

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012835.D
 Acq On : 07 Oct 2019 14:03
 Operator : JC/SP
 Sample : K5213-01ME
 Misc : 5.00µg/10mL/100µL/10mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 08 11:11:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	152929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	258621	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	223516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	94330	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	98669	44.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.62%	
35) Dibromofluoromethane	5.49	113	73488	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
50) Toluene-d8	8.71	98	308576	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	11.14	95	106575	45.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.40%	

Target Compounds

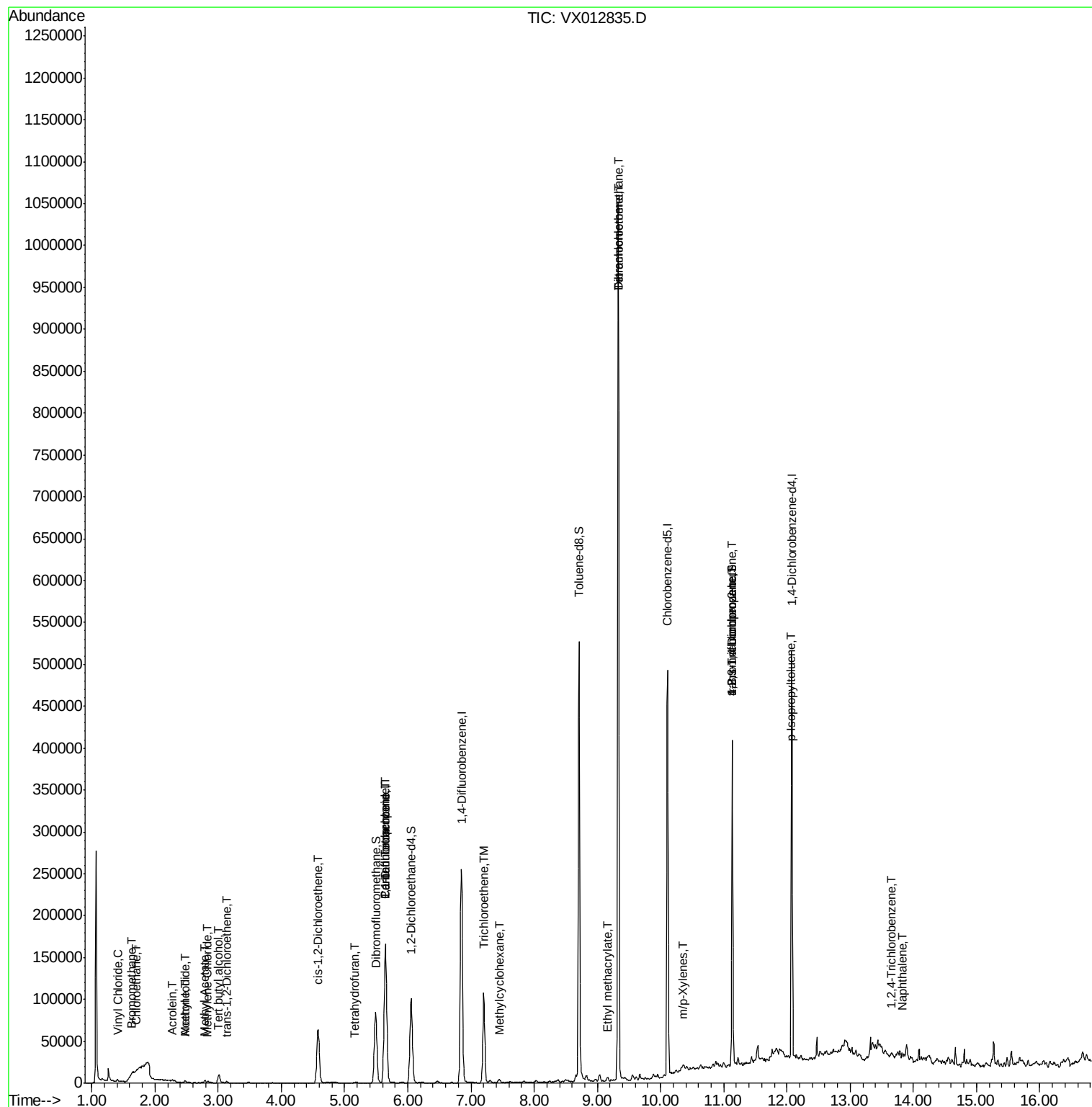
						Qvalue
4) Vinyl Chloride	1.41	62	2135	1.087	ug/l #	78
5) Bromomethane	1.62	94	560	0.725	ug/l #	32
6) Chloroethane	1.70	64	312	0.236	ug/l #	85
10) Methyl Iodide	2.47	142	676	5.297	ug/l	89
11) Tert butyl alcohol	3.01	59	6431	11.560	ug/l #	73
13) Acrolein	2.27	56	166	10.747	ug/l #	15
16) Acetone	2.48	43	2361	2.002	ug/l	100
18) Methyl Acetate	2.78	43	3555	1.280	ug/l	92
20) Methylene Chloride	2.83	84	833	0.418	ug/l #	72
21) trans-1,2-Dichloroethene	3.13	96	721	0.396	ug/l #	91
27) cis-1,2-Dichloroethene	4.58	96	41292	19.536	ug/l	83
29) Tetrahydrofuran	5.17	42	886	0.859	ug/l #	39
36) 1,1-Dichloropropene	5.64	75	12453	4.996	ug/l #	51
38) Carbon Tetrachloride	5.64	117	16332	6.450	ug/l #	14
39) Methylcyclohexane	7.45	83	1837	0.612	ug/l #	83
44) Trichloroethene	7.20	130	40757	21.736	ug/l	98
56) Ethyl methacrylate	9.17	69	939	0.305	ug/l	97
60) Dibromochloromethane	9.33	129	193422	104.255	ug/l #	11
64) Tetrachloroethene	9.33	164	194405	124.747	ug/l	97
68) m/p-Xylenes	10.36	106	1326	0.415	ug/l #	58
76) 1,2,3-Trichloropropane	11.14	75	53548	21.460	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	53548	61.499	ug/l #	8
86) p-Isopropyltoluene	12.06	119	1942	0.298	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.65	180	407	0.213	ug/l #	12
95) Naphthalene	13.83	128	1596	0.231	ug/l #	65

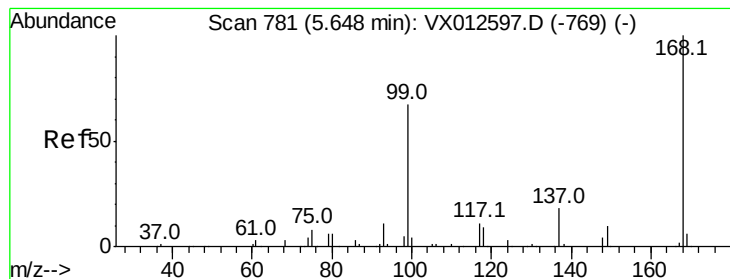
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 08 11:11:33 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012835.D

Acq: 07 Oct 2019 14:03

Instrument :

MSVOA_X

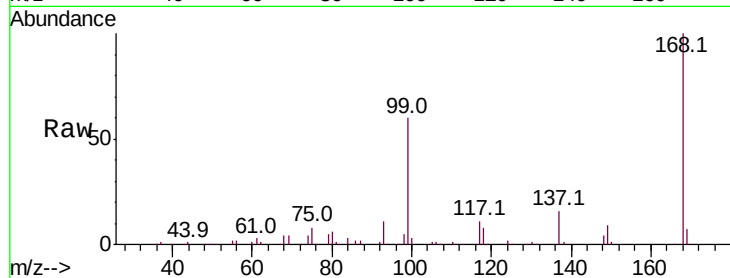
ClientSampleId :

Tot Ion:168 Resp: 152929

Ion Ratio Lower Upper

168 100

99 59.6 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

60000

50000

40000

30000

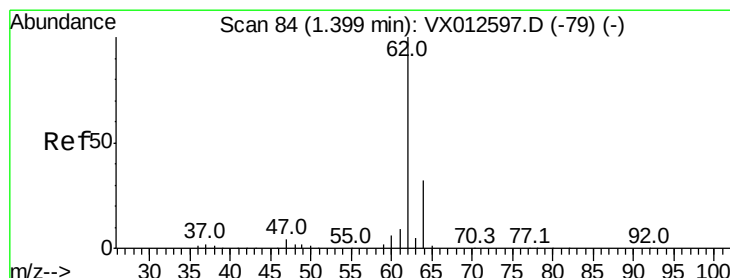
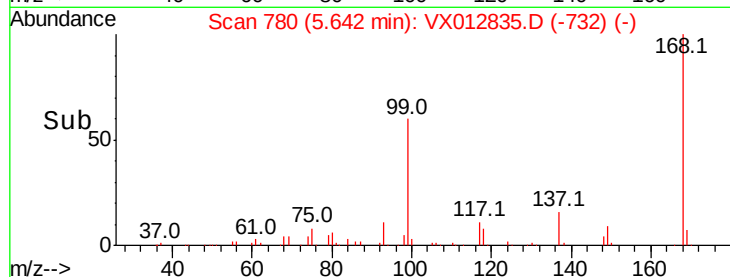
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 1.087 ug/l

RT: 1.41 min Scan# 85

Delta R.T. 0.01 min

Lab File: VX012835.D

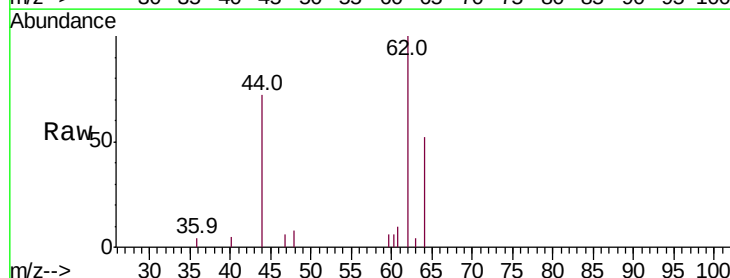
Acq: 07 Oct 2019 14:03

Tgt Ion: 62 Resp: 2135

Ion Ratio Lower Upper

62 100

64 42.2 24.2 36.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

1500

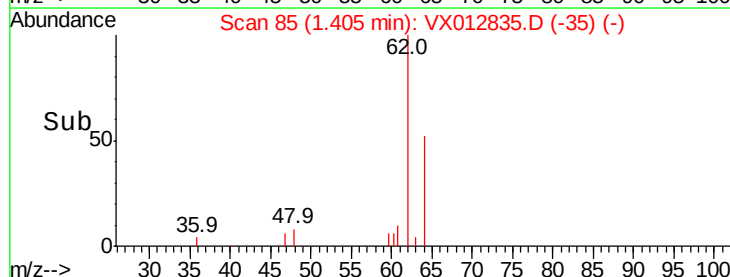
1000

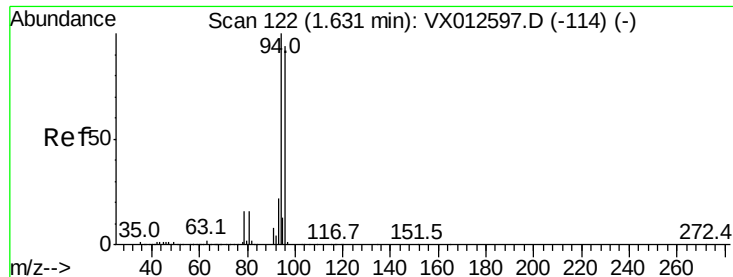
500

0

Time-->

1.35 1.40 1.45





#5

Bromomethane

Concen: 0.725 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012835.D

Acq: 07 Oct 2019 14:03

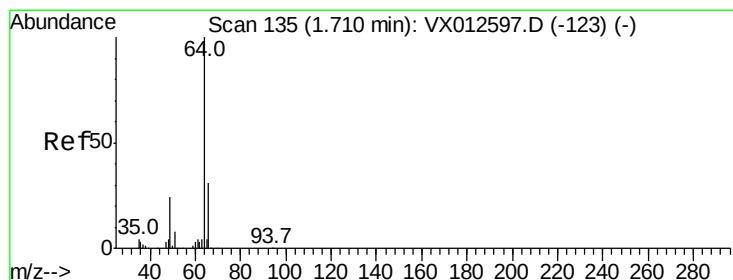
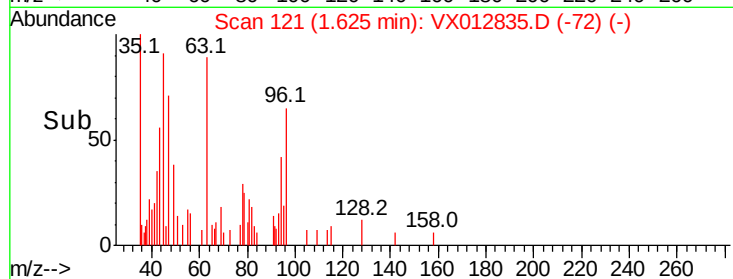
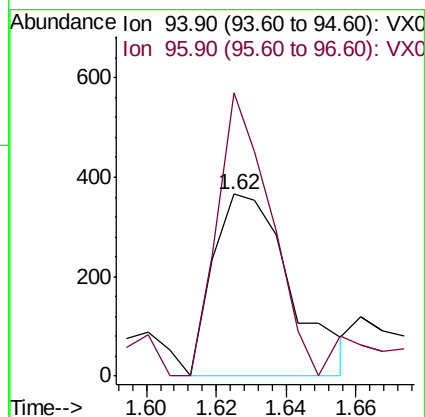
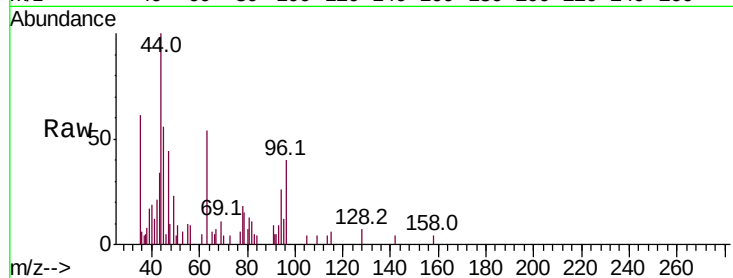
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 560

Ion Ratio Lower Upper

94 100

96 155.5 72.8 109.2#



#6

Chloroethane

Concen: 0.236 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012835.D

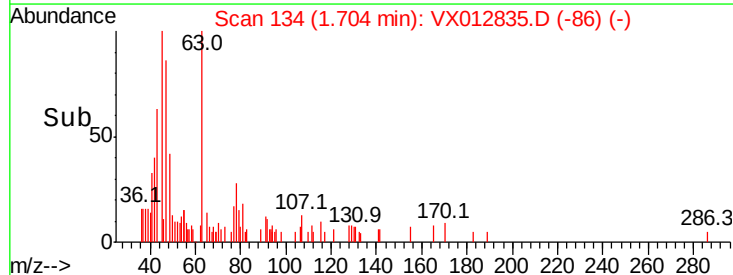
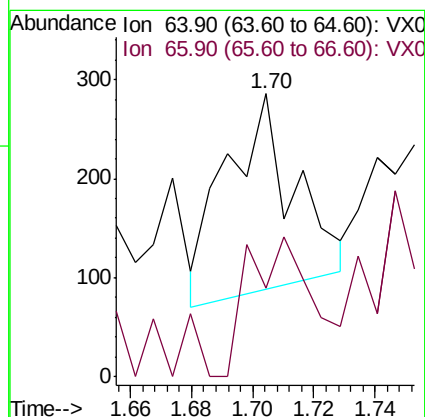
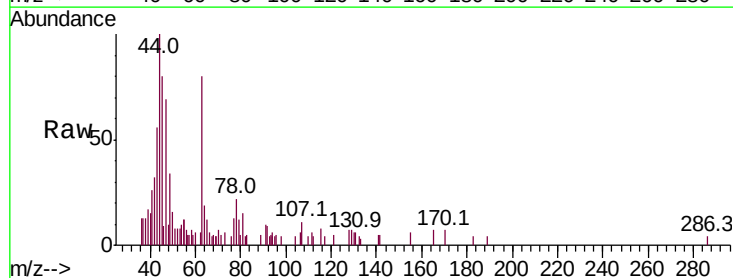
Acq: 07 Oct 2019 14:03

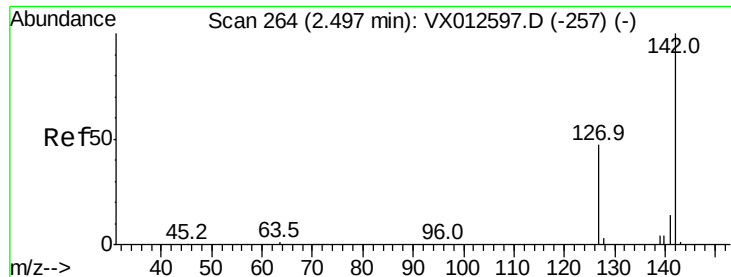
Tgt Ion: 64 Resp: 312

Ion Ratio Lower Upper

64 100

66 21.7 24.0 36.0#

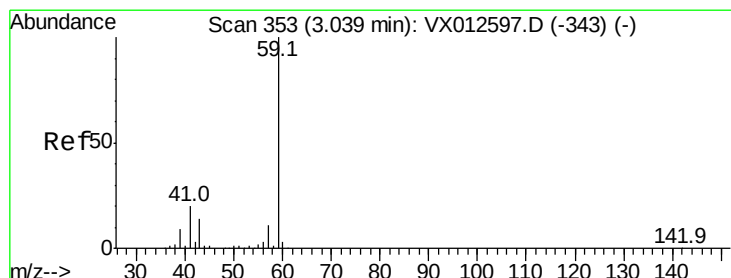
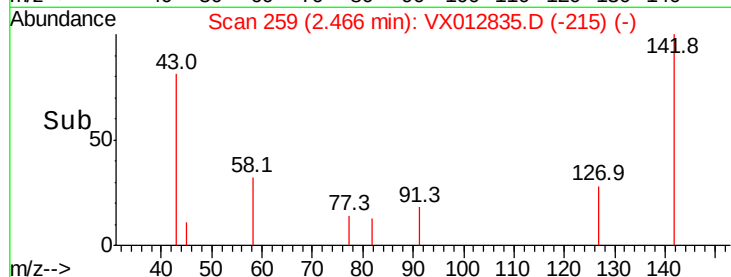
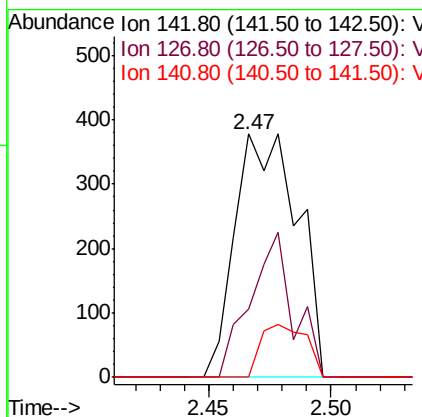
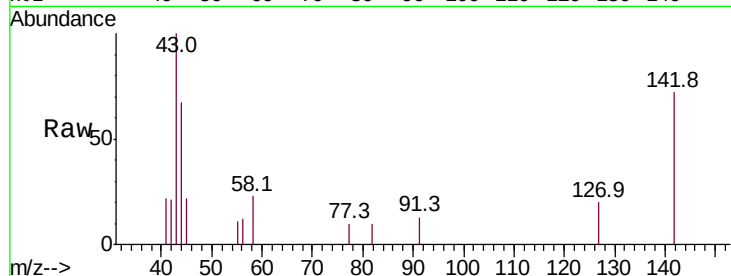




#10
Methvl Iodide
Concen: 5.297 ug/l
RT: 2.47 min Scan# 259
Delta R.T. -0.03 min
Lab File: VX012835.D
Acq: 07 Oct 2019 14:03

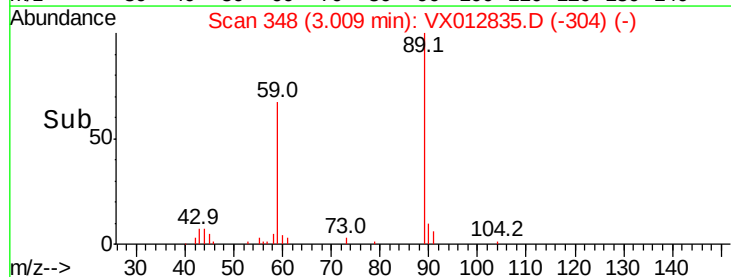
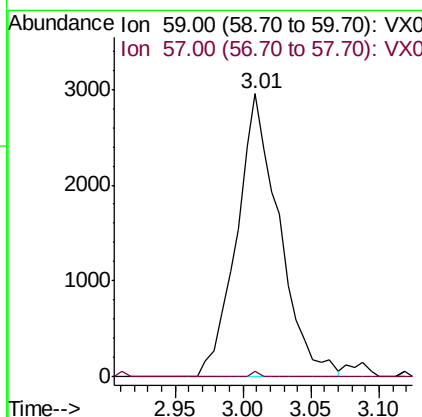
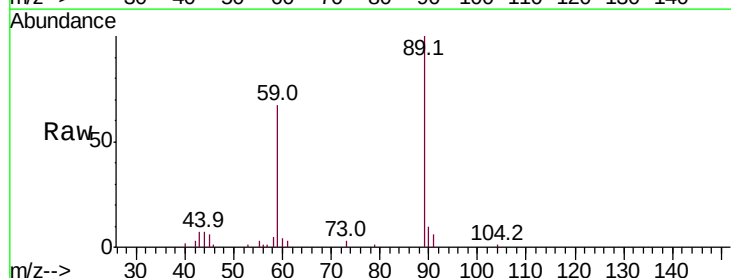
Instrument :
MSVOA_X
ClientSampleId :

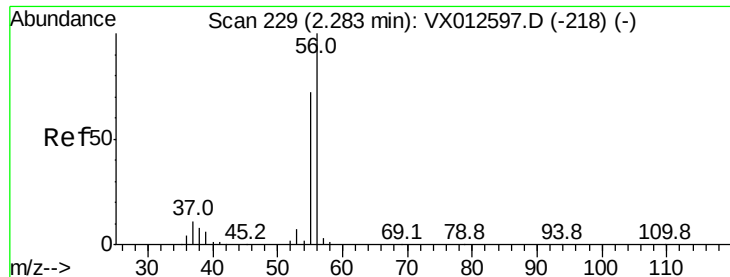
Tot Ion:142 Resp: 676
Ion Ratio Lower Upper
142 100
127 41.0 40.8 61.2
141 15.7 12.1 18.1



#11
Tert butyl alcohol
Concen: 11.560 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012835.D
Acq: 07 Oct 2019 14:03

Tgt Ion: 59 Resp: 6431
Ion Ratio Lower Upper
59 100
57 0.3 8.3 12.5#





#13

Acrolein

Concen: 10.747 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX012835.D

Acq: 07 Oct 2019 14:03

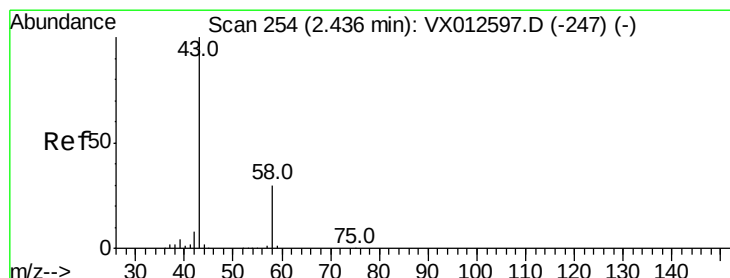
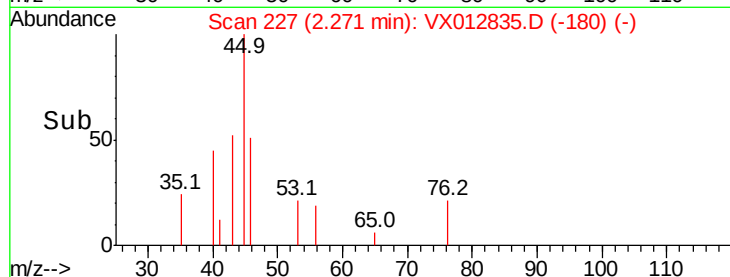
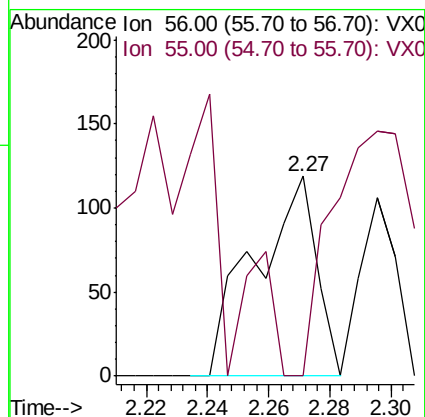
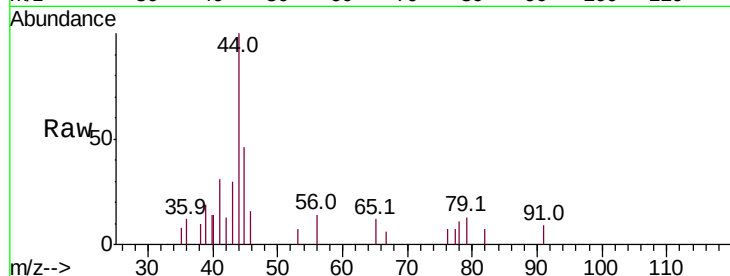
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 166

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: 2.002 ug/l

RT: 2.48 min Scan# 262

Delta R.T. 0.05 min

Lab File: VX012835.D

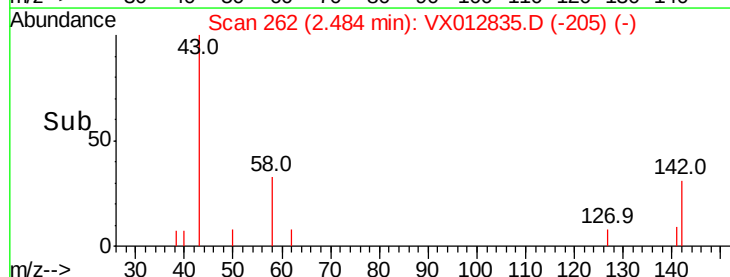
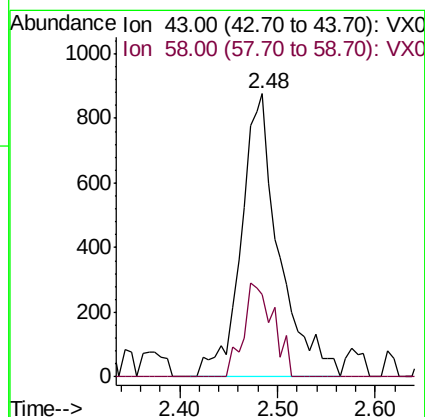
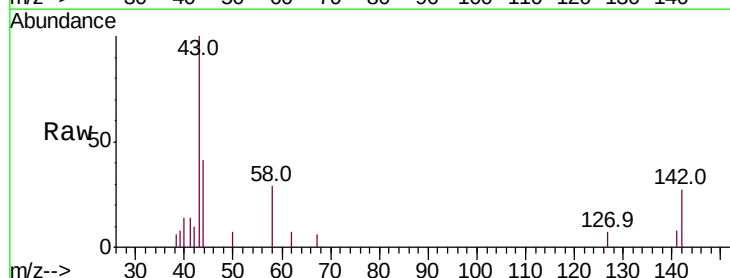
Acq: 07 Oct 2019 14:03

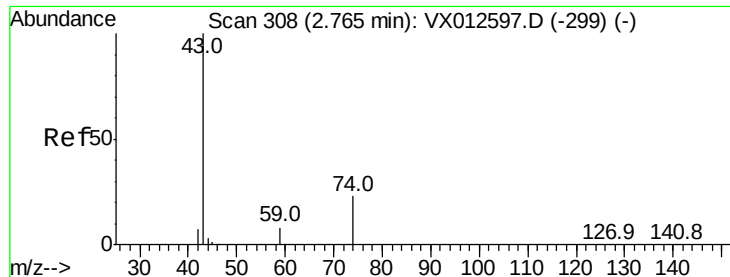
Tgt Ion: 43 Resp: 2361

Ion Ratio Lower Upper

43 100

58 29.1 23.3 34.9

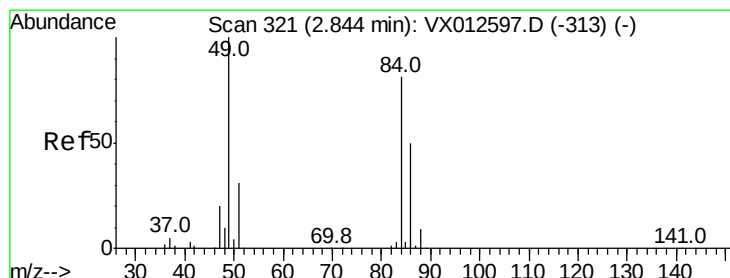
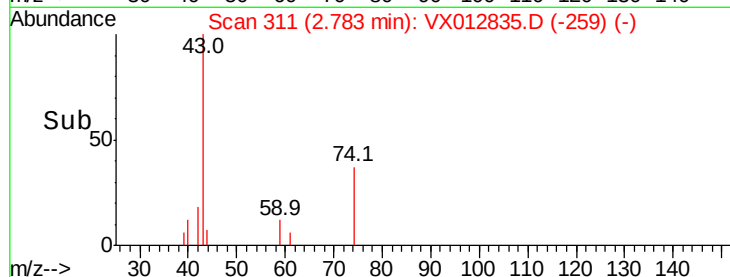
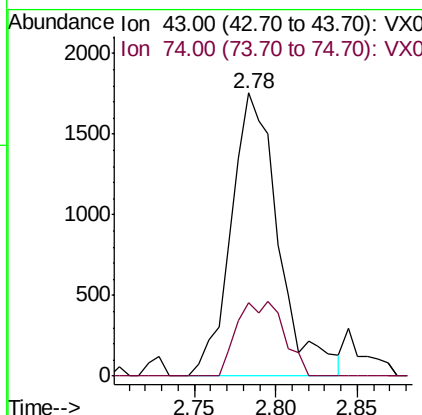
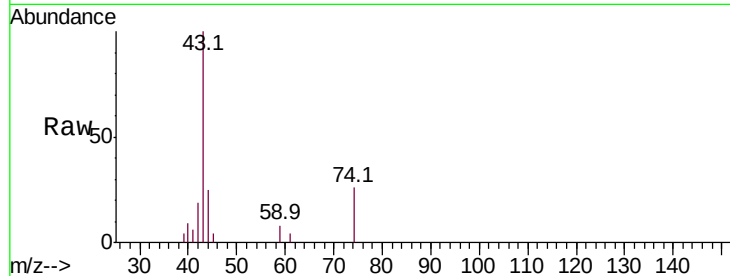




#18
Methvl Acetate
Concen: 1.280 ug/l
RT: 2.78 min Scan# 311
Delta R.T. 0.02 min
Lab File: VX012835.D
Acq: 07 Oct 2019 14:03

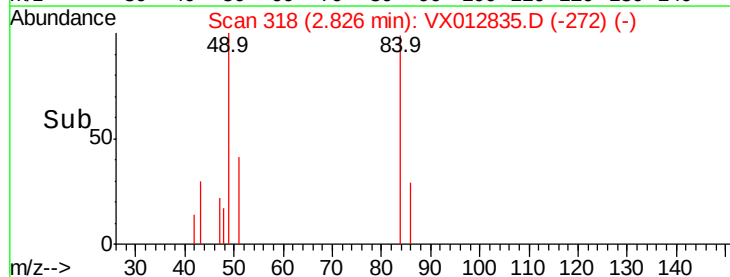
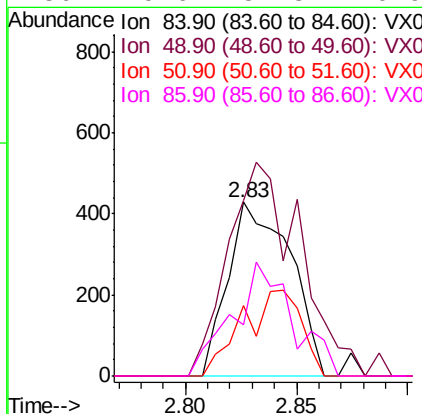
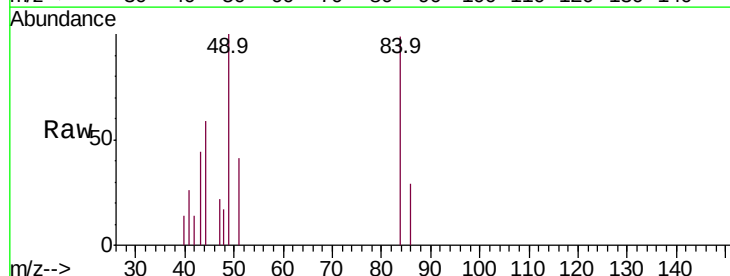
Instrument :
MSVOA_X
ClientSampleId :

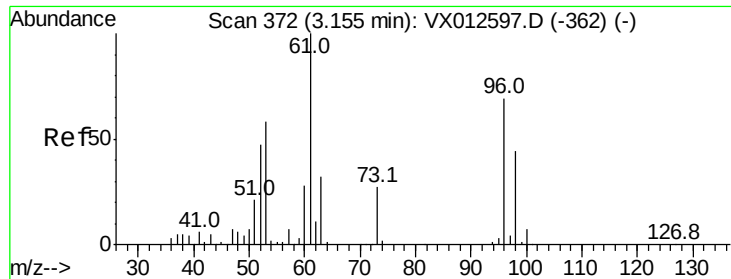
Tot Ion: 43 Resp: 3555
Ion Ratio Lower Upper
43 100
74 25.9 17.7 26.5



#20
Methylene Chloride
Concen: 0.418 ug/l
RT: 2.83 min Scan# 318
Delta R.T. -0.02 min
Lab File: VX012835.D
Acq: 07 Oct 2019 14:03

Tgt Ion: 84 Resp: 833
Ion Ratio Lower Upper
84 100
49 100.7 106.8 160.2#
51 40.8 32.3 48.5
86 29.6 51.3 76.9#





#21

trans-1,2-Dichloroethene

Concen: 0.396 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.02 min

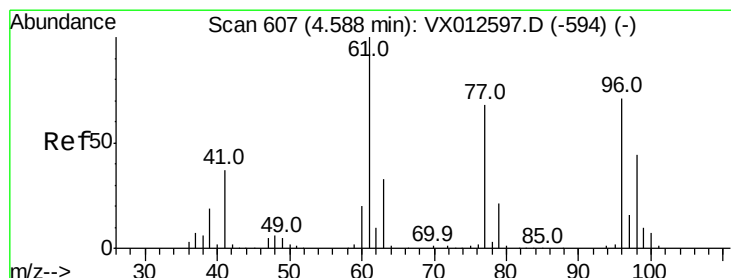
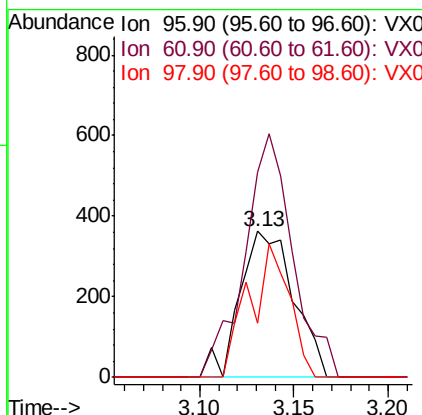
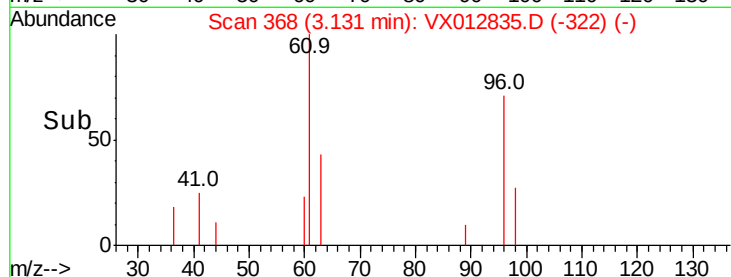
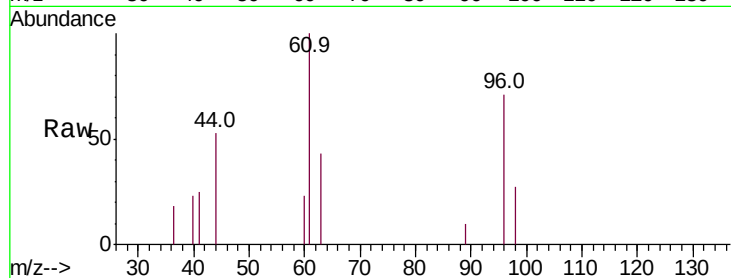
Lab File: VX012835.D

Acq: 07 Oct 2019 14:03

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 96 Resp: 721

Ion	Ratio	Lower	Upper
96	100		
61	139.9	112.0	168.0
98	37.2	47.8	71.8#



#27

cis-1,2-Dichloroethene

Concen: 19.536 ug/l

RT: 4.58 min Scan# 606

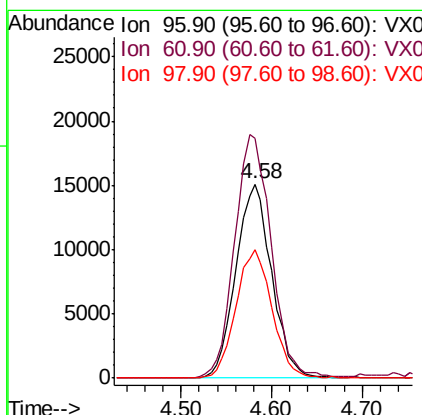
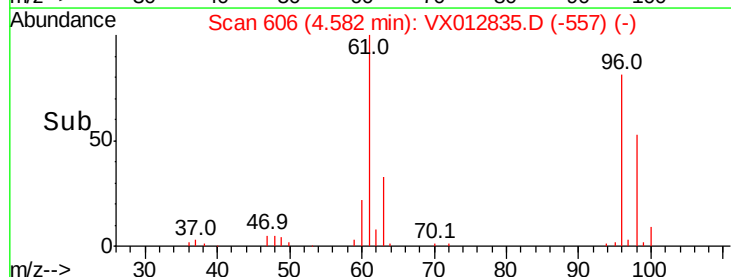
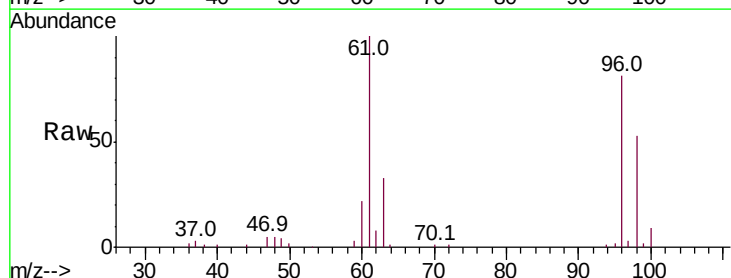
Delta R.T. 0.00 min

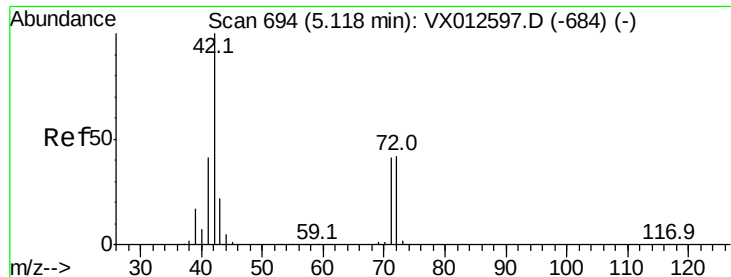
Lab File: VX012835.D

Acq: 07 Oct 2019 14:03

Tgt Ion: 96 Resp: 41292

Ion	Ratio	Lower	Upper
96	100		
61	128.3	0.0	319.4
98	66.3	0.0	130.6





#29

Tetrahydrofuran

Concen: 0.859 ug/l

RT: 5.17 min Scan# 702

Delta R.T. 0.06 min

Lab File: VX012835.D

Acq: 07 Oct 2019 14:03

Instrument :

MSVOA_X

ClientSampled :

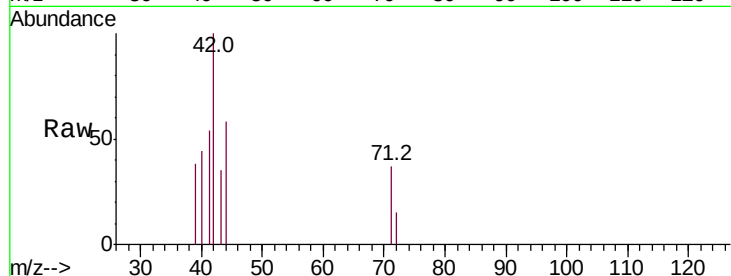
Tot Ion: 42 Resp: 886

Ion Ratio Lower Upper

42 100

72 5.1 34.0 51.0#

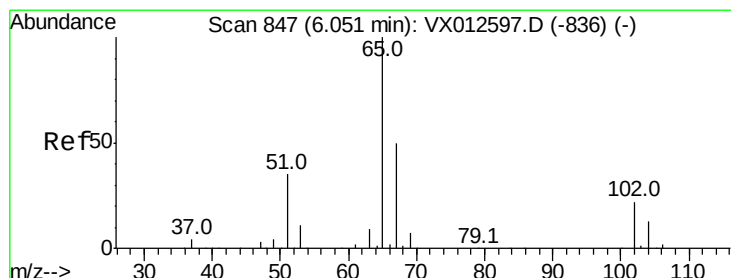
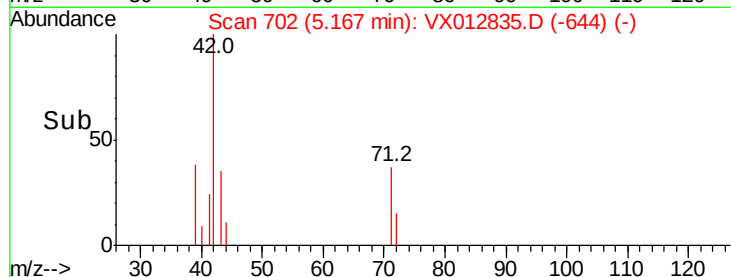
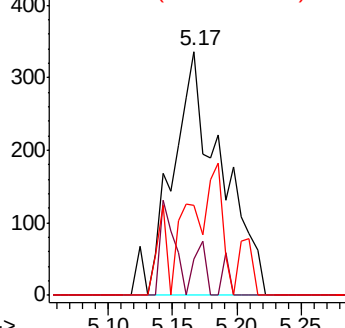
71 0.0 31.5 47.3#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 44.307 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012835.D

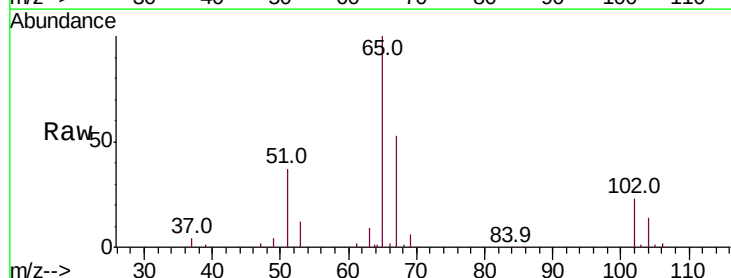
Acq: 07 Oct 2019 14:03

Tgt Ion: 65 Resp: 98669

Ion Ratio Lower Upper

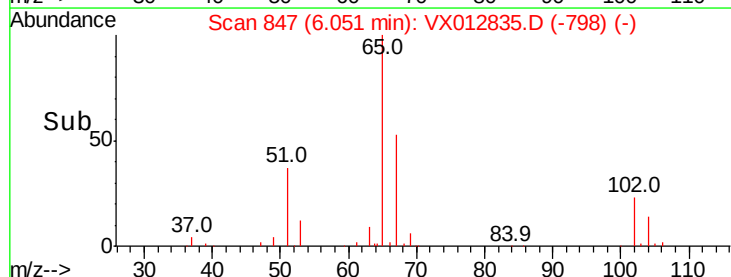
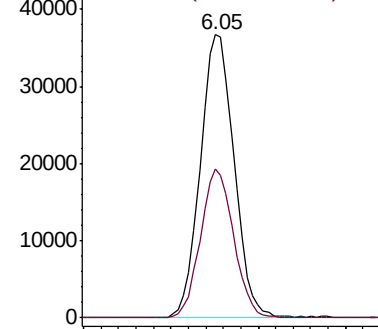
65 100

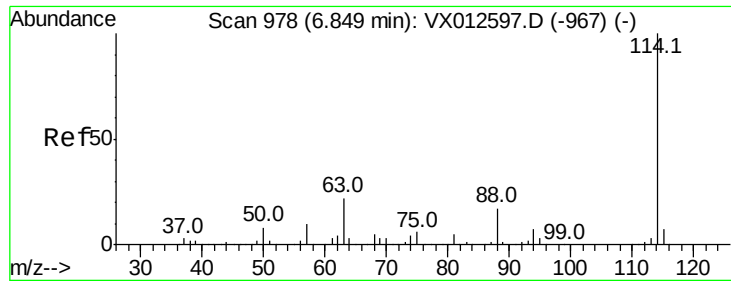
67 51.8 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

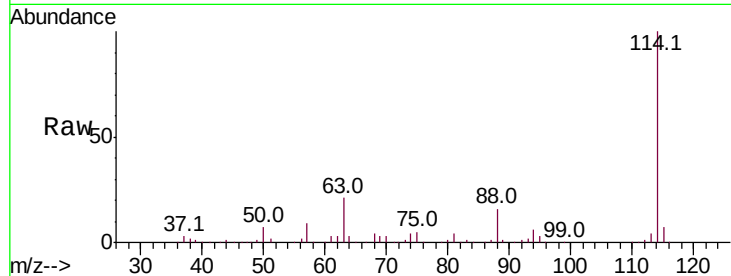




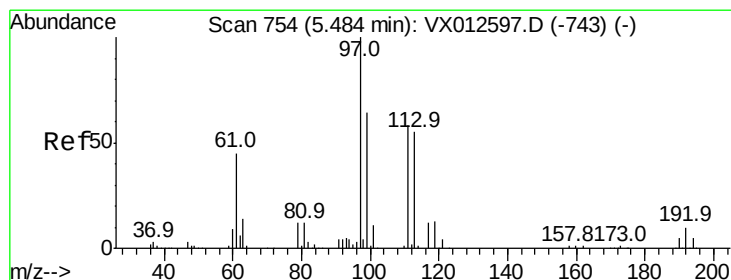
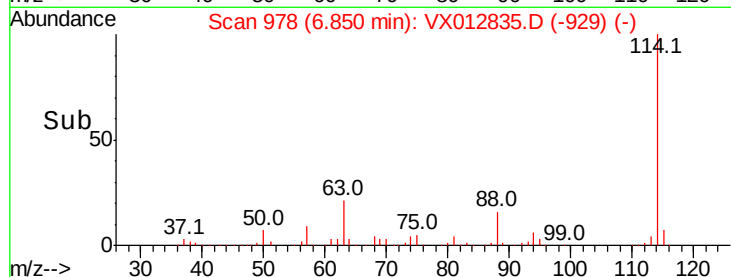
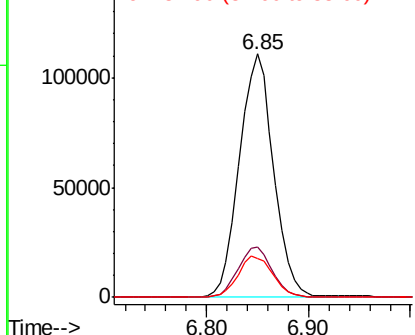
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012835.D
 Acq: 07 Oct 2019 14:03

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	43.2
88	16.1	0.0	33.2

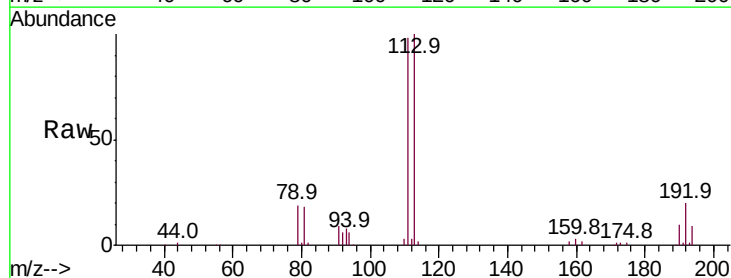


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

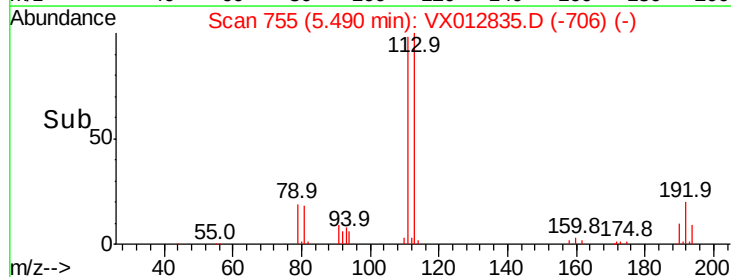
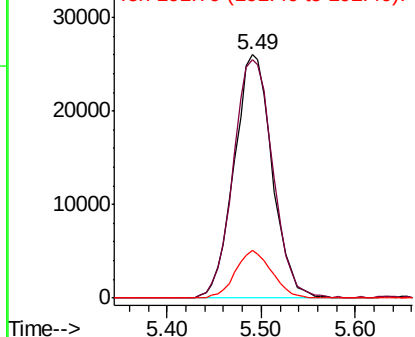


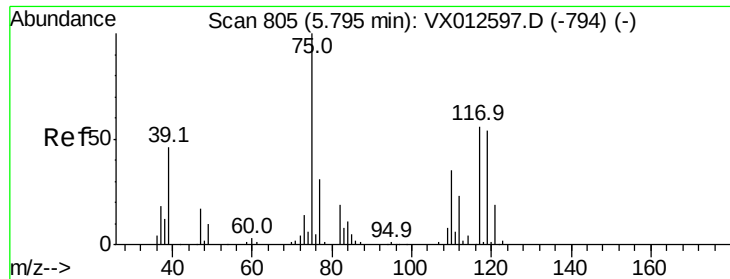
#35
 Dibromofluoromethane
 Concen: 47.713 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012835.D
 Acq: 07 Oct 2019 14:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.4	125.2
192	18.9	14.4	21.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

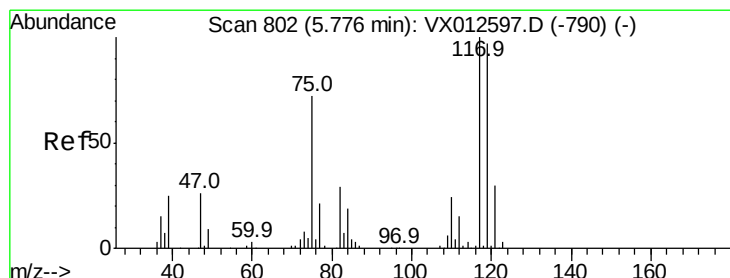
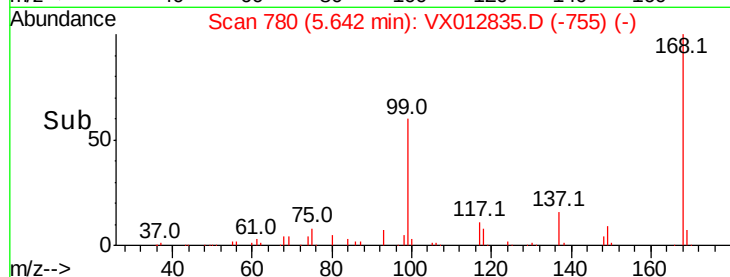
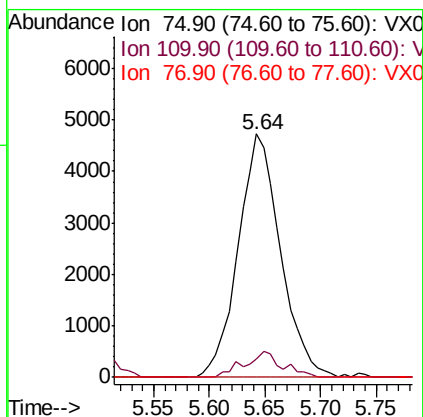
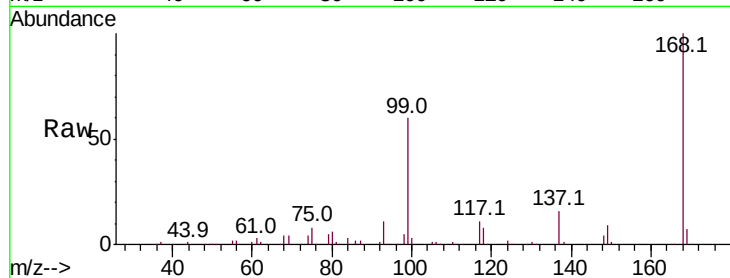




#36
 1,1-Dichloropropene
 Concen: 4.996 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012835.D
 Acq: 07 Oct 2019 14:03

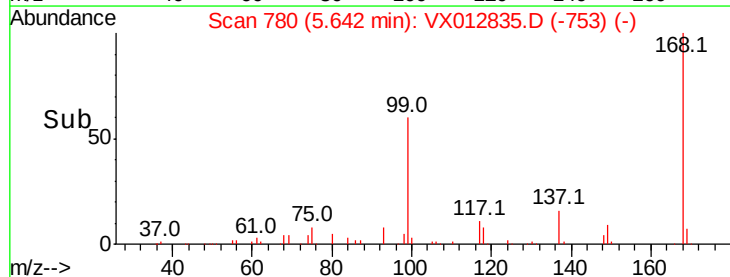
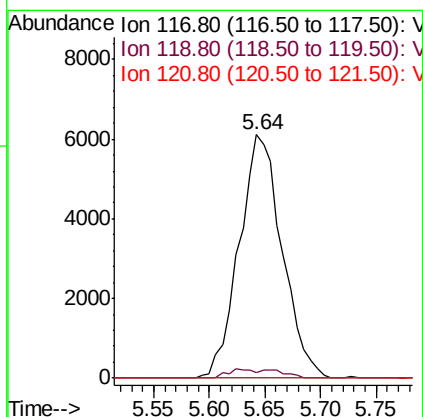
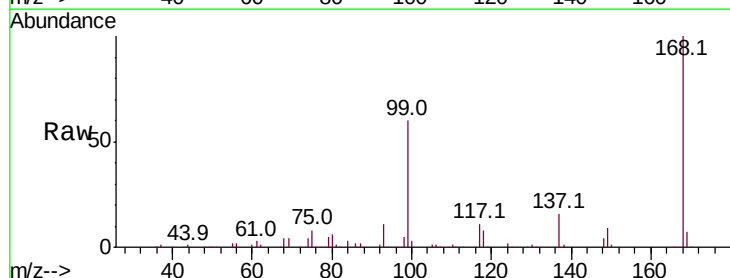
Instrument :
 MSVOA_X
 ClientSampleId :

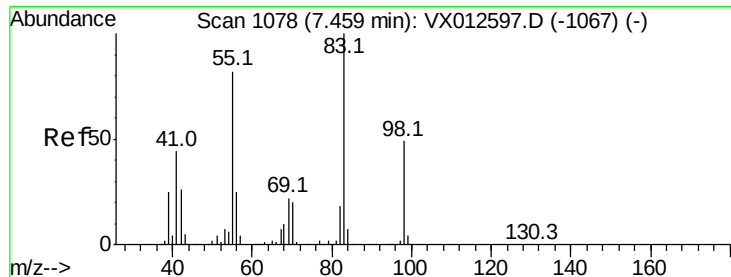
Tot Ion: 75 Resp: 12453
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.7 50.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.450 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012835.D
 Acq: 07 Oct 2019 14:03

Tgt Ion: 117 Resp: 16332
 Ion Ratio Lower Upper
 117 100
 119 2.0 75.7 113.5#
 121 0.0 24.2 36.4#

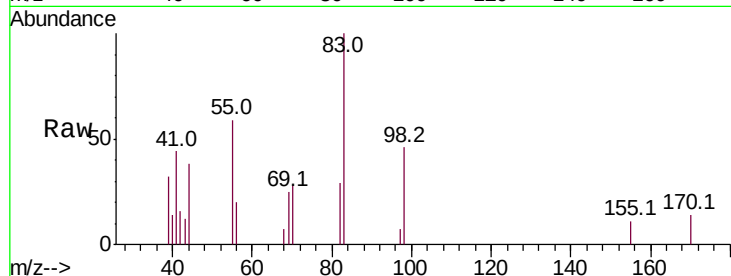




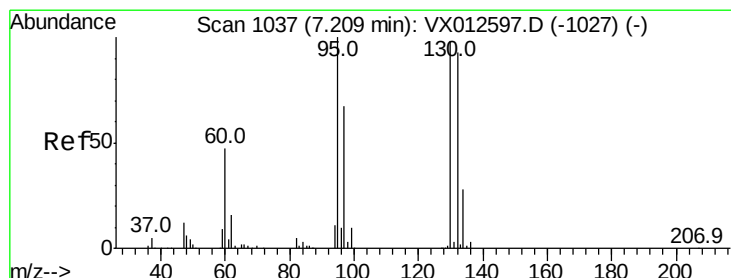
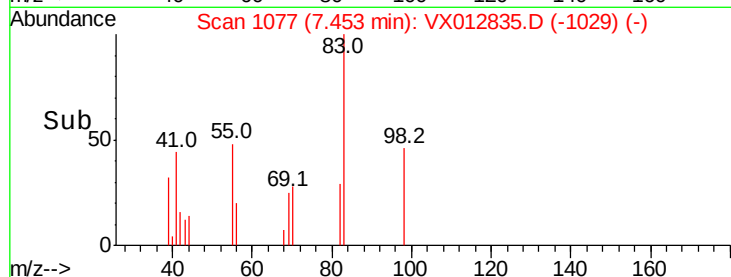
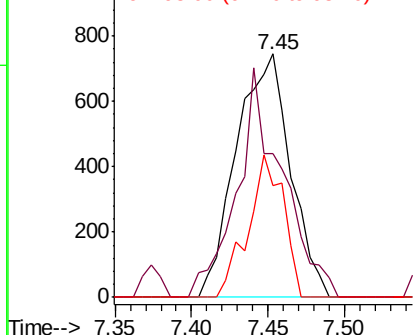
#39
Methvlcvclohexane
Concen: 0.612 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012835.D
Acq: 07 Oct 2019 14:03

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 1837
Ion Ratio Lower Upper
83 100
55 59.3 64.4 96.6#
98 45.8 40.1 60.1

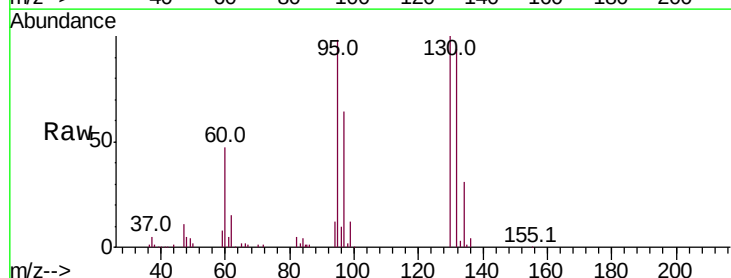


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

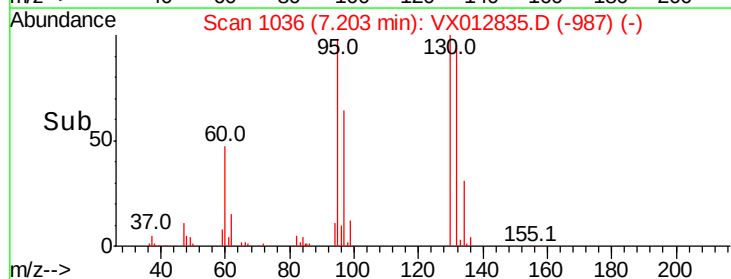
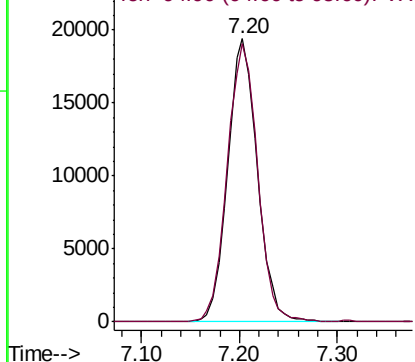


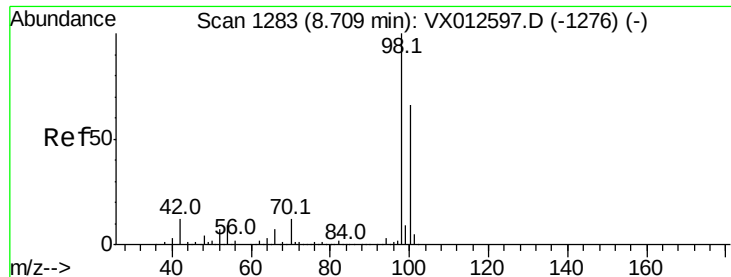
#44
Trichloroethene
Concen: 21.736 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VX012835.D
Acq: 07 Oct 2019 14:03

Tgt Ion:130 Resp: 40757
Ion Ratio Lower Upper
130 100
95 98.1 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

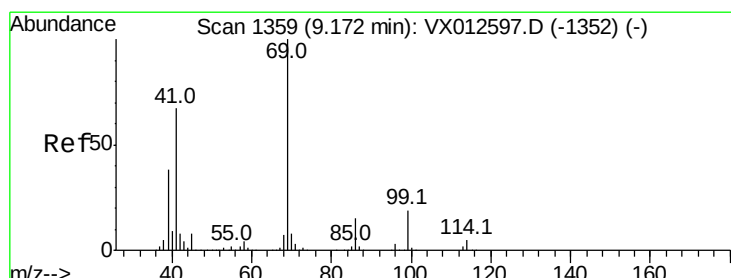
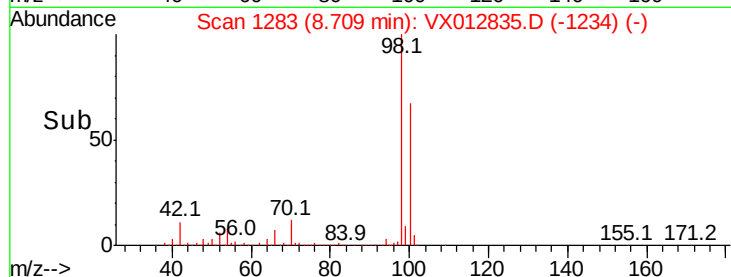
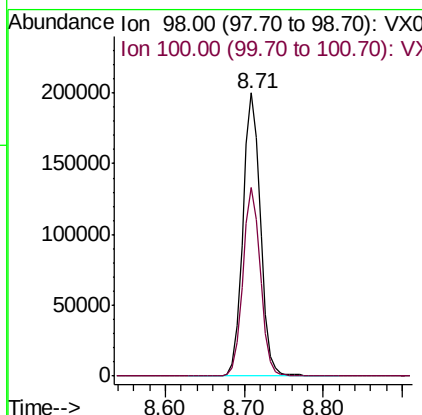
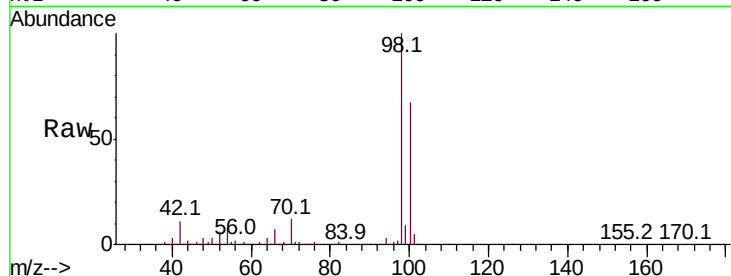




#50
Toluene-d8
Concen: 52.024 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012835.D
Acq: 07 Oct 2019 14:03

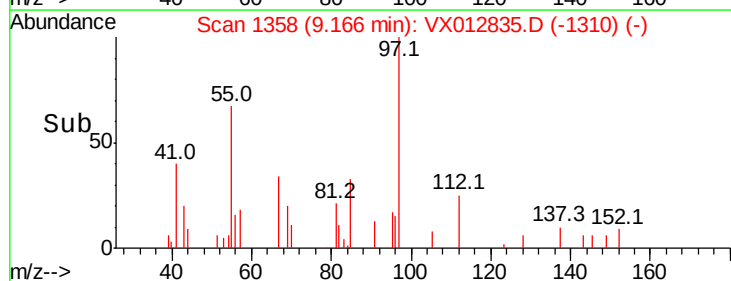
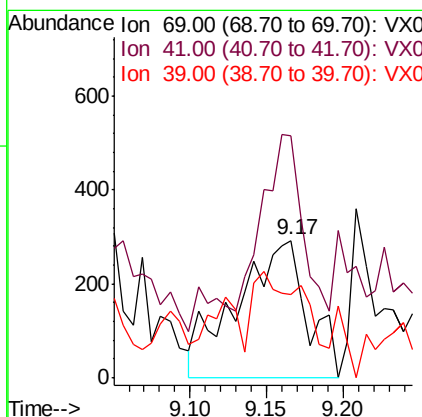
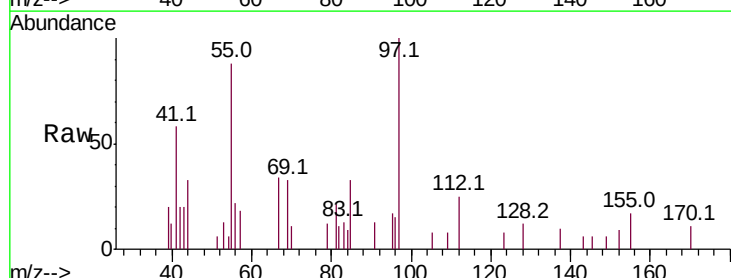
Instrument :
MSVOA_X
ClientSampleId :

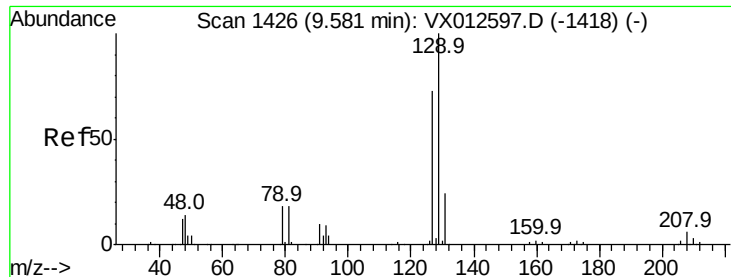
Tot Ion: 98 Resp: 308576
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.2



#56
Ethyl methacrylate
Concen: 0.305 ug/l
RT: 9.17 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VX012835.D
Acq: 07 Oct 2019 14:03

Tgt Ion: 69 Resp: 939
Ion Ratio Lower Upper
69 100
41 69.8 58.4 87.6
39 41.5 33.4 50.0

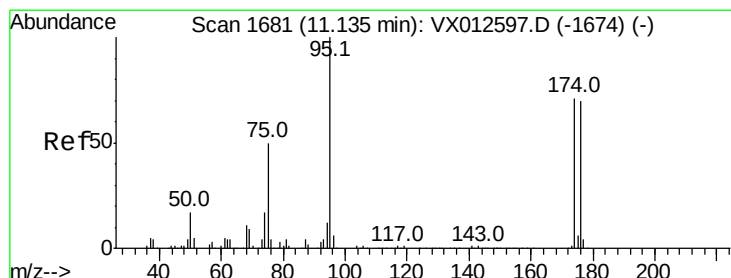
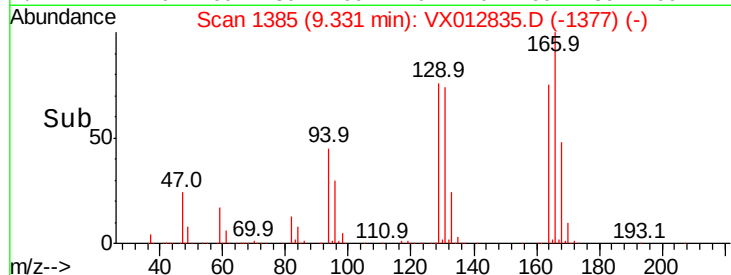
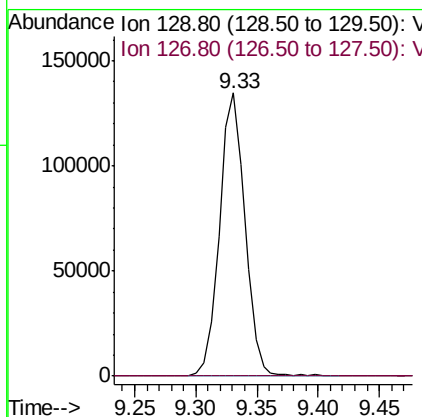
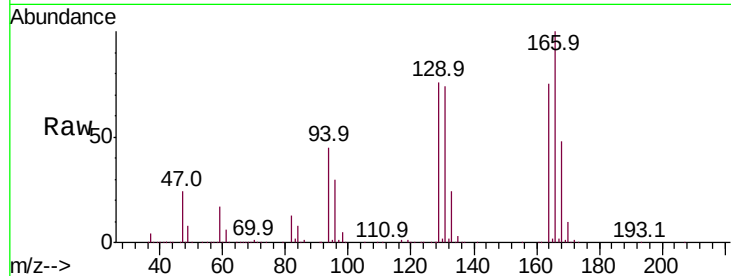




#60
Dibromochloromethane
Concen: 104.255 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.25 min
Lab File: VX012835.D
Acq: 07 Oct 2019 14:03

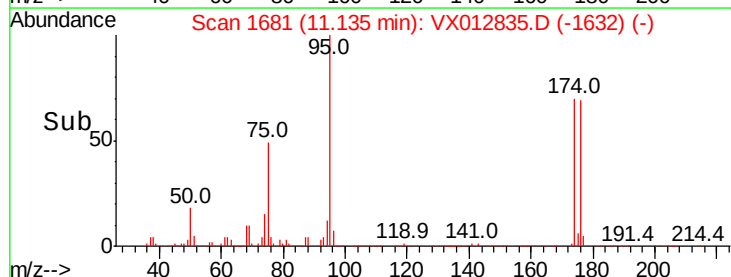
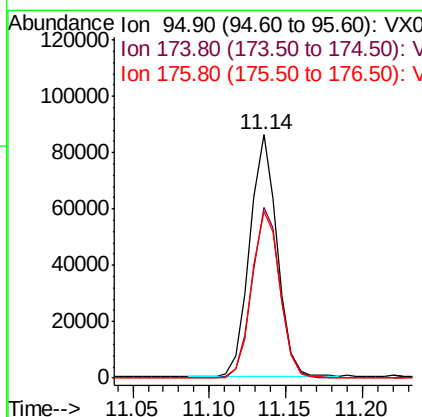
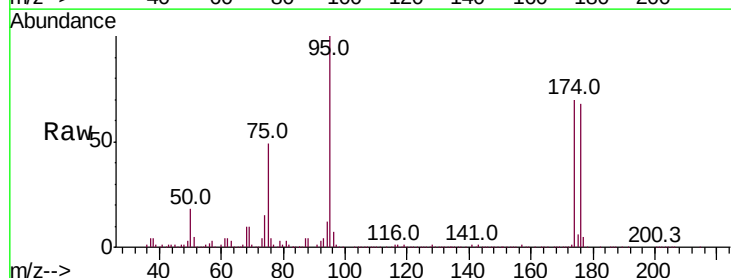
Instrument :
MSVOA_X
ClientSampleId :

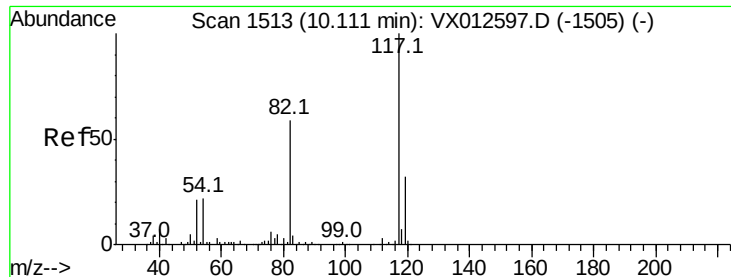
Tot Ion:129 Resp: 193422
Ion Ratio Lower Upper
129 100
127 0.1 38.9 116.6#



#62
4-Bromofluorobenzene
Concen: 45.696 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012835.D
Acq: 07 Oct 2019 14:03

Tgt Ion: 95 Resp: 106575
Ion Ratio Lower Upper
95 100
174 72.5 0.0 140.0
176 70.9 0.0 135.4

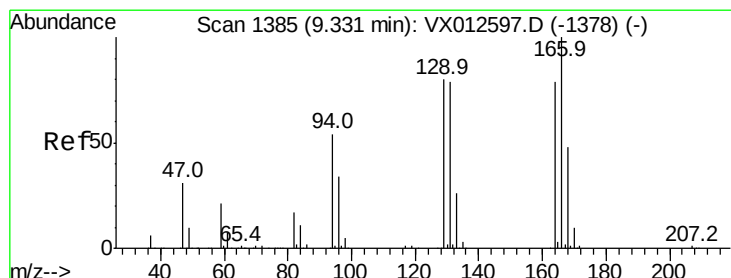
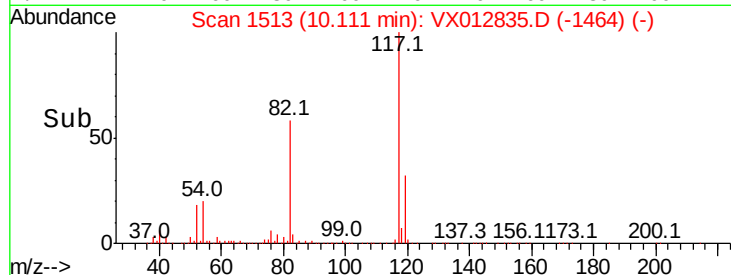
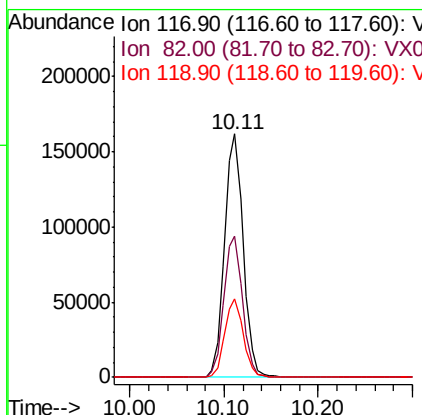
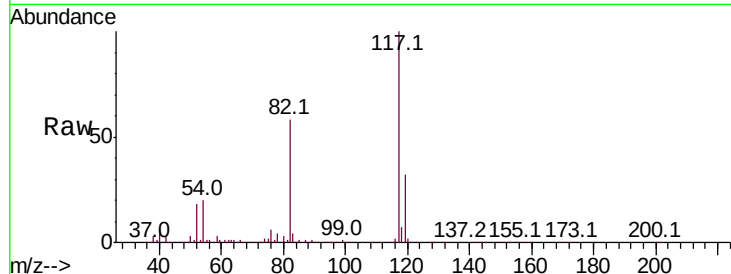




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012835.D
Acq: 07 Oct 2019 14:03

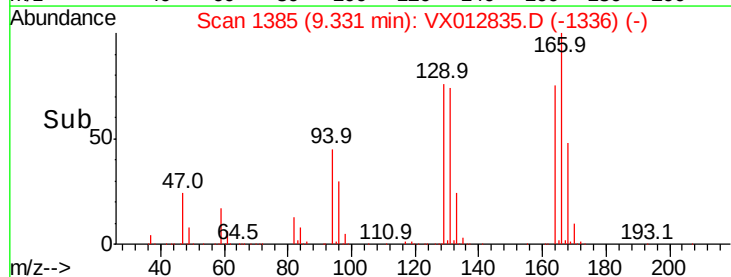
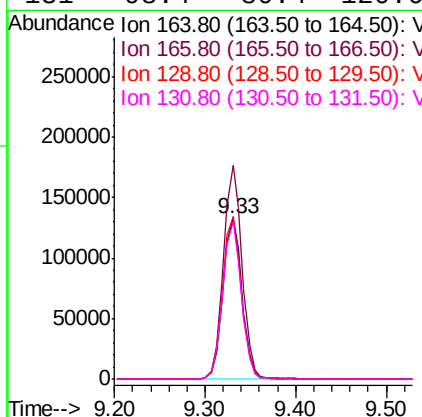
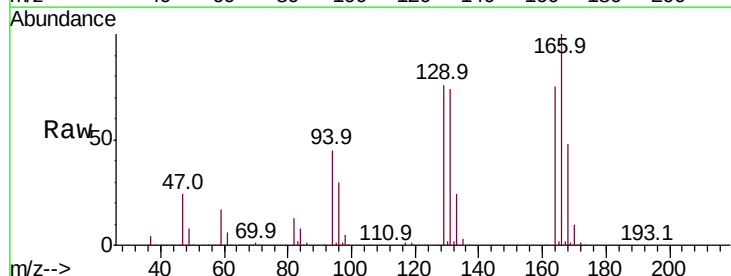
Instrument :
MSVOA_X
ClientSampleId :

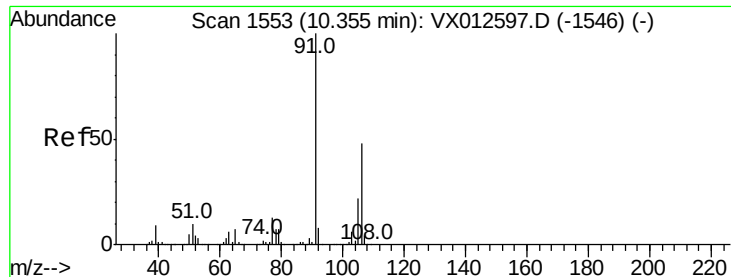
Tot Ion:117 Resp: 223516
Ion Ratio Lower Upper
117 100
82 58.2 45.9 68.9
119 32.4 25.3 37.9



#64
Tetrachloroethene
Concen: 124.747 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012835.D
Acq: 07 Oct 2019 14:03

Tgt Ion:164 Resp: 194405
Ion Ratio Lower Upper
164 100
166 133.1 107.8 161.6
129 101.5 86.2 129.2
131 98.4 80.4 120.6





#68

m/p-Xvlenes

Concen: 0.415 ug/l

RT: 10.36 min Scan# 1554

Delta R.T. 0.01 min

Lab File: VX012835.D

Acq: 07 Oct 2019 14:03

Instrument :

MSVOA_X

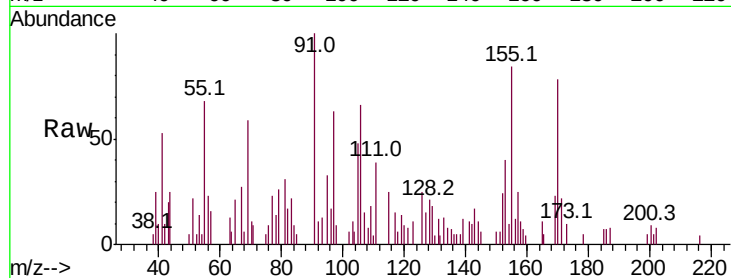
ClientSampleId :

Tot Ion:106 Resp: 1326

Ion Ratio Lower Upper

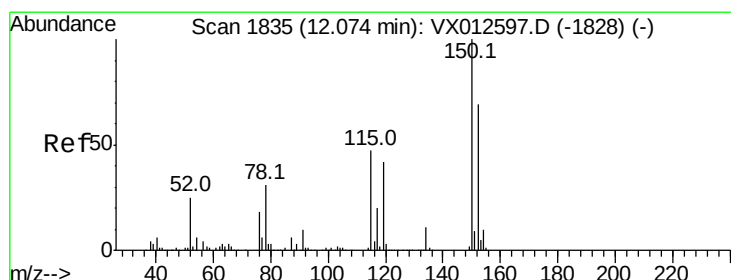
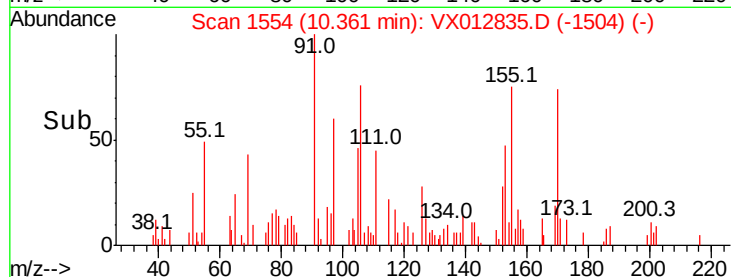
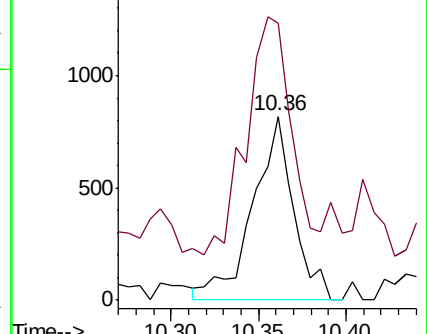
106 100

91 143.8 166.6 250.0#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012835.D

Acq: 07 Oct 2019 14:03

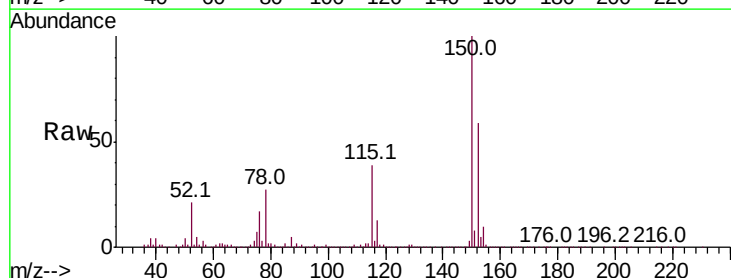
Tgt Ion:152 Resp: 94330

Ion Ratio Lower Upper

152 100

115 64.6 44.1 132.3

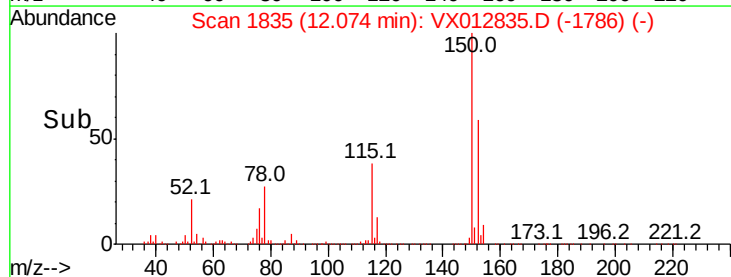
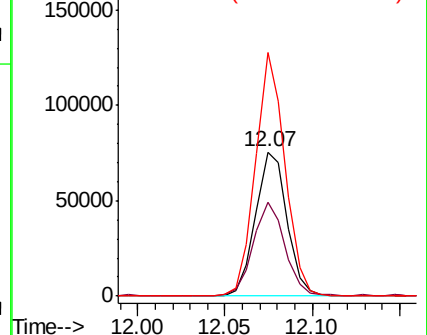
150 159.0 0.0 343.8

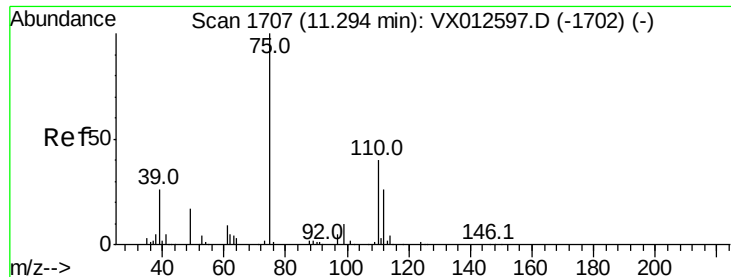


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

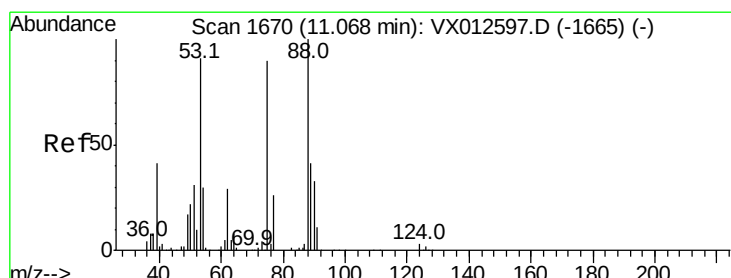
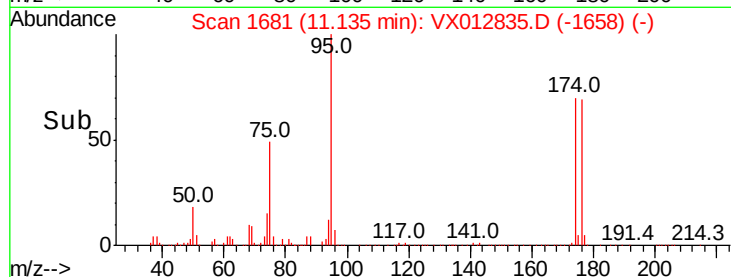
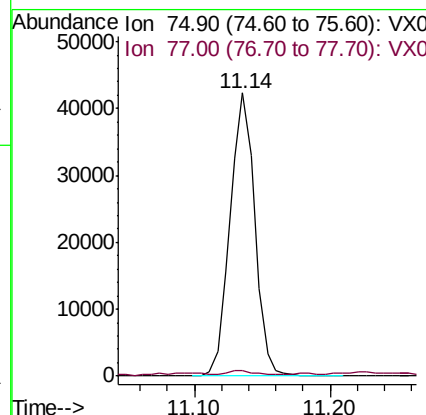
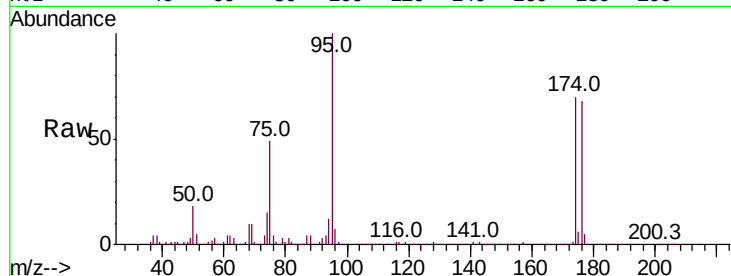




#76
 1,2,3-Trichloropropane
 Concen: 21.460 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX012835.D
 Acq: 07 Oct 2019 14:03

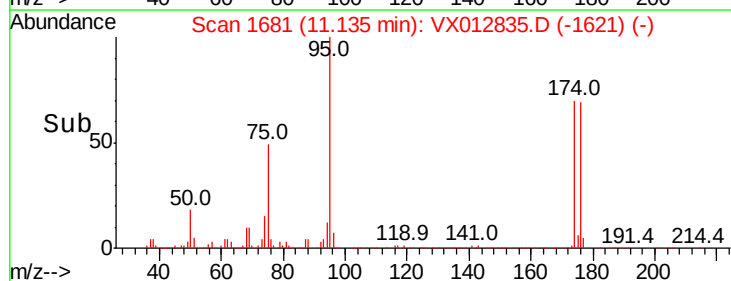
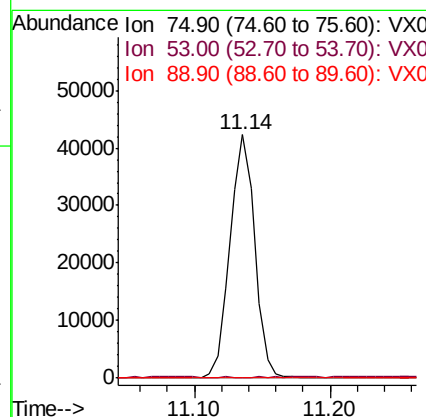
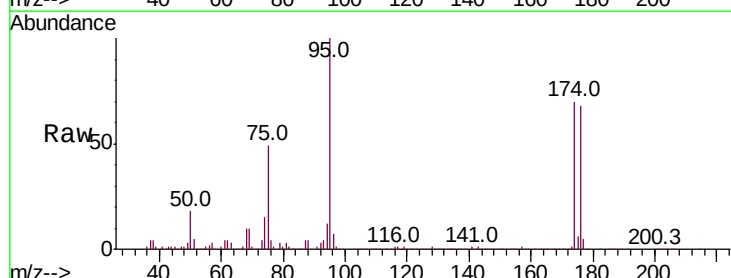
Instrument :
 MSVOA_X
 ClientSampled :

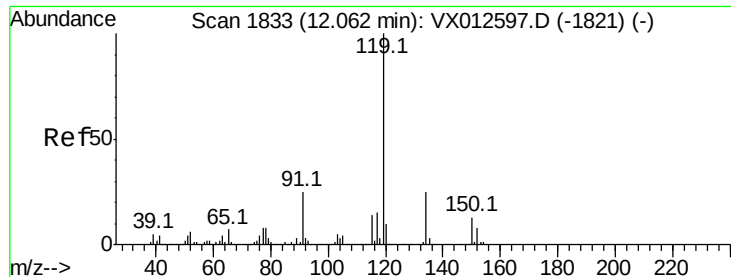
Tot Ion: 75 Resp: 53548
 Ion Ratio Lower Upper
 75 100
 77 1.5 19.7 59.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.499 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012835.D
 Acq: 07 Oct 2019 14:03

Tgt Ion: 75 Resp: 53548
 Ion Ratio Lower Upper
 75 100
 53 0.1 83.6 125.4#
 89 0.2 36.3 54.5#

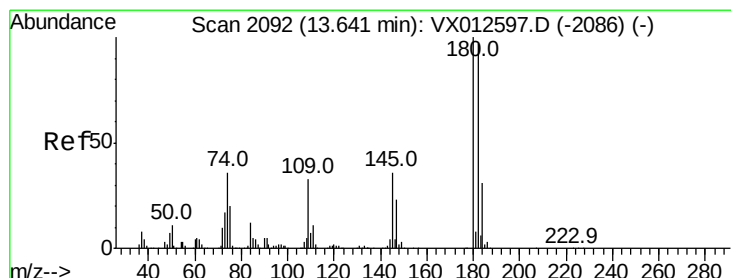
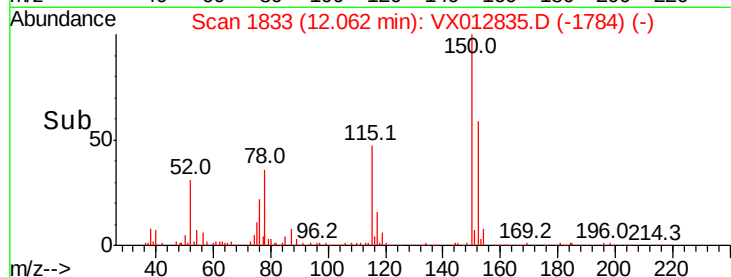
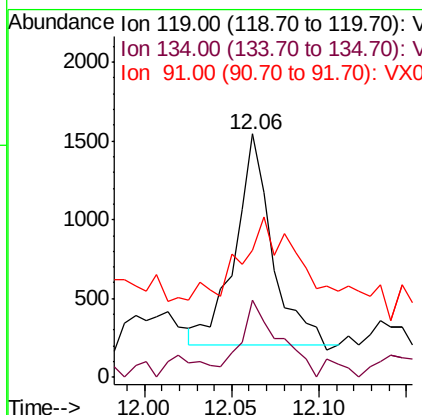
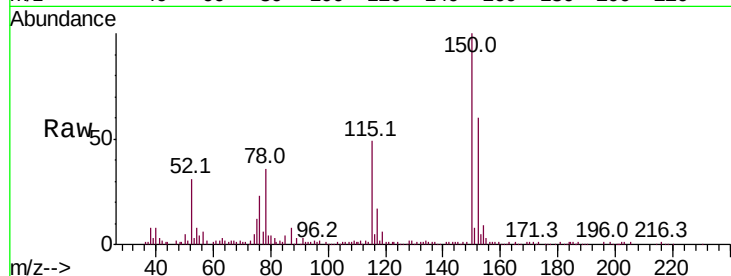




#86
 p-Isopropyltoluene
 Concen: 0.298 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012835.D
 Acq: 07 Oct 2019 14:03

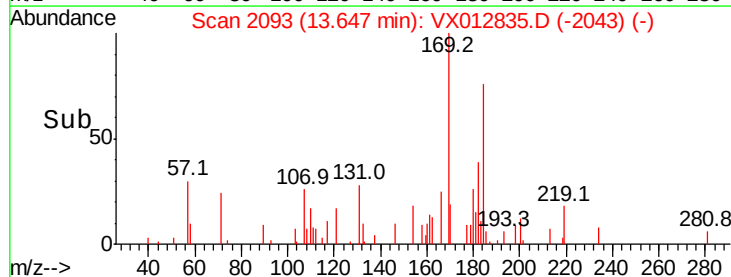
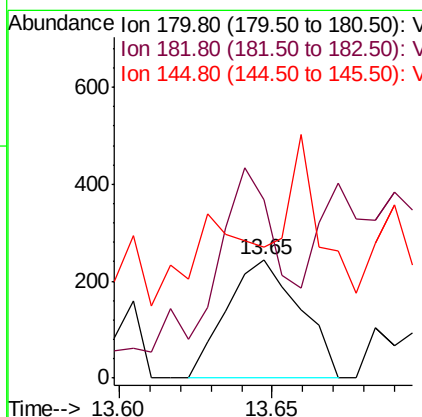
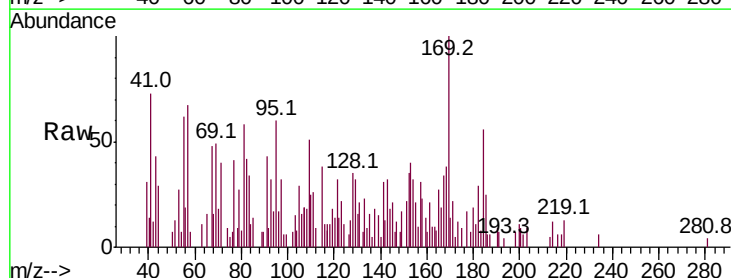
Instrument :
 MSVOA_X
 ClientSampleId :

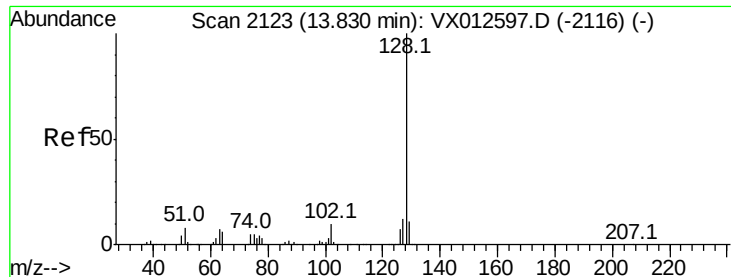
Tot Ion:119 Resp: 1942
 Ion Ratio Lower Upper
 119 100
 134 37.7 12.7 38.1
 91 105.2 12.8 38.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.213 ug/l
 RT: 13.65 min Scan# 2093
 Delta R.T. 0.01 min
 Lab File: VX012835.D
 Acq: 07 Oct 2019 14:03

Tgt Ion:180 Resp: 407
 Ion Ratio Lower Upper
 180 100
 182 189.2 47.0 141.0#
 145 66.1 16.8 50.4#





#95
Naphthalene
Concen: 0.231 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012835.D
Acq: 07 Oct 2019 14:03

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 1596
Ion Ratio Lower Upper
128 100
127 14.0 10.2 15.4
129 38.0 8.8 13.2#

