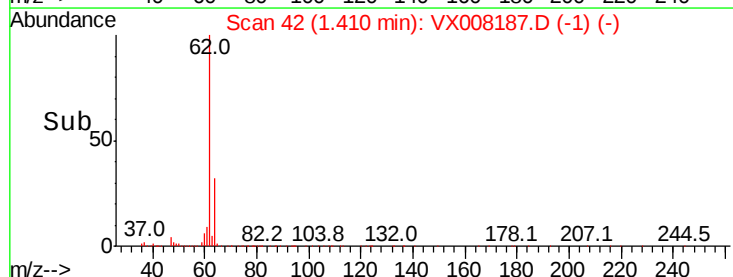
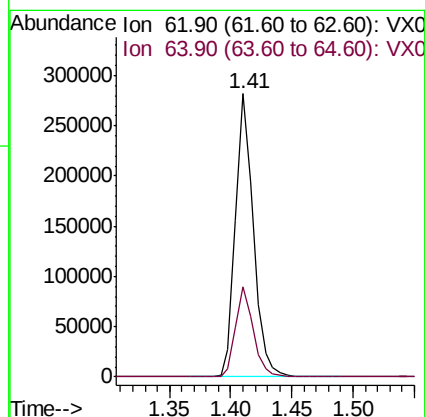
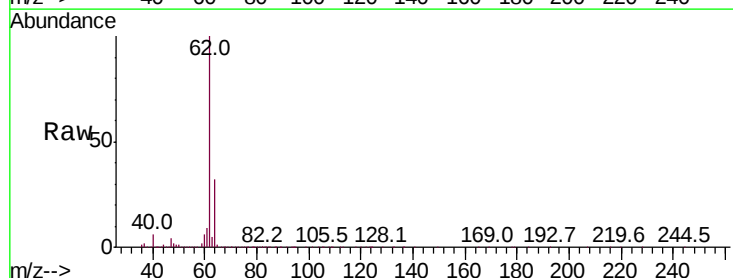
Acq: 19 Mar 2019 13:16

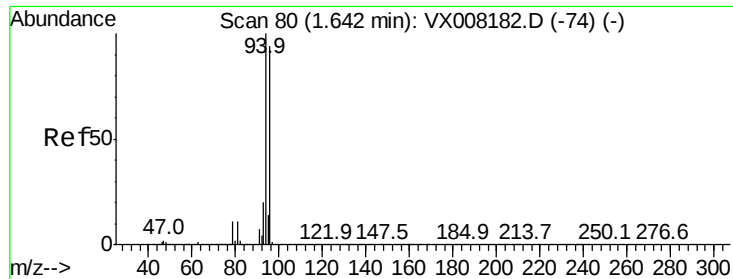
Tgt Ion: 62 Resp: 283978

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 52.282 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 248764

Ion Ratio Lower Upper

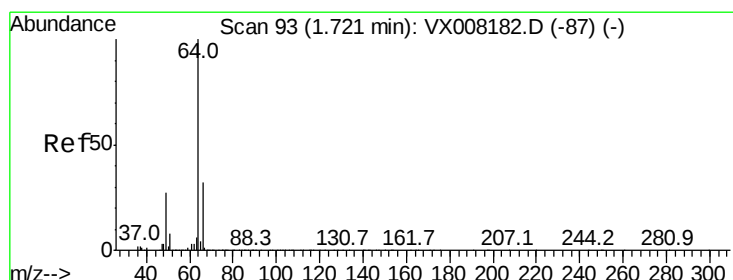
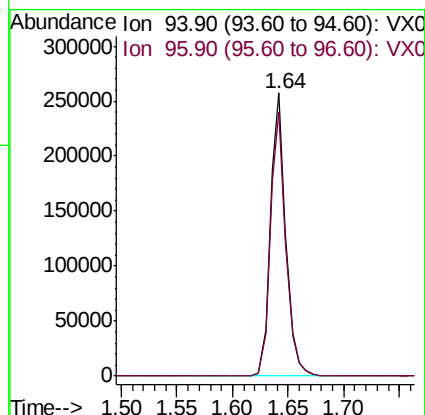
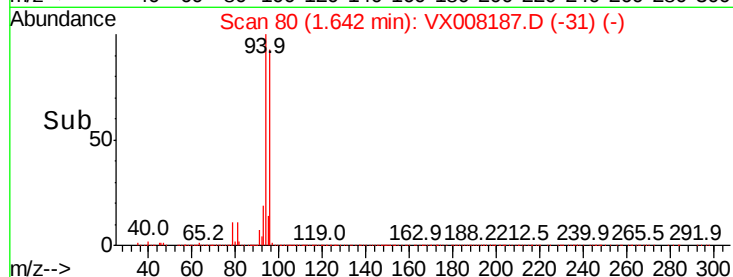
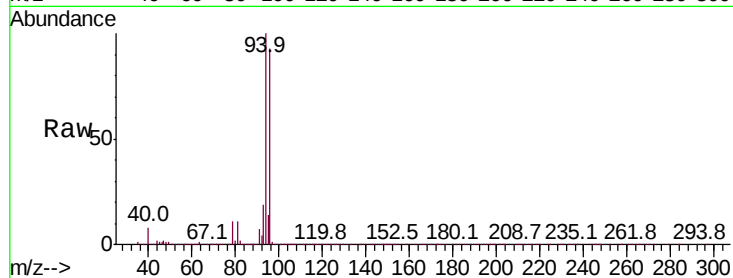
94 100

96 93.1 75.5 113.3

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#6

Chloroethane

Concen: 48.922 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX008187.D

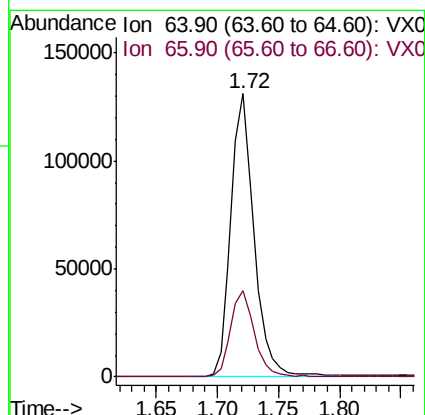
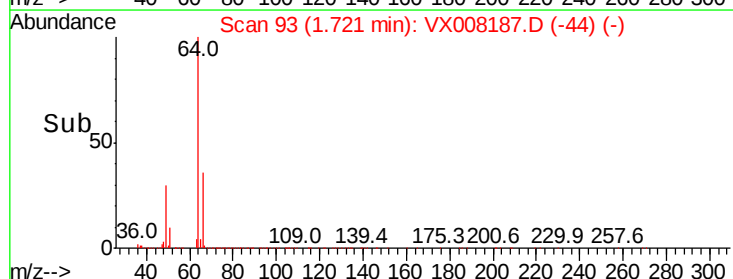
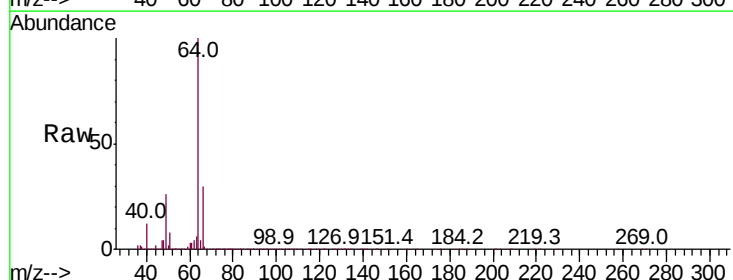
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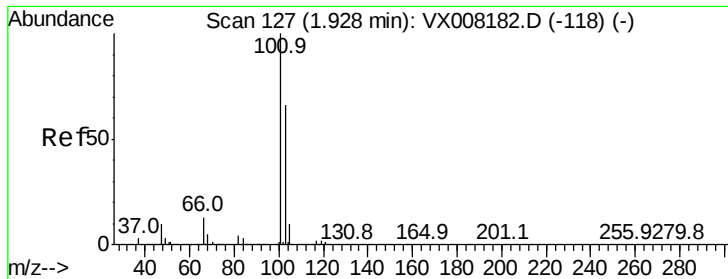
Tgt Ion: 64 Resp: 171339

Ion Ratio Lower Upper

64 100

66 30.4 25.2 37.8





#7

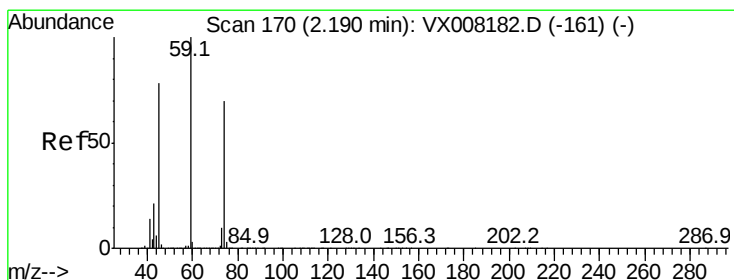
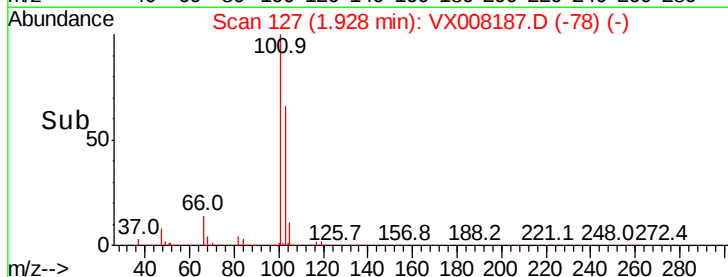
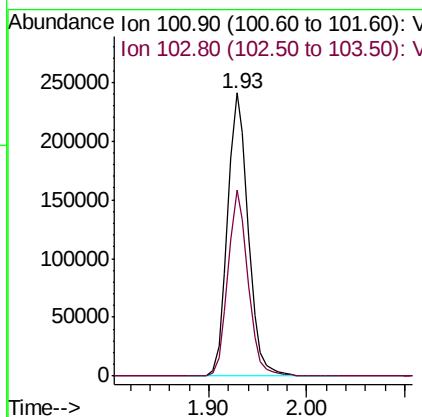
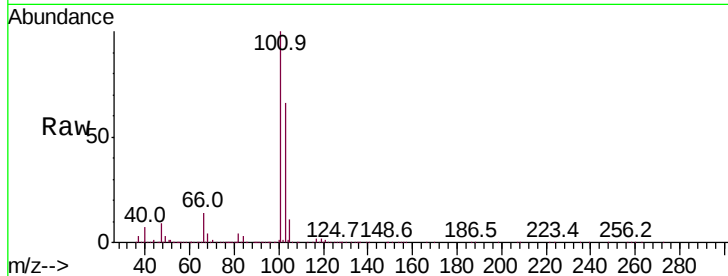
Trichlorofluoromethane
Concen: 49.703 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.4	75.6

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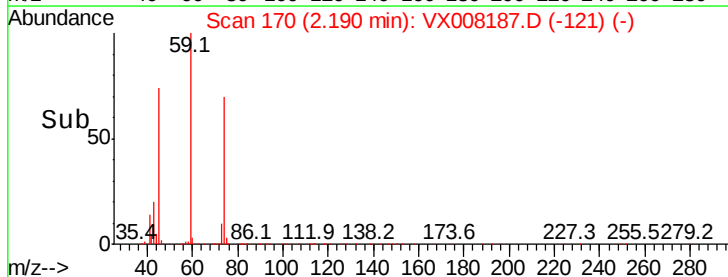
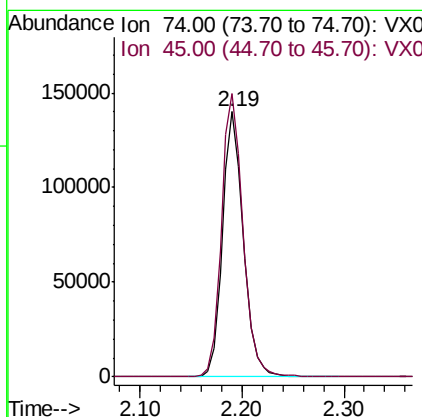
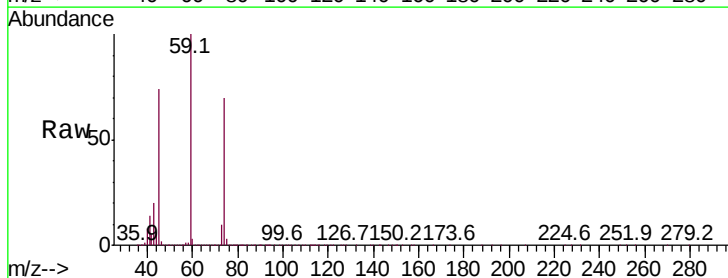
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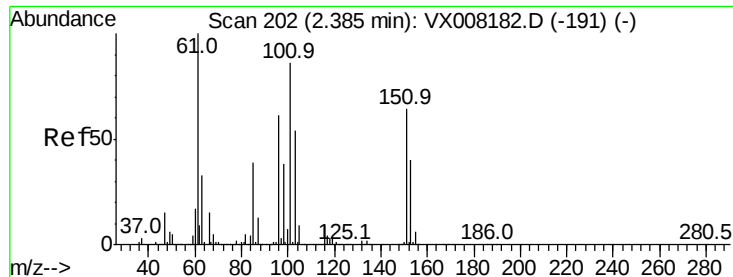


#8

Diethyl Ether
Concen: 54.164 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.8	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.173 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

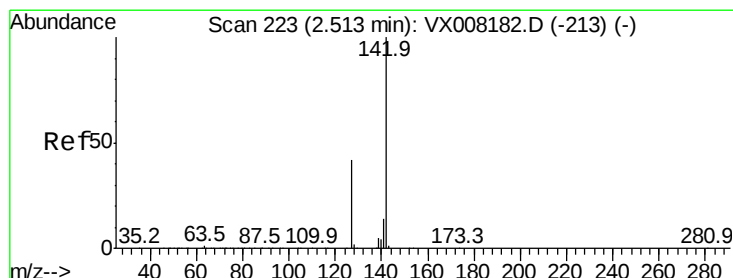
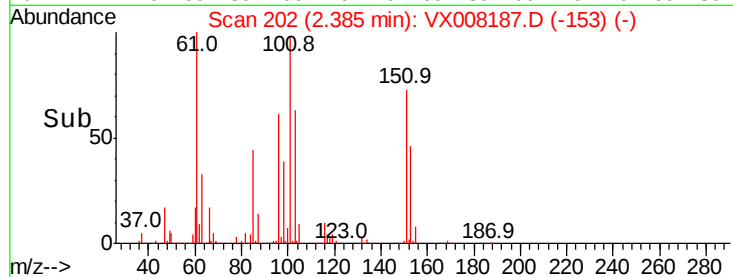
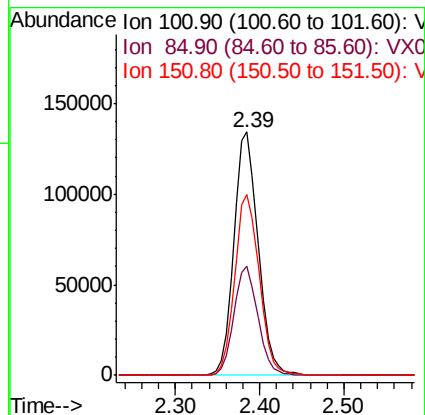
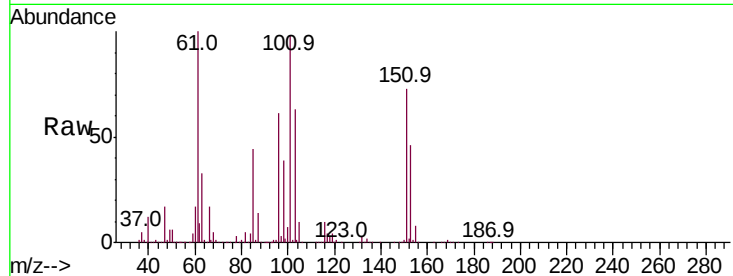
ClientSampleId :

ICVVX031919

Tot Ion:	101	Resp:	261131
Ion Ratio	Lower	Upper	
101	100		
85	44.4	33.8	50.6
151	75.2	69.1	103.7

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#10

Methyl Iodide

Concen: 54.139 ug/l

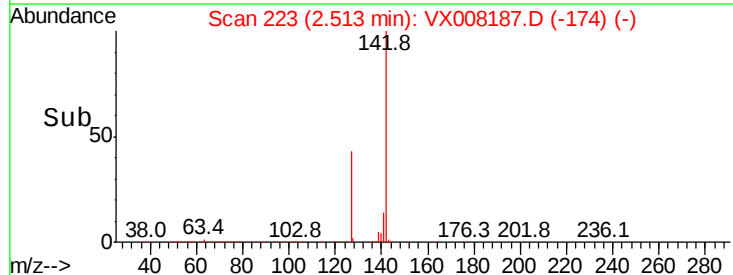
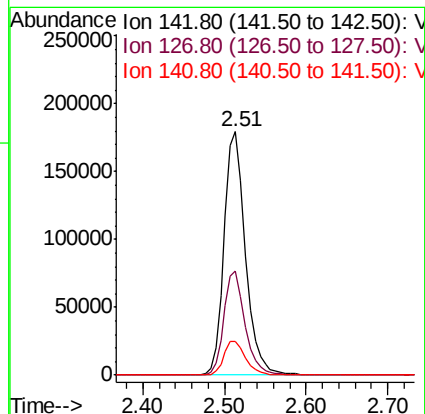
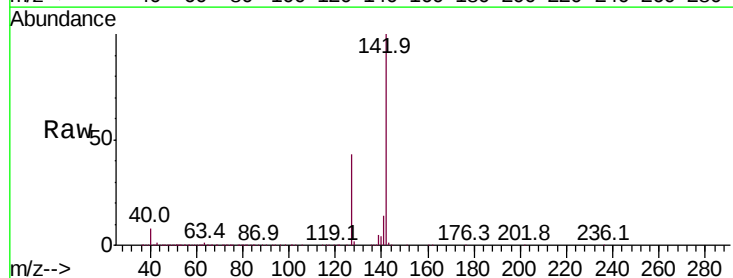
RT: 2.51 min Scan# 223

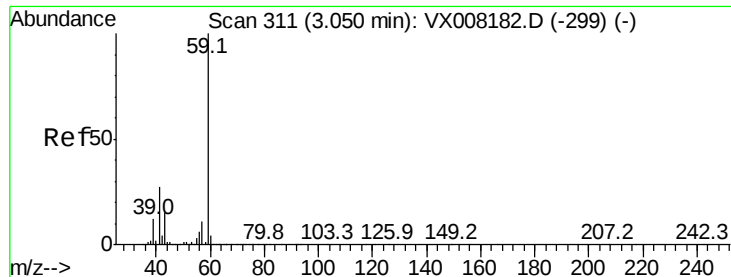
Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Tgt Ion:	142	Resp:	326259
Ion Ratio	Lower	Upper	
142	100		
127	42.4	32.1	48.1
141	14.3	11.4	17.2





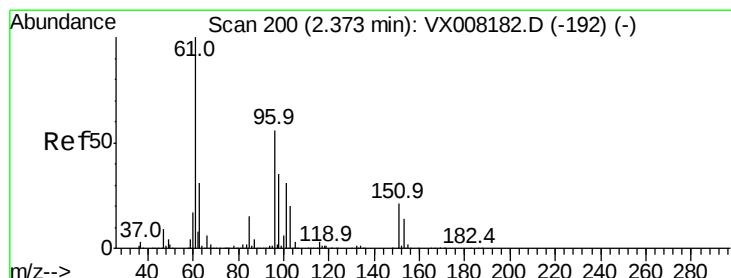
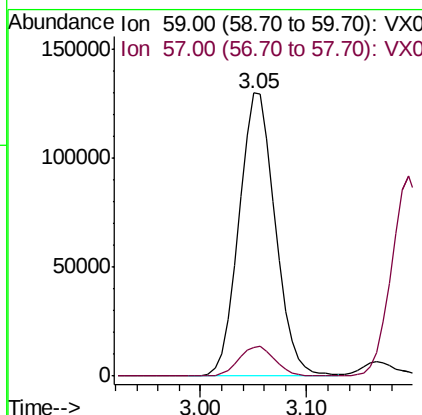
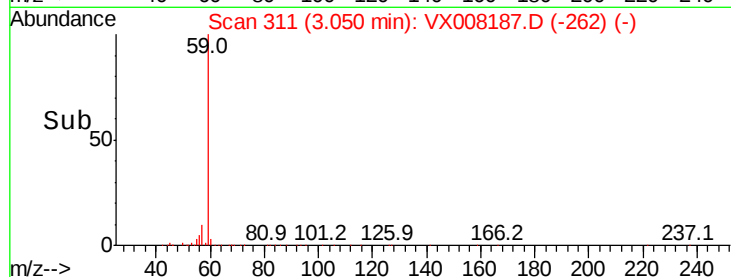
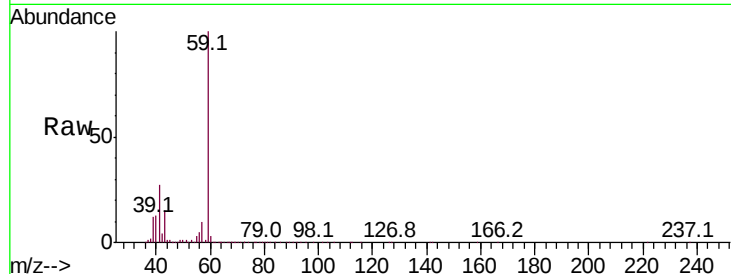
#11
Tert butyl alcohol
Concen: 262.122 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Instrument :
MSVOA_X
ClientSampled :
ICVVX031919

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

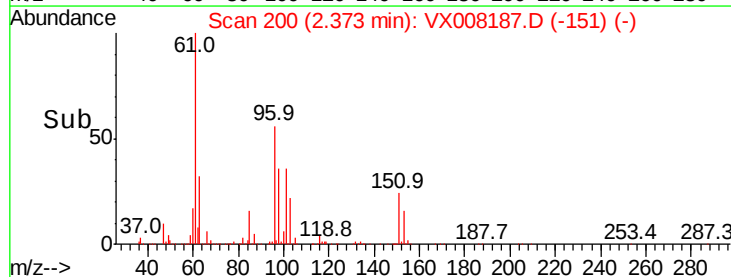
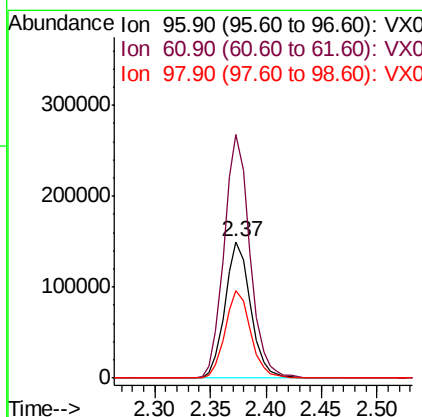
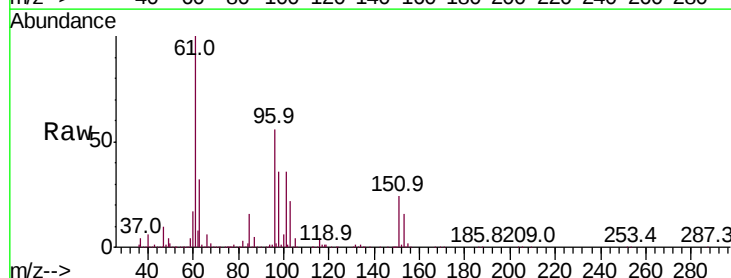
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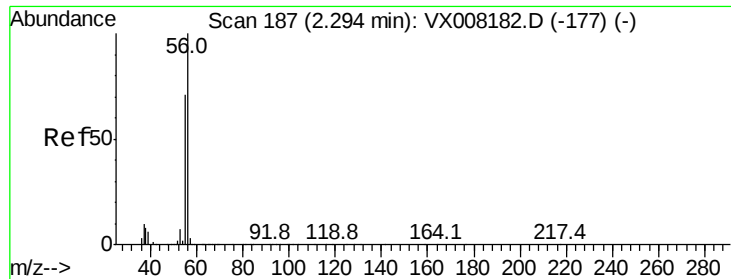
MMDadoda
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#12
1,1-Dichloroethene
Concen: 53.653 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.6	129.8	194.6
98	64.5	51.0	76.6





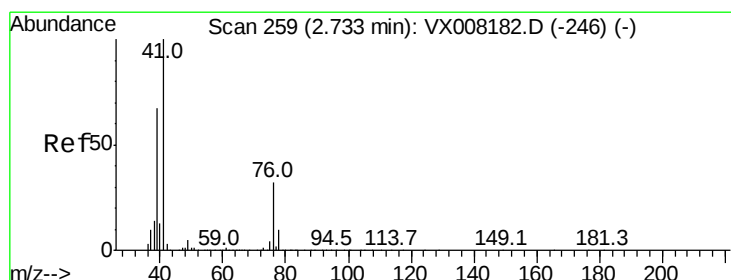
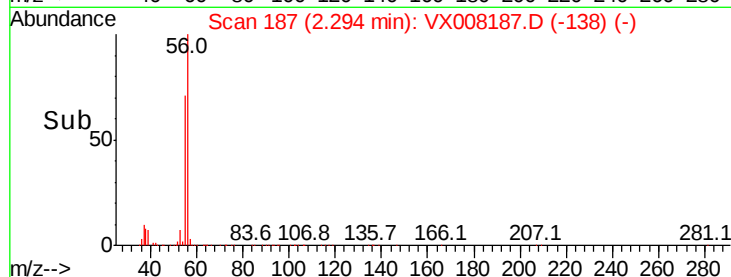
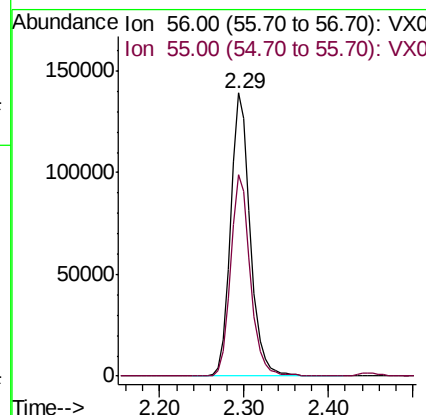
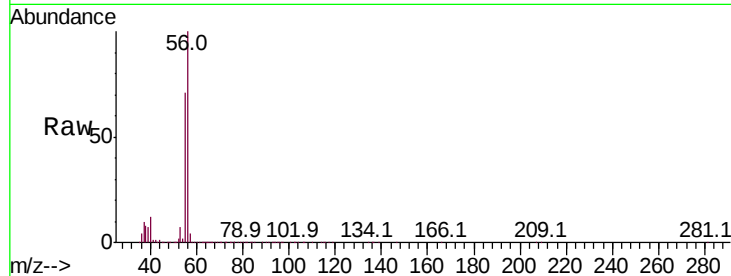
#13
Acrolein
Concen: 265.164 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031919

Tot Ion	56	Ratio	100	Resp	221153
Ion	56	100		Lower	Upper
	55	71.3		57.8	86.6

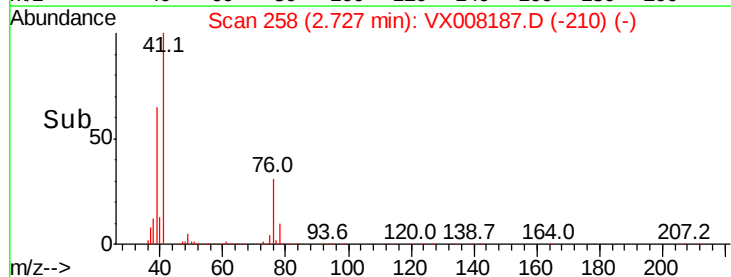
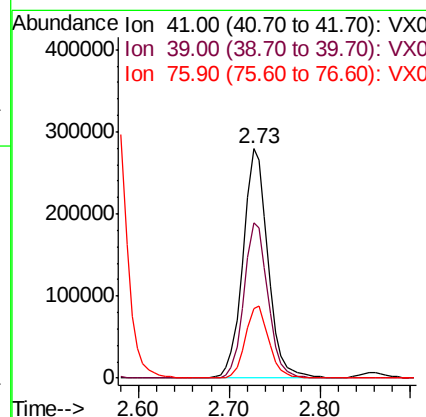
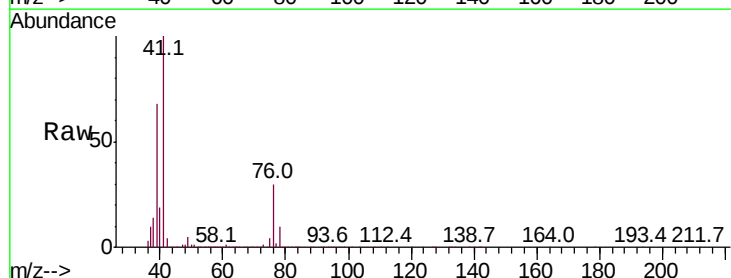
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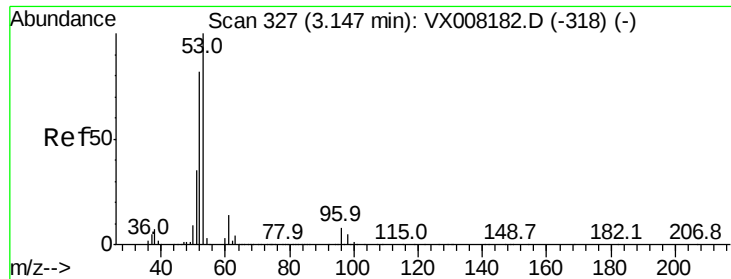
MMDadoda
3/20/2019 10:28:27 AM



#14
Allyl chloride
Concen: 54.748 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.01 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Tgt Ion	41	Ratio	100	Resp	532523
Ion	41	100		Lower	Upper
	39	65.6		46.1	69.1
	76	29.6		24.0	36.0





#15

Acrylonitrile

Concen: 263.956 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

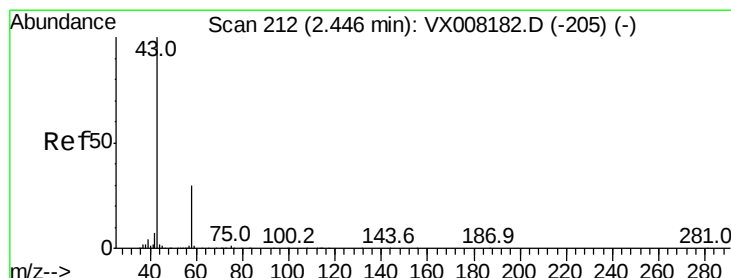
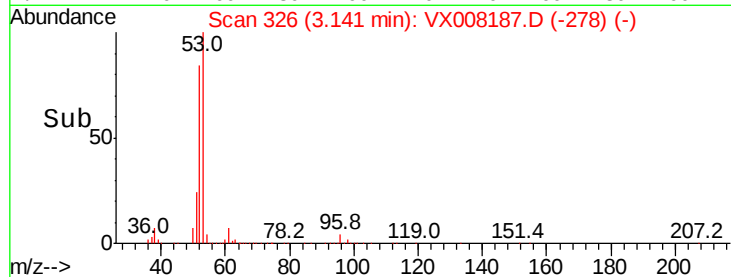
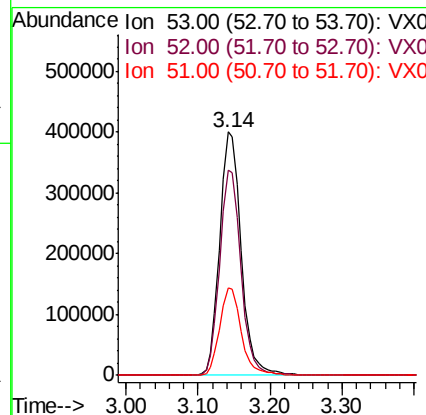
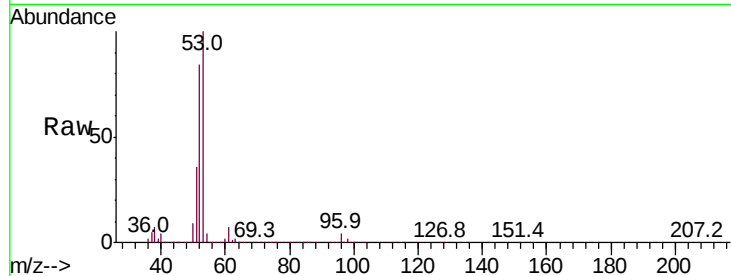
ClientSampleId :

ICVVX031919

Tot Ion:	53	Resp:	828954
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.0	99.0
51	36.1	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 270.938 ug/l

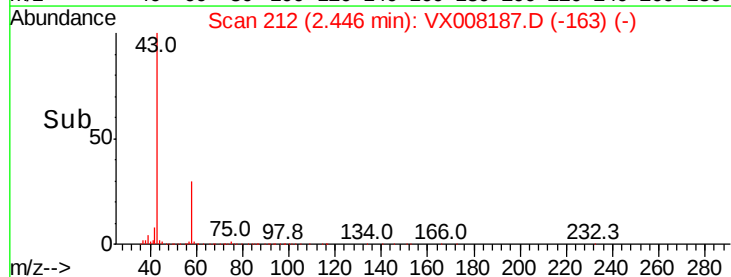
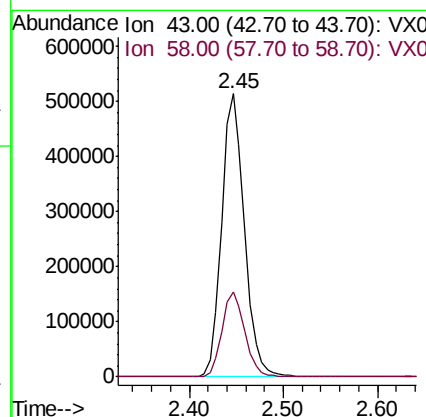
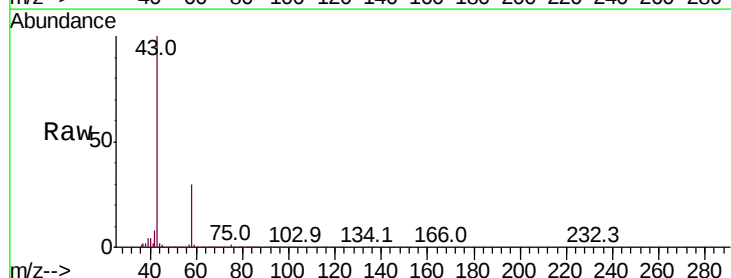
RT: 2.45 min Scan# 212

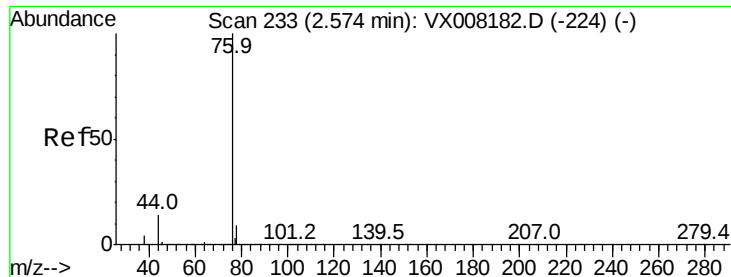
Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Tgt Ion:	43	Resp:	852283
Ion Ratio	Lower	Upper	
43	100		
58	30.2	25.5	38.3





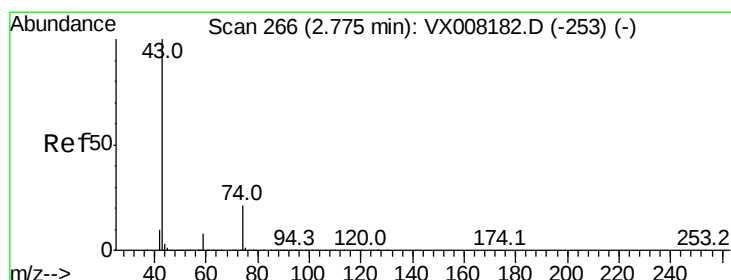
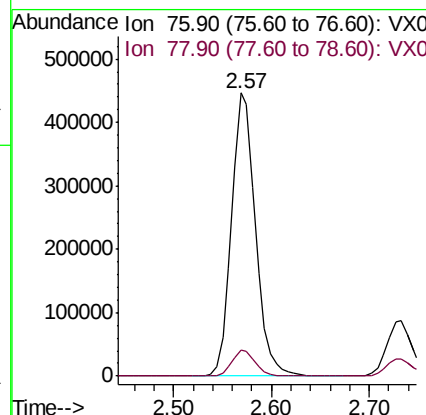
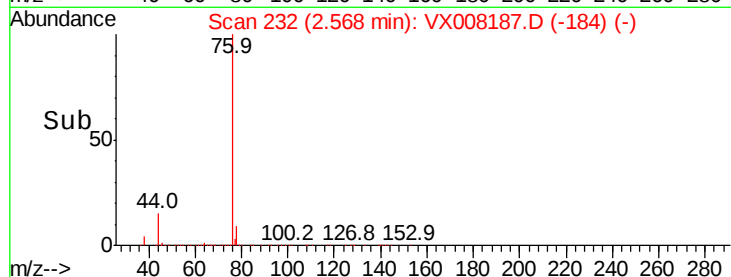
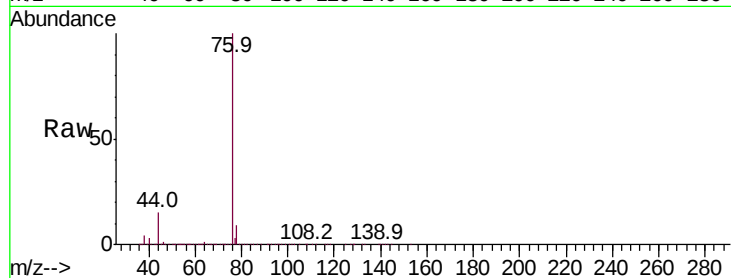
#17
Carbon Disulfide
Concen: 52.001 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031919

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

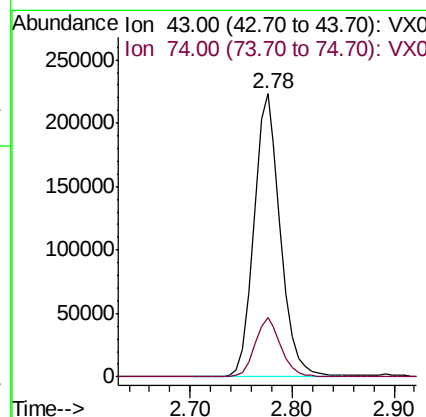
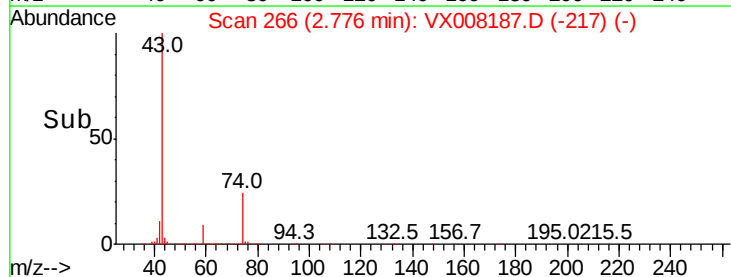
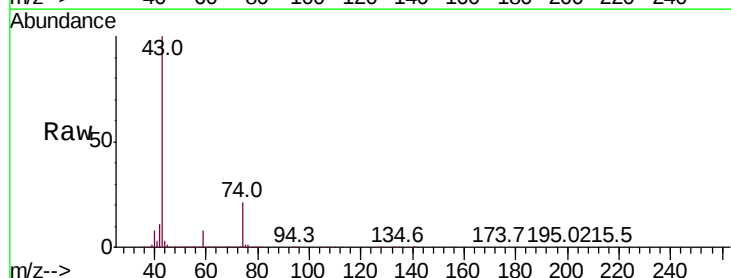
Manual Integrations
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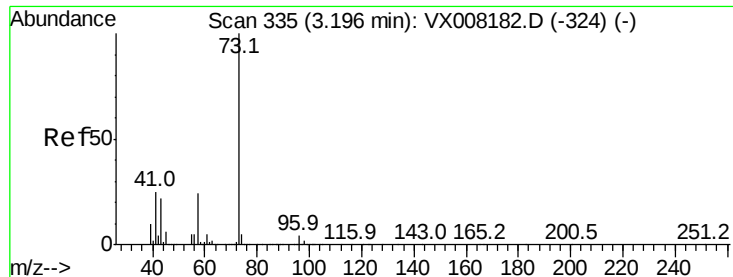
MMDadoda
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#18
Methyl Acetate
Concen: 54.798 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.8	26.6





#19

Methyl tert-butyl Ether

Concen: 54.733 ug/l

RT: 3.20 min Scan# 335

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

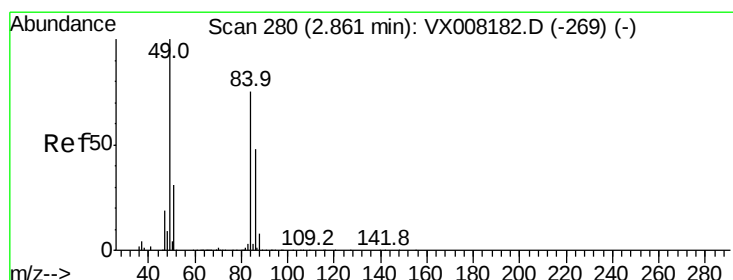
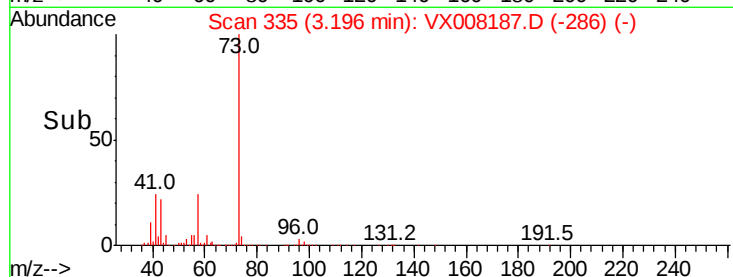
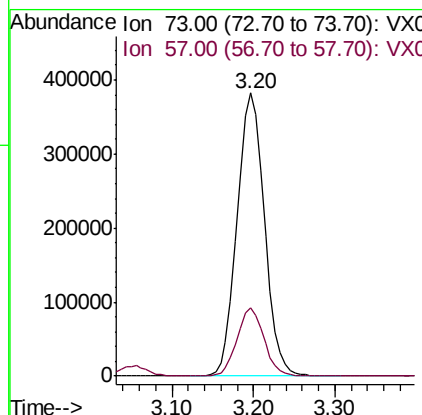
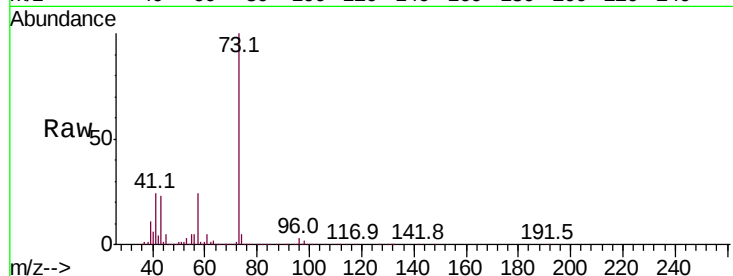
Instrument :
MSVOA_X
ClientSampleId :
ICVVX031919

Tot Ion: 73 Resp: 884271

Ion	Ratio	Lower	Upper
73	100		
57	24.0	18.2	27.4

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#20

Methylene Chloride

Concen: 51.941 ug/l

RT: 2.86 min Scan# 280

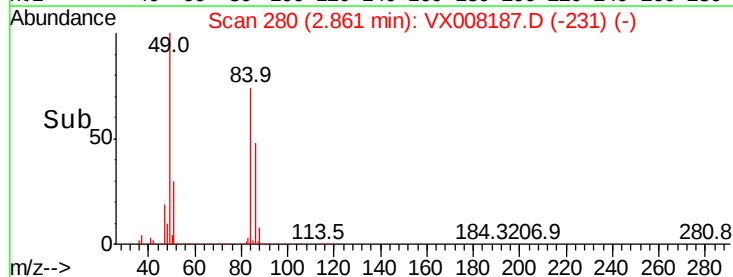
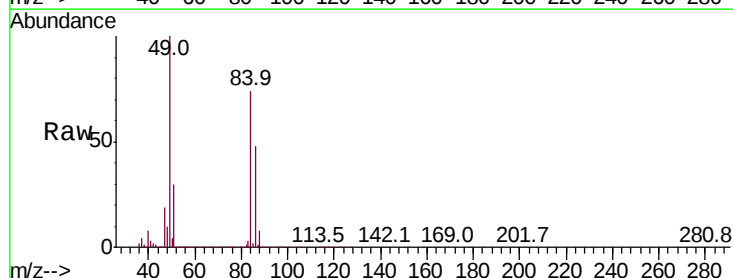
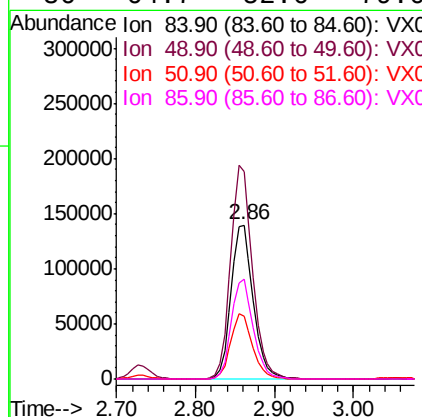
Delta R.T. 0.00 min

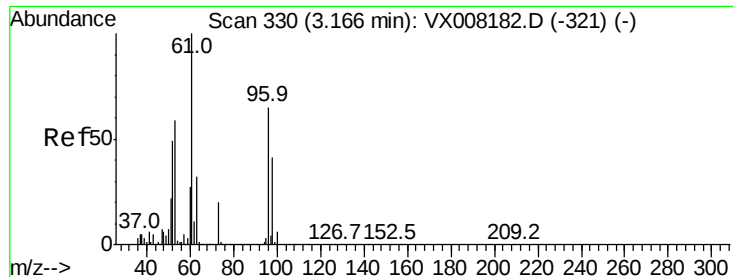
Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Tgt Ion: 84 Resp: 272453

Ion	Ratio	Lower	Upper
84	100		
49	134.4	99.3	148.9
51	40.6	31.3	46.9
86	64.7	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 53.034 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

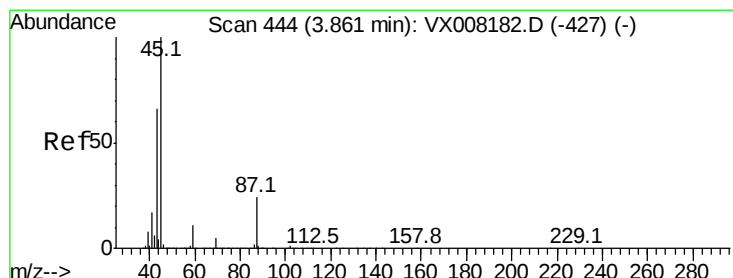
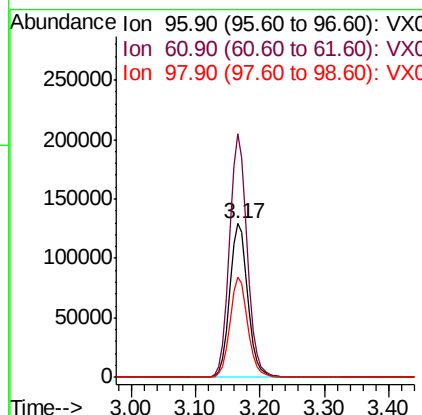
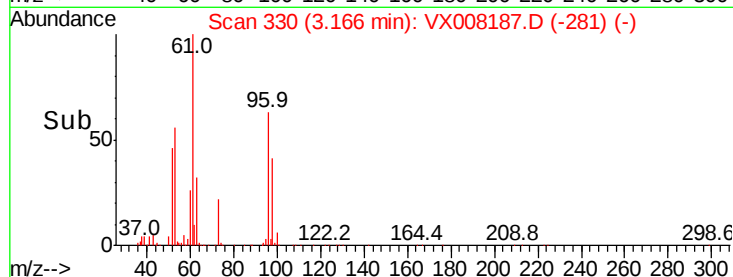
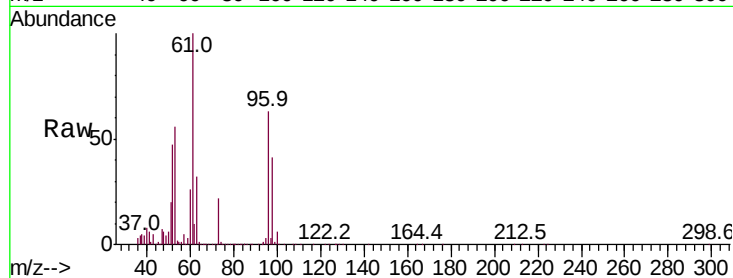
ClientSampleId :

ICVVX031919

Tot Ion:	96	Resp:	256004
Ion	Ratio	Lower	Upper
96	100		
61	158.5	114.4	171.6
98	64.8	51.1	76.7

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#22

Diisopropyl ether

Concen: 54.521 ug/l

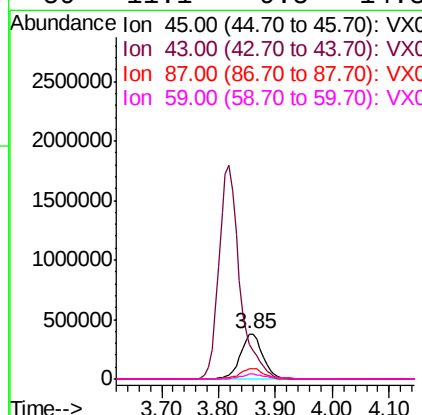
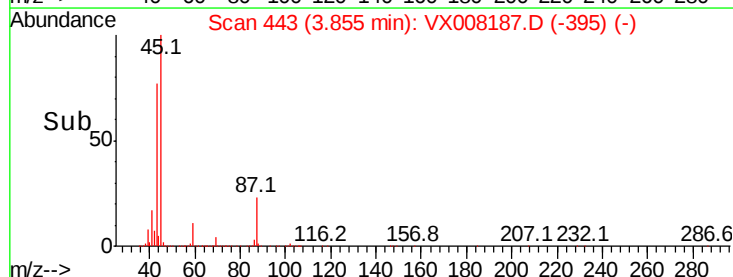
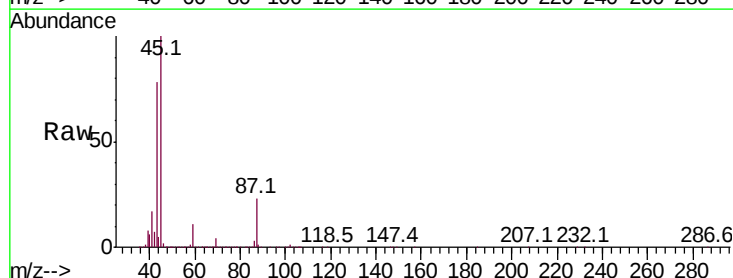
RT: 3.85 min Scan# 443

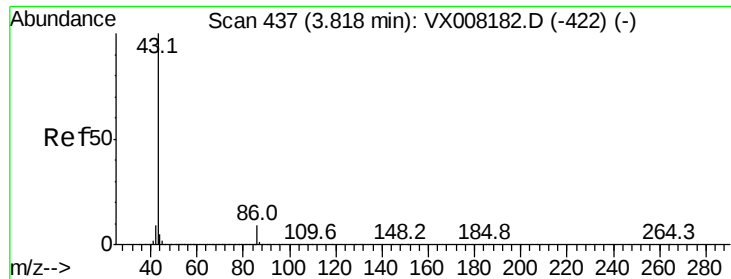
Delta R.T. -0.01 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Tgt Ion:	45	Resp:	1038643
Ion	Ratio	Lower	Upper
45	100		
43	77.5	45.3	67.9#
87	23.2	21.4	32.0
59	11.1	9.5	14.3





#23

Vinyl Acetate

Concen: 280.424 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031919

Tot Ion: 43 Resp: 4580074

Ion Ratio Lower Upper

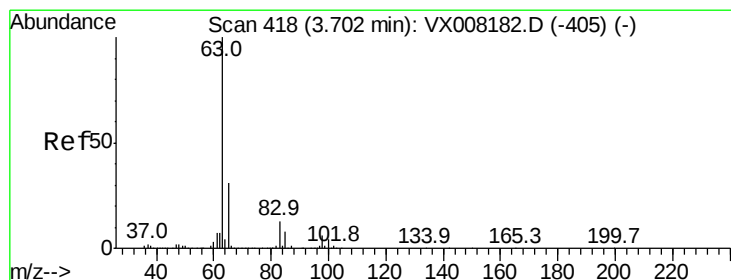
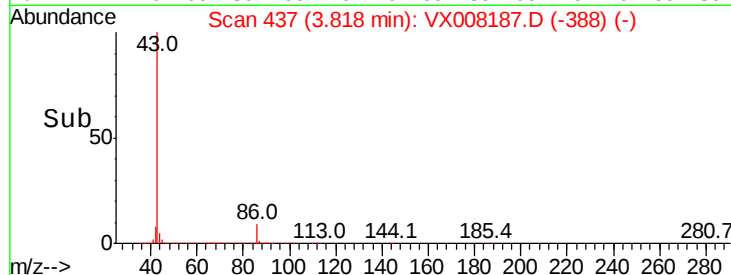
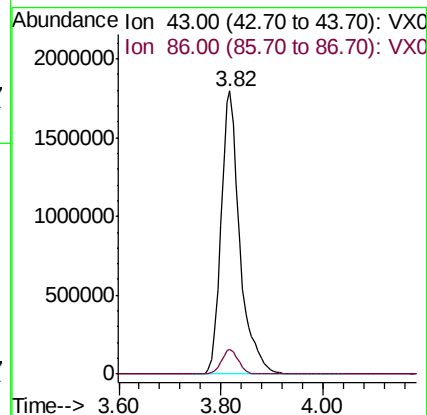
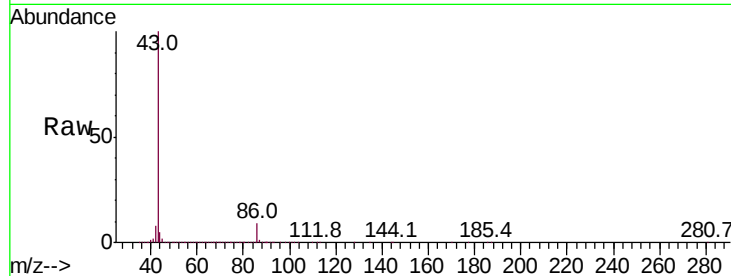
43 100

86 9.0 7.9 11.9

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#24

1,1-Dichloroethane

Concen: 53.517 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.01 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

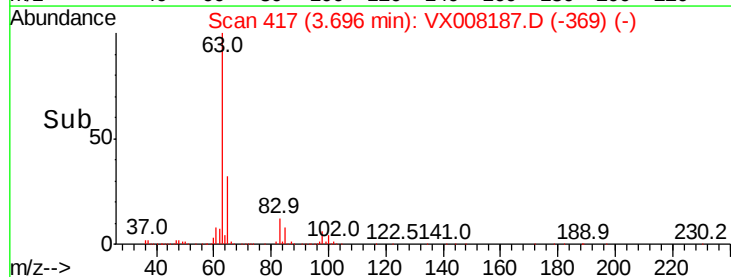
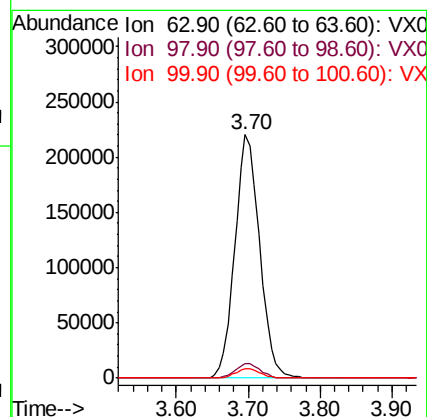
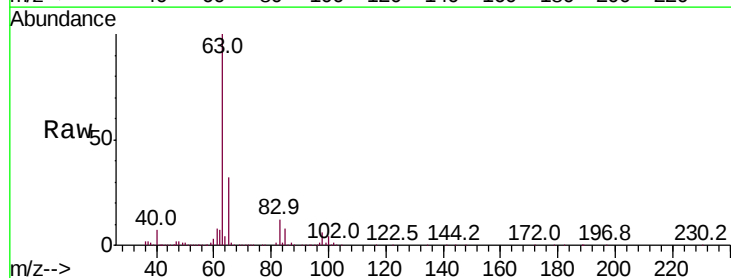
Tgt Ion: 63 Resp: 524355

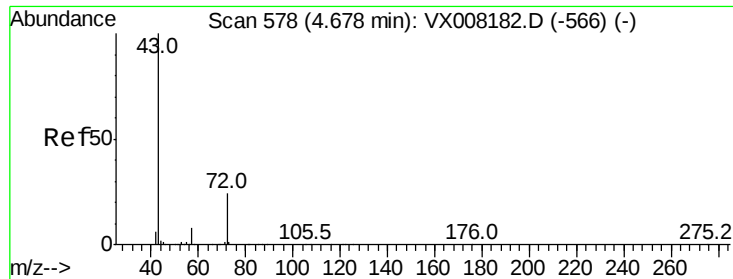
Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.8

100 3.8 2.3 6.8





#25

2-Butanone

Concen: 272.152 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031919

Tot Ion: 43 Resp: 1263723

Ion Ratio Lower Upper

43 100

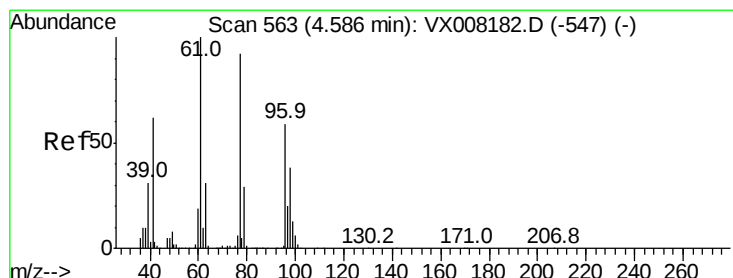
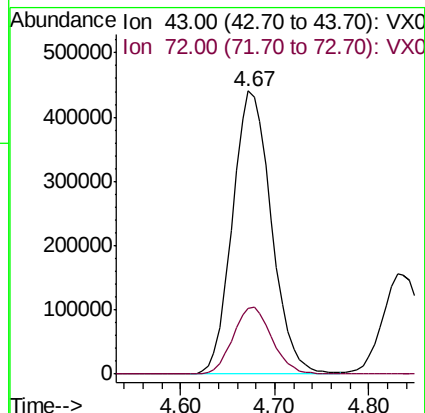
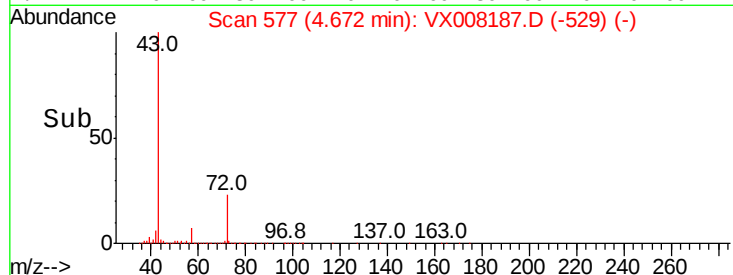
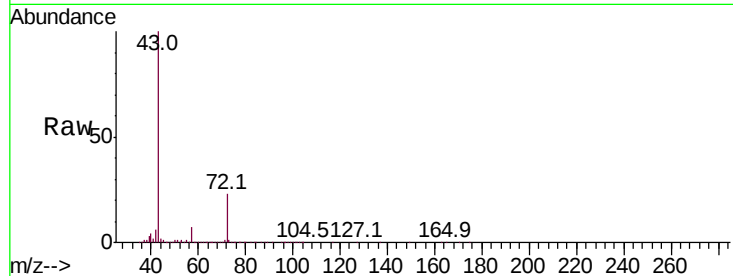
72 23.1 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 56.127 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008187.D

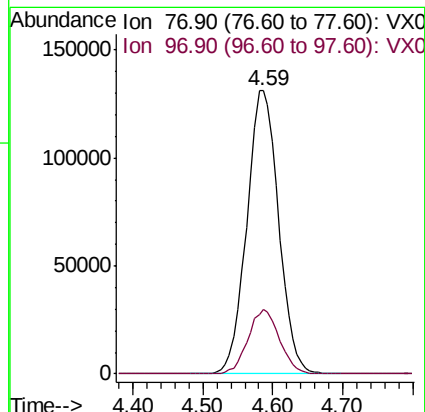
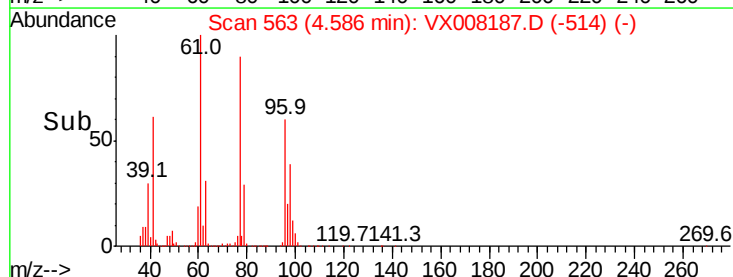
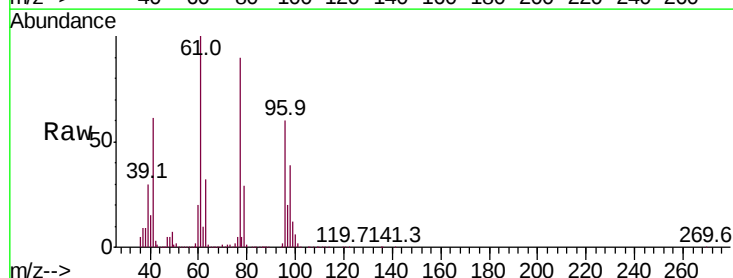
Acq: 19 Mar 2019 13:16

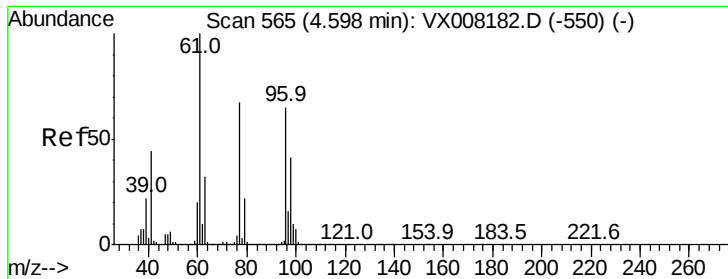
Tgt Ion: 77 Resp: 414276

Ion Ratio Lower Upper

77 100

97 22.4 12.2 36.6





#27

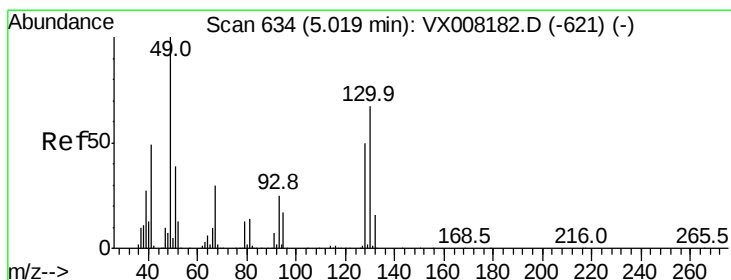
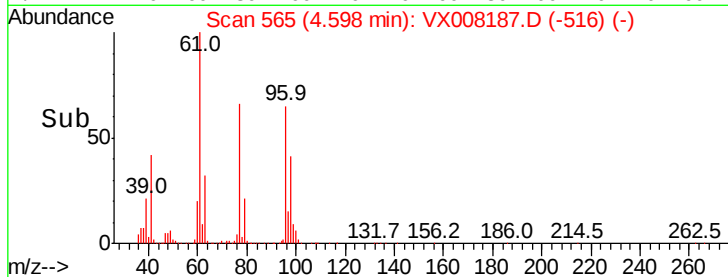
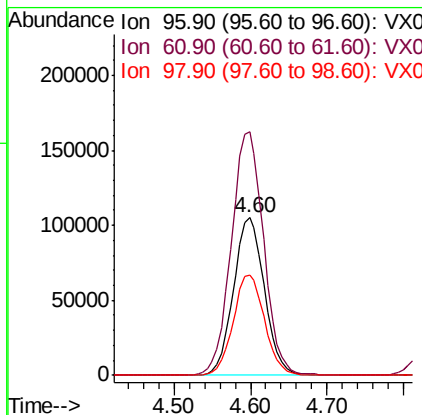
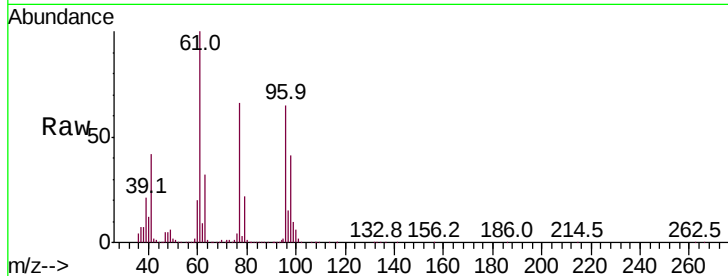
cis-1,2-Dichloroethene
Concen: 53.498 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031919

Tot Ion	Ratio	Resp	Lower	Upper
96	100	294394		
61	161.1	0.0	288.0	
98	64.7	0.0	129.0	

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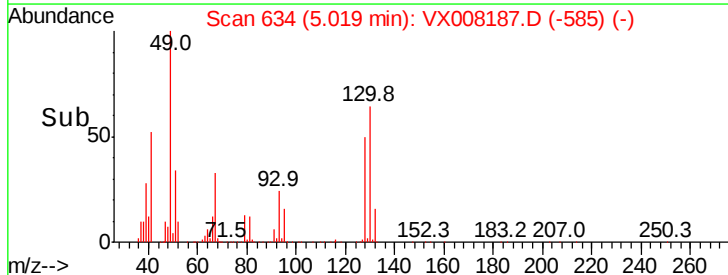
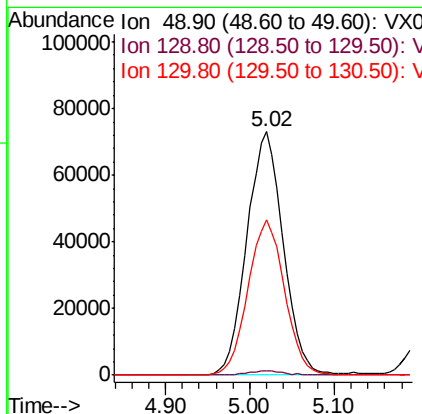
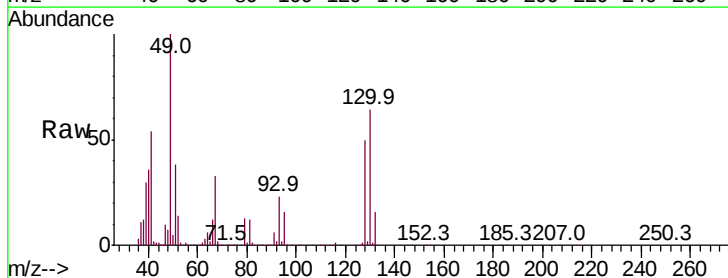
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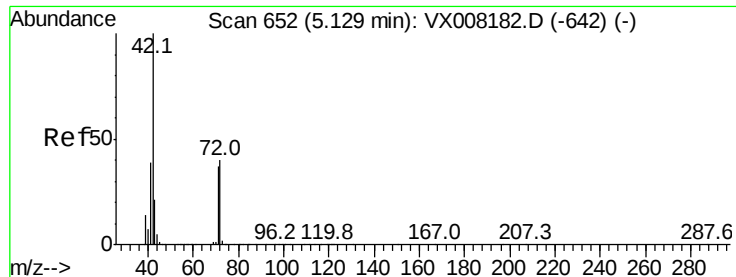


#28

Bromochloromethane
Concen: 48.770 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	214570		
129	1.9	0.0	4.0	
130	64.2	65.0	97.4#	





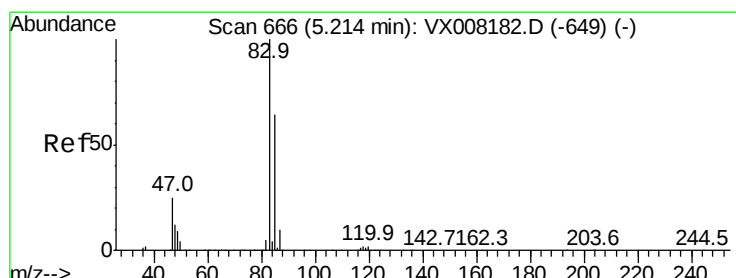
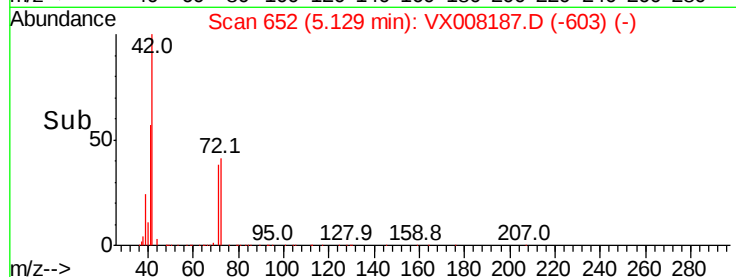
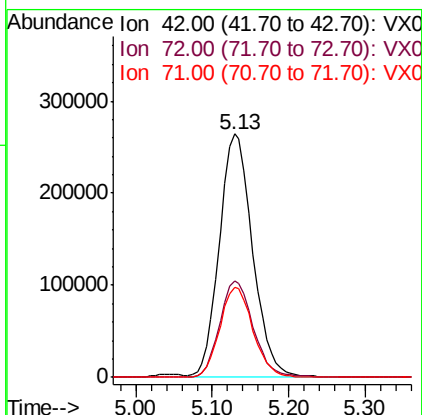
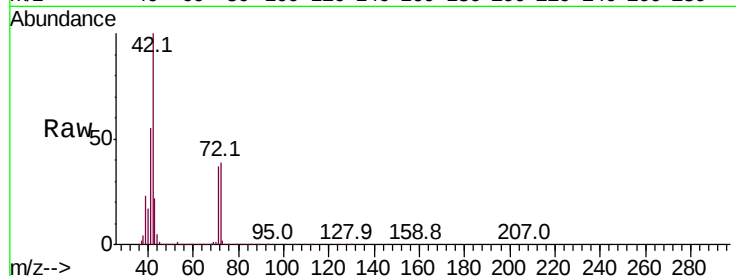
#29
Tetrahydrofuran
Concen: 272.641 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031919

Tot Ion	Ratio	Resp	Lower	Upper
42	100	791413		
72	40.2		33.8	50.6
71	37.4		31.5	47.3

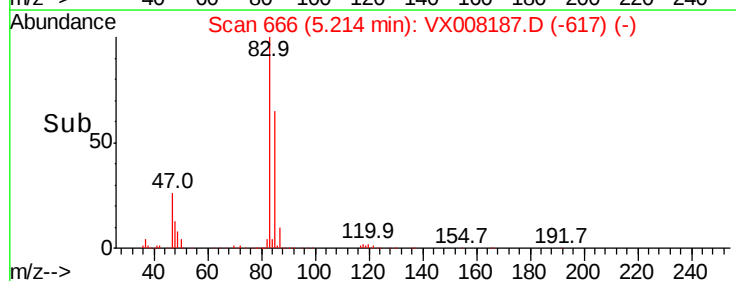
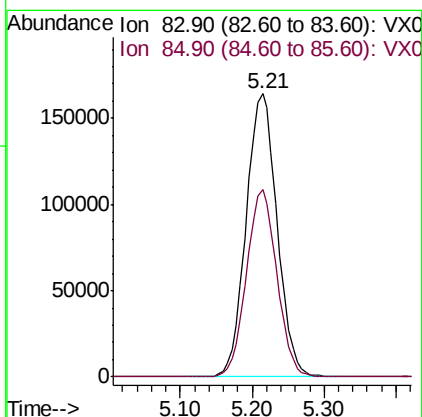
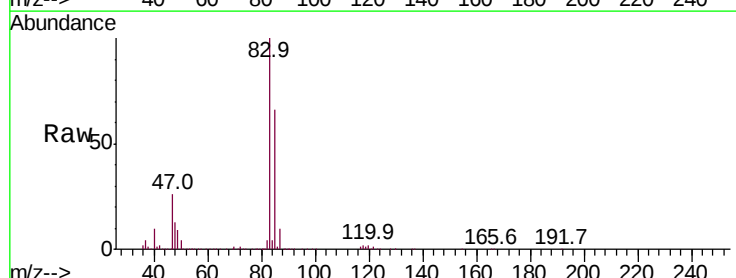
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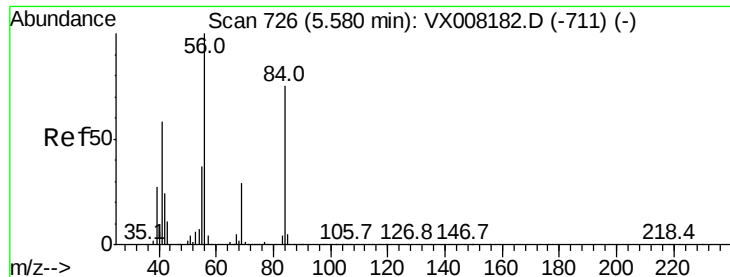
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#30
Chloroform
Concen: 53.556 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	490845		
85	66.1		51.8	77.6





#31

Cvclohexane

Concen: 56.964 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

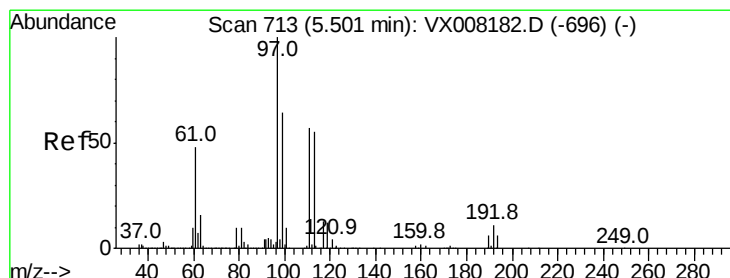
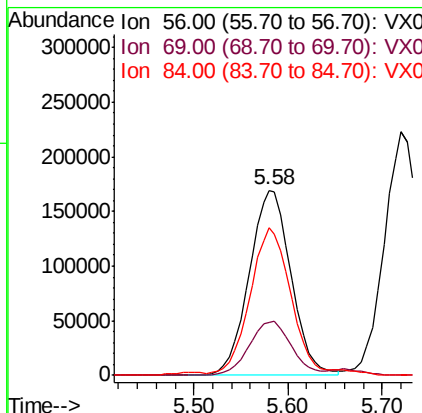
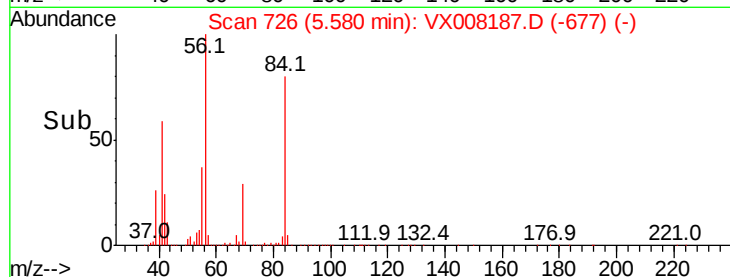
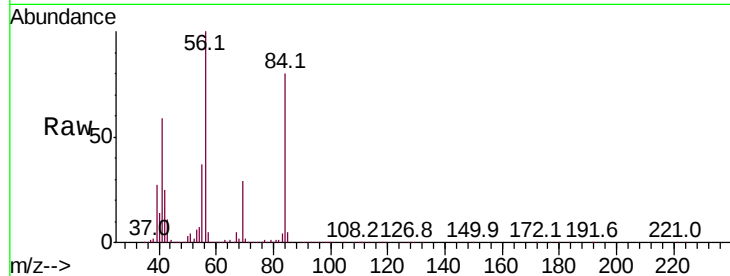
ClientSampleId :

ICVVX031919

Tot Ion:	56	Resp:	524107
Ion Ratio	Lower	Upper	
56	100		
69	28.9	24.0	36.0
84	78.3	65.3	97.9

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#32

1,1,1-Trichloroethane

Concen: 54.749 ug/l

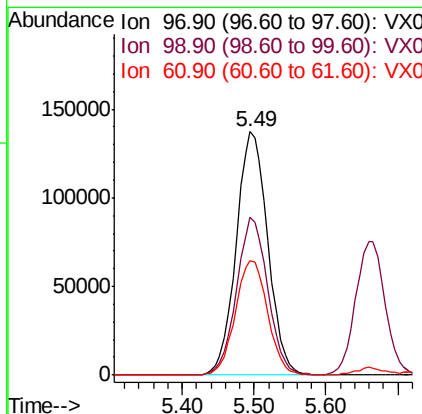
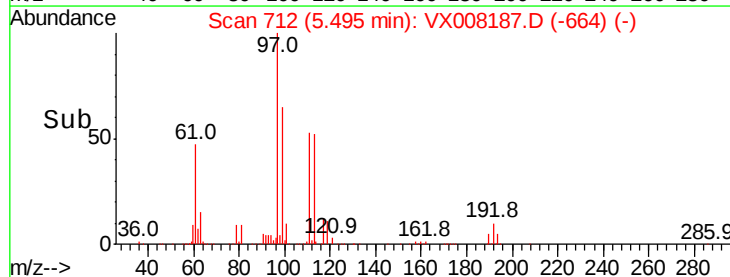
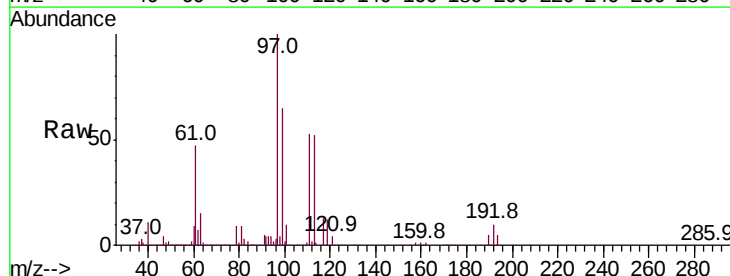
RT: 5.49 min Scan# 712

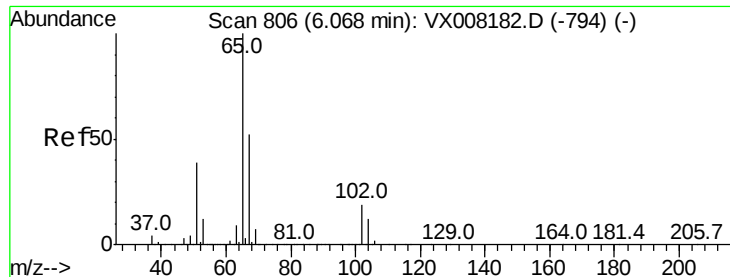
Delta R.T. -0.01 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Tgt Ion:	97	Resp:	417413
Ion Ratio	Lower	Upper	
97	100		
99	63.9	52.2	78.2
61	48.4	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 50.260 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031919

Tot Ion: 65 Resp: 278760

Ion Ratio Lower Upper

65 100

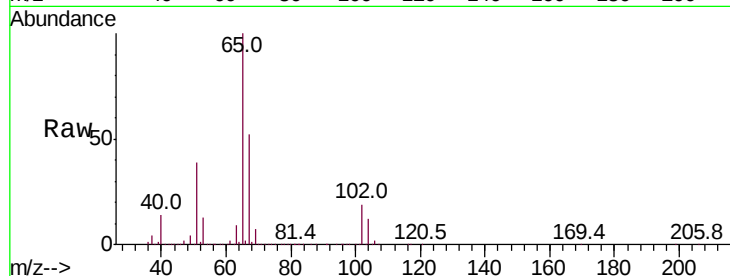
67 53.0 0.0 110.0

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

120000

100000

80000

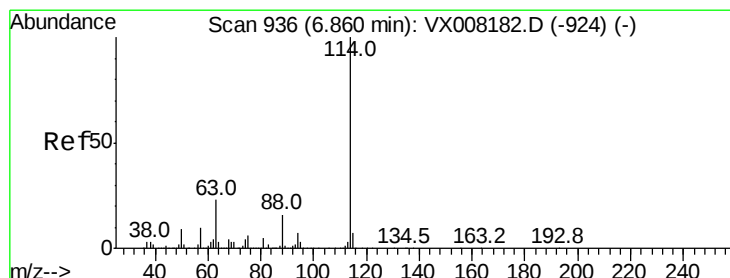
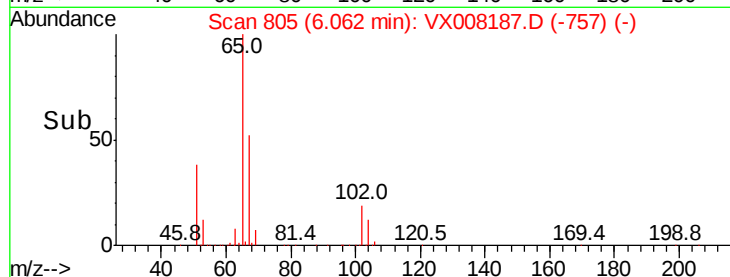
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

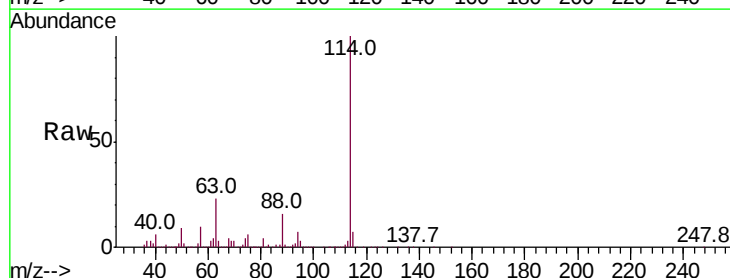
Tgt Ion:114 Resp: 597979

Ion Ratio Lower Upper

114 100

63 23.0 0.0 39.8

88 16.0 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

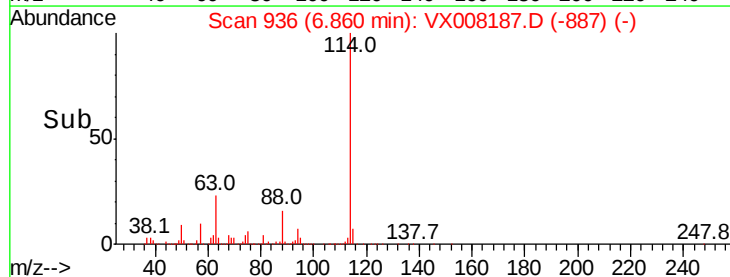
300000

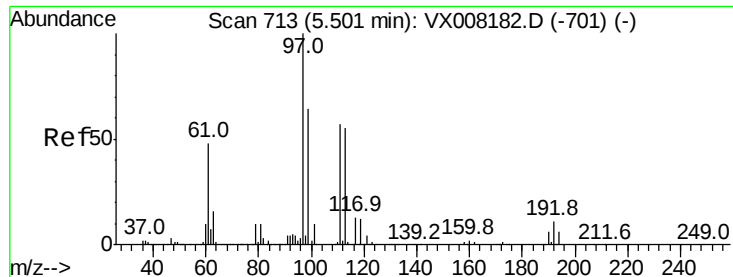
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 52.564 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

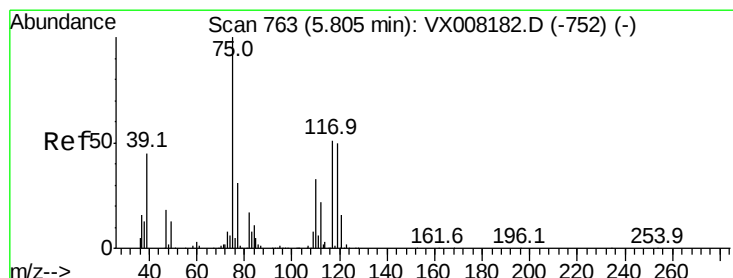
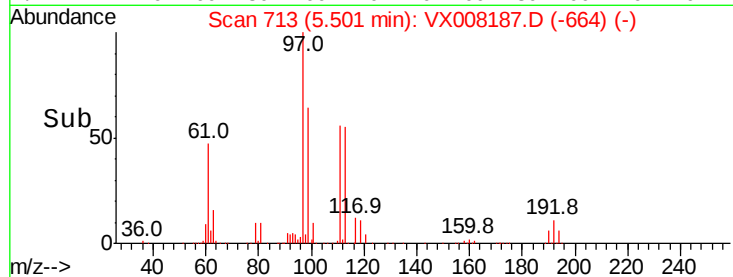
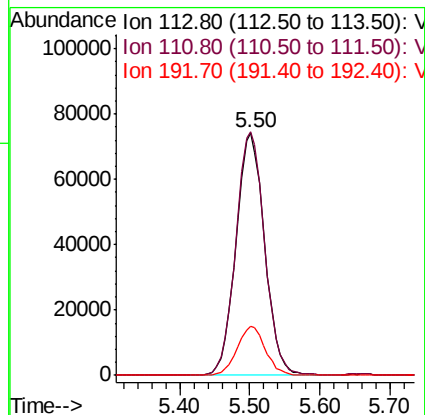
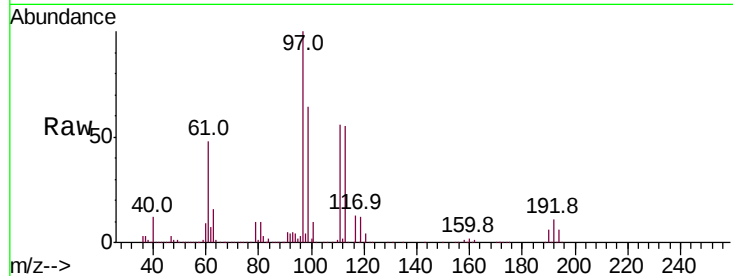
ClientSampleId :

ICVVX031919

Tot Ion:	113	Resp:	210416
Ion Ratio	Lower	Upper	
113	100		
111	101.2	81.4	122.0
192	20.1	19.4	29.0

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#36

1,1-Dichloropropene

Concen: 56.679 ug/l

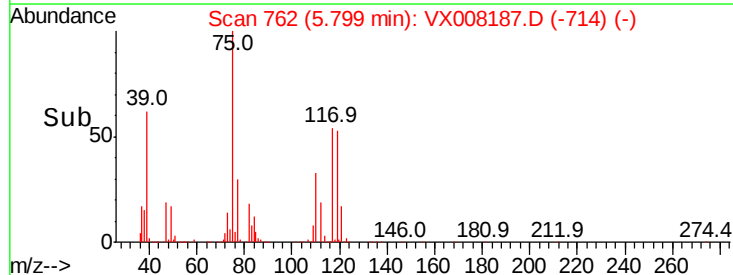
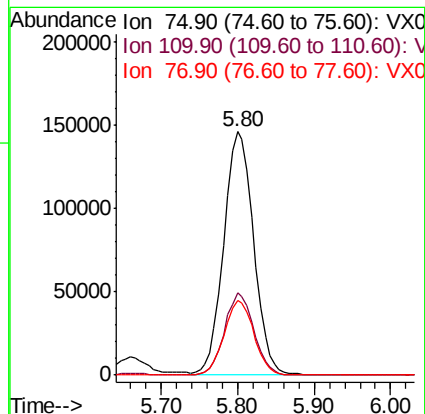
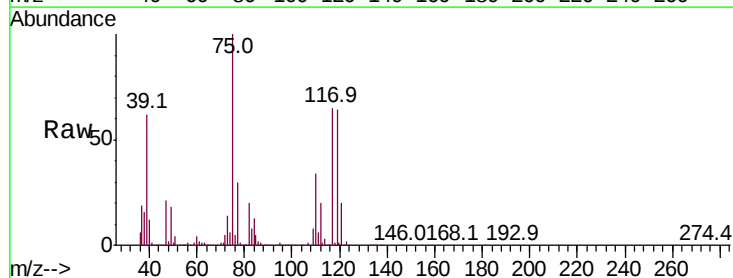
RT: 5.80 min Scan# 762

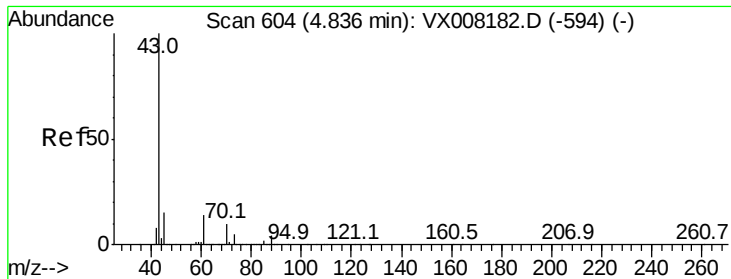
Delta R.T. -0.01 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Tgt Ion:	75	Resp:	394601
Ion Ratio	Lower	Upper	
75	100		
110	33.3	18.4	55.0
77	30.4	25.0	37.4





#37

Ethyl Acetate

Concen: 56.529 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

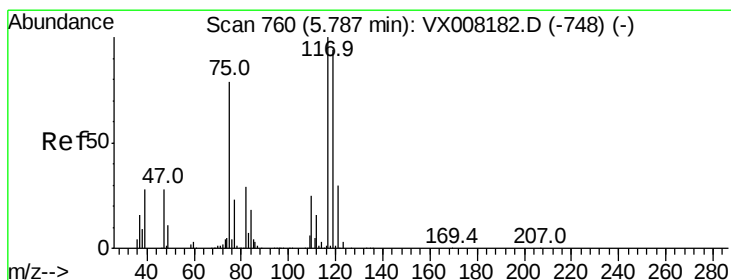
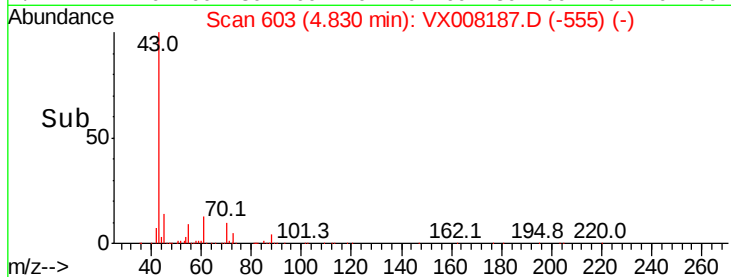
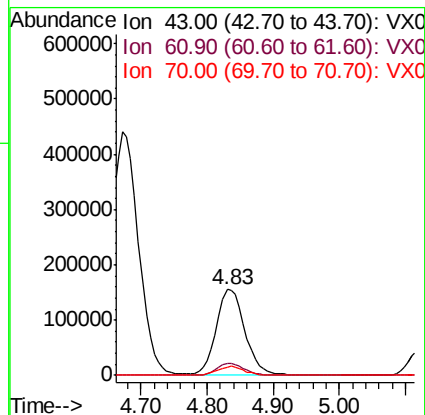
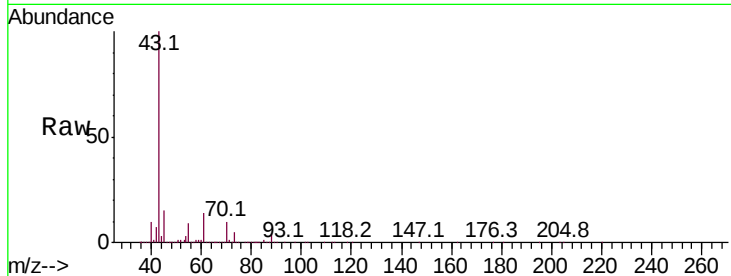
ClientSampleId :

ICVVX031919

Tot Ion:	43	Resp:	465229
Ion Ratio	Lower	Upper	
43	100		
61	13.6	11.3	16.9
70	9.8	8.5	12.7

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#38

Carbon Tetrachloride

Concen: 56.495 ug/l

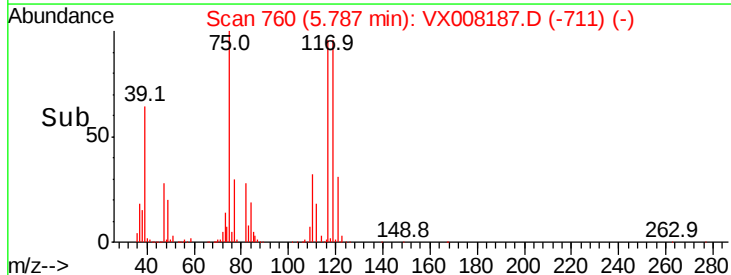
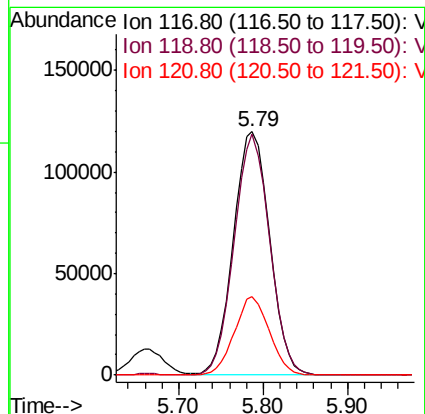
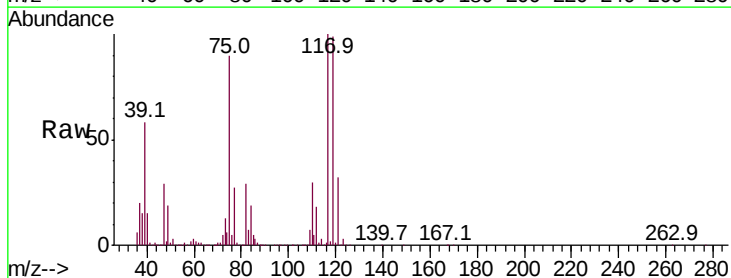
RT: 5.79 min Scan# 760

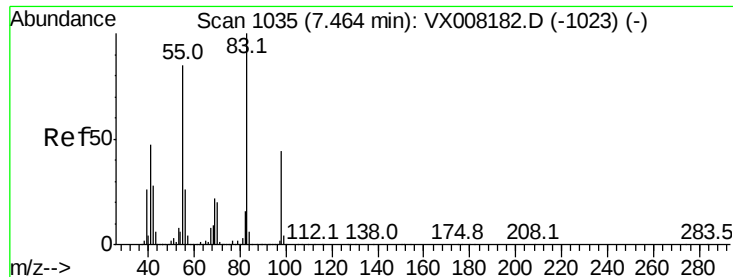
Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Tgt Ion:	117	Resp:	350449
Ion Ratio	Lower	Upper	
117	100		
119	98.9	76.2	114.2
121	32.3	24.6	36.8





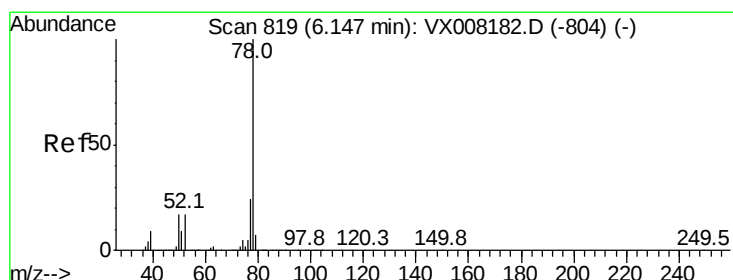
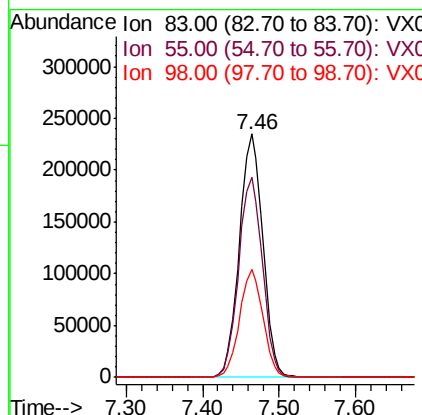
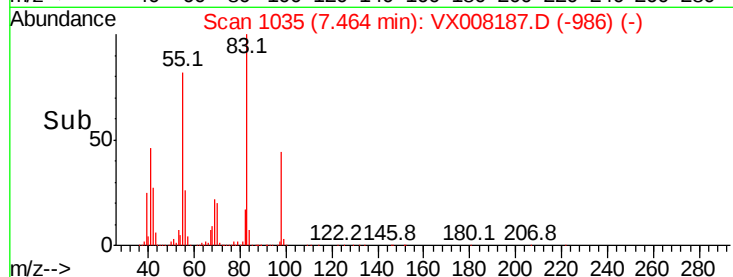
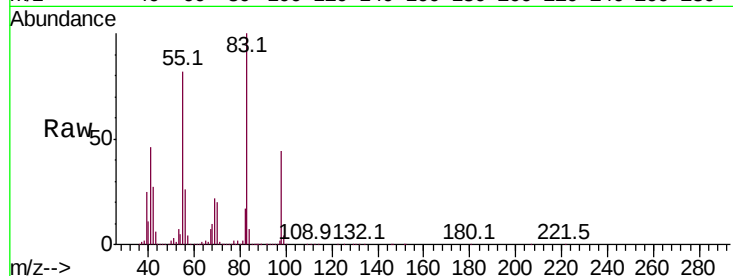
#39
Methvlcvclohexane
Concen: 59.658 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031919

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.0	60.4	90.6
98	44.2	36.5	54.7

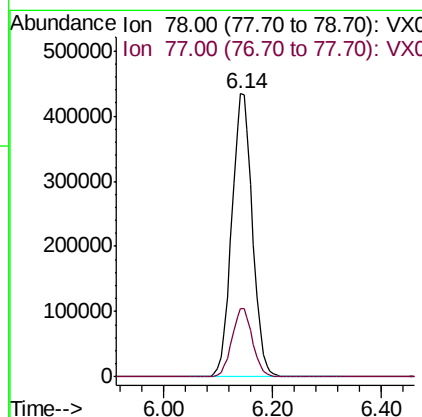
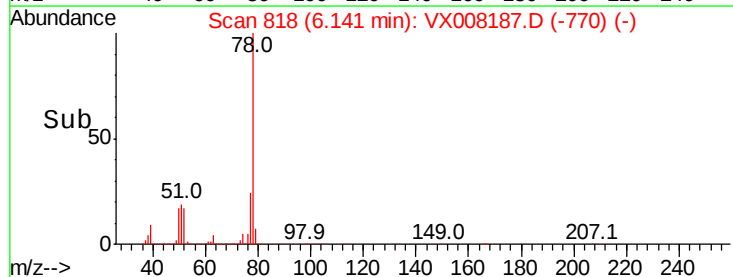
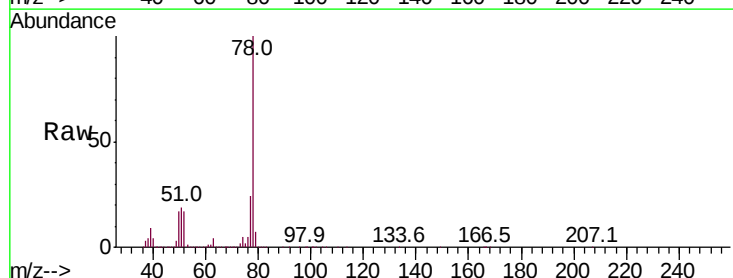
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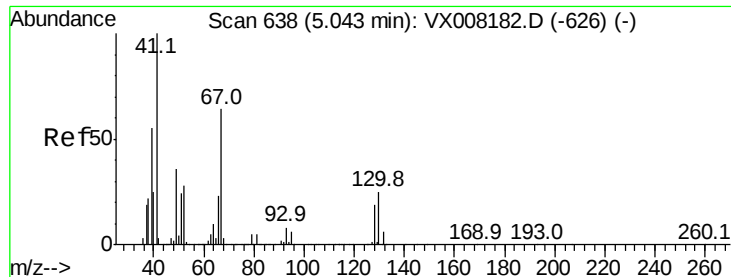
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#40
Benzene
Concen: 55.743 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.4





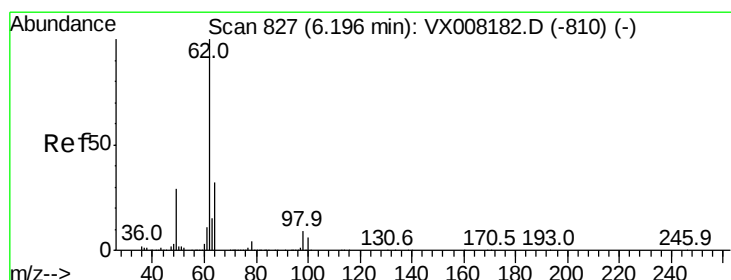
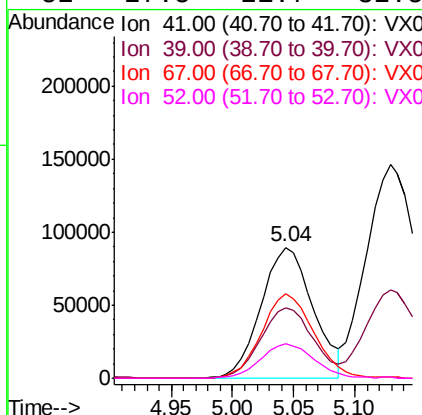
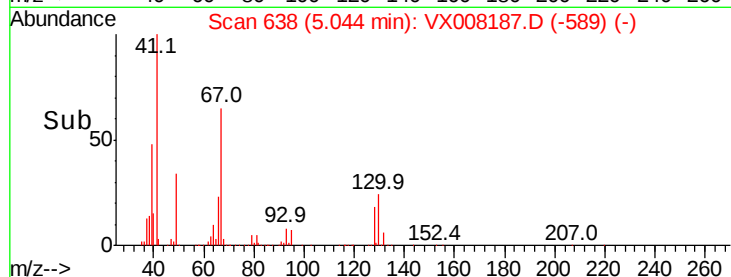
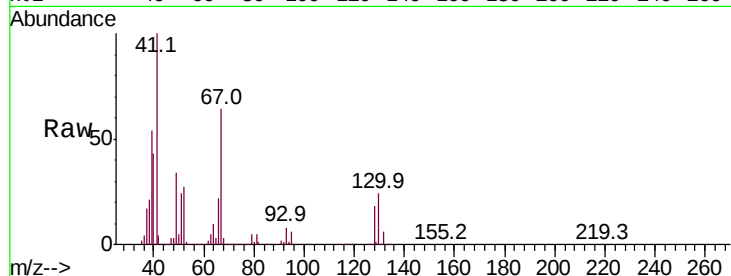
#41
Methacrylonitrile
Concen: 57.296 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031919

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.4	41.6	62.4	
67	65.0	55.8	83.6	
52	27.5	21.7	32.5	

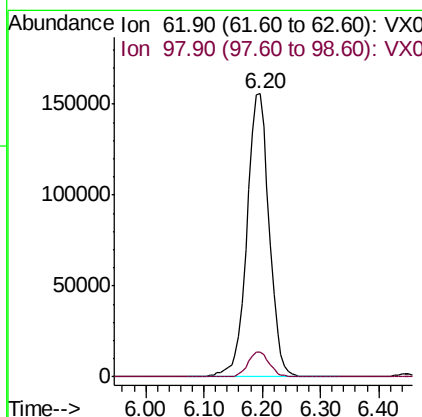
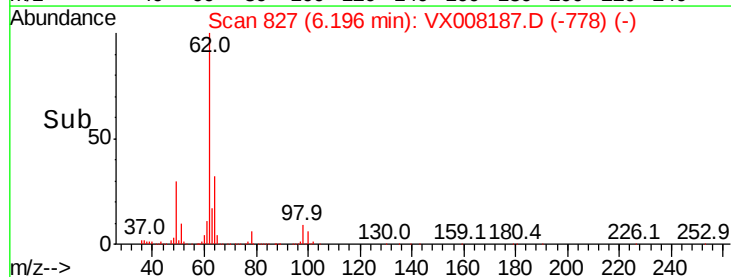
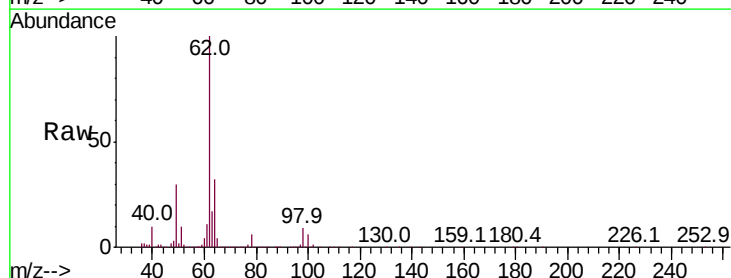
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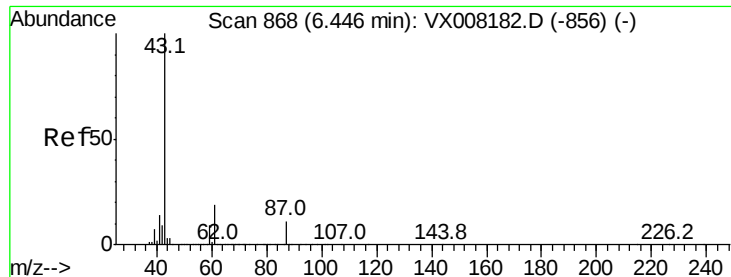
MMDadoda
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#42
1,2-Dichloroethane
Concen: 54.483 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	20.4	





#43

Isopropyl Acetate

Concen: 57.542 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

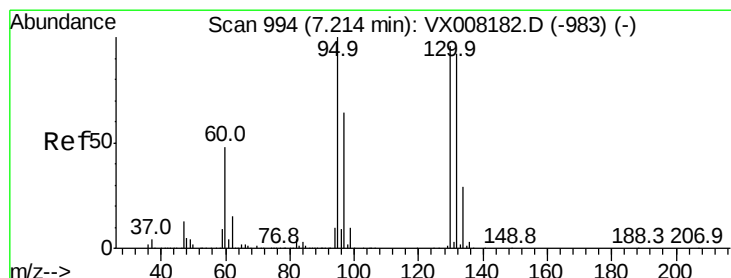
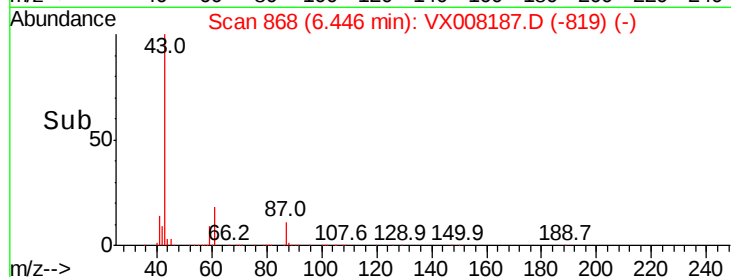
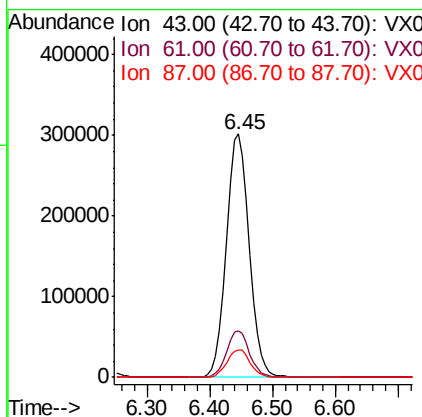
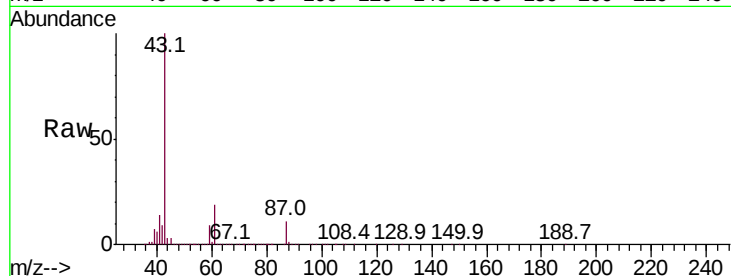
ClientSampleId :

ICVVX031919

Tot Ion:	43	Resp:	759062
Ion	Ratio	Lower	Upper
43	100		
61	19.0	16.3	24.5
87	11.5	10.5	15.7

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#44

Trichloroethene

Concen: 54.673 ug/l

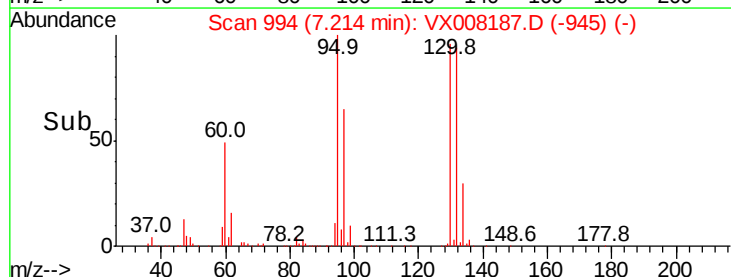
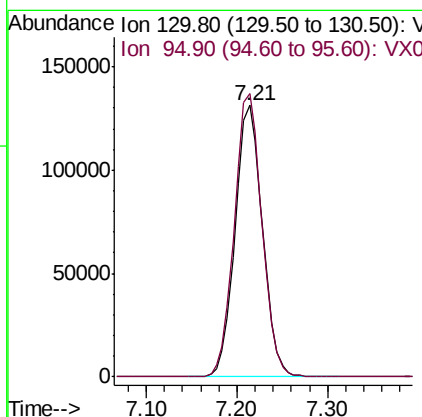
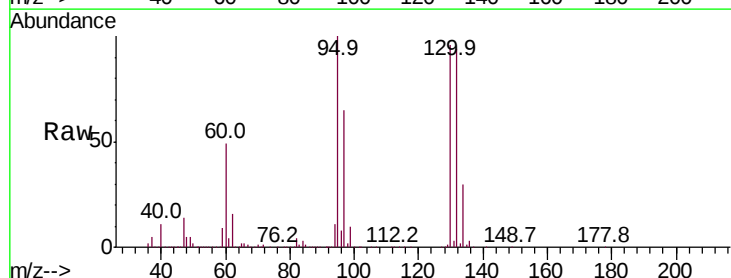
RT: 7.21 min Scan# 994

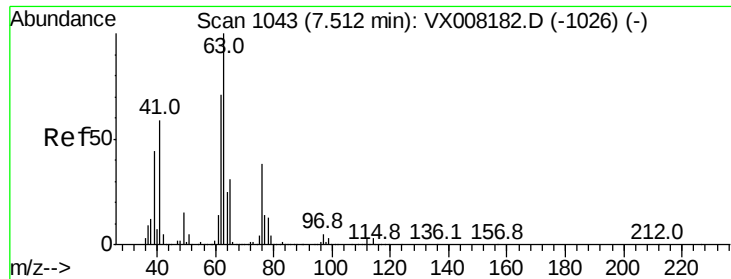
Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Tgt Ion:	130	Resp:	275465
Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	188.0





#45

1,2-Dichloropropane

Concen: 55.131 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031919

Tot Ion: 63 Resp: 318022

Ion Ratio Lower Upper

63 100

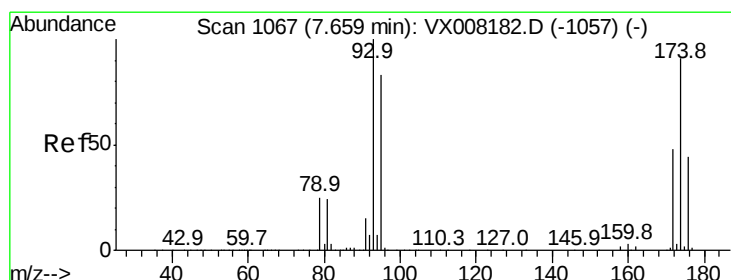
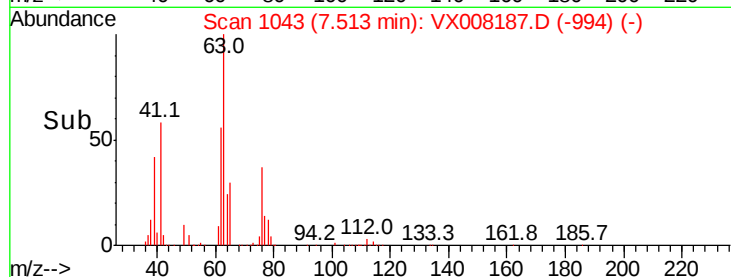
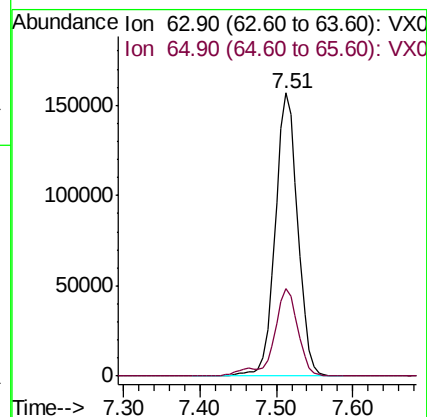
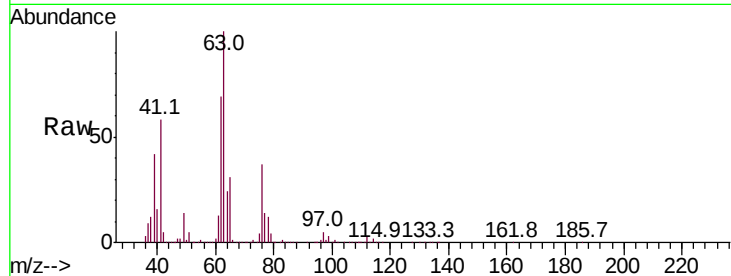
65 31.0 24.7 37.1

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#46

Dibromomethane

Concen: 54.073 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

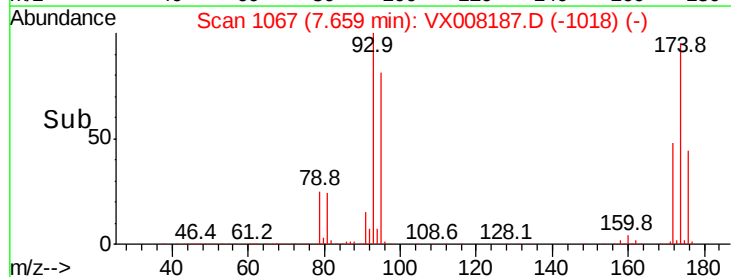
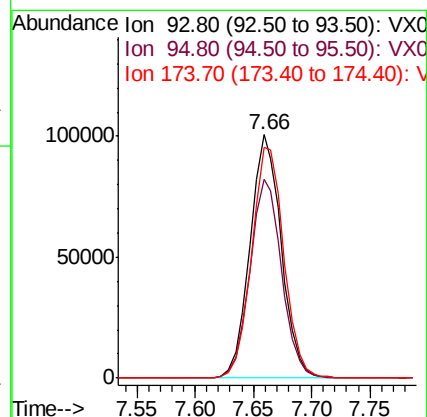
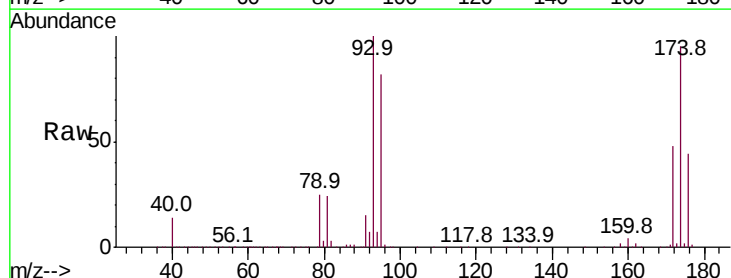
Tgt Ion: 93 Resp: 188856

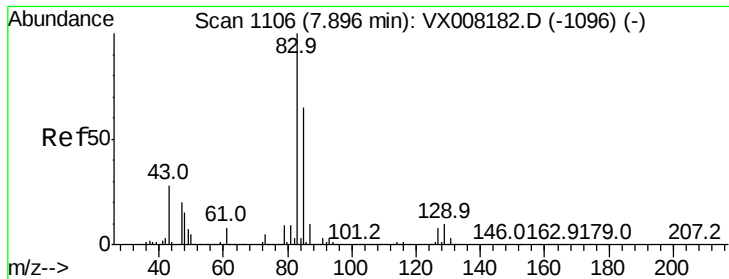
Ion Ratio Lower Upper

93 100

95 82.5 66.8 100.2

174 97.5 97.3 145.9





#47

Bromodichloromethane

Concen: 56.657 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

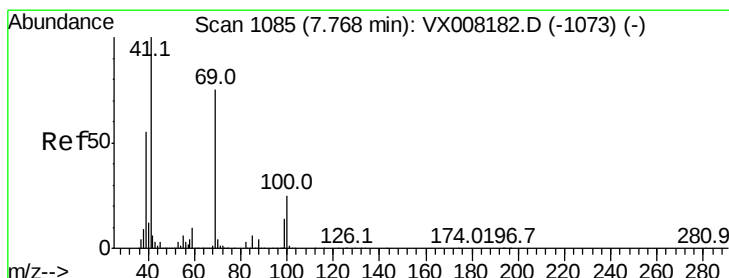
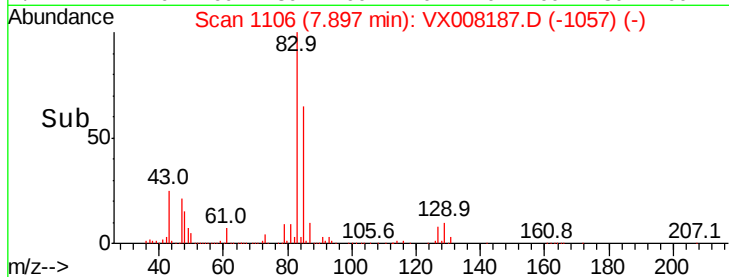
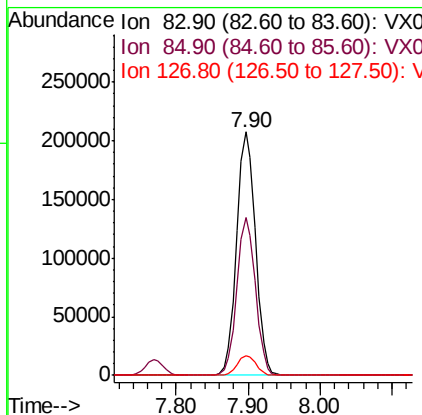
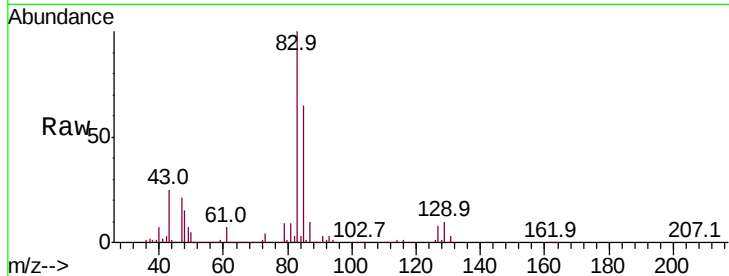
ClientSampleId :

ICVVX031919

Tot Ion:	83	Resp:	377118
Ion Ratio	Lower	Upper	
83	100		
85	64.7	50.9	76.3
127	8.2	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 56.758 ug/l

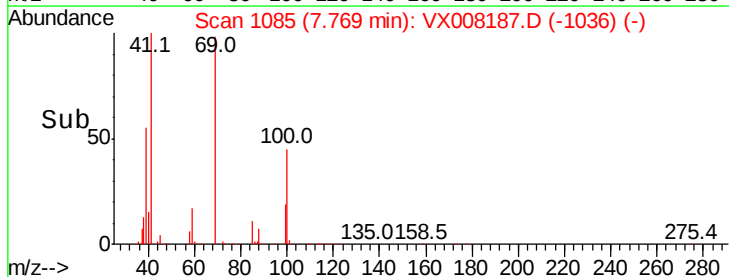
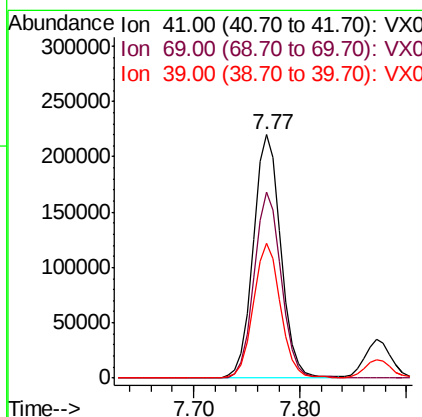
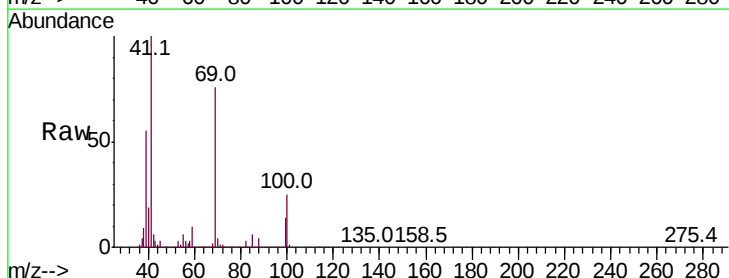
RT: 7.77 min Scan# 1085

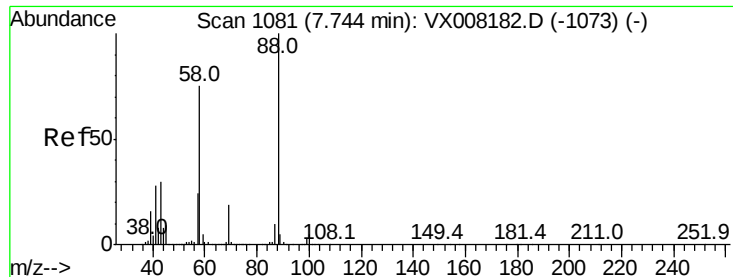
Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Tgt Ion:	41	Resp:	398111
Ion Ratio	Lower	Upper	
41	100		
69	75.7	65.2	97.8
39	54.3	39.4	59.2





#49

1,4-Dioxane

Concen: 1070.998 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

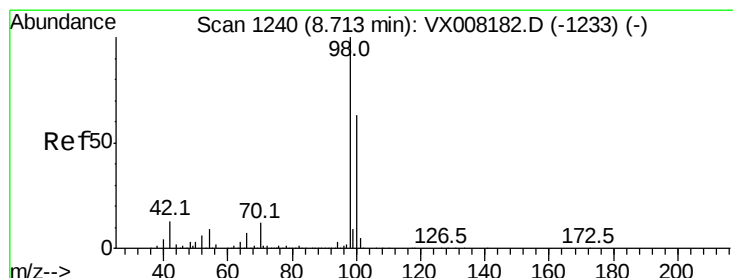
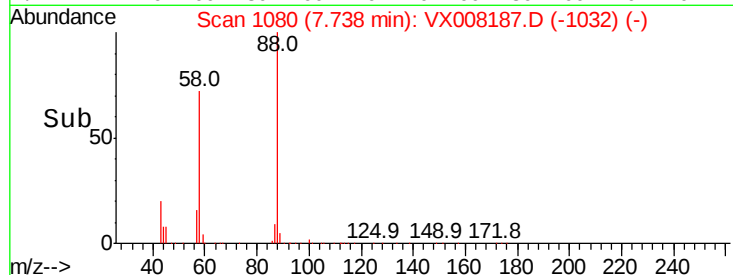
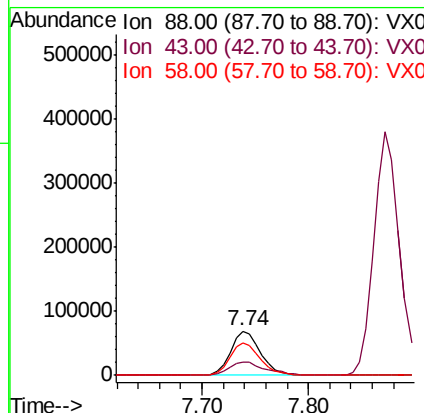
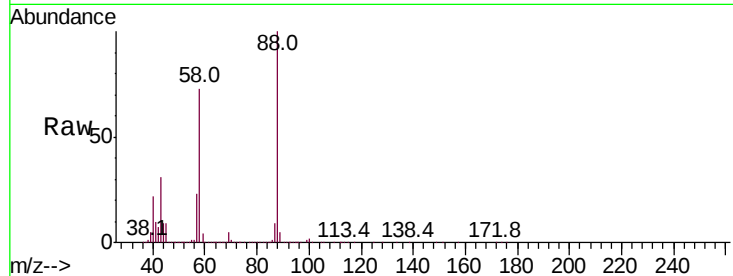
ClientSampleId :

ICVVX031919

Tot Ion:	88	Resp:	132564
Ion Ratio	Lower	Upper	
88	100		
43	36.7	25.1	37.7
58	75.8	57.8	86.6

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#50

Toluene-d8

Concen: 53.424 ug/l

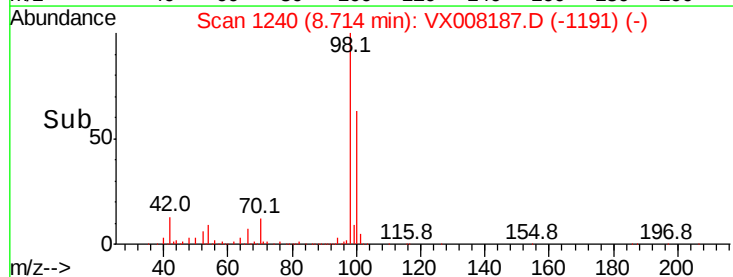
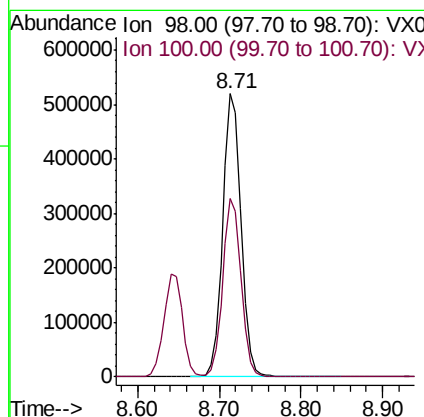
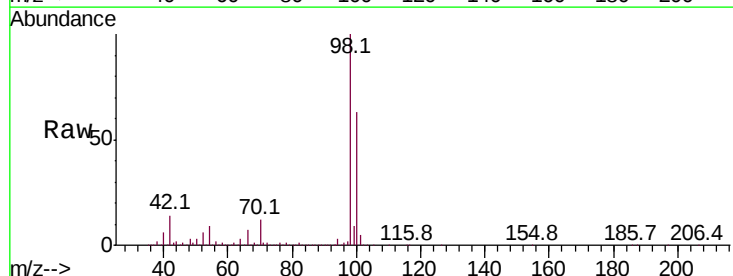
RT: 8.71 min Scan# 1240

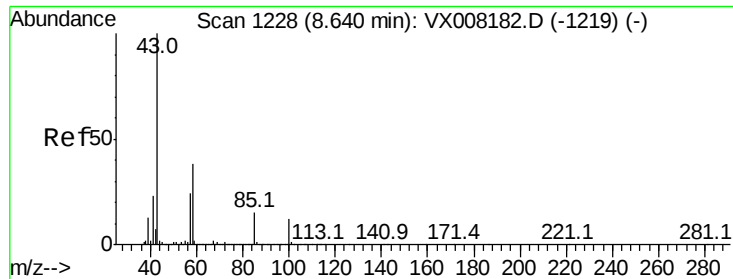
Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Tgt Ion:	98	Resp:	810822
Ion Ratio	Lower	Upper	
98	100		
100	63.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 276.939 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031919

Tot Ion: 43 Resp: 2361800

Ion Ratio Lower Upper

43 100

58 37.7

31.3

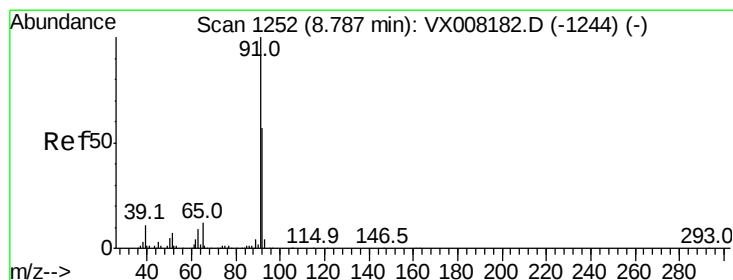
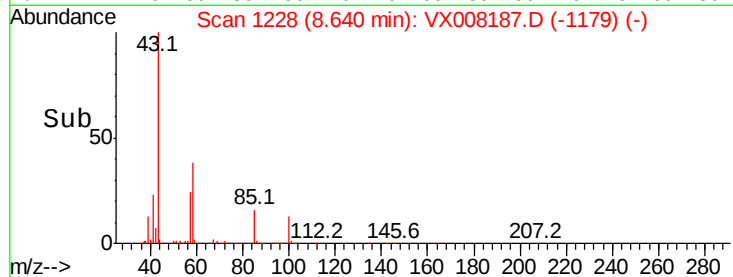
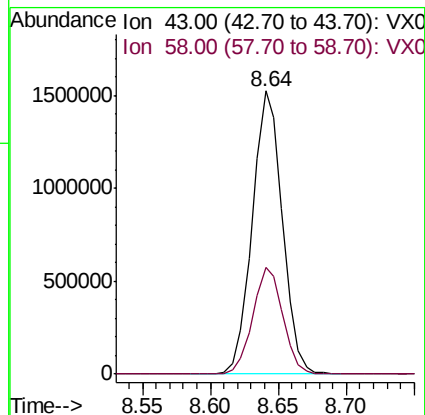
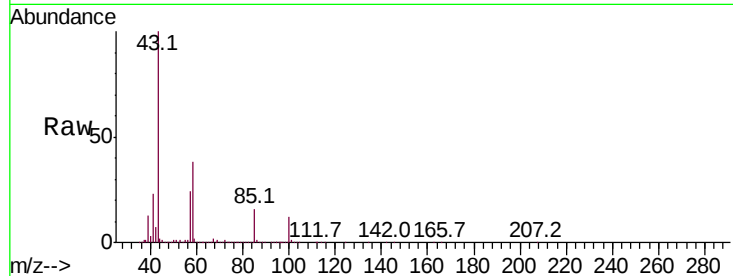
46.9

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#52

Toluene

Concen: 55.938 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Tgt Ion: 92 Resp: 683838

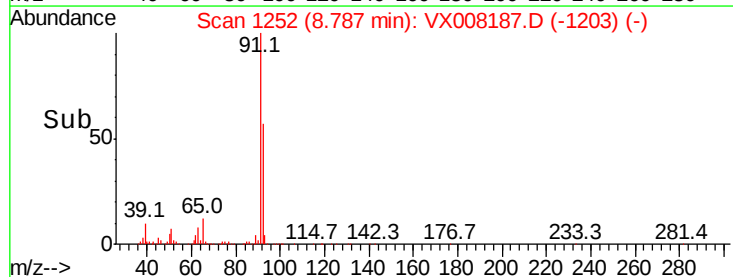
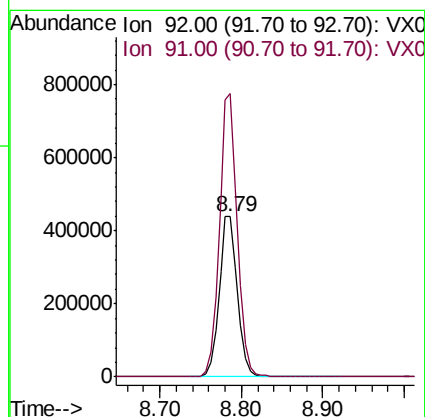
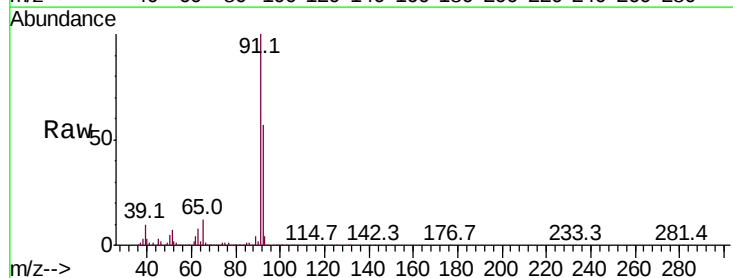
Ion Ratio Lower Upper

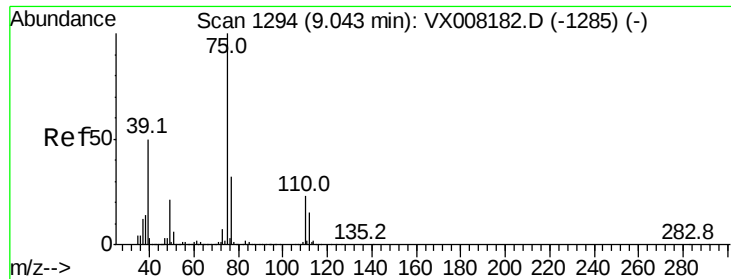
92 100

91 174.0

137.4

206.0





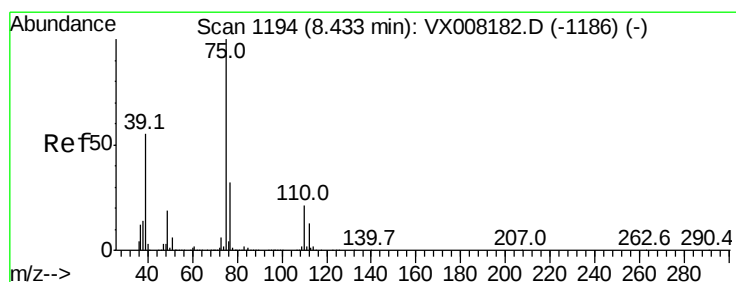
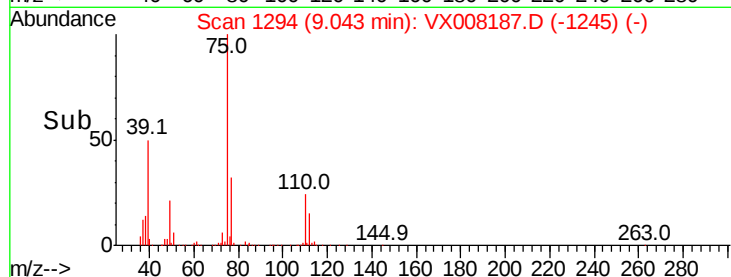
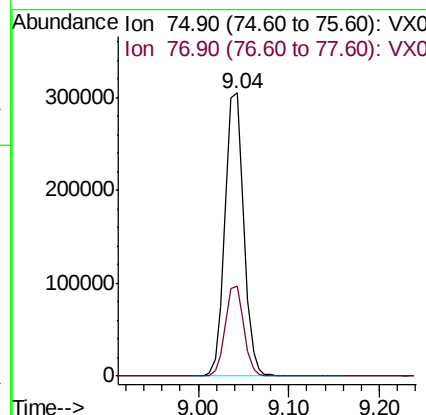
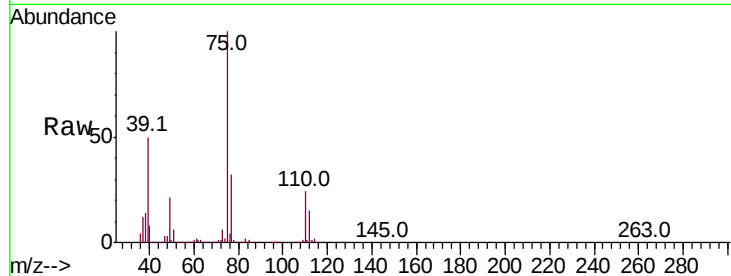
#53
t-1,3-Dichloropropene
Concen: 53.044 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031919

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0

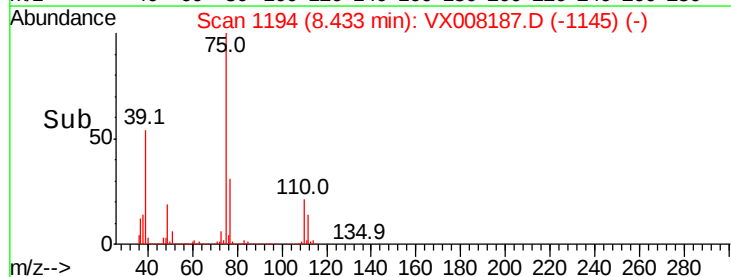
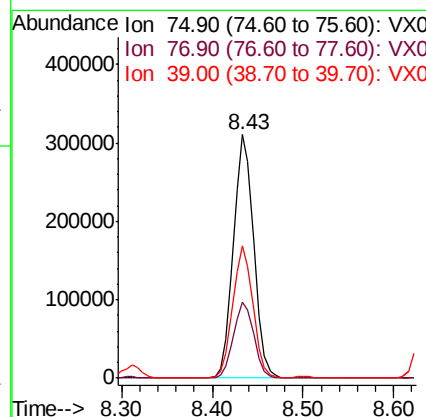
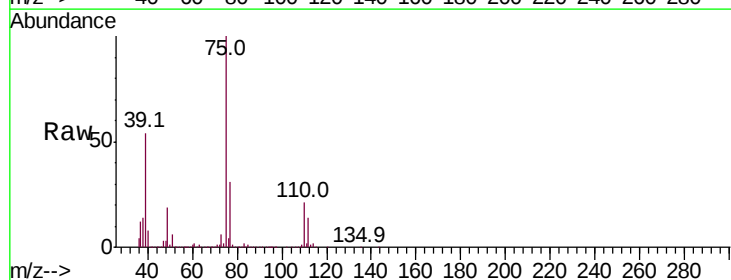
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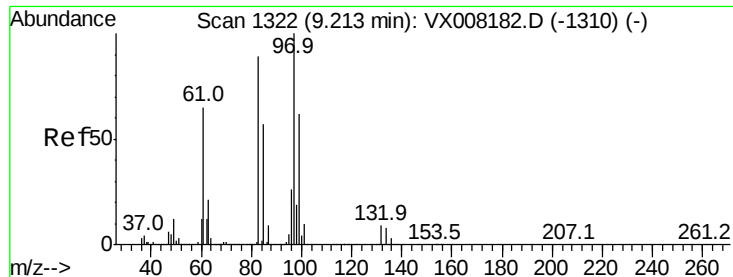
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#54
cis-1,3-Dichloropropene
Concen: 58.461 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.6
39	54.1	36.6	54.8





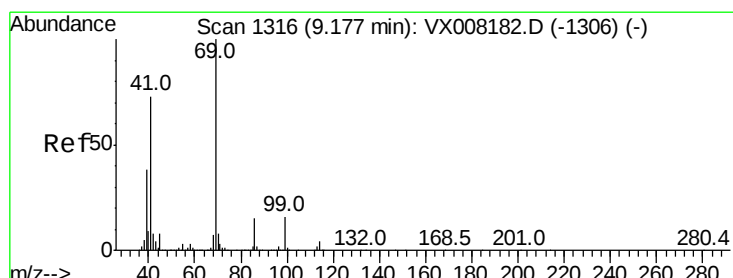
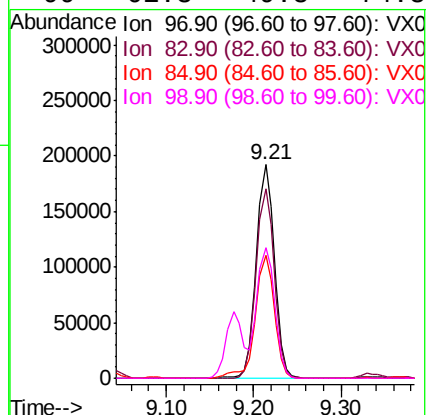
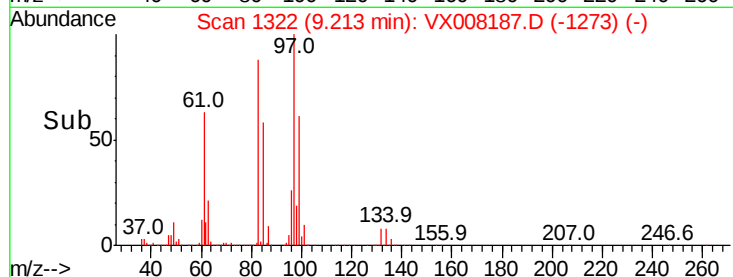
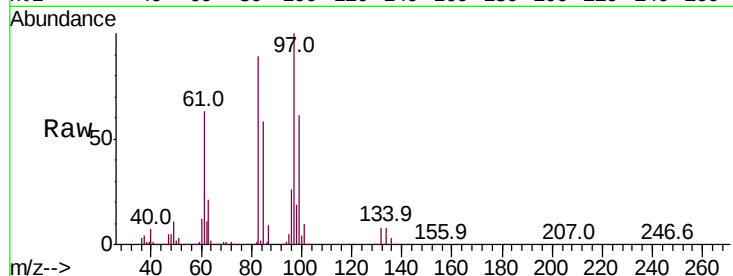
#55
 1,1,2-Trichloroethane
 Concen: 55.859 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008187.D
 Acq: 19 Mar 2019 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX031919

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.1	103.7
85	57.5	44.3	66.5
99	61.3	49.8	74.8

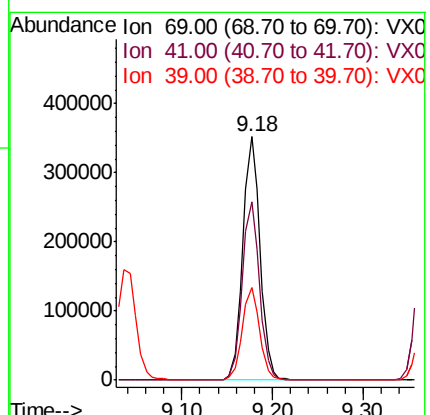
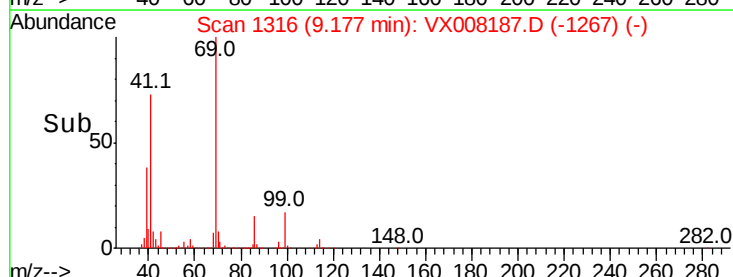
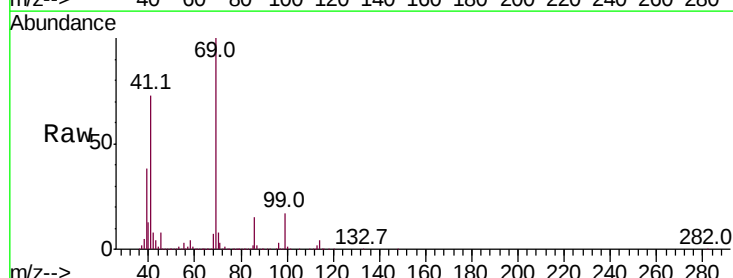
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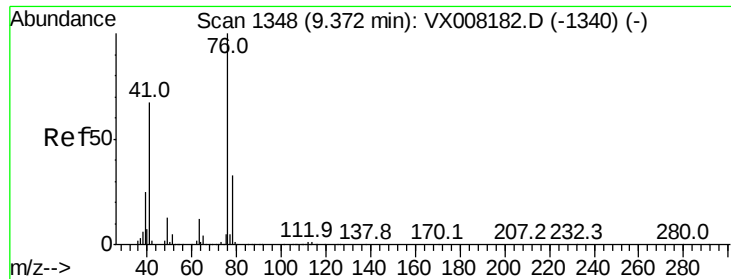
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#56
 Ethyl methacrylate
 Concen: 53.607 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008187.D
 Acq: 19 Mar 2019 13:16

Tgt Ion	Ratio	Lower	Upper
69	100		
41	73.4	54.2	81.4
39	38.2	25.0	37.4#





#57

1,3-Dichloropropane

Concen: 55.905 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031919

Tot Ion: 76 Resp: 488473

Ion Ratio Lower Upper

76 100

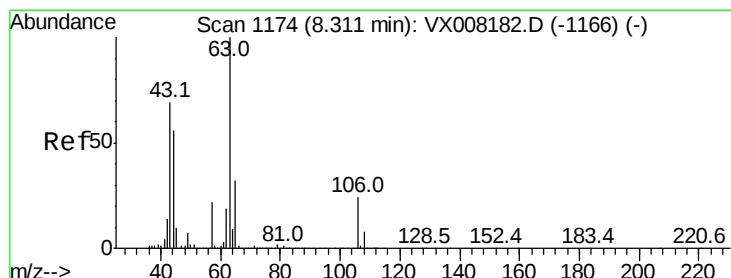
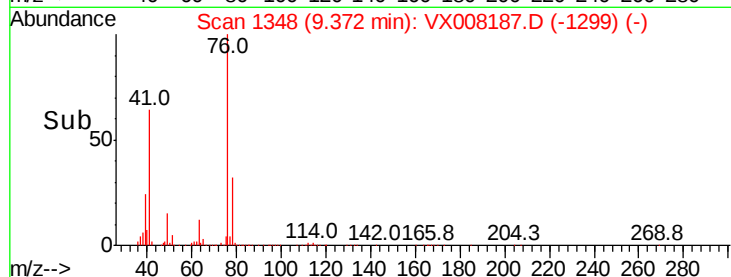
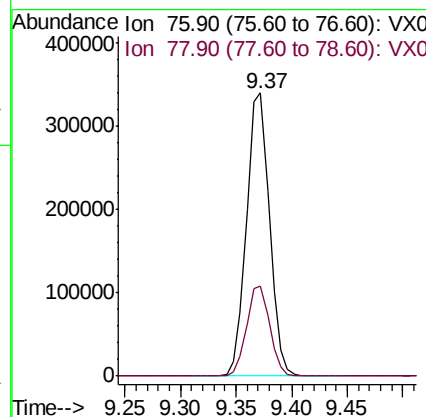
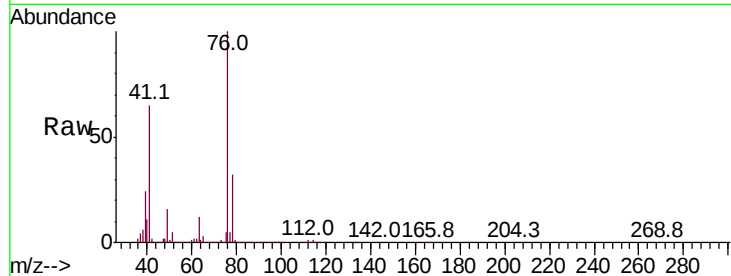
78 31.9 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 273.820 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008187.D

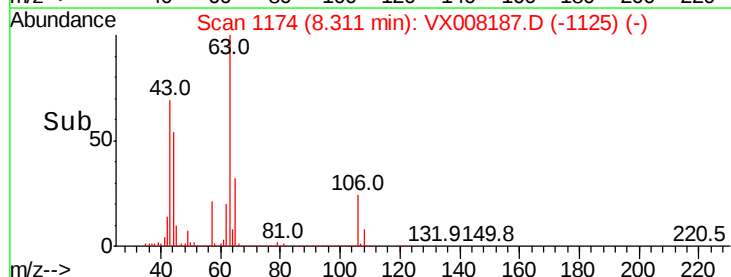
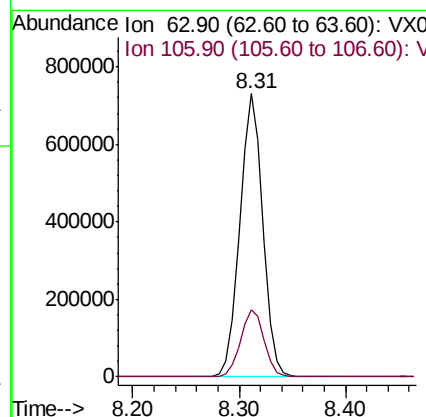
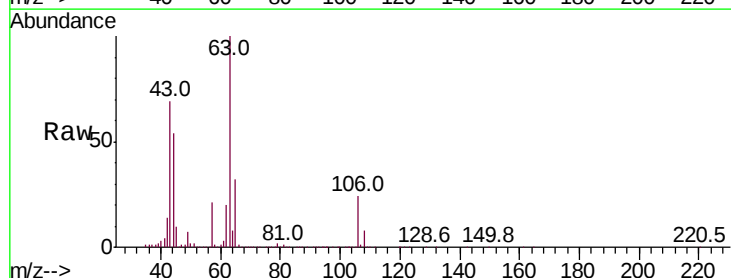
Acq: 19 Mar 2019 13:16

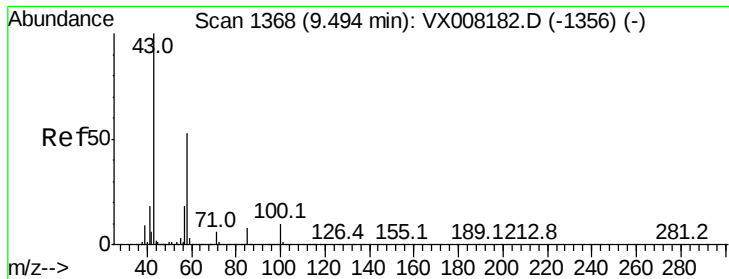
Tgt Ion: 63 Resp: 1108118

Ion Ratio Lower Upper

63 100

106 24.2 22.2 33.2





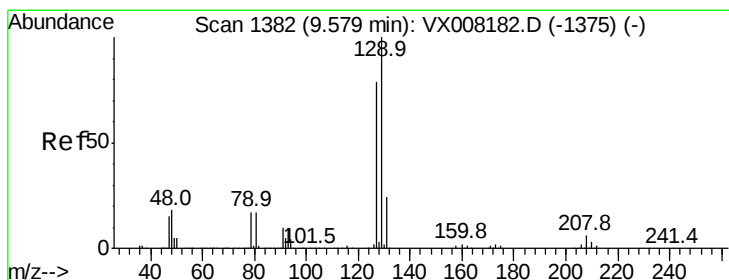
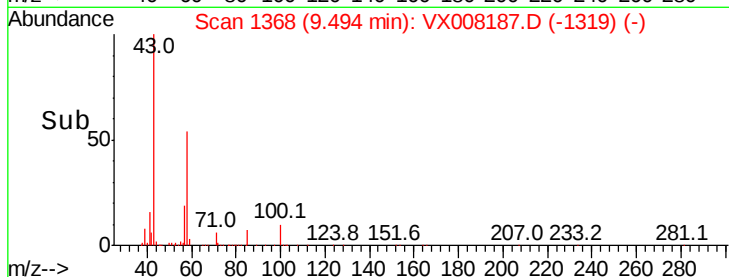
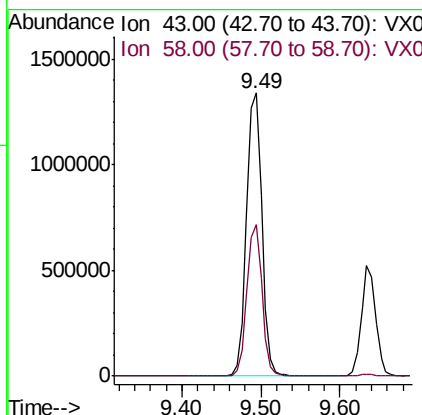
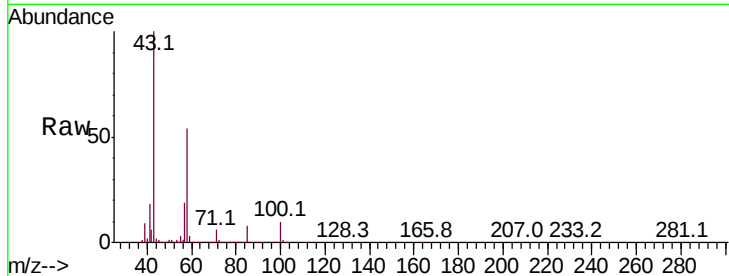
#59
2-Hexanone
Concen: 276.321 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031919

Tot Ion: 43 Resp: 1814245
Ion Ratio Lower Upper
43 100
58 52.6 27.6 82.7

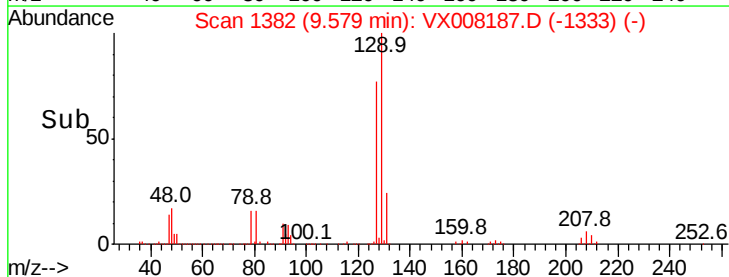
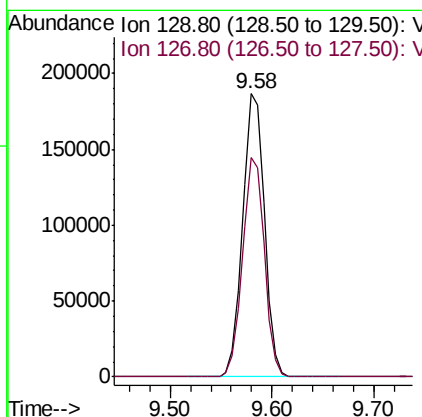
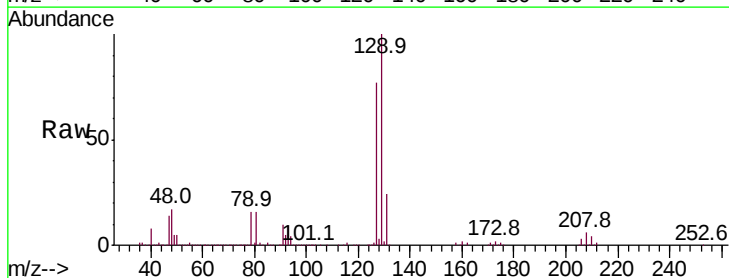
Manual Integrations
APPROVED

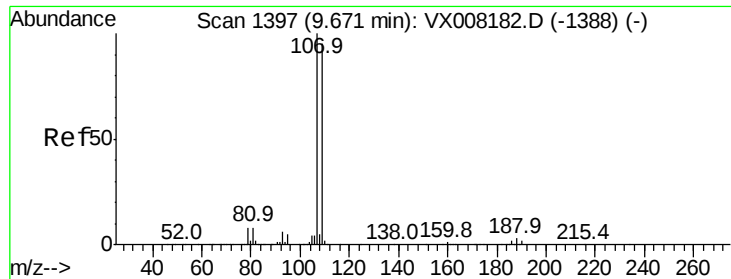
MMDadoda
3/20/2019 10:28:27 AM



#60
Dibromochloromethane
Concen: 58.337 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Tgt Ion: 129 Resp: 276915
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.8





#61

1,2-Dibromoethane

Concen: 55.935 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031919

Tot Ion:107 Resp: 288477

Ion Ratio Lower Upper

107 100

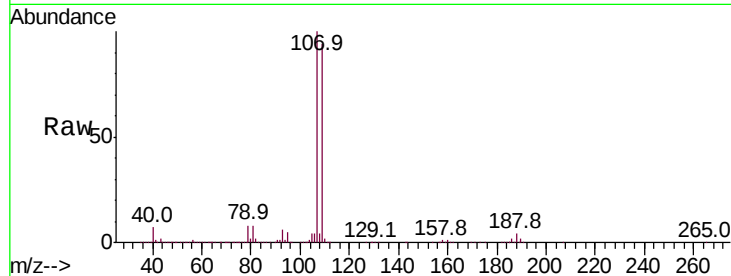
109 93.7 75.8 113.8

Manual Integrations

APPROVED

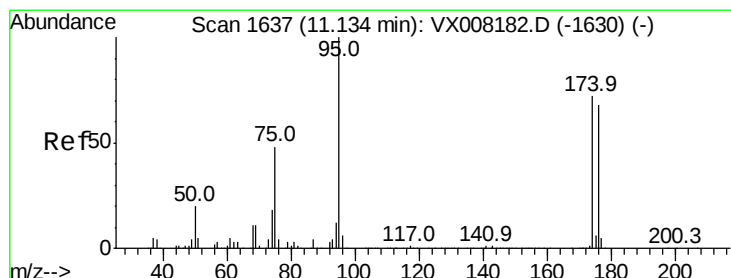
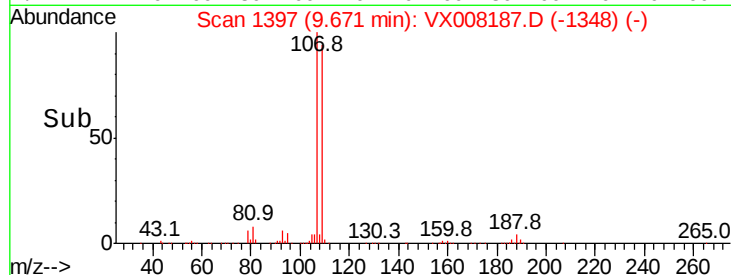
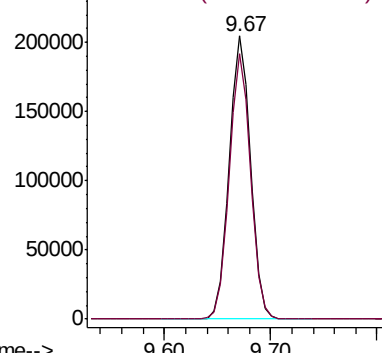
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.415 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

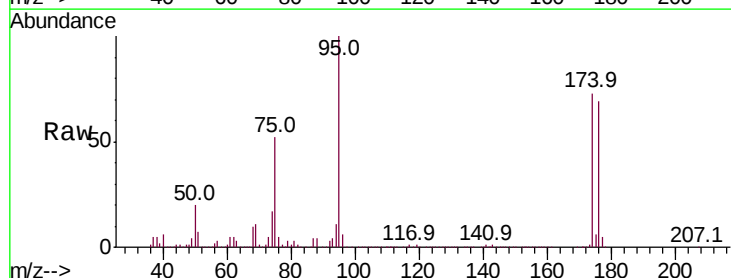
Tgt Ion: 95 Resp: 289584

Ion Ratio Lower Upper

95 100

174 77.5 0.0 182.8

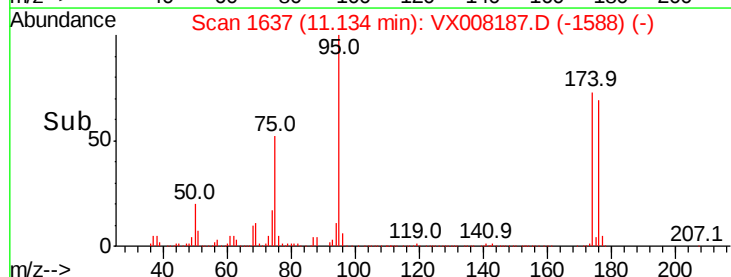
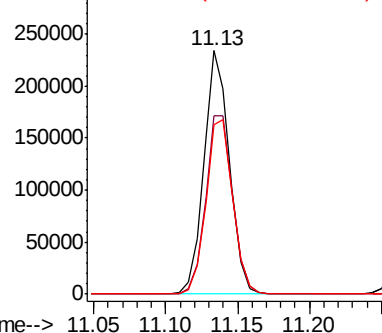
176 75.2 0.0 178.0

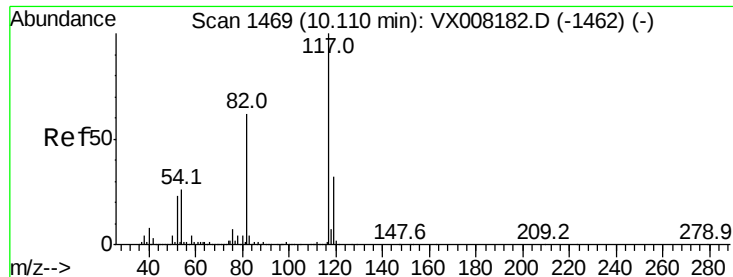


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





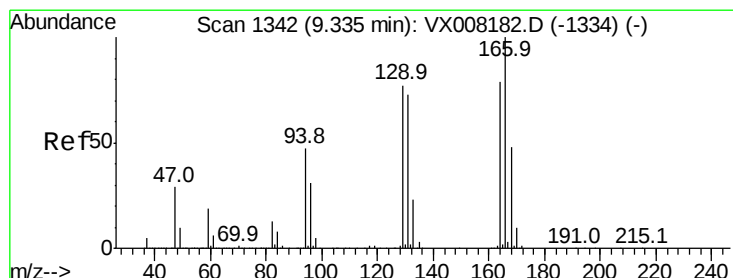
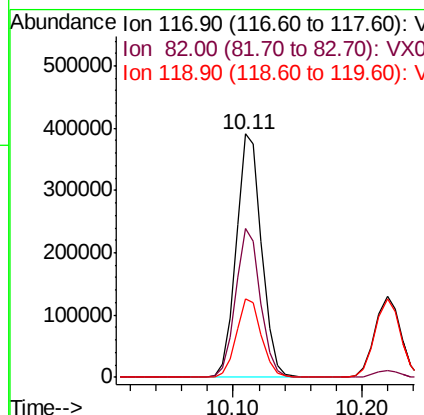
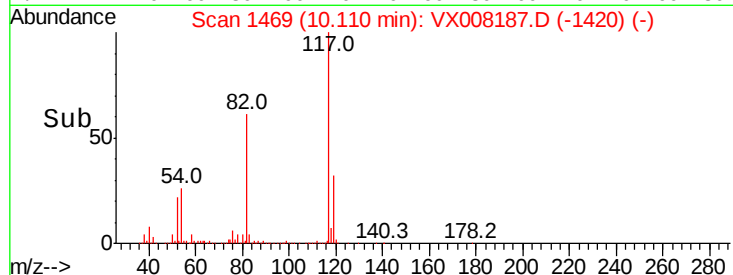
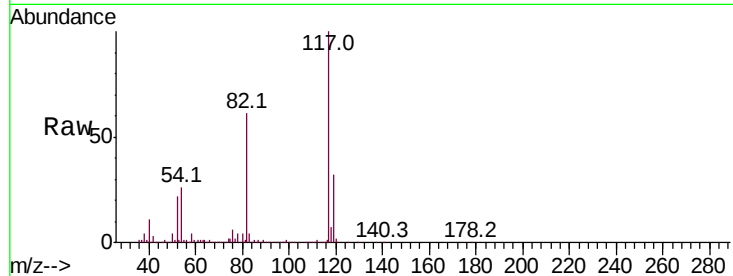
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031919

Tot Ion:	117	Resp:	533617
Ion Ratio	Lower	Upper	
117	100		
82	61.0	44.3	66.5
119	32.1	25.3	37.9

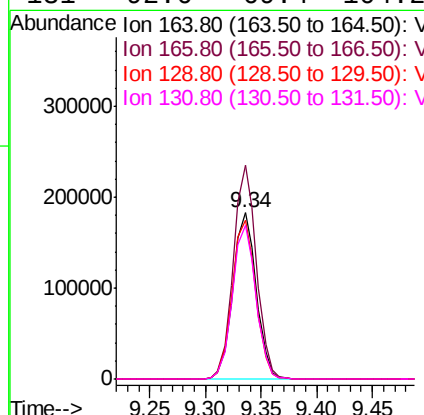
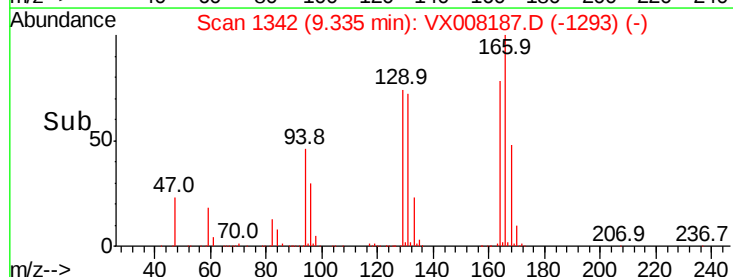
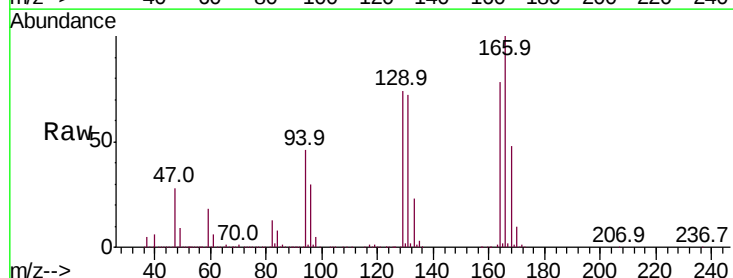
Manual Integrations
APPROVED

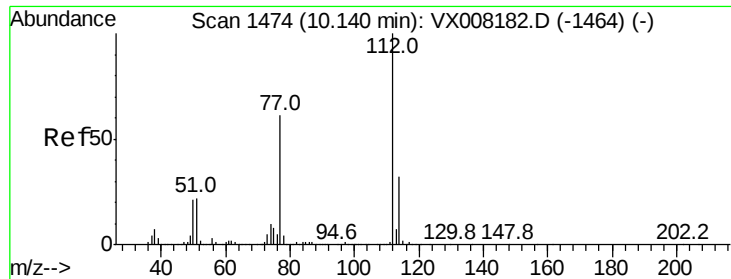
MMDadoda
3/20/2019 10:28:27 AM



#64
Tetrachloroethene
Concen: 54.946 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Tgt Ion:	164	Resp:	264525
Ion Ratio	Lower	Upper	
164	100		
166	128.6	103.4	155.0
129	95.3	72.2	108.4
131	92.6	69.4	104.2





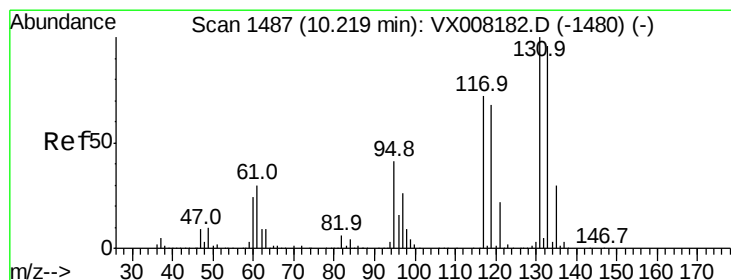
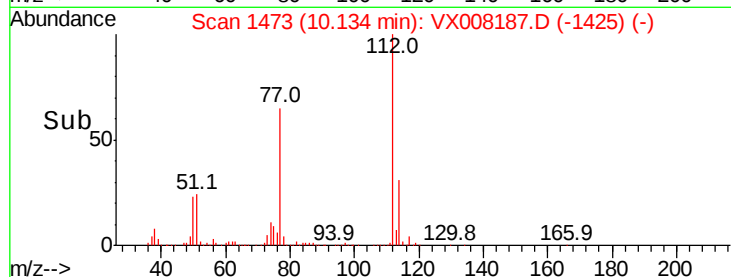
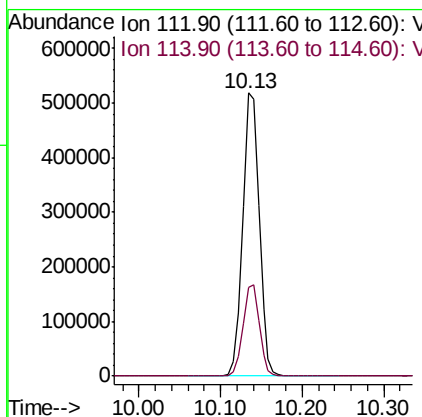
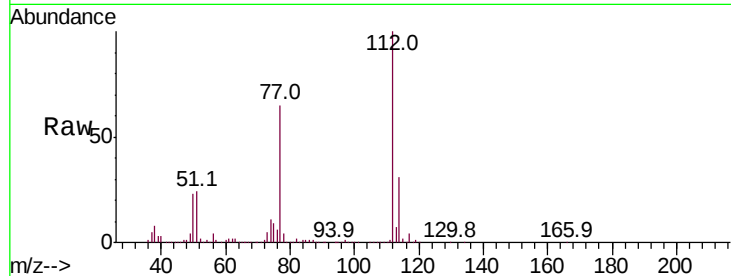
#65
Chlorobenzene
Concen: 54.923 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031919

Tot Ion:112 Resp: 721145
Ion Ratio Lower Upper
112 100
114 31.4 26.0 39.0

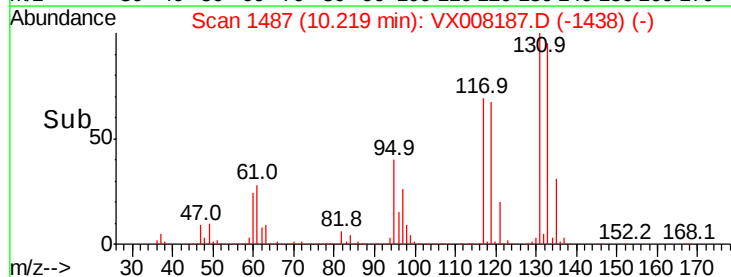
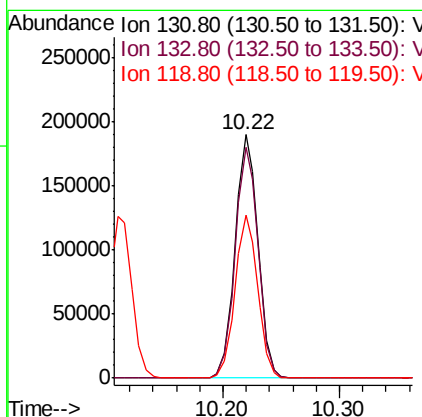
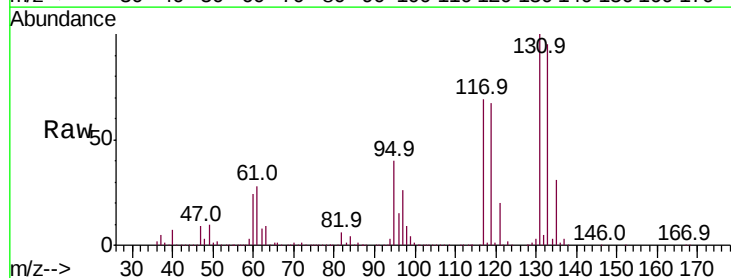
Manual Integrations
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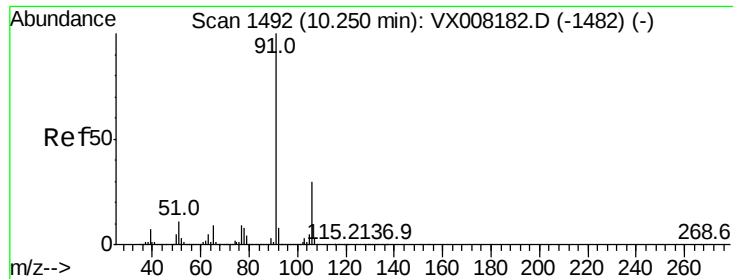
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.575 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Tgt Ion:131 Resp: 259000
Ion Ratio Lower Upper
131 100
133 95.1 47.8 143.3
119 66.7 32.5 97.5





#67

Ethyl Benzene

Concen: 56.900 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031919

Tot Ion: 91 Resp: 1316549

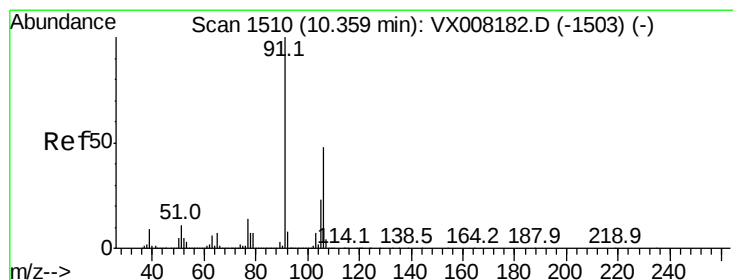
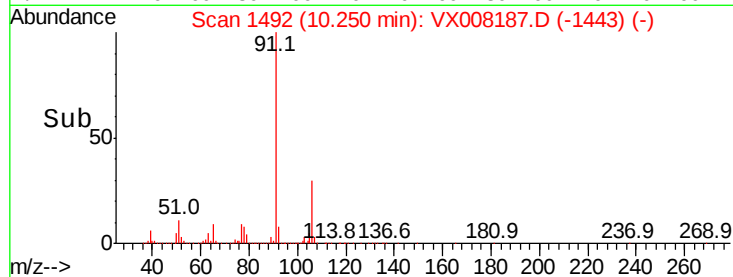
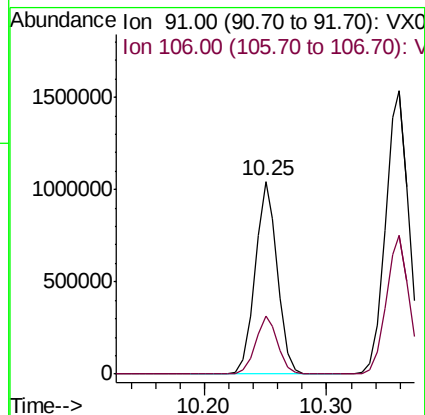
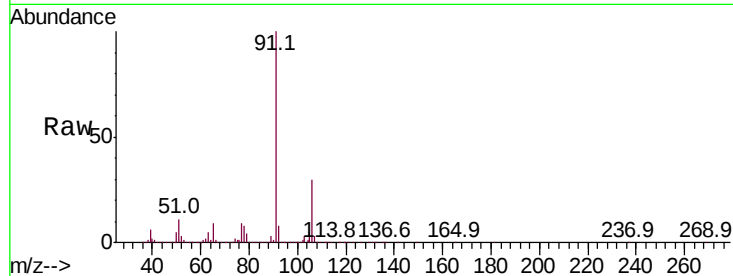
Ion Ratio Lower Upper

91 100

106 30.5 25.2 37.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 115.070 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008187.D

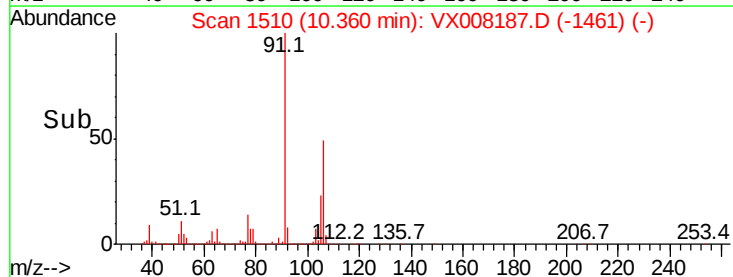
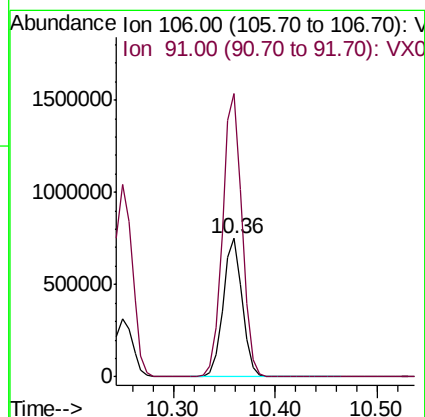
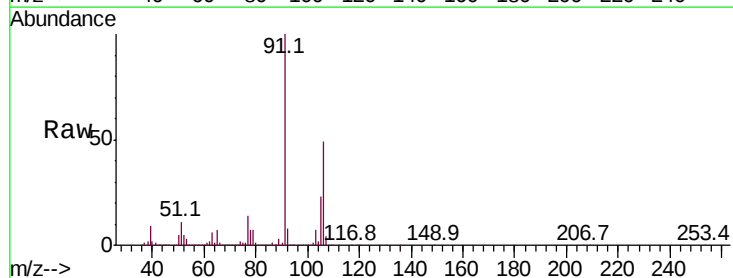
Acq: 19 Mar 2019 13:16

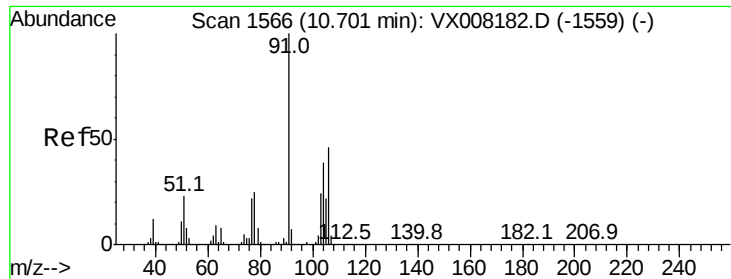
Tgt Ion: 106 Resp: 978041

Ion Ratio Lower Upper

106 100

91 208.1 159.8 239.6





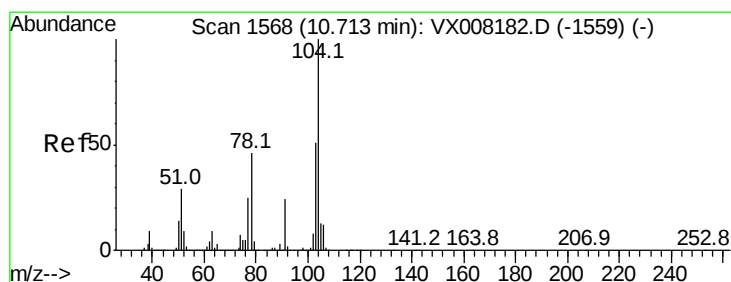
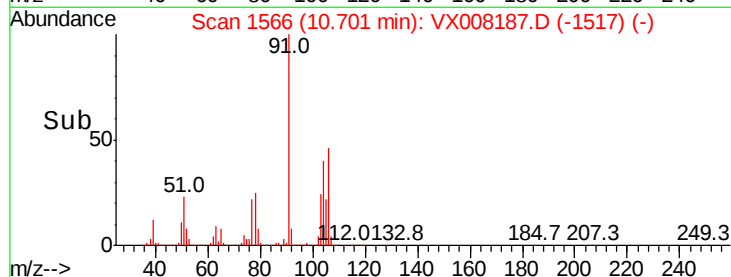
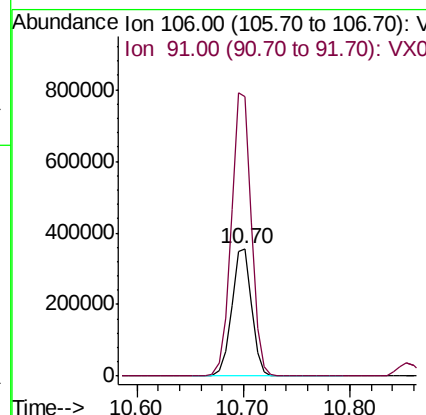
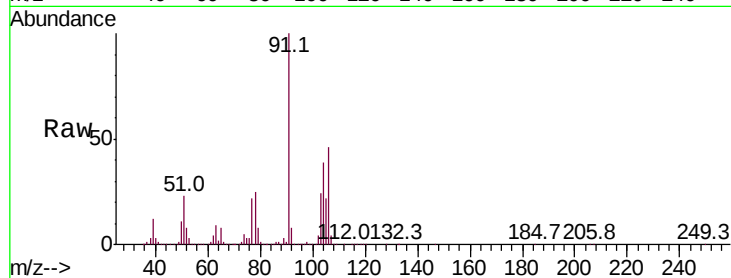
#69
o-Xylene
Concen: 56.626 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031919

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.0	106.3	318.9

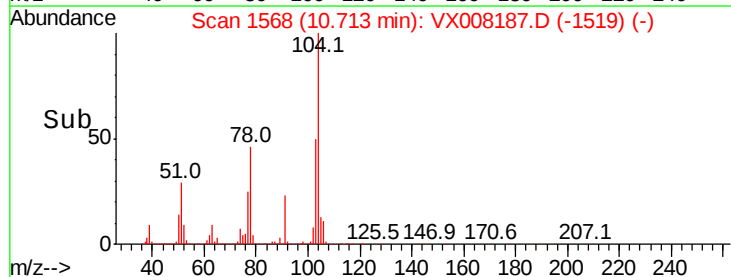
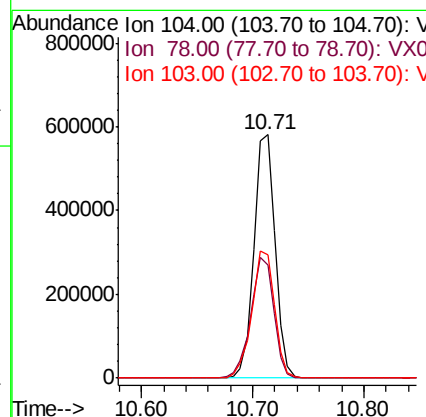
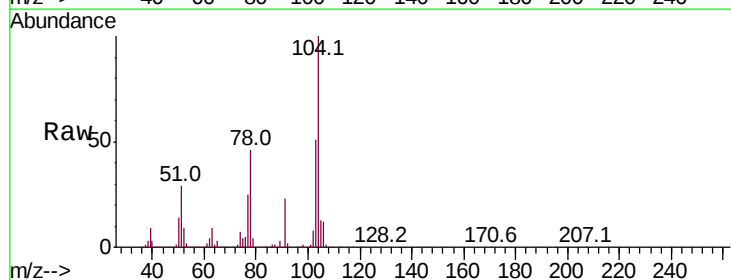
Manual Integrations
APPROVED

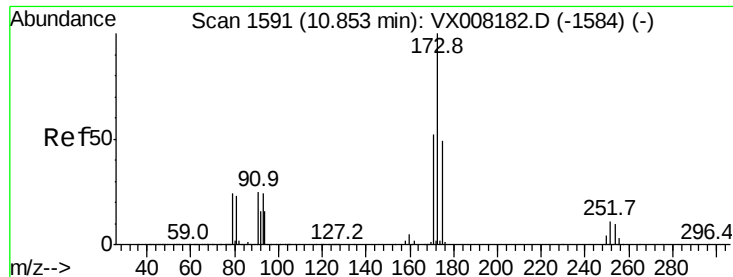
MMDadoda
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#70
Styrene
Concen: 57.249 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.9	38.5	57.7
103	56.2	44.1	66.1





#71

Bromoform

Concen: 51.039 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

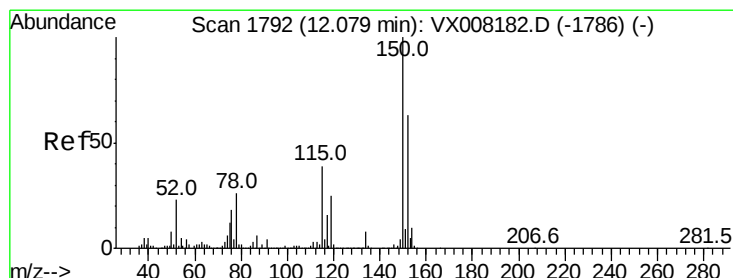
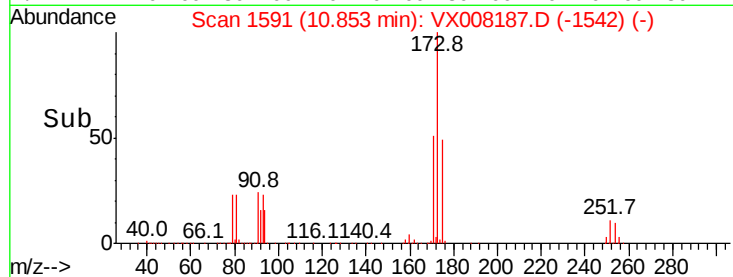
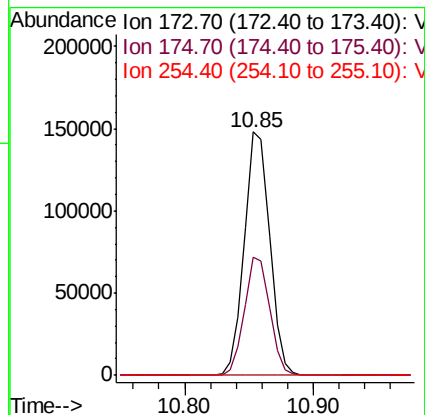
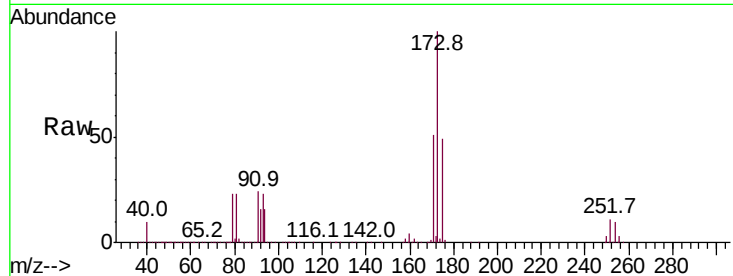
ClientSampleId :

ICVVX031919

Tot Ion	Ratio	Resp	Lower	Upper
173	100	201508		
175	48.5	24.3	72.9	
254	0.2	0.1	0.1#	

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

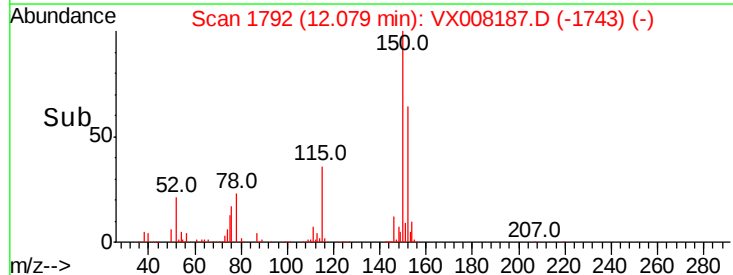
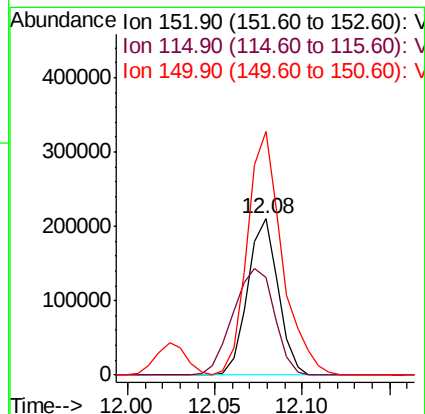
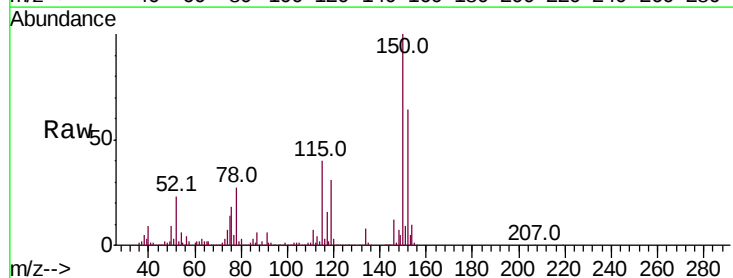
RT: 12.08 min Scan# 1792

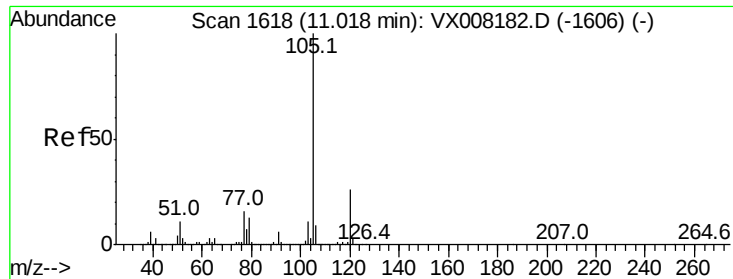
Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	254730		
115	93.1	38.6	115.7	
150	177.2	0.0	348.4	





#73

Isopropylbenzene

Concen: 55.784 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031919

Tot Ion:105 Resp: 1266605

Ion Ratio Lower Upper

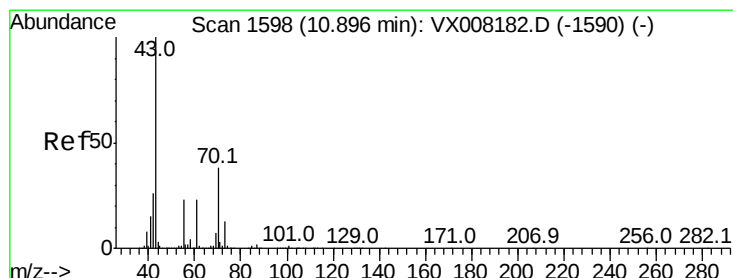
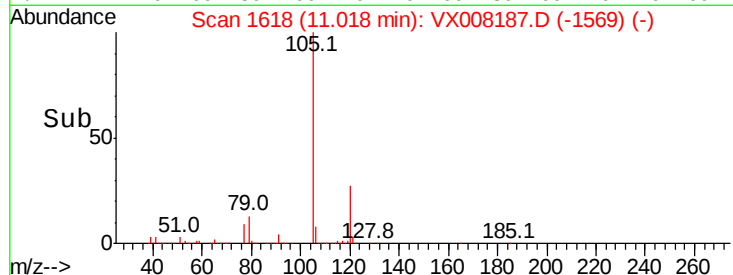
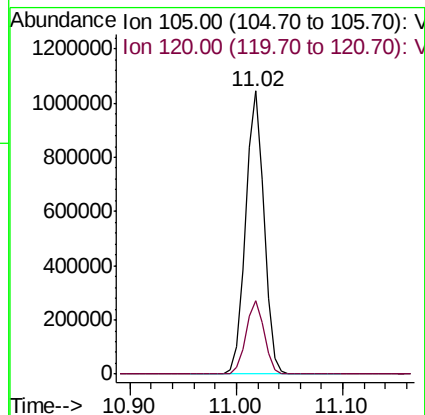
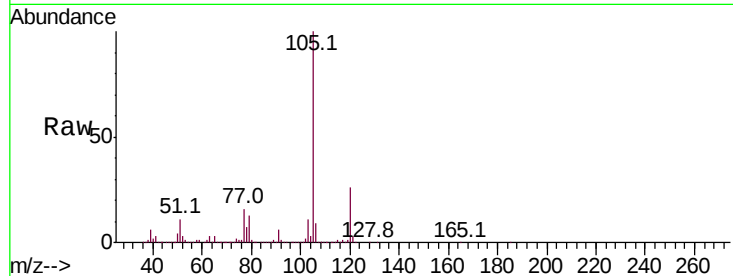
105 100

120 25.7 13.4 40.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 54.371 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Tgt Ion: 43 Resp: 646794

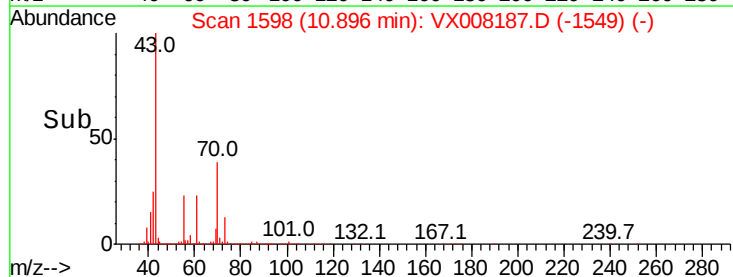
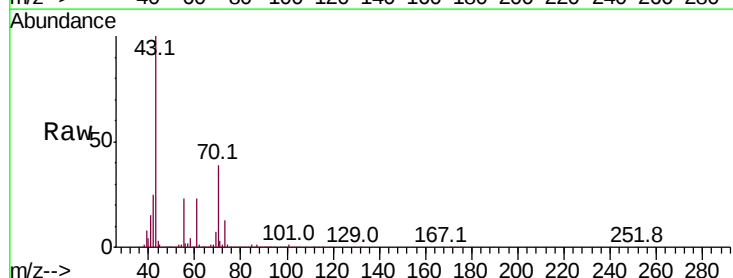
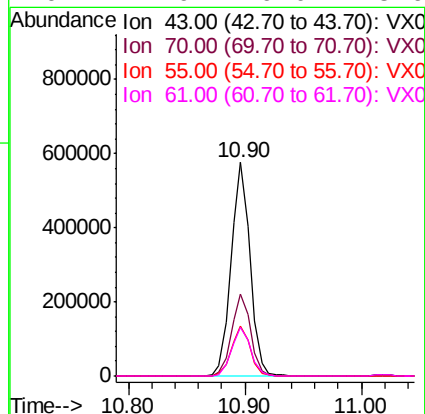
Ion Ratio Lower Upper

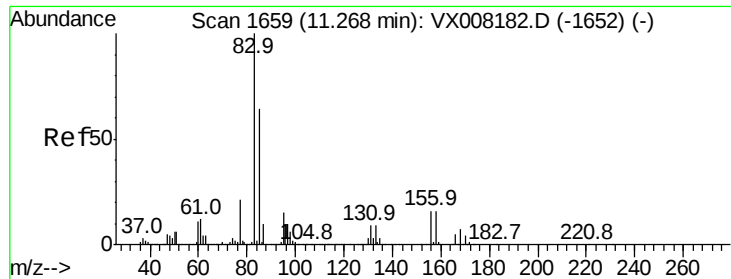
43 100

70 38.8 33.5 50.3

55 23.2 19.2 28.8

61 22.9 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.651 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031919

Tot Ion: 83 Resp: 412384

Ion Ratio Lower Upper

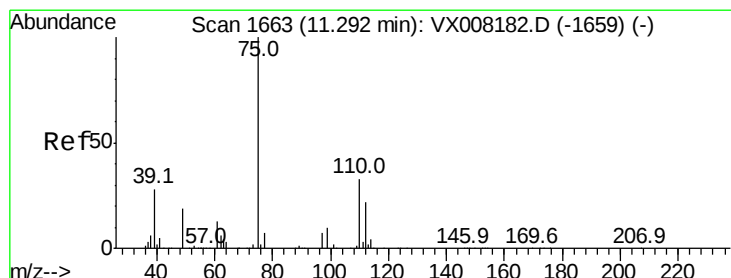
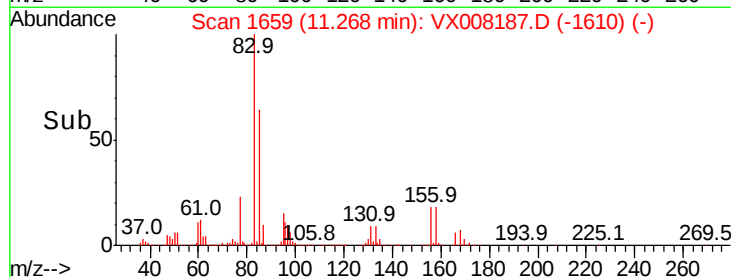
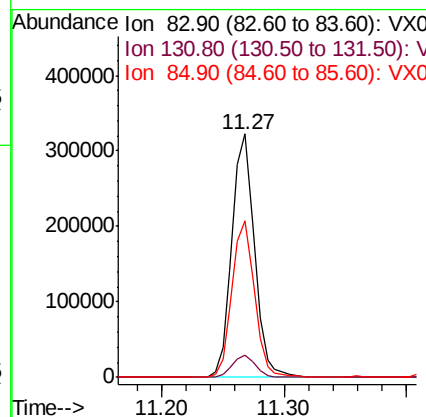
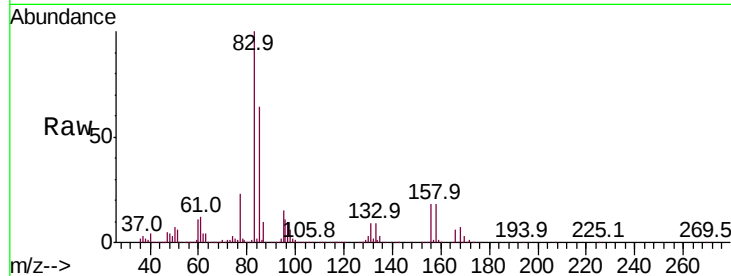
83 100

131 9.1 5.4 16.2

85 64.2 32.3 96.8

Manual Integrations
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3/20/2019 10:28:27 AM



#76

1,2,3-Trichloropropane

Concen: 50.779 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX008187.D

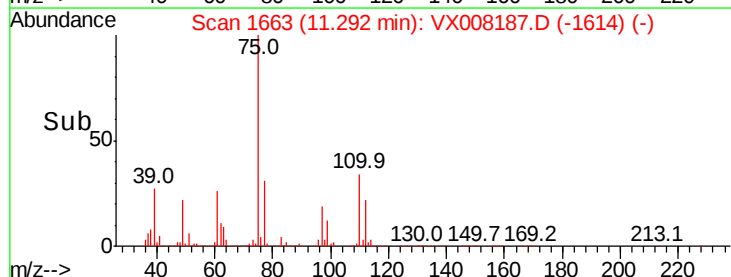
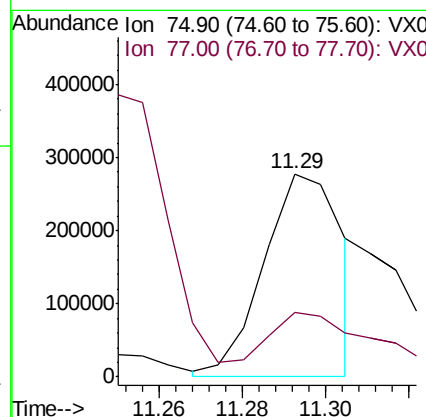
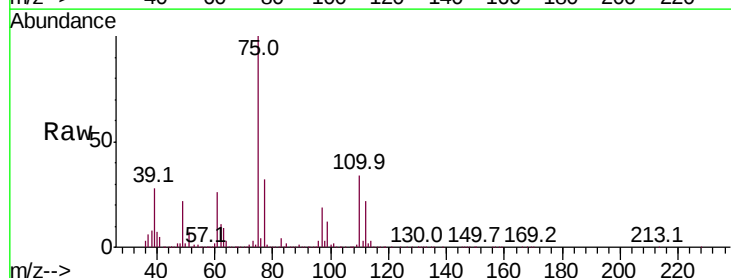
Acq: 19 Mar 2019 13:16

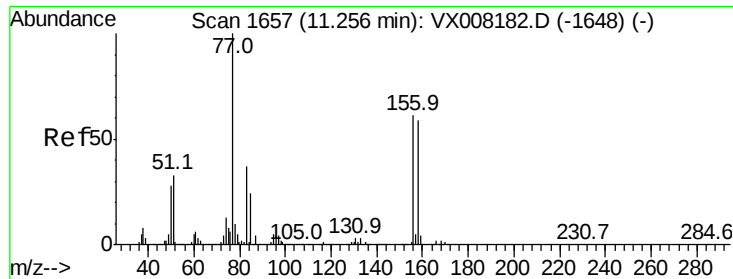
Tgt Ion: 75 Resp: 363807

Ion Ratio Lower Upper

75 100

77 44.9 18.9 56.7





#77

Bromobenzene

Concen: 52.767 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031919

Tot Ion:156 Resp: 289679

Ion Ratio Lower Upper

156 100

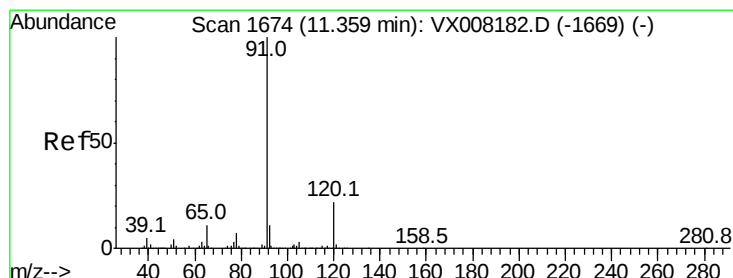
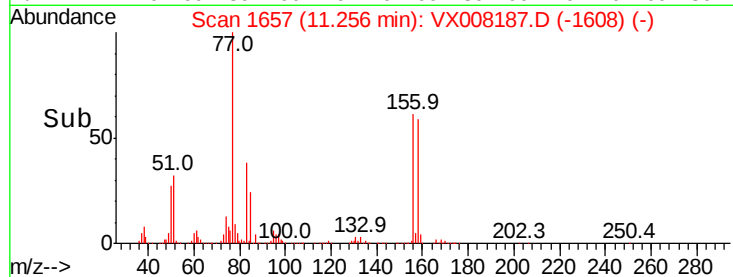
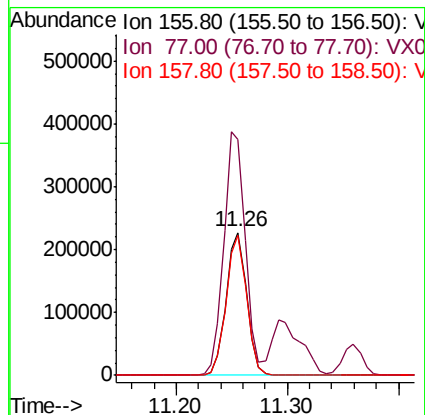
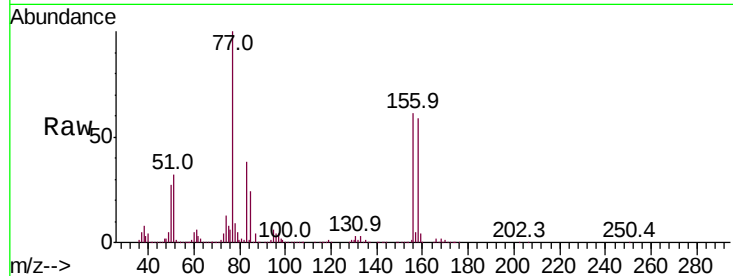
77 177.0 72.0 215.9

158 97.6 48.6 145.9

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#78

n-propylbenzene

Concen: 57.324 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008187.D

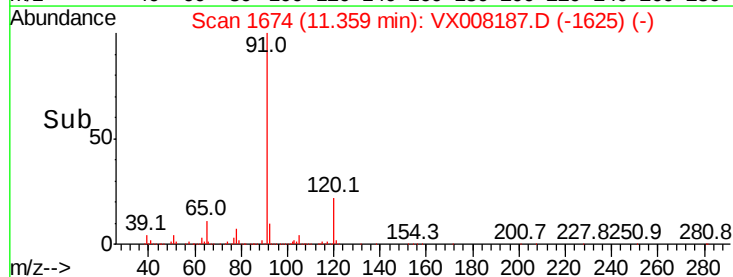
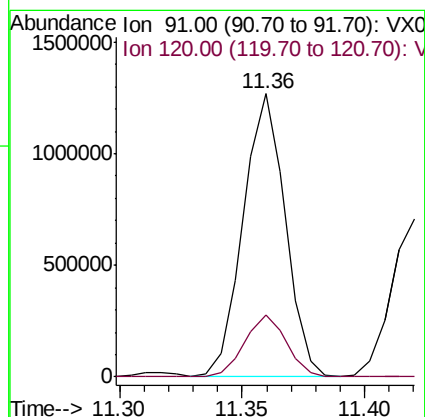
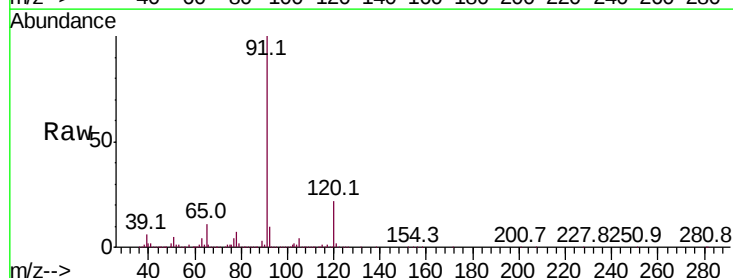
Acq: 19 Mar 2019 13:16

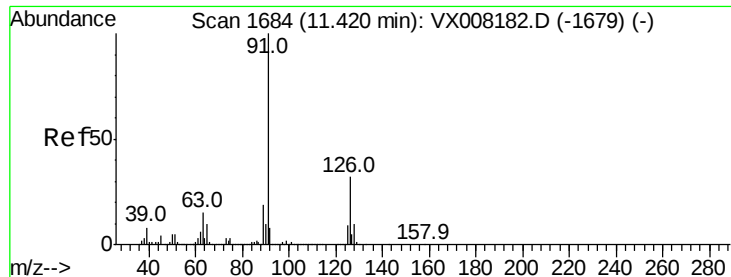
Tgt Ion: 91 Resp: 1511713

Ion Ratio Lower Upper

91 100

120 21.8 12.0 36.0





#79

2-Chlorotoluene

Concen: 54.703 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

ClientSampled :

ICVVX031919

Tot Ion: 91 Resp: 865862

Ion Ratio Lower Upper

91 100

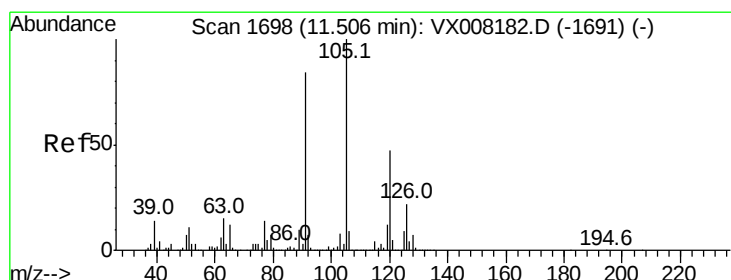
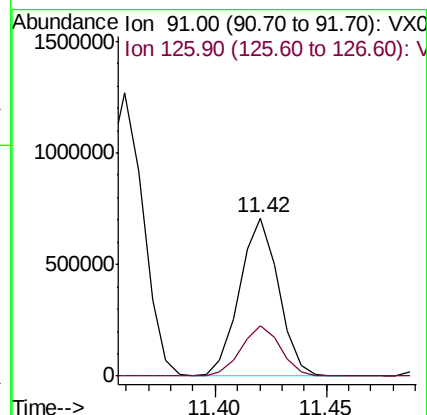
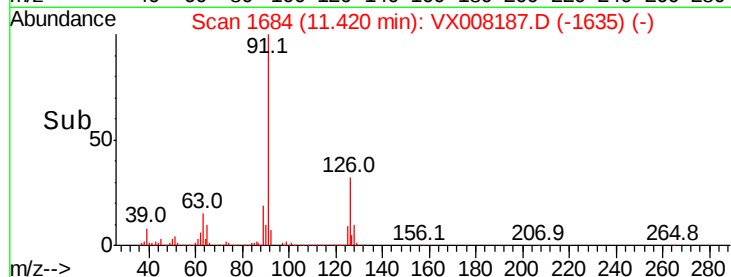
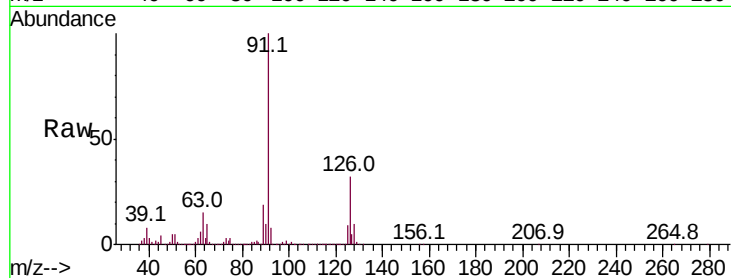
126 32.2 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 55.979 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008187.D

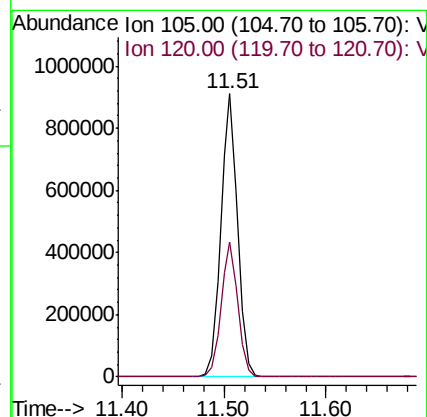
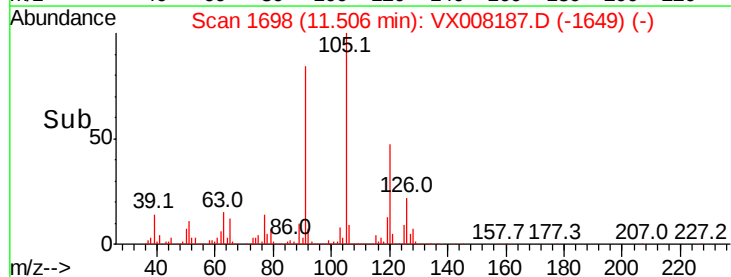
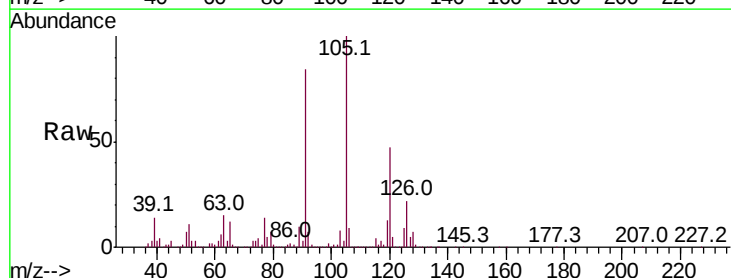
Acq: 19 Mar 2019 13:16

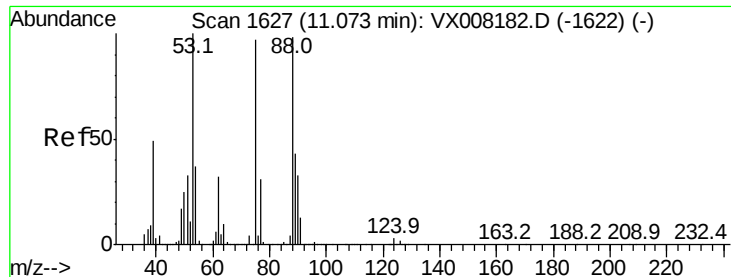
Tgt Ion: 105 Resp: 1050073

Ion Ratio Lower Upper

105 100

120 47.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 51.210 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031919

Tot Ion: 75 Resp: 144022

Ion Ratio Lower Upper

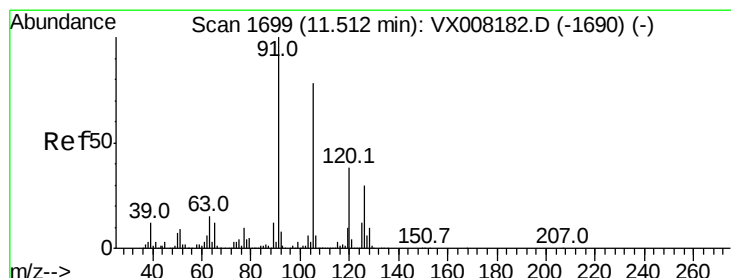
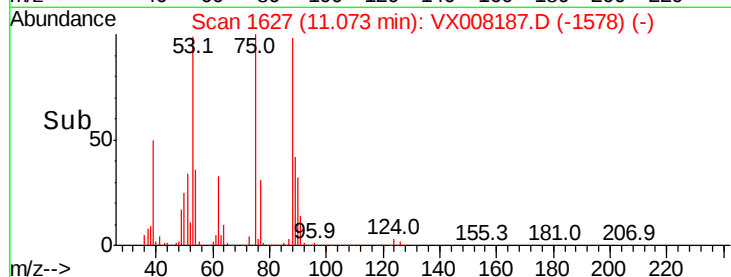
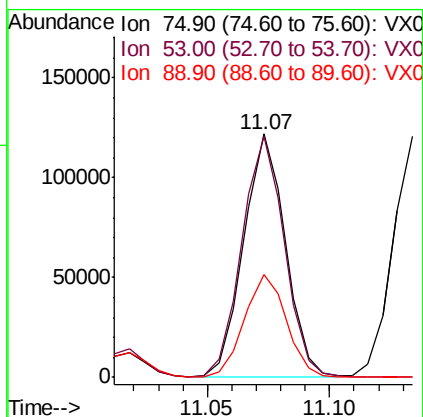
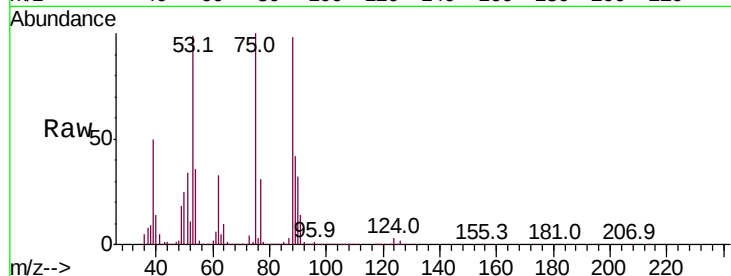
75 100

53 100.8 76.1 114.1

89 42.9 36.3 54.5

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#82

4-Chlorotoluene

Concen: 55.118 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008187.D

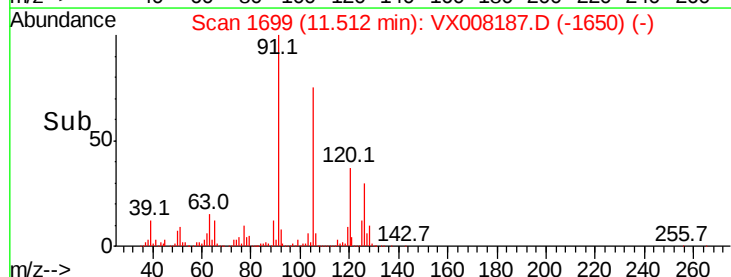
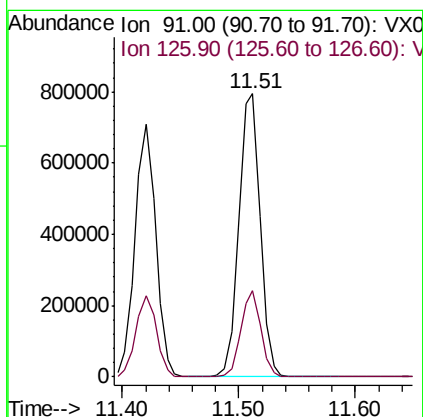
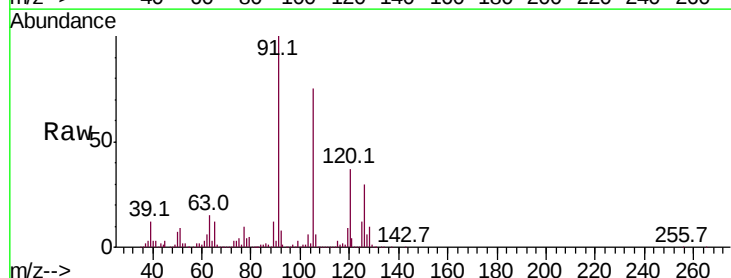
Acq: 19 Mar 2019 13:16

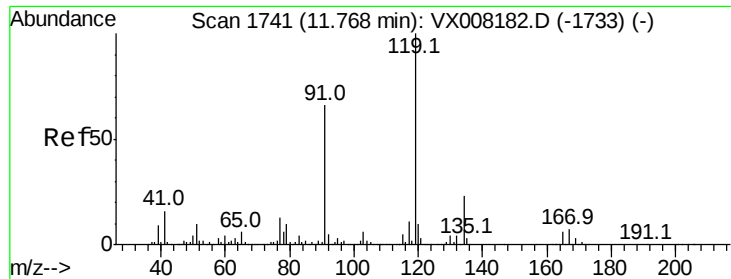
Tgt Ion: 91 Resp: 1015204

Ion Ratio Lower Upper

91 100

126 28.5 15.6 46.8





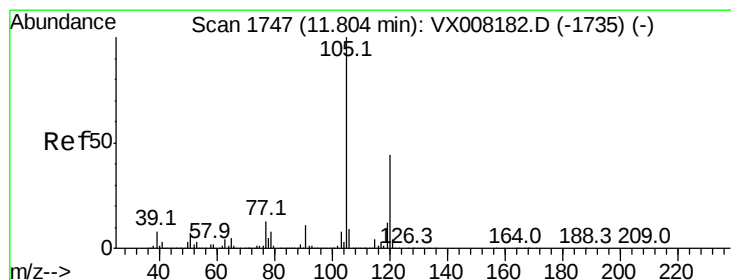
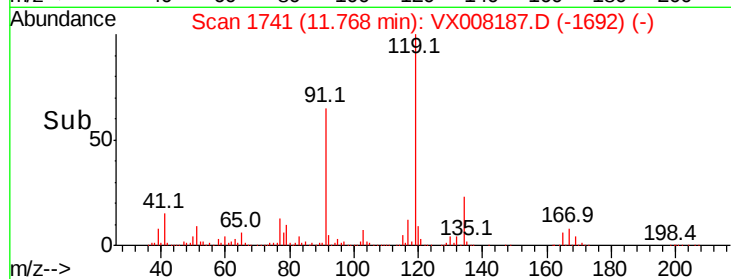
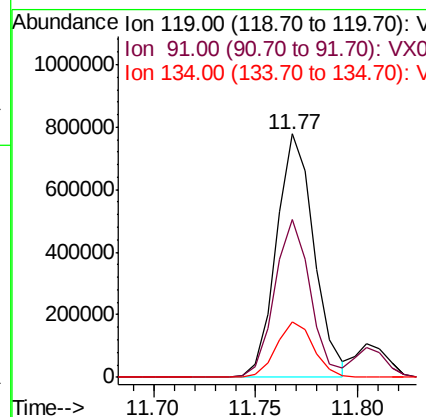
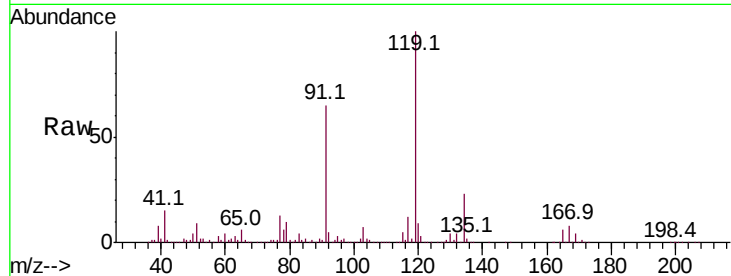
#83
tert-Butylbenzene
Concen: 55.826 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031919

Tot Ion	Ratio	Resp	Lower	Upper
119	100	999801		
91	61.6	27.1	81.3	
134	22.3	11.4	34.1	

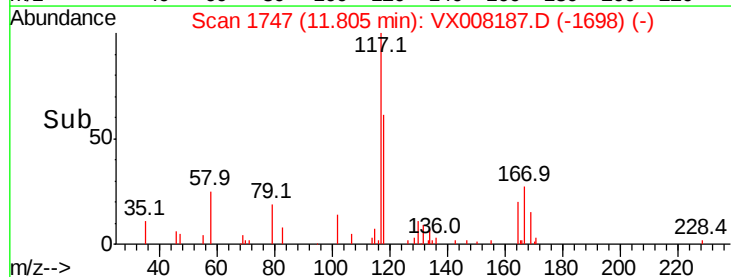
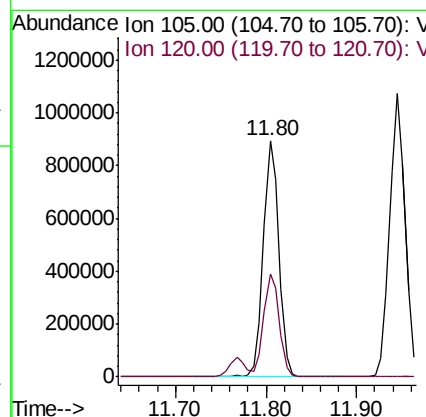
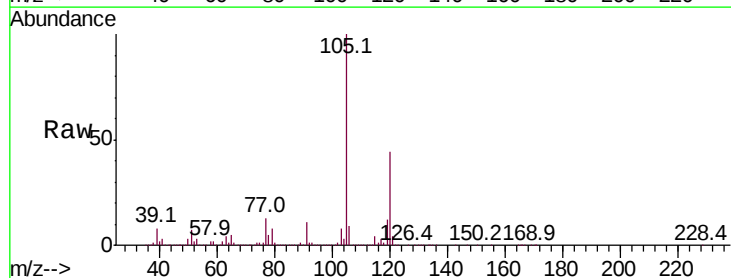
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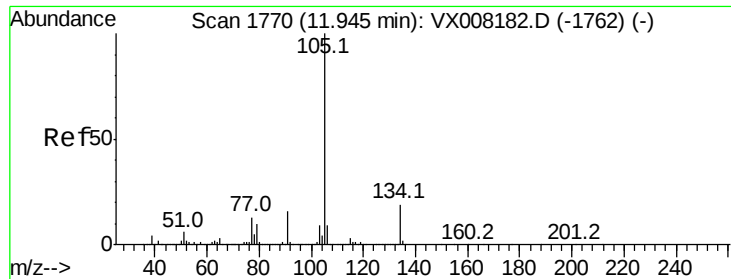
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#84
1,2,4-Trimethylbenzene
Concen: 55.967 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1064322		
120	43.3	22.6	67.7	





#85

sec-Butylbenzene

Concen: 56.987 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031919

Tot Ion:105 Resp: 1263880

Ion Ratio Lower Upper

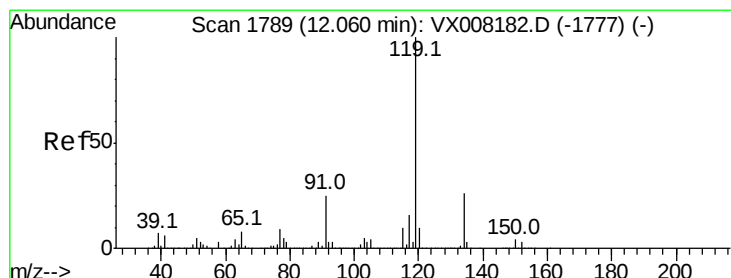
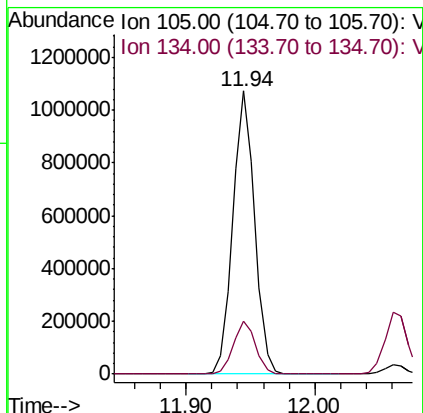
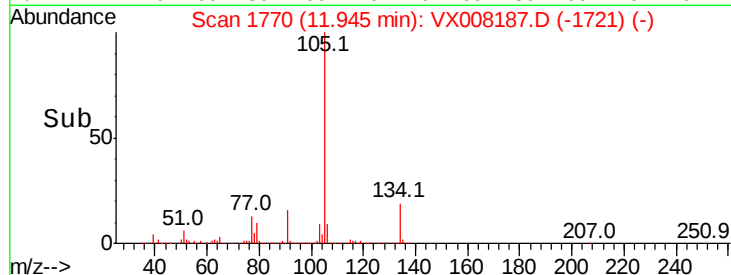
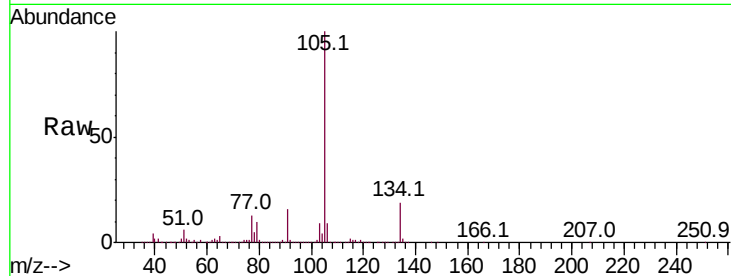
105 100

134 19.1 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 57.044 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

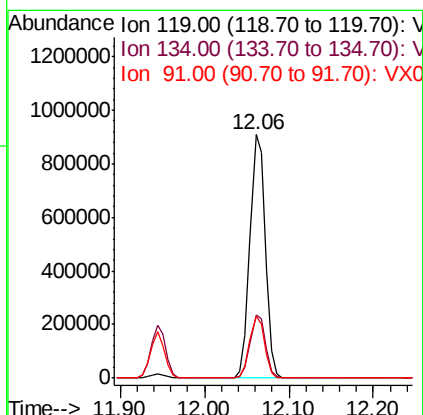
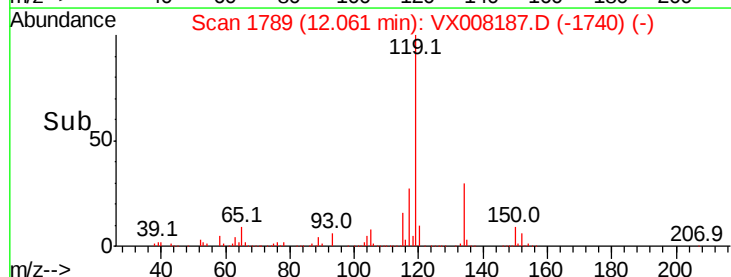
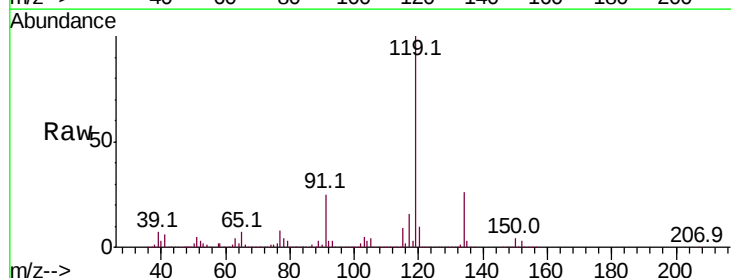
Tgt Ion:119 Resp: 1095102

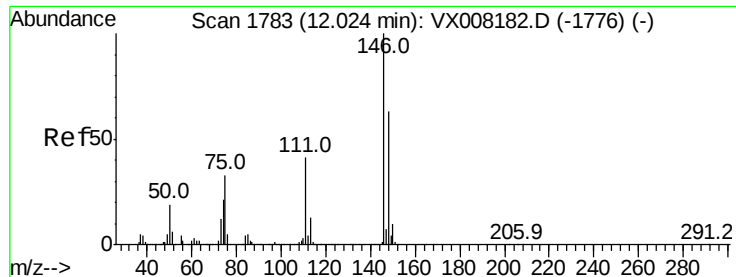
Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.9

91 24.7 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 54.413 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Instrument :

MSVOA_X

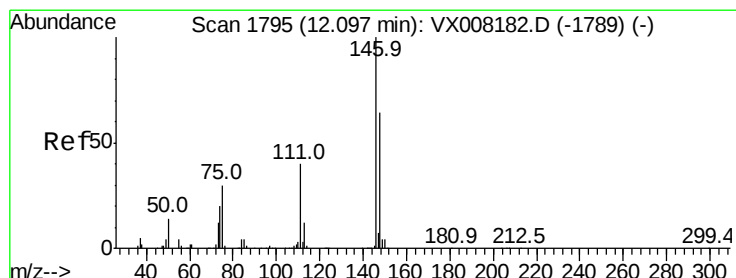
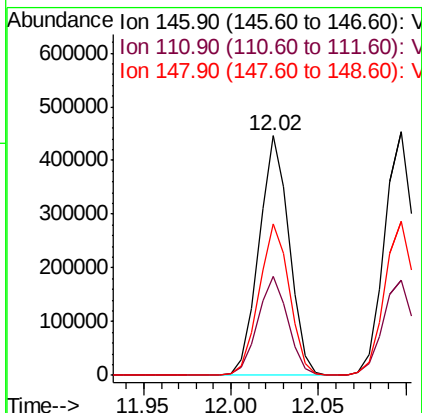
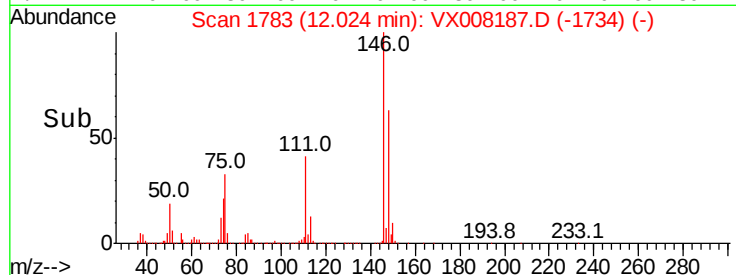
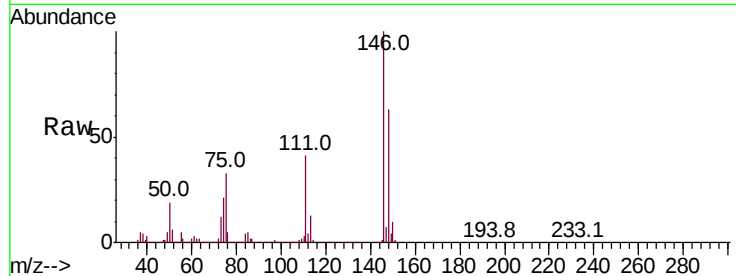
ClientSampleId :

ICVVX031919

Tot Ion:	146	Resp:	533846
Ion Ratio	Lower	Upper	
146	100		
111	41.2	18.9	56.7
148	63.8	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 52.594 ug/l

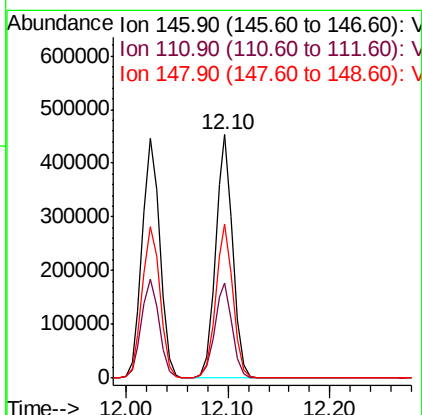
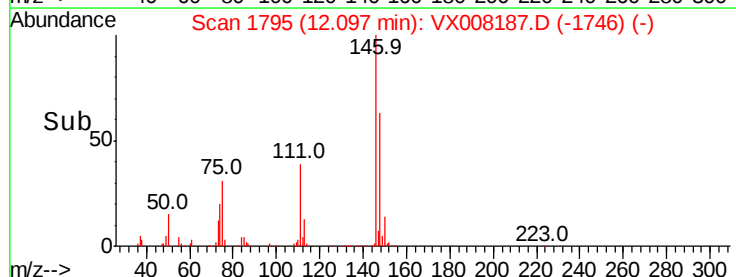
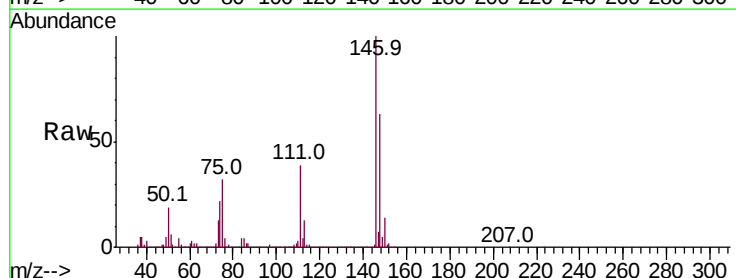
RT: 12.10 min Scan# 1795

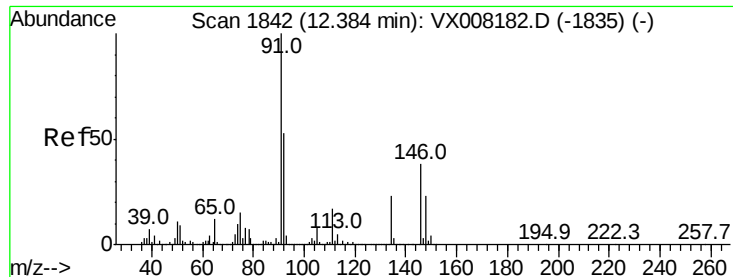
Delta R.T. 0.00 min

Lab File: VX008187.D

Acq: 19 Mar 2019 13:16

Tgt Ion:	146	Resp:	533735
Ion Ratio	Lower	Upper	
146	100		
111	40.0	18.4	55.0
148	63.9	32.2	96.6





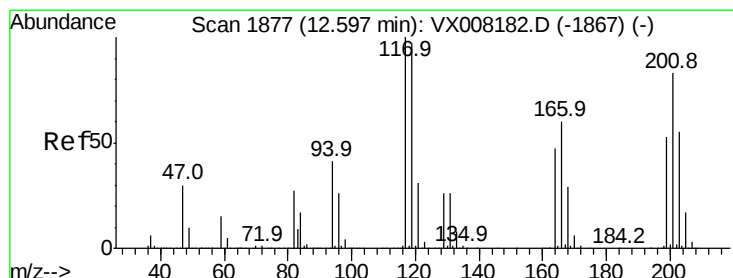
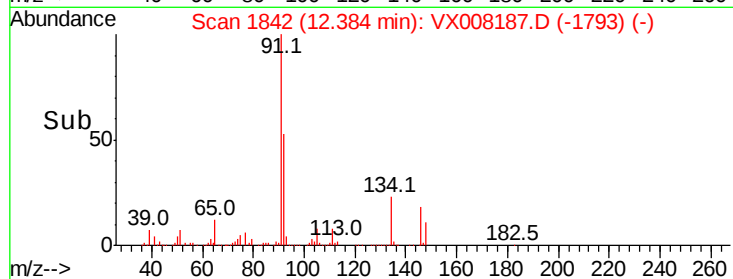
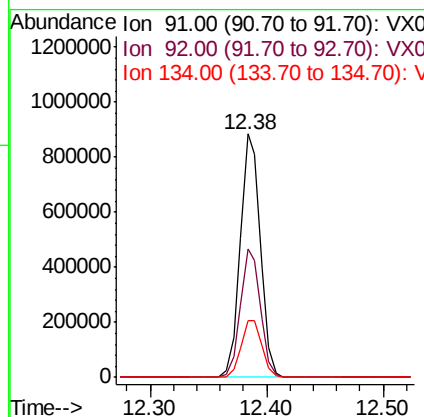
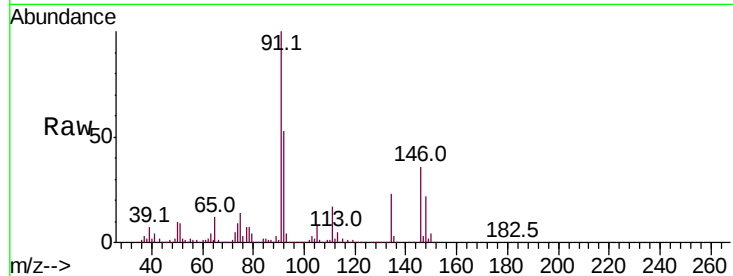
#89
n-Butylbenzene
Concen: 58.856 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031919

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.0	80.8
134	24.0	13.7	41.0

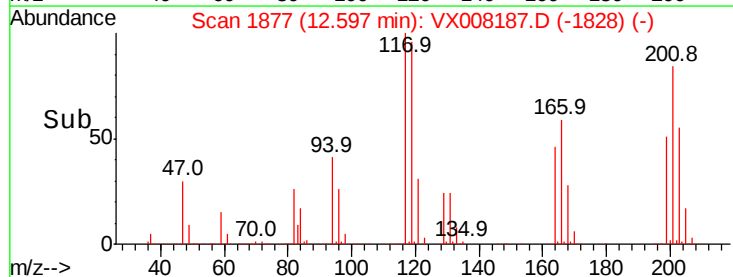
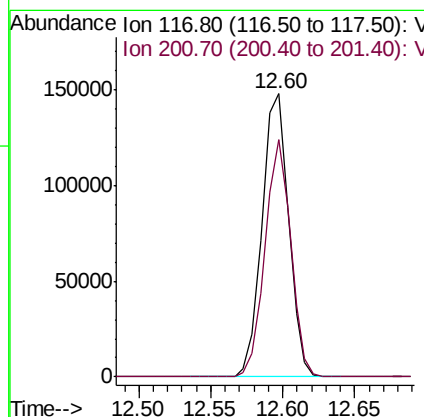
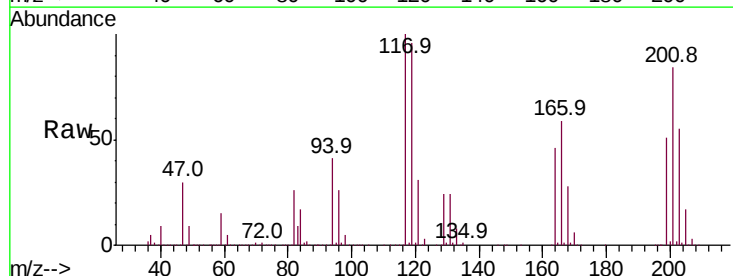
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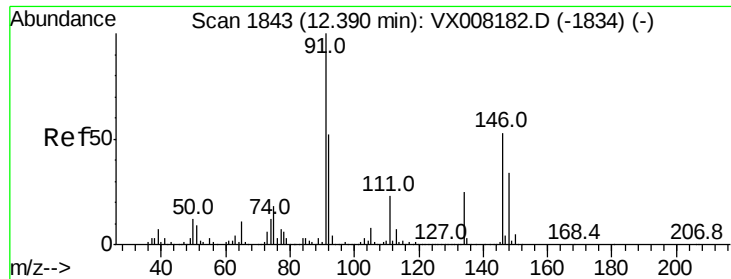
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#90
Hexachloroethane
Concen: 57.665 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.8	48.9	146.7





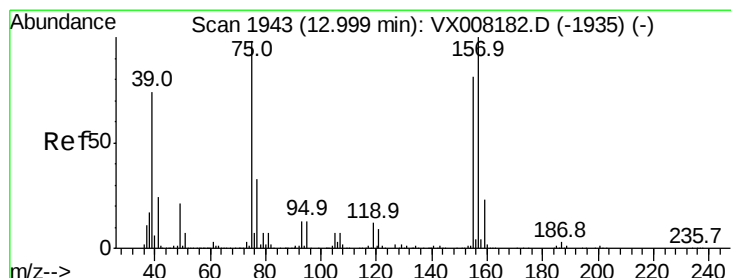
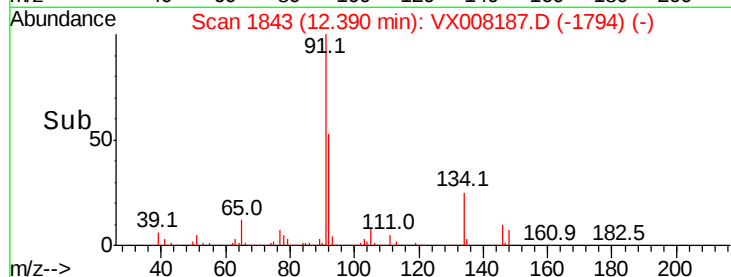
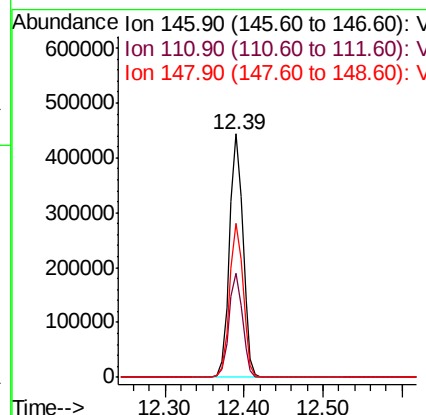
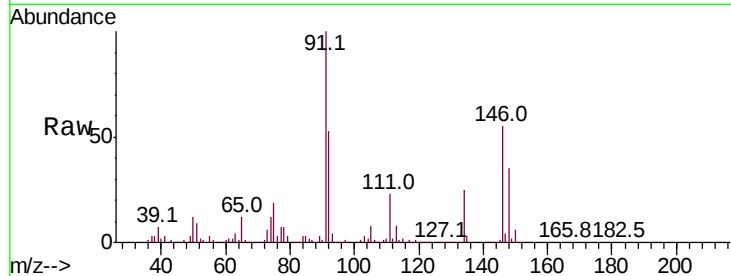
#91
 1,2-Dichlorobenzene
 Concen: 53.172 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008187.D
 Acq: 19 Mar 2019 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX031919

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	19.6	58.8
148	63.7	31.9	95.5

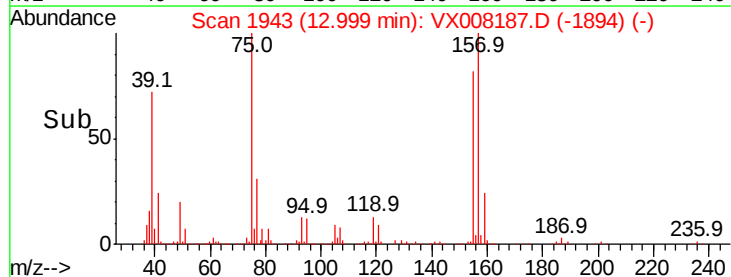
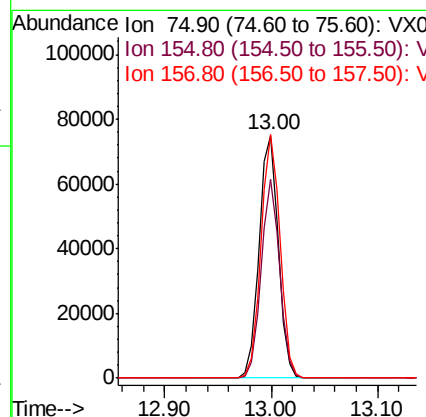
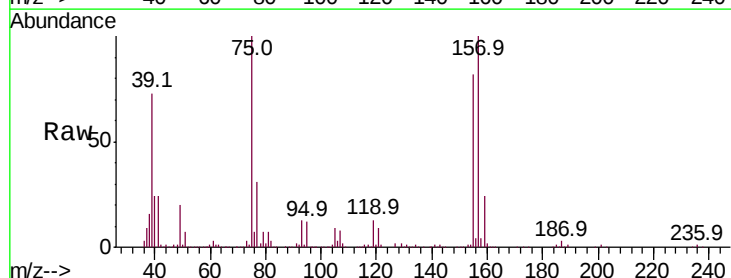
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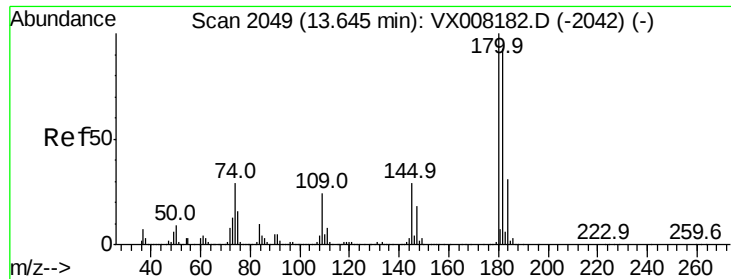
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.564 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008187.D
 Acq: 19 Mar 2019 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	49.7	149.1
157	99.6	63.8	191.4





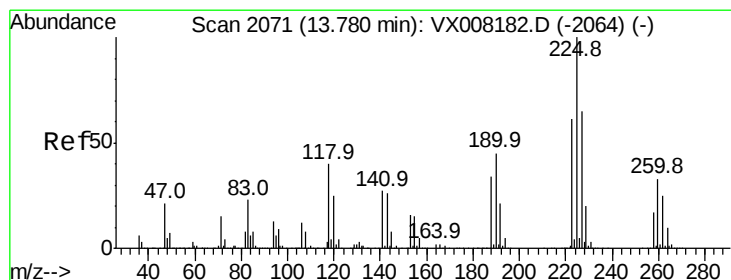
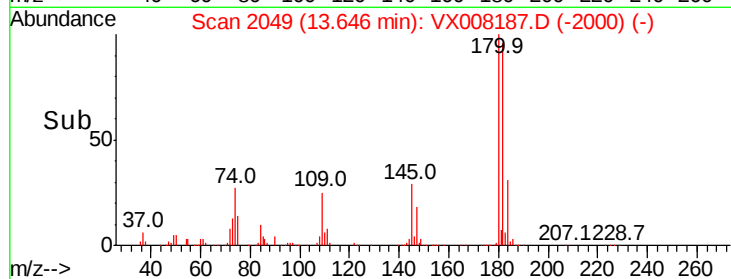
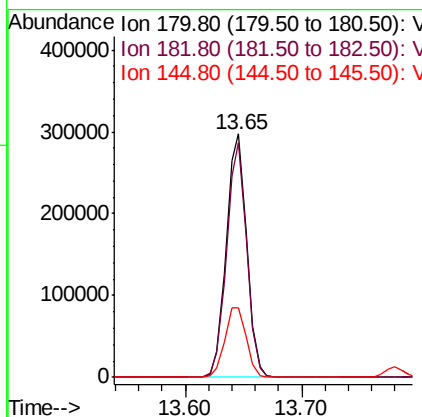
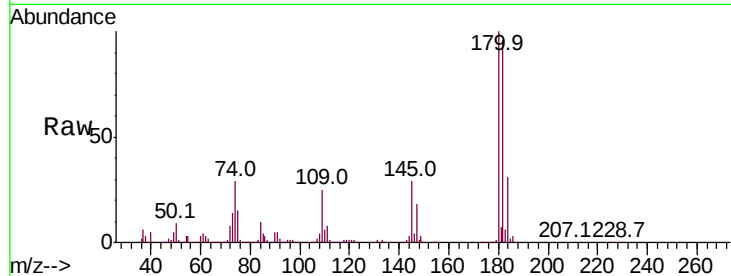
#93
 1,2,4-Trichlorobenzene
 Concen: 55.249 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008187.D
 Acq: 19 Mar 2019 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX031919

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.6	47.9	143.7	
145	30.1	14.1	42.4	

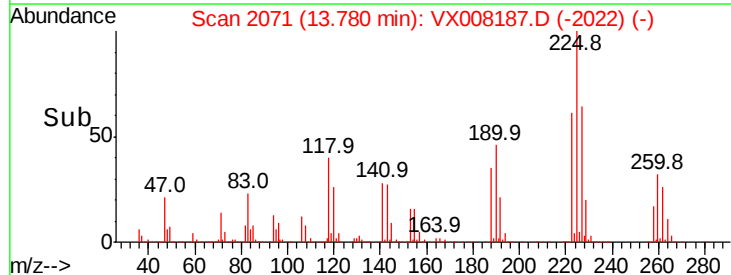
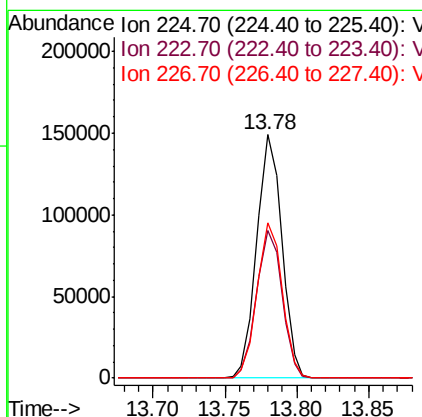
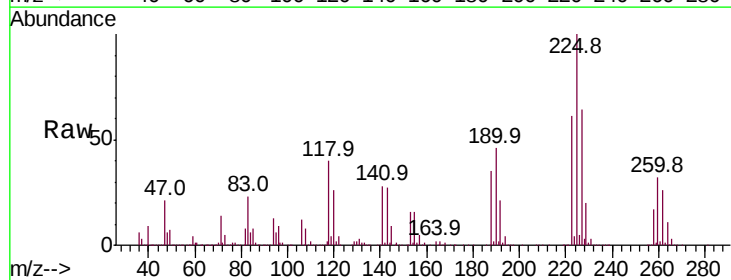
Manual Integrations
 APPROVED

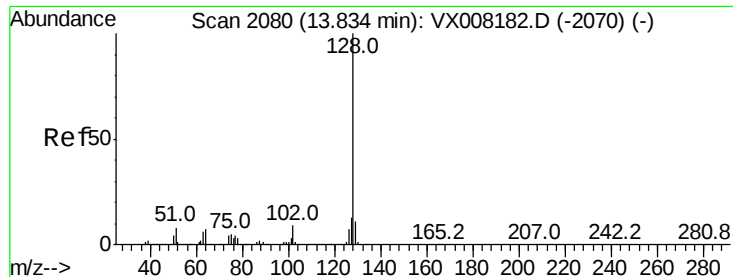
MMDadoda
 3/20/2019 10:28:27 AM



#94
 Hexachlorobutadiene
 Concen: 56.501 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008187.D
 Acq: 19 Mar 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.5	31.1	93.2	
227	63.9	32.0	96.0	





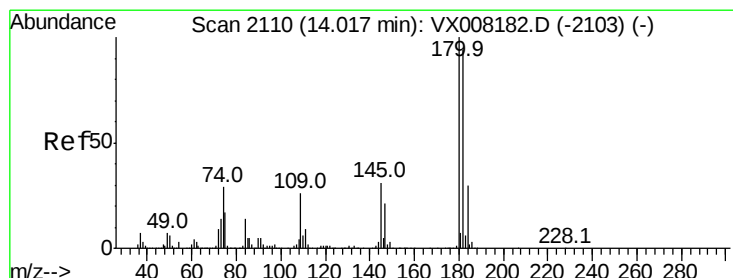
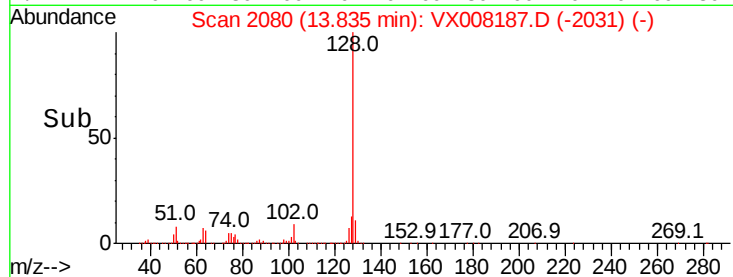
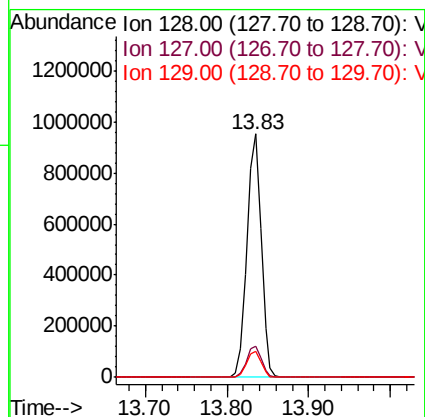
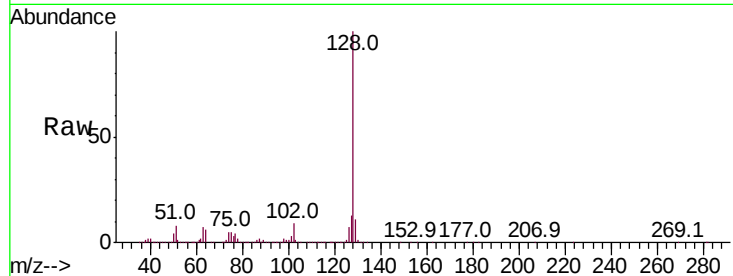
#95
Naphthalene
Concen: 55.722 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031919

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/20/2019 10:28:27 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.812 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008187.D
Acq: 19 Mar 2019 13:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.5
145	32.2	14.8	44.3

