

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101019\
 Data File : VX013016.D
 Acq On : 11 Oct 2019 07:39
 Operator : JC/SP
 Sample : K5313-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20190853-COMPOSITE-E

Quant Time: Oct 11 08:27:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	185430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	293660	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106446	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	114718	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
35) Dibromofluoromethane	5.49	113	89714	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	
50) Toluene-d8	8.71	98	349581	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	
62) 4-Bromofluorobenzene	11.14	95	123733	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	559	0.272	ug/l	98
4) Vinyl Chloride	1.40	62	12556	5.914	ug/l	95
5) Bromomethane	1.64	94	443	0.502	ug/l #	34
6) Chloroethane	1.73	64	138	0.473	ug/l #	66
10) Methyl Iodide	2.50	142	215	5.174	ug/l #	40
11) Tert butyl alcohol	3.03	59	1546	2.516	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	629	0.336	ug/l	88
13) Acrolein	2.25	56	1055	2.416	ug/l #	1
14) Allyl chloride	2.84	41	249404	74.737	ug/l #	65
15) Acrylonitrile	3.16	53	5786	4.969	ug/l #	40
16) Acetone	2.43	43	5920	4.846	ug/l #	87
18) Methyl Acetate	2.84	43	629194	217.294	ug/l #	51
20) Methylene Chloride	2.83	84	2262	1.008	ug/l #	1
21) trans-1,2-Dichloroethene	3.16	96	694	0.346	ug/l #	76
25) 2-Butanone	4.68	43	707	0.417	ug/l #	49
26) 2,2-Dichloropropane	4.39	77	1365	0.451	ug/l #	53
27) cis-1,2-Dichloroethene	4.59	96	30458	13.156	ug/l	91
31) Cyclohexane	5.57	56	129886	38.613	ug/l	99
36) 1,1-Dichloropropene	5.65	75	14730	5.705	ug/l #	51
37) Ethyl Acetate	4.84	43	1257	0.435	ug/l #	67
38) Carbon Tetrachloride	5.65	117	19021	7.569	ug/l #	17
39) Methylcyclohexane	7.46	83	114643	36.614	ug/l	96
40) Benzene	6.14	78	182307	23.907	ug/l	100
43) Isopropyl Acetate	6.34	43	223466	48.226	ug/l #	60
44) Trichloroethene	7.21	130	1189	0.562	ug/l	75
45) 1,2-Dichloropropane	7.46	63	1319	0.679	ug/l #	1
48) Methyl methacrylate	7.73	41	9180	4.065	ug/l #	47
51) 4-Methyl-2-Pentanone	8.67	43	13516	4.678	ug/l #	68
52) Toluene	8.78	92	15487	3.175	ug/l	99
53) t-1,3-Dichloropropene	8.78	75	128	2.208	ug/l #	1
55) 1,1,2-Trichloroethane	9.16	97	13671	7.081	ug/l #	21
56) Ethyl methacrylate	9.16	69	3274	2.744	ug/l #	1
67) Ethyl Benzene	10.25	91	194564	21.878	ug/l	99
68) m/p-Xylenes	10.35	106	167269	50.347	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101019\
 Data File : VX013016.D
 Acq On : 11 Oct 2019 07:39
 Operator : JC/SP
 Sample : K5313-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20190853-COMPOSITE-E

Quant Time: Oct 11 08:27:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

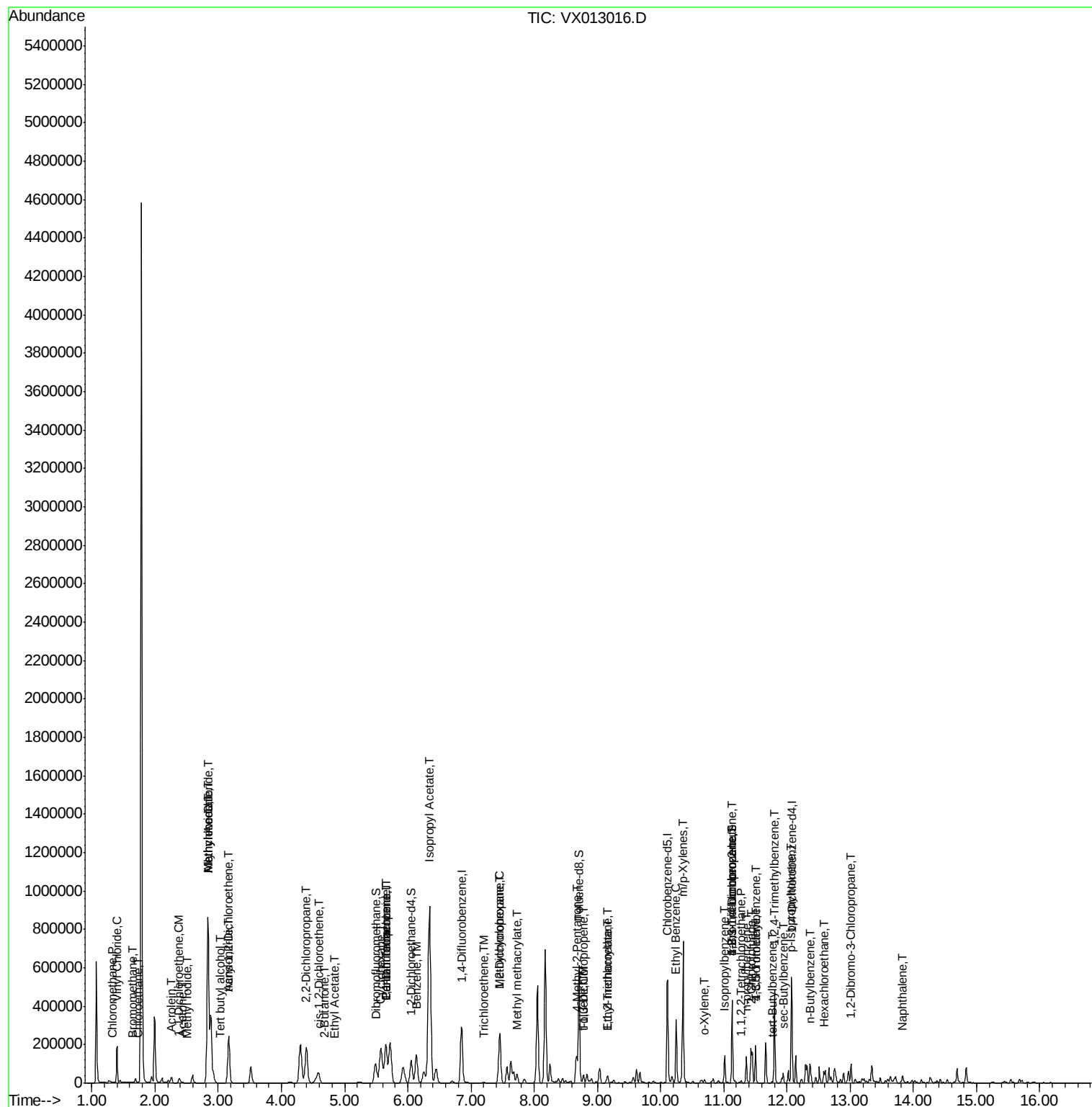
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) o-Xylene	10.70	106	4024	1.242	ug/l	99
73) Isopropylbenzene	11.01	105	70846	9.053	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	613	0.236	ug/l #	33
76) 1,2,3-Trichloropropane	11.13	75	61745	26.152	ug/l #	32
78) n-propylbenzene	11.35	91	85515	9.930	ug/l	98
79) 2-Chlorotoluene	11.43	91	19610	3.623	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.50	105	80914	12.382	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.13	75	61745	65.841	ug/l #	10
82) 4-Chlorotoluene	11.50	91	9417	1.518	ug/l #	46
83) tert-Butylbenzene	11.77	119	3216	0.504	ug/l	80
84) 1,2,4-Trimethylbenzene	11.80	105	216306	32.683	ug/l	96
85) sec-Butylbenzene	11.94	105	28116	3.807	ug/l	80
86) p-Isopropyltoluene	12.06	119	18016	2.630	ug/l	96
89) n-Butylbenzene	12.38	91	15521	2.696	ug/l #	32
90) Hexachloroethane	12.59	117	2646	4.115	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	13.01	75	385	0.631	ug/l #	1
95) Naphthalene	13.83	128	24063	3.301	ug/l #	93

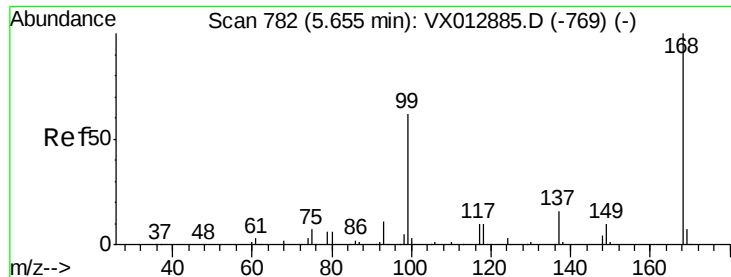
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101019\
Data File : VX013016.D
Acq On : 11 Oct 2019 07:39
Operator : JC/SP
Sample : K5313-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
20190853-COMPOSITE-E

Quant Time: Oct 11 08:27:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX013016.D

Acq: 11 Oct 2019 07:39

Instrument :

MSVOA_X

ClientSampleId :

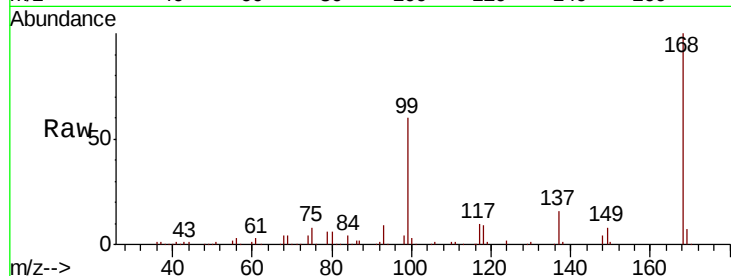
20190853-COMPOSITE-E

Tot Ion:168 Resp: 185430

Ion Ratio Lower Upper

168 100

99 59.8 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

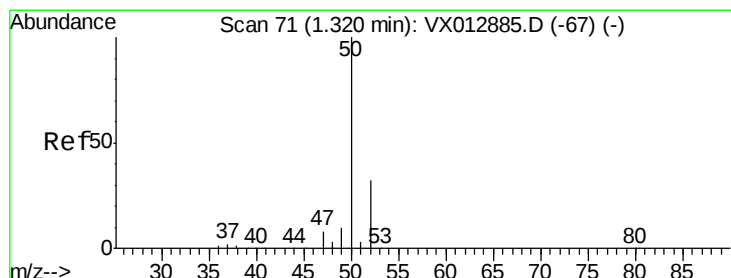
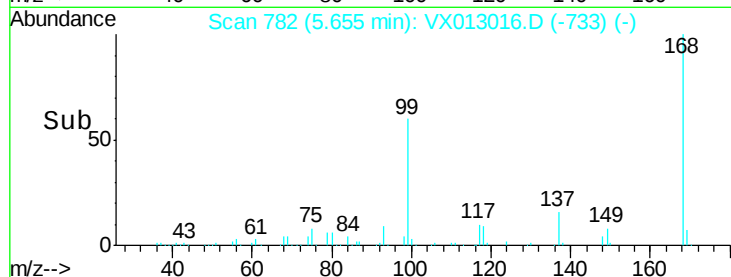
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.272 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013016.D

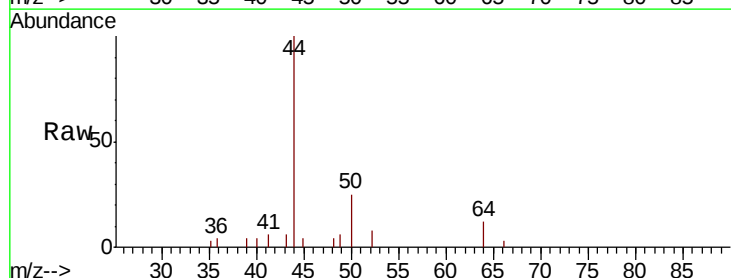
Acq: 11 Oct 2019 07:39

Tgt Ion: 50 Resp: 559

Ion Ratio Lower Upper

50 100

52 30.6 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

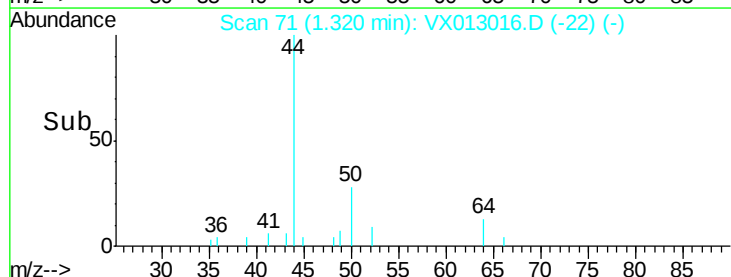
600

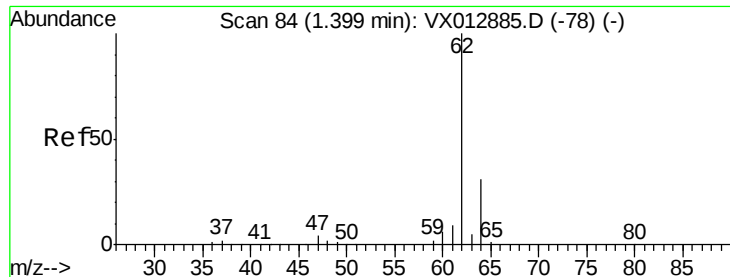
400

200

0

Time--> 1.30 1.35





#4

Vinyl Chloride

Concen: 5.914 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013016.D

Acq: 11 Oct 2019 07:39

Instrument :

MSVOA_X

ClientSampleId :

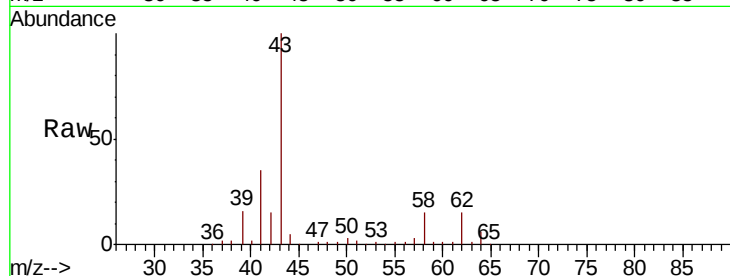
20190853-COMPOSITE-E

Tot Ion: 62 Resp: 12556

Ion Ratio Lower Upper

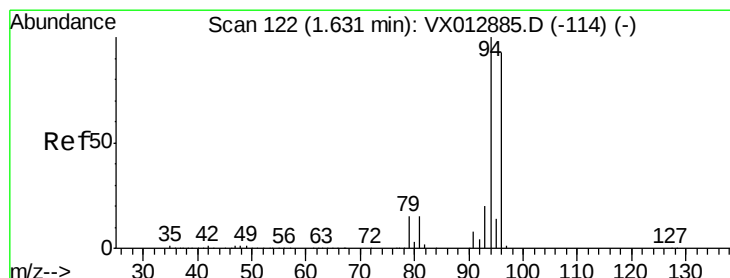
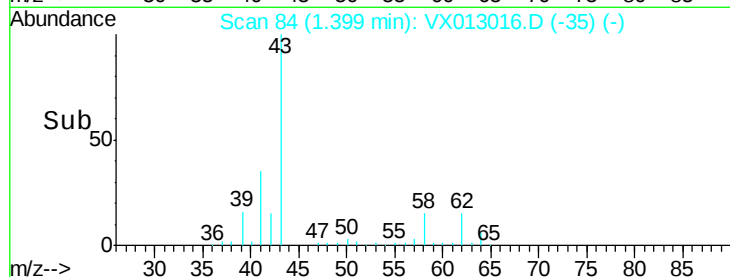
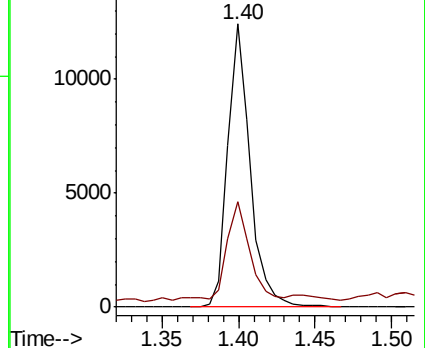
62 100

64 34.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.502 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013016.D

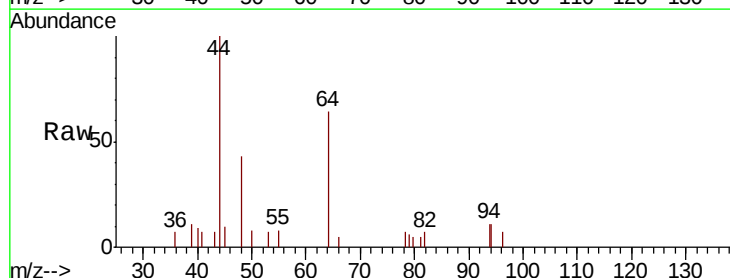
Acq: 11 Oct 2019 07:39

Tgt Ion: 94 Resp: 443

Ion Ratio Lower Upper

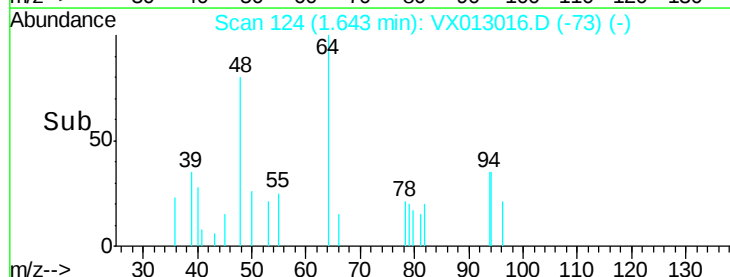
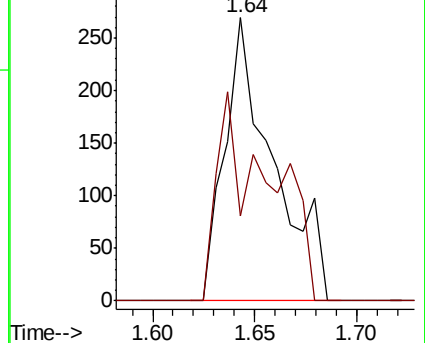
94 100

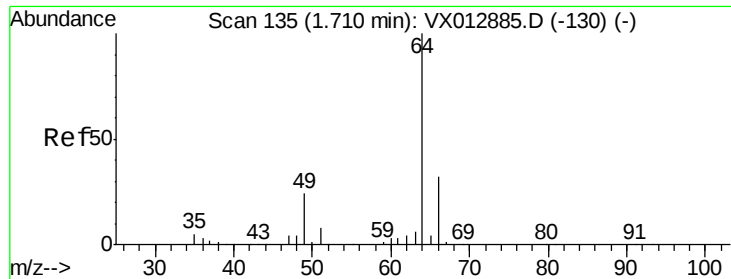
96 30.1 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.473 ug/l

RT: 1.73 min Scan# 139

Delta R.T. 0.02 min

Lab File: VX013016.D

Acq: 11 Oct 2019 07:39

Instrument :

MSVOA_X

ClientSampleId :

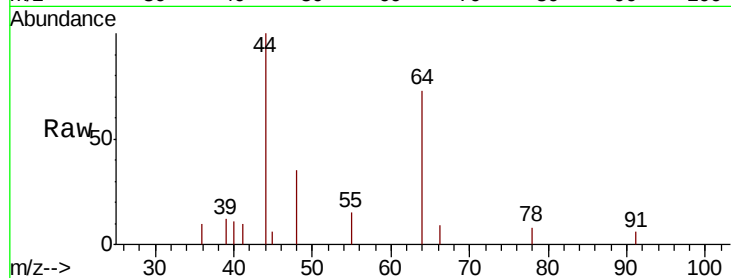
20190853-COMPOSITE-E

Tot Ion: 64 Resp: 138

Ion Ratio Lower Upper

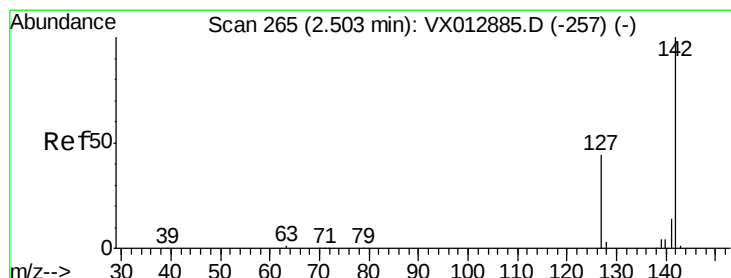
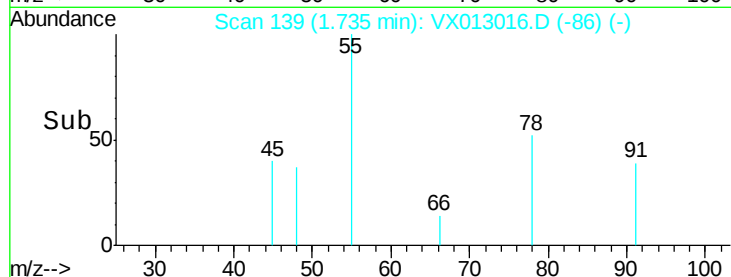
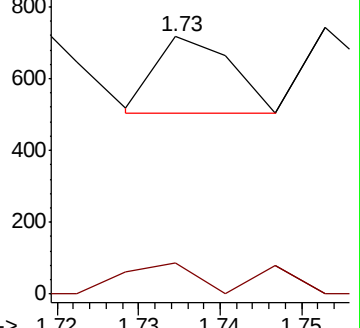
64 100

66 13.1 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 5.174 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX013016.D

Acq: 11 Oct 2019 07:39

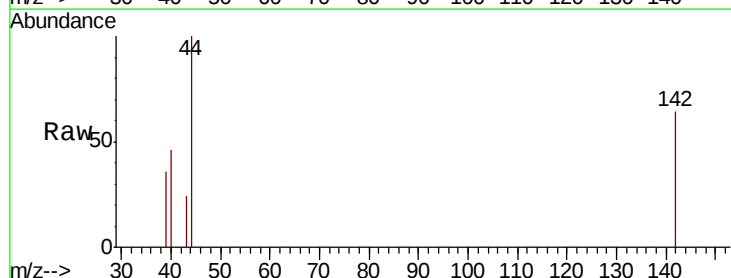
Tgt Ion: 142 Resp: 215

Ion Ratio Lower Upper

142 100

127 0.0 34.9 52.3#

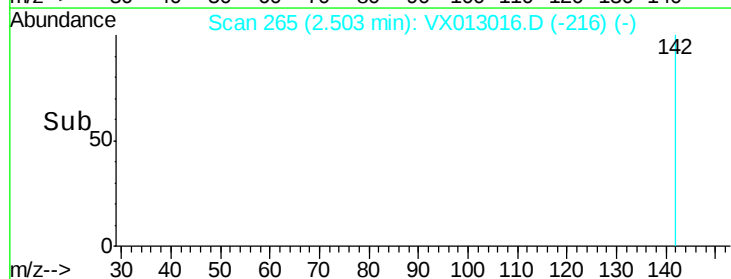
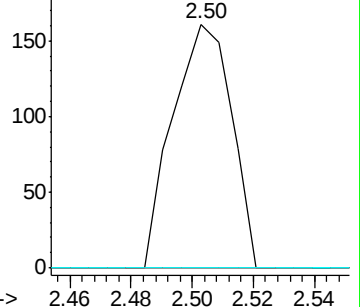
141 0.0 11.6 17.4#

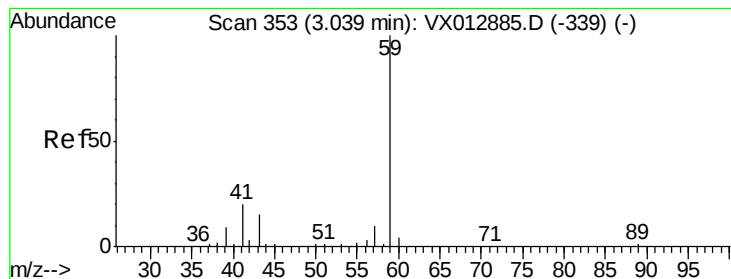


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



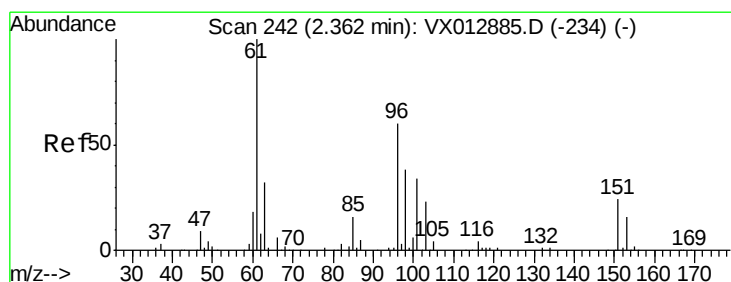
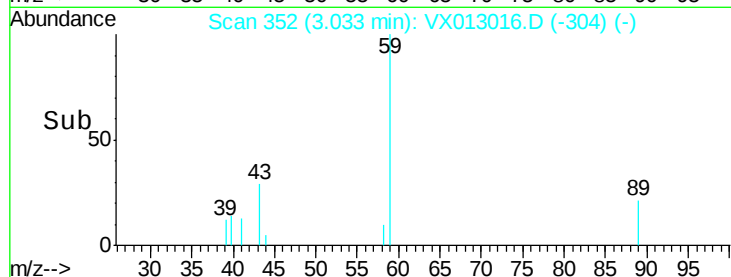
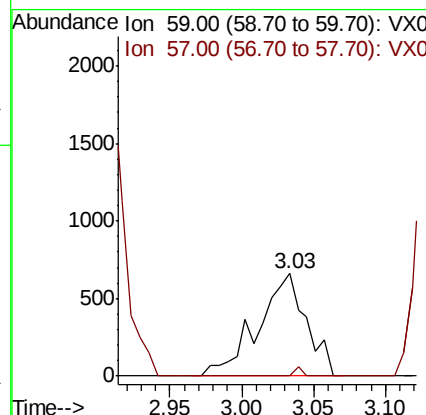
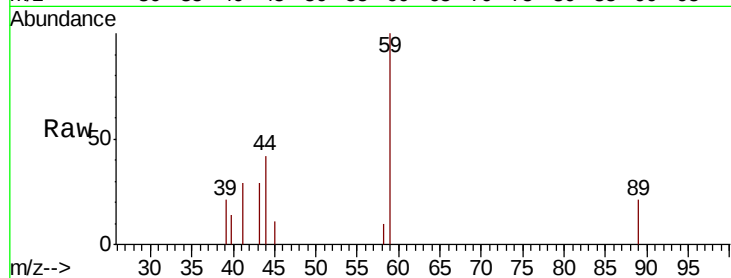


#11

Tert butyl alcohol
 Concen: 2.516 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX013016.D
 Acq: 11 Oct 2019 07:39

Instrument :
 MSVOA_X
 ClientSampleId :
 20190853-COMPOSITE-E

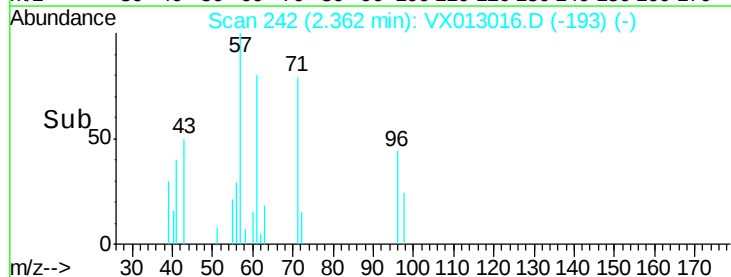
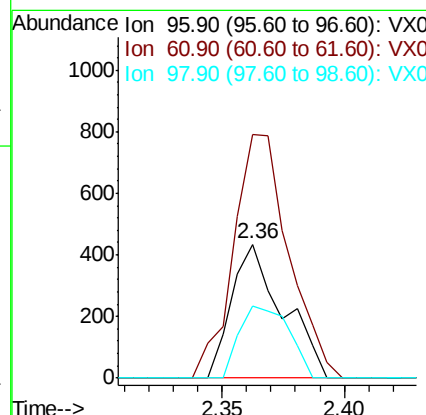
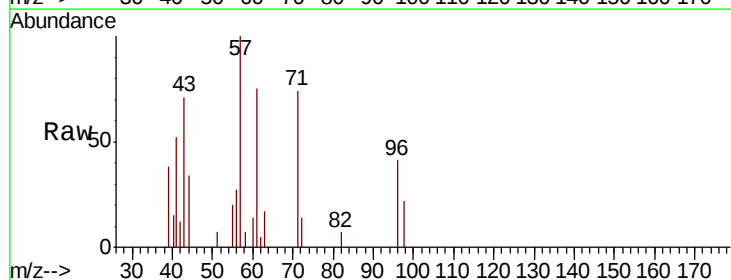
Tot Ion: 59 Resp: 1546
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

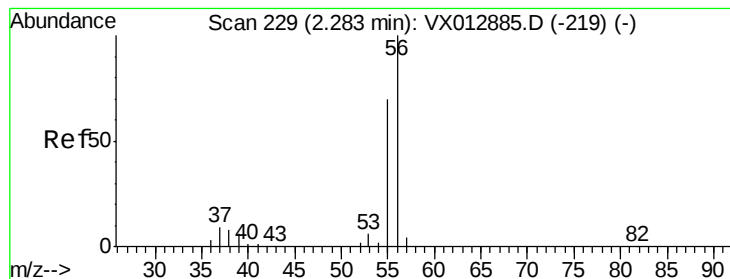


#12

1,1-Dichloroethene
 Concen: 0.336 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VX013016.D
 Acq: 11 Oct 2019 07:39

Tgt Ion: 96 Resp: 629
 Ion Ratio Lower Upper
 96 100
 61 181.8 132.2 198.4
 98 54.3 50.5 75.7





#13

Acrolein

Concen: 2.416 ug/l

RT: 2.25 min Scan# 224

Delta R.T. -0.03 min

Lab File: VX013016.D

Acq: 11 Oct 2019 07:39

Instrument :

MSVOA_X

ClientSampleId :

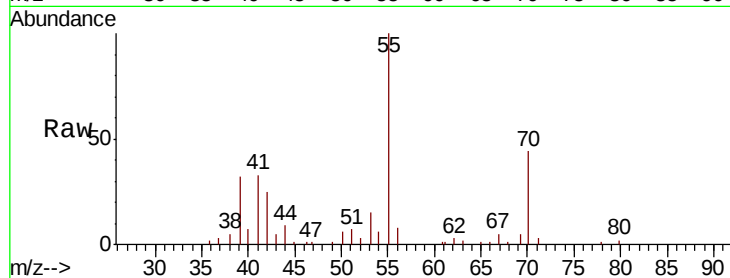
20190853-COMPOSITE-E

Tot Ion: 56 Resp: 1055

Ion Ratio Lower Upper

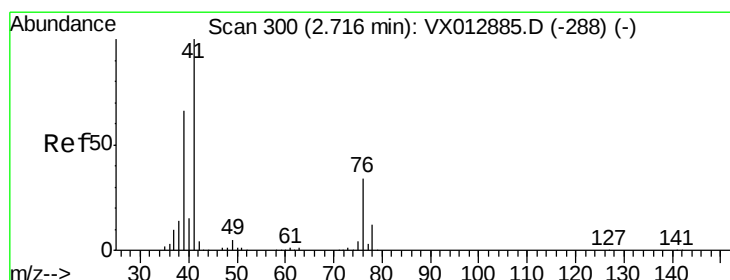
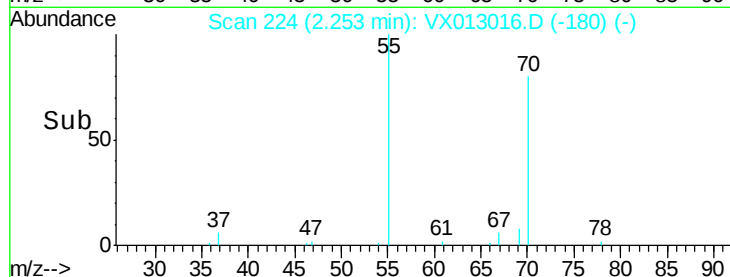
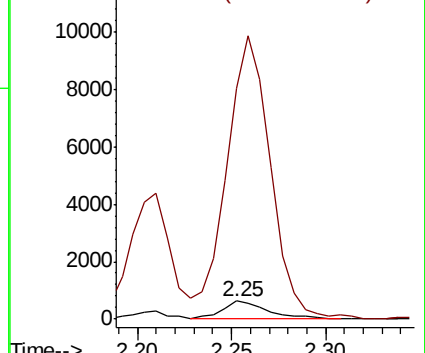
56 100

55 1505.2 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 74.737 ug/l

RT: 2.84 min Scan# 320

Delta R.T. 0.12 min

Lab File: VX013016.D

Acq: 11 Oct 2019 07:39

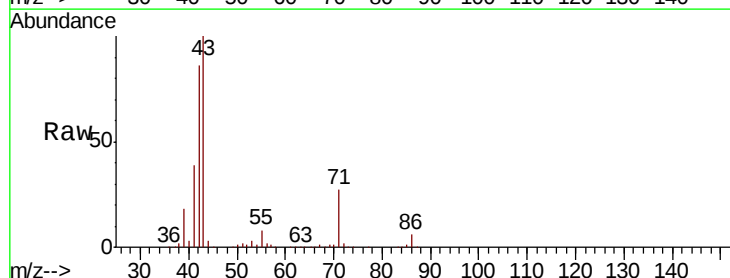
Tgt Ion: 41 Resp: 249404

Ion Ratio Lower Upper

41 100

39 45.7 51.0 76.6#

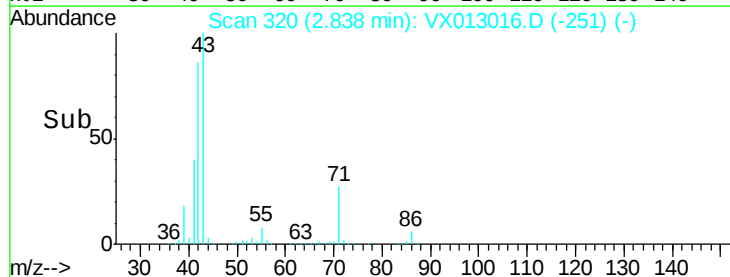
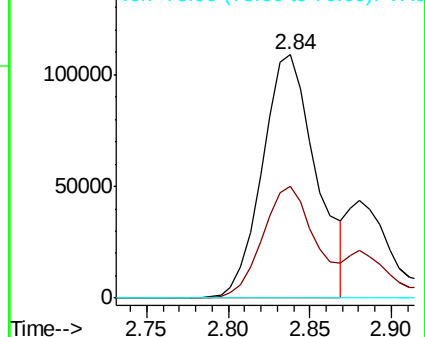
76 0.0 26.2 39.4#

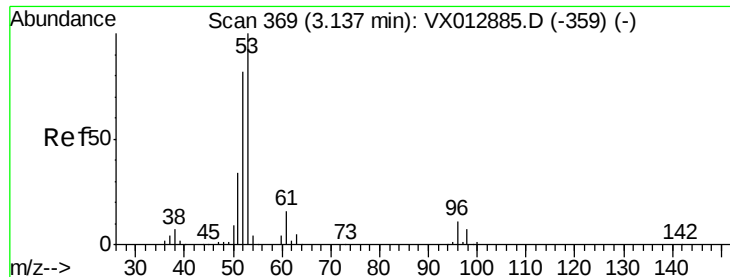


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 4.969 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.02 min

Lab File: VX013016.D

Acq: 11 Oct 2019 07:39

Instrument :

MSVOA_X

ClientSampleId :

20190853-COMPOSITE-E

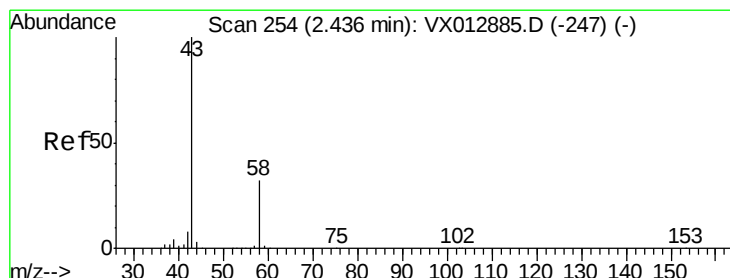
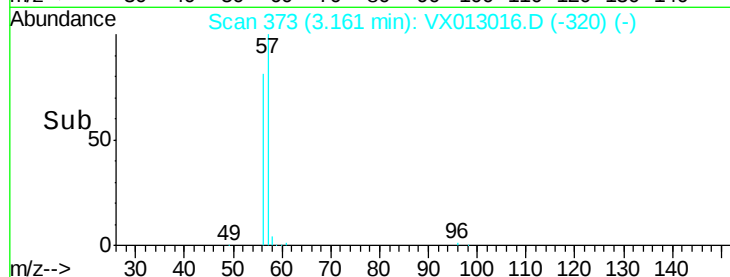
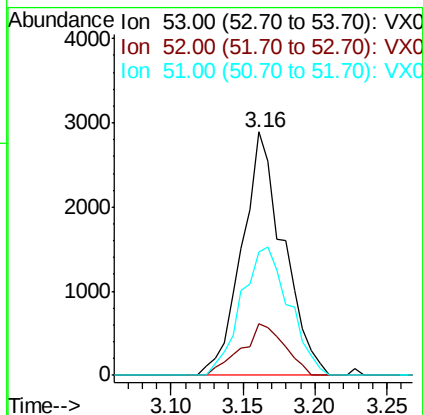
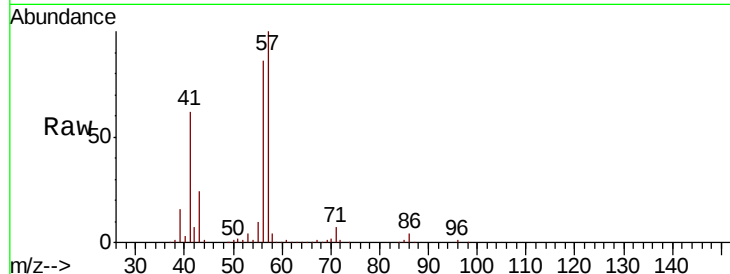
Tot Ion: 53 Resp: 5786

Ion Ratio Lower Upper

53 100

52 21.9 66.2 99.2#

51 60.7 28.2 42.4#



#16

Acetone

Concen: 4.846 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013016.D

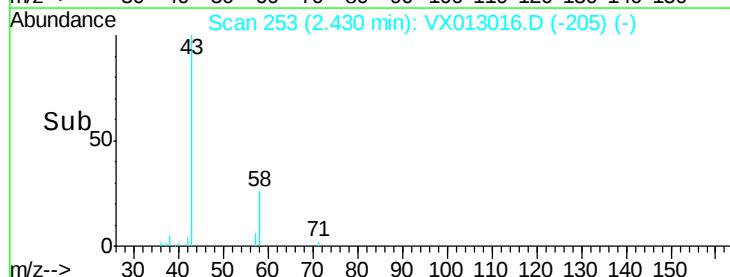
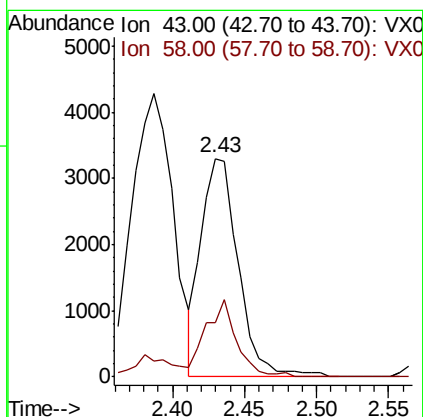
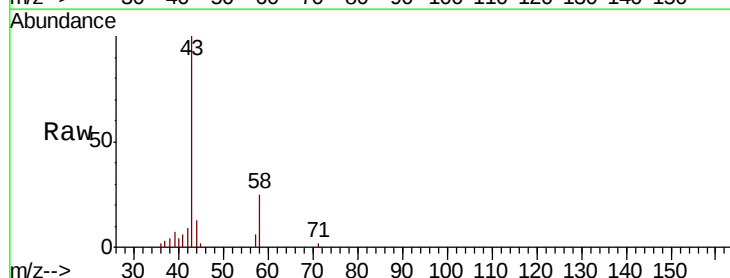
Acq: 11 Oct 2019 07:39

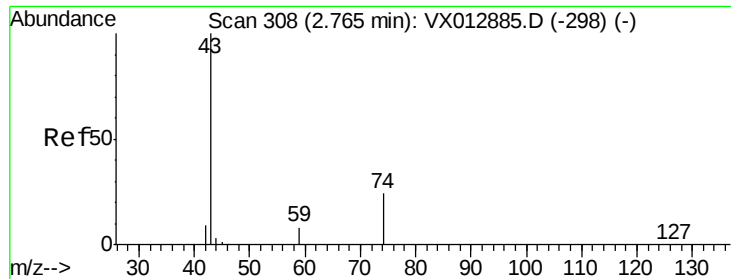
Tgt Ion: 43 Resp: 5920

Ion Ratio Lower Upper

43 100

58 24.6 25.4 38.2#

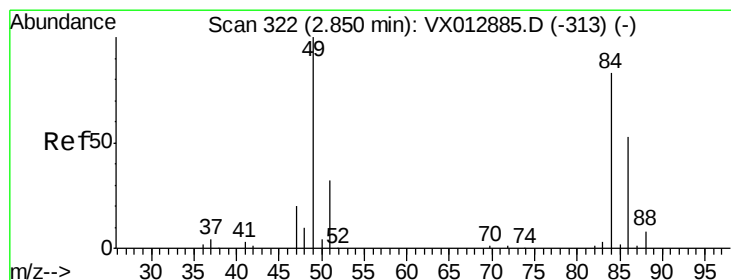
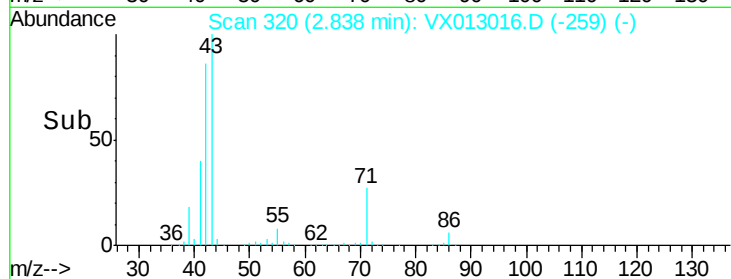
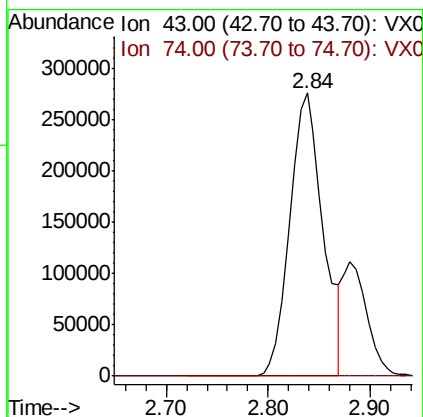
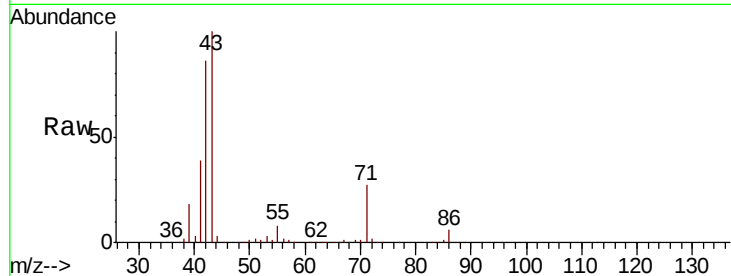




#18
Methyl Acetate
Concen: 217.294 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.07 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

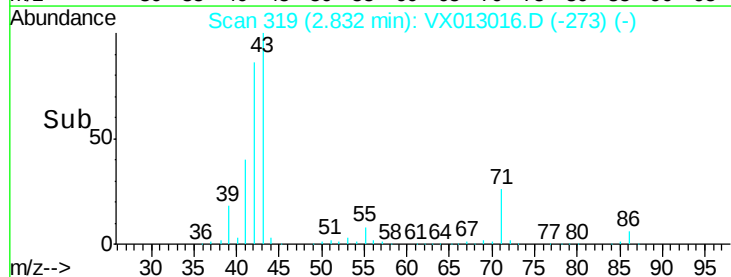
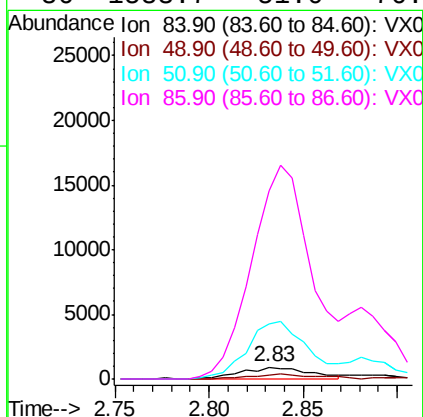
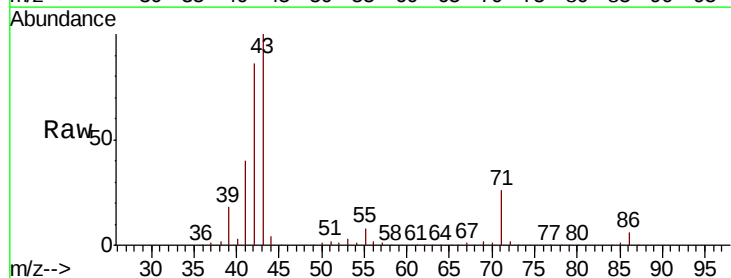
Instrument :
MSVOA_X
ClientSampleId :
20190853-COMPOSITE-E

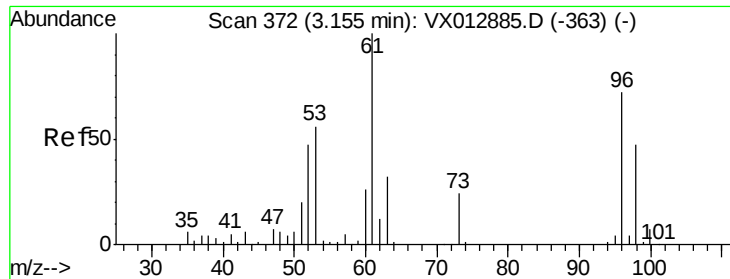
Tot Ion: 43 Resp: 629194
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#20
Methylene Chloride
Concen: 1.008 ug/l
RT: 2.83 min Scan# 319
Delta R.T. -0.02 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

Tgt Ion: 84 Resp: 2262
Ion Ratio Lower Upper
84 100
49 35.3 96.6 144.8#
51 465.7 30.7 46.1#
86 1583.7 51.0 76.6#





#21

trans-1,2-Dichloroethene

Concen: 0.346 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX013016.D

Acq: 11 Oct 2019 07:39

Instrument :

MSVOA_X

ClientSampleId :

20190853-COMPOSITE-E

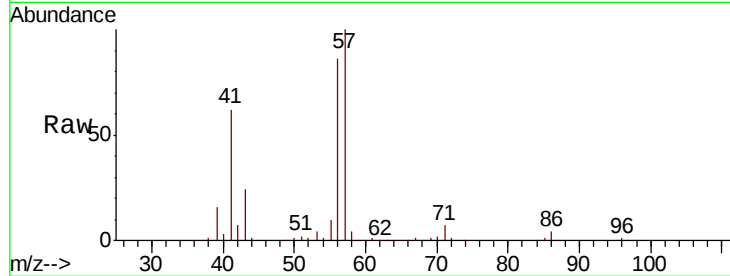
Tot Ion: 96 Resp: 694

Ion Ratio Lower Upper

96 100

61 161.1 110.4 165.6

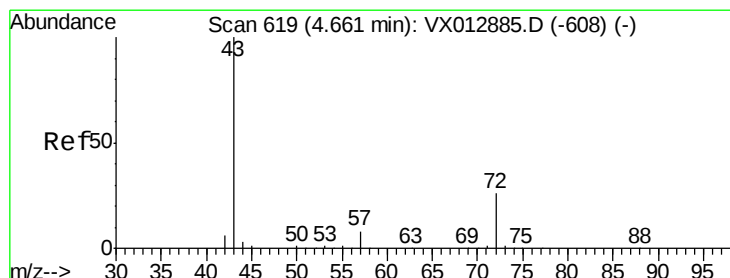
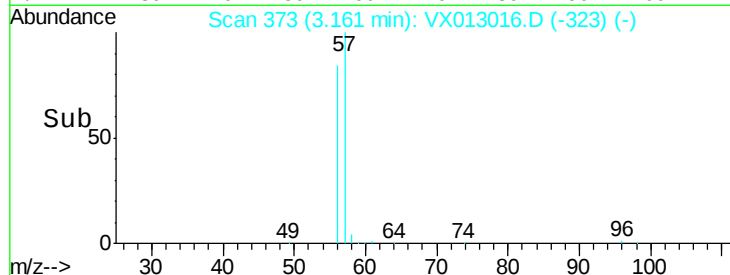
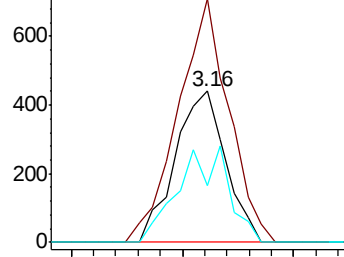
98 37.5 51.5 77.3#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 0.417 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX013016.D

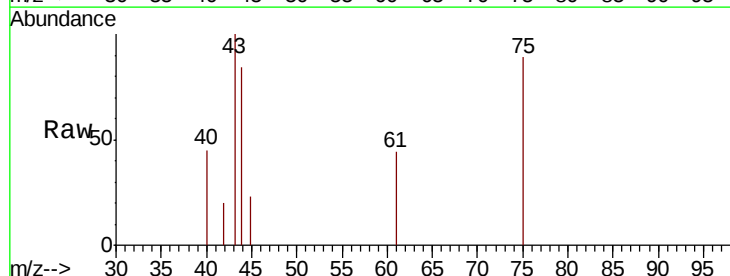
Acq: 11 Oct 2019 07:39

Tgt Ion: 43 Resp: 707

Ion Ratio Lower Upper

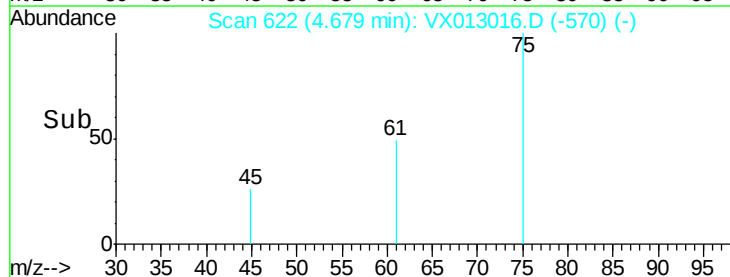
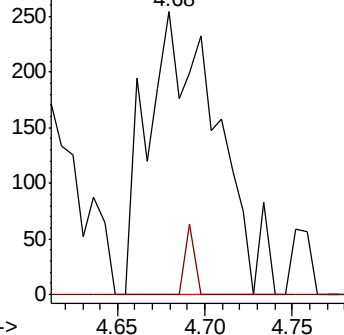
43 100

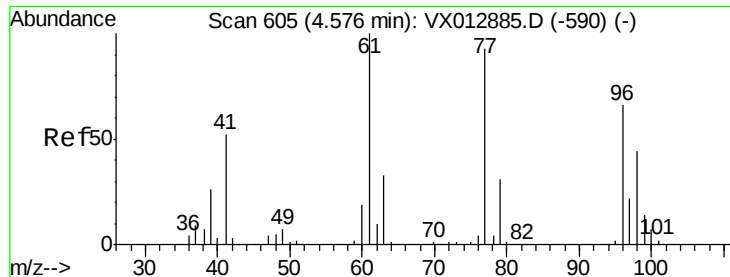
72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#26

2,2-Dichloropropane

Concen: 0.451 ug/l

RT: 4.39 min Scan# 575

Delta R.T. -0.18 min

Lab File: VX013016.D

Acq: 11 Oct 2019 07:39

Instrument :

MSVOA_X

ClientSampleId :

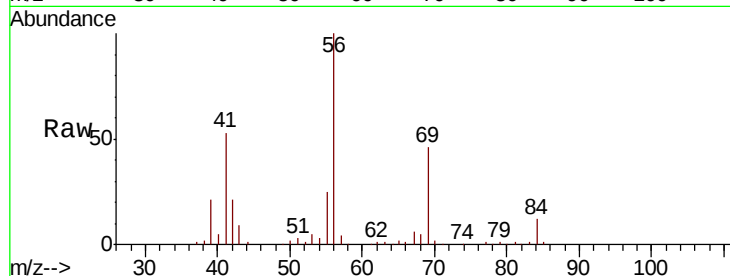
20190853-COMPOSITE-E

Tot Ion: 77 Resp: 1365

Ion Ratio Lower Upper

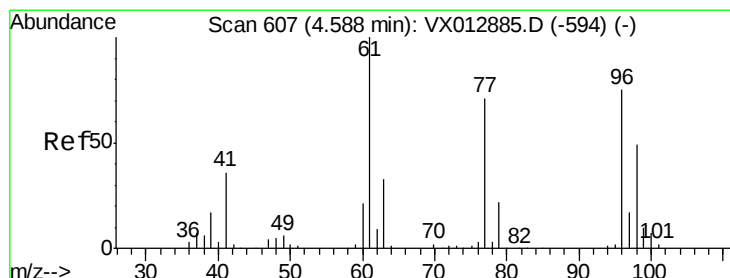
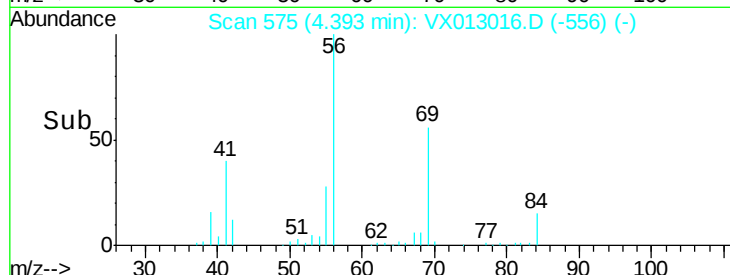
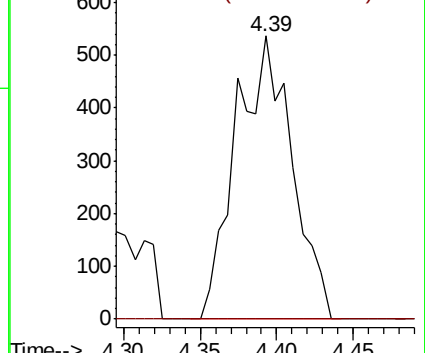
77 100

97 0.0 11.3 33.9#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 13.156 ug/l

RT: 4.59 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX013016.D

Acq: 11 Oct 2019 07:39

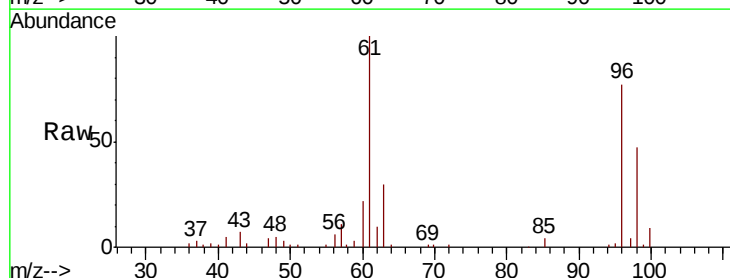
Tgt Ion: 96 Resp: 30458

Ion Ratio Lower Upper

96 100

61 128.5 0.0 290.6

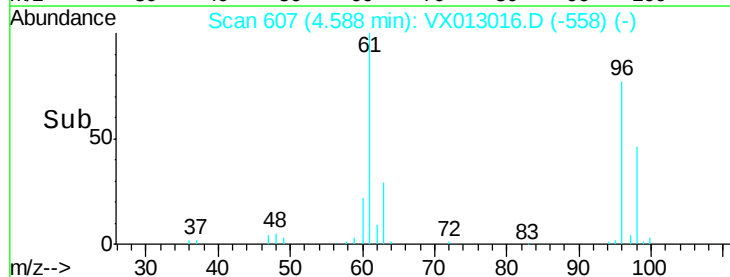
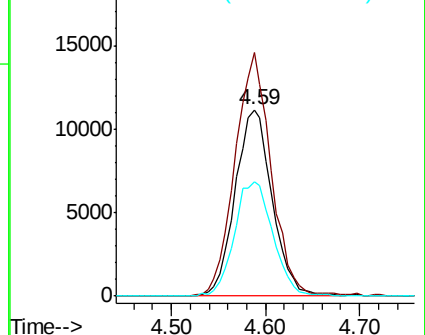
98 64.1 0.0 128.8

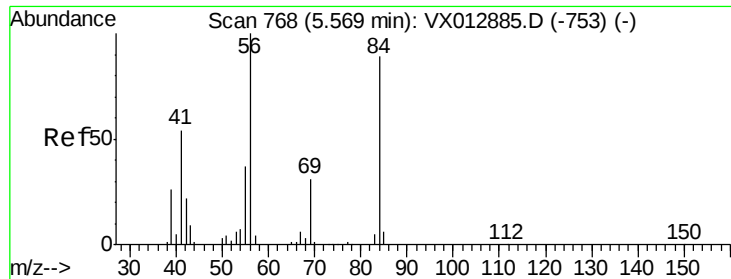


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

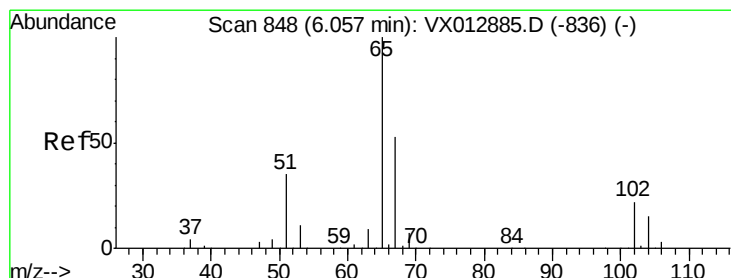
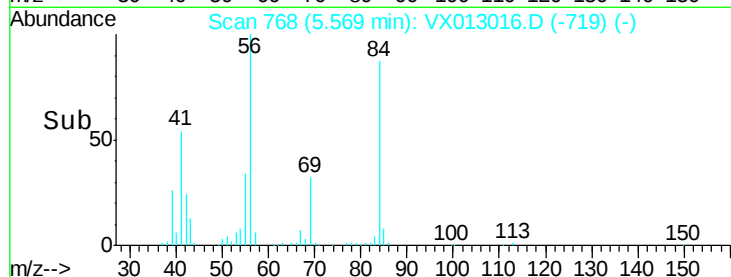
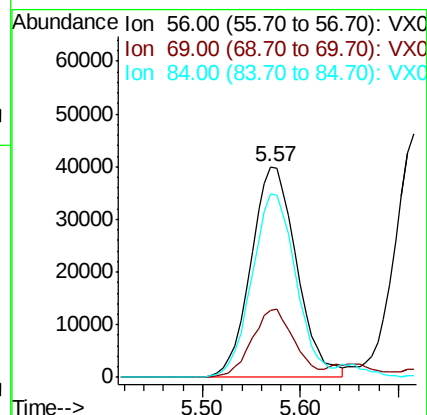
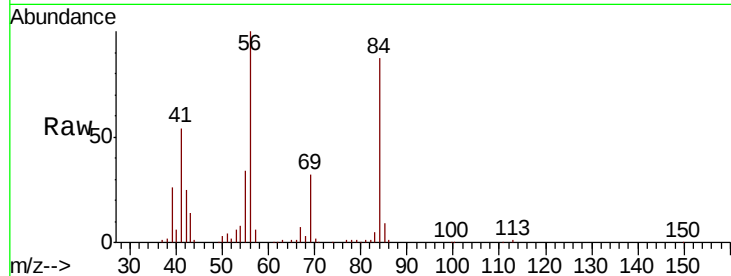




#31
Cyclohexane
Concen: 38.613 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

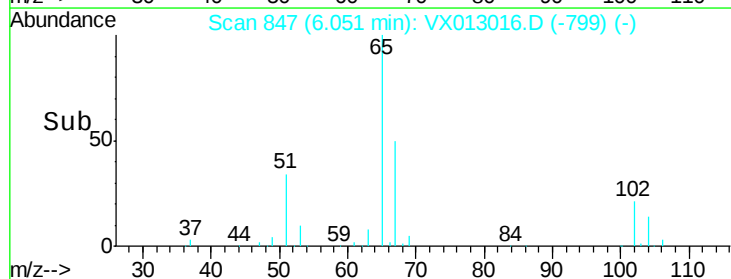
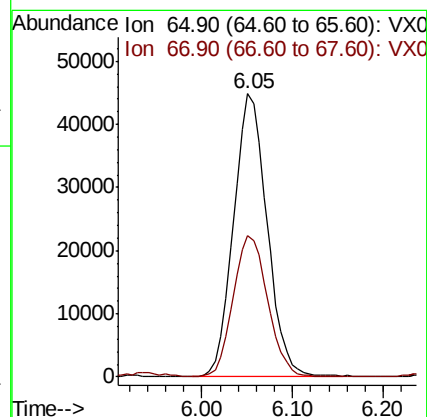
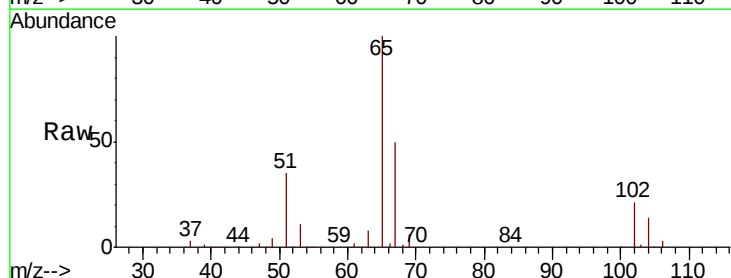
Instrument :
MSVOA_X
ClientSampleId :
20190853-COMPOSITE-E

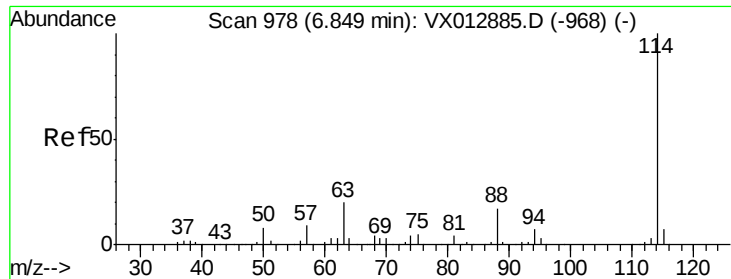
Tot Ion: 56 Resp: 129886
Ion Ratio Lower Upper
56 100
69 31.6 25.2 37.8
84 87.3 71.3 106.9



#33
1,2-Dichloroethane-d4
Concen: 49.498 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

Tgt Ion: 65 Resp: 114718
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.4

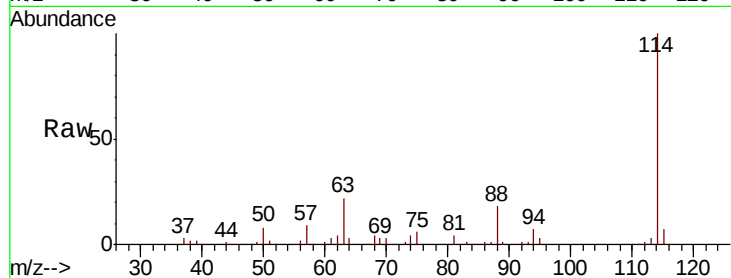




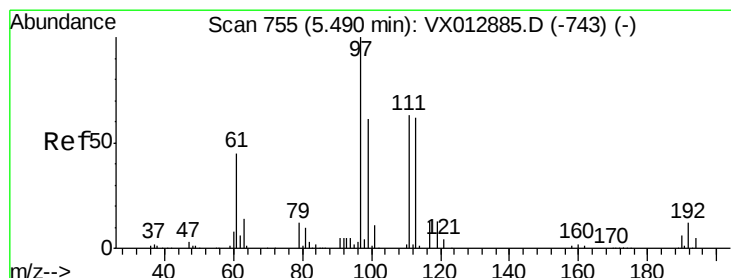
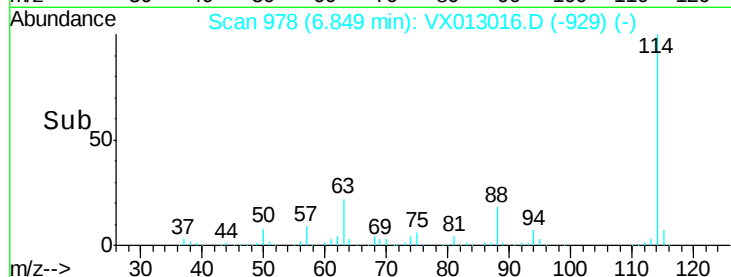
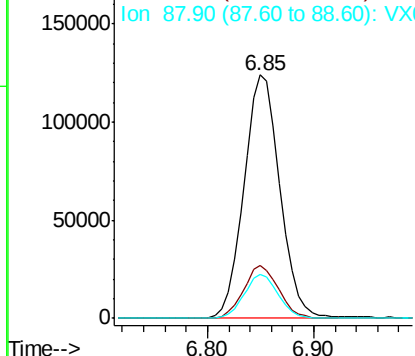
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

Instrument :
MSVOA_X
ClientSampleId :
20190853-COMPOSITE-E

Tot Ion:114 Resp: 293660
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.8
88 18.1 0.0 33.8

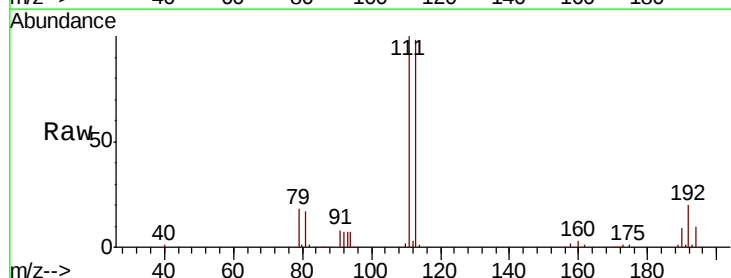


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

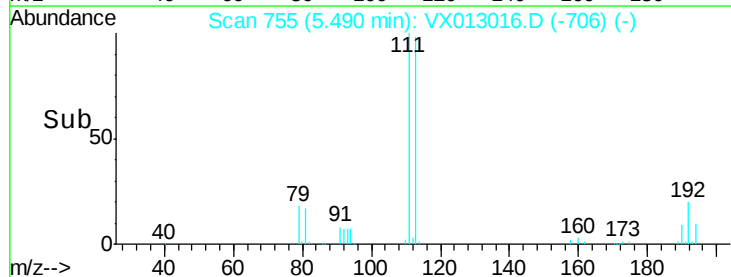
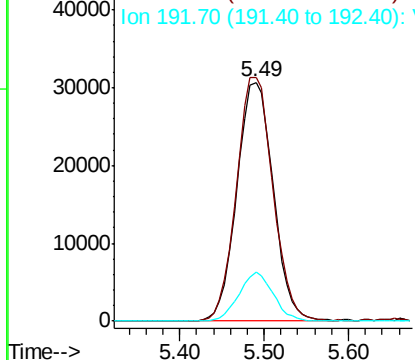


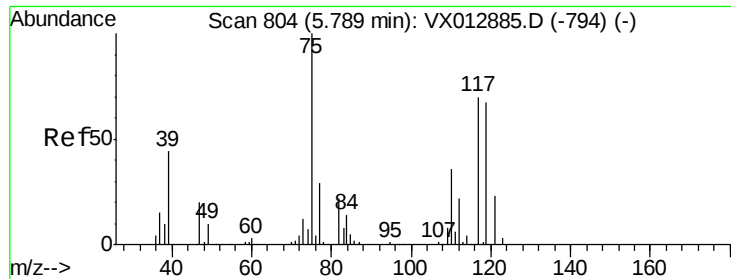
#35
Dibromofluoromethane
Concen: 53.228 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

Tgt Ion:113 Resp: 89714
Ion Ratio Lower Upper
113 100
111 102.4 83.2 124.8
192 19.1 15.4 23.2



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

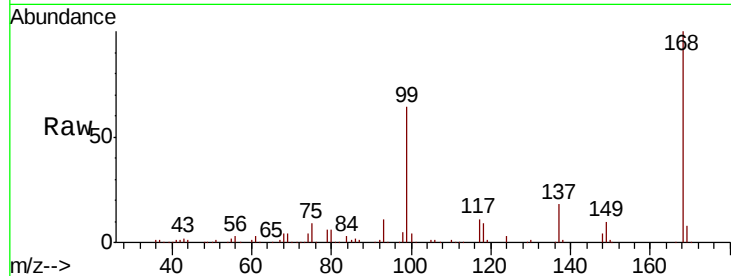




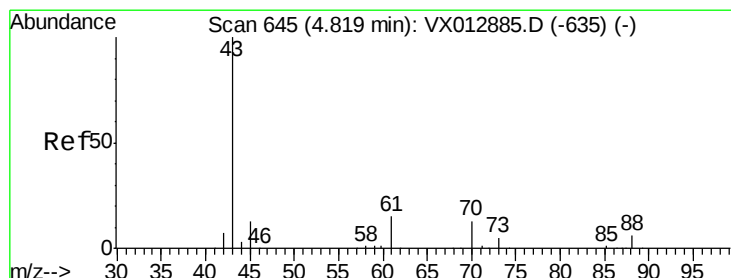
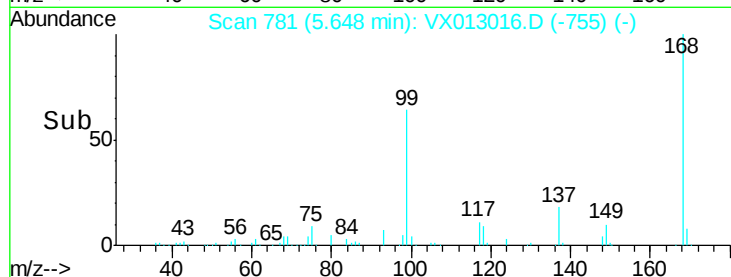
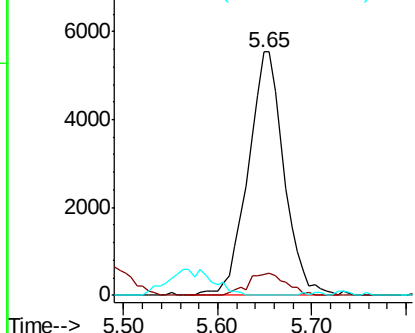
#36
 1,1-Dichloropropene
 Concen: 5.705 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013016.D
 Acq: 11 Oct 2019 07:39

Instrument :
 MSVOA_X
 ClientSampleId :
 20190853-COMPOSITE-E

Tot Ion: 75 Resp: 14730
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.6 52.9#
 77 0.0 24.4 36.6#

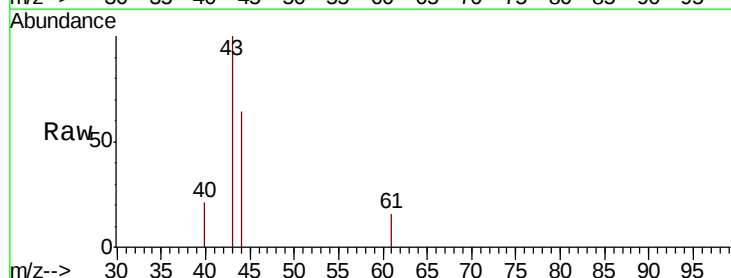


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

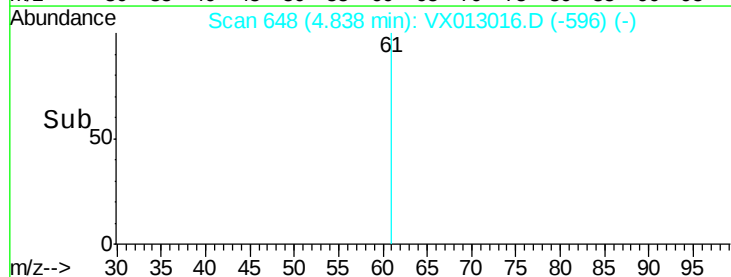
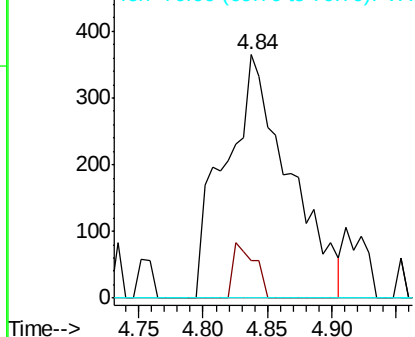


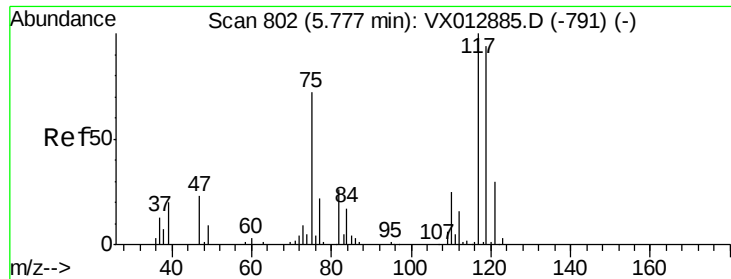
#37
 Ethyl Acetate
 Concen: 0.435 ug/l
 RT: 4.84 min Scan# 648
 Delta R.T. 0.02 min
 Lab File: VX013016.D
 Acq: 11 Oct 2019 07:39

Tgt Ion: 43 Resp: 1257
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.4 17.0#
 70 0.0 9.8 14.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 70.00 (69.70 to 70.70): VX0

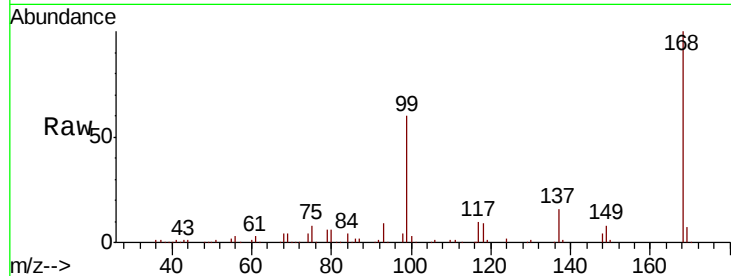




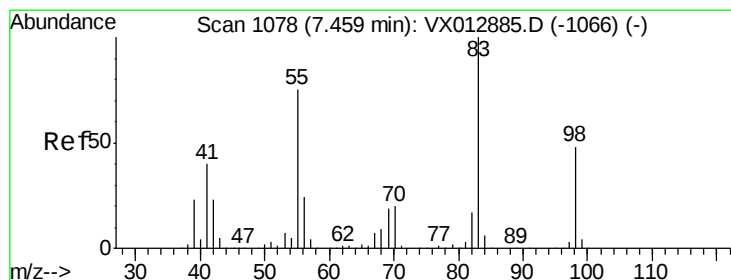
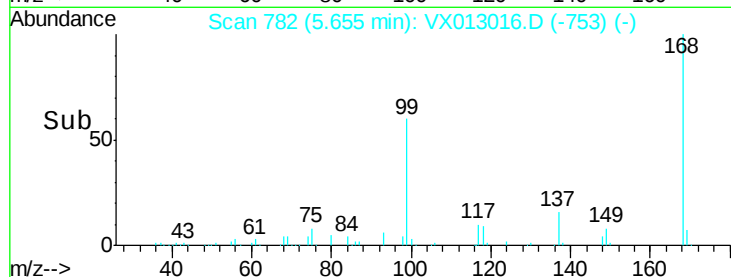
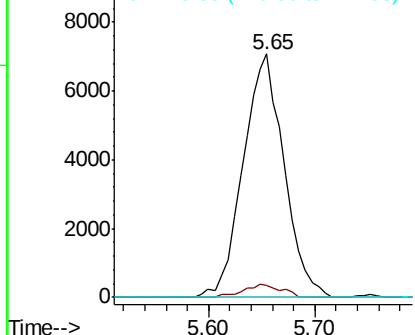
#38
Carbon Tetrachloride
Concen: 7.569 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

Instrument :
MSVOA_X
ClientSampleId :
20190853-COMPOSITE-E

Tot Ion:117 Resp: 19021
Ion Ratio Lower Upper
117 100
119 5.0 74.5 111.7#
121 0.0 24.2 36.4#

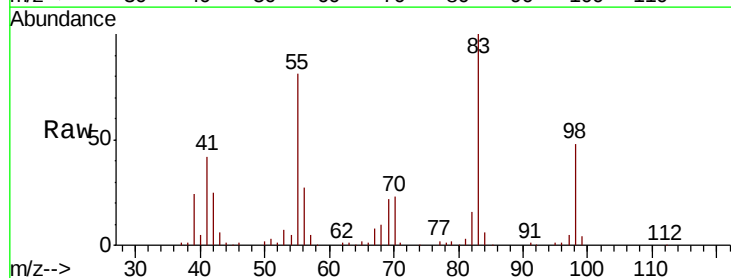


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

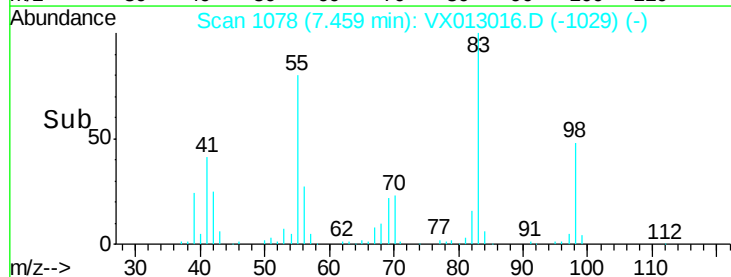
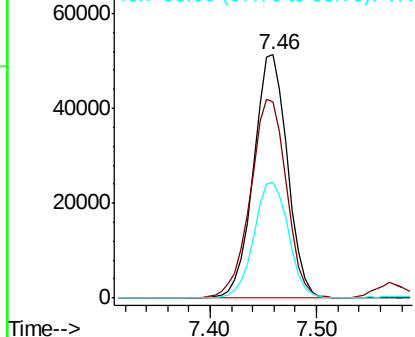


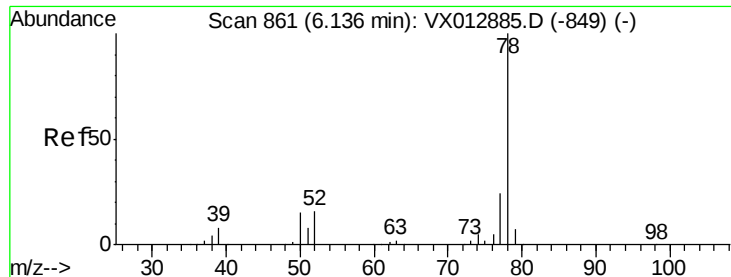
#39
Methylcyclohexane
Concen: 36.614 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

Tgt Ion: 83 Resp: 114643
Ion Ratio Lower Upper
83 100
55 80.6 60.2 90.4
98 47.7 38.5 57.7



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





#40

Benzene

Concen: 23.907 ug/l

RT: 6.14 min Scan# 861

Delta R.T. -0.00 min

Lab File: VX013016.D

Acq: 11 Oct 2019 07:39

Instrument :

MSVOA_X

ClientSampleId :

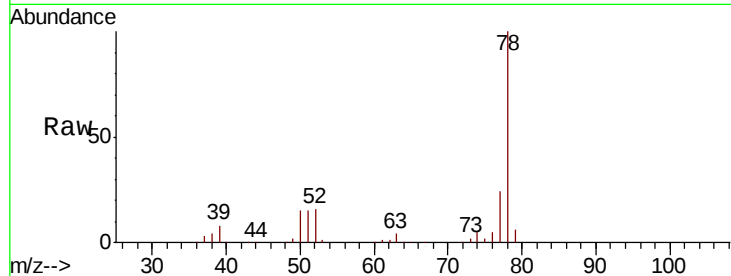
20190853-COMPOSITE-E

Tot Ion: 78 Resp: 182307

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.14

80000

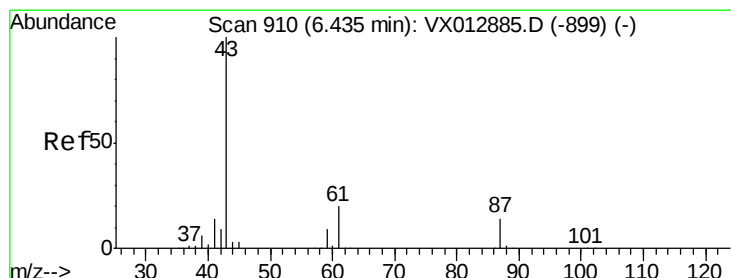
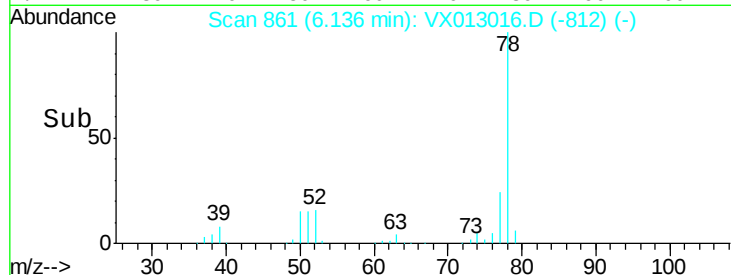
60000

40000

20000

0

Time-->



#43

Isopropyl Acetate

Concen: 48.226 ug/l

RT: 6.34 min Scan# 895

Delta R.T. -0.09 min

Lab File: VX013016.D

Acq: 11 Oct 2019 07:39

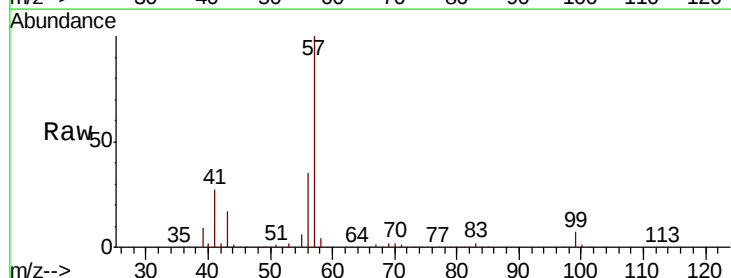
Tgt Ion: 43 Resp: 223466

Ion Ratio Lower Upper

43 100

61 0.0 16.6 24.8#

87 0.0 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

6.34

80000

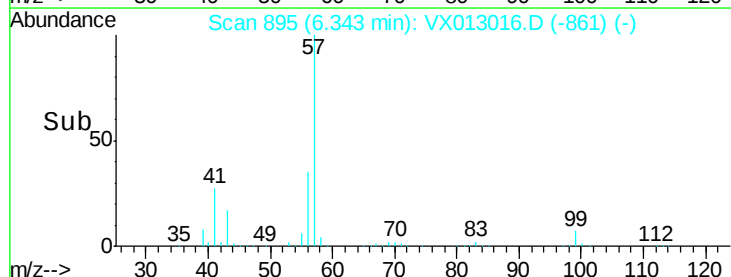
60000

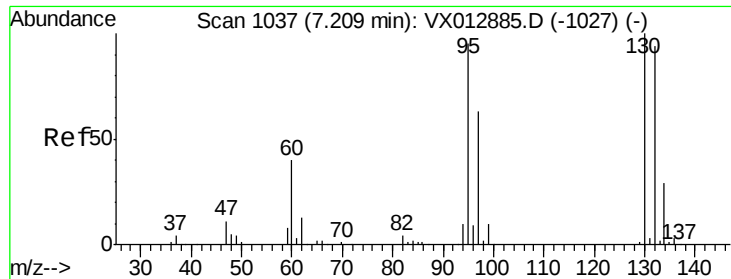
40000

20000

0

Time-->





#44

Trichloroethene

Concen: 0.562 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX013016.D

Acq: 11 Oct 2019 07:39

Instrument :

MSVOA_X

ClientSampleId :

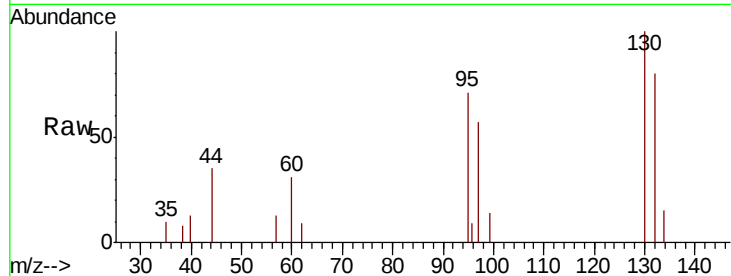
20190853-COMPOSITE-E

Tot Ion:130 Resp: 1189

Ion Ratio Lower Upper

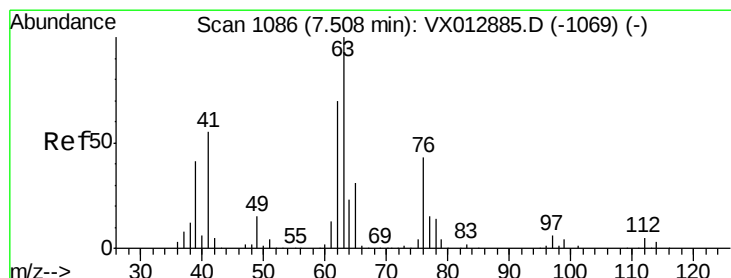
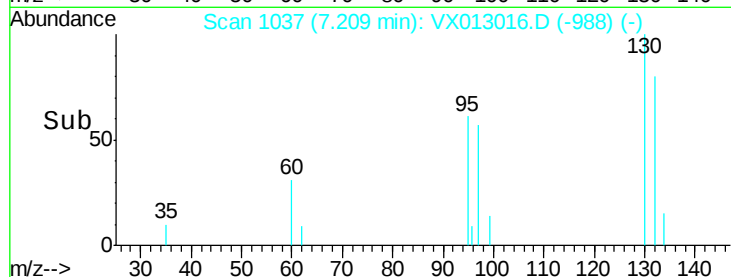
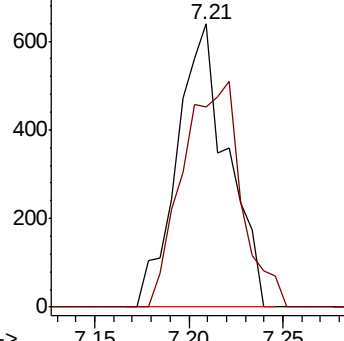
130 100

95 70.7 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 0.679 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. -0.05 min

Lab File: VX013016.D

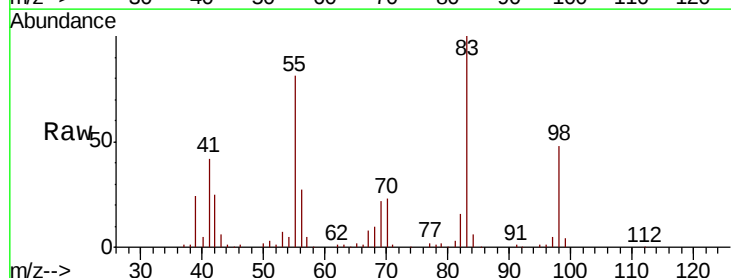
Acq: 11 Oct 2019 07:39

Tgt Ion: 63 Resp: 1319

Ion Ratio Lower Upper

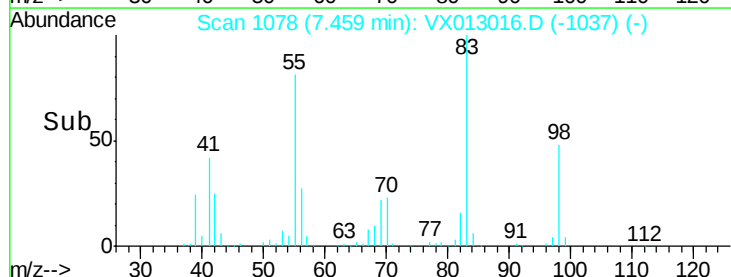
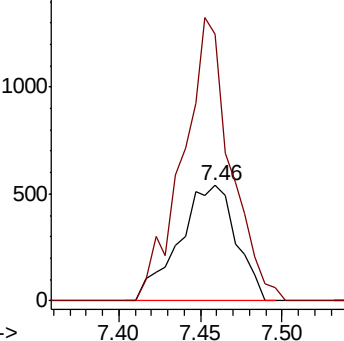
63 100

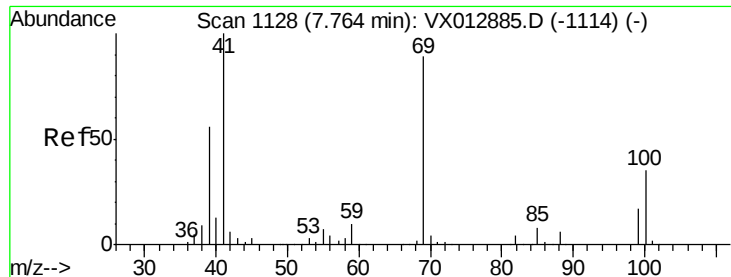
65 230.9 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

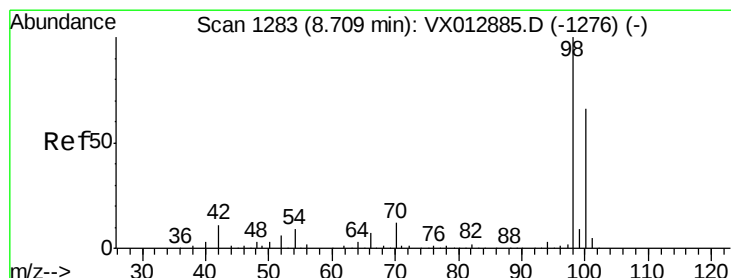
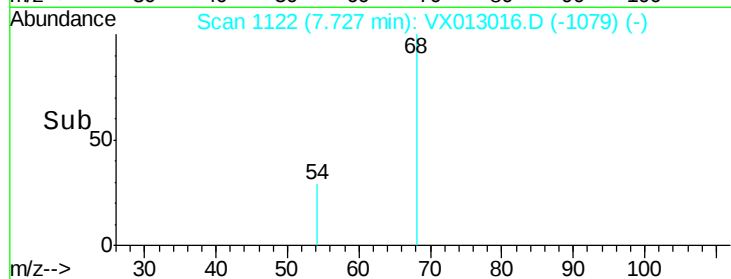
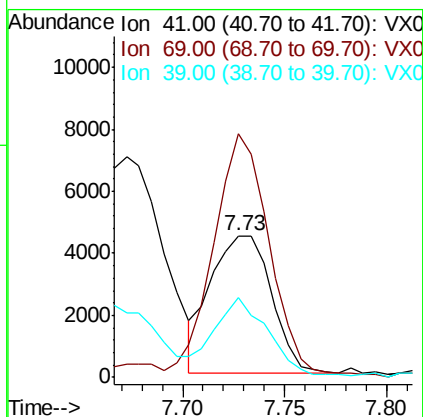
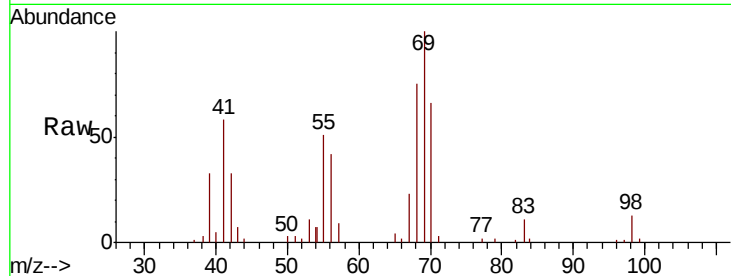




#48
Methyl methacrylate
Concen: 4.065 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.04 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

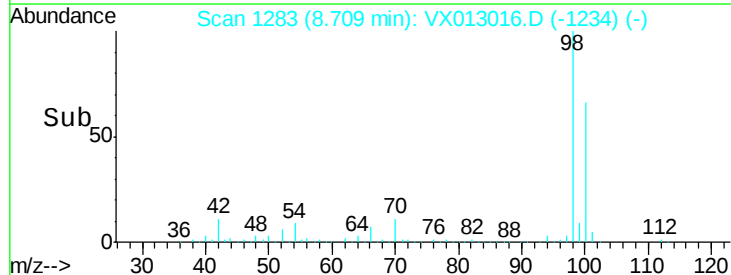
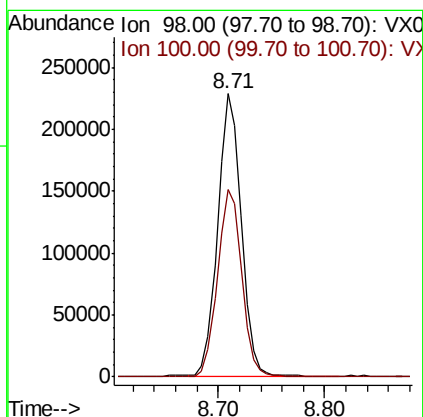
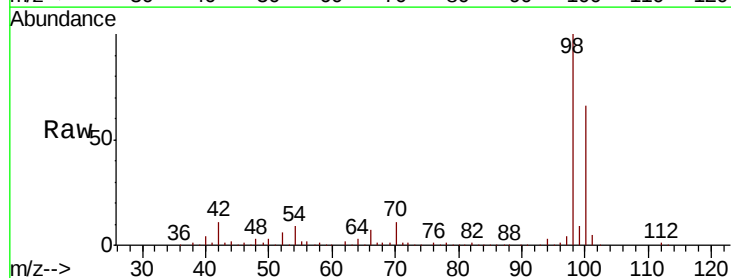
Instrument :
MSVOA_X
ClientSampleId :
20190853-COMPOSITE-E

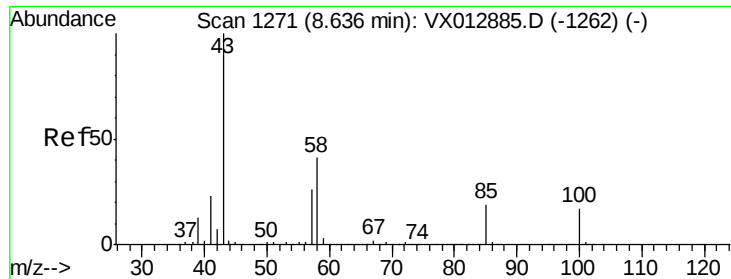
Tot Ion: 41 Resp: 9180
Ion Ratio Lower Upper
41 100
69 164.4 68.7 103.1#
39 53.3 44.3 66.5



#50
Toluene-d8
Concen: 53.179 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

Tgt Ion: 98 Resp: 349581
Ion Ratio Lower Upper
98 100
100 68.8 53.4 80.2





#51

4-Methyl-2-Pentanone

Concen: 4.678 ug/l

RT: 8.67 min Scan# 1277

Delta R.T. 0.04 min

Lab File: VX013016.D

Acq: 11 Oct 2019 07:39

Instrument :

MSVOA_X

ClientSampleId :

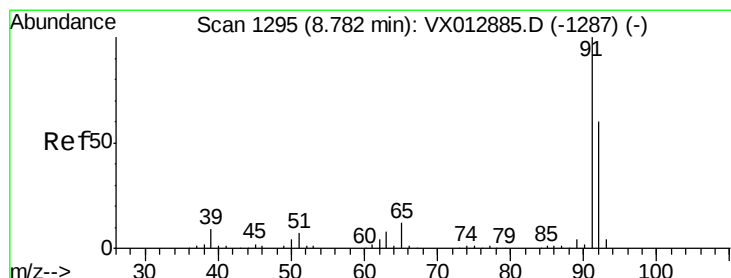
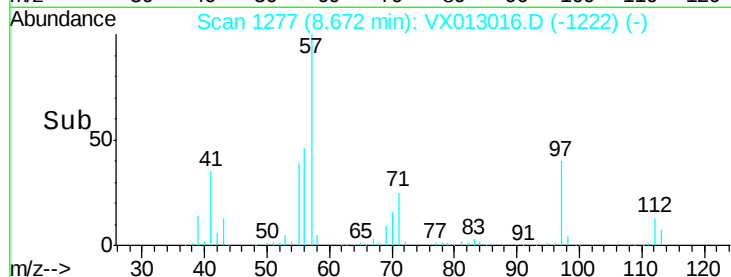
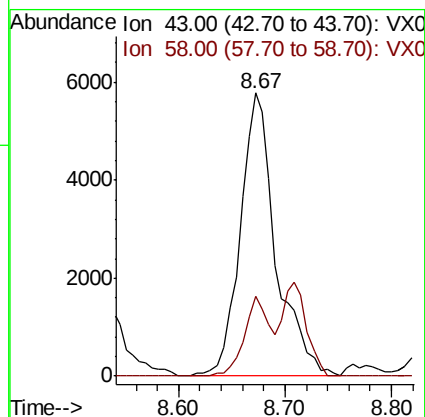
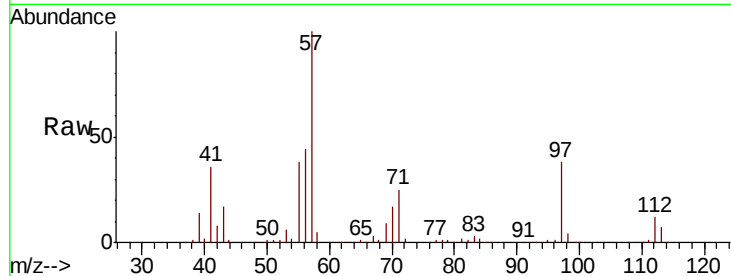
20190853-COMPOSITE-E

Tot Ion: 43 Resp: 13516

Ion Ratio Lower Upper

43 100

58 20.3 32.4 48.6#



#52

Toluene

Concen: 3.175 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013016.D

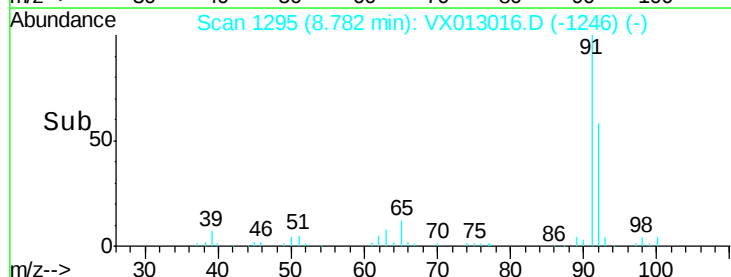
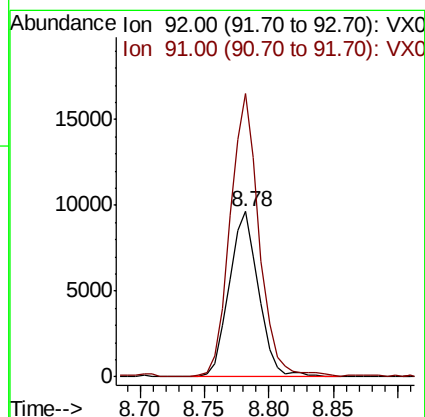
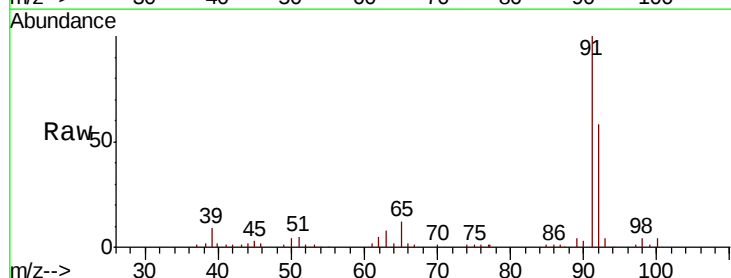
Acq: 11 Oct 2019 07:39

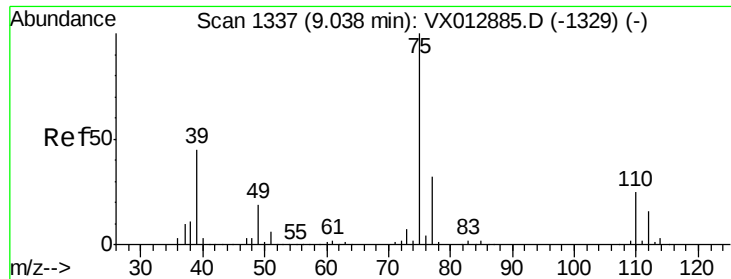
Tgt Ion: 92 Resp: 15487

Ion Ratio Lower Upper

92 100

91 167.9 135.9 203.9

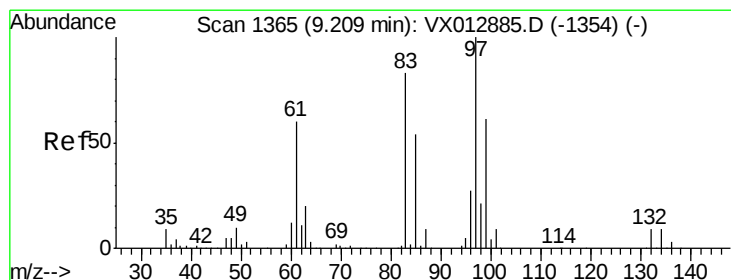
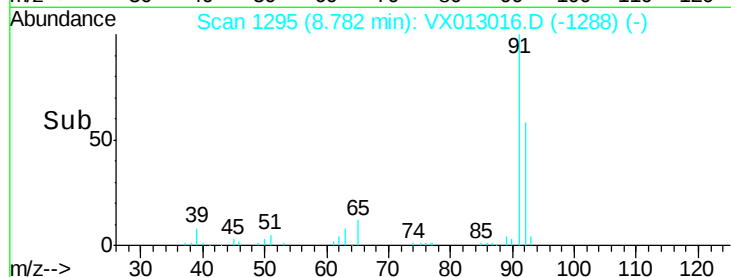
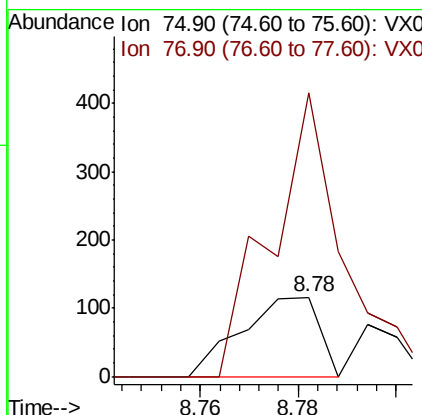
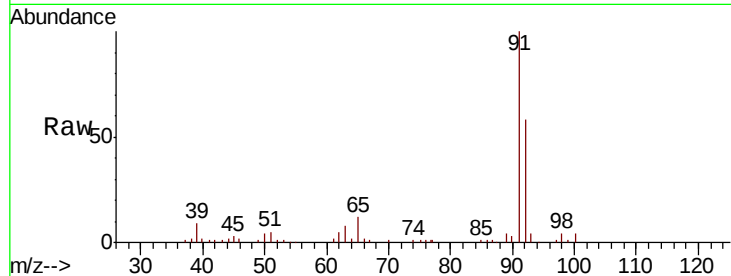




#53
t-1,3-Dichloropropene
Concen: 2.208 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. -0.26 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

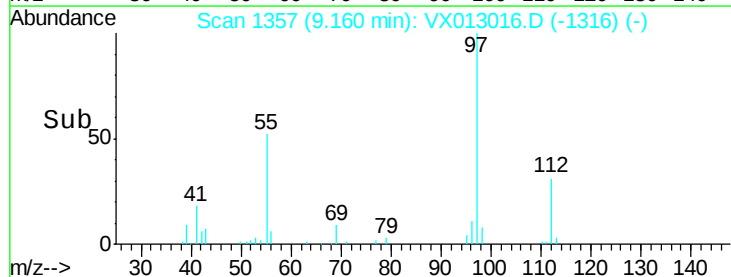
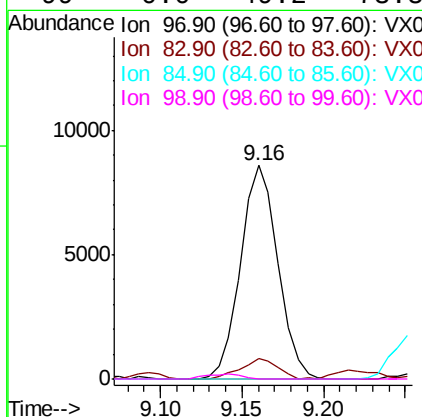
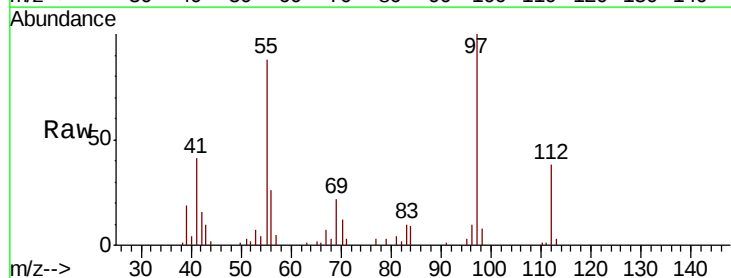
Instrument :
MSVOA_X
ClientSampleId :
20190853-COMPOSITE-E

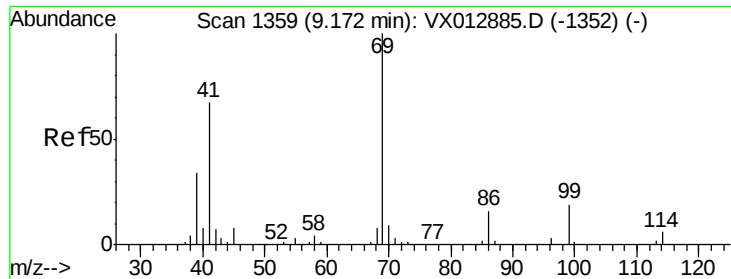
Tot Ion: 75 Resp: 128
Ion Ratio Lower Upper
75 100
77 357.8 25.8 38.6#



#55
1,1,2-Trichloroethane
Concen: 7.081 ug/l
RT: 9.16 min Scan# 1357
Delta R.T. -0.05 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

Tgt Ion: 97 Resp: 13671
Ion Ratio Lower Upper
97 100
83 9.6 66.5 99.7#
85 0.0 43.1 64.7#
99 0.0 49.2 73.8#

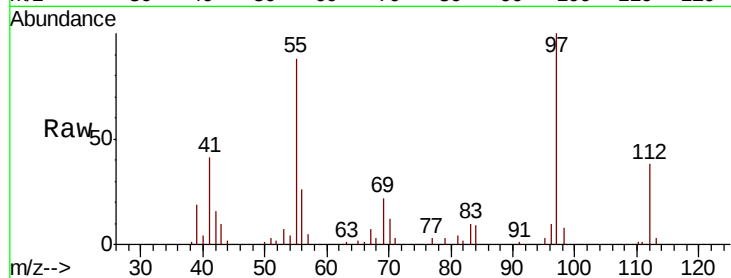




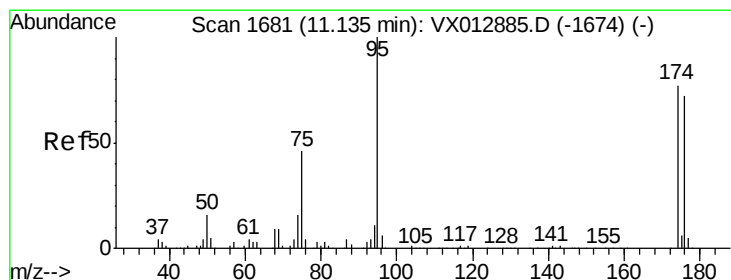
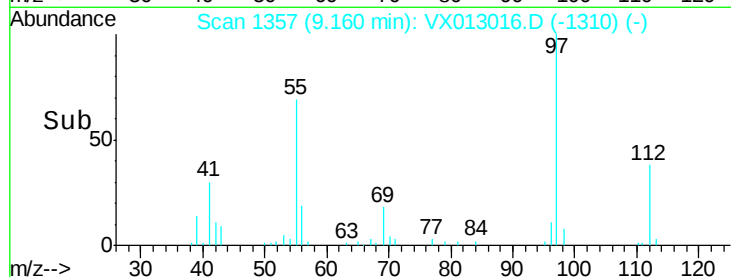
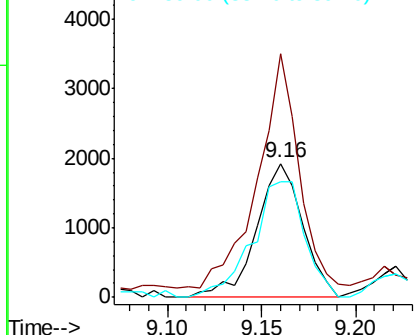
#56
Ethyl methacrylate
Concen: 2.744 ug/l
RT: 9.16 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

Instrument :
MSVOA_X
ClientSampleId :
20190853-COMPOSITE-E

Tot Ion: 69 Resp: 3274
Ion Ratio Lower Upper
69 100
41 153.3 52.1 78.1#
39 98.1 27.8 41.8#

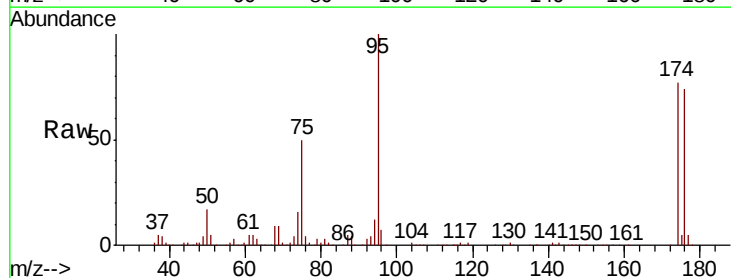


Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

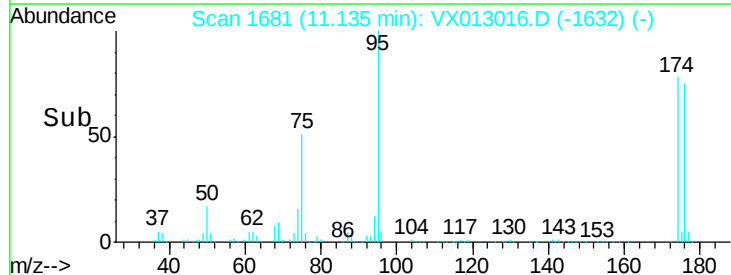
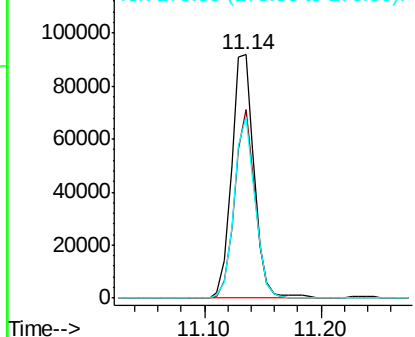


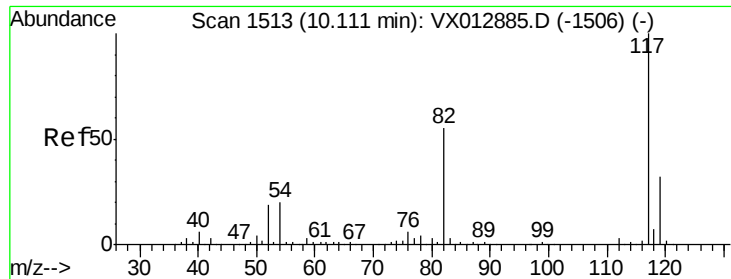
#62
4-Bromofluorobenzene
Concen: 48.442 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

Tgt Ion: 95 Resp: 123733
Ion Ratio Lower Upper
95 100
174 70.3 0.0 143.4
176 69.3 0.0 136.0



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

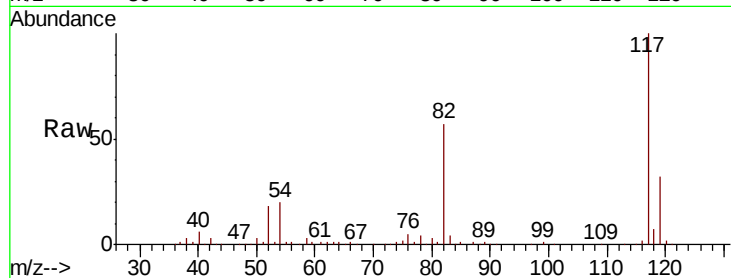




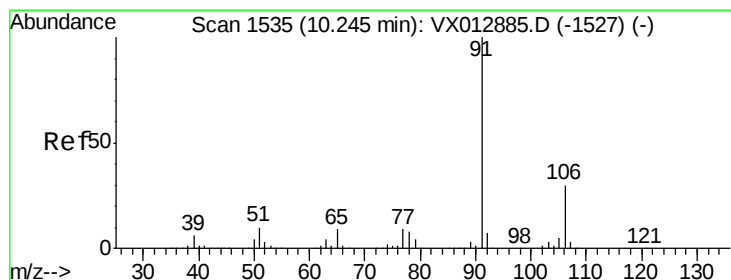
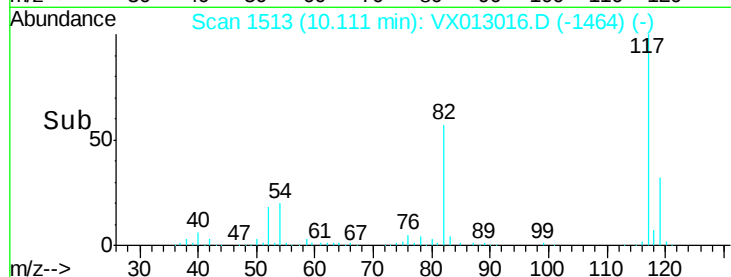
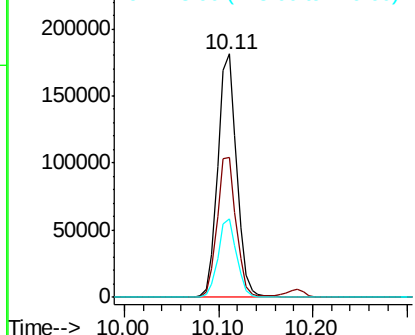
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

Instrument :
MSVOA_X
ClientSampleId :
20190853-COMPOSITE-E

Tot Ion:117 Resp: 252115
Ion Ratio Lower Upper
117 100
82 57.3 44.1 66.1
119 32.5 25.8 38.8

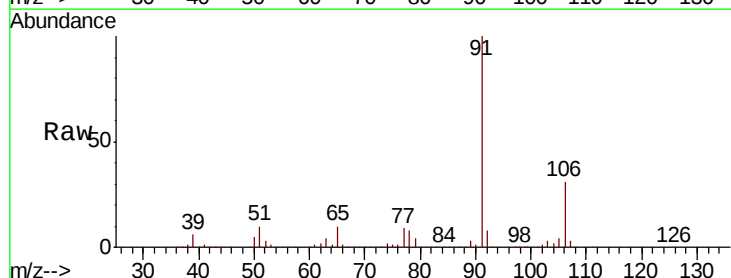


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

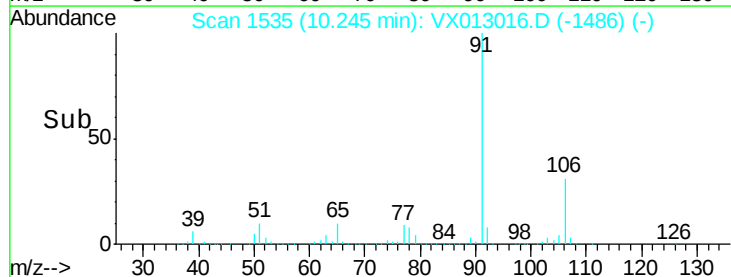
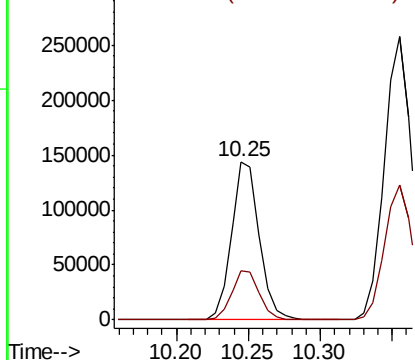


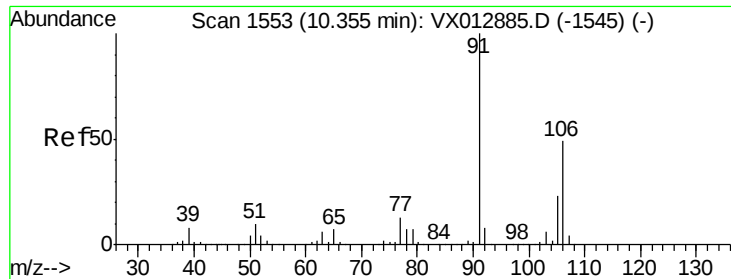
#67
Ethyl Benzene
Concen: 21.878 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

Tgt Ion: 91 Resp: 194564
Ion Ratio Lower Upper
91 100
106 30.7 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

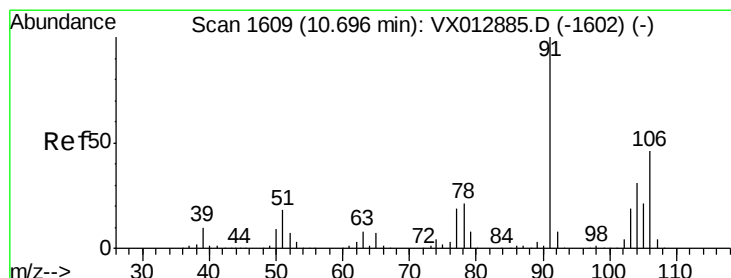
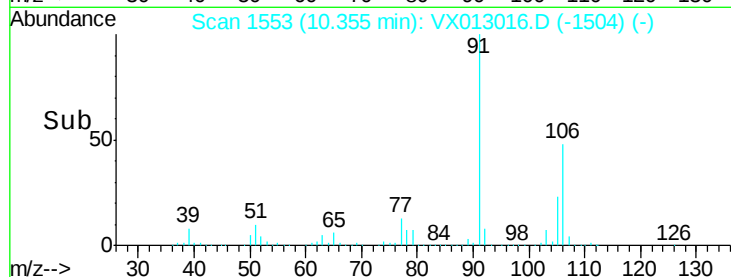
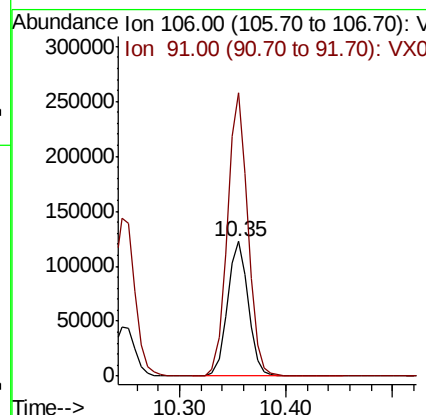
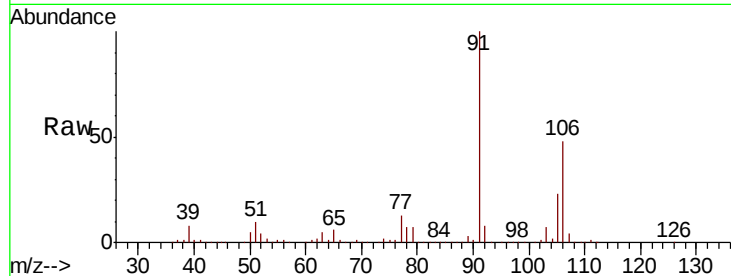




#68
m/p-Xylenes
Concen: 50.347 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

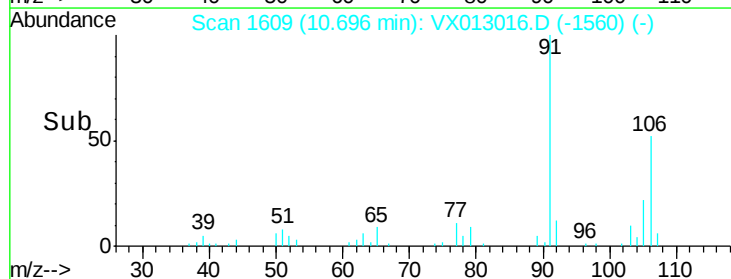
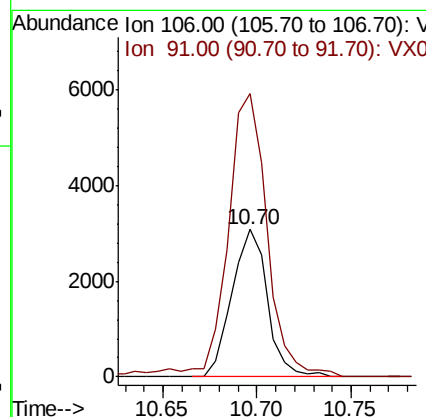
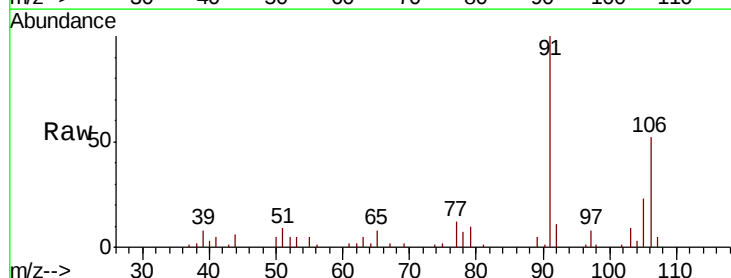
Instrument :
MSVOA_X
ClientSampleId :
20190853-COMPOSITE-E

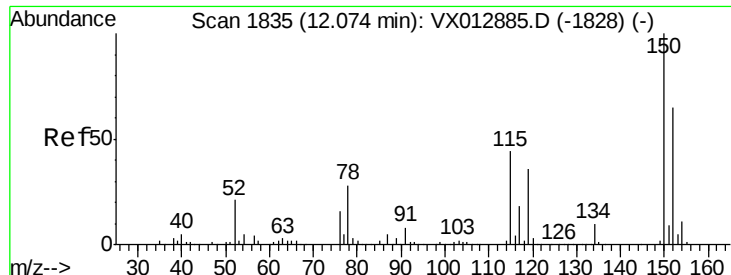
Tot Ion:106 Resp: 167269
Ion Ratio Lower Upper
106 100
91 206.5 165.3 247.9



#69
o-Xylene
Concen: 1.242 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

Tgt Ion:106 Resp: 4024
Ion Ratio Lower Upper
106 100
91 216.9 109.1 327.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013016.D

Acq: 11 Oct 2019 07:39

Instrument :

MSVOA_X

ClientSampleId :

20190853-COMPOSITE-E

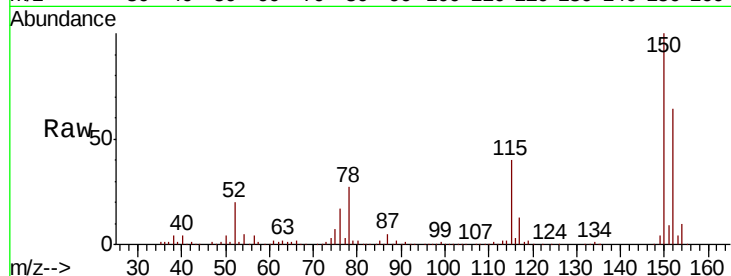
Tot Ion:152 Resp: 106446

Ion Ratio Lower Upper

152 100

115 64.9 44.5 133.5

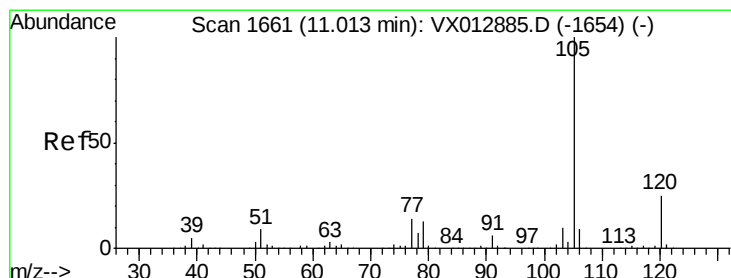
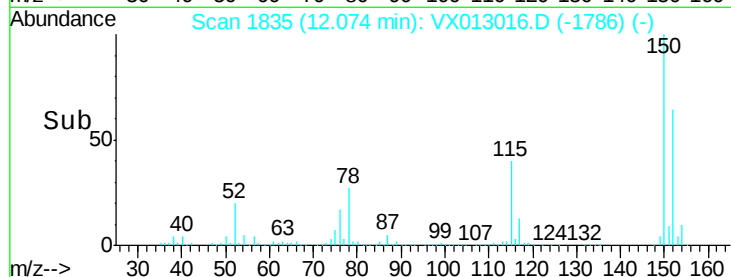
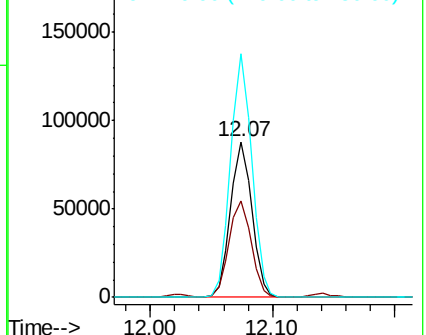
150 155.2 0.0 353.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 9.053 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013016.D

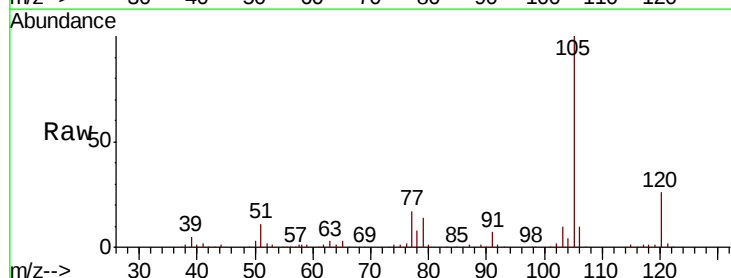
Acq: 11 Oct 2019 07:39

Tgt Ion:105 Resp: 70846

Ion Ratio Lower Upper

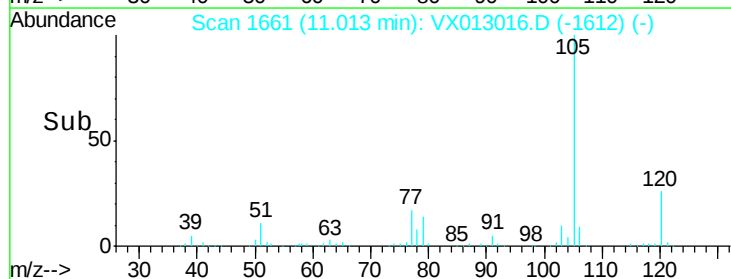
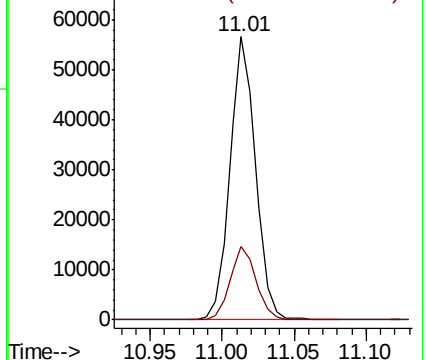
105 100

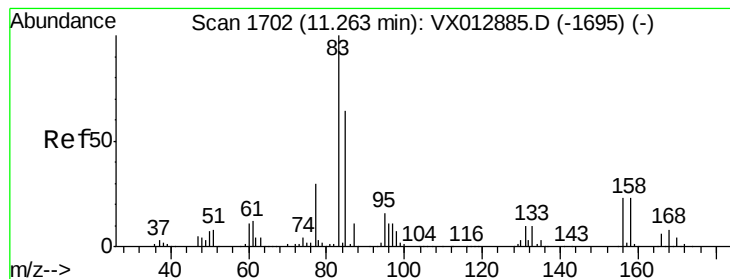
120 26.1 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.236 ug/l

RT: 11.27 min Scan# 1703

Delta R.T. 0.01 min

Lab File: VX013016.D

Acq: 11 Oct 2019 07:39

Instrument :

MSVOA_X

ClientSampleId :

20190853-COMPOSITE-E

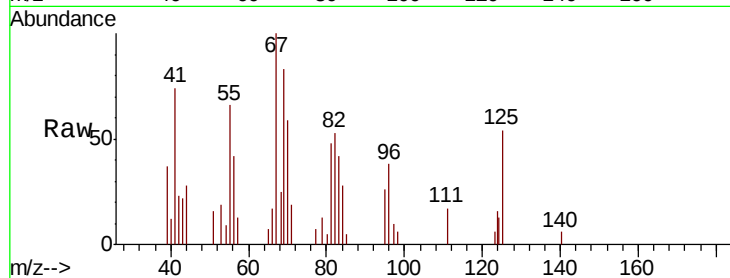
Tot Ion: 83 Resp: 613

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

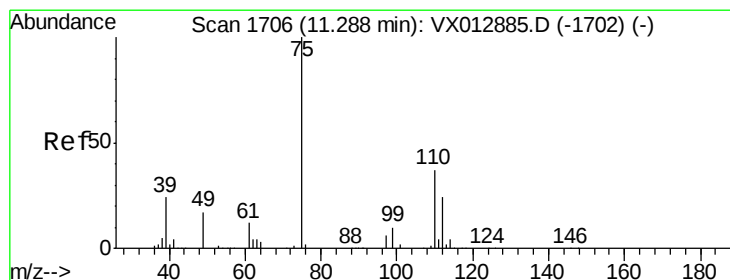
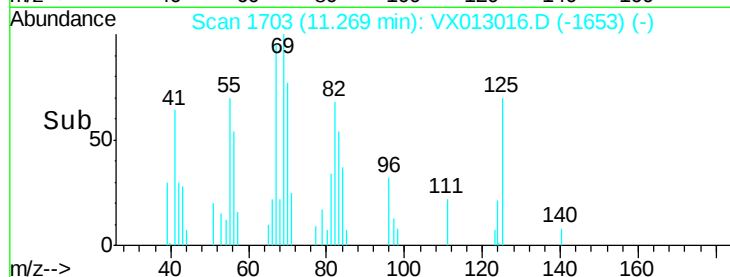
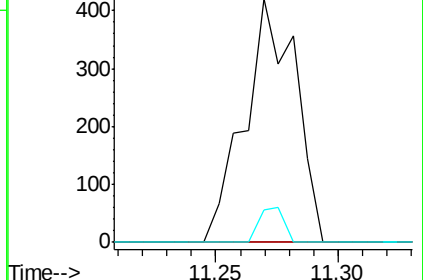
85 6.9 32.1 96.5#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 26.152 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013016.D

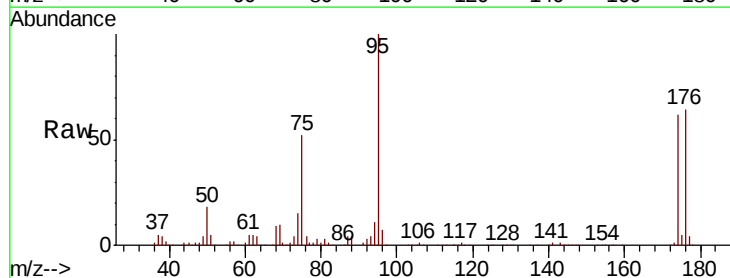
Acq: 11 Oct 2019 07:39

Tgt Ion: 75 Resp: 61745

Ion Ratio Lower Upper

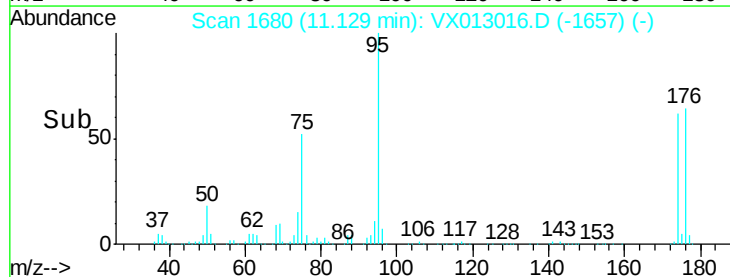
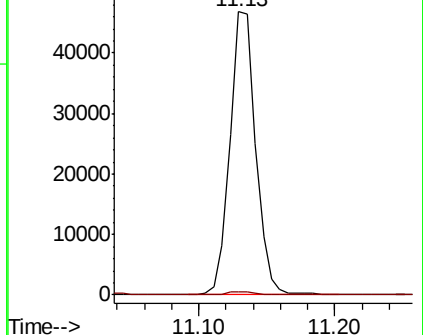
75 100

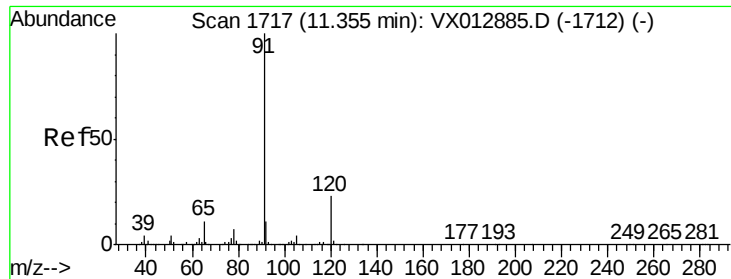
77 1.3 22.9 68.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 9.930 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013016.D

Acq: 11 Oct 2019 07:39

Instrument :

MSVOA_X

ClientSampleId :

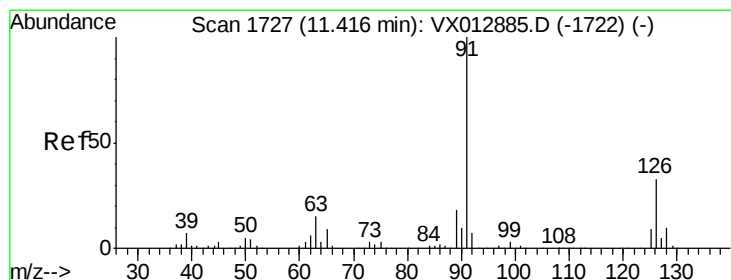
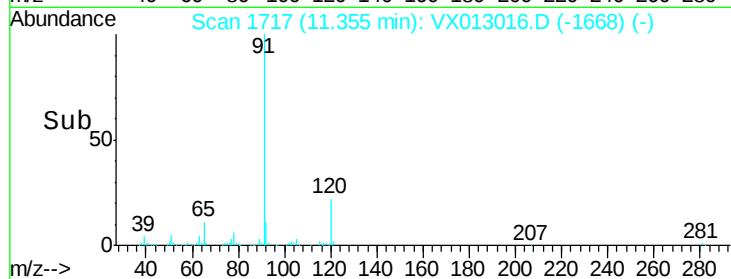
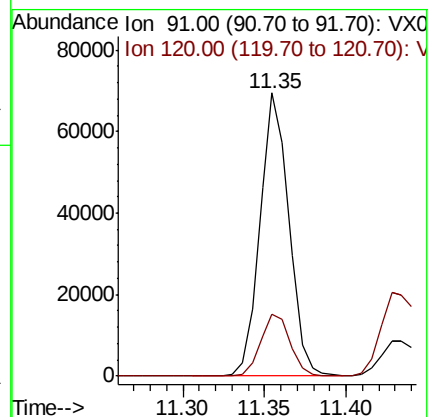
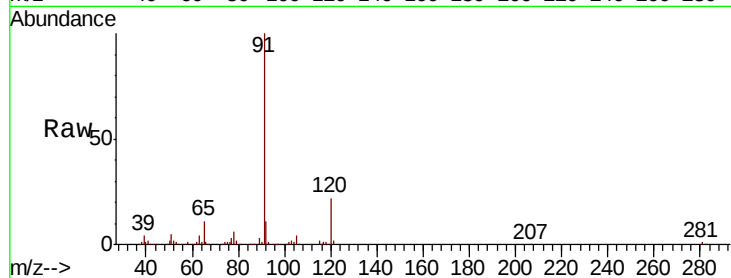
20190853-COMPOSITE-E

Tot Ion: 91 Resp: 85515

Ion Ratio Lower Upper

91 100

120 22.4 11.7 35.1



#79

2-Chlorotoluene

Concen: 3.623 ug/l

RT: 11.43 min Scan# 1729

Delta R.T. 0.01 min

Lab File: VX013016.D

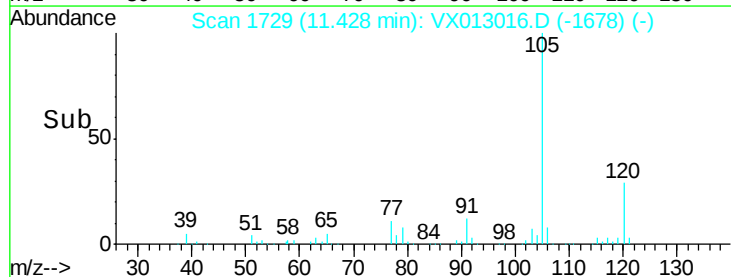
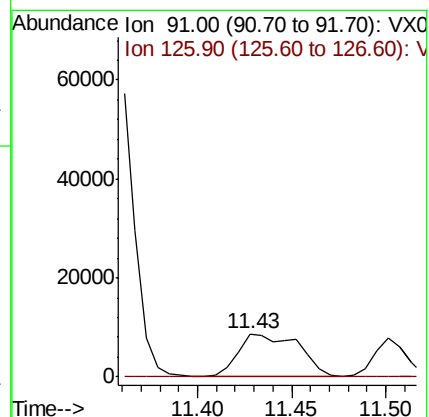
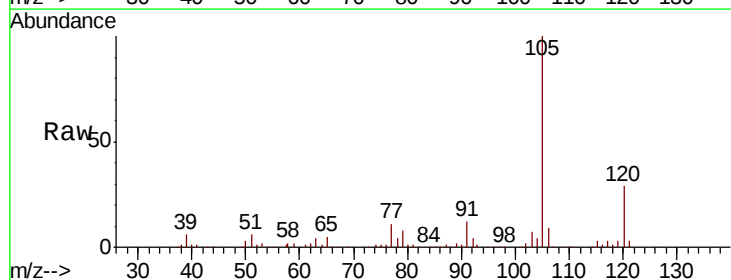
Acq: 11 Oct 2019 07:39

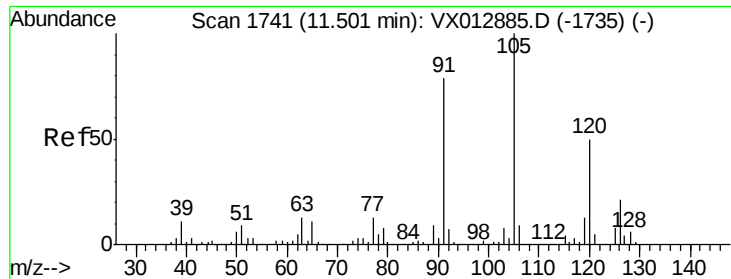
Tgt Ion: 91 Resp: 19610

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#

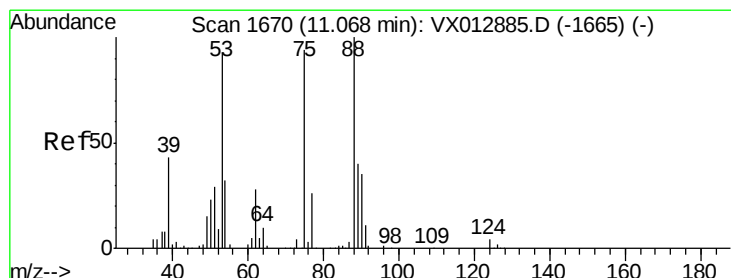
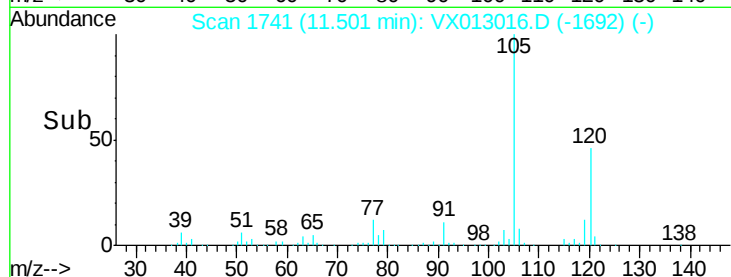
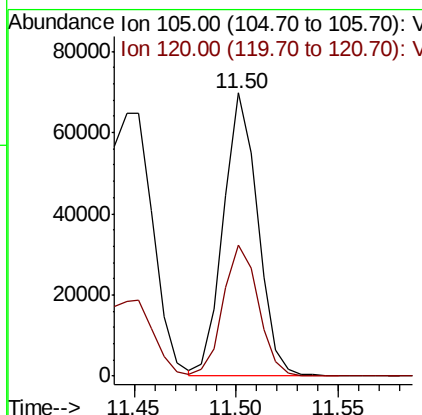
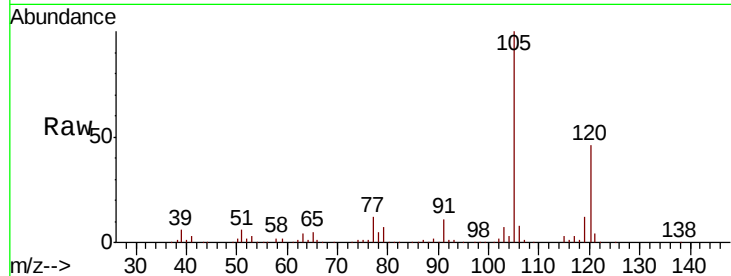




#80
 1,3,5-Trimethylbenzene
 Concen: 12.382 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013016.D
 Acq: 11 Oct 2019 07:39

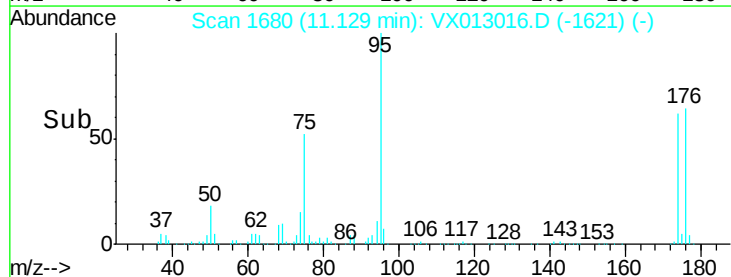
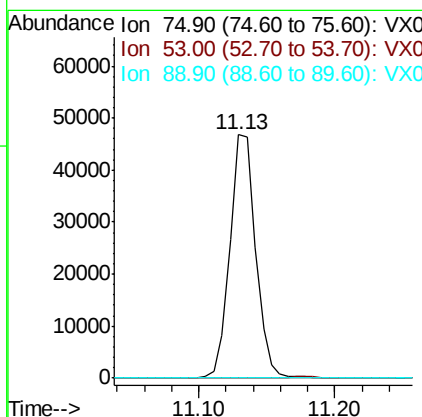
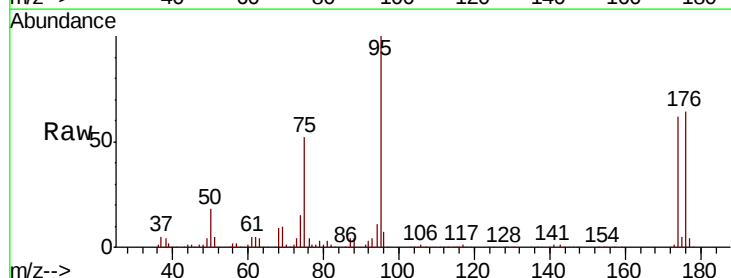
Instrument :
 MSVOA_X
 ClientSampleId :
 20190853-COMPOSITE-E

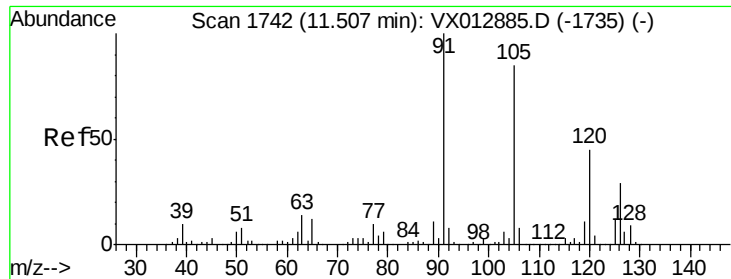
Tot Ion:105 Resp: 80914
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.8 74.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.841 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013016.D
 Acq: 11 Oct 2019 07:39

Tgt Ion: 75 Resp: 61745
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.4 56.2#

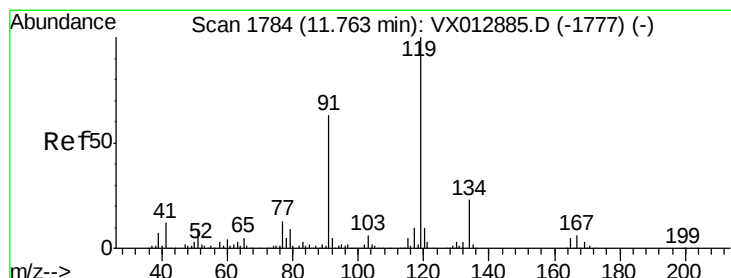
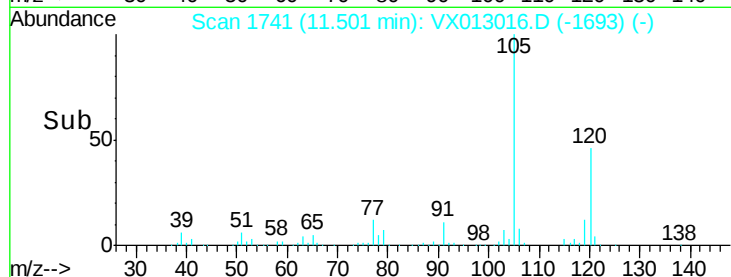
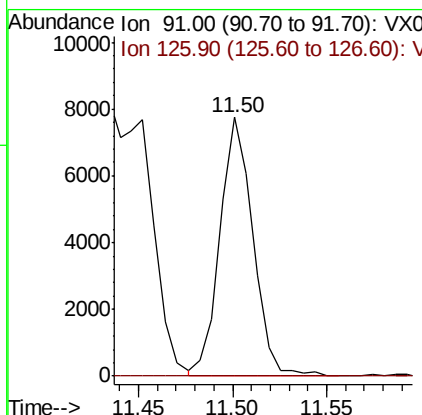
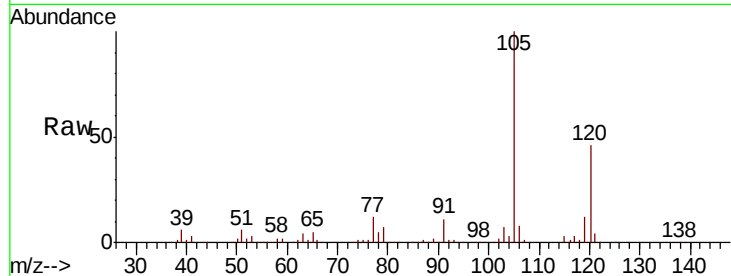




#82
4-Chlorotoluene
Concen: 1.518 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

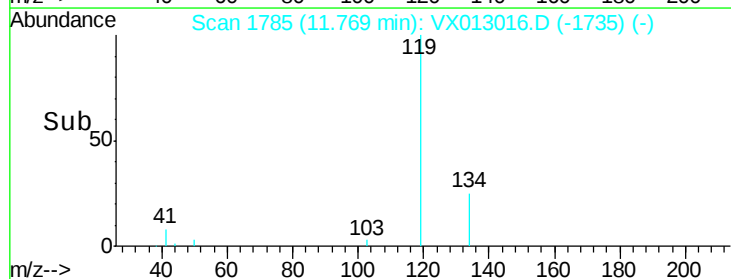
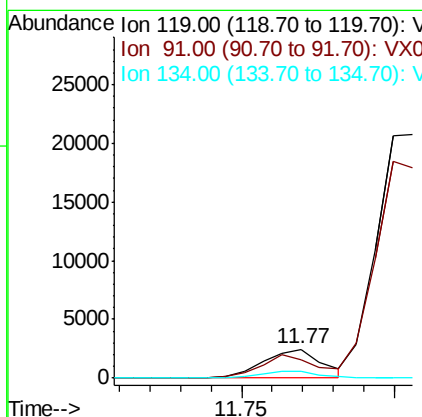
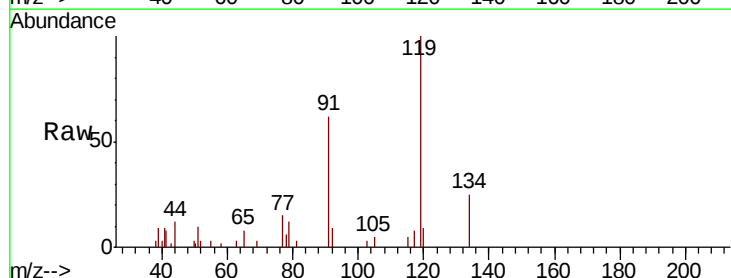
Instrument :
MSVOA_X
ClientSampleId :
20190853-COMPOSITE-E

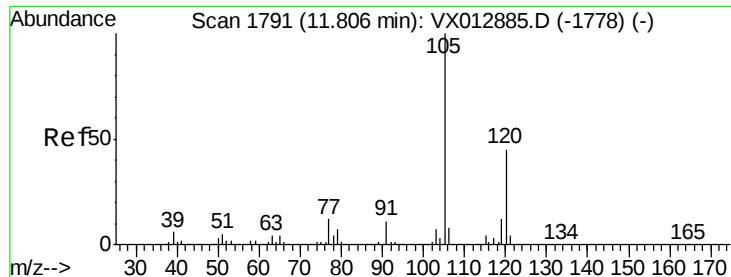
Tot Ion: 91 Resp: 9417
Ion Ratio Lower Upper
91 100
126 0.0 14.2 42.6#



#83
tert-Butylbenzene
Concen: 0.504 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

Tgt Ion: 119 Resp: 3216
Ion Ratio Lower Upper
119 100
91 78.5 29.3 87.9
134 24.7 11.5 34.4

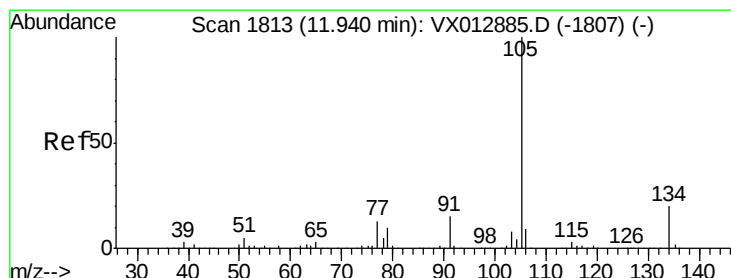
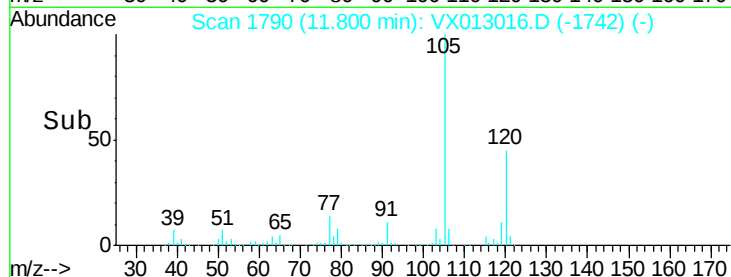
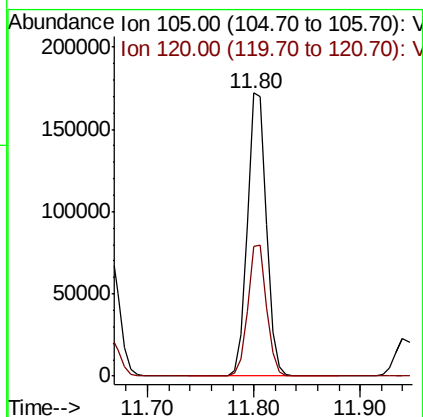
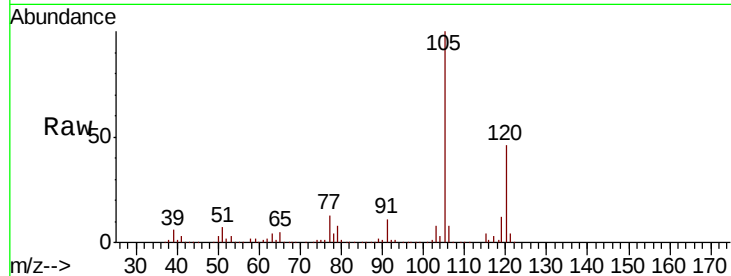




#84
 1,2,4-Trimethylbenzene
 Concen: 32.683 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX013016.D
 Acq: 11 Oct 2019 07:39

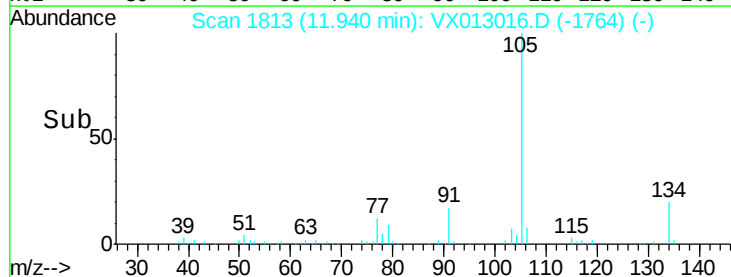
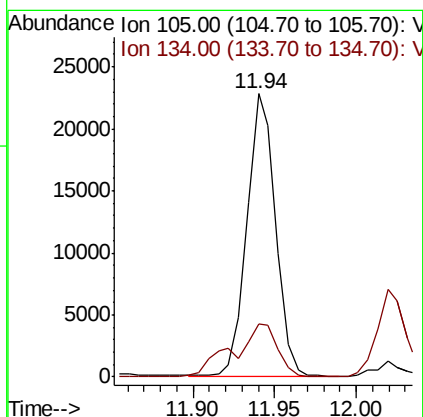
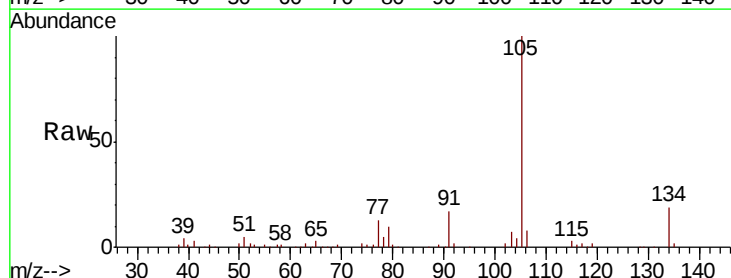
Instrument :
 MSVOA_X
 ClientSampleId :
 20190853-COMPOSITE-E

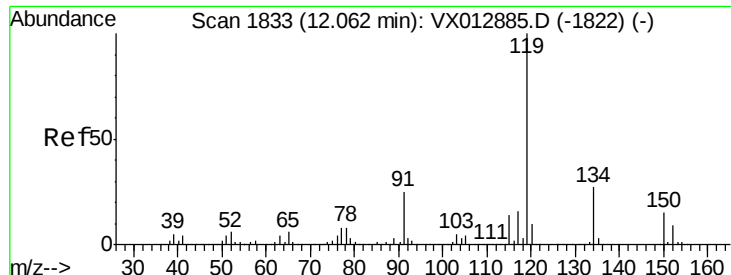
Tot Ion:105 Resp: 216306
 Ion Ratio Lower Upper
 105 100
 120 45.8 21.8 65.3



#85
 sec-Butylbenzene
 Concen: 3.807 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013016.D
 Acq: 11 Oct 2019 07:39

Tgt Ion:105 Resp: 28116
 Ion Ratio Lower Upper
 105 100
 134 29.2 10.0 30.0

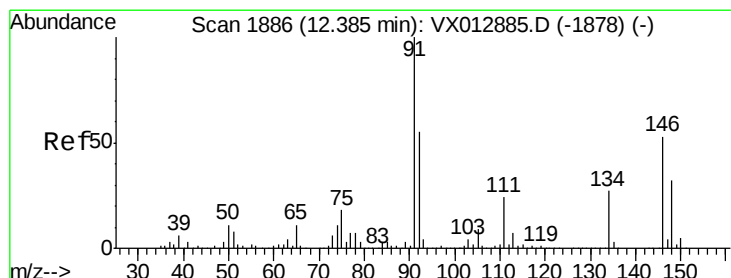
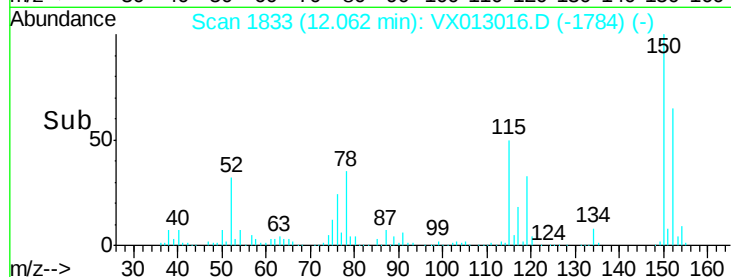
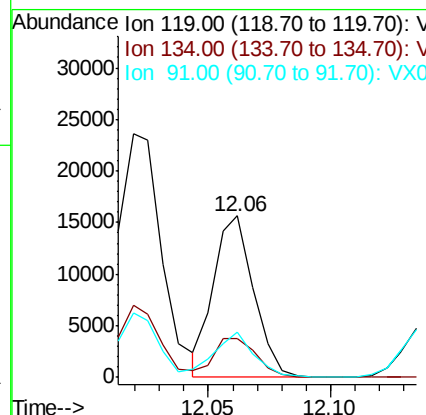
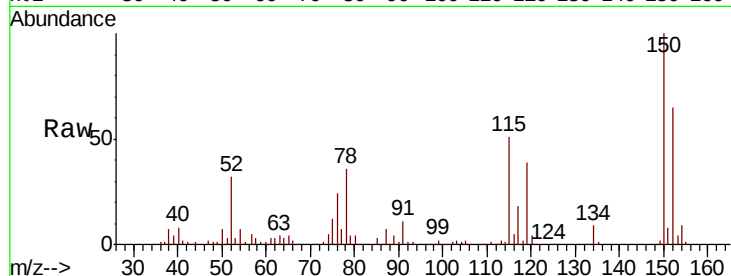




#86
p-Isopropyltoluene
Concen: 2.630 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

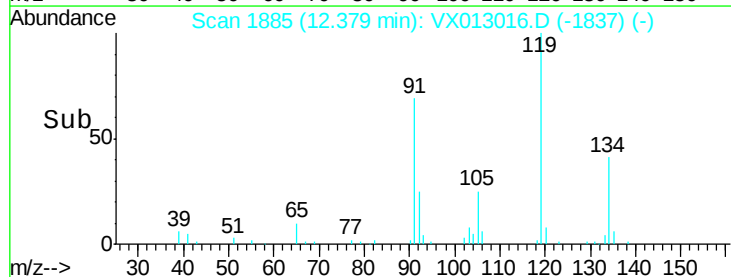
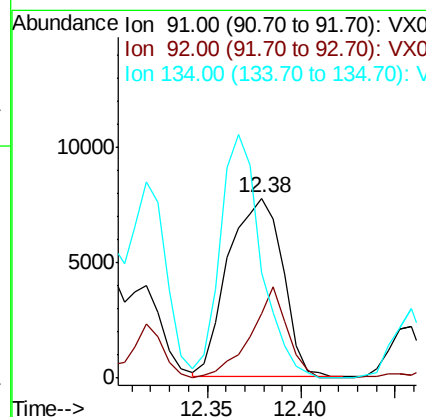
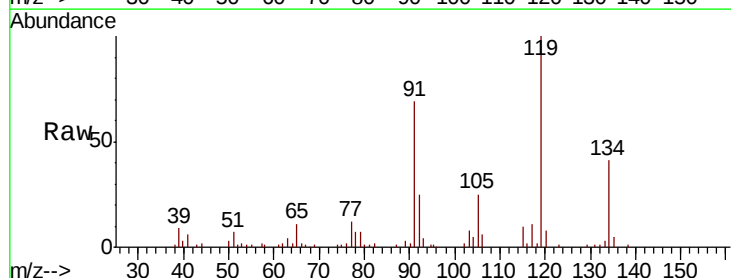
Instrument :
MSVOA_X
ClientSampleId :
20190853-COMPOSITE-E

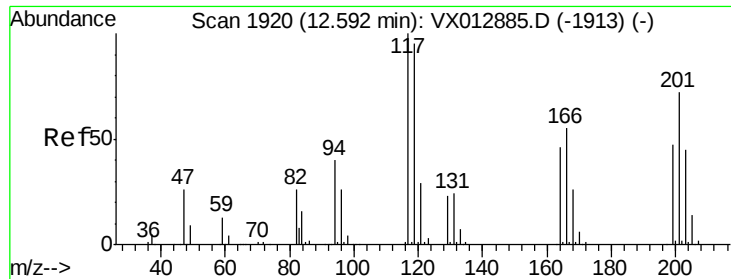
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	28.1	12.4	37.4



#89
n-Butylbenzene
Concen: 2.696 ug/l
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

Tgt Ion	Ratio	Lower	Upper
91	100		
92	34.1	27.5	82.5
134	102.2	12.9	38.7#





#90

Hexachloroethane

Concen: 4.115 ug/l

RT: 12.59 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VX013016.D

Acq: 11 Oct 2019 07:39

Instrument :

MSVOA_X

ClientSampleId :

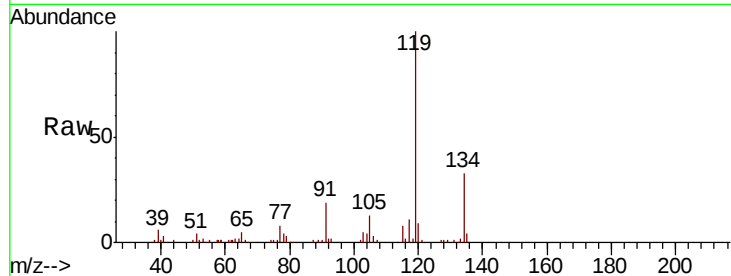
20190853-COMPOSITE-E

Tot Ion:117 Resp: 2646

Ion Ratio Lower Upper

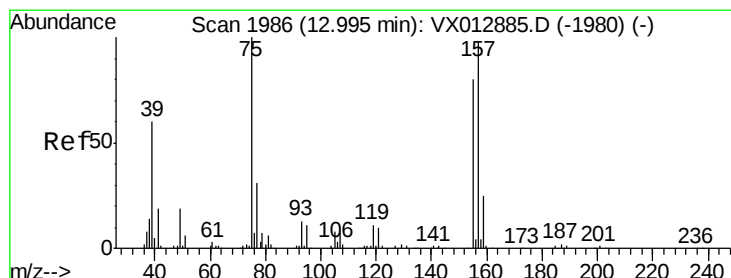
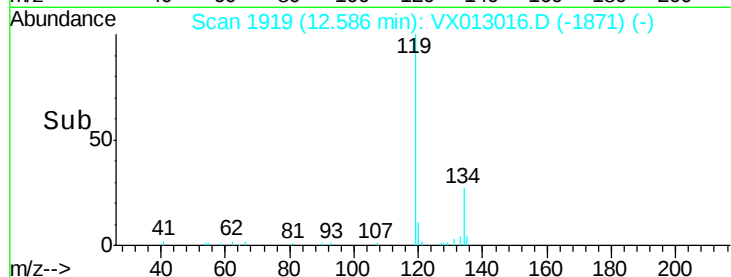
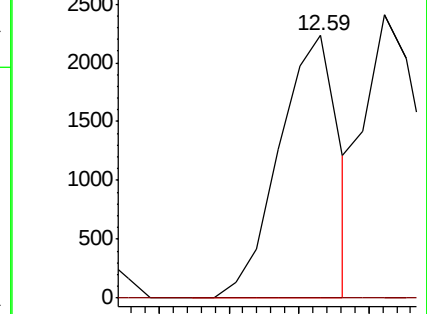
117 100

201 0.0 36.9 110.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.631 ug/l

RT: 13.01 min Scan# 1989

Delta R.T. 0.02 min

Lab File: VX013016.D

Acq: 11 Oct 2019 07:39

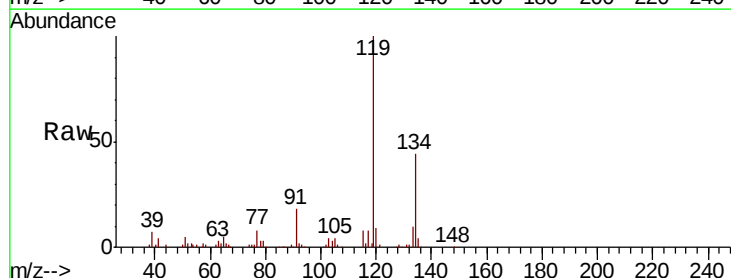
Tgt Ion: 75 Resp: 385

Ion Ratio Lower Upper

75 100

155 0.0 43.0 128.8#

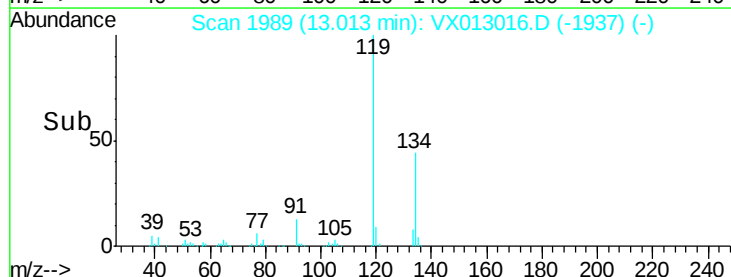
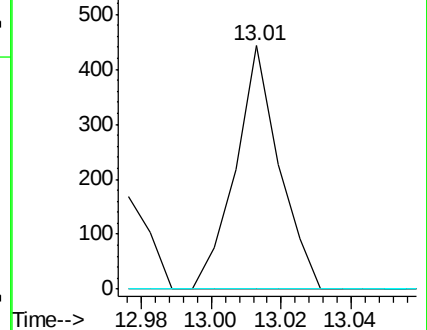
157 0.0 54.1 162.3#

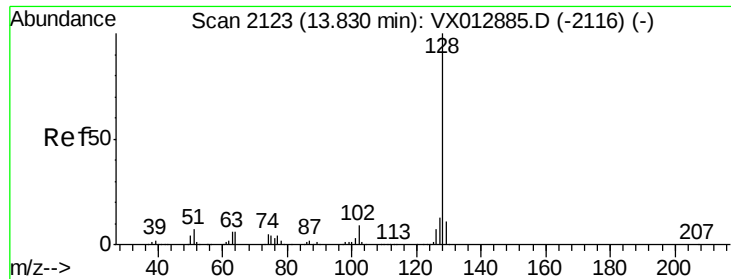


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

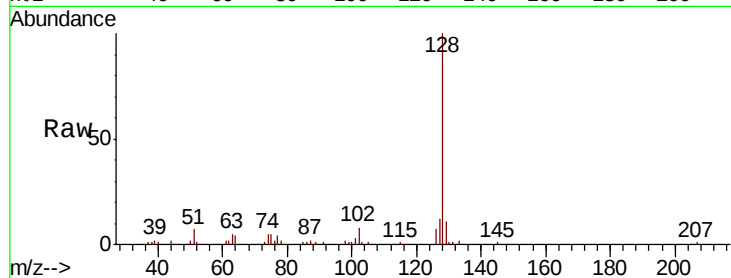




#95
Naphthalene
Concen: 3.301 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013016.D
Acq: 11 Oct 2019 07:39

Instrument :
MSVOA_X
ClientSampleId :
20190853-COMPOSITE-E

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.2	15.4
129	15.6	8.8	13.2



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

