

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091619\
 Data File : VX012420.D
 Acq On : 16 Sep 2019 21:02
 Operator : JC/SP
 Sample : K4830-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0280

Quant Time: Sep 17 04:56:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 04:36:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	119737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	192341	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	181744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	107772	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	113846	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	
35) Dibromofluoromethane	5.49	113	81480	43.73	ug/l	0.00
Spiked Amount			Recovery	=	87.46%	
50) Toluene-d8	8.71	98	308363	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	
62) 4-Bromofluorobenzene	11.14	95	127029	45.67	ug/l	0.00
Spiked Amount			Recovery	=	91.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.17	85	21	0.506	ug/l #	42
3) Chloromethane	1.31	50	1432	1.558	ug/l	93
5) Bromomethane	1.63	94	542	1.267	ug/l #	49
6) Chloroethane	1.62	64	1239	1.863	ug/l #	62
10) Methyl Iodide	2.50	142	399	0.314	ug/l #	93
11) Tert butyl alcohol	3.01	59	947	1.530	ug/l #	72
13) Acrolein	2.25	56	1026	3.846	ug/l #	1
14) Allyl chloride	2.83	41	72820	30.220	ug/l #	77
15) Acrylonitrile	3.16	53	22240	21.721	ug/l #	40
16) Acetone	2.38	43	77333	70.178	ug/l #	54
17) Carbon Disulfide	2.56	76	778	1.994	ug/l #	51
18) Methyl Acetate	2.83	43	173096	70.545	ug/l #	53
20) Methylene Chloride	2.85	84	363	0.241	ug/l #	1
25) 2-Butanone	4.54	43	5860	3.733	ug/l #	51
26) 2,2-Dichloropropane	4.39	77	7907	2.994	ug/l #	55
31) Cyclohexane	5.57	56	794747	471.494	ug/l	98
36) 1,1-Dichloropropene	5.65	75	10531	5.925	ug/l #	52
38) Carbon Tetrachloride	5.65	117	13346	6.153	ug/l #	16
39) Methylcyclohexane	7.46	83	733297	429.516	ug/l	96
40) Benzene	6.14	78	81411	14.864	ug/l	99
41) Methacrylonitrile	5.04	41	598	0.383	ug/l #	51
43) Isopropyl Acetate	6.45	43	13623	2.901	ug/l #	66
45) 1,2-Dichloropropane	7.45	63	8399	5.018	ug/l #	1
47) Bromodichloromethane	7.84	83	2035	0.816	ug/l #	1
48) Methyl methacrylate	7.73	41	48233	21.560	ug/l #	57
49) 1,4-Dioxane	7.48	88	48	0.896	ug/l #	23
51) 4-Methyl-2-Pentanone	8.66	43	12562	4.129	ug/l #	50
52) Toluene	8.78	92	5300	1.487	ug/l	98
55) 1,1,2-Trichloroethane	9.16	97	59052	31.522	ug/l #	19
56) Ethyl methacrylate	9.16	69	12937	4.590	ug/l #	1
59) 2-Hexanone	9.49	43	1453	0.619	ug/l #	60
67) Ethyl Benzene	10.25	91	6191223	854.948	ug/l	95
68) m/p-Xylenes	10.35	106	461942	172.814	ug/l	100
69) o-Xylene	10.70	106	86477	31.197	ug/l	97

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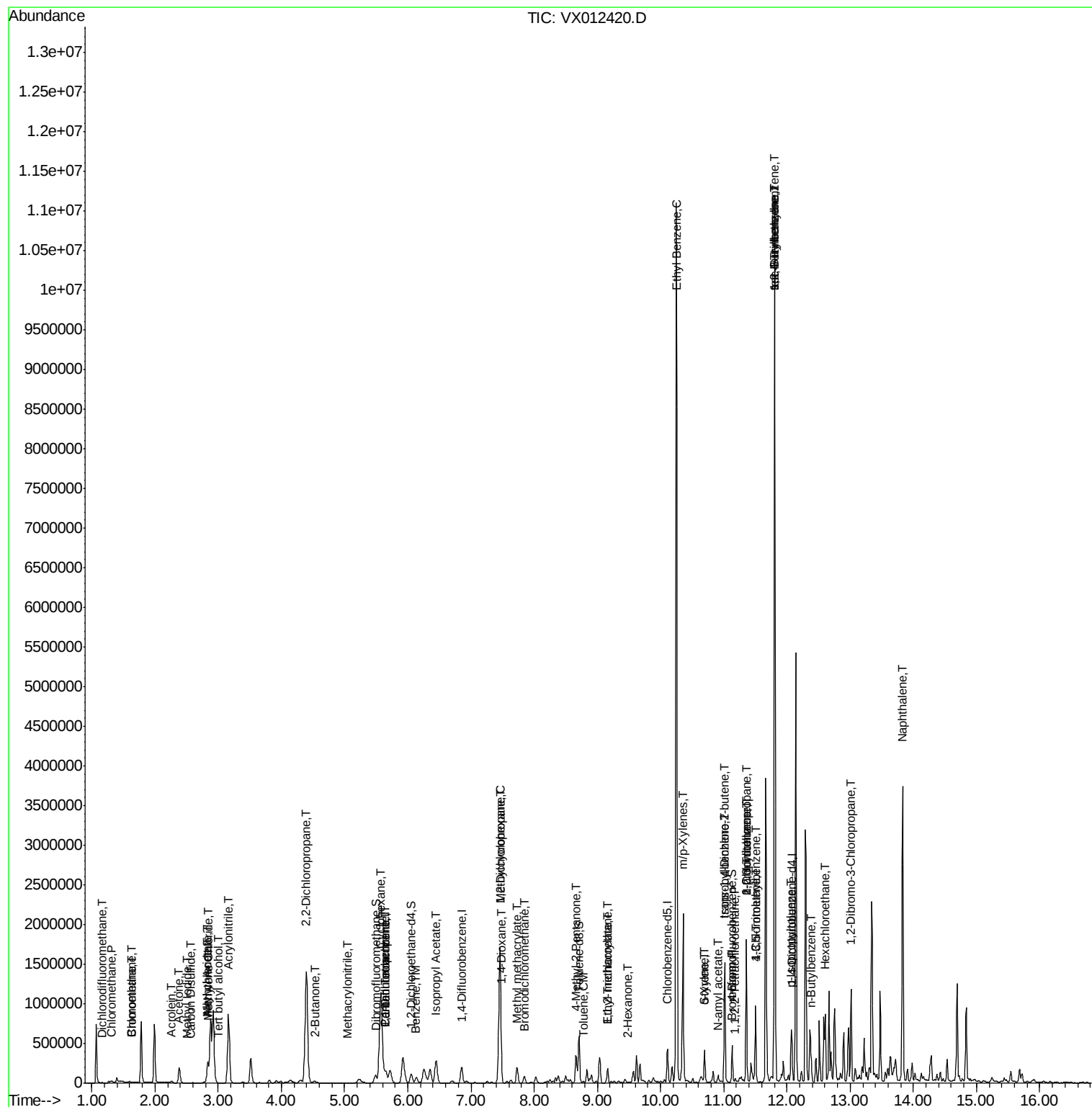
70) Styrene	10.70	104	5171	1.075	ug/l #	1
71) Bromoform	11.12	173	32	2.082	ug/l #	29
73) Isopropylbenzene	11.01	105	776485	103.705	ug/l	99
74) N-amy1 acetate	10.90	43	4390	1.106	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.18	83	1493	0.497	ug/l	77
76) 1,2,3-Trichloropropane	11.35	75	7325	2.629	ug/l #	1
78) n-propylbenzene	11.35	91	1061511	125.445	ug/l	100
79) 2-Chlorotoluene	11.35	91	1061511	195.410	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.50	105	393120	60.295	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.01	75	10287	10.424	ug/l #	66
82) 4-Chlorotoluene	11.50	91	44525	7.029	ug/l #	47
83) tert-Butylbenzene	11.81	119	572222	82.742	ug/l #	55
84) 1,2,4-Trimethylbenzene	11.81	105	4664349	705.042	ug/l	98
85) sec-Butylbenzene	11.81	105	4663599	609.964	ug/l #	56
86) p-Isopropyltoluene	12.06	119	126556	18.067	ug/l	98
89) n-Butylbenzene	12.38	91	126604	20.466	ug/l #	48
90) Hexachloroethane	12.60	117	30499	22.522	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	13.01	75	3814	4.809	ug/l #	4
95) Naphthalene	13.83	128	2163723	235.773	ug/l	99

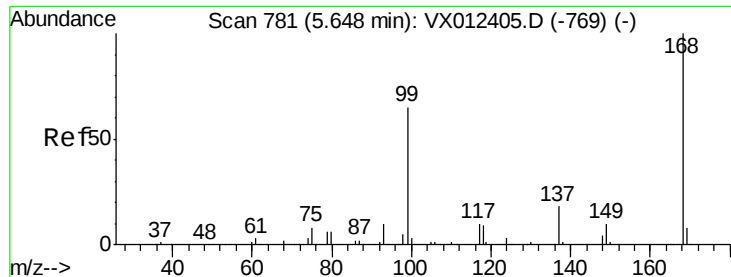
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012420.D

Acq: 16 Sep 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

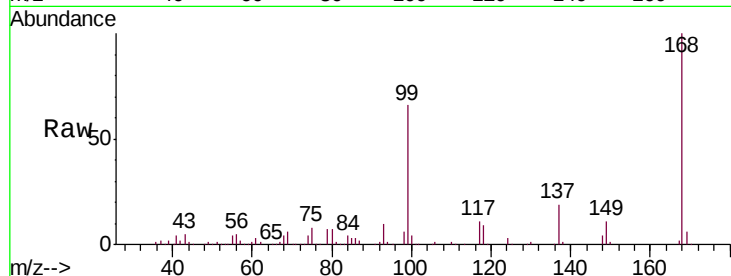
S13-0280

Tgt Ion:168 Resp: 119737

Ion Ratio Lower Upper

168 100

99 65.9 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

40000

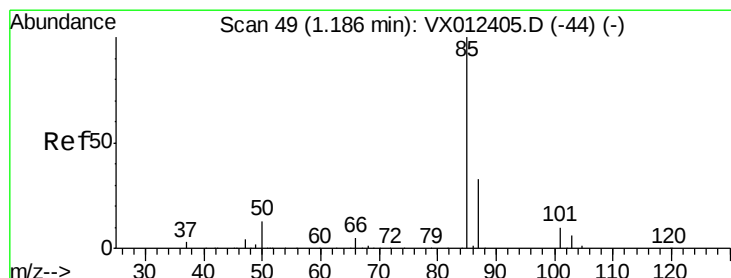
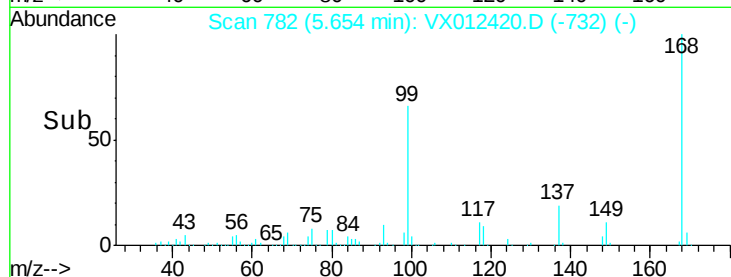
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.506 ug/l

RT: 1.17 min Scan# 47

Delta R.T. -0.01 min

Lab File: VX012420.D

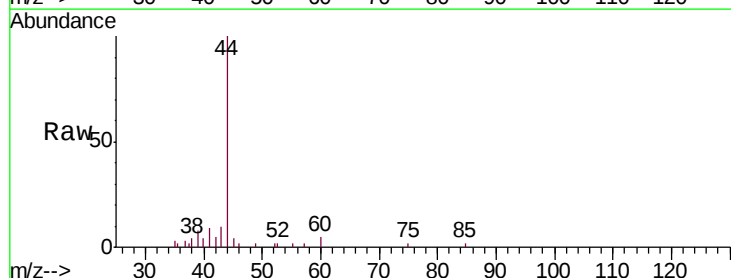
Acq: 16 Sep 2019 21:02

Tgt Ion: 85 Resp: 21

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.2#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.17

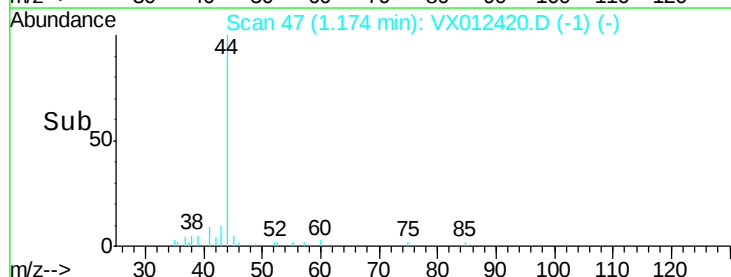
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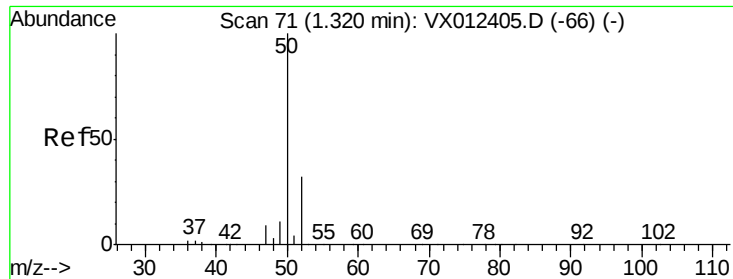
40

20

0

Time--> 1.15 1.16 1.17 1.18 1.19





#3

Chloromethane

Concen: 1.558 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012420.D

Acq: 16 Sep 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

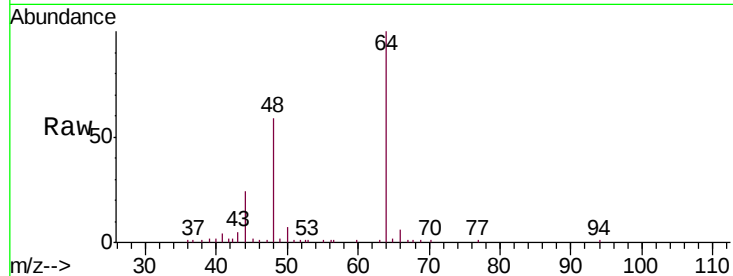
S13-0280

Tgt Ion: 50 Resp: 1432

Ion Ratio Lower Upper

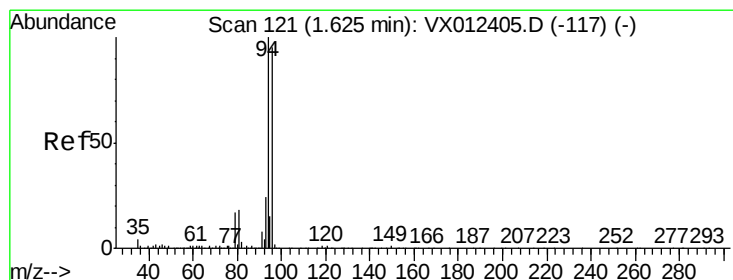
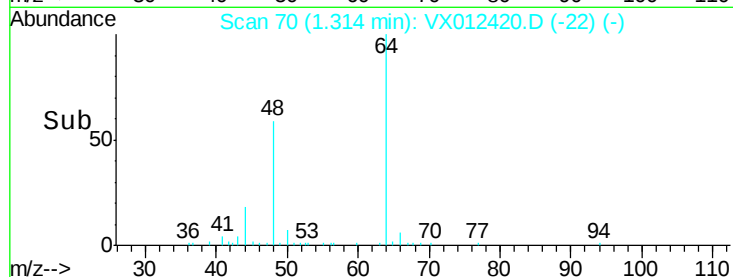
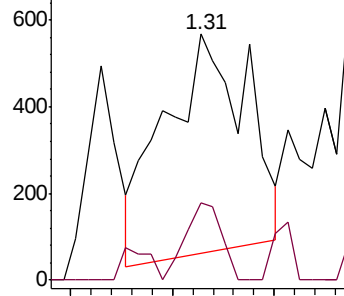
50 100

52 27.9 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 1.267 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012420.D

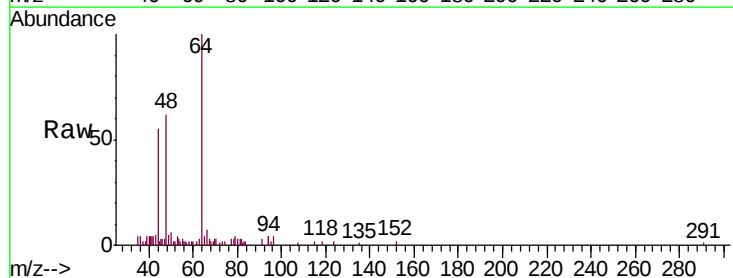
Acq: 16 Sep 2019 21:02

Tgt Ion: 94 Resp: 542

Ion Ratio Lower Upper

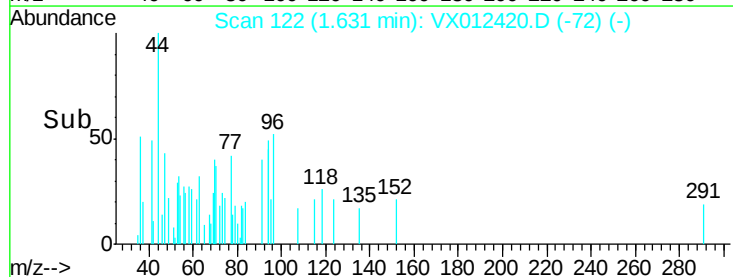
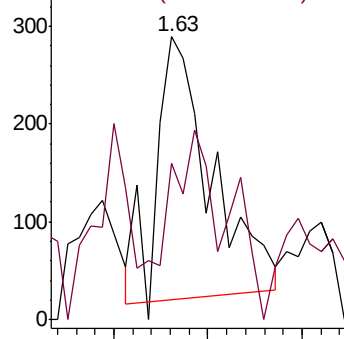
94 100

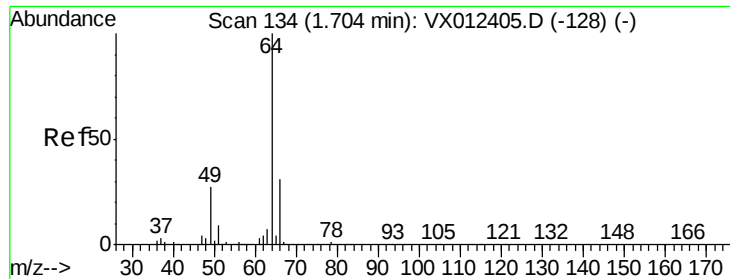
96 45.1 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 1.863 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.08 min

Lab File: VX012420.D

Acq: 16 Sep 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

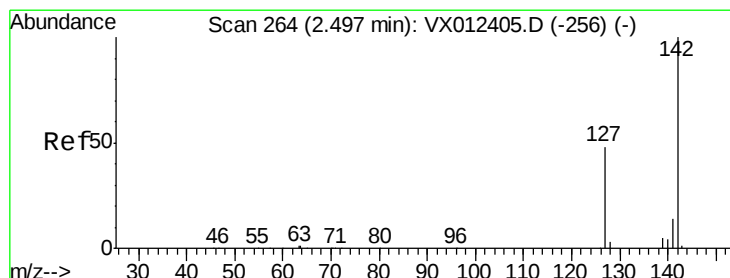
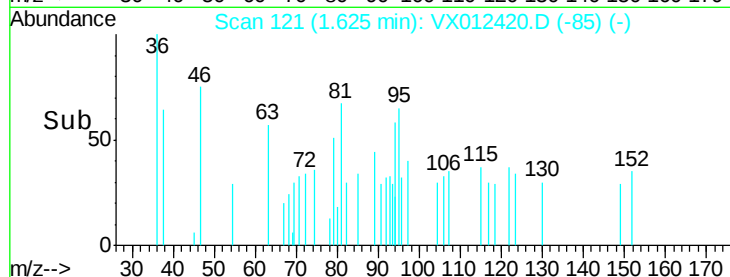
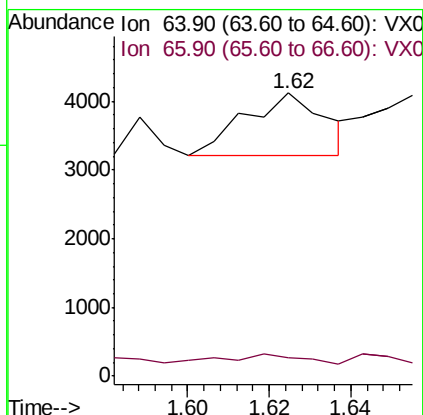
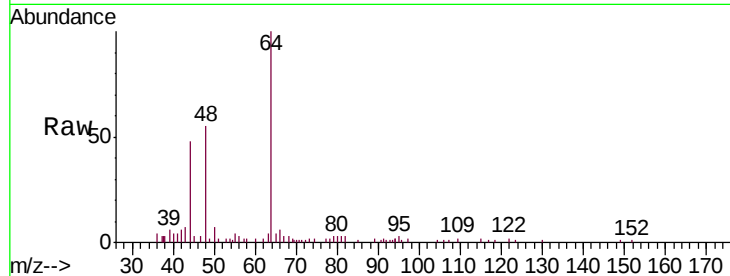
S13-0280

Tgt Ion: 64 Resp: 1239

Ion Ratio Lower Upper

64 100

66 10.0 24.7 37.1#



#10

Methyl Iodide

Concen: 0.314 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX012420.D

Acq: 16 Sep 2019 21:02

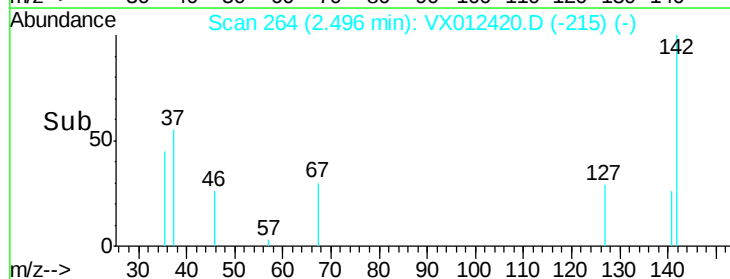
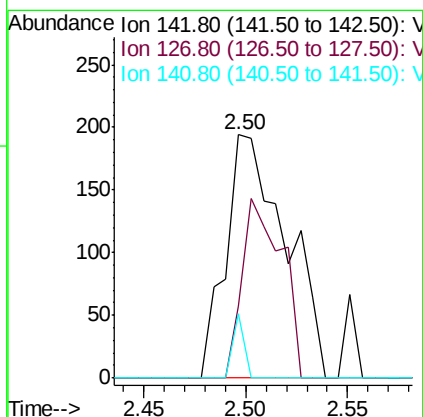
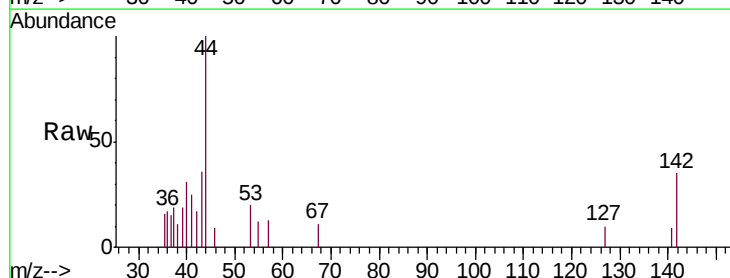
Tgt Ion: 142 Resp: 399

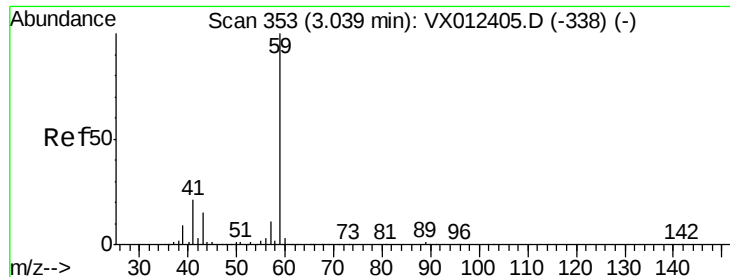
Ion Ratio Lower Upper

142 100

127 48.1 39.6 59.4

141 4.8 11.6 17.4#

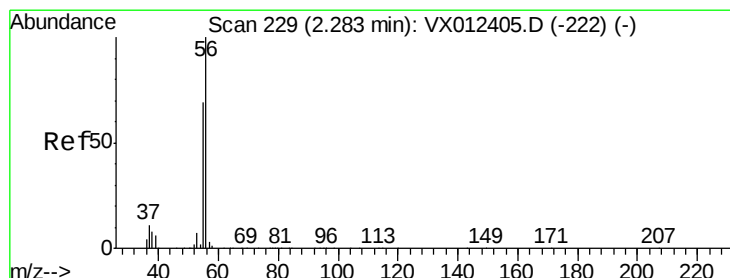
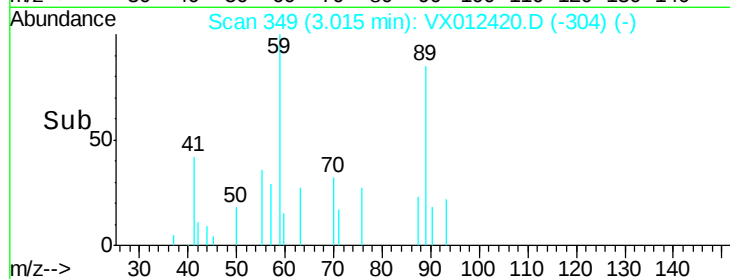
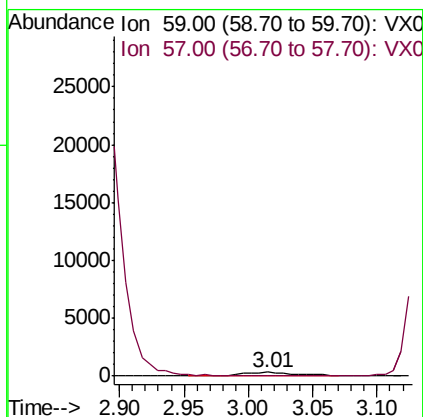
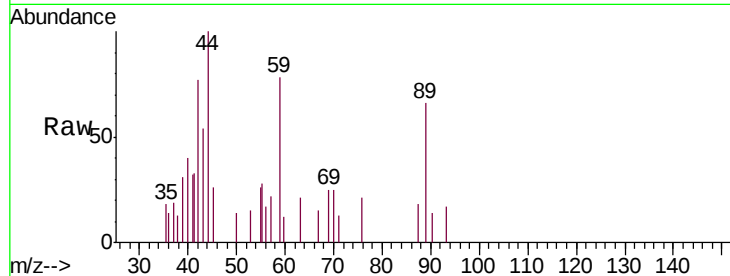




#11
Tert butyl alcohol
Concen: 1.530 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX012420.D
Acq: 16 Sep 2019 21:02

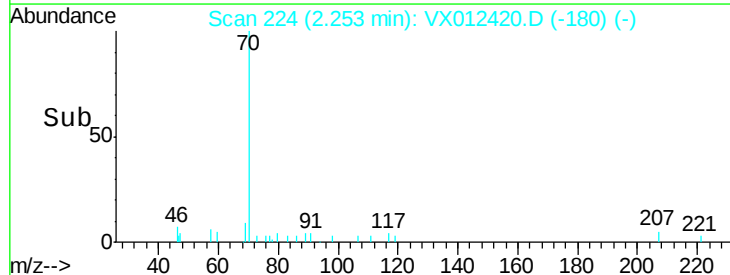
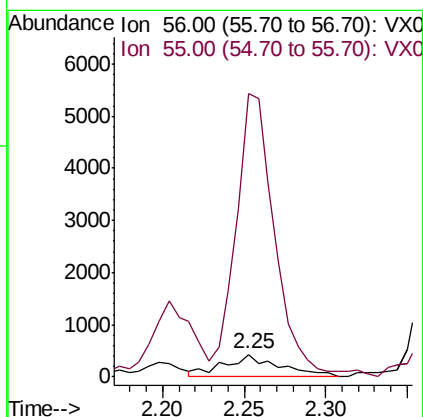
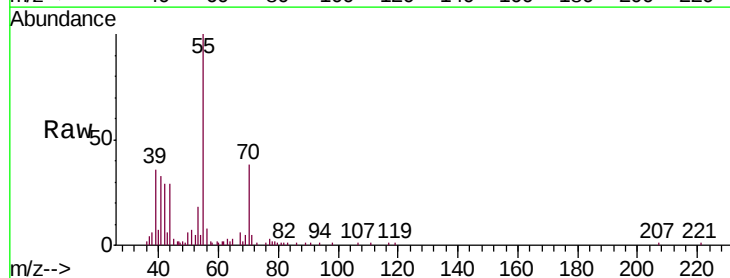
Instrument :
MSVOA_X
ClientSampled :
S13-0280

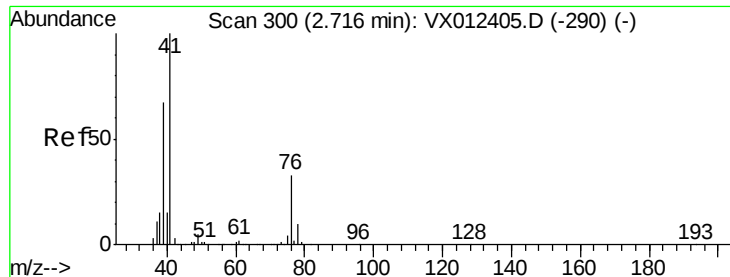
Tgt Ion: 59 Resp: 947
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 3.846 ug/l
RT: 2.25 min Scan# 224
Delta R.T. -0.03 min
Lab File: VX012420.D
Acq: 16 Sep 2019 21:02

Tgt Ion: 56 Resp: 1026
Ion Ratio Lower Upper
56 100
55 884.1 56.1 84.1#

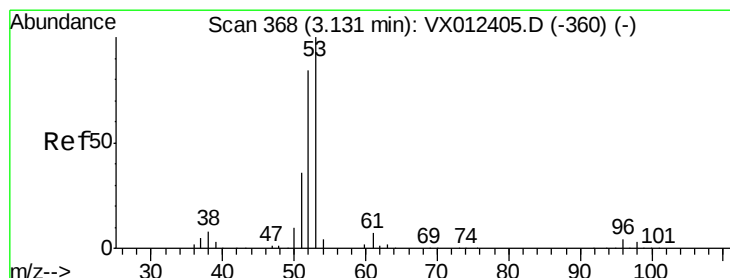
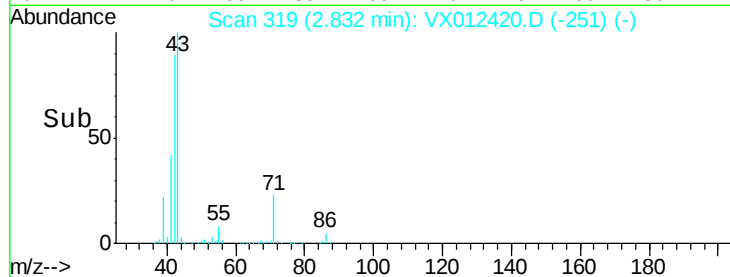
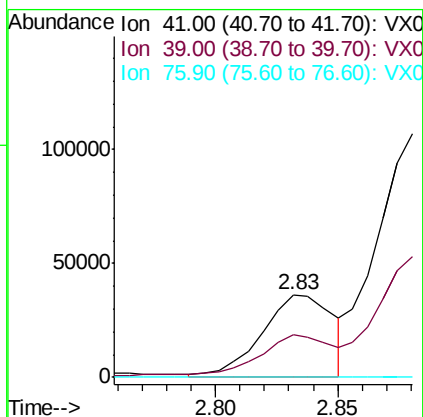
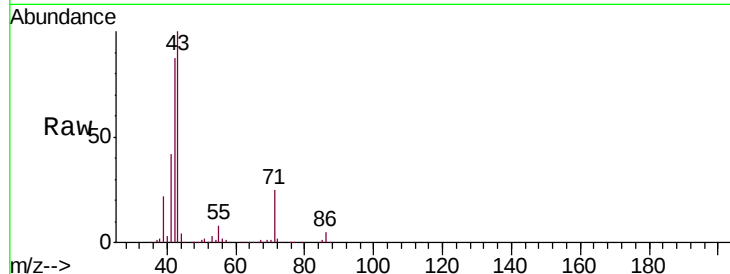




#14
 Allyl chloride
 Concen: 30.220 ug/l
 RT: 2.83 min Scan# 319
 Delta R.T. 0.12 min
 Lab File: VX012420.D
 Acq: 16 Sep 2019 21:02

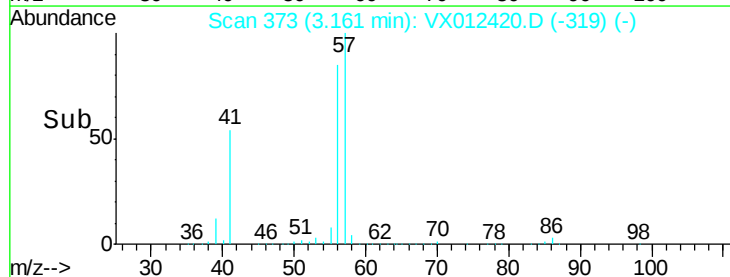
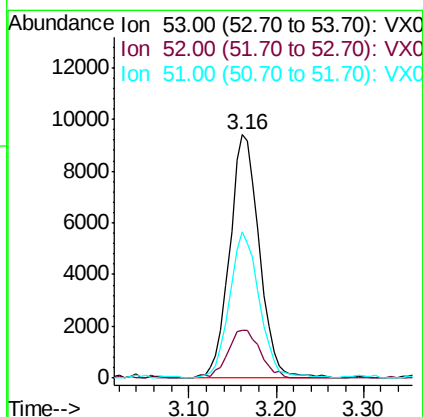
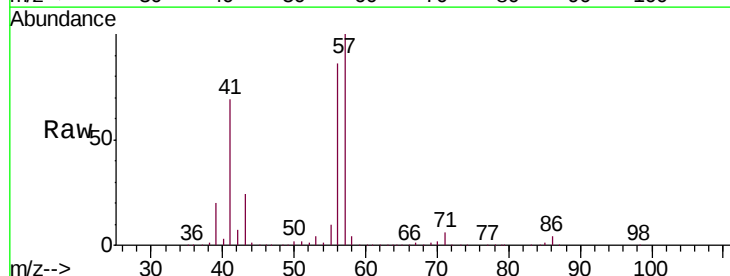
Instrument :
 MSVOA_X
 ClientSampled :
 S13-0280

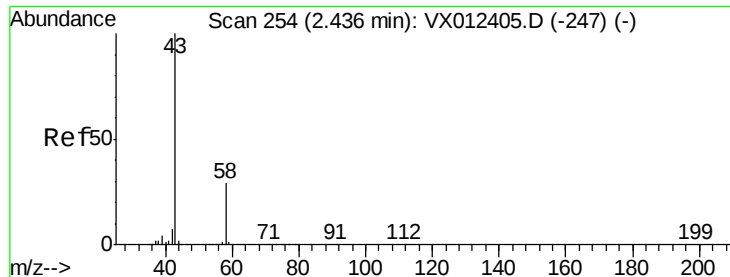
Tgt Ion: 41 Resp: 72820
 Ion Ratio Lower Upper
 41 100
 39 57.2 51.1 76.7
 76 0.1 23.4 35.2#



#15
 Acrylonitrile
 Concen: 21.721 ug/l
 RT: 3.16 min Scan# 373
 Delta R.T. 0.03 min
 Lab File: VX012420.D
 Acq: 16 Sep 2019 21:02

Tgt Ion: 53 Resp: 22240
 Ion Ratio Lower Upper
 53 100
 52 21.7 67.4 101.2#
 51 60.8 29.8 44.6#





#16

Acetone

Concen: 70.178 ug/l

RT: 2.38 min Scan# 245

Delta R.T. -0.06 min

Lab File: VX012420.D

Acq: 16 Sep 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

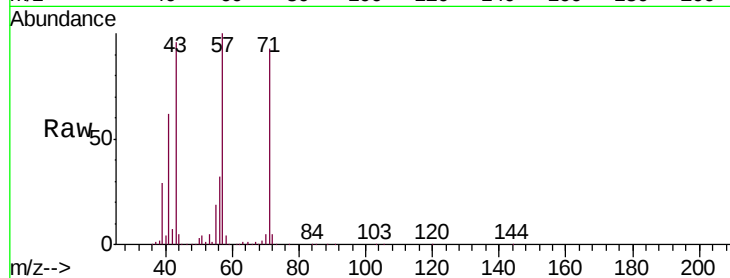
S13-0280

Tgt Ion: 43 Resp: 77333

Ion Ratio Lower Upper

43 100

58 4.7 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.38

40000

30000

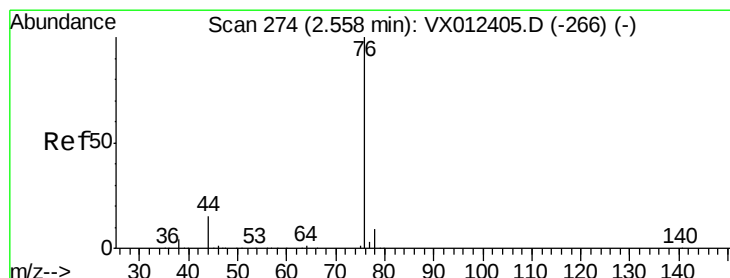
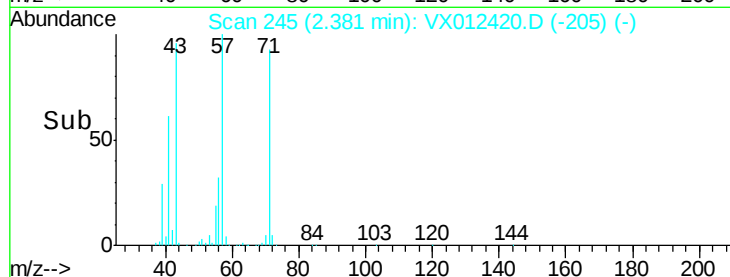
20000

10000

0

Time-->

2.30 2.40 2.50



#17

Carbon Disulfide

Concen: 1.994 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX012420.D

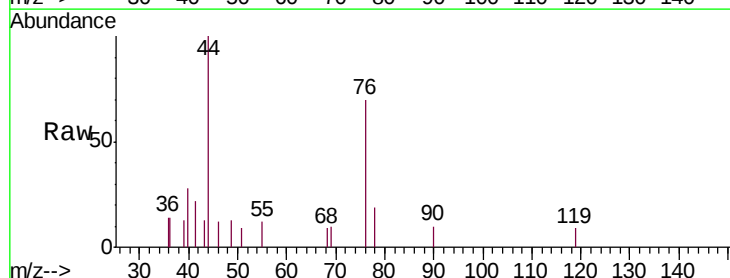
Acq: 16 Sep 2019 21:02

Tgt Ion: 76 Resp: 778

Ion Ratio Lower Upper

76 100

78 26.4 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

500

400

300

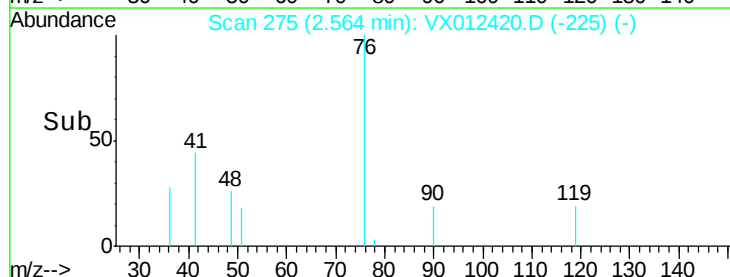
200

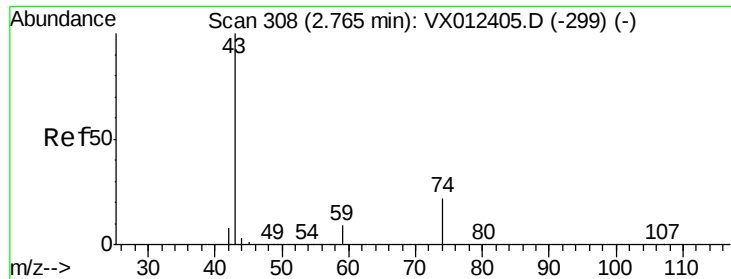
100

0

Time-->

2.50 2.55 2.60

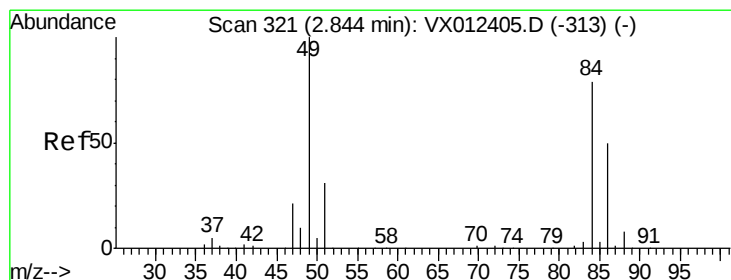
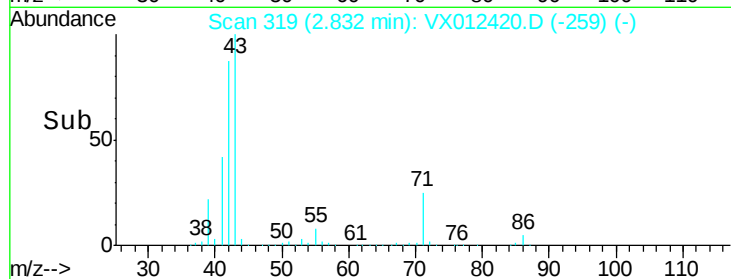
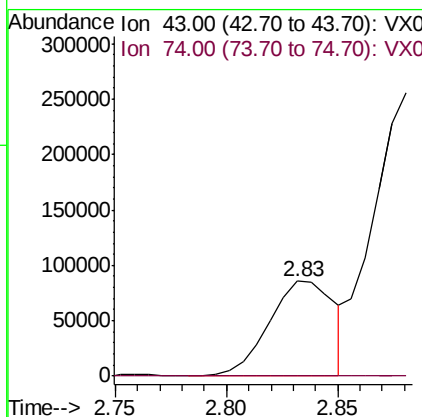
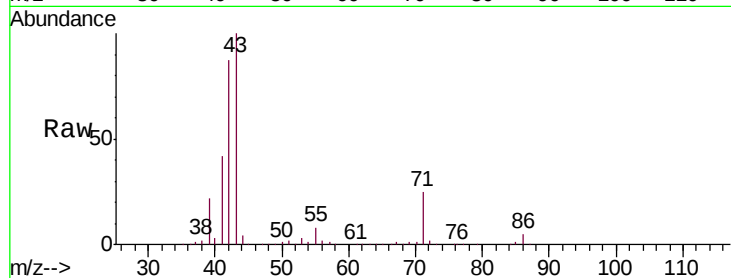




#18
Methyl Acetate
Concen: 70.545 ug/l
RT: 2.83 min Scan# 319
Delta R.T. 0.07 min
Lab File: VX012420.D
Acq: 16 Sep 2019 21:02

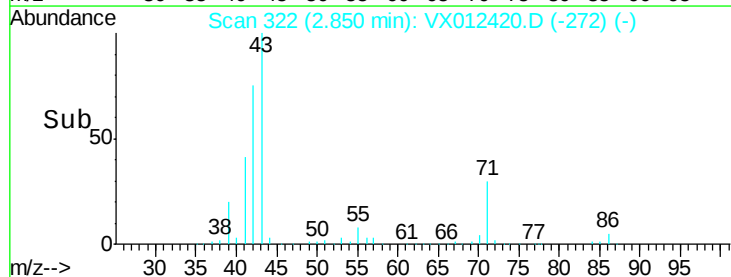
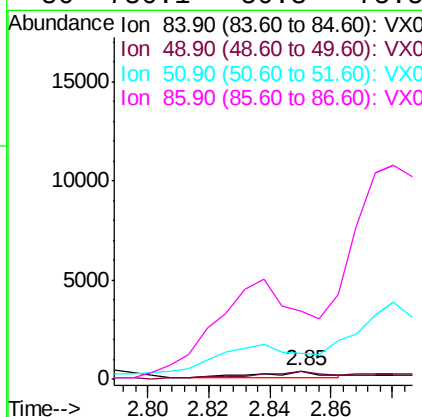
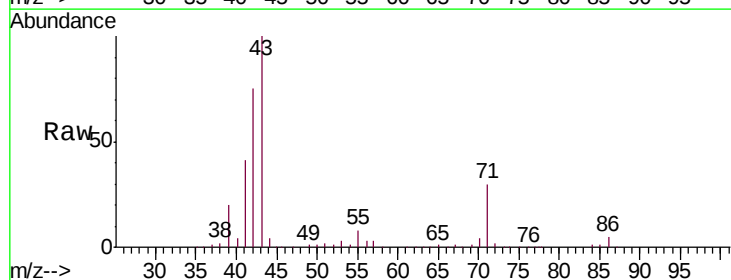
Instrument :
MSVOA_X
ClientSampled :
S13-0280

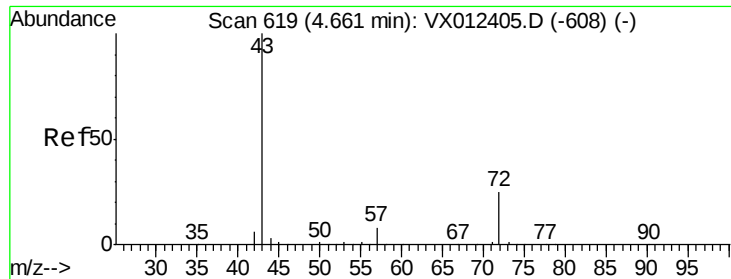
Tgt Ion: 43 Resp: 173096
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.2#



#20
Methylene Chloride
Concen: 0.241 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012420.D
Acq: 16 Sep 2019 21:02

Tgt Ion: 84 Resp: 363
Ion Ratio Lower Upper
84 100
49 120.0 101.7 152.5
51 247.9 31.2 46.8#
86 736.1 50.3 75.5#

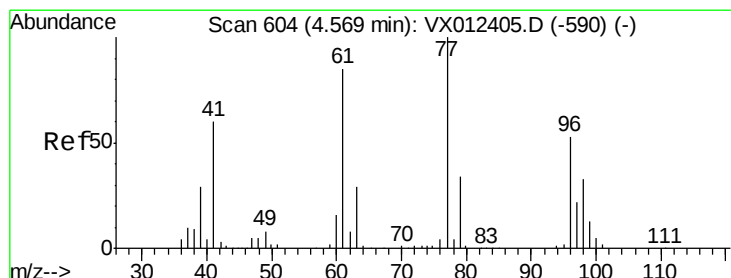
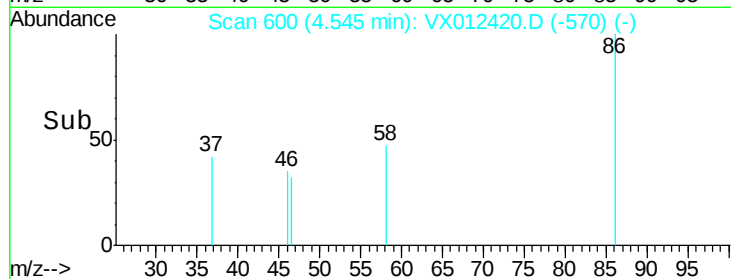
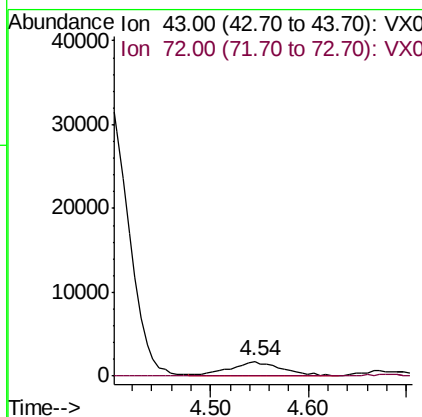
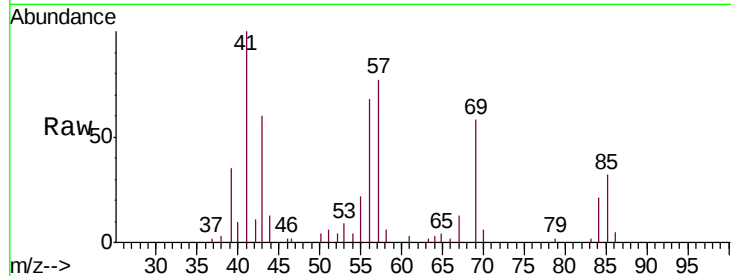




#25
 2-Butanone
 Concen: 3.733 ug/l
 RT: 4.54 min Scan# 600
 Delta R.T. -0.12 min
 Lab File: VX012420.D
 Acq: 16 Sep 2019 21:02

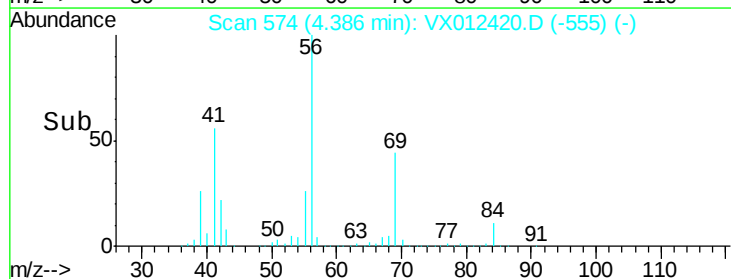
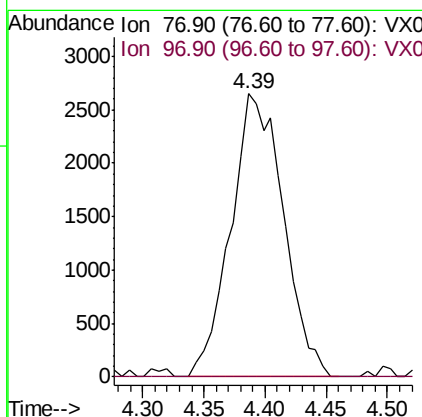
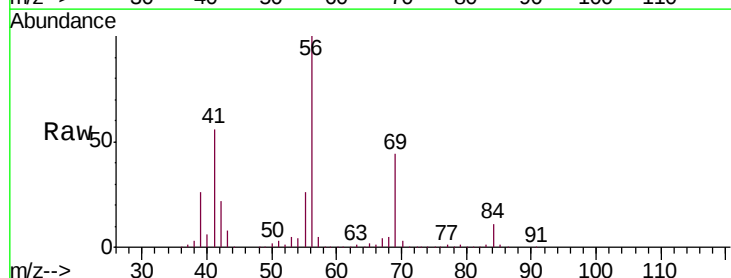
Instrument :
 MSVOA_X
 ClientSampled :
 S13-0280

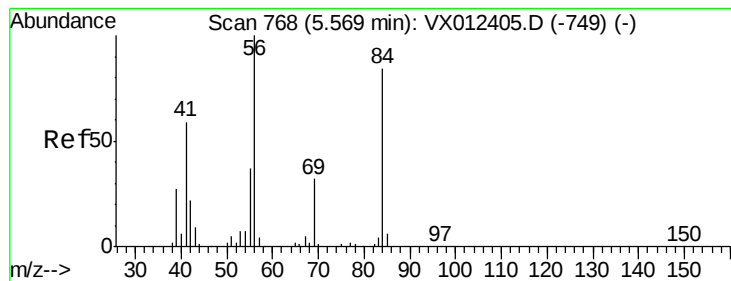
Tgt Ion: 43 Resp: 5860
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.8 29.6#



#26
 2,2-Dichloropropane
 Concen: 2.994 ug/l
 RT: 4.39 min Scan# 574
 Delta R.T. -0.18 min
 Lab File: VX012420.D
 Acq: 16 Sep 2019 21:02

Tgt Ion: 77 Resp: 7907
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#





#31

Cyclohexane

Concen: 471.494 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX012420.D

Acq: 16 Sep 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

S13-0280

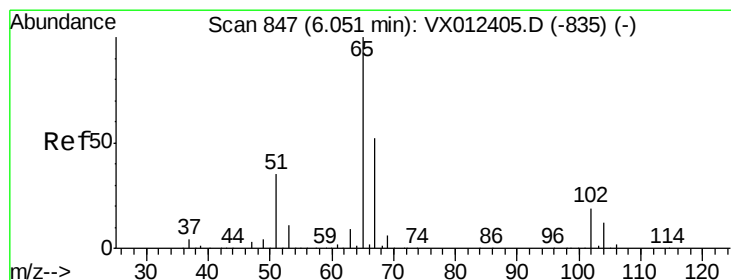
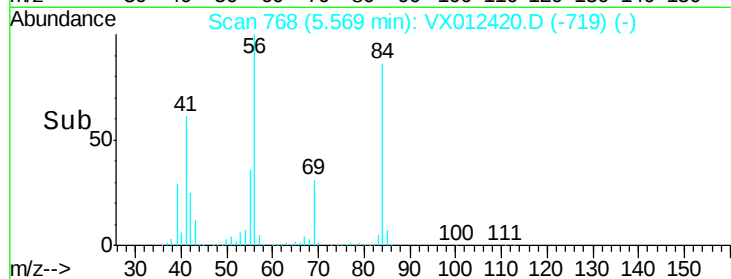
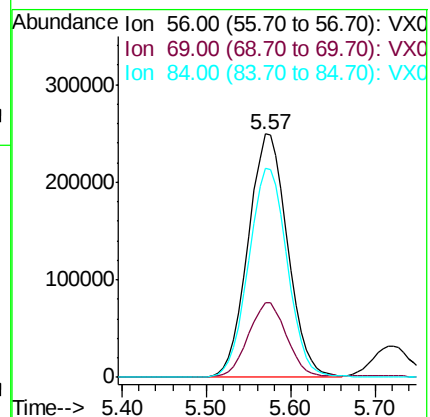
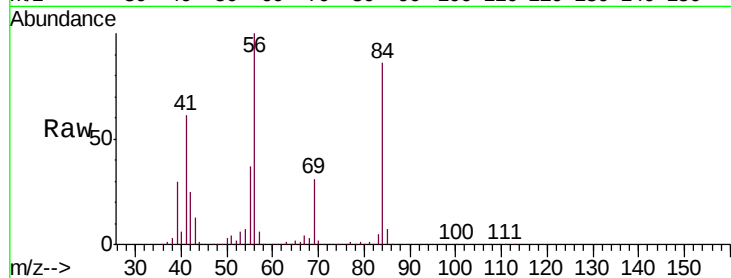
Tgt Ion: 56 Resp: 794747

Ion Ratio Lower Upper

56 100

69 30.3 24.9 37.3

84 85.8 67.2 100.8



#33

1,2-Dichloroethane-d4

Concen: 46.403 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012420.D

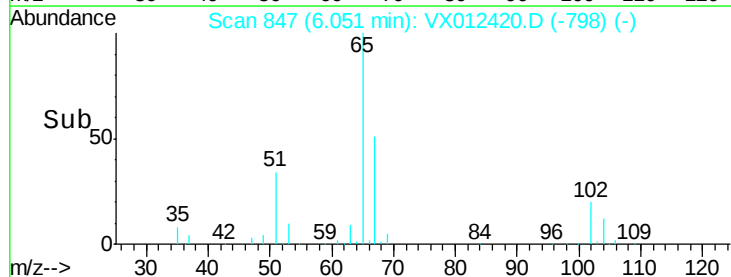
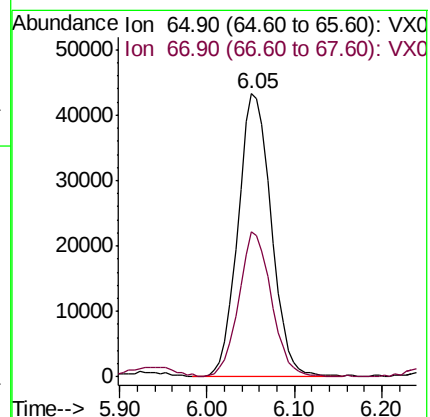
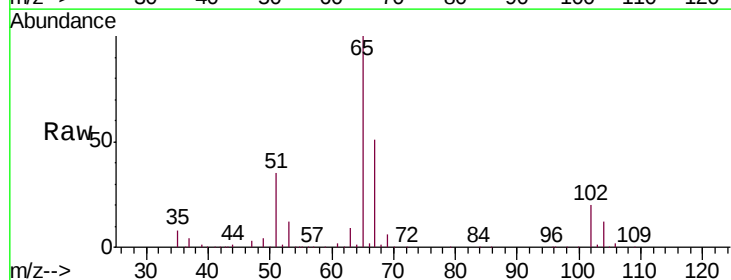
Acq: 16 Sep 2019 21:02

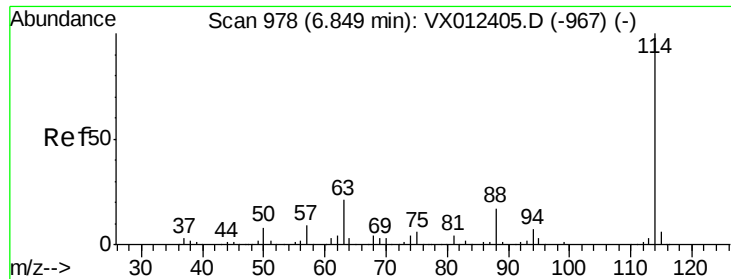
Tgt Ion: 65 Resp: 113846

Ion Ratio Lower Upper

65 100

67 50.3 0.0 102.8

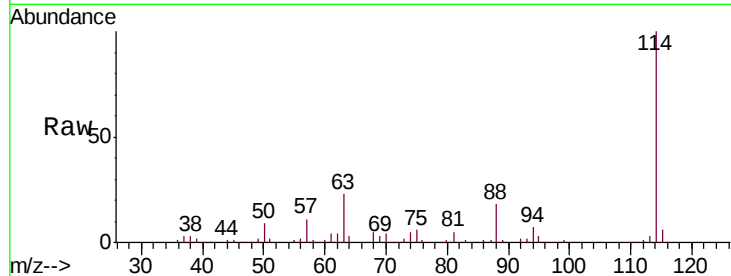




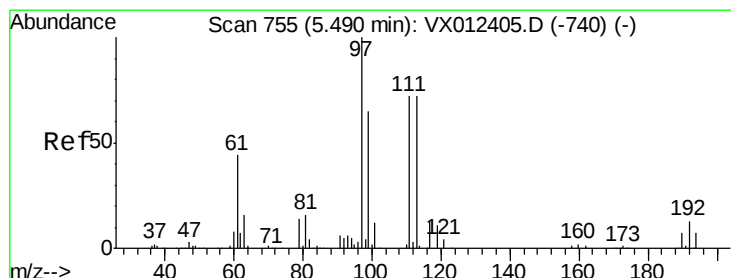
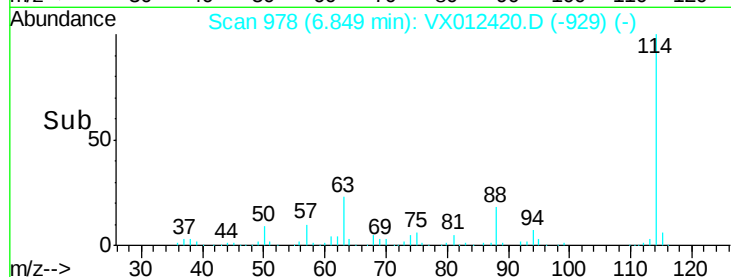
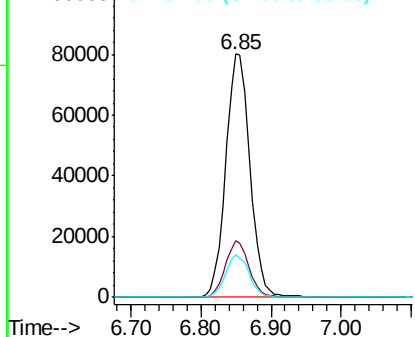
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012420.D
 Acq: 16 Sep 2019 21:02

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0280

Tgt Ion:114 Resp: 192341
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 42.4
 88 17.8 0.0 33.4

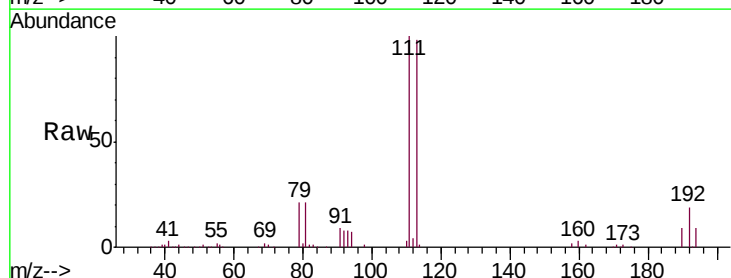


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

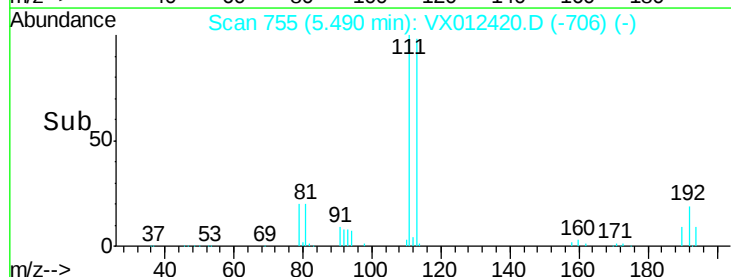
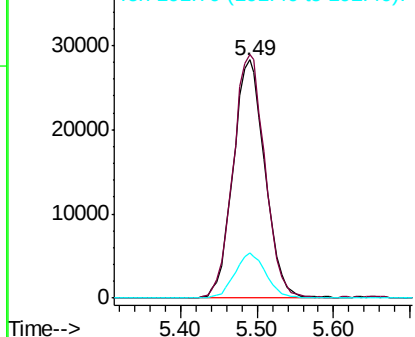


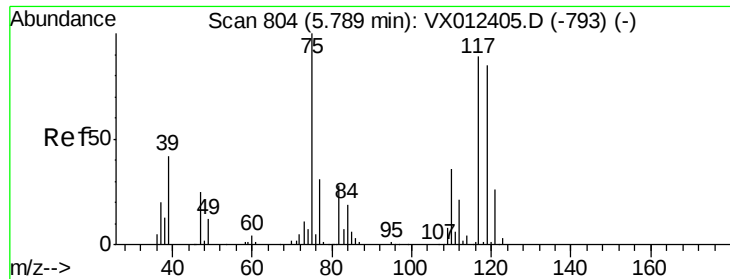
#35
 Dibromofluoromethane
 Concen: 43.732 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX012420.D
 Acq: 16 Sep 2019 21:02

Tgt Ion:113 Resp: 81480
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.8 122.6
 192 18.5 15.0 22.4



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: 5.925 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012420.D

Acq: 16 Sep 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

S13-0280

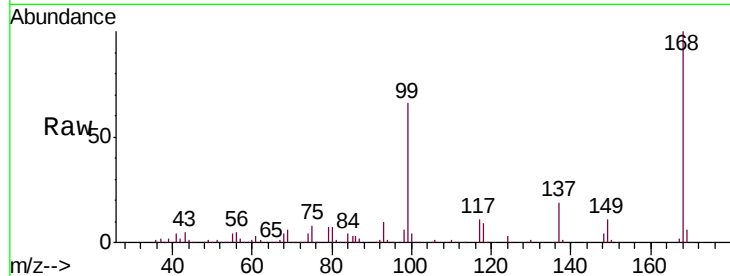
Tgt Ion: 75 Resp: 10531

Ion Ratio Lower Upper

75 100

110 11.3 17.4 52.2#

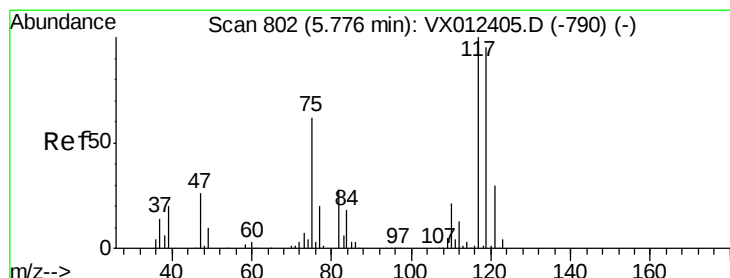
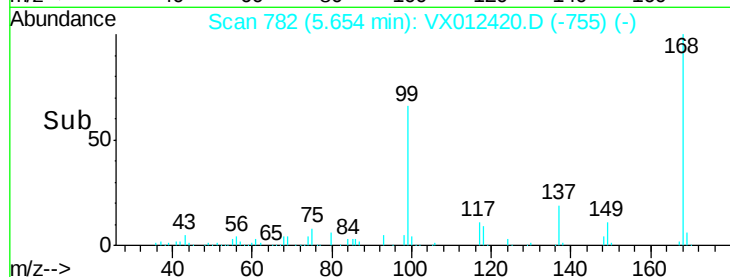
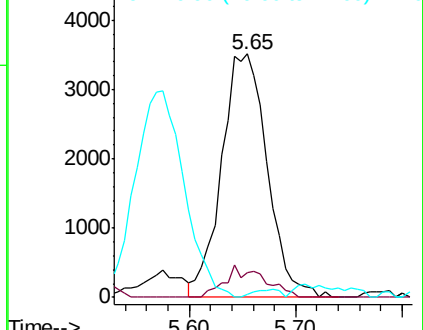
77 0.0 24.8 37.2#



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



#38

Carbon Tetrachloride

Concen: 6.153 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012420.D

Acq: 16 Sep 2019 21:02

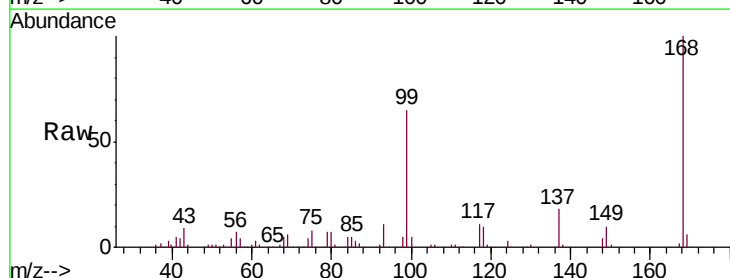
Tgt Ion: 117 Resp: 13346

Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.8#

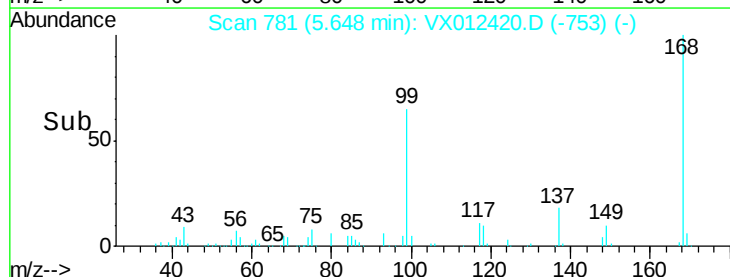
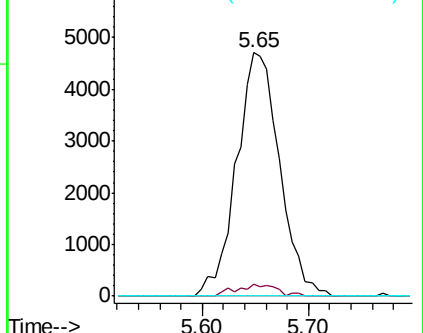
121 0.0 23.8 35.6#

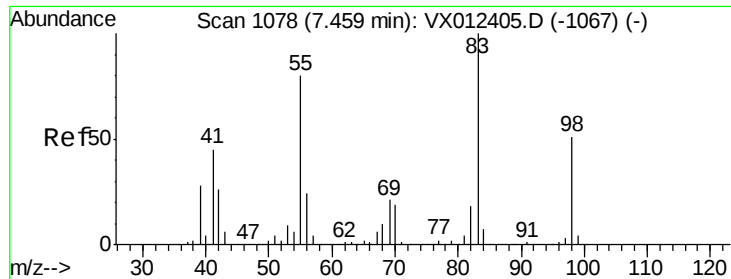


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

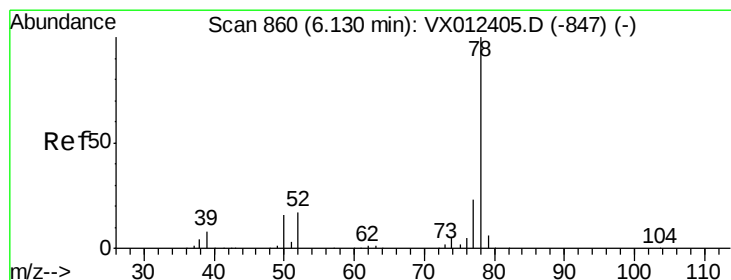
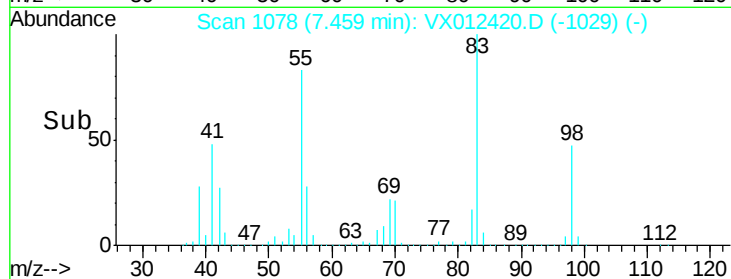
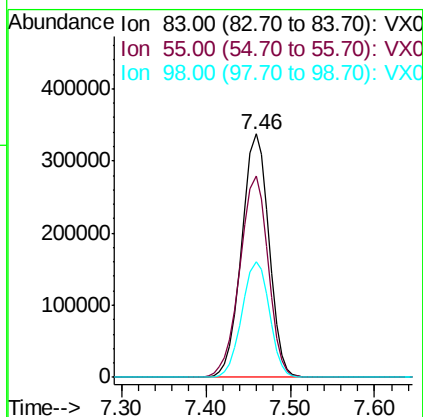
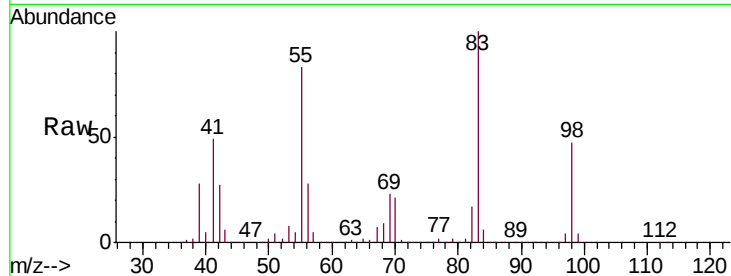




#39
Methylcyclohexane
Concen: 429.516 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX012420.D
Acq: 16 Sep 2019 21:02

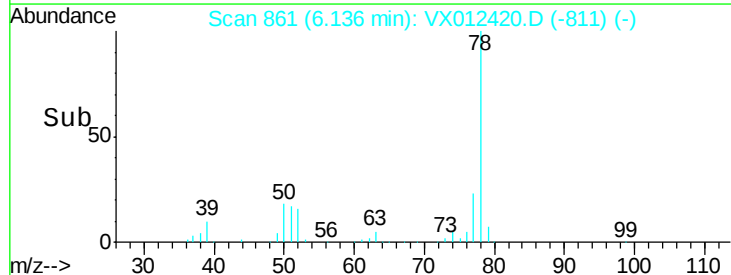
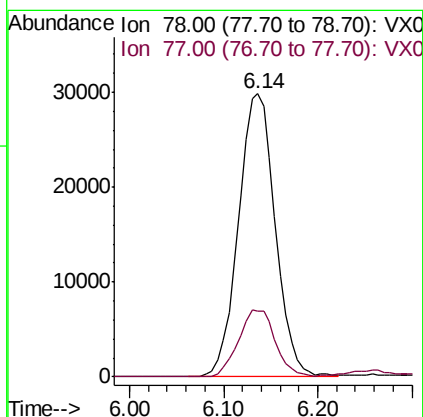
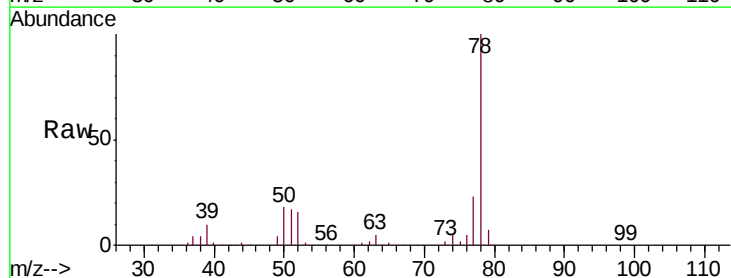
Instrument :
MSVOA_X
ClientSampleId :
S13-0280

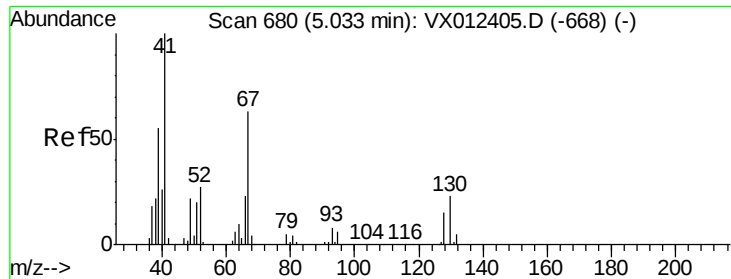
Tgt Ion: 83 Resp: 733297
Ion Ratio Lower Upper
83 100
55 82.9 63.8 95.6
98 47.3 40.6 61.0



#40
Benzene
Concen: 14.864 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012420.D
Acq: 16 Sep 2019 21:02

Tgt Ion: 78 Resp: 81411
Ion Ratio Lower Upper
78 100
77 23.4 18.2 27.2

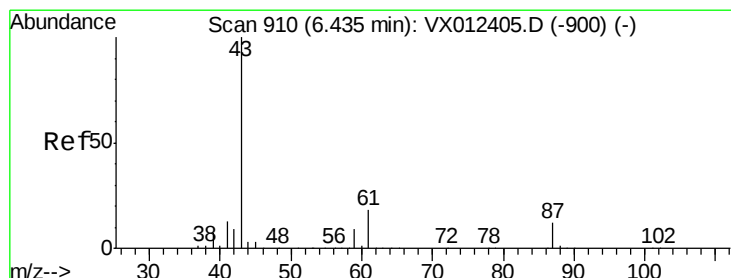
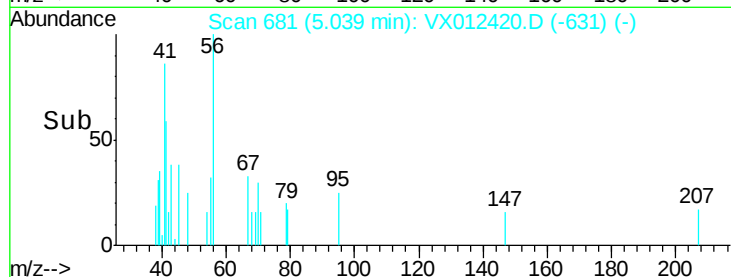
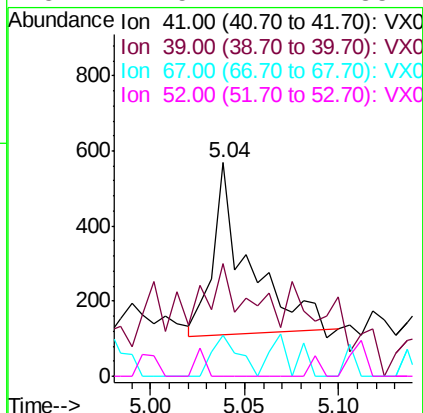
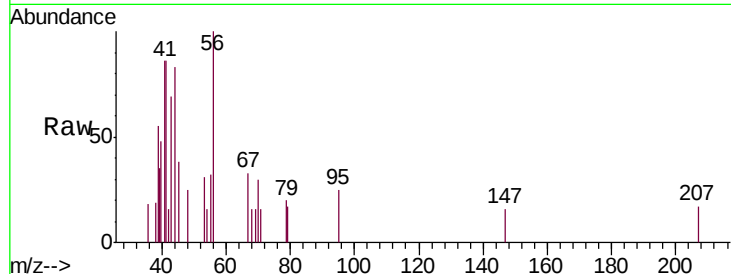




#41
Methacrylonitrile
Concen: 0.383 ug/l
RT: 5.04 min Scan# 681
Delta R.T. 0.01 min
Lab File: VX012420.D
Acq: 16 Sep 2019 21:02

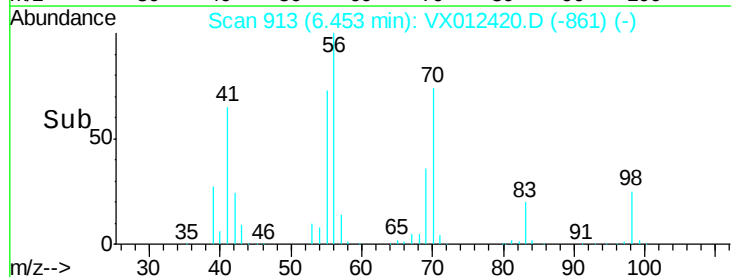
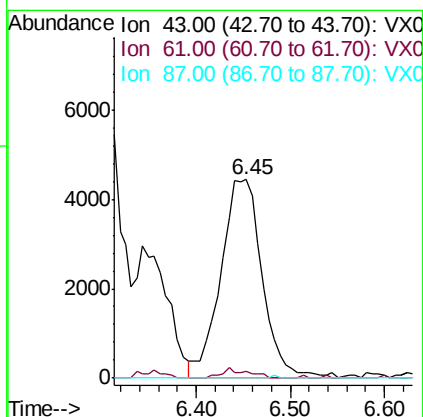
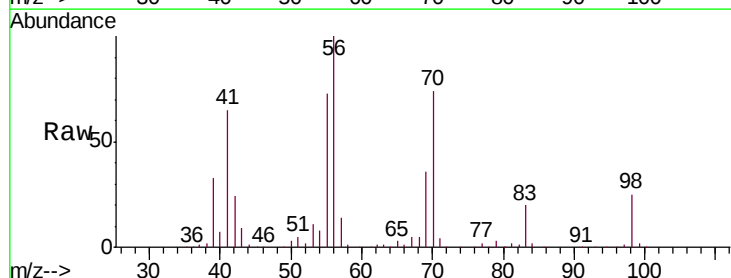
Instrument :
MSVOA_X
ClientSampleId :
S13-0280

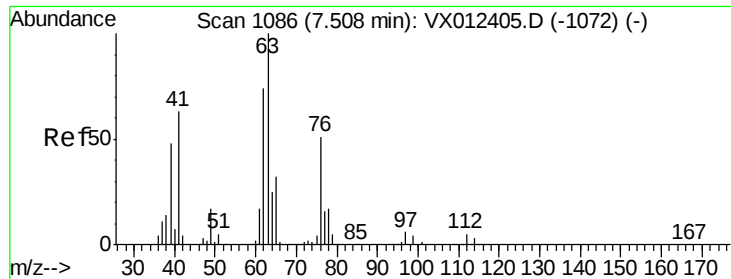
Tgt Ion:	41	Resp:	598
Ion	Ratio	Lower	Upper
41	100		
39	48.7	44.4	66.6
67	0.0	53.8	80.8#
52	4.5	22.2	33.4#



#43
Isopropyl Acetate
Concen: 2.901 ug/l
RT: 6.45 min Scan# 913
Delta R.T. 0.02 min
Lab File: VX012420.D
Acq: 16 Sep 2019 21:02

Tgt Ion:	43	Resp:	13623
Ion	Ratio	Lower	Upper
43	100		
61	3.1	15.5	23.3#
87	0.0	10.0	15.0#





#45

1,2-Dichloropropane

Concen: 5.018 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.05 min

Lab File: VX012420.D

Acq: 16 Sep 2019 21:02

Instrument :

MSVOA_X

ClientSampled :

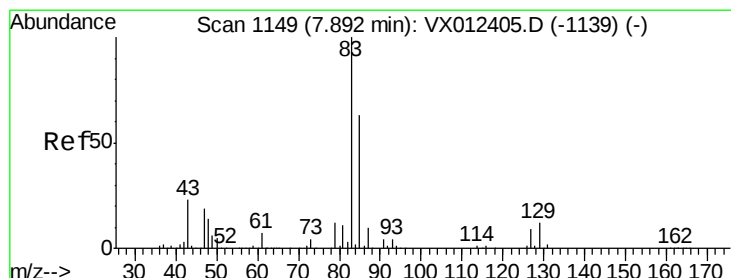
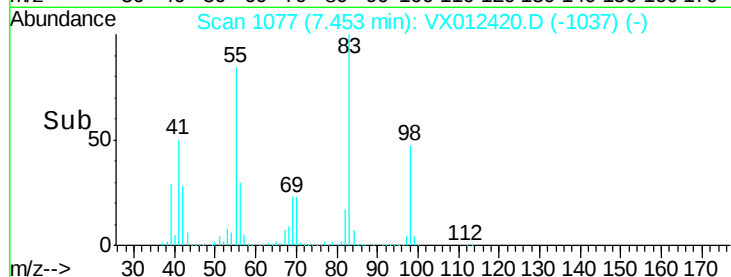
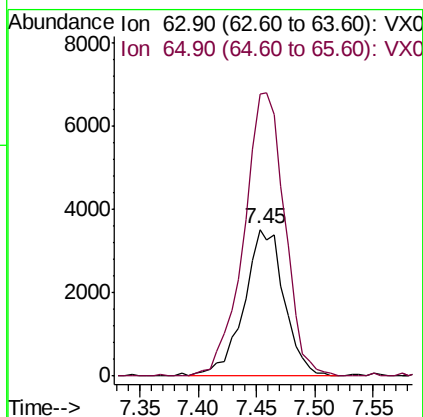
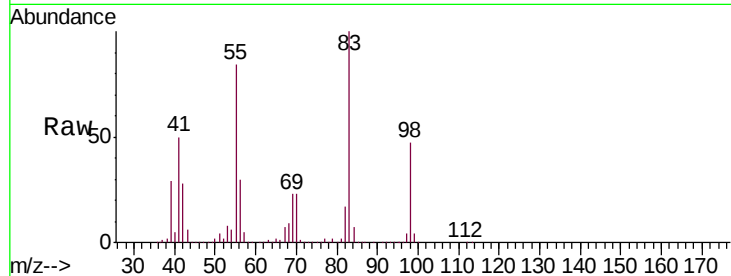
S13-0280

Tgt Ion: 63 Resp: 8399

Ion Ratio Lower Upper

63 100

65 192.3 25.6 38.4#



#47

Bromodichloromethane

Concen: 0.816 ug/l

RT: 7.84 min Scan# 1141

Delta R.T. -0.05 min

Lab File: VX012420.D

Acq: 16 Sep 2019 21:02

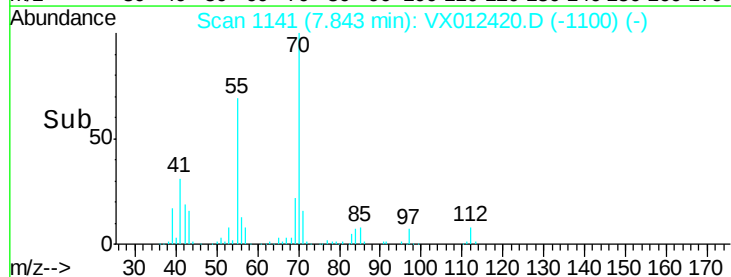
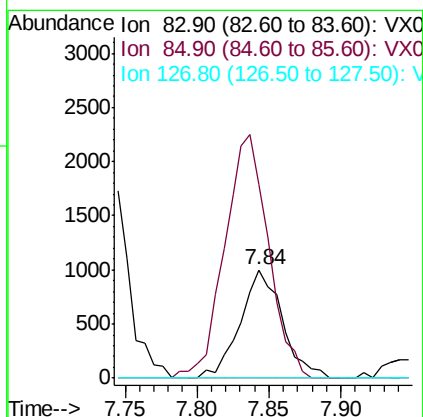
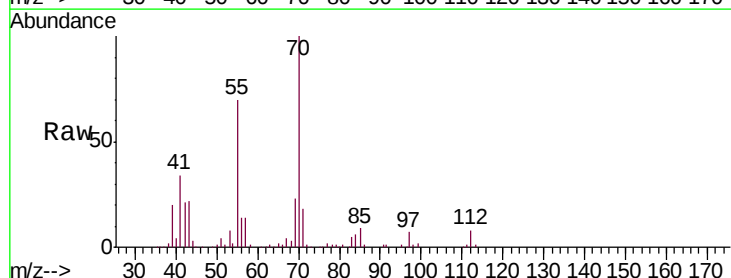
Tgt Ion: 83 Resp: 2035

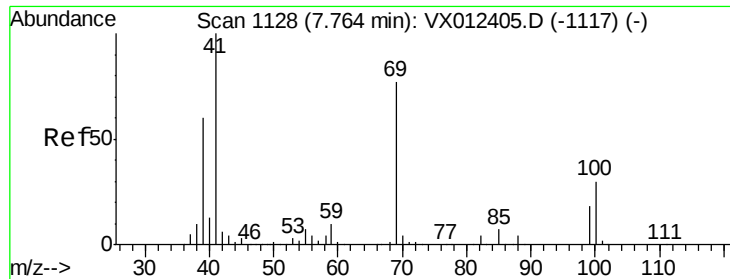
Ion Ratio Lower Upper

83 100

85 178.5 50.2 75.4#

127 0.0 6.9 10.3#

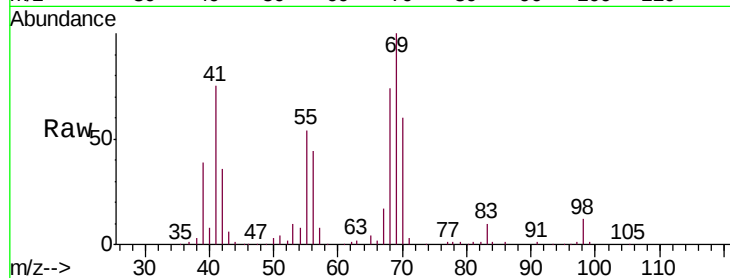




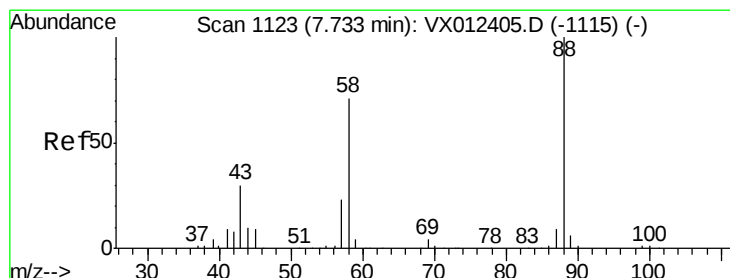
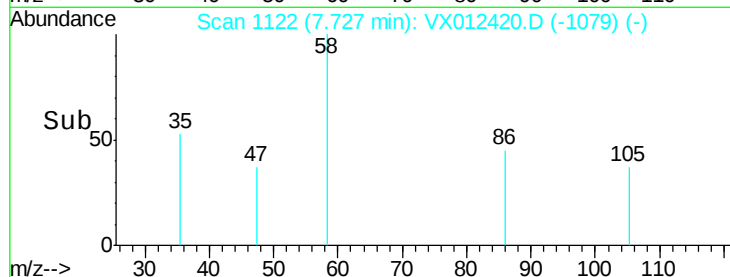
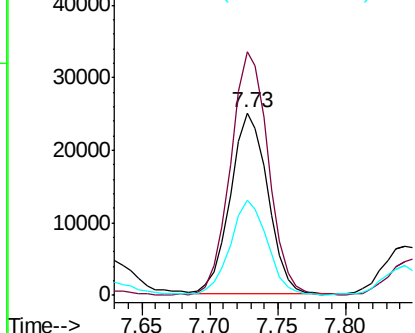
#48
Methyl methacrylate
Concen: 21.560 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.04 min
Lab File: VX012420.D
Acq: 16 Sep 2019 21:02

Instrument :
MSVOA_X
ClientSampled :
S13-0280

Tgt Ion: 41 Resp: 48233
Ion Ratio Lower Upper
41 100
69 135.0 61.6 92.4#
39 50.5 47.6 71.4

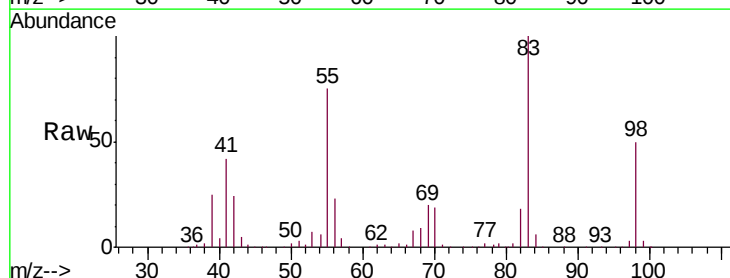


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

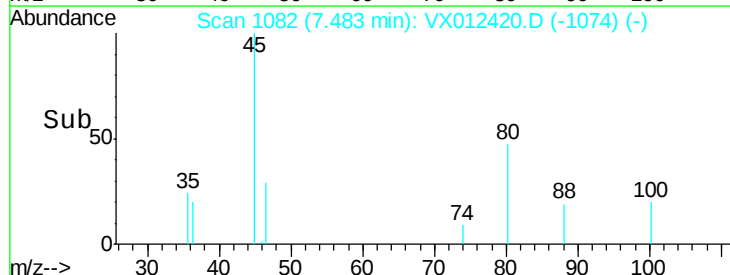
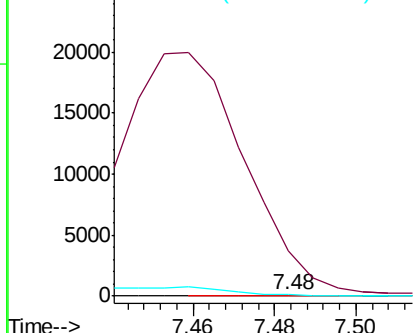


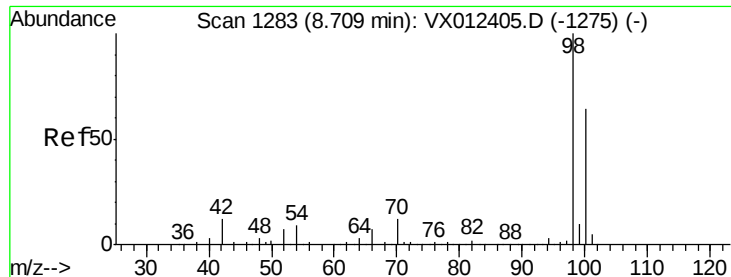
#49
1,4-Dioxane
Concen: 0.896 ug/l
RT: 7.48 min Scan# 1082
Delta R.T. -0.25 min
Lab File: VX012420.D
Acq: 16 Sep 2019 21:02

Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 0.0 26.6 39.8#
58 0.0 57.1 85.7#



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

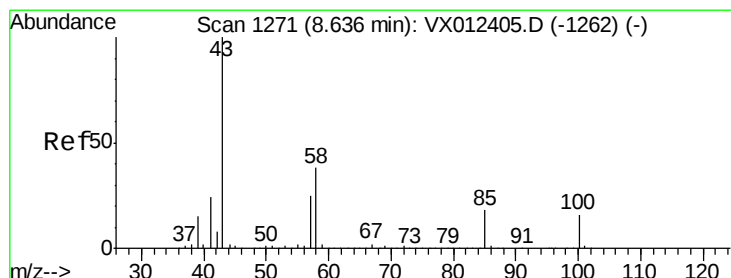
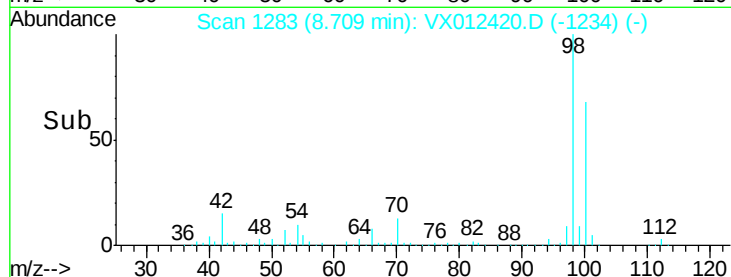
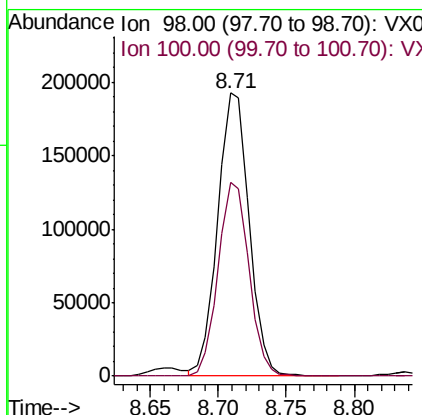
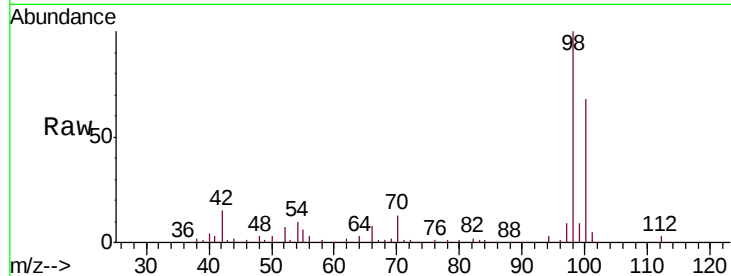




#50
Toluene-d8
Concen: 46.639 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012420.D
Acq: 16 Sep 2019 21:02

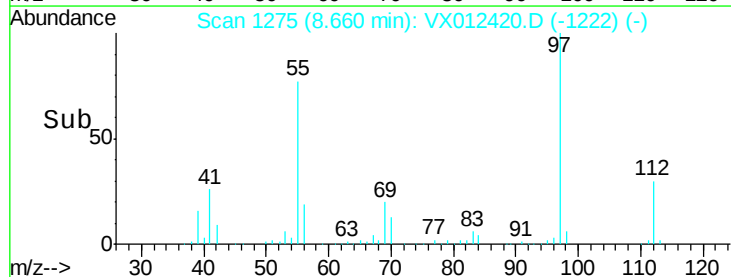
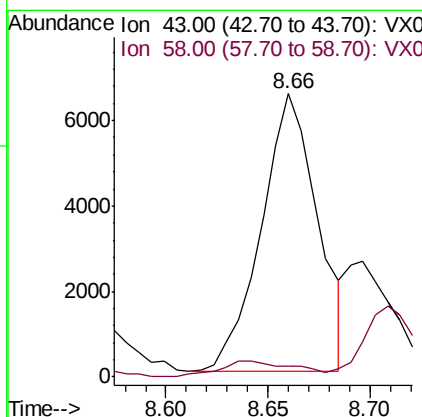
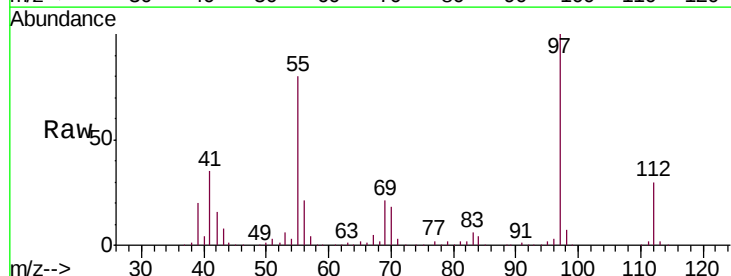
Instrument :
MSVOA_X
ClientSampleId :
S13-0280

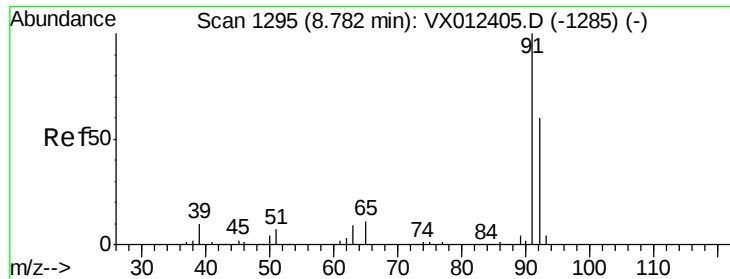
Tgt Ion: 98 Resp: 308363
Ion Ratio Lower Upper
98 100
100 67.8 54.4 81.6



#51
4-Methyl-2-Pentanone
Concen: 4.129 ug/l
RT: 8.66 min Scan# 1275
Delta R.T. 0.02 min
Lab File: VX012420.D
Acq: 16 Sep 2019 21:02

Tgt Ion: 43 Resp: 12562
Ion Ratio Lower Upper
43 100
58 7.7 30.2 45.4#





#52

Toluene

Concen: 1.487 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX012420.D

Acq: 16 Sep 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

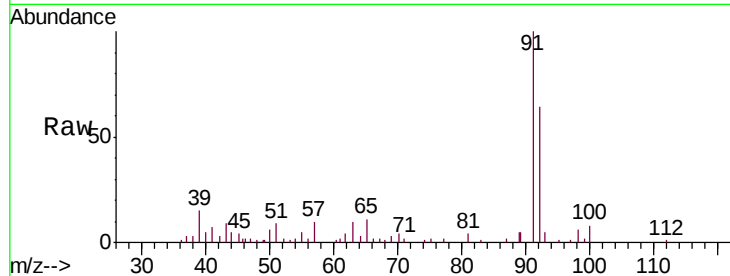
S13-0280

Tgt Ion: 92 Resp: 5300

Ion Ratio Lower Upper

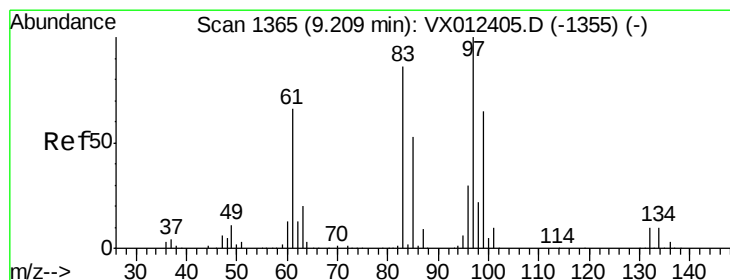
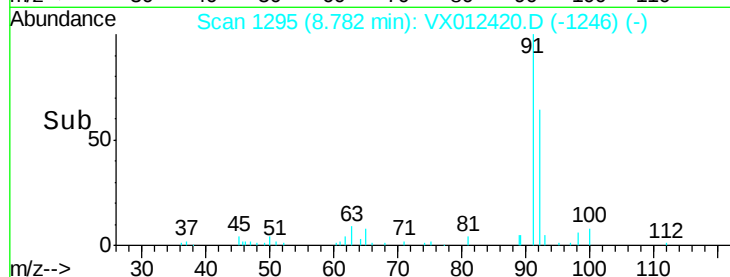
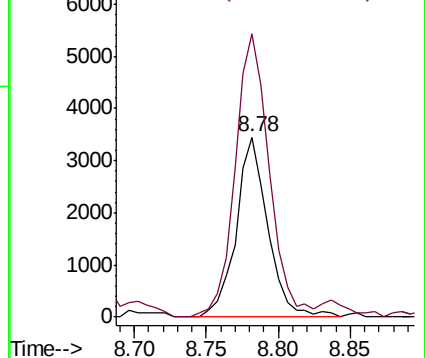
92 100

91 169.1 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#55

1,1,2-Trichloroethane

Concen: 31.522 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.05 min

Lab File: VX012420.D

Acq: 16 Sep 2019 21:02

Tgt Ion: 97 Resp: 59052

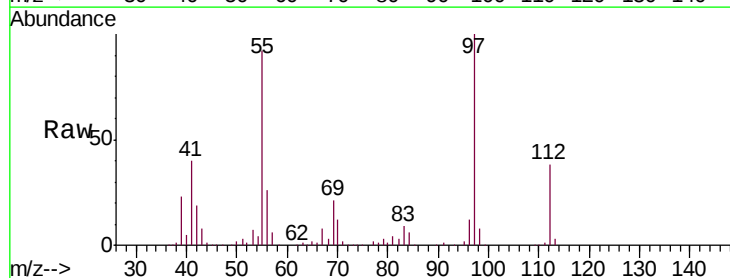
Ion Ratio Lower Upper

97 100

83 8.4 68.5 102.7#

85 0.1 42.6 64.0#

99 0.2 52.5 78.7#

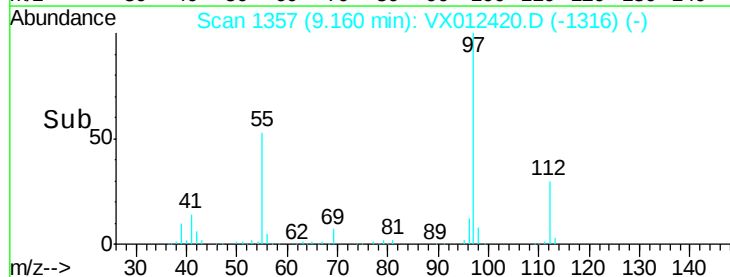
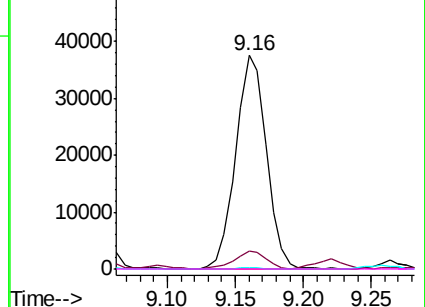


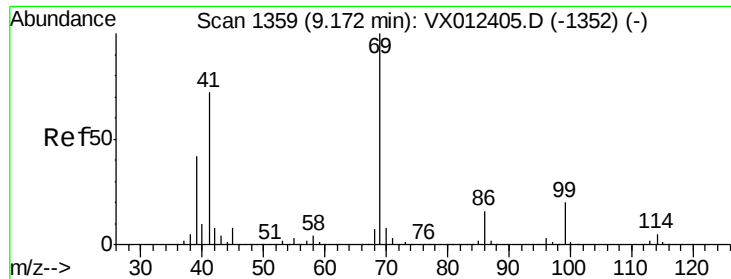
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0





#56

Ethyl methacrylate

Concen: 4.590 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VX012420.D

Acq: 16 Sep 2019 21:02

Instrument :

MSVOA_X

ClientSampled :

S13-0280

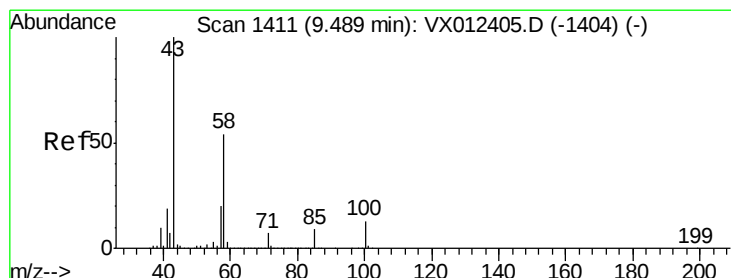
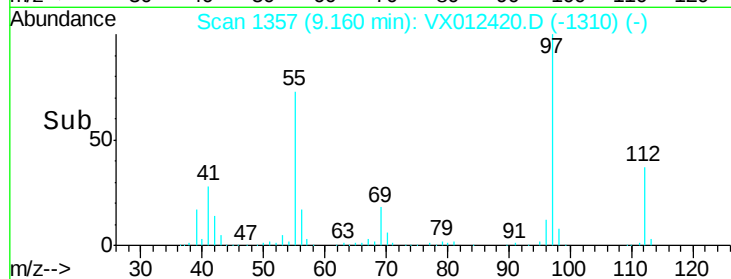
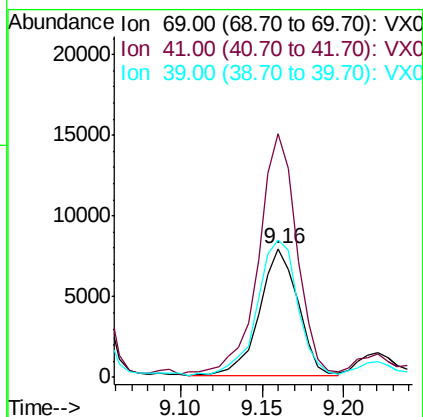
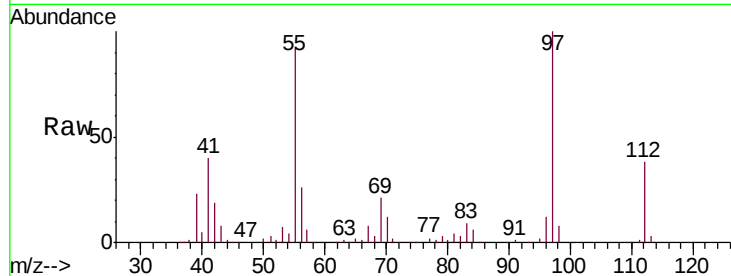
Tgt Ion: 69 Resp: 12937

Ion Ratio Lower Upper

69 100

41 180.0 57.0 85.6#

39 110.6 32.6 49.0#



#59

2-Hexanone

Concen: 0.619 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX012420.D

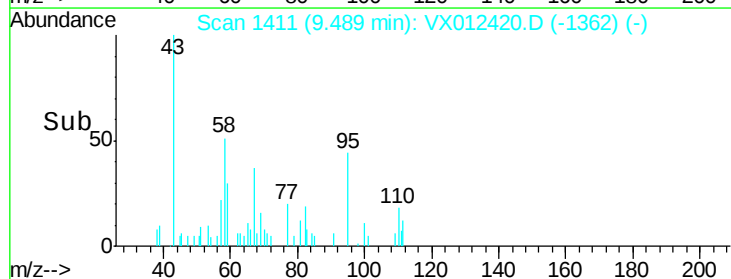
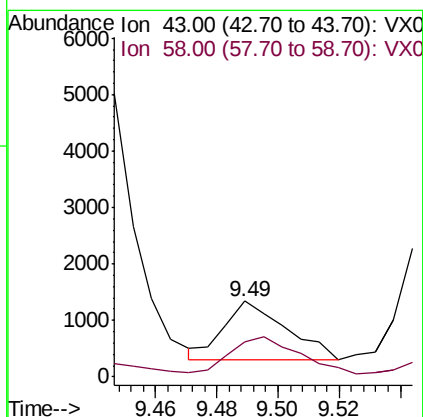
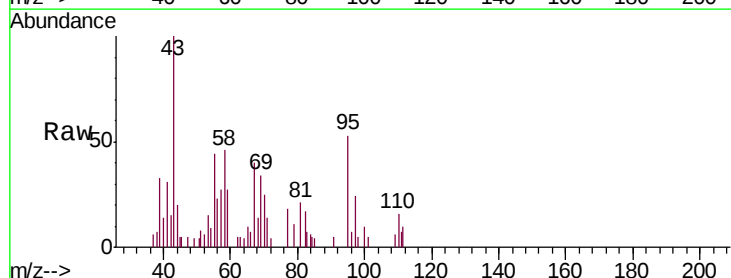
Acq: 16 Sep 2019 21:02

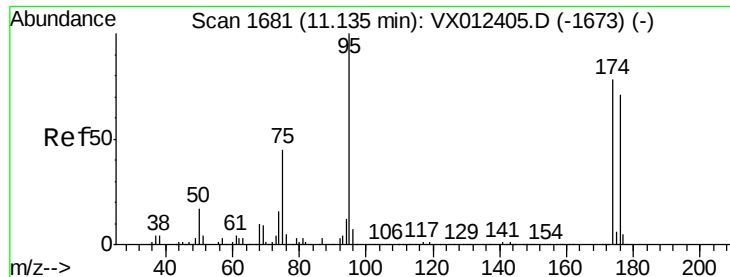
Tgt Ion: 43 Resp: 1453

Ion Ratio Lower Upper

43 100

58 81.1 26.4 79.0#





#62

4-Bromofluorobenzene

Concen: 45.667 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012420.D

Acq: 16 Sep 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

S13-0280

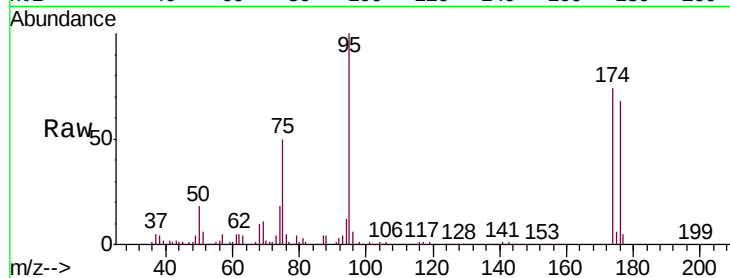
Tgt Ion: 95 Resp: 127029

Ion Ratio Lower Upper

95 100

174 70.4 0.0 146.0

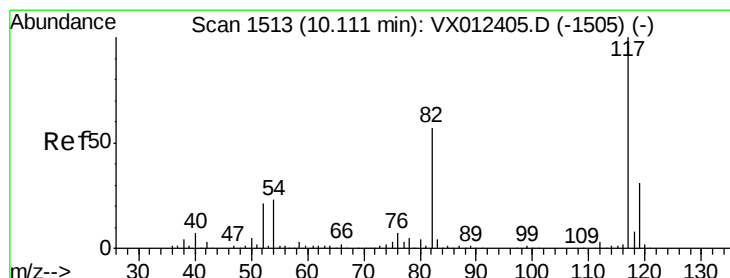
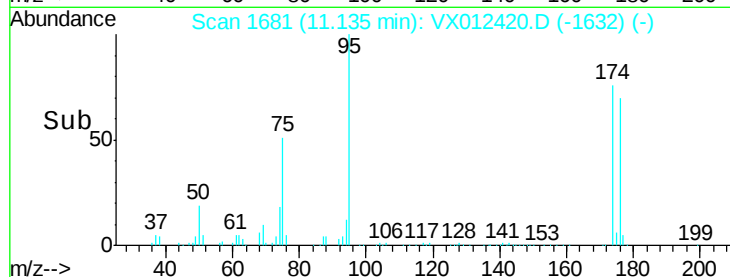
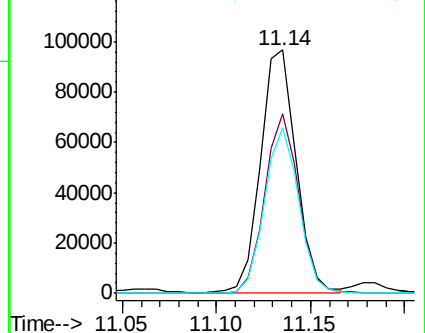
176 65.5 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012420.D

Acq: 16 Sep 2019 21:02

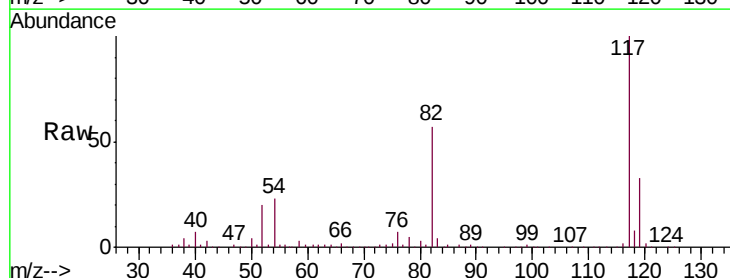
Tgt Ion: 117 Resp: 181744

Ion Ratio Lower Upper

117 100

82 56.9 45.8 68.6

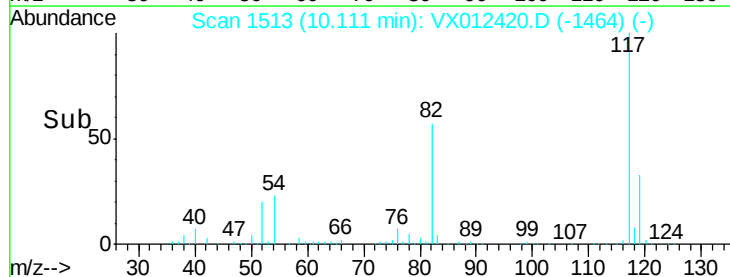
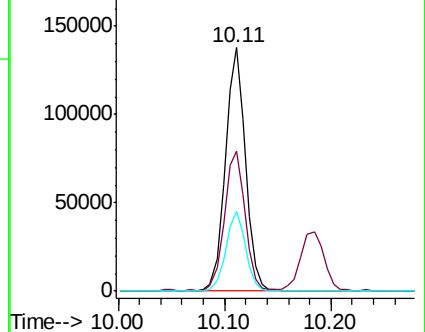
119 32.6 24.9 37.3

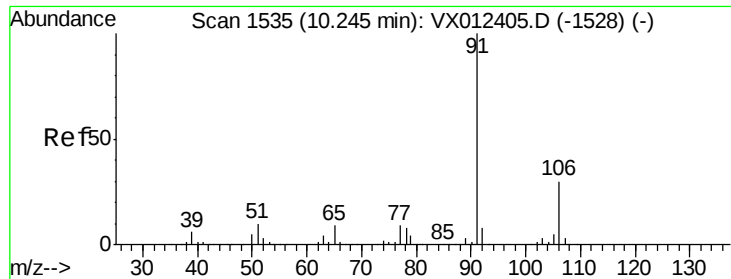


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

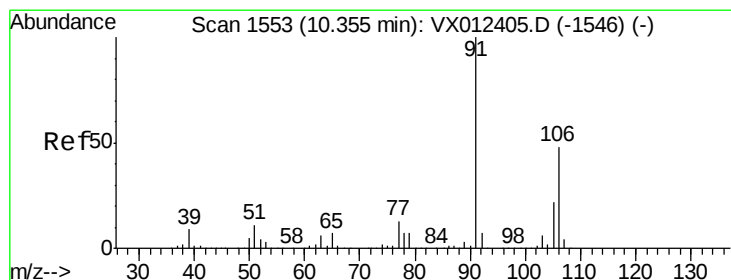
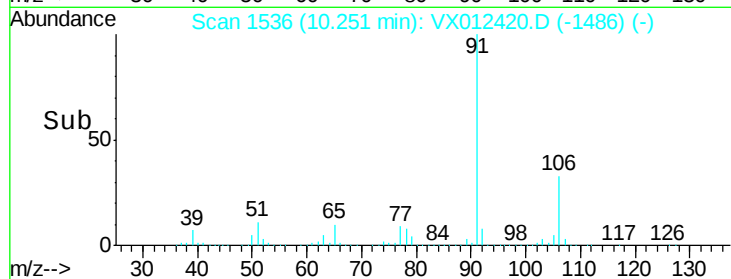
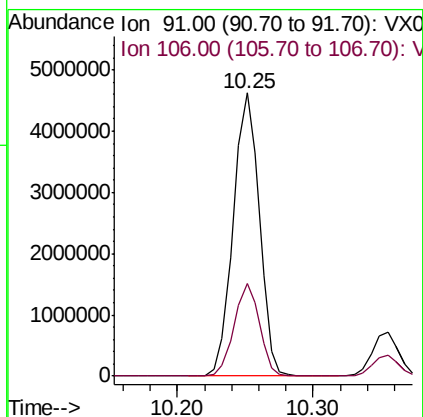
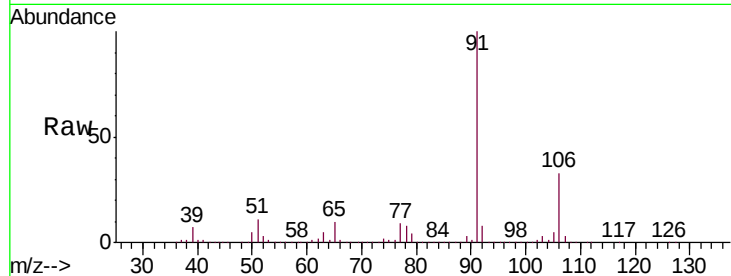




#67
Ethyl Benzene
Concen: 854.948 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX012420.D
Acq: 16 Sep 2019 21:02

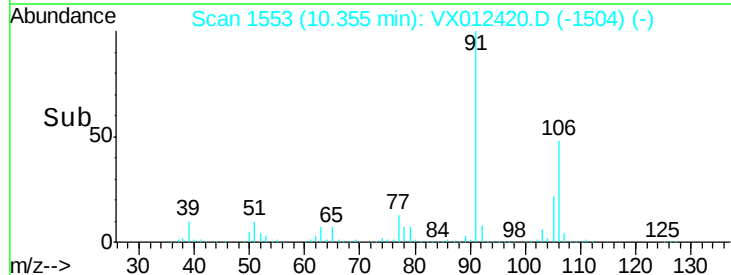
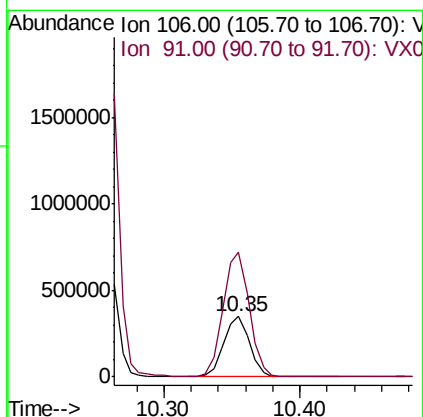
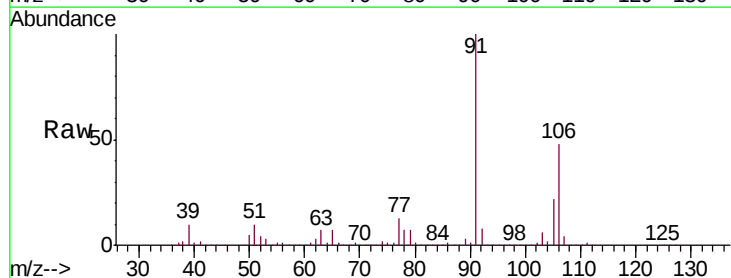
Instrument :
MSVOA_X
ClientSampled :
S13-0280

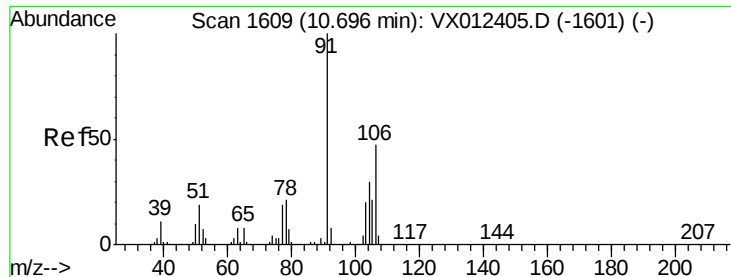
Tgt Ion: 91 Resp: 6191223
Ion Ratio Lower Upper
91 100
106 32.8 24.0 36.0



#68
m/p-Xylenes
Concen: 172.814 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012420.D
Acq: 16 Sep 2019 21:02

Tgt Ion: 106 Resp: 461942
Ion Ratio Lower Upper
106 100
91 208.5 167.4 251.0

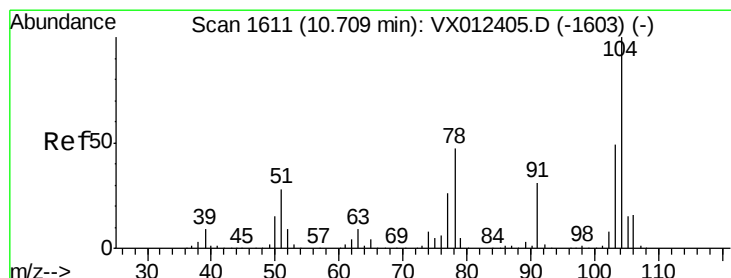
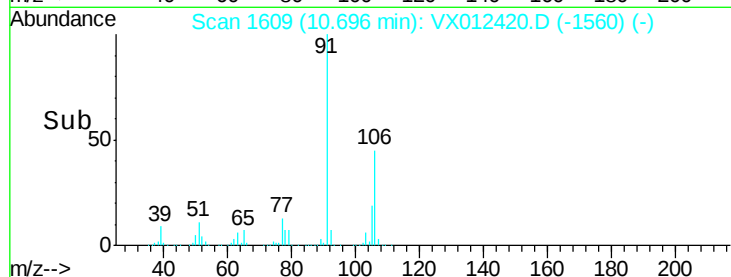
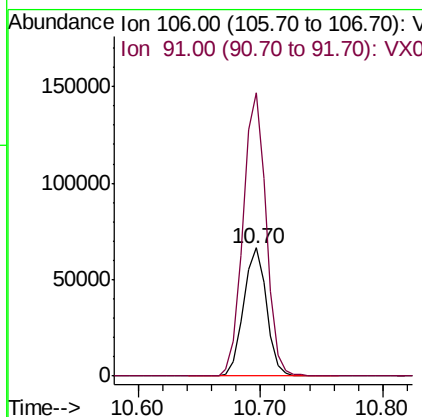
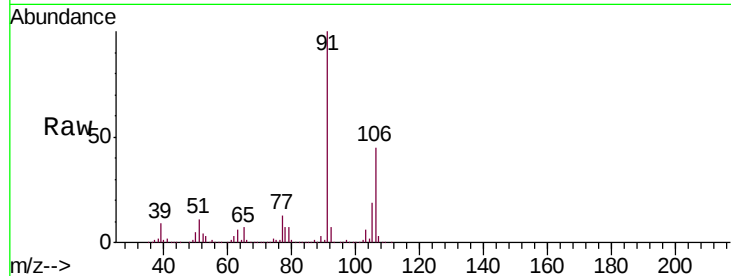




#69
o-Xylene
Concen: 31.197 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012420.D
Acq: 16 Sep 2019 21:02

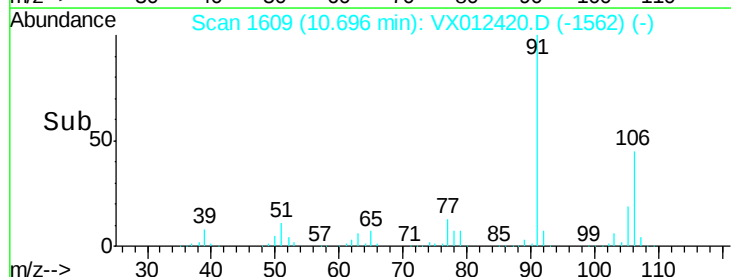
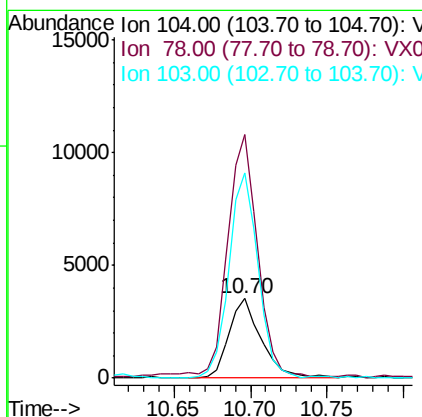
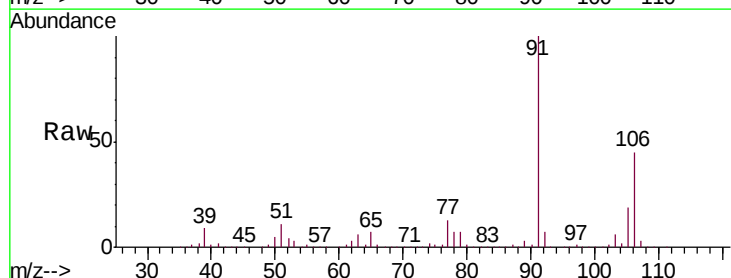
Instrument :
MSVOA_X
ClientSampleId :
S13-0280

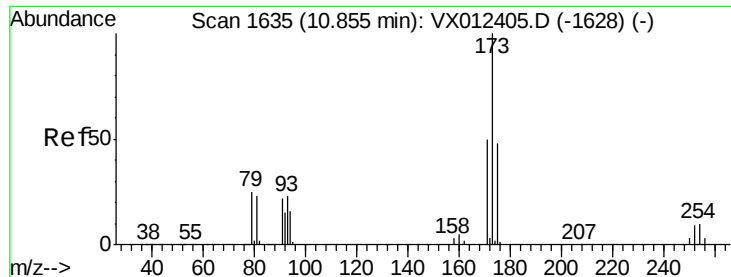
Tgt Ion:106 Resp: 86477
Ion Ratio Lower Upper
106 100
91 220.5 107.8 323.6



#70
Styrene
Concen: 1.075 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.01 min
Lab File: VX012420.D
Acq: 16 Sep 2019 21:02

Tgt Ion:104 Resp: 5171
Ion Ratio Lower Upper
104 100
78 292.5 42.3 63.5#
103 233.0 42.9 64.3#

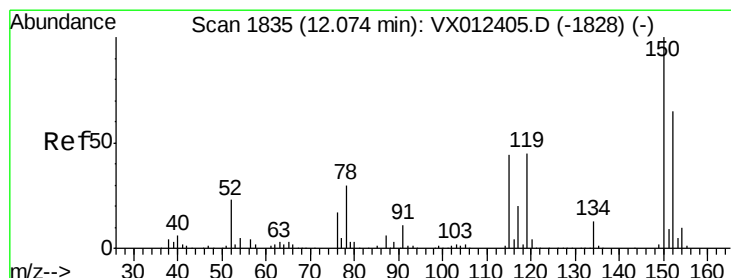
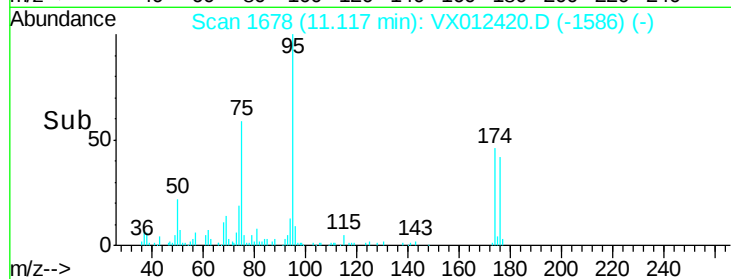
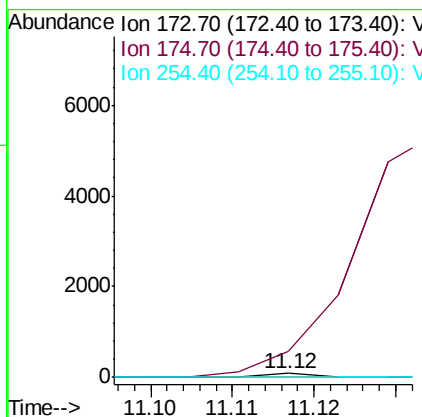
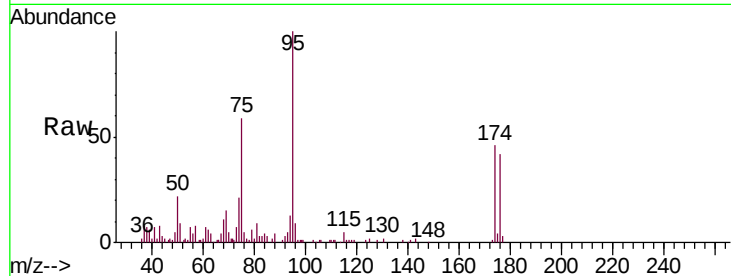




#71
Bromoform
Concen: 2.082 ug/l
RT: 11.12 min Scan# 1678
Delta R.T. 0.26 min
Lab File: VX012420.D
Acq: 16 Sep 2019 21:02

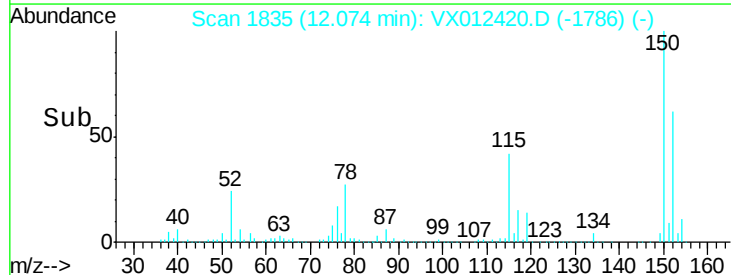
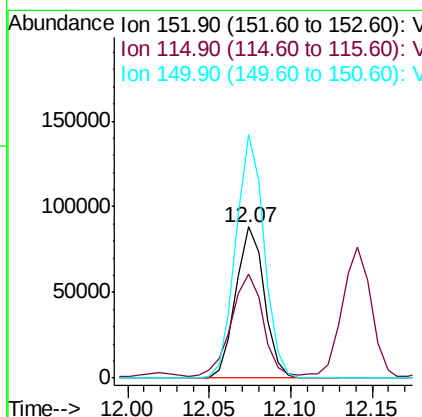
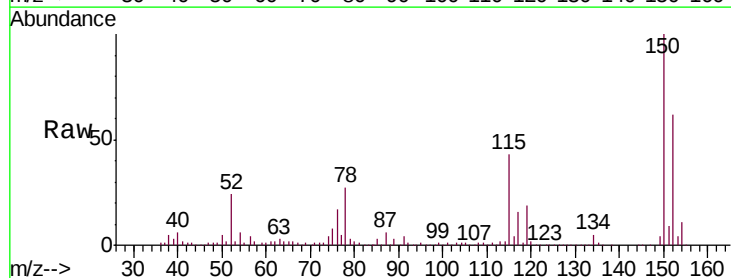
Instrument :
MSVOA_X
ClientSampleId :
S13-0280

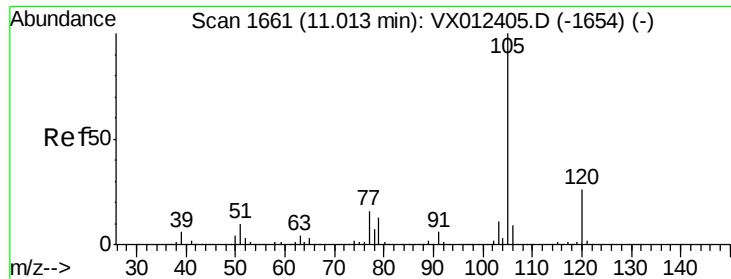
Tgt Ion:173 Resp: 32
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012420.D
Acq: 16 Sep 2019 21:02

Tgt Ion:152 Resp: 107772
Ion Ratio Lower Upper
152 100
115 74.3 45.3 135.9
150 159.5 0.0 354.0





#73

Isopropylbenzene

Concen: 103.705 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012420.D

Acq: 16 Sep 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

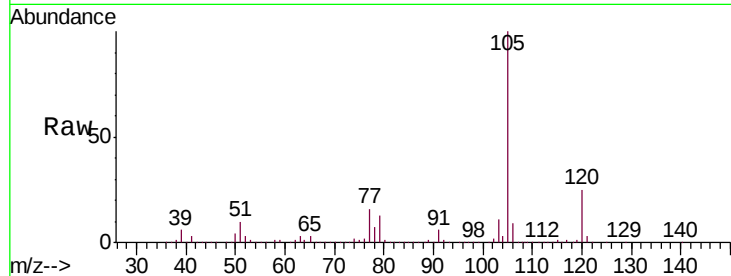
S13-0280

Tgt Ion: 105 Resp: 776485

Ion Ratio Lower Upper

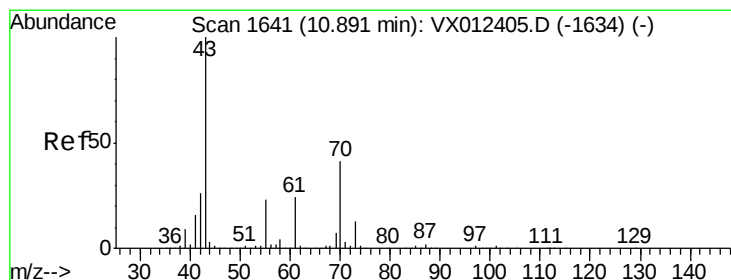
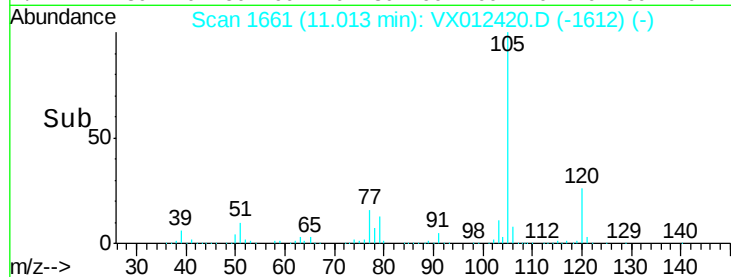
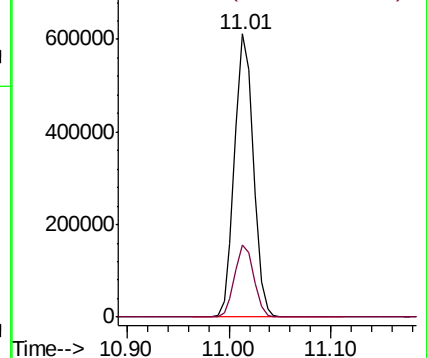
105 100

120 25.9 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.106 ug/l

RT: 10.90 min Scan# 1643

Delta R.T. 0.01 min

Lab File: VX012420.D

Acq: 16 Sep 2019 21:02

Tgt Ion: 43 Resp: 4390

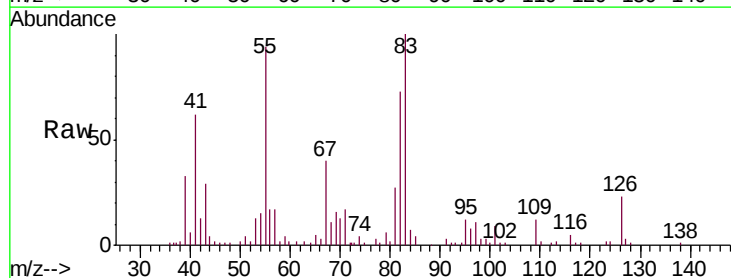
Ion Ratio Lower Upper

43 100

70 103.8 32.7 49.1#

55 459.3 18.9 28.3#

61 14.1 19.0 28.4#

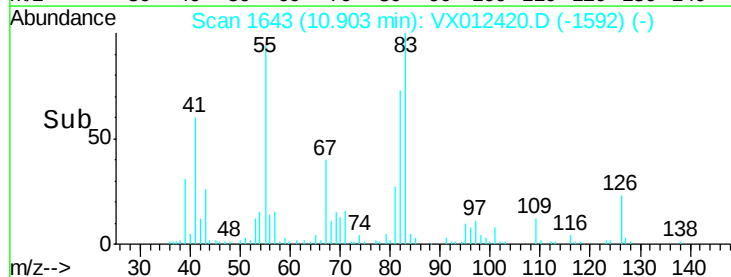
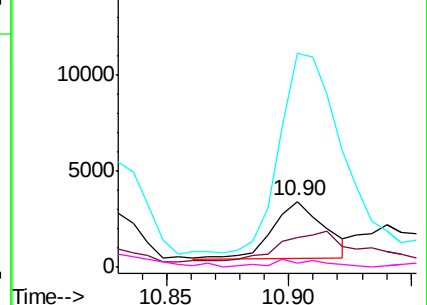


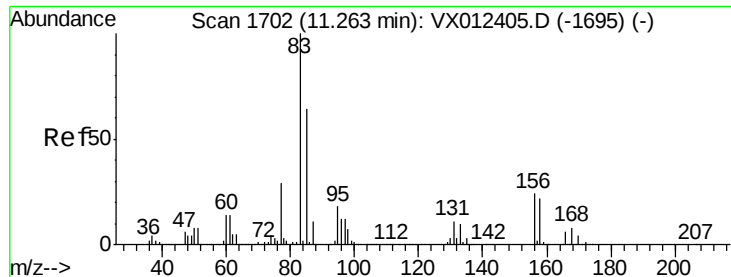
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.497 ug/l

RT: 11.18 min Scan# 1688

Delta R.T. -0.09 min

Lab File: VX012420.D

Acq: 16 Sep 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

S13-0280

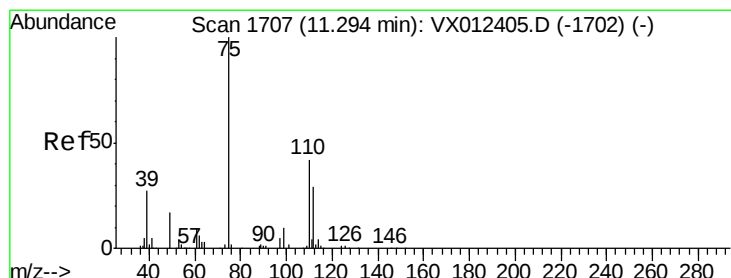
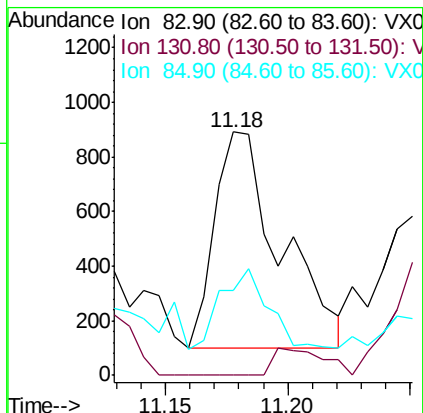
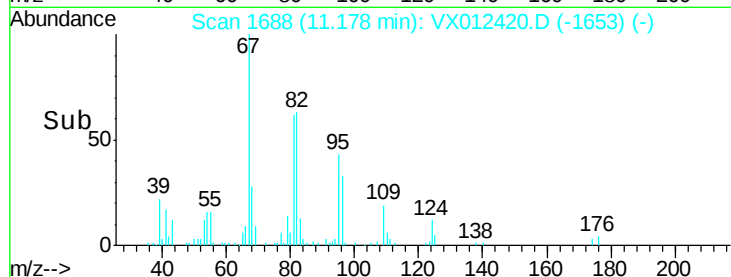
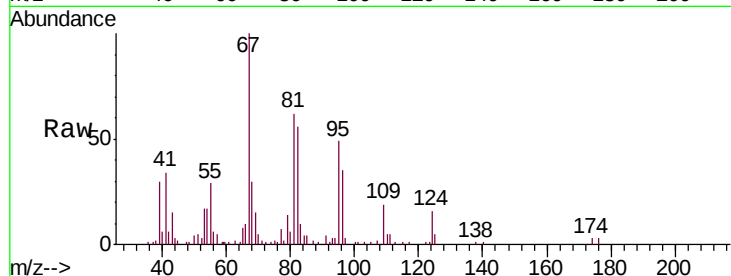
Tgt Ion: 83 Resp: 1493

Ion Ratio Lower Upper

83 100

131 9.6 5.5 16.4

85 45.0 32.9 98.7



#76

1,2,3-Trichloropropane

Concen: 2.629 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.06 min

Lab File: VX012420.D

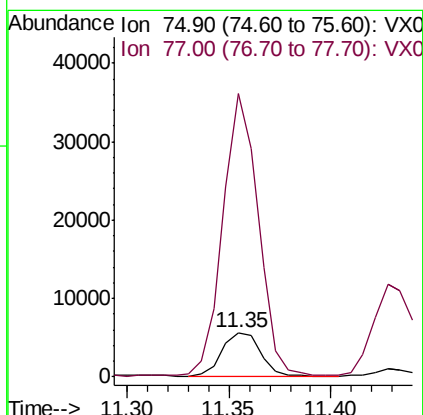
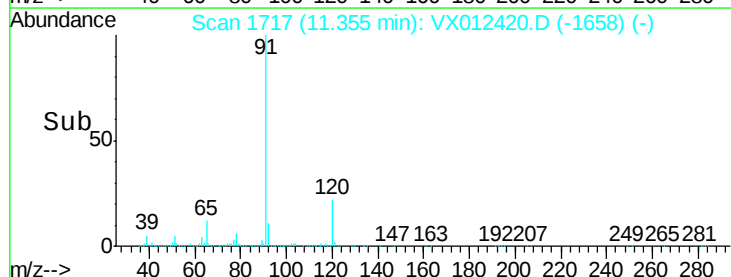
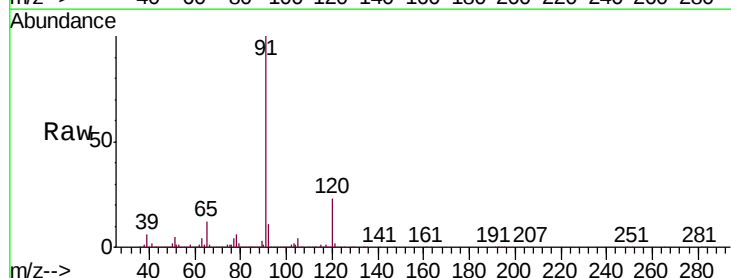
Acq: 16 Sep 2019 21:02

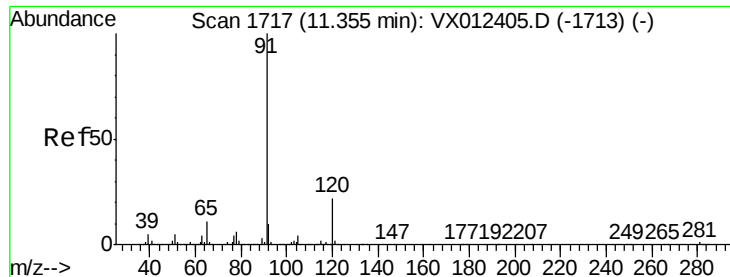
Tgt Ion: 75 Resp: 7325

Ion Ratio Lower Upper

75 100

77 591.2 19.4 58.2#





#78

n-propylbenzene

Concen: 125.445 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012420.D

Acq: 16 Sep 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

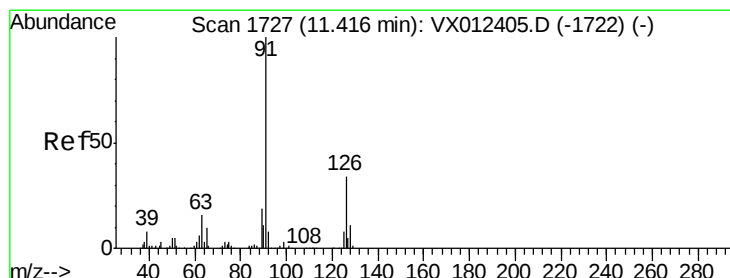
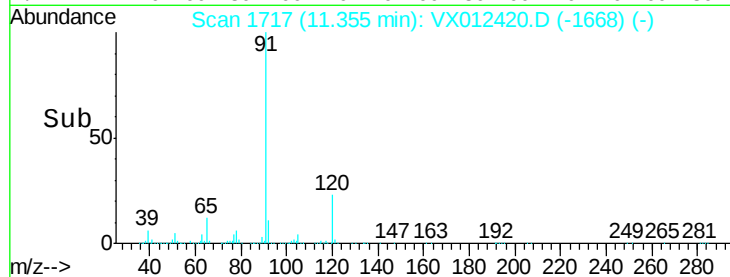
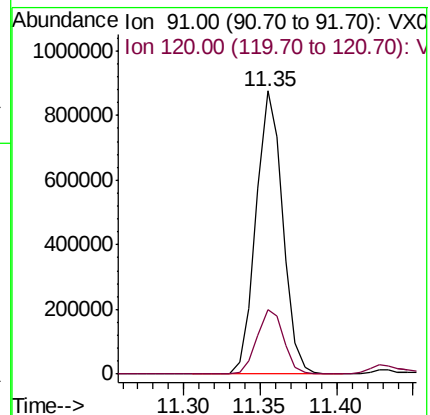
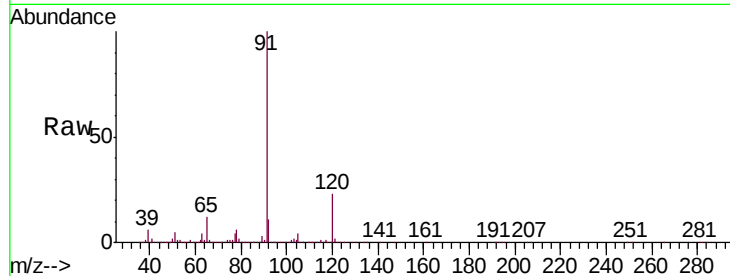
S13-0280

Tgt Ion: 91 Resp: 1061511

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.4



#79

2-Chlorotoluene

Concen: 195.410 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.06 min

Lab File: VX012420.D

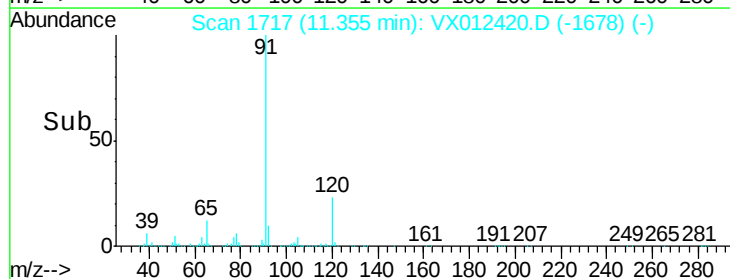
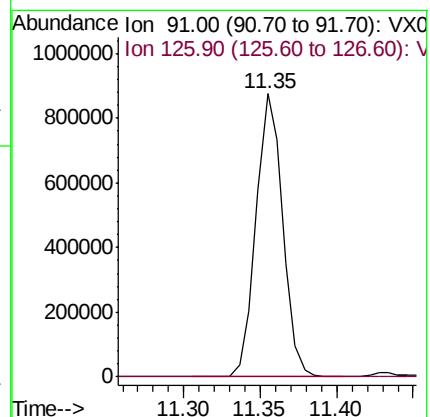
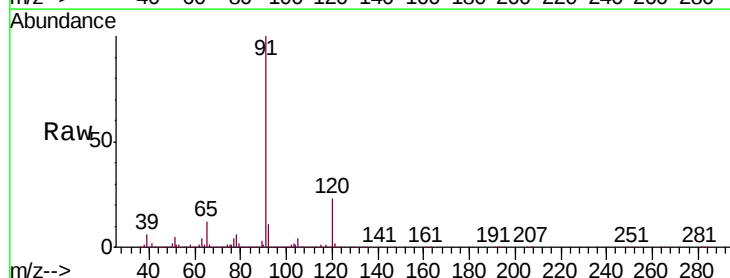
Acq: 16 Sep 2019 21:02

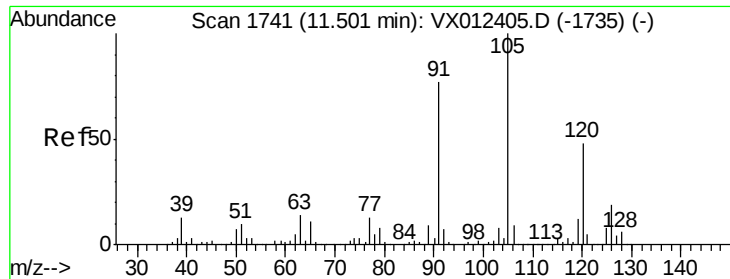
Tgt Ion: 91 Resp: 1061511

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.2#

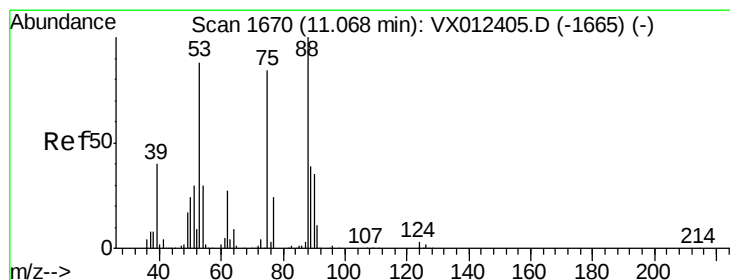
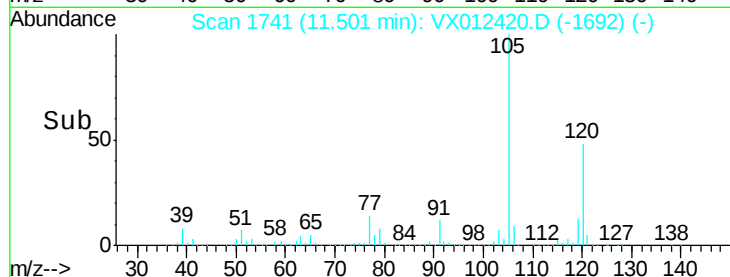
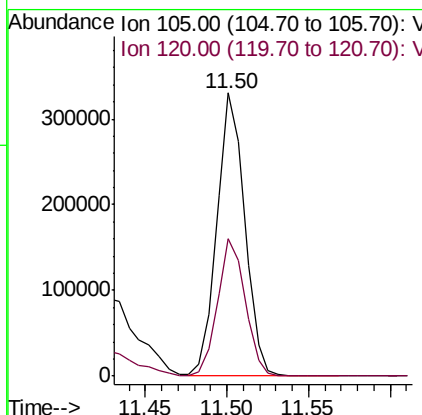
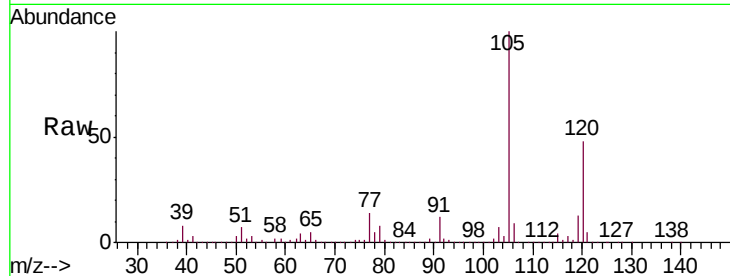




#80
 1,3,5-Trimethylbenzene
 Concen: 60.295 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012420.D
 Acq: 16 Sep 2019 21:02

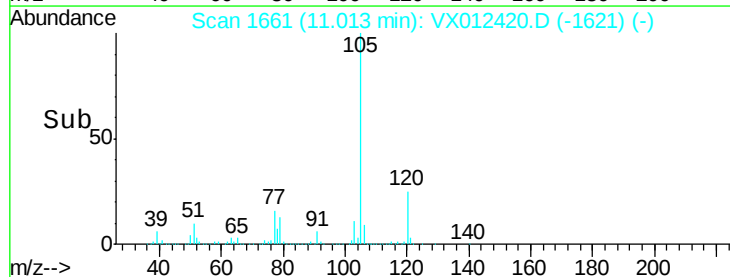
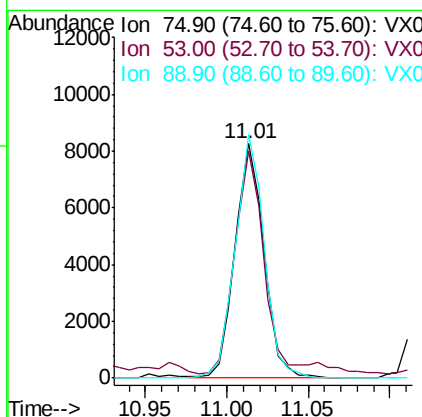
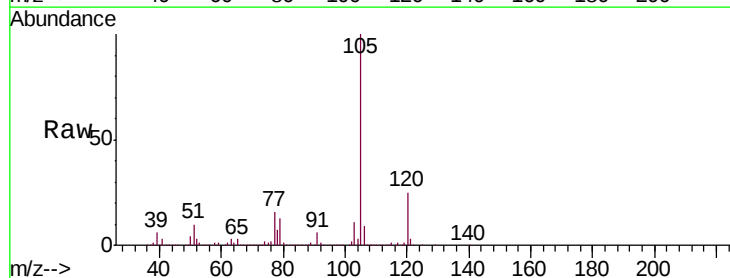
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0280

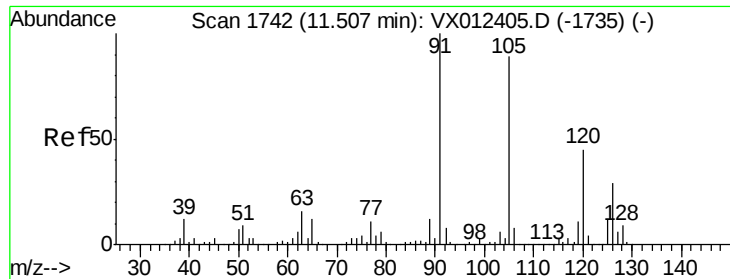
Tgt Ion:105 Resp: 393120
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.3 72.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 10.424 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. -0.05 min
 Lab File: VX012420.D
 Acq: 16 Sep 2019 21:02

Tgt Ion: 75 Resp: 10287
 Ion Ratio Lower Upper
 75 100
 53 92.7 84.6 127.0
 89 103.0 38.8 58.2#

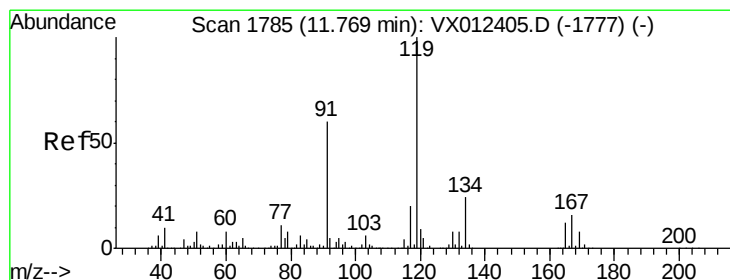
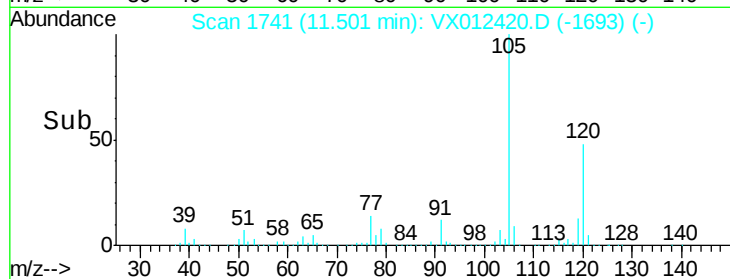
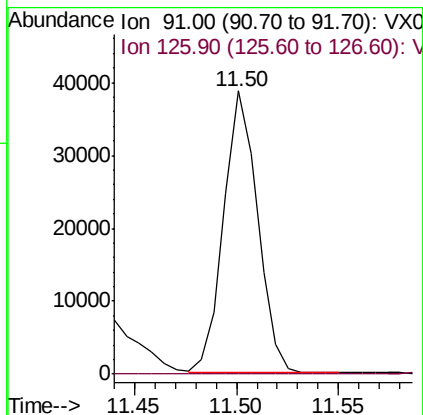
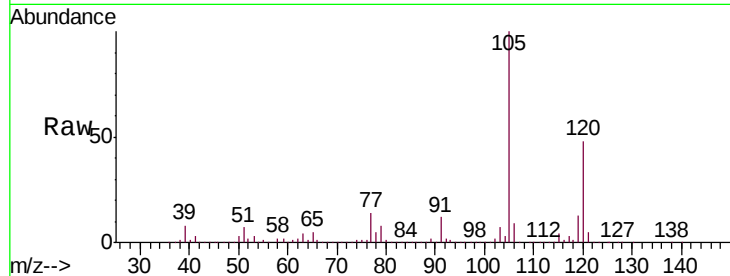




#82
4-Chlorotoluene
Concen: 7.029 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VX012420.D
Acq: 16 Sep 2019 21:02

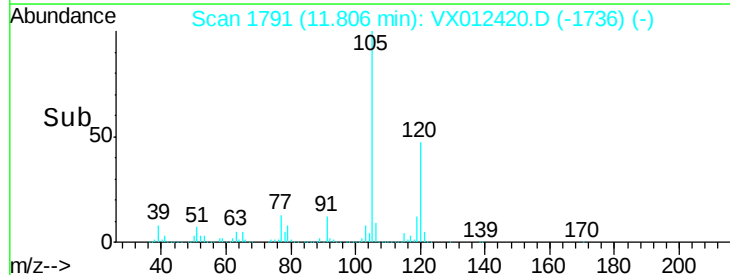
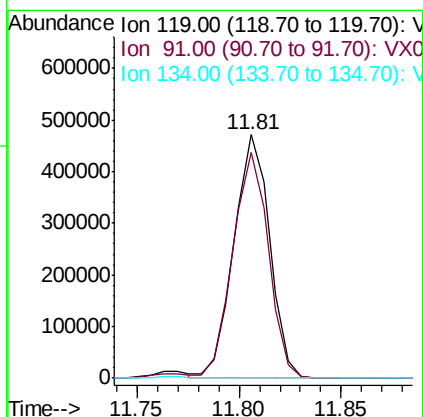
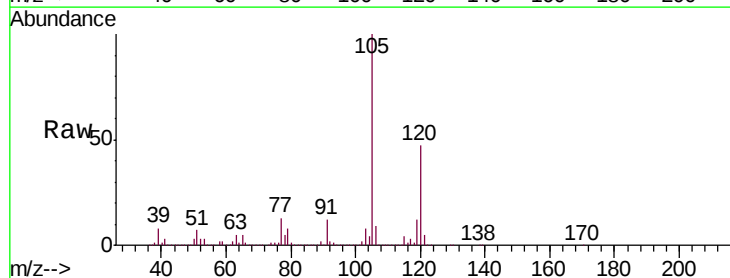
Instrument :
MSVOA_X
ClientSampled :
S13-0280

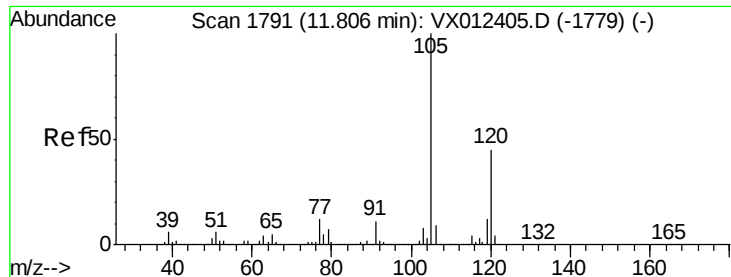
Tgt Ion: 91 Resp: 44525
Ion Ratio Lower Upper
91 100
126 0.0 14.1 42.3#



#83
tert-Butylbenzene
Concen: 82.742 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.04 min
Lab File: VX012420.D
Acq: 16 Sep 2019 21:02

Tgt Ion: 119 Resp: 572222
Ion Ratio Lower Upper
119 100
91 92.3 29.6 88.8#
134 0.0 11.4 34.1#

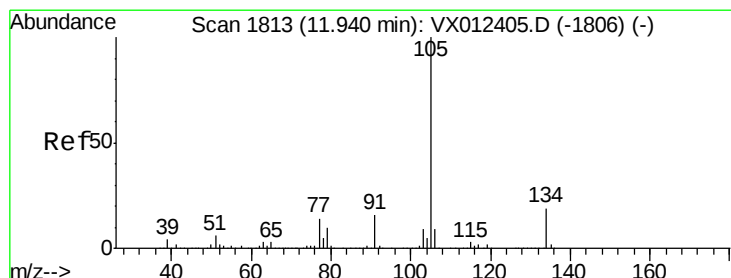
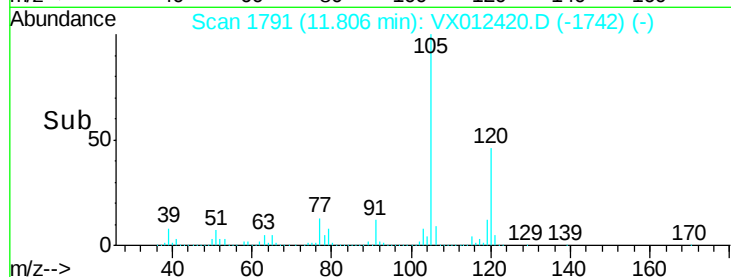
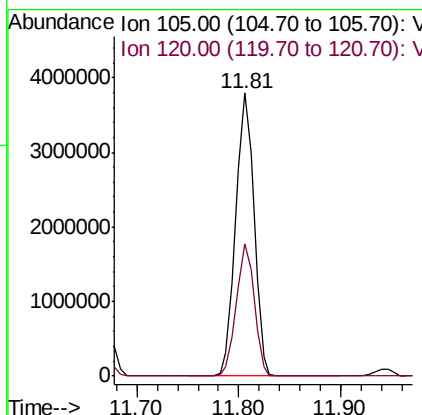
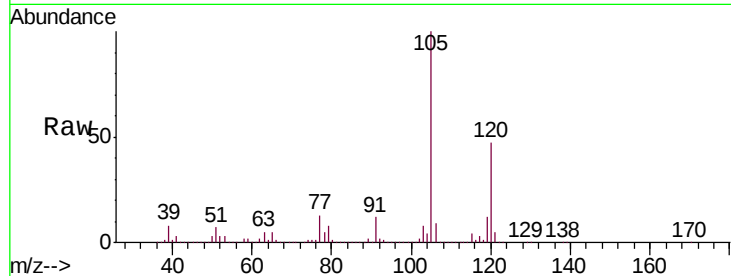




#84
 1,2,4-Trimethylbenzene
 Concen: 705.042 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX012420.D
 Acq: 16 Sep 2019 21:02

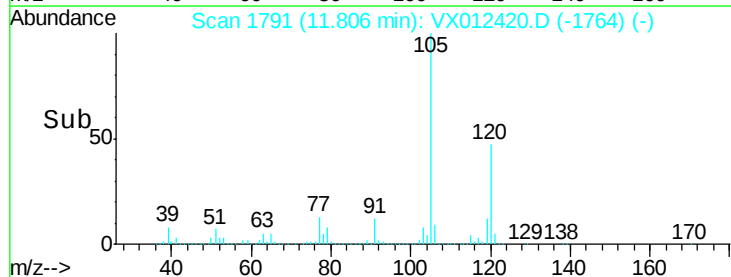
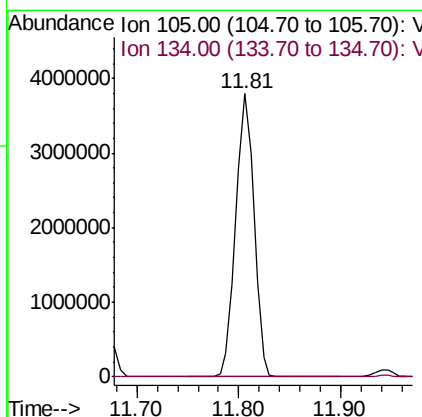
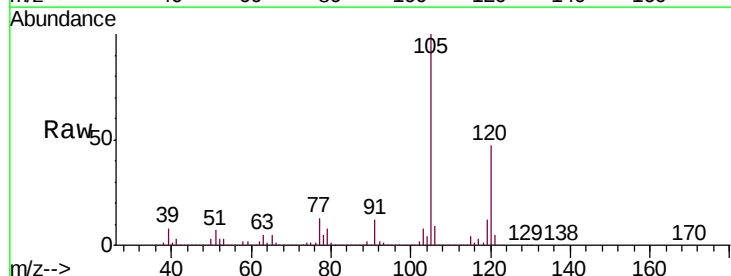
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0280

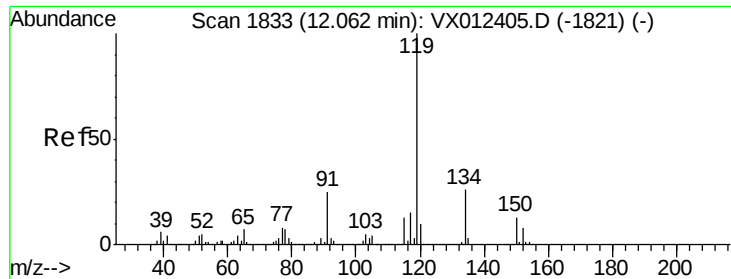
Tgt Ion:105 Resp: 4664349
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.1 66.5



#85
 sec-Butylbenzene
 Concen: 609.964 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.13 min
 Lab File: VX012420.D
 Acq: 16 Sep 2019 21:02

Tgt Ion:105 Resp: 4663599
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#

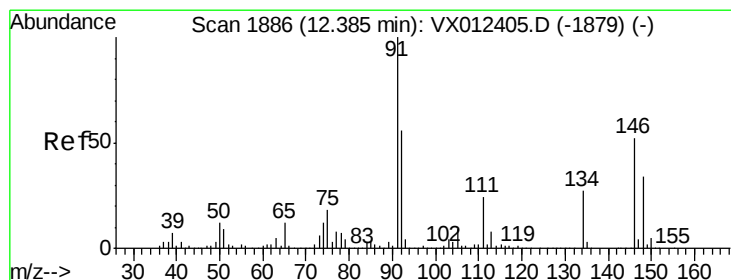
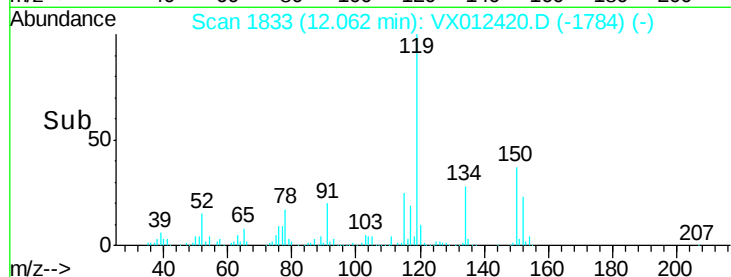
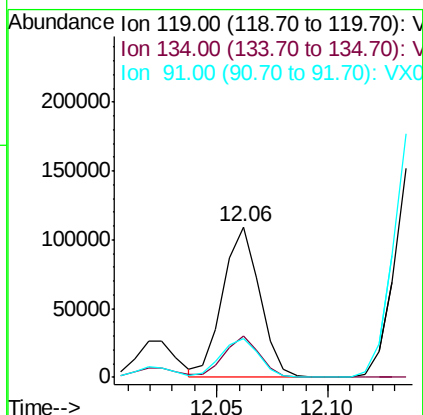
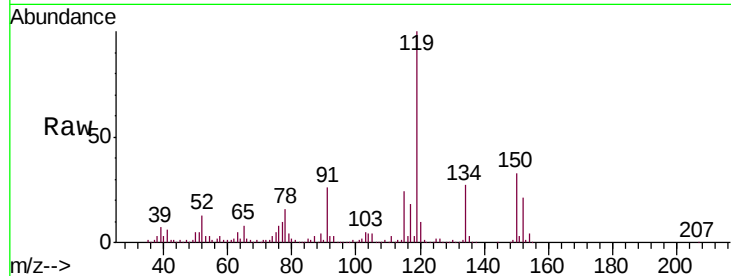




#86
p-Isopropyltoluene
Concen: 18.067 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX012420.D
Acq: 16 Sep 2019 21:02

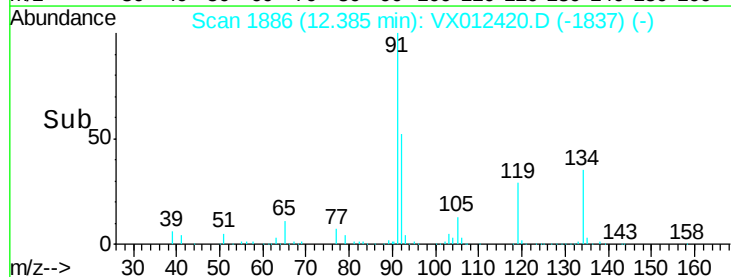
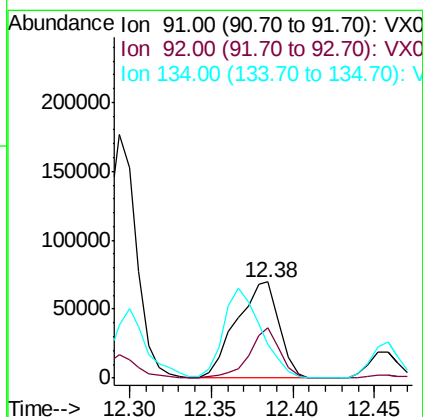
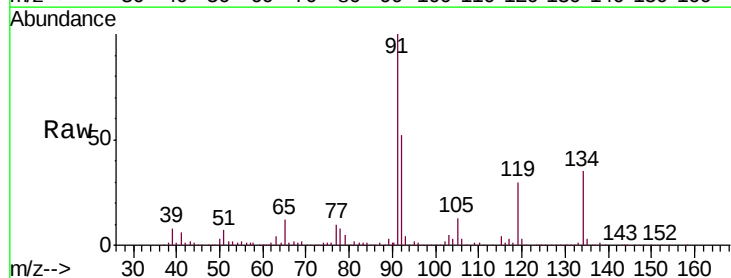
Instrument :
MSVOA_X
ClientSampled :
S13-0280

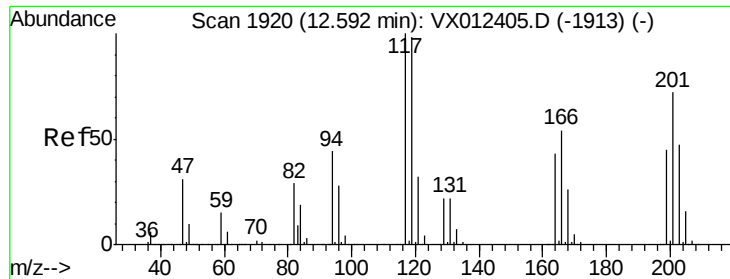
Tgt Ion: 119 Resp: 126556
Ion Ratio Lower Upper
119 100
134 26.7 12.9 38.6
91 26.5 12.9 38.6



#89
n-Butylbenzene
Concen: 20.466 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012420.D
Acq: 16 Sep 2019 21:02

Tgt Ion: 91 Resp: 126604
Ion Ratio Lower Upper
91 100
92 37.2 27.5 82.4
134 82.8 13.2 39.6#





#90

Hexachloroethane

Concen: 22.522 ug/l

RT: 12.60 min Scan# 1922

Delta R.T. 0.01 min

Lab File: VX012420.D

Acq: 16 Sep 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

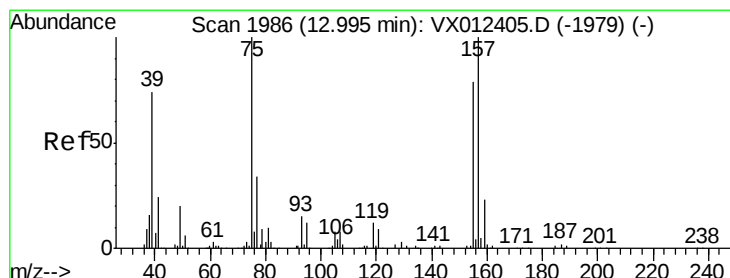
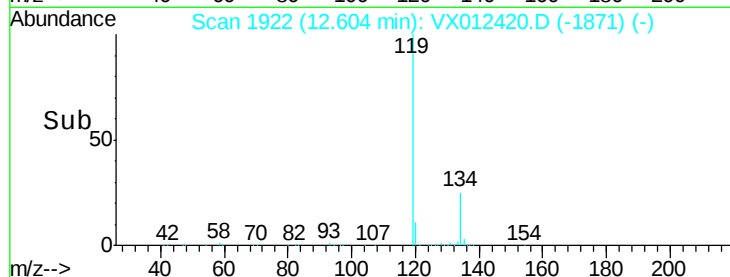
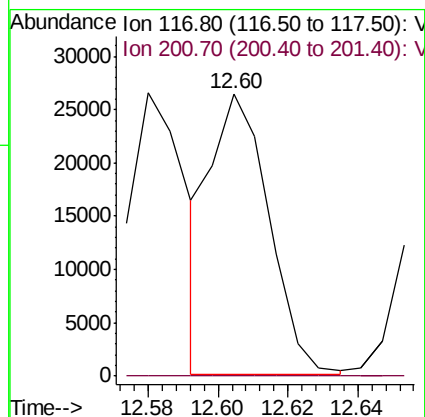
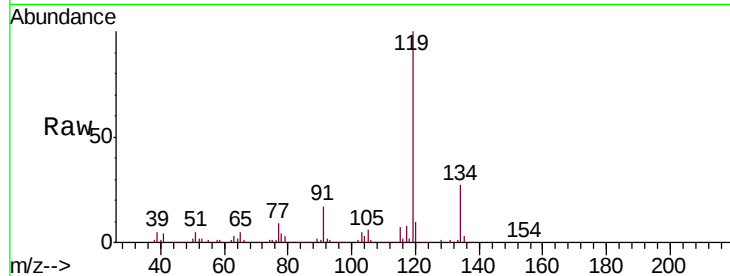
S13-0280

Tgt Ion:117 Resp: 30499

Ion Ratio Lower Upper

117 100

201 0.0 35.2 105.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.809 ug/l

RT: 13.01 min Scan# 1989

Delta R.T. 0.02 min

Lab File: VX012420.D

Acq: 16 Sep 2019 21:02

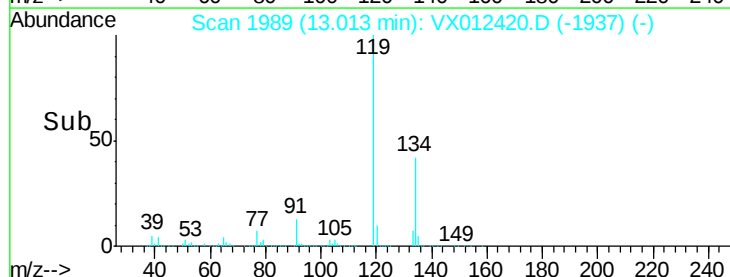
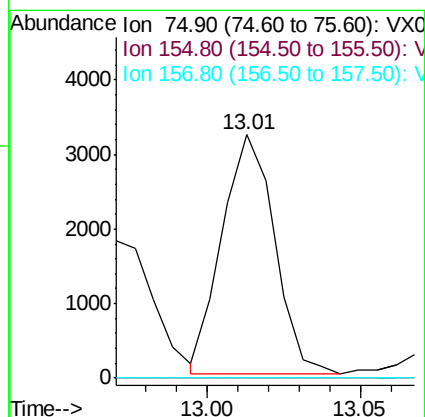
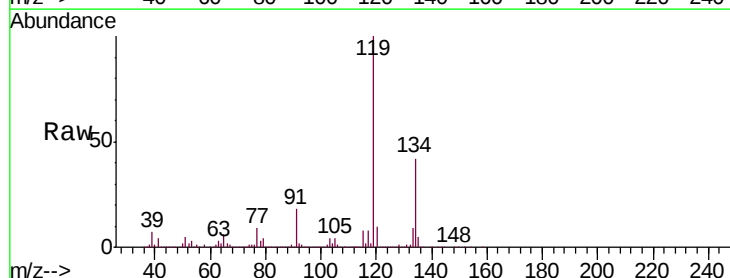
Tgt Ion: 75 Resp: 3814

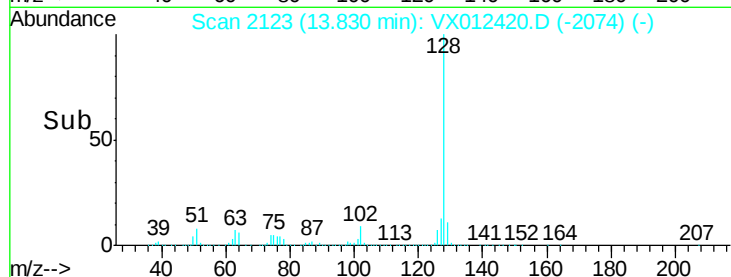
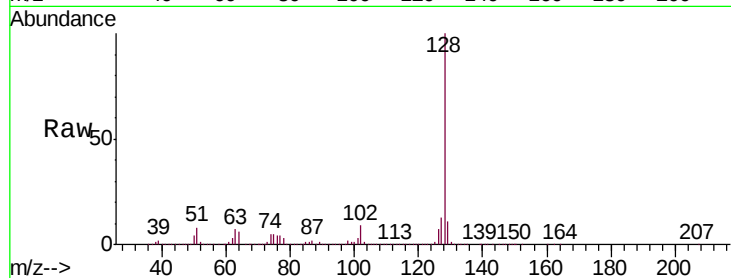
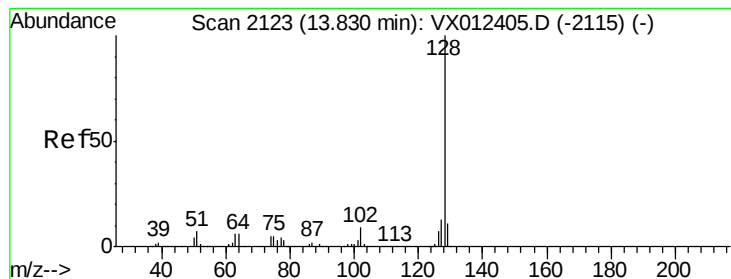
Ion Ratio Lower Upper

75 100

155 0.0 39.8 119.4#

157 0.0 50.0 150.1#





#95

Naphthalene

Concen: 235.773 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012420.D

Acq: 16 Sep 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

S13-0280

Tgt Ion:128 Resp: 2163723

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 11.2 8.6 13.0

