

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091619\
 Data File : VX012414.D
 Acq On : 16 Sep 2019 18:42
 Operator : JC/SP
 Sample : K4830-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0276

Quant Time: Sep 17 04:53:56 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	111855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	181559	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	167336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	94072	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	122860	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
35) Dibromofluoromethane	5.49	113	87539	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	8.71	98	316020	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	11.14	95	125477	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	66	0.548	ug/l #	42
3) Chloromethane	1.31	50	437	0.509	ug/l #	83
5) Bromomethane	1.64	94	509	1.274	ug/l #	55
6) Chloroethane	1.68	64	268	0.431	ug/l #	44
10) Methyl Iodide	2.50	142	330	0.278	ug/l #	81
11) Tert butyl alcohol	3.00	59	6127	10.595	ug/l #	72
13) Acrolein	2.30	56	220	0.883	ug/l	94
14) Allyl chloride	2.70	41	531	0.236	ug/l #	27
16) Acetone	2.43	43	2386	2.318	ug/l #	82
17) Carbon Disulfide	2.56	76	429	1.795	ug/l #	75
20) Methylene Chloride	2.85	84	660	0.470	ug/l #	90
25) 2-Butanone	4.68	43	1427	0.973	ug/l #	51
29) Tetrahydrofuran	5.12	42	243	0.286	ug/l #	41
31) Cyclohexane	5.57	56	15248	9.684	ug/l	98
36) 1,1-Dichloropropene	5.65	75	9656	5.755	ug/l #	51
38) Carbon Tetrachloride	5.65	117	12312	6.013	ug/l #	17
39) Methylcyclohexane	7.46	83	3793	2.354	ug/l #	83
40) Benzene	6.13	78	8564	1.657	ug/l	100
48) Methyl methacrylate	7.73	41	177	1.528	ug/l #	12
51) 4-Methyl-2-Pentanone	8.64	43	659	0.229	ug/l	93
55) 1,1,2-Trichloroethane	9.17	97	2366	1.338	ug/l #	18
56) Ethyl methacrylate	9.15	69	623	0.234	ug/l #	1
60) Dibromochloromethane	9.32	129	139	1.810	ug/l #	11
67) Ethyl Benzene	10.25	91	7106	1.066	ug/l	94
68) m/p-Xylenes	10.36	106	498	0.202	ug/l #	62
73) Isopropylbenzene	11.01	105	42048	6.434	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.28	83	991	0.378	ug/l #	68
76) 1,2,3-Trichloropropane	11.14	75	65333	26.866	ug/l #	39
78) n-propylbenzene	11.35	91	37505	5.078	ug/l	100
79) 2-Chlorotoluene	11.35	91	37505	7.910	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.67	105	1595	0.280	ug/l	69
81) trans-1,4-Dichloro-2-buten	11.14	75	65333	75.842	ug/l #	8
82) 4-Chlorotoluene	11.35	91	37505	6.783	ug/l #	47
83) tert-Butylbenzene	11.76	119	3449	0.571	ug/l	74

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Response via : Initial Calibration

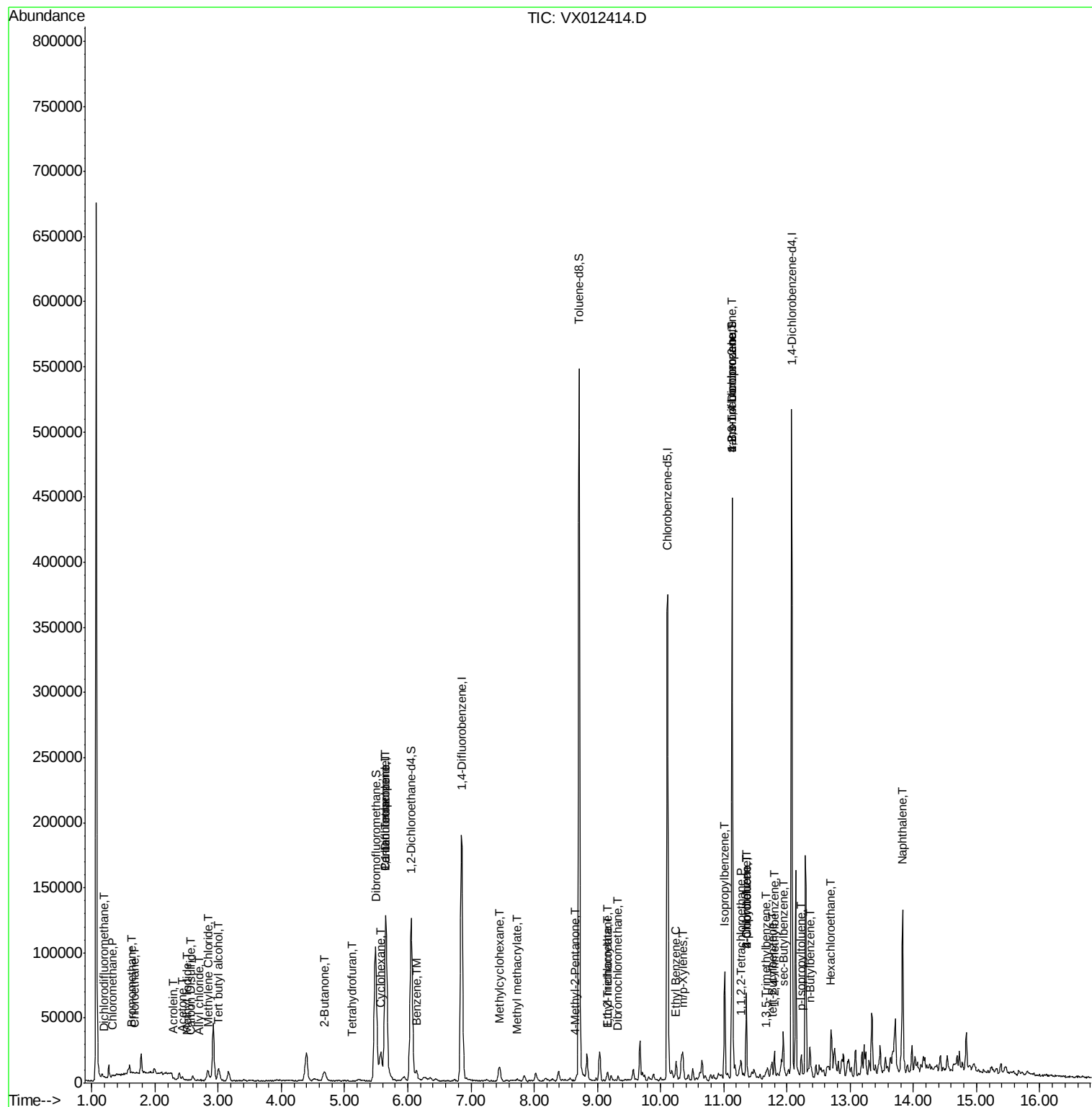
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	11.80	105	8213	1.422	ug/l	100
85) sec-Butylbenzene	11.94	105	15726	2.356	ug/l	84
86) p-Isopropyltoluene	12.23	119	5664	0.926	ug/l	95
89) n-Butylbenzene	12.37	91	2946	0.546	ug/l #	13
90) Hexachloroethane	12.70	117	10237	8.660	ug/l #	14
95) Naphthalene	13.83	128	71148	9.222	ug/l	96

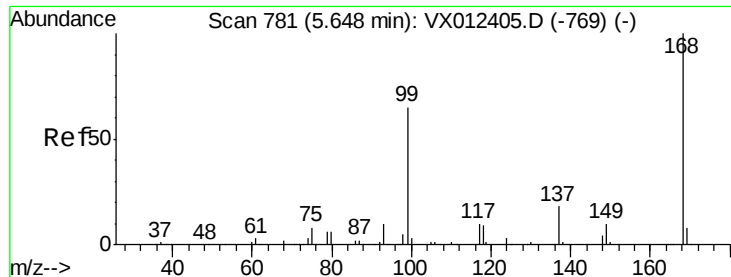
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012414.D

Acq: 16 Sep 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

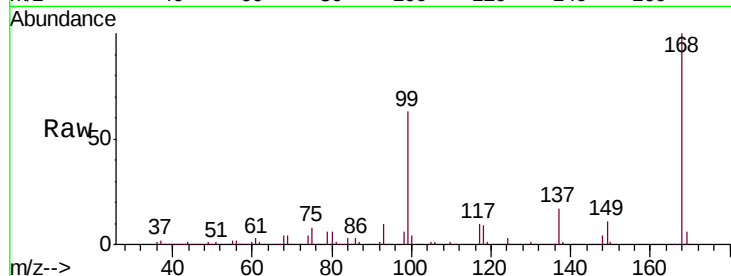
S13-0276

Tgt Ion:168 Resp: 111855

Ion Ratio Lower Upper

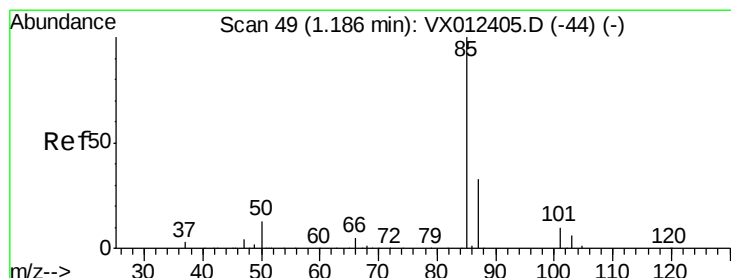
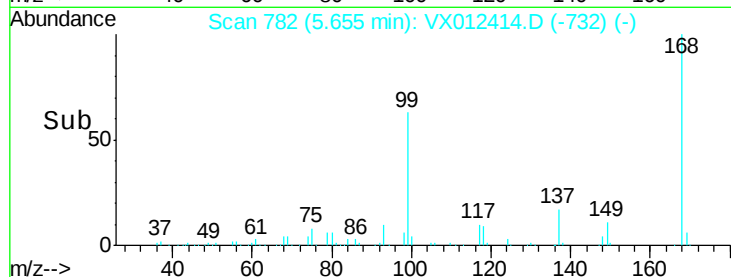
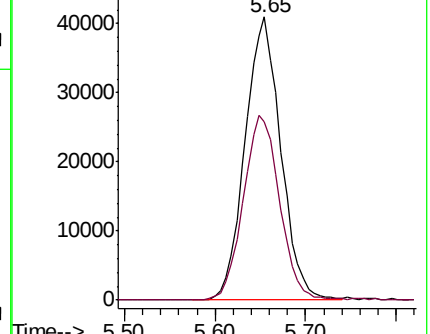
168 100

99 63.2 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.548 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012414.D

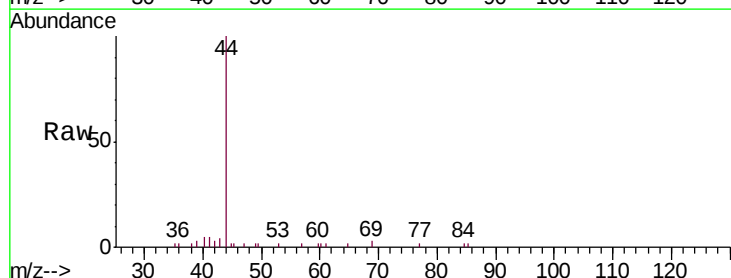
Acq: 16 Sep 2019 18:42

Tgt Ion: 85 Resp: 66

Ion Ratio Lower Upper

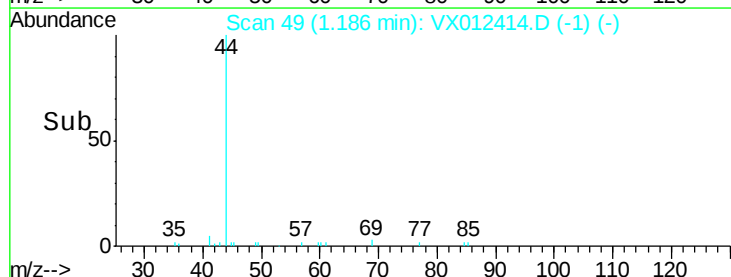
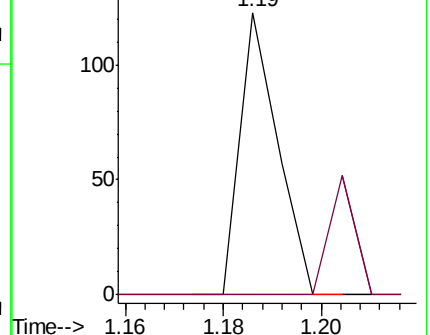
85 100

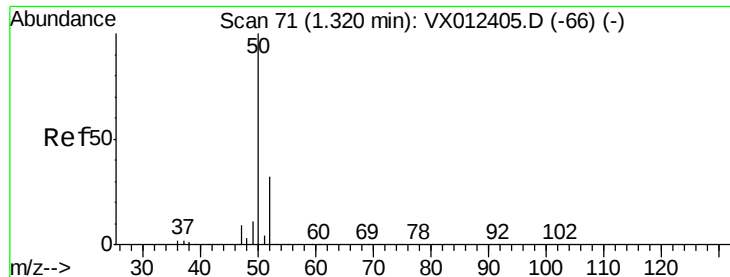
87 0.0 16.4 49.2#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.509 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012414.D

Acq: 16 Sep 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

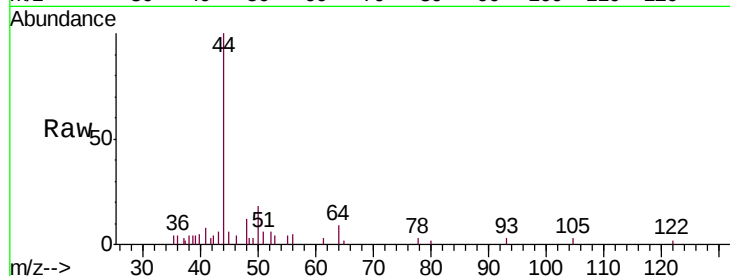
S13-0276

Tgt Ion: 50 Resp: 437

Ion Ratio Lower Upper

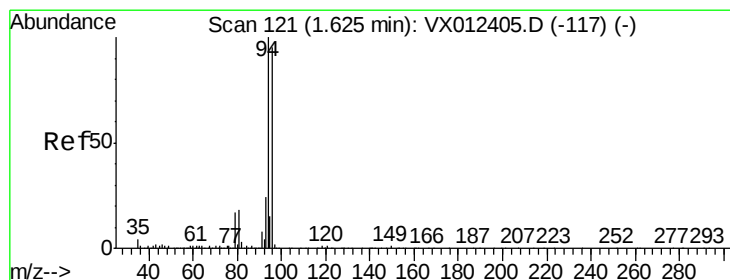
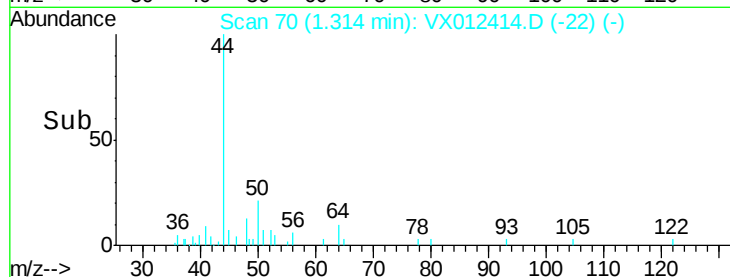
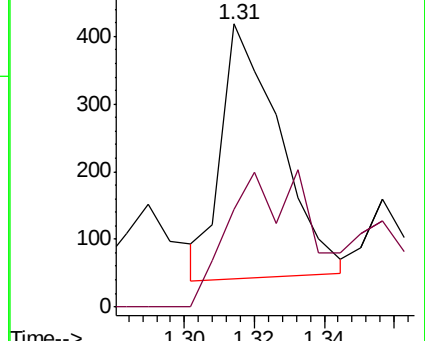
50 100

52 41.5 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: 1.274 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012414.D

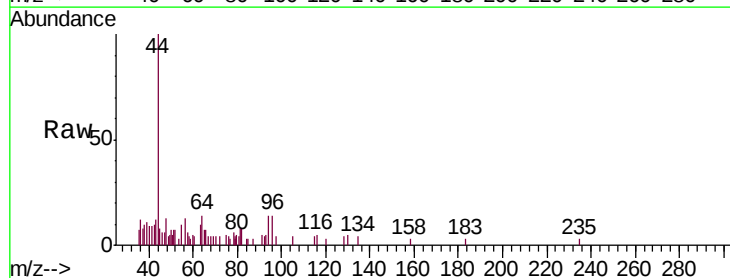
Acq: 16 Sep 2019 18:42

Tgt Ion: 94 Resp: 509

Ion Ratio Lower Upper

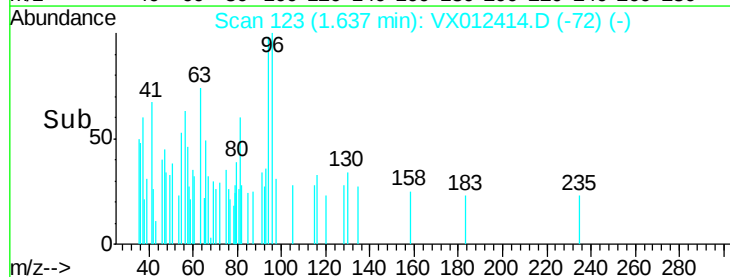
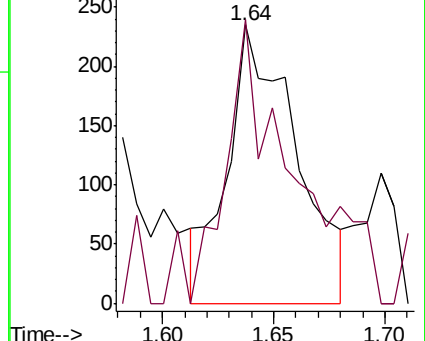
94 100

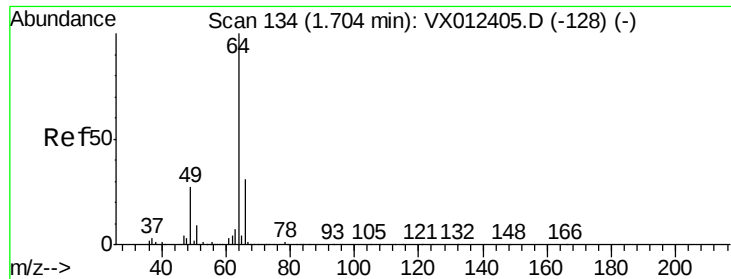
96 138.2 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.431 ug/l

RT: 1.68 min Scan# 130

Delta R.T. -0.02 min

Lab File: VX012414.D

Acq: 16 Sep 2019 18:42

Instrument :

MSVOA_X

ClientSampled :

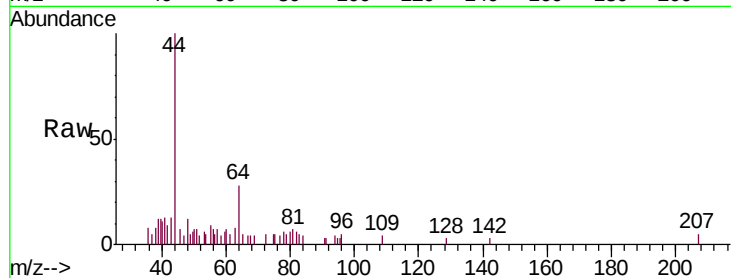
S13-0276

Tgt Ion: 64 Resp: 268

Ion Ratio Lower Upper

64 100

66 0.0 24.7 37.1#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.68

400

300

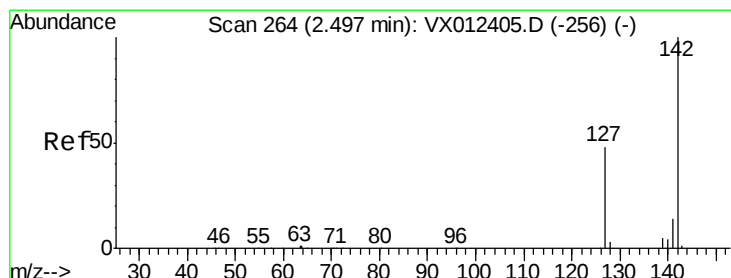
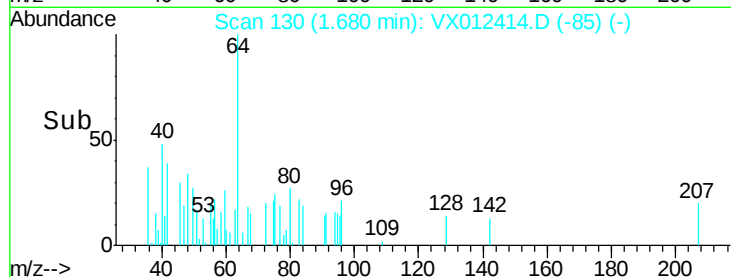
200

100

0

1.66 1.68

Time-->



#10

Methyl Iodide

Concen: 0.278 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012414.D

Acq: 16 Sep 2019 18:42

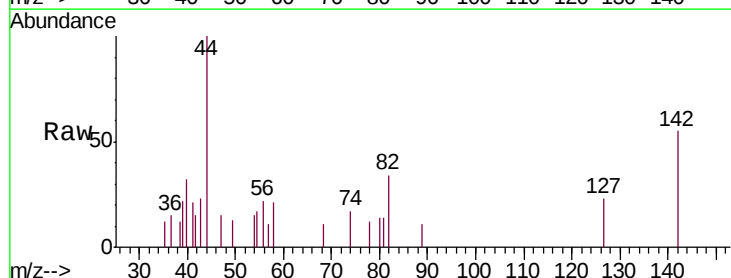
Tgt Ion: 142 Resp: 330

Ion Ratio Lower Upper

142 100

127 59.4 39.6 59.4

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

300

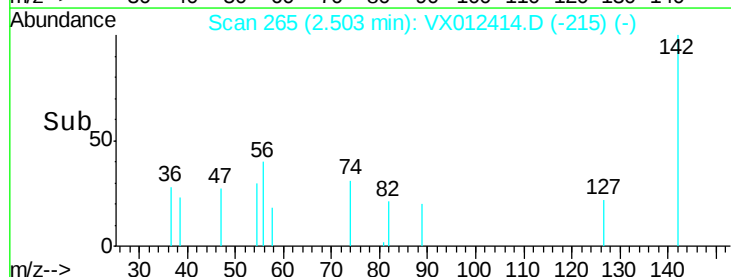
200

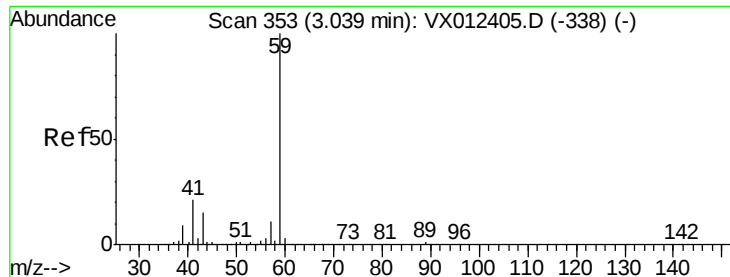
100

0

2.45 2.50 2.55

Time-->

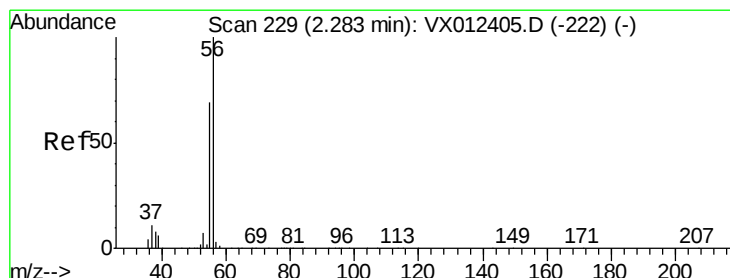
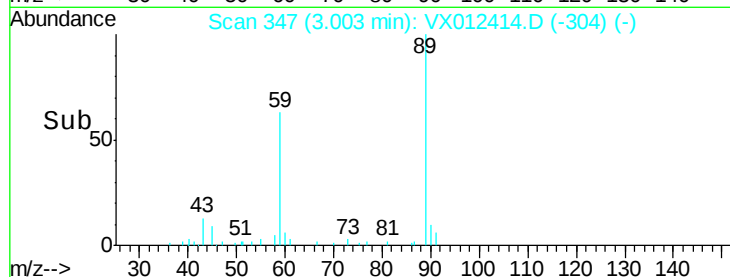
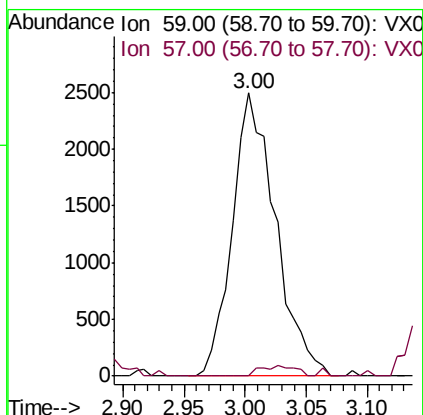
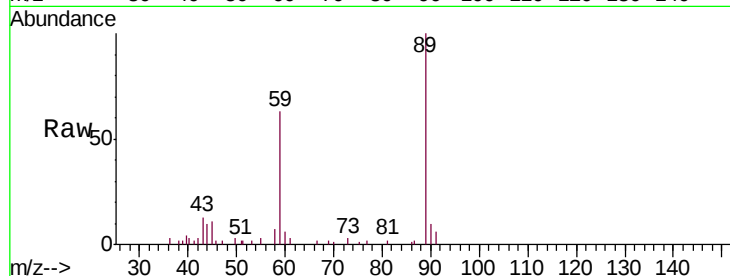




#11
Tert butyl alcohol
Concen: 10.595 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.04 min
Lab File: VX012414.D
Acq: 16 Sep 2019 18:42

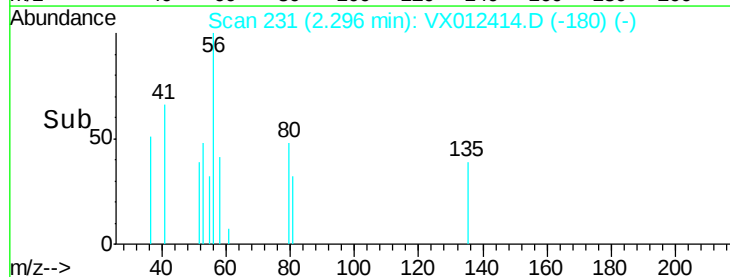
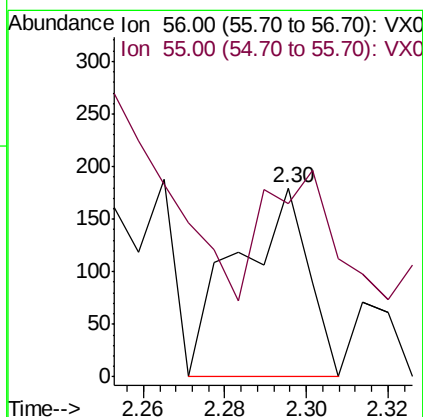
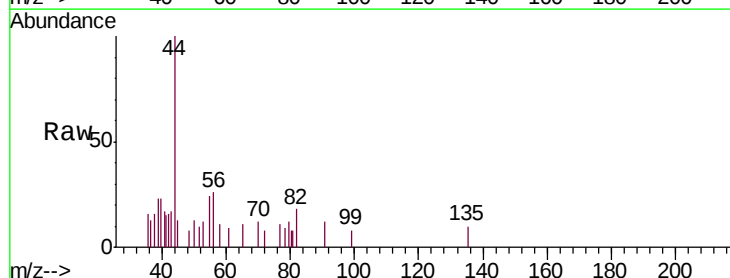
Instrument :
MSVOA_X
ClientSampled :
S13-0276

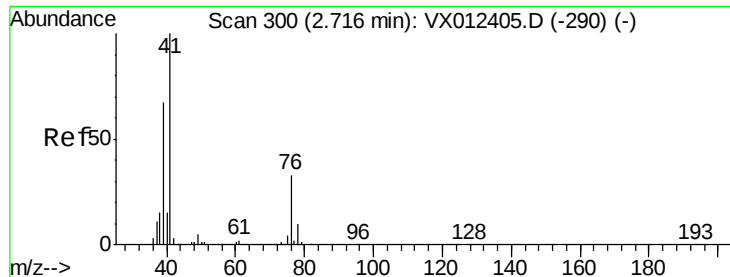
Tgt Ion: 59 Resp: 6127
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.883 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX012414.D
Acq: 16 Sep 2019 18:42

Tgt Ion: 56 Resp: 220
Ion Ratio Lower Upper
56 100
55 65.0 56.1 84.1

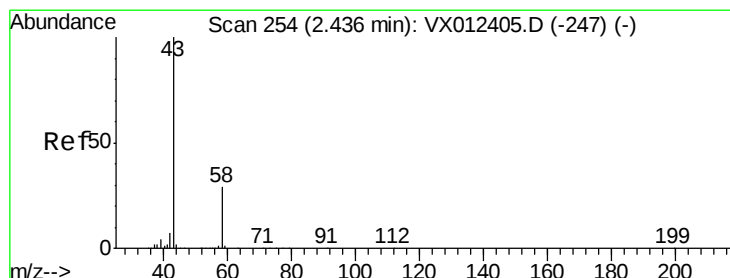
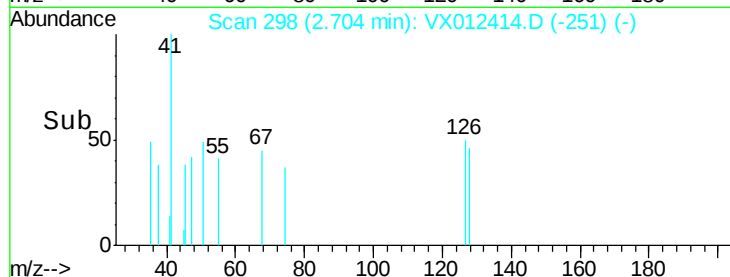
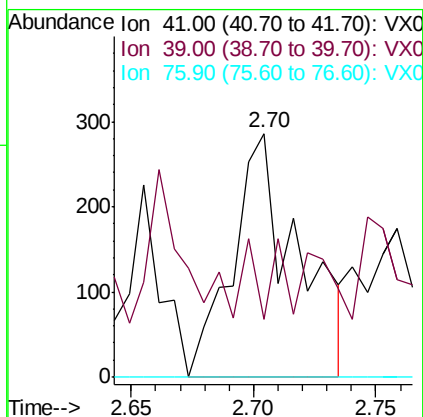
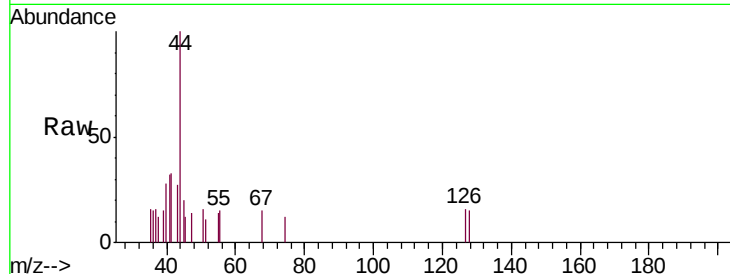




#14
 Allyl chloride
 Concen: 0.236 ug/l
 RT: 2.70 min Scan# 298
 Delta R.T. -0.01 min
 Lab File: VX012414.D
 Acq: 16 Sep 2019 18:42

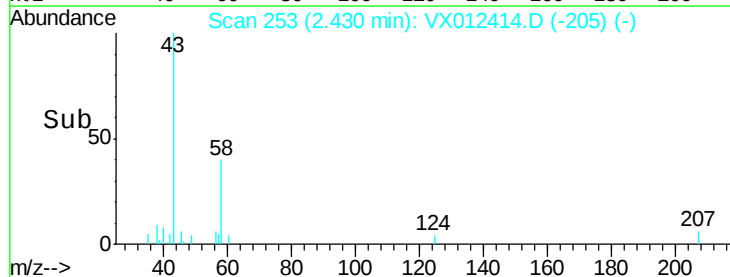
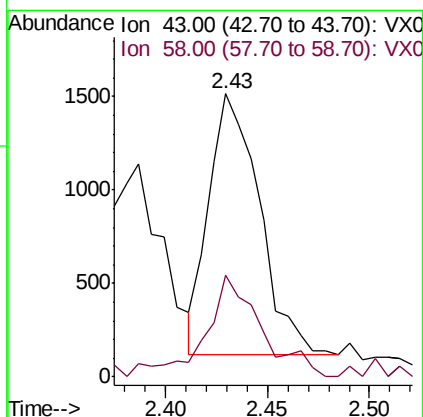
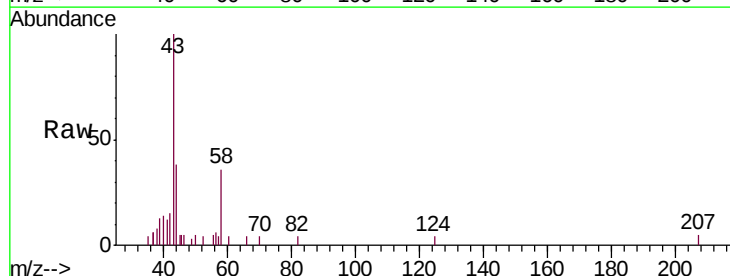
Instrument :
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 ClientSampleID :
 S13-0276

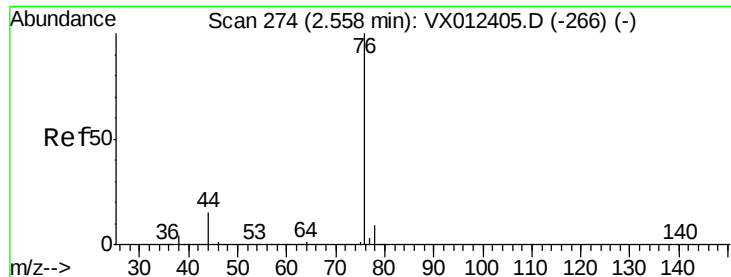
Tgt Ion: 41 Resp: 531
 Ion Ratio Lower Upper
 41 100
 39 0.0 51.1 76.7#
 76 0.0 23.4 35.2#



#16
 Acetone
 Concen: 2.318 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX012414.D
 Acq: 16 Sep 2019 18:42

Tgt Ion: 43 Resp: 2386
 Ion Ratio Lower Upper
 43 100
 58 39.1 23.5 35.3#

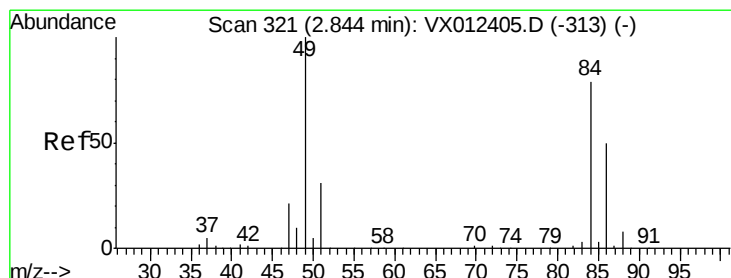
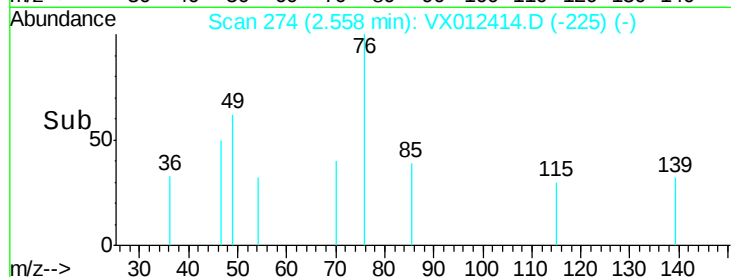
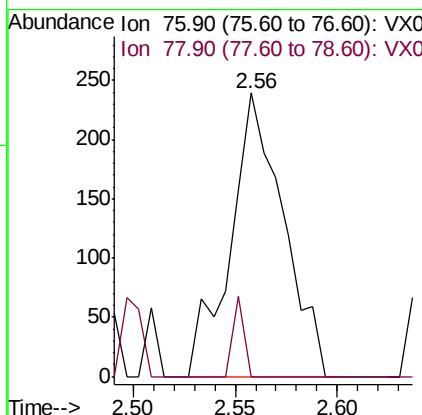
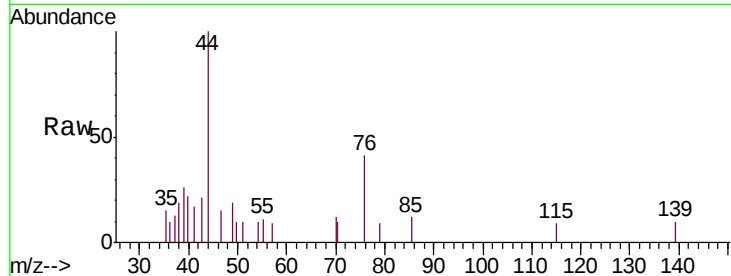




#17
Carbon Disulfide
Concen: 1.795 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012414.D
Acq: 16 Sep 2019 18:42

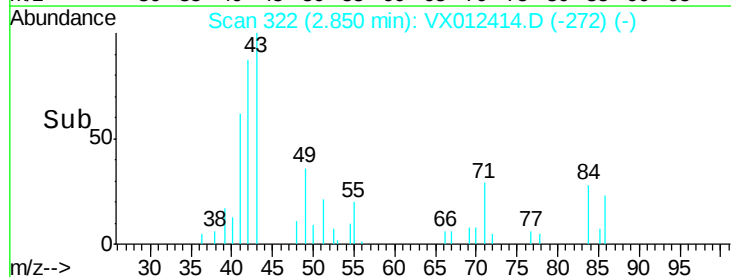
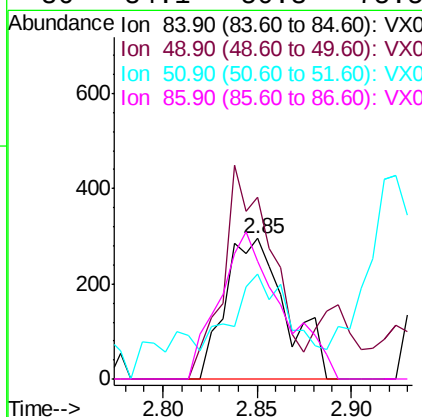
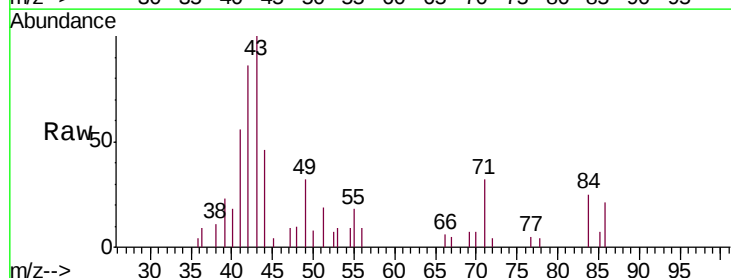
Instrument :
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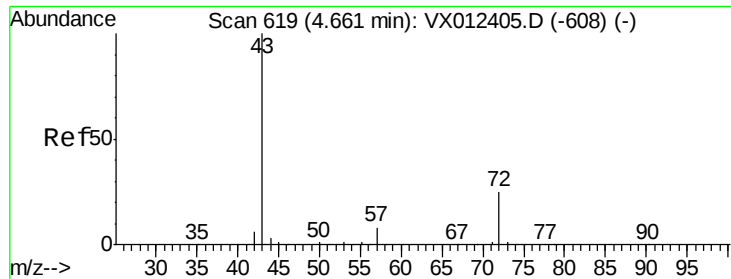
Tgt Ion: 76 Resp: 429
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#20
Methylene Chloride
Concen: 0.470 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012414.D
Acq: 16 Sep 2019 18:42

Tgt Ion: 84 Resp: 660
Ion Ratio Lower Upper
84 100
49 129.2 101.7 152.5
51 43.7 31.2 46.8
86 84.1 50.3 75.5#





#25

2-Butanone

Concen: 0.973 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX012414.D

Acq: 16 Sep 2019 18:42

Instrument :

MSVOA_X

ClientSampled :

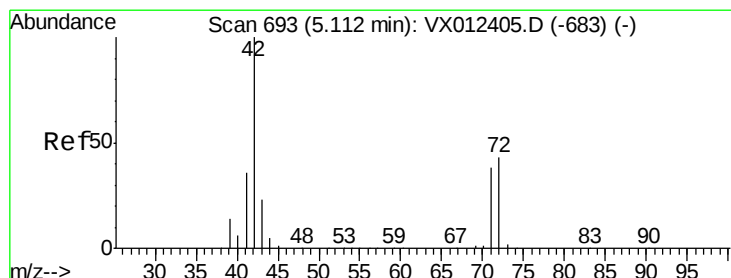
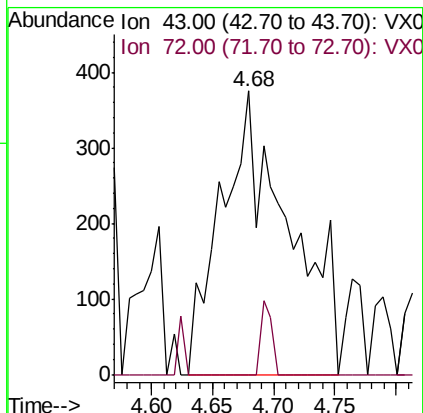
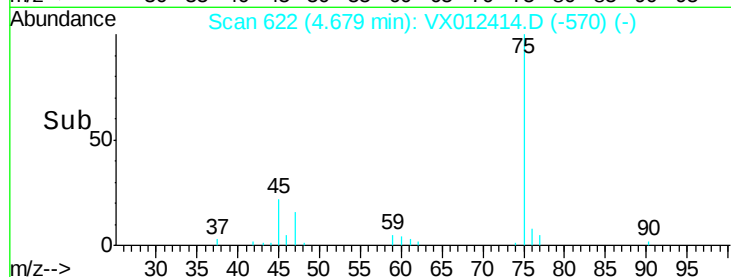
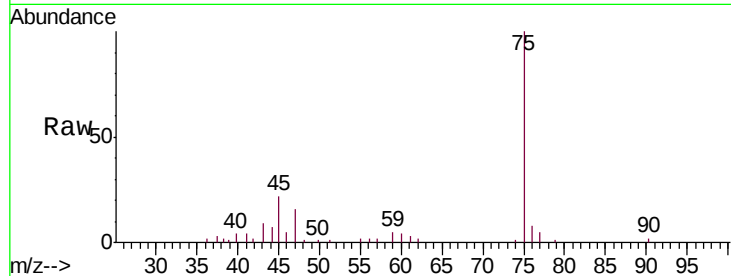
S13-0276

Tgt Ion: 43 Resp: 1427

Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.6#



#29

Tetrahydrofuran

Concen: 0.286 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX012414.D

Acq: 16 Sep 2019 18:42

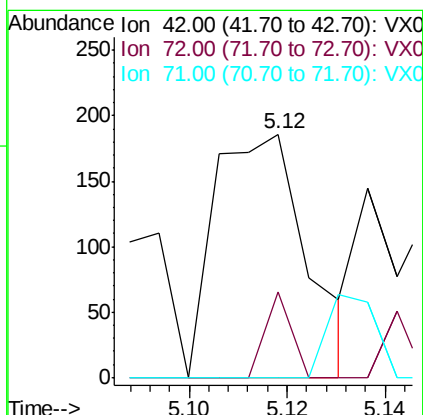
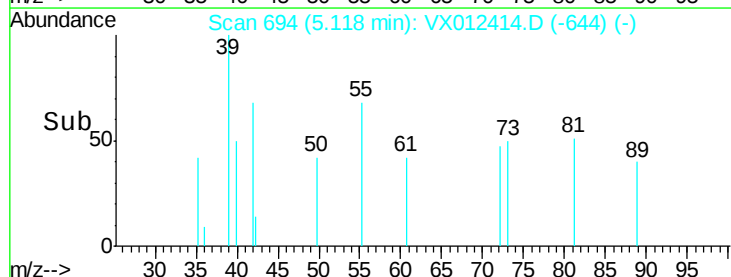
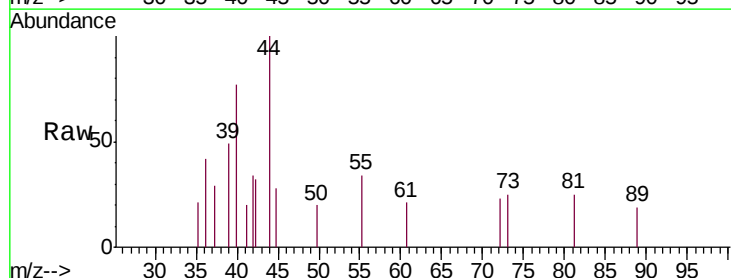
Tgt Ion: 42 Resp: 243

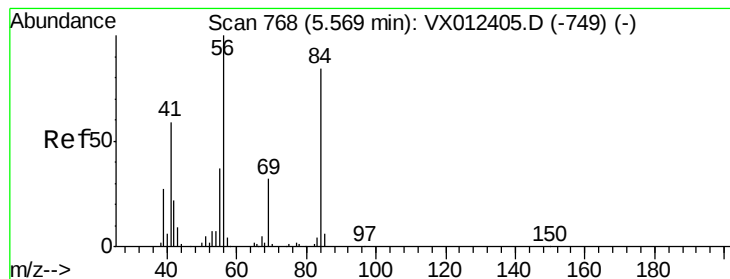
Ion Ratio Lower Upper

42 100

72 9.9 34.9 52.3#

71 0.0 32.6 48.8#





#31

Cyclohexane

Concen: 9.684 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012414.D

Acq: 16 Sep 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

S13-0276

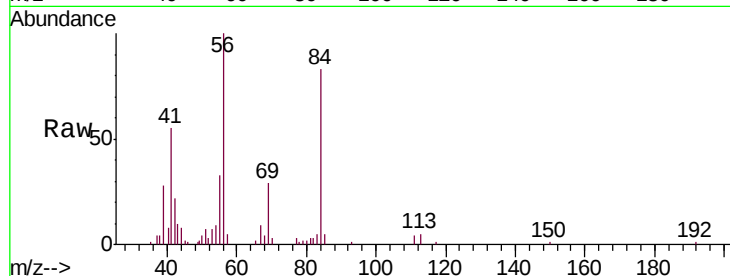
Tgt Ion: 56 Resp: 15248

Ion Ratio Lower Upper

56 100

69 28.6 24.9 37.3

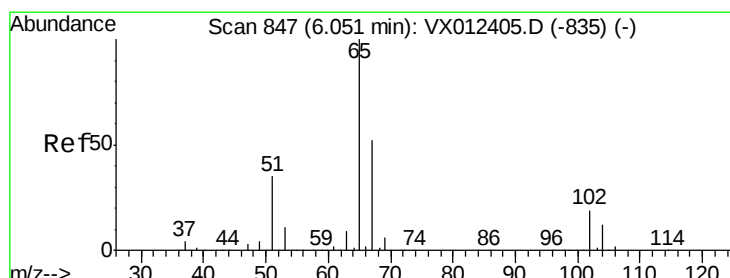
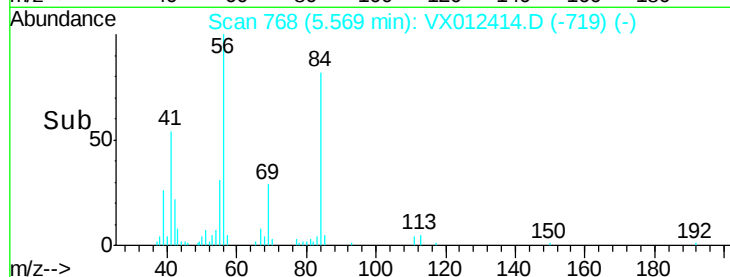
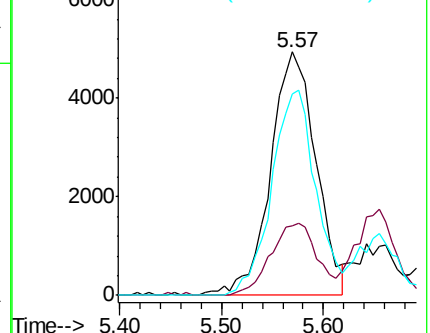
84 82.8 67.2 100.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 53.605 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012414.D

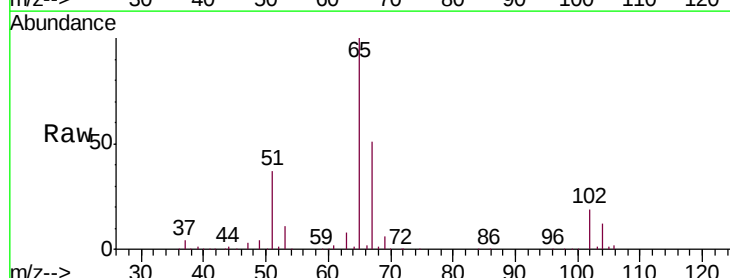
Acq: 16 Sep 2019 18:42

Tgt Ion: 65 Resp: 122860

Ion Ratio Lower Upper

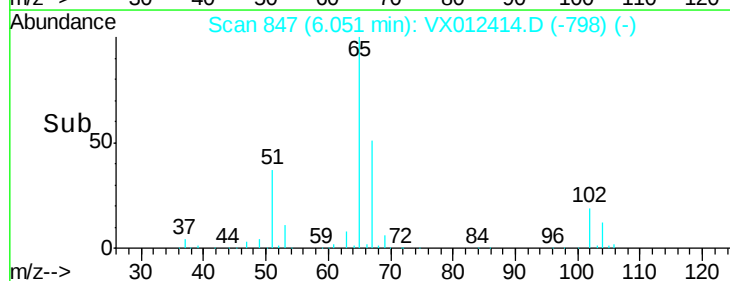
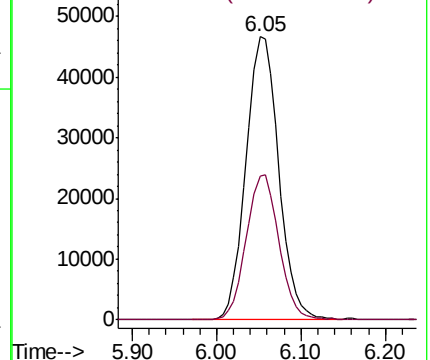
65 100

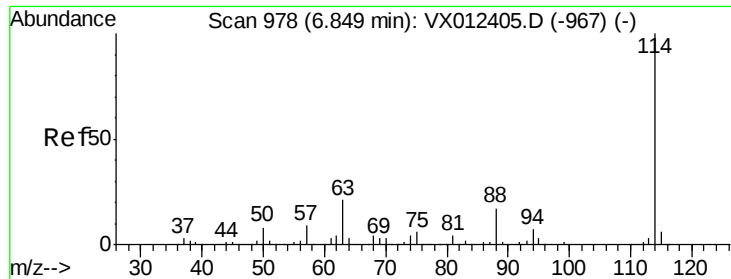
67 51.4 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

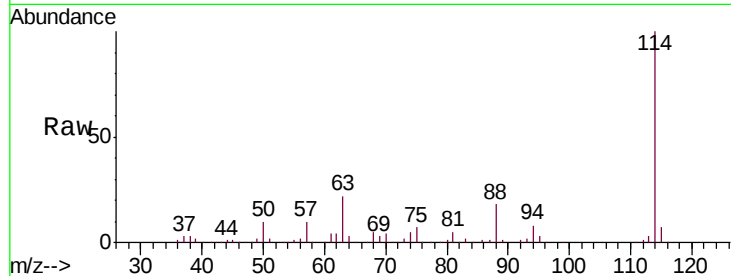




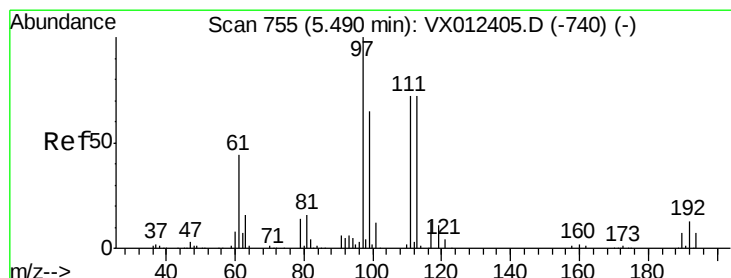
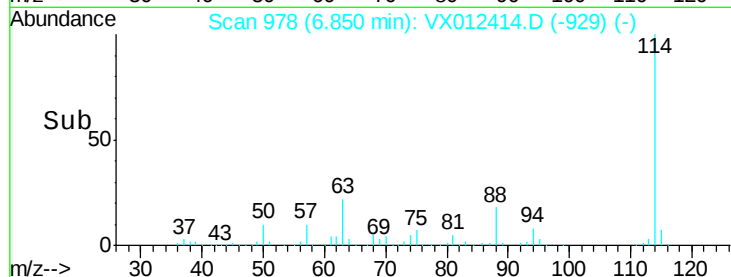
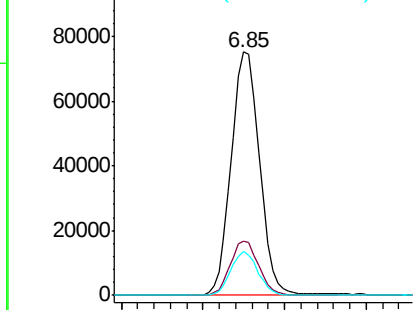
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012414.D
 Acq: 16 Sep 2019 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0276

Tgt Ion:114 Resp: 181559
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 42.4
 88 18.0 0.0 33.4

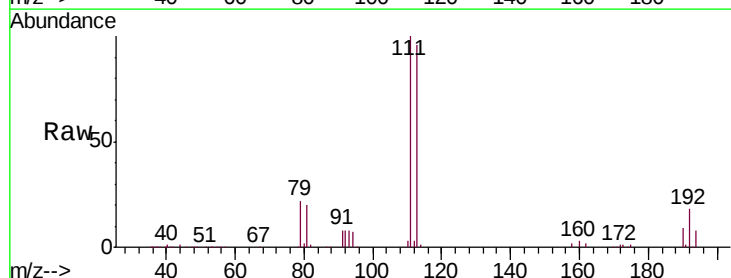


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

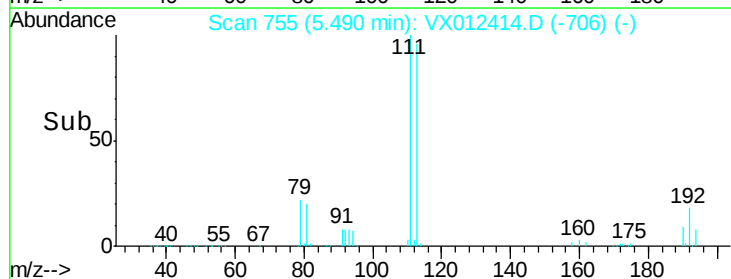
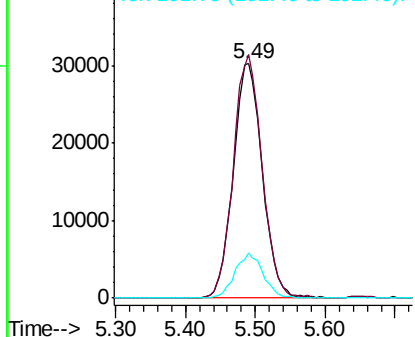


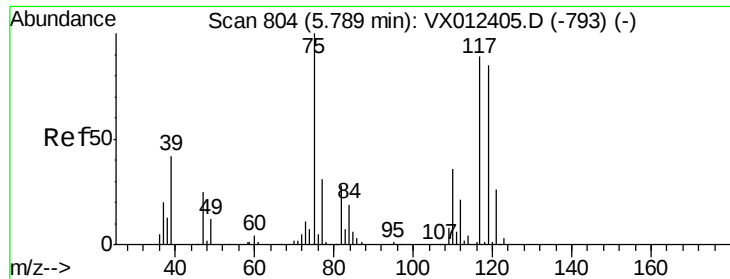
#35
 Dibromofluoromethane
 Concen: 49.774 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012414.D
 Acq: 16 Sep 2019 18:42

Tgt Ion:113 Resp: 87539
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.8 122.6
 192 18.6 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

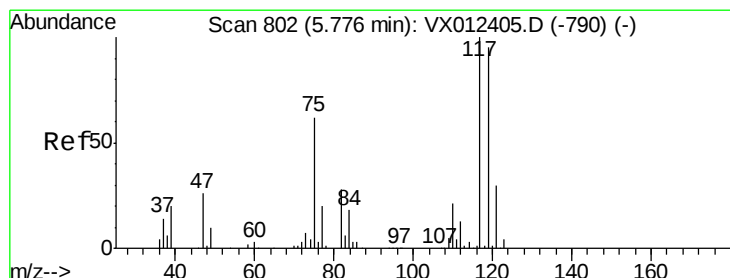
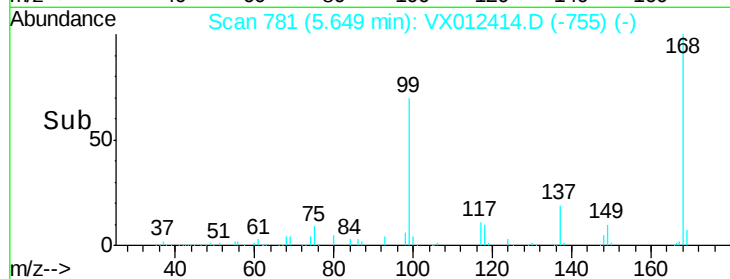
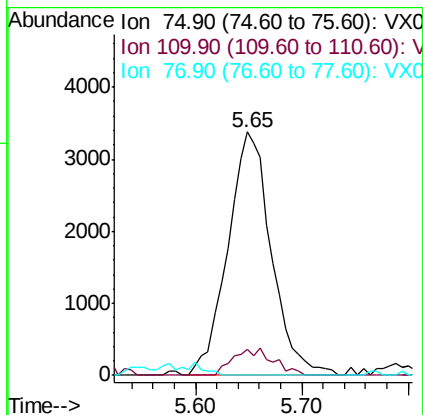
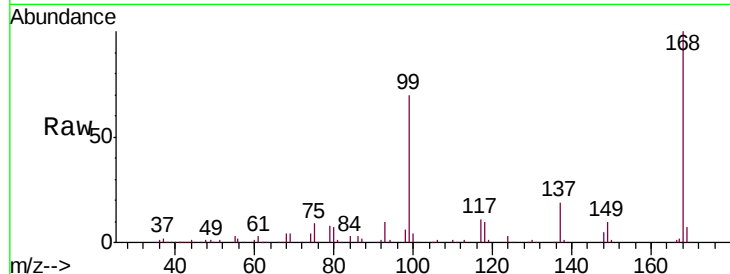




#36
 1,1-Dichloropropene
 Concen: 5.755 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012414.D
 Acq: 16 Sep 2019 18:42

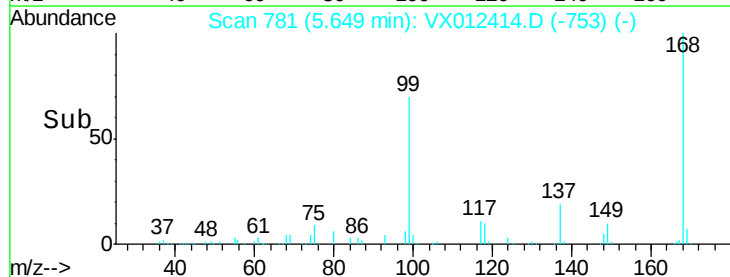
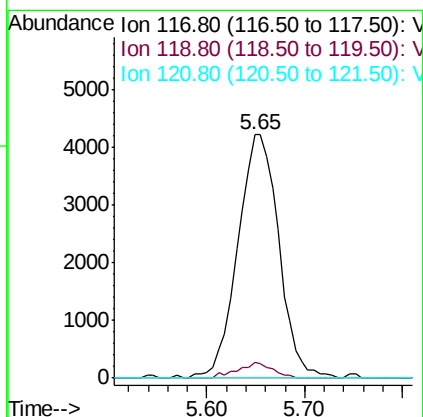
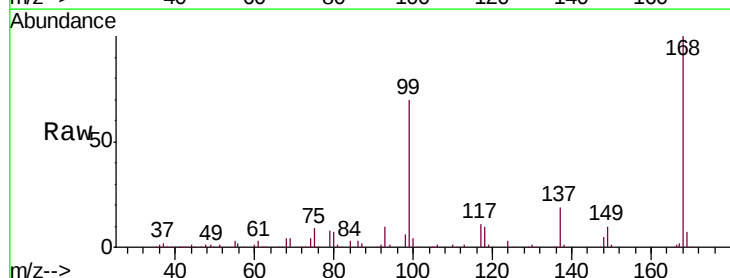
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0276

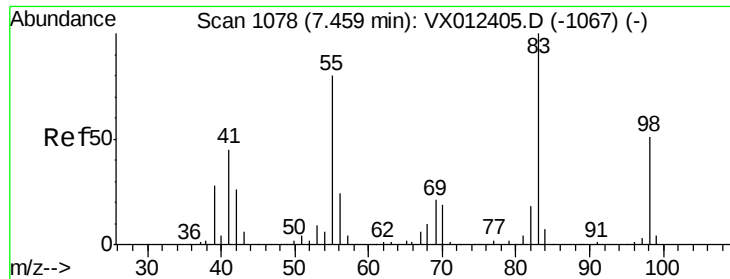
Tgt Ion: 75 Resp: 9656
 Ion Ratio Lower Upper
 75 100
 110 10.2 17.4 52.2#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.013 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012414.D
 Acq: 16 Sep 2019 18:42

Tgt Ion: 117 Resp: 12312
 Ion Ratio Lower Upper
 117 100
 119 6.3 75.8 113.8#
 121 0.0 23.8 35.6#

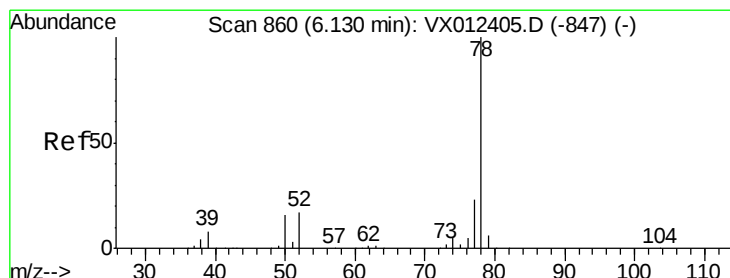
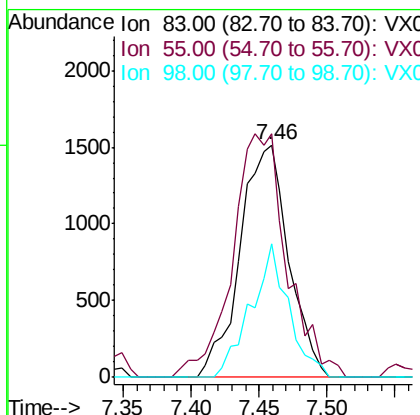
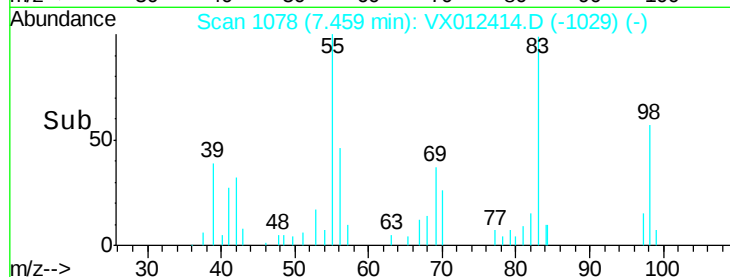
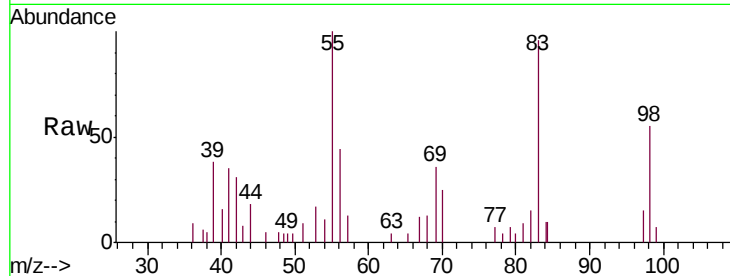




#39
Methylcyclohexane
Concen: 2.354 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012414.D
Acq: 16 Sep 2019 18:42

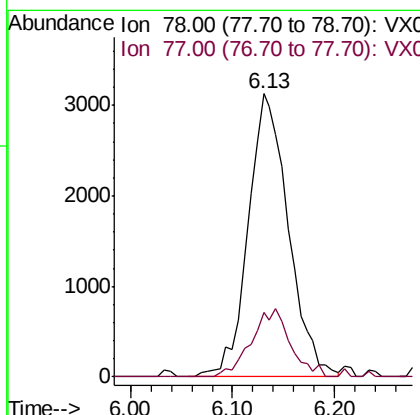
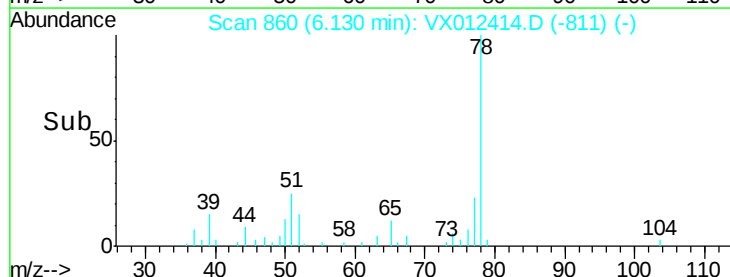
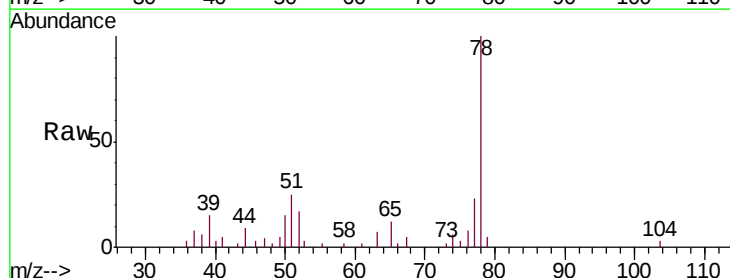
Instrument :
MSVOA_X
ClientSampleId :
S13-0276

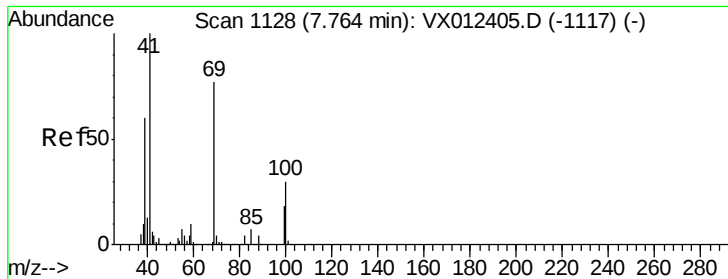
Tgt Ion: 83 Resp: 3793
Ion Ratio Lower Upper
83 100
55 99.4 63.8 95.6#
98 57.5 40.6 61.0



#40
Benzene
Concen: 1.657 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012414.D
Acq: 16 Sep 2019 18:42

Tgt Ion: 78 Resp: 8564
Ion Ratio Lower Upper
78 100
77 22.6 18.2 27.2

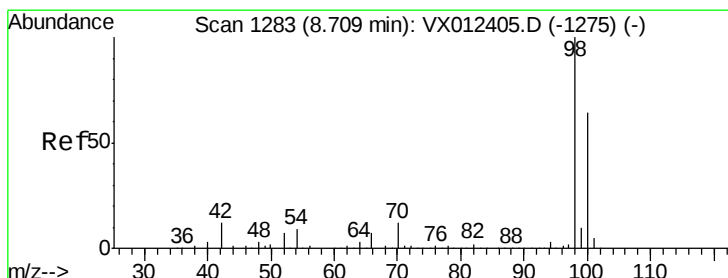
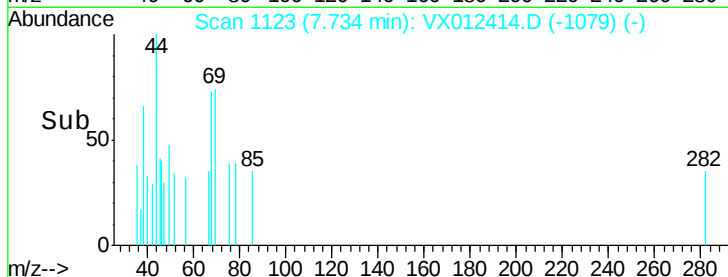
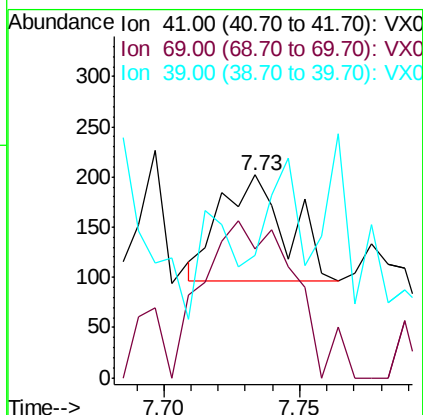
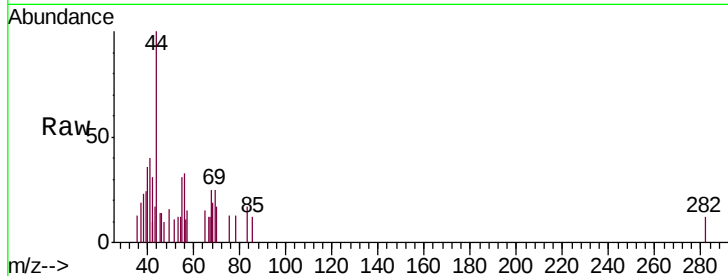




#48
Methyl methacrylate
Concen: 1.528 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.03 min
Lab File: VX012414.D
Acq: 16 Sep 2019 18:42

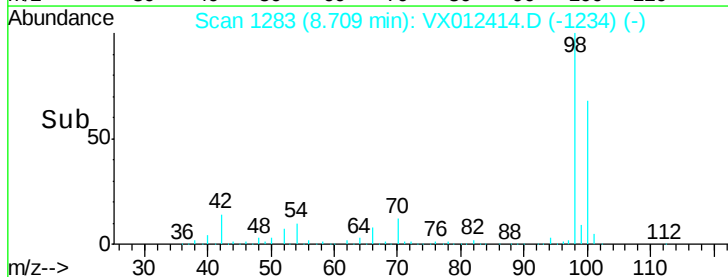
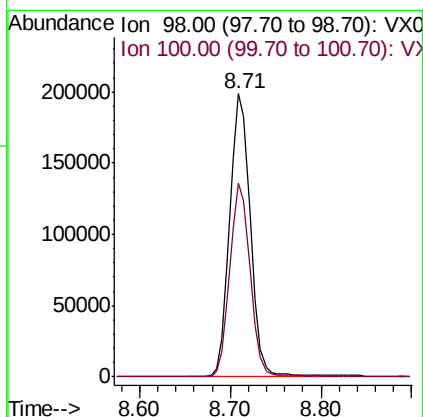
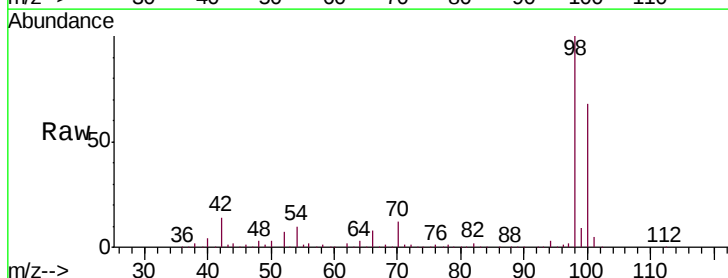
Instrument :
MSVOA_X
ClientSampleId :
S13-0276

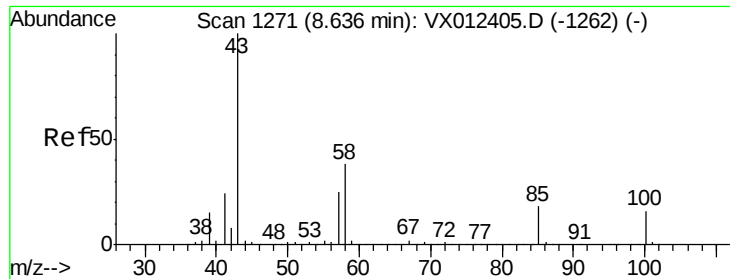
Tgt Ion: 41 Resp: 177
Ion Ratio Lower Upper
41 100
69 205.6 61.6 92.4#
39 53.1 47.6 71.4



#50
Toluene-d8
Concen: 50.636 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012414.D
Acq: 16 Sep 2019 18:42

Tgt Ion: 98 Resp: 316020
Ion Ratio Lower Upper
98 100
100 67.6 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 0.229 ug/l

RT: 8.64 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VX012414.D

Acq: 16 Sep 2019 18:42

Instrument :

MSVOA_X

ClientSampled :

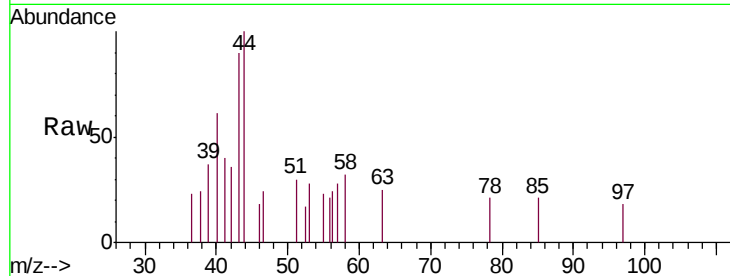
S13-0276

Tgt Ion: 43 Resp: 659

Ion Ratio Lower Upper

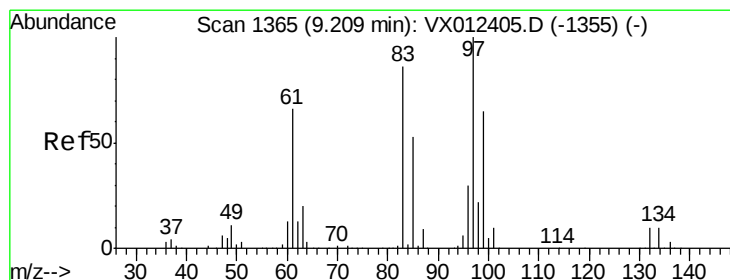
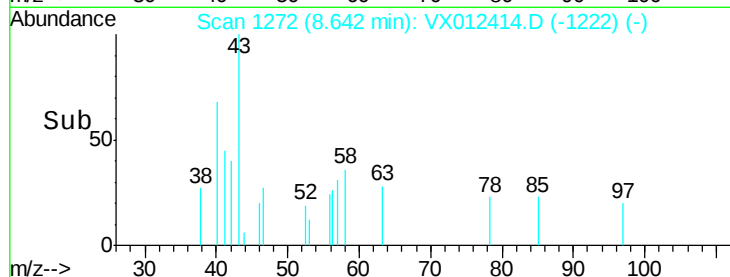
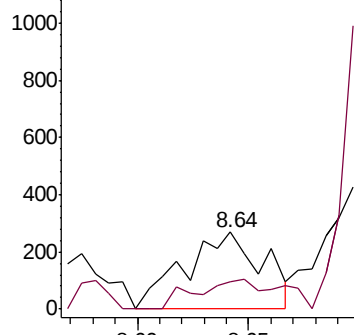
43 100

58 41.7 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#55

1,1,2-Trichloroethane

Concen: 1.338 ug/l

RT: 9.17 min Scan# 1358

Delta R.T. -0.04 min

Lab File: VX012414.D

Acq: 16 Sep 2019 18:42

Tgt Ion: 97 Resp: 2366

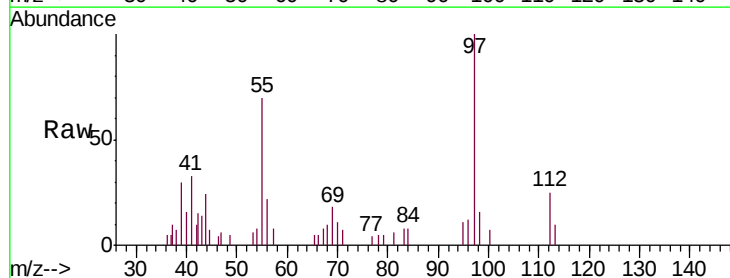
Ion Ratio Lower Upper

97 100

83 7.5 68.5 102.7#

85 0.0 42.6 64.0#

99 0.0 52.5 78.7#

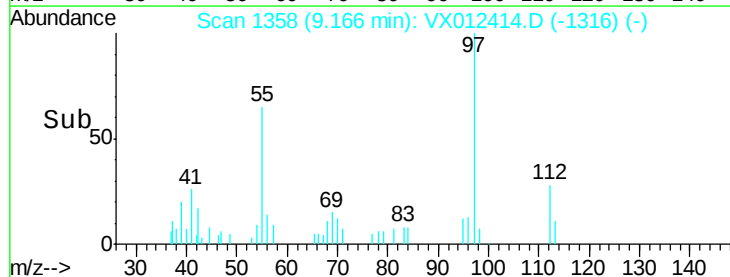
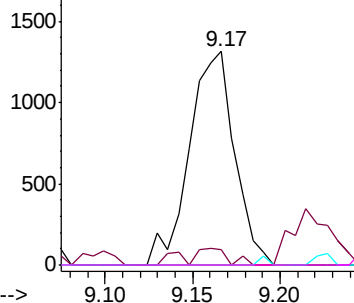


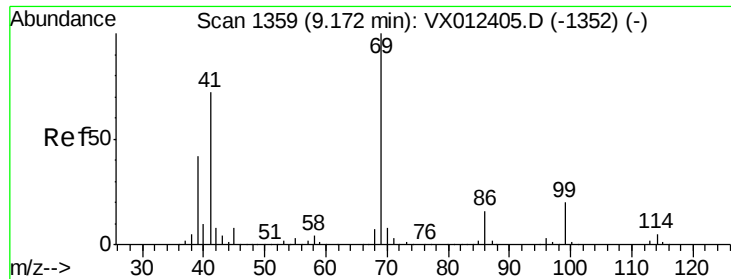
Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 0.234 ug/l

RT: 9.15 min Scan# 1356

Delta R.T. -0.02 min

Lab File: VX012414.D

Acq: 16 Sep 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

S13-0276

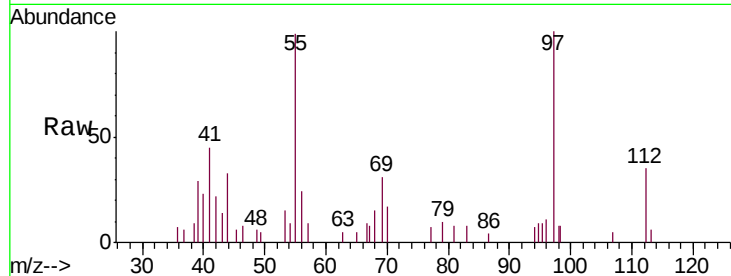
Tgt Ion: 69 Resp: 623

Ion Ratio Lower Upper

69 100

41 148.6 57.0 85.6#

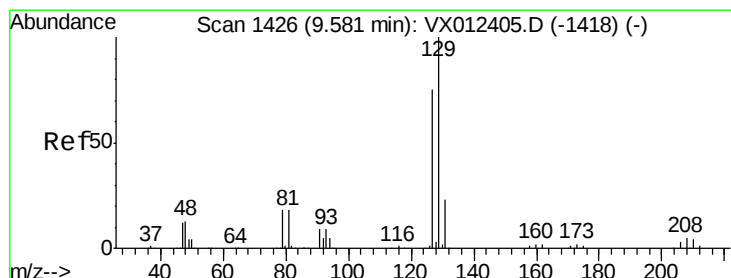
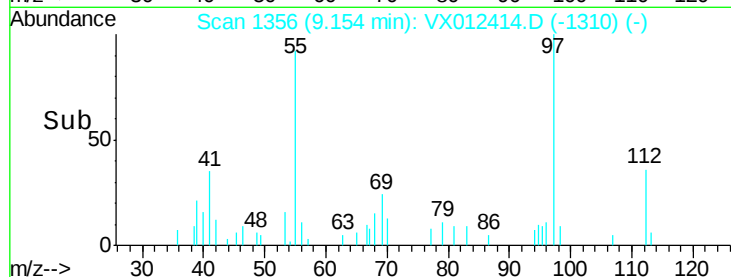
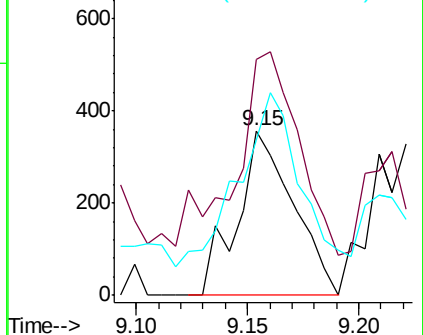
39 113.2 32.6 49.0#



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



#60

Dibromochloromethane

Concen: 1.810 ug/l

RT: 9.32 min Scan# 1384

Delta R.T. -0.26 min

Lab File: VX012414.D

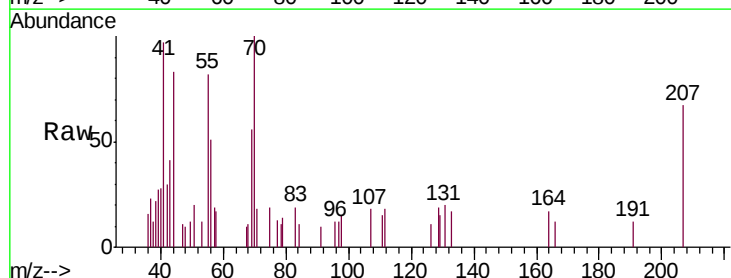
Acq: 16 Sep 2019 18:42

Tgt Ion: 129 Resp: 139

Ion Ratio Lower Upper

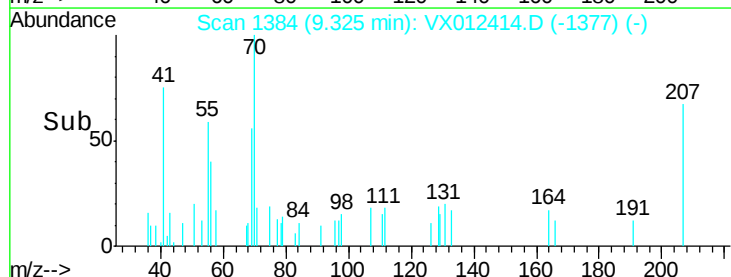
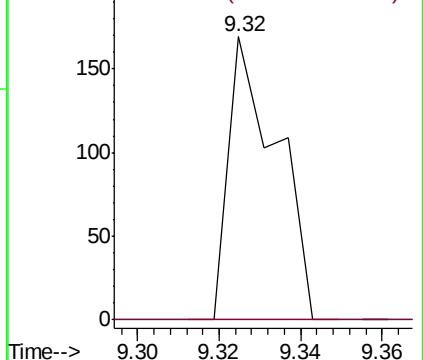
129 100

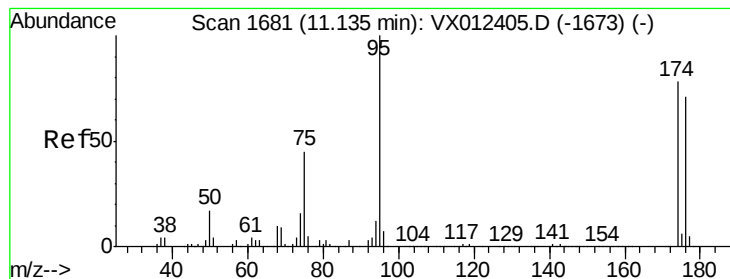
127 0.0 38.1 114.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 47.788 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012414.D

Acq: 16 Sep 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

S13-0276

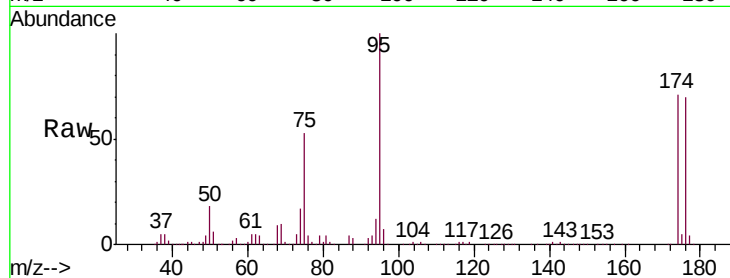
Tgt Ion: 95 Resp: 125477

Ion Ratio Lower Upper

95 100

174 68.7 0.0 146.0

176 66.5 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

120000

100000

80000

60000

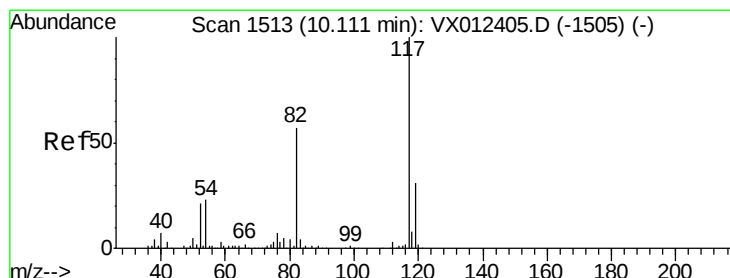
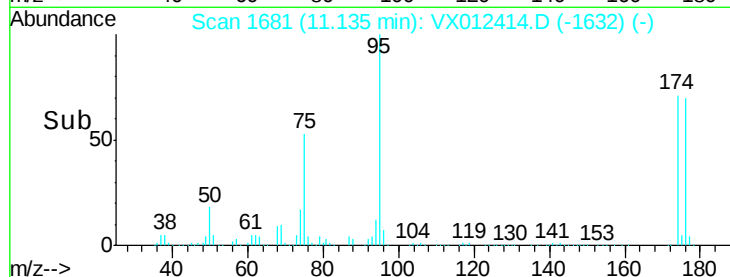
40000

20000

0

11.05 11.10 11.15

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012414.D

Acq: 16 Sep 2019 18:42

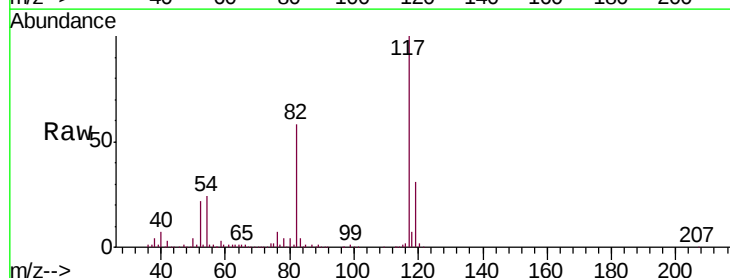
Tgt Ion: 117 Resp: 167336

Ion Ratio Lower Upper

117 100

82 58.1 45.8 68.6

119 31.0 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

150000

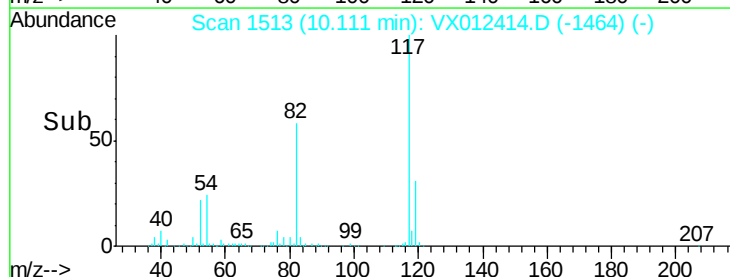
100000

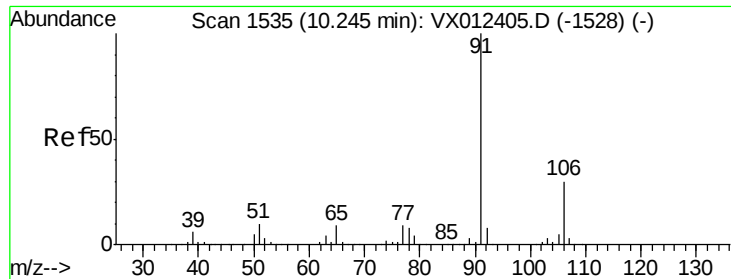
50000

0

10.00 10.10 10.20

Time-->

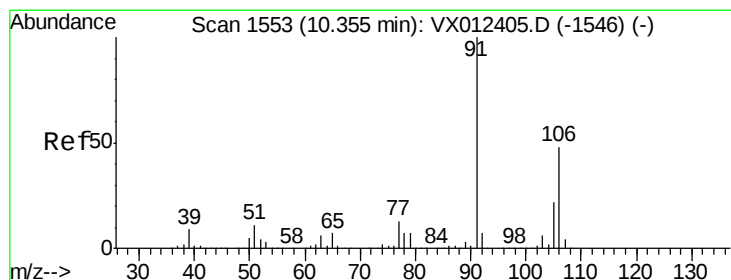
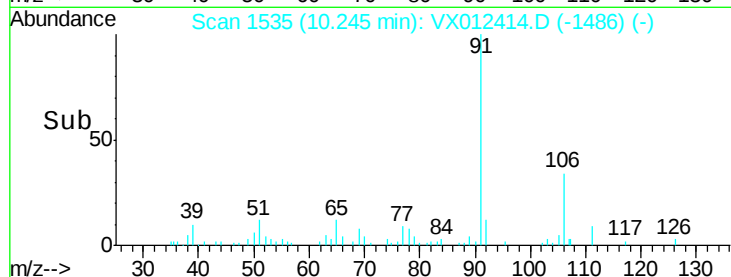
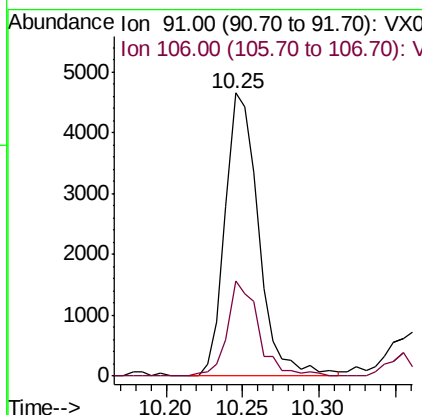
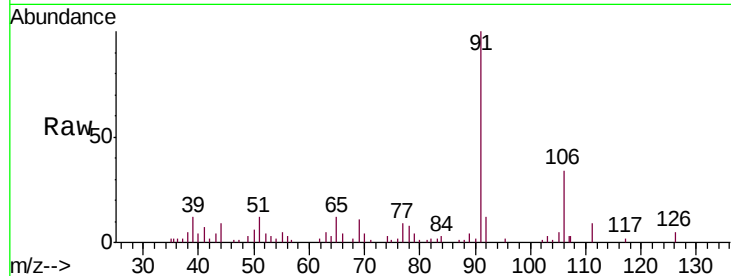




#67
Ethyl Benzene
Concen: 1.066 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012414.D
Acq: 16 Sep 2019 18:42

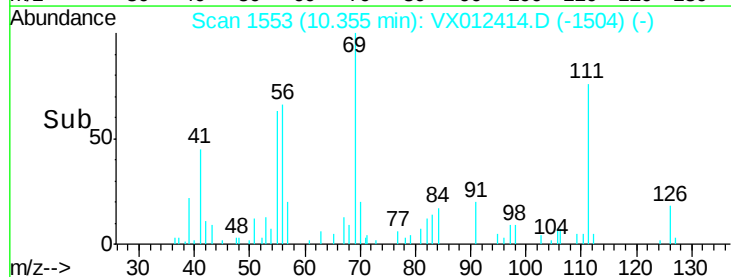
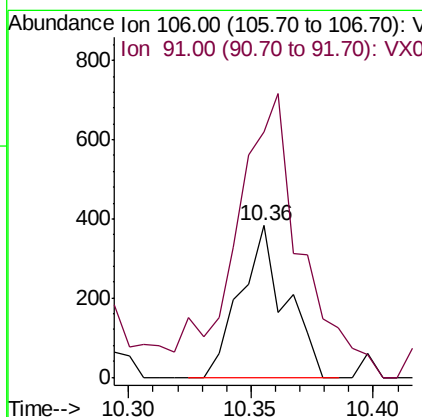
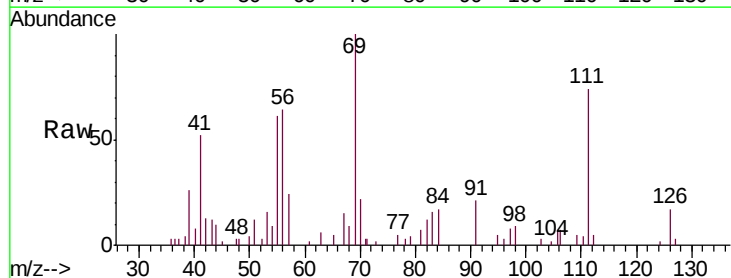
Instrument :
MSVOA_X
ClientSampled :
S13-0276

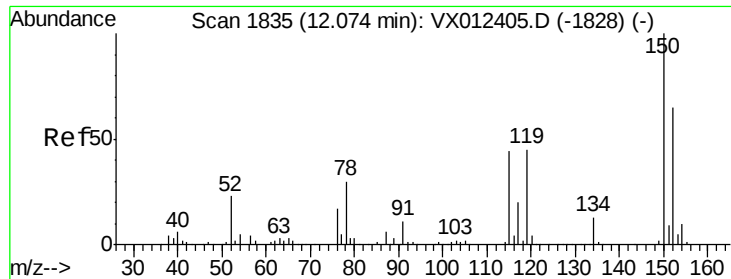
Tgt Ion: 91 Resp: 7106
Ion Ratio Lower Upper
91 100
106 33.5 24.0 36.0



#68
m/p-Xylenes
Concen: 0.202 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012414.D
Acq: 16 Sep 2019 18:42

Tgt Ion: 106 Resp: 498
Ion Ratio Lower Upper
106 100
91 267.9 167.4 251.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012414.D

Acq: 16 Sep 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

S13-0276

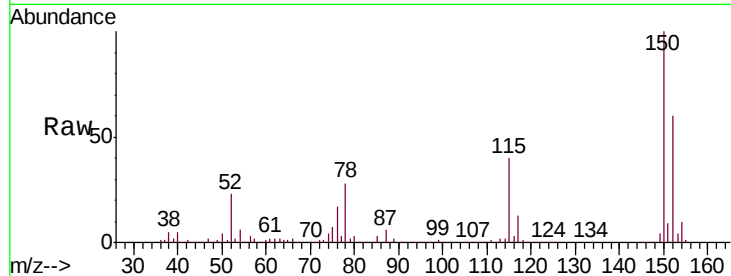
Tgt Ion:152 Resp: 94072

Ion Ratio Lower Upper

152 100

115 65.9 45.3 135.9

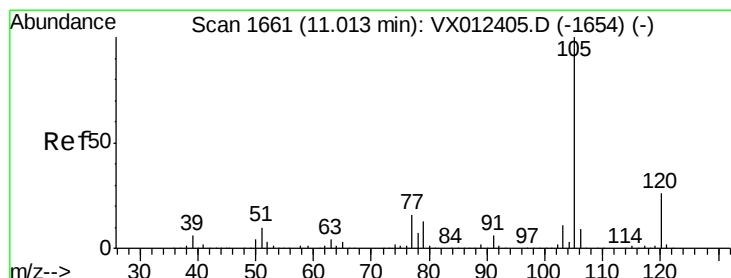
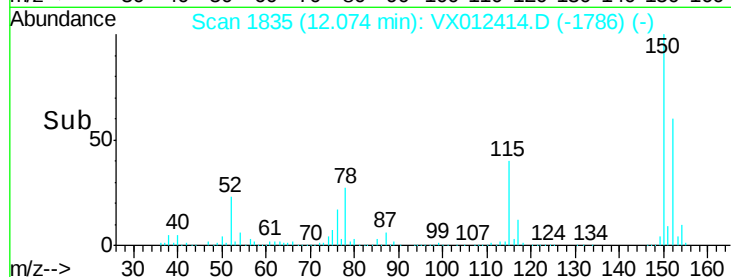
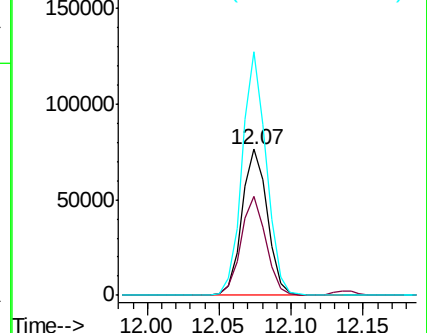
150 158.1 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 6.434 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012414.D

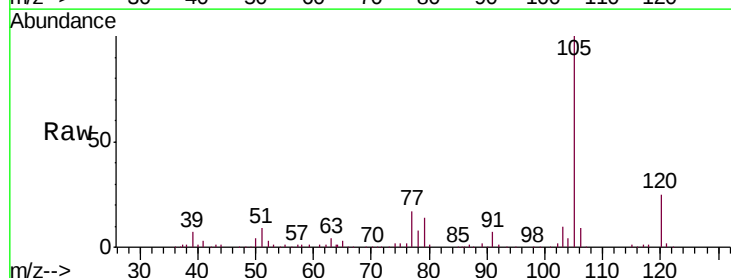
Acq: 16 Sep 2019 18:42

Tgt Ion:105 Resp: 42048

Ion Ratio Lower Upper

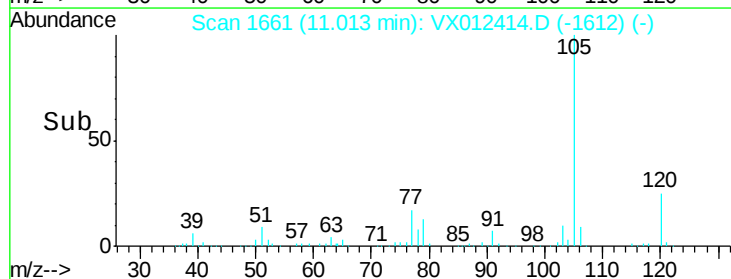
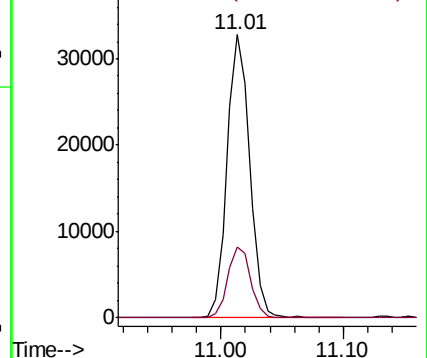
105 100

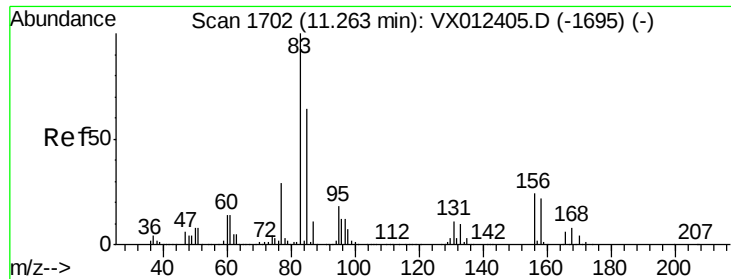
120 25.2 13.2 39.6



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: 0.378 ug/l

RT: 11.28 min Scan# 1704

Delta R.T. 0.01 min

Lab File: VX012414.D

Acq: 16 Sep 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

S13-0276

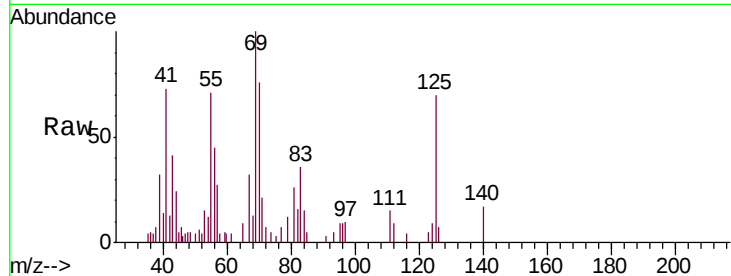
Tgt Ion: 83 Resp: 991

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

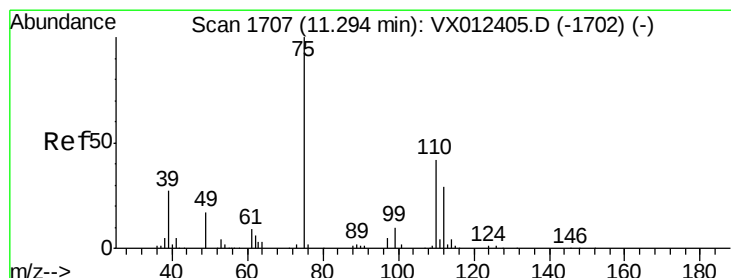
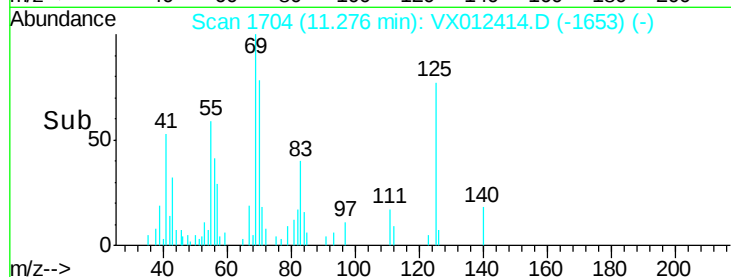
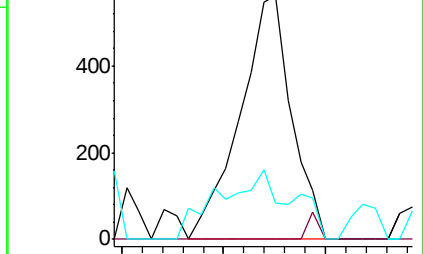
85 40.2 32.9 98.7



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: 26.866 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012414.D

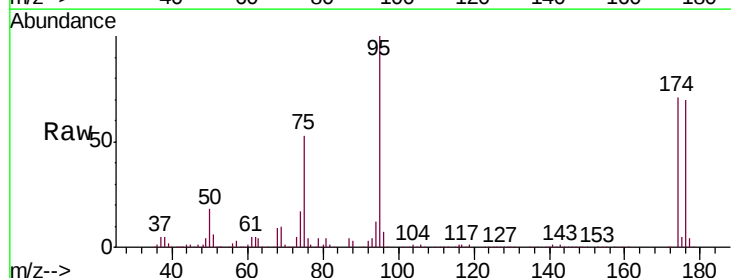
Acq: 16 Sep 2019 18:42

Tgt Ion: 75 Resp: 65333

Ion Ratio Lower Upper

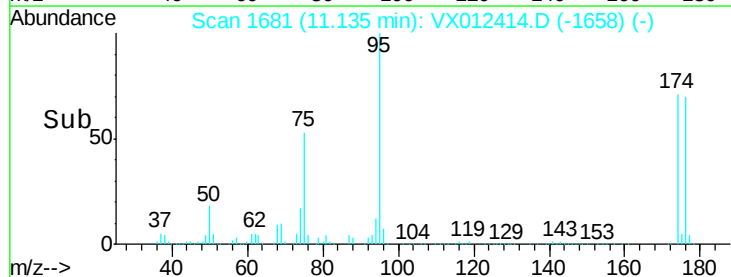
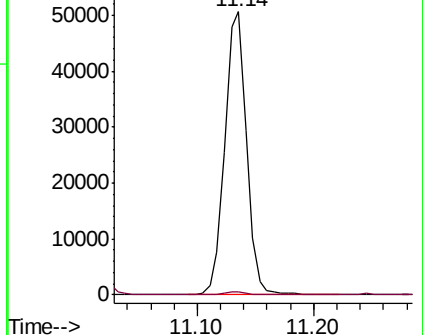
75 100

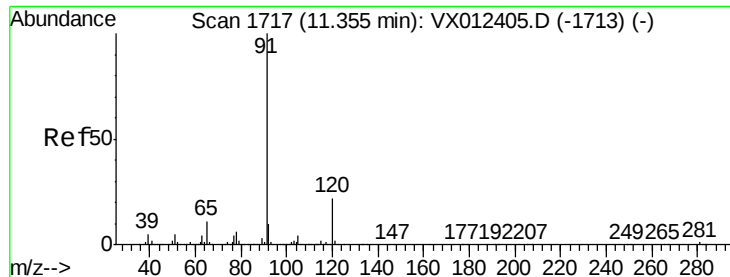
77 1.5 19.4 58.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 5.078 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012414.D

Acq: 16 Sep 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

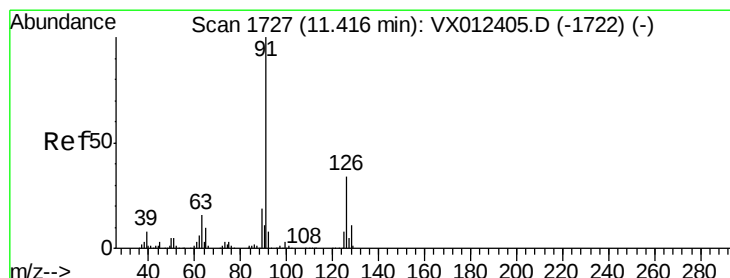
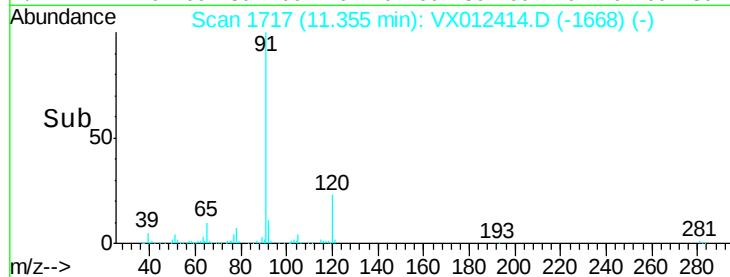
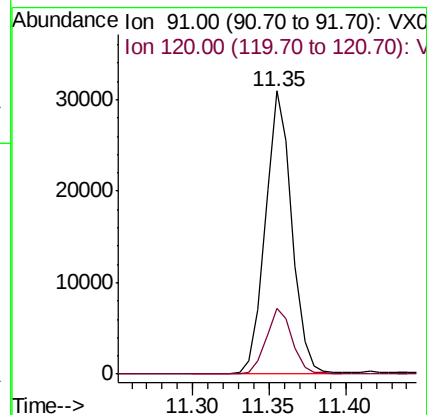
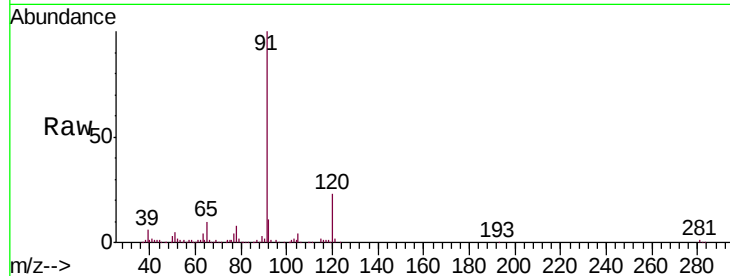
S13-0276

Tgt Ion: 91 Resp: 37505

Ion Ratio Lower Upper

91 100

120 23.0 11.5 34.4



#79

2-Chlorotoluene

Concen: 7.910 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.06 min

Lab File: VX012414.D

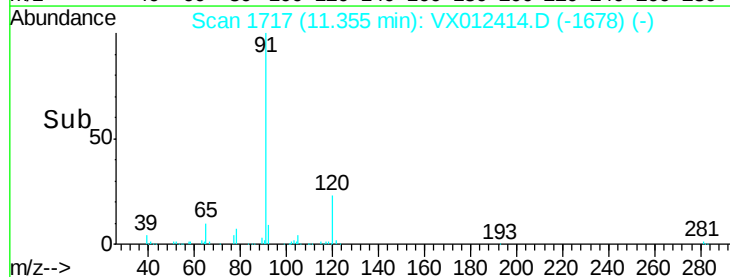
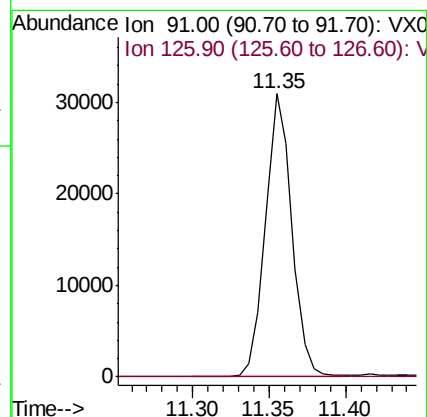
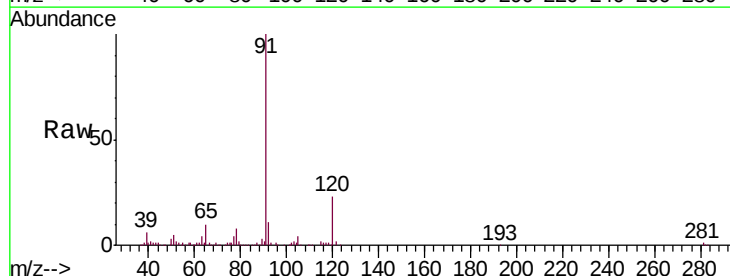
Acq: 16 Sep 2019 18:42

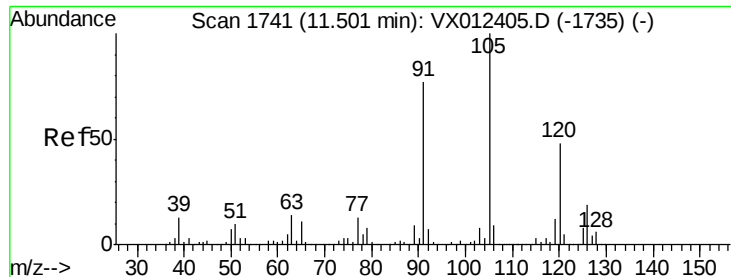
Tgt Ion: 91 Resp: 37505

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.280 ug/l

RT: 11.67 min Scan# 1768

Delta R.T. 0.16 min

Lab File: VX012414.D

Acq: 16 Sep 2019 18:42

Instrument :

MSVOA_X

ClientSampled :

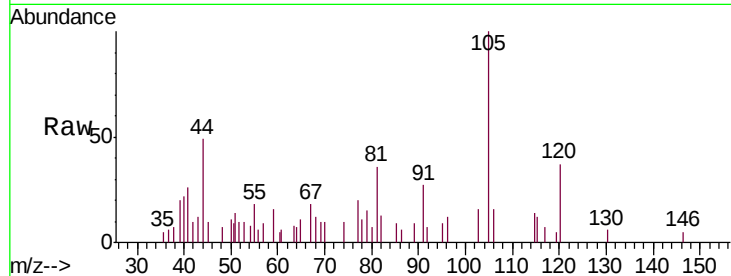
S13-0276

Tgt Ion:105 Resp: 1595

Ion Ratio Lower Upper

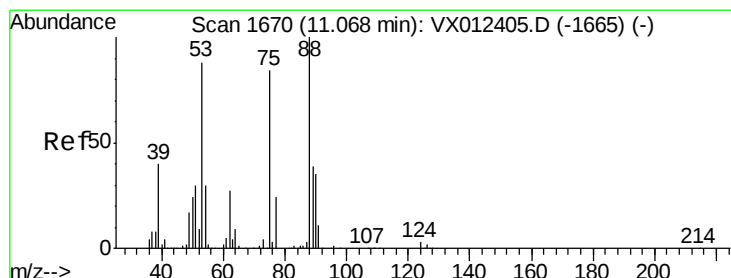
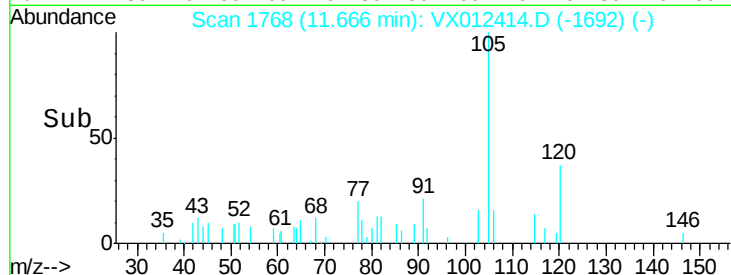
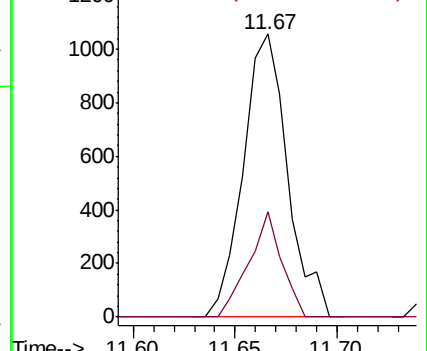
105 100

120 27.4 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 75.842 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012414.D

Acq: 16 Sep 2019 18:42

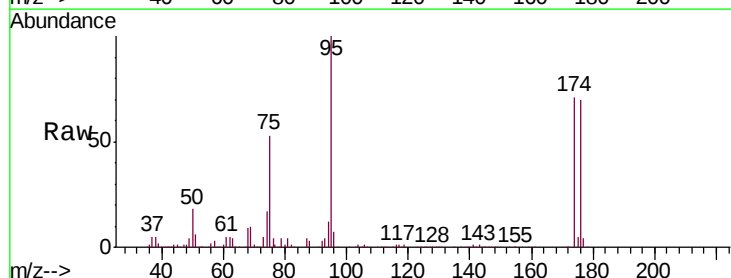
Tgt Ion: 75 Resp: 65333

Ion Ratio Lower Upper

75 100

53 0.5 84.6 127.0#

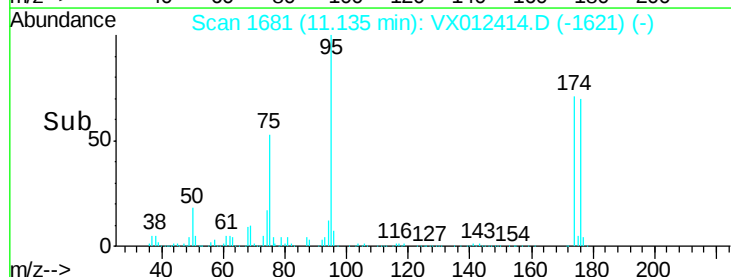
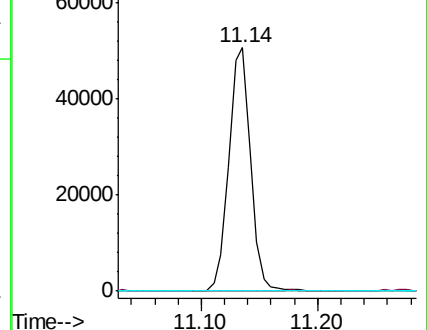
89 0.1 38.8 58.2#

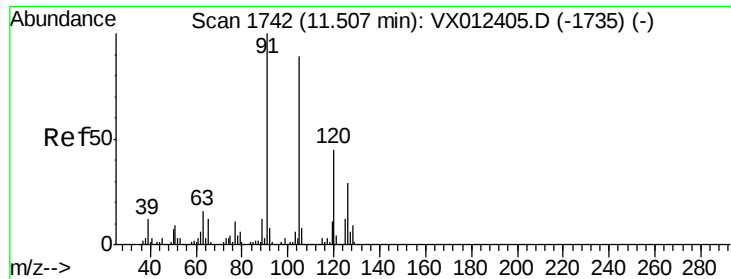


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#82

4-Chlorotoluene

Concen: 6.783 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.15 min

Lab File: VX012414.D

Acq: 16 Sep 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

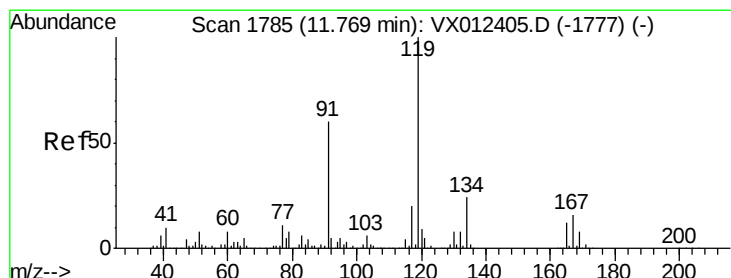
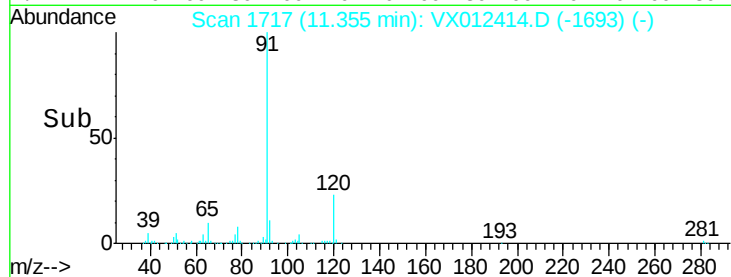
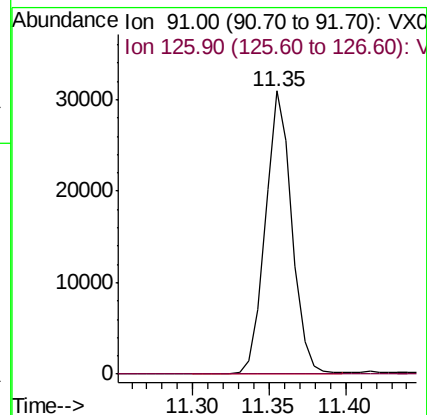
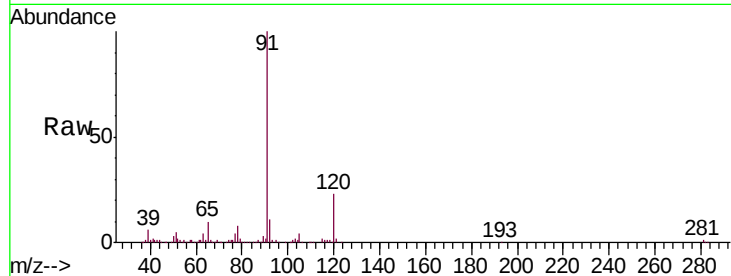
S13-0276

Tgt Ion: 91 Resp: 37505

Ion Ratio Lower Upper

91 100

126 0.0 14.1 42.3#



#83

tert-Butylbenzene

Concen: 0.571 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX012414.D

Acq: 16 Sep 2019 18:42

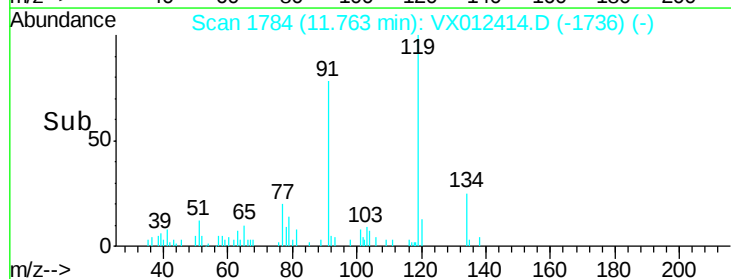
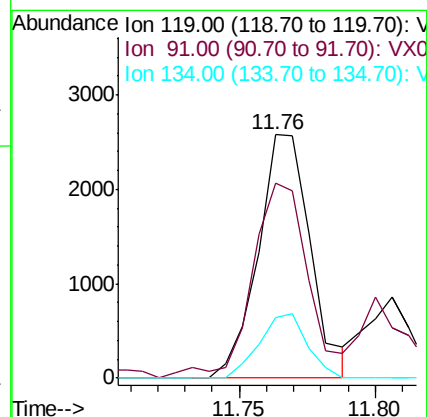
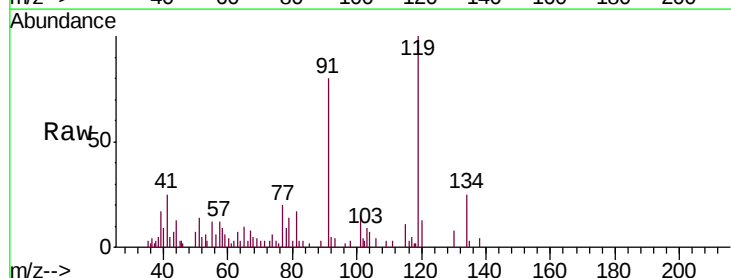
Tgt Ion: 119 Resp: 3449

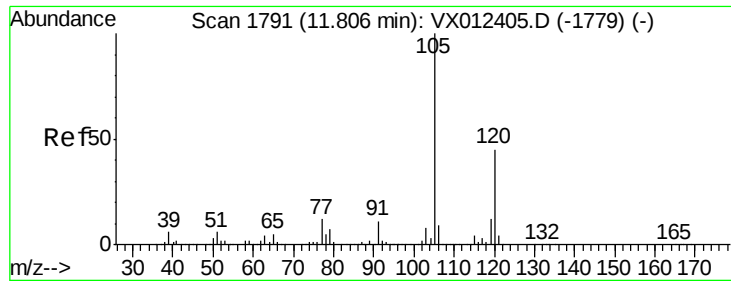
Ion Ratio Lower Upper

119 100

91 85.4 29.6 88.8

134 24.0 11.4 34.1

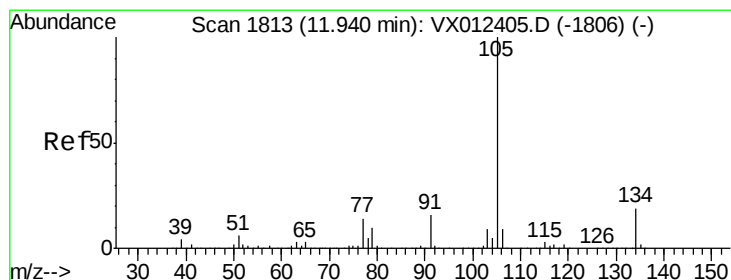
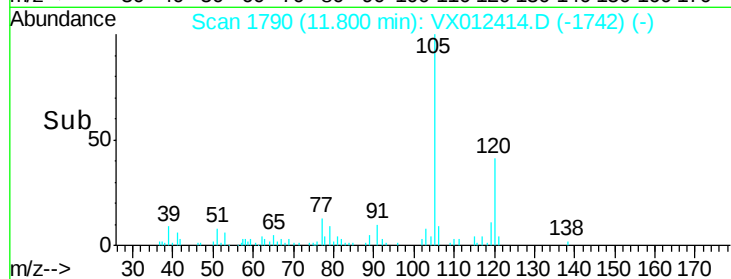
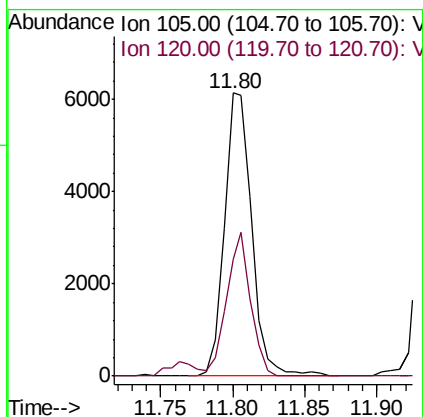
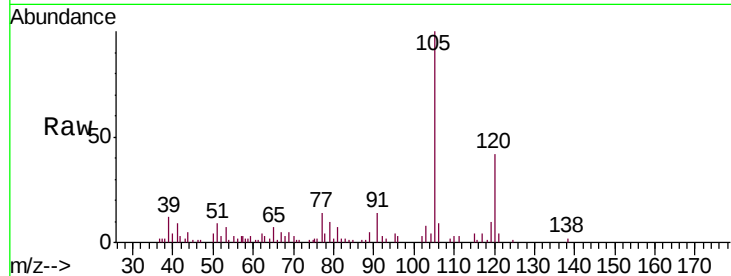




#84
 1,2,4-Trimethylbenzene
 Concen: 1.422 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012414.D
 Acq: 16 Sep 2019 18:42

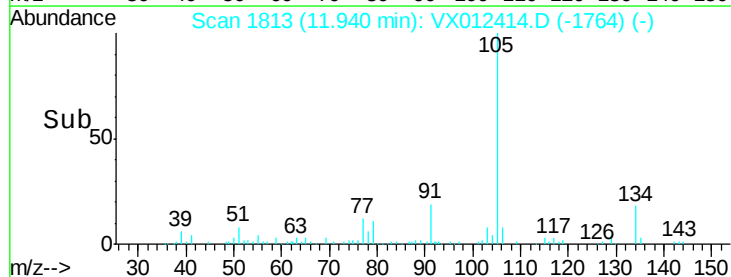
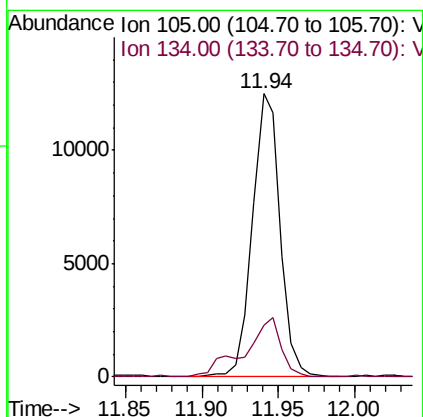
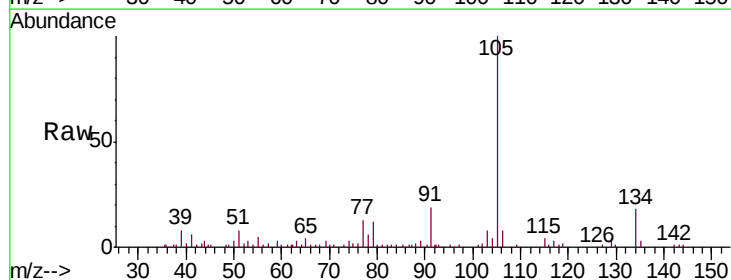
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0276

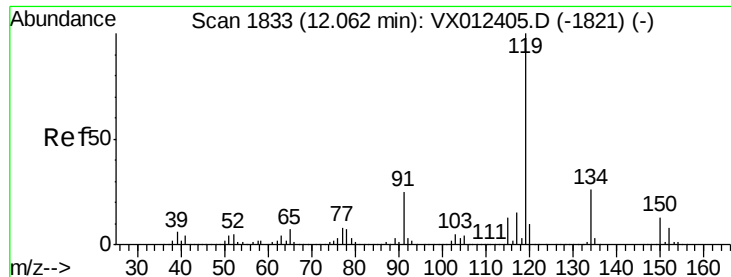
Tgt Ion:105 Resp: 8213
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.1 66.5



#85
 sec-Butylbenzene
 Concen: 2.356 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012414.D
 Acq: 16 Sep 2019 18:42

Tgt Ion:105 Resp: 15726
 Ion Ratio Lower Upper
 105 100
 134 27.5 10.1 30.1

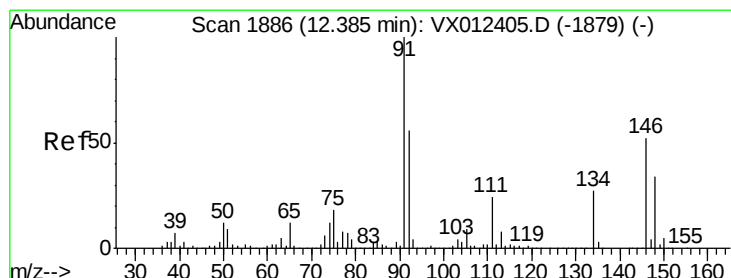
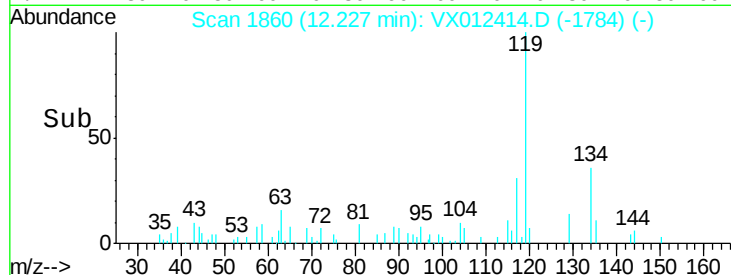
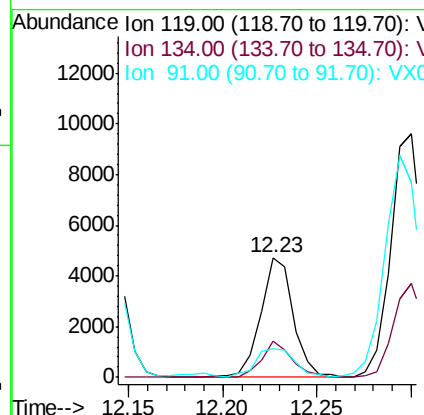
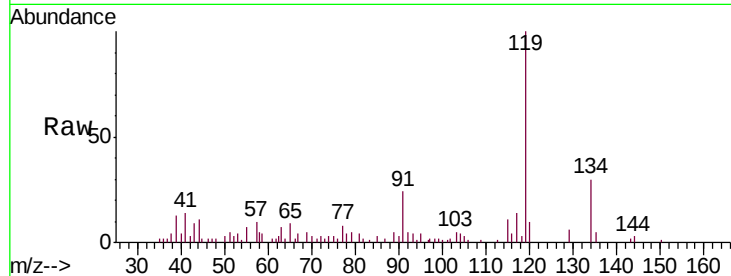




#86
p-Isopropyltoluene
Concen: 0.926 ug/l
RT: 12.23 min Scan# 1860
Delta R.T. 0.16 min
Lab File: VX012414.D
Acq: 16 Sep 2019 18:42

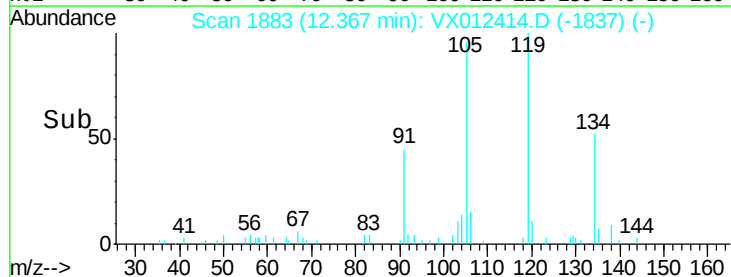
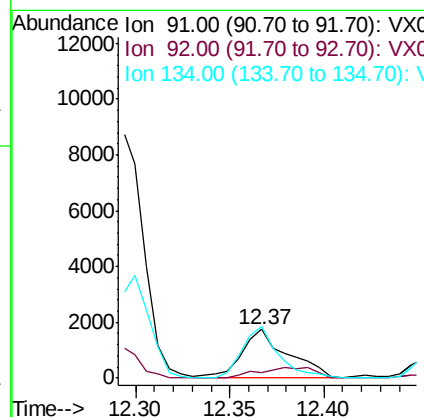
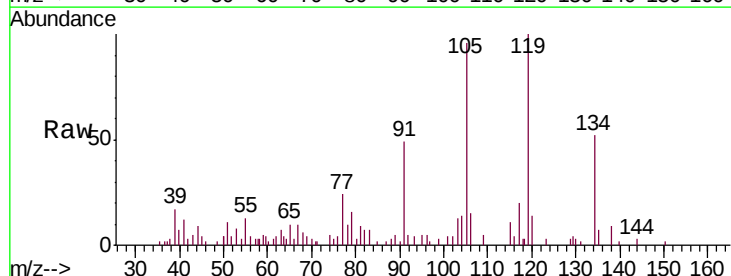
Instrument :
MSVOA_X
ClientSampled :
S13-0276

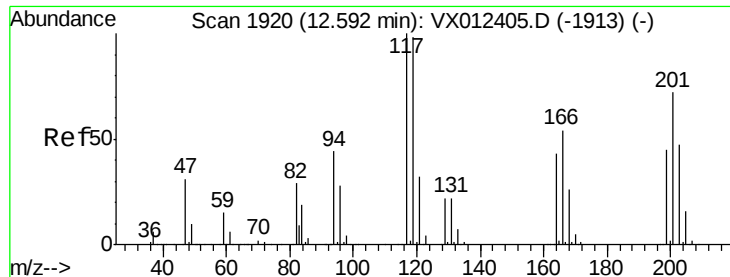
Tgt Ion: 119 Resp: 5664
Ion Ratio Lower Upper
119 100
134 27.6 12.9 38.6
91 29.0 12.9 38.6



#89
n-Butylbenzene
Concen: 0.546 ug/l
RT: 12.37 min Scan# 1883
Delta R.T. -0.02 min
Lab File: VX012414.D
Acq: 16 Sep 2019 18:42

Tgt Ion: 91 Resp: 2946
Ion Ratio Lower Upper
91 100
92 0.0 27.5 82.4#
134 83.5 13.2 39.6#





#90

Hexachloroethane

Concen: 8.660 ug/l

RT: 12.70 min Scan# 1937

Delta R.T. 0.10 min

Lab File: VX012414.D

Acq: 16 Sep 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

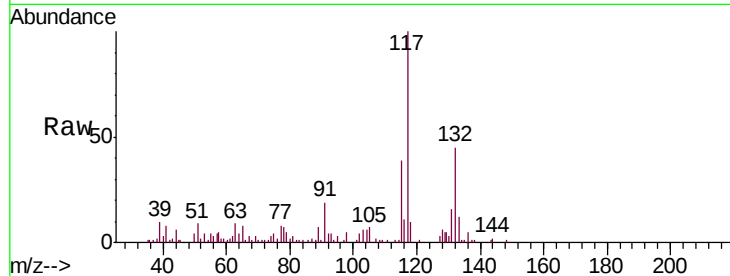
S13-0276

Tgt Ion:117 Resp: 10237

Ion Ratio Lower Upper

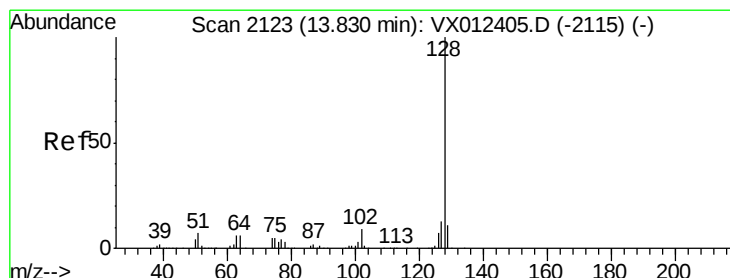
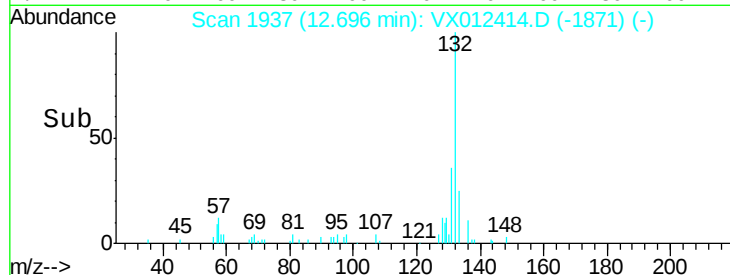
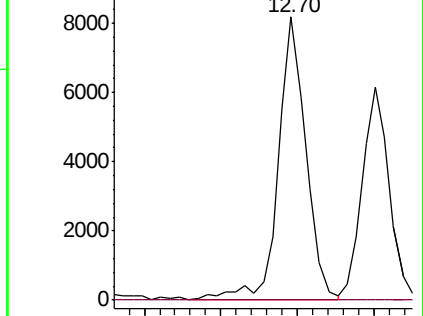
117 100

201 0.0 35.2 105.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 9.222 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012414.D

Acq: 16 Sep 2019 18:42

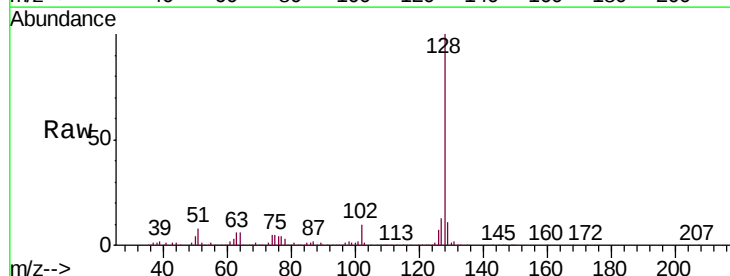
Tgt Ion:128 Resp: 71148

Ion Ratio Lower Upper

128 100

127 14.1 10.2 15.4

129 12.9 8.6 13.0



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

