

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012506.D
 Acq On : 19 Sep 2019 04:38
 Operator : JC/SP
 Sample : K4830-12DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282DL

Quant Time: Sep 19 06:10:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	174994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	280325	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	244849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	109952	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	118601	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
35) Dibromofluoromethane	5.49	113	83024	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
50) Toluene-d8	8.71	98	327337	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	11.13	95	126635	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.06	85	22	0.410	ug/l #	43
3) Chloromethane	1.33	50	481	0.500	ug/l #	43
5) Bromomethane	1.62	94	447	1.094	ug/l #	34
6) Chloroethane	1.70	64	419	0.515	ug/l #	85
8) Diethyl Ether	2.19	74	212	0.246	ug/l	65
10) Methyl Iodide	2.51	142	171	4.574	ug/l #	49
11) Tert butyl alcohol	3.00	59	18992	24.566	ug/l #	72
13) Acrolein	2.28	56	220	Below Cal	#	46
15) Acrylonitrile	3.15	53	432	0.397	ug/l #	17
16) Acetone	2.44	43	910	Below Cal	#	88
17) Carbon Disulfide	2.55	76	184	1.920	ug/l #	75
18) Methyl Acetate	2.83	43	5761	2.204	ug/l #	54
20) Methylene Chloride	2.84	84	806	0.531	ug/l #	73
31) Cyclohexane	5.56	56	15649	9.034	ug/l	98
36) 1,1-Dichloropropene	5.65	75	14493	8.507	ug/l #	49
38) Carbon Tetrachloride	5.65	117	19223	9.072	ug/l #	17
39) Methylcyclohexane	7.46	83	32034	19.342	ug/l	95
44) Trichloroethene	7.21	130	1499	1.052	ug/l	77
48) Methyl methacrylate	7.73	41	1861	0.841	ug/l #	50
49) 1,4-Dioxane	7.73	88	40	0.743	ug/l #	1
51) 4-Methyl-2-Pentanone	8.67	43	749	0.243	ug/l #	38
55) 1,1,2-Trichloroethane	9.16	97	7897	4.391	ug/l #	18
56) Ethyl methacrylate	9.16	69	2271	0.808	ug/l #	26
67) Ethyl Benzene	10.25	91	5598	0.806	ug/l	98
68) m/p-Xylenes	10.35	106	7034	2.784	ug/l	91
69) o-Xylene	10.70	106	1494	0.575	ug/l	93
73) Isopropylbenzene	11.01	105	122118	17.701	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.28	83	787	0.291	ug/l #	34
76) 1,2,3-Trichloropropane	11.13	75	65716	26.019	ug/l #	38
78) n-propylbenzene	11.35	91	133024	17.300	ug/l	98
79) 2-Chlorotoluene	11.35	91	133024	26.593	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.45	105	11915	2.025	ug/l	75
81) trans-1,4-Dichloro-2-buten	11.13	75	65716	70.105	ug/l #	8
82) 4-Chlorotoluene	11.35	91	133024	23.171	ug/l #	46

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

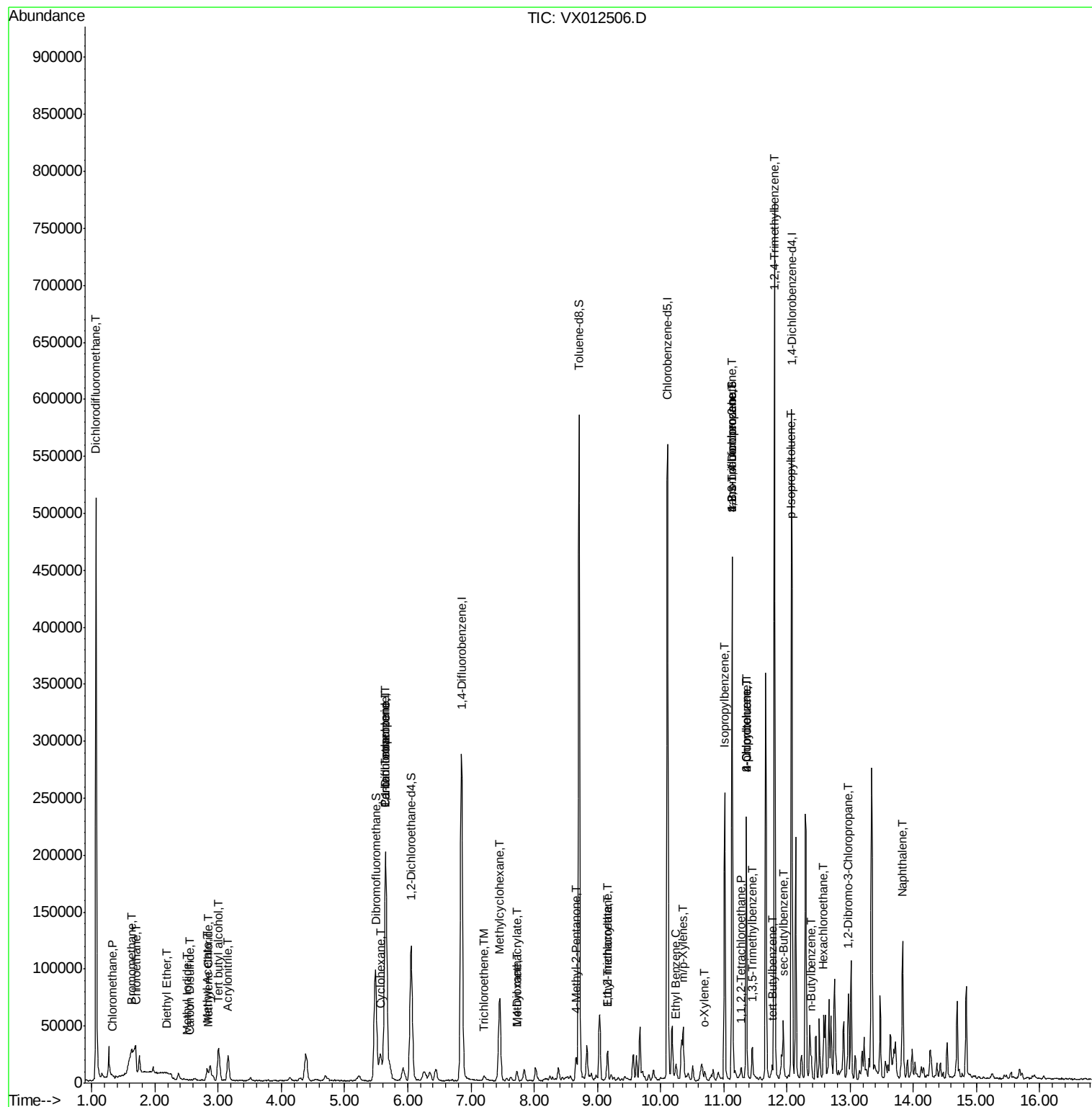
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	11.76	119	4171	0.662	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	339510	56.200	ug/l	99
85) sec-Butylbenzene	11.94	105	23910	3.442	ug/l	81
86) p-Isopropyltoluene	12.06	119	6061	0.950	ug/l	84
89) n-Butylbenzene	12.38	91	8568	1.505	ug/l #	57
90) Hexachloroethane	12.59	117	2375	2.030	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	12.98	75	442	0.630	ug/l #	4
95) Naphthalene	13.83	128	69646	9.186	ug/l	98

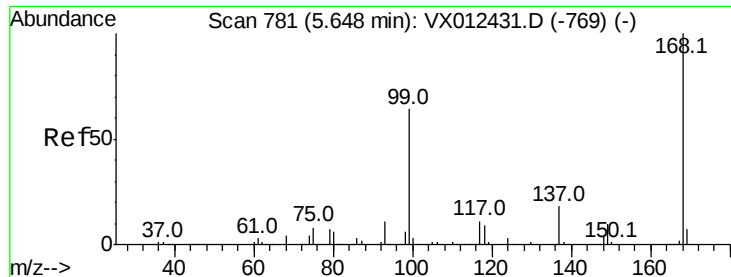
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091819\
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QLast Update : Tue Sep 17 15:27:10 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012506.D

Acq: 19 Sep 2019 04:38

Instrument :

MSVOA_X

ClientSampleId :

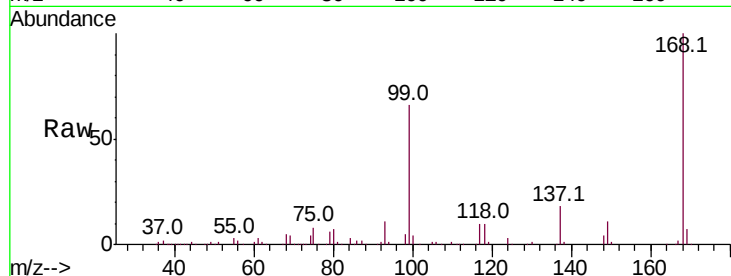
S13-0282DL

Tot Ion:168 Resp: 174994

Ion Ratio Lower Upper

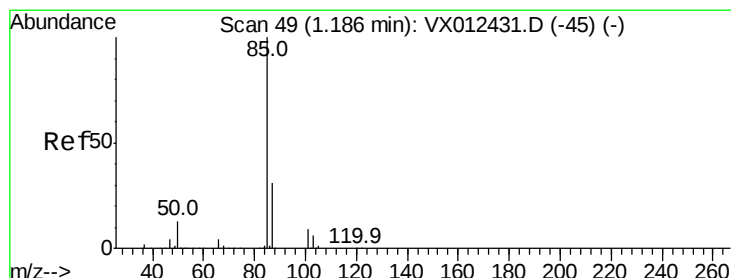
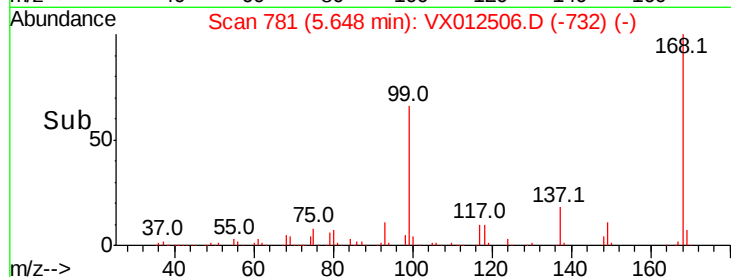
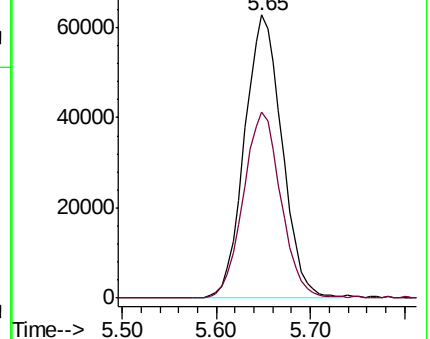
168 100

99 65.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.410 ug/l

RT: 1.06 min Scan# 28

Delta R.T. -0.13 min

Lab File: VX012506.D

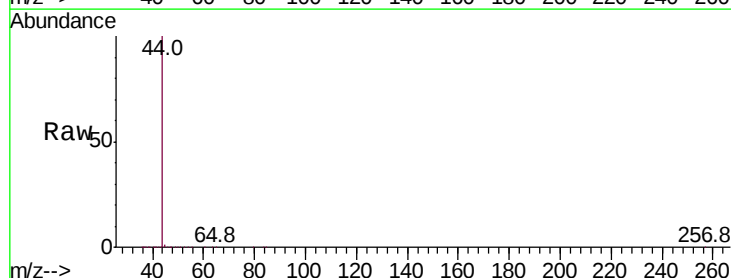
Acq: 19 Sep 2019 04:38

Tgt Ion: 85 Resp: 22

Ion Ratio Lower Upper

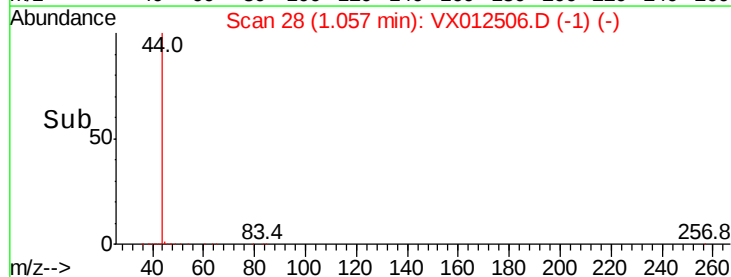
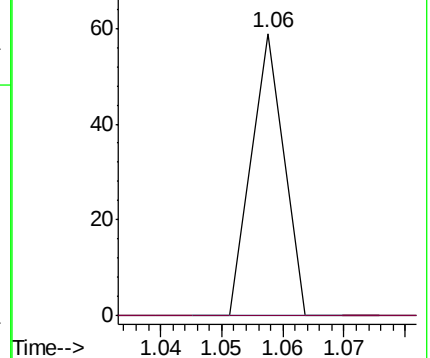
85 100

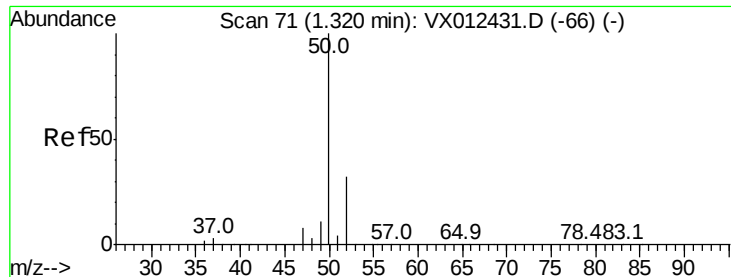
87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.500 ug/l

RT: 1.33 min Scan# 73

Delta R.T. 0.01 min

Lab File: VX012506.D

Acq: 19 Sep 2019 04:38

Instrument :

MSVOA_X

ClientSampled :

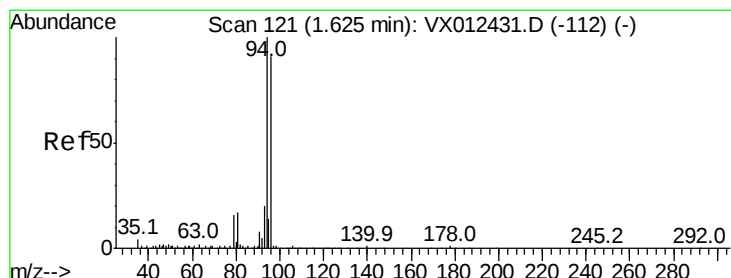
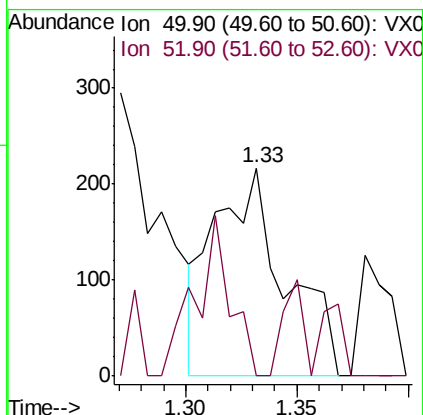
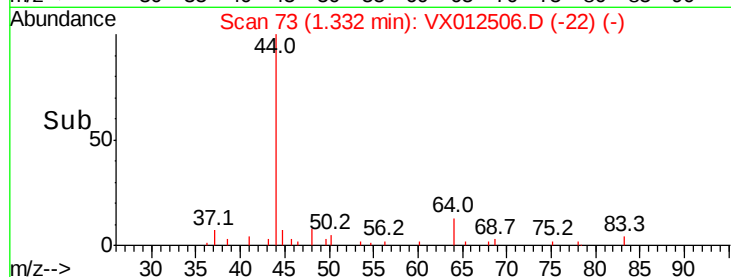
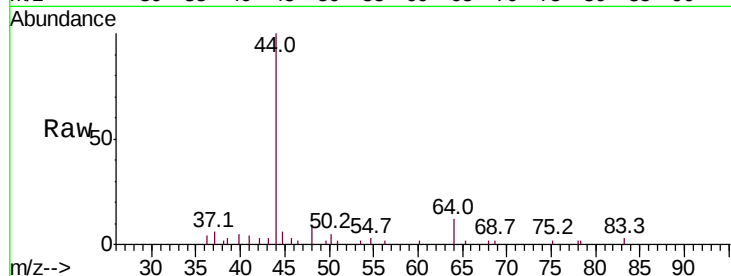
S13-0282DL

Tot Ion: 50 Resp: 481

Ion Ratio Lower Upper

50 100

52 0.0 25.7 38.5#



#5

Bromomethane

Concen: 1.094 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012506.D

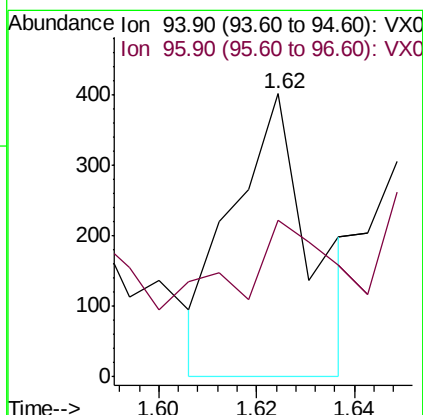
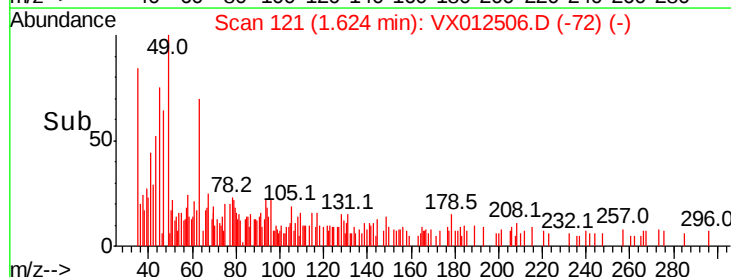
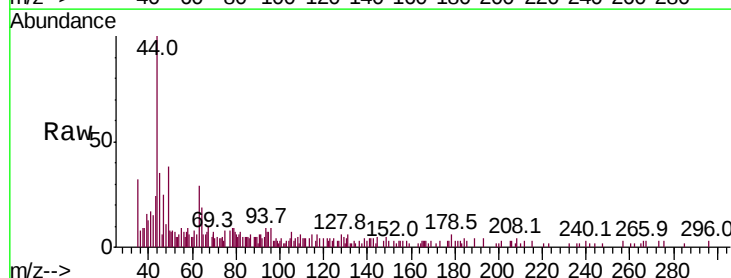
Acq: 19 Sep 2019 04:38

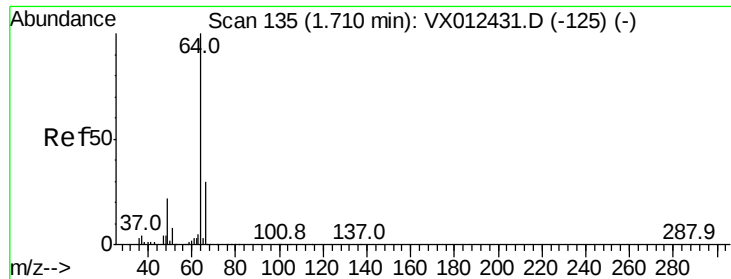
Tgt Ion: 94 Resp: 447

Ion Ratio Lower Upper

94 100

96 28.4 72.8 109.2#





#6

Chloroethane

Concen: 0.515 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012506.D

Acq: 19 Sep 2019 04:38

Instrument :

MSVOA_X

ClientSampleId :

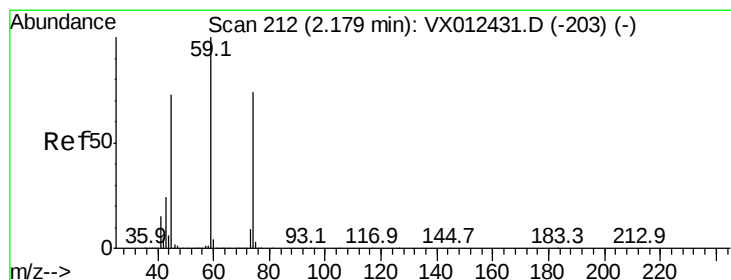
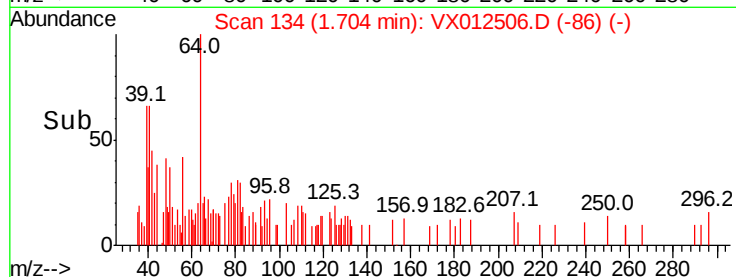
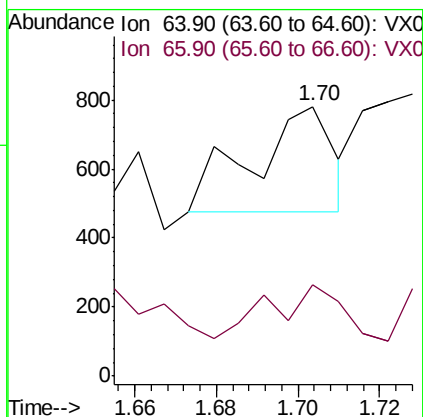
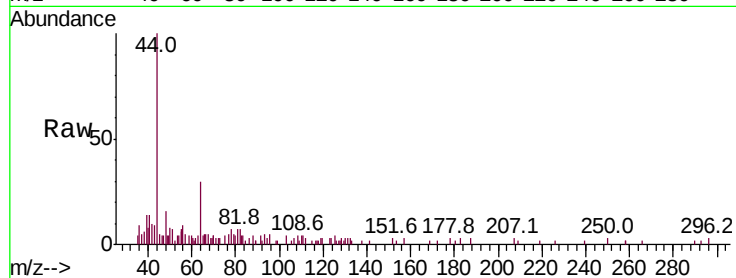
S13-0282DL

Tot Ion: 64 Resp: 419

Ion Ratio Lower Upper

64 100

66 38.4 24.0 36.0#



#8

Diethyl Ether

Concen: 0.246 ug/l

RT: 2.19 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX012506.D

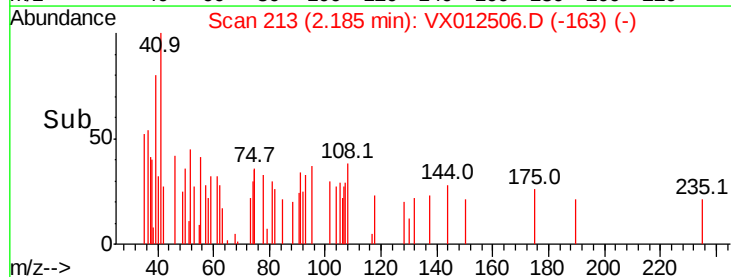
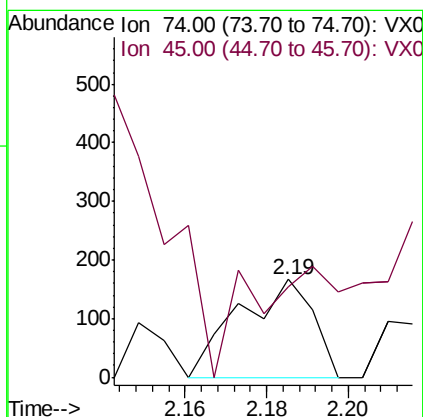
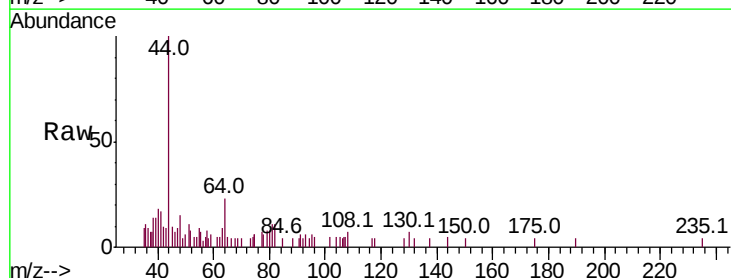
Acq: 19 Sep 2019 04:38

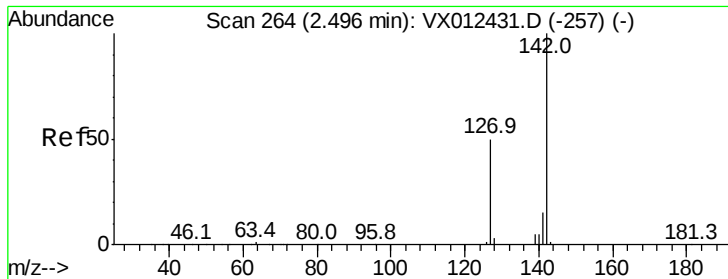
Tgt Ion: 74 Resp: 212

Ion Ratio Lower Upper

74 100

45 134.4 49.9 149.7

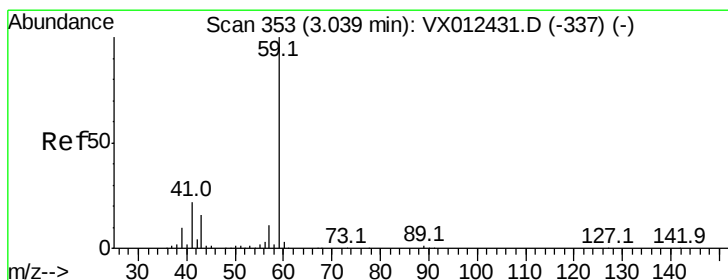
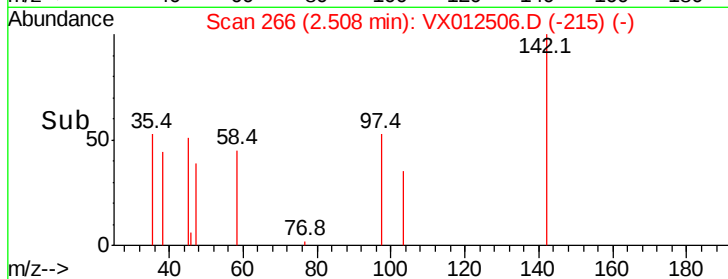
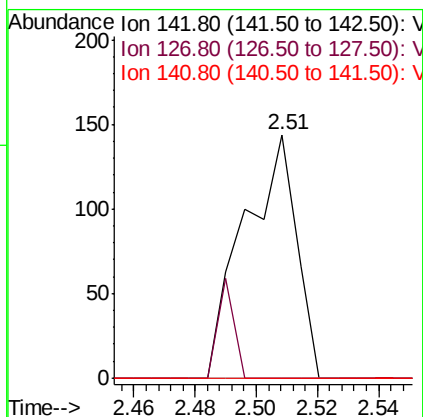
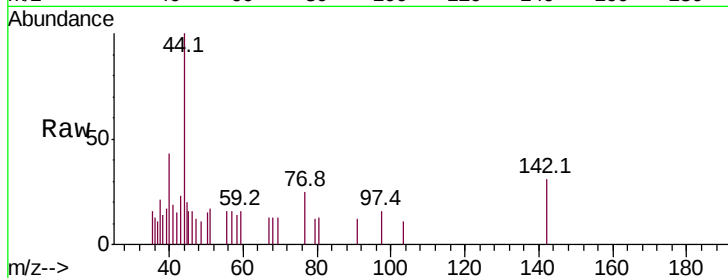




#10
Methyl Iodide
Concen: 4.574 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012506.D
Acq: 19 Sep 2019 04:38

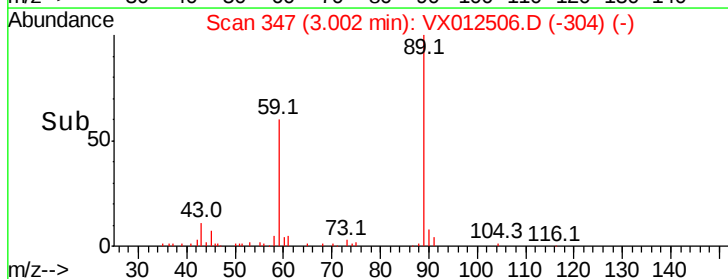
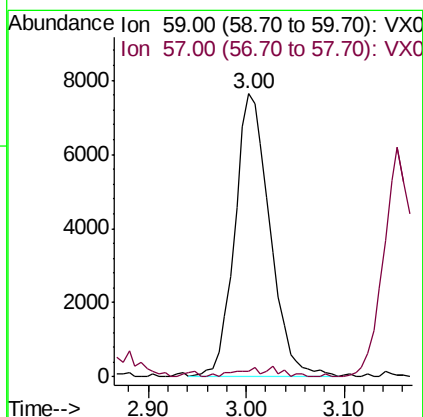
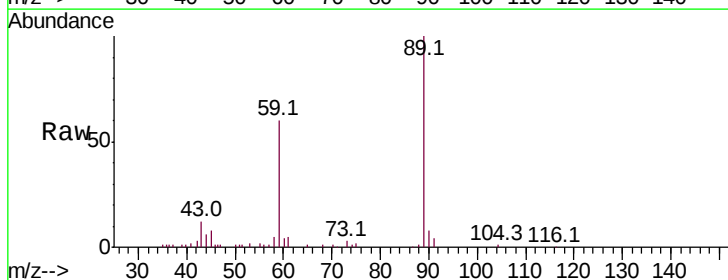
Instrument :
MSVOA_X
ClientSampleID :
S13-0282DL

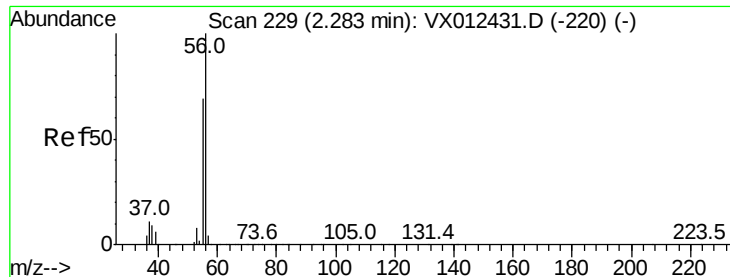
Tot Ion:142 Resp: 171
Ion Ratio Lower Upper
142 100
127 12.9 40.8 61.2#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 24.566 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.04 min
Lab File: VX012506.D
Acq: 19 Sep 2019 04:38

Tgt Ion: 59 Resp: 18992
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: Below Cal

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX012506.D

Acq: 19 Sep 2019 04:38

Instrument :

MSVOA_X

ClientSampled :

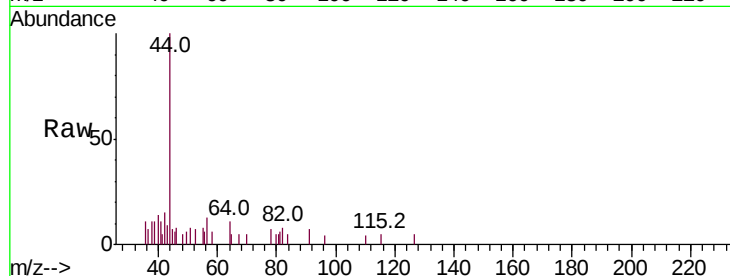
S13-0282DL

Tot Ion: 56 Resp: 220

Ion Ratio Lower Upper

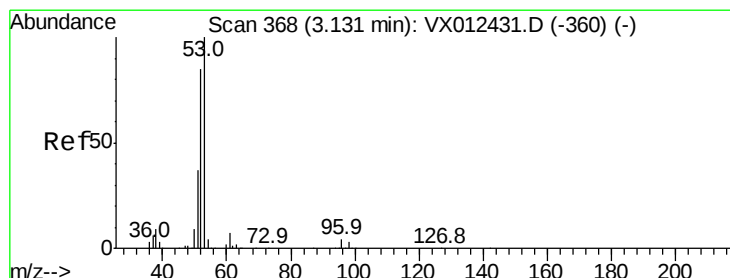
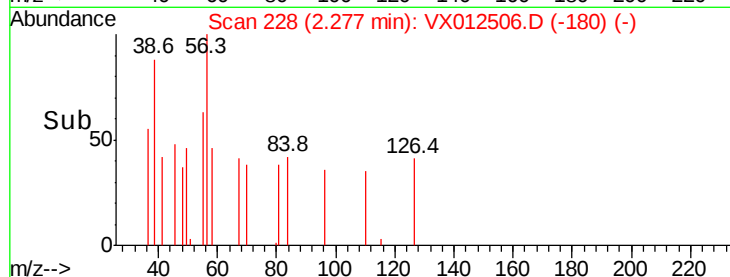
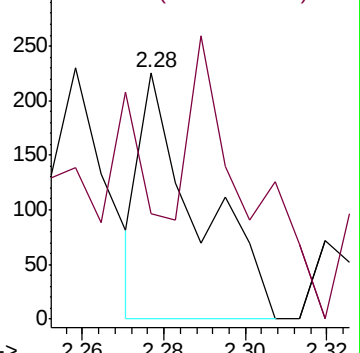
56 100

55 113.6 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.397 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.02 min

Lab File: VX012506.D

Acq: 19 Sep 2019 04:38

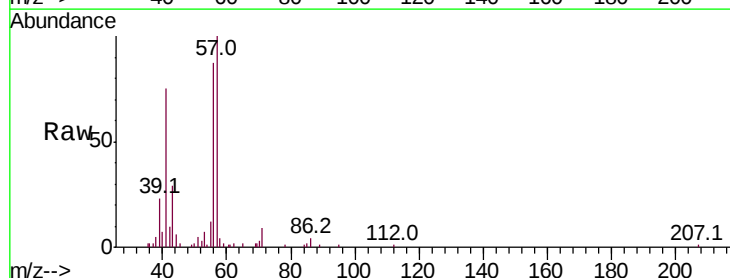
Tgt Ion: 53 Resp: 432

Ion Ratio Lower Upper

53 100

52 44.0 67.0 100.4#

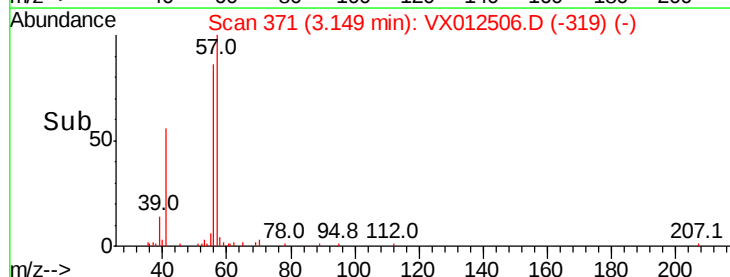
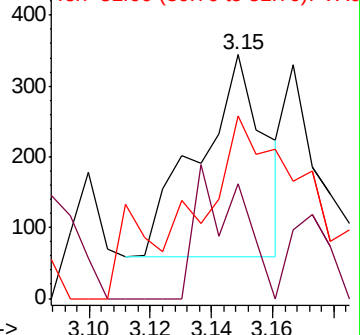
51 140.0 29.6 44.4#

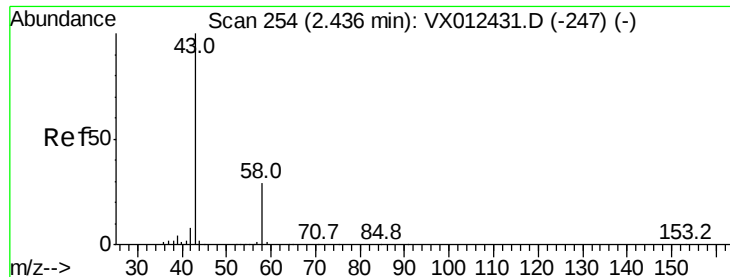


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX012506.D

Acq: 19 Sep 2019 04:38

Instrument :

MSVOA_X

ClientSampled :

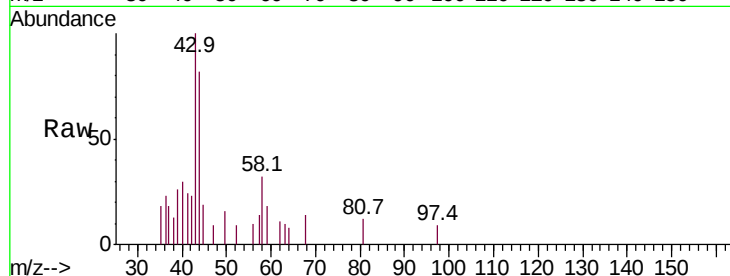
S13-0282DL

Tot Ion: 43 Resp: 910

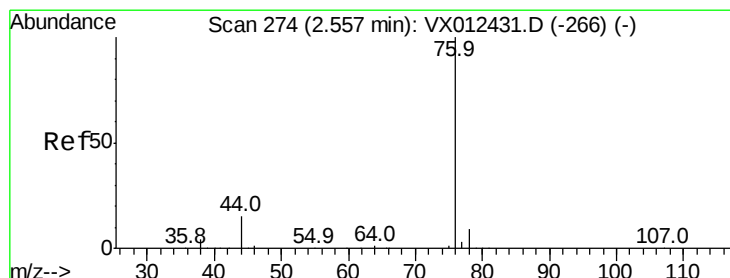
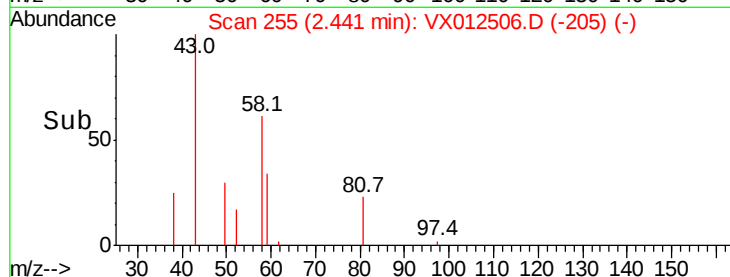
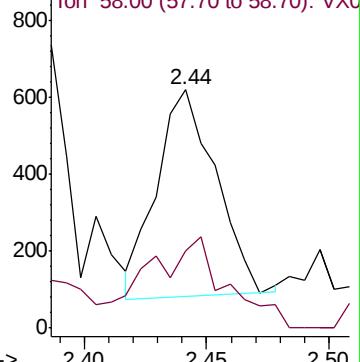
Ion Ratio Lower Upper

43 100

58 22.4 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#17

Carbon Disulfide

Concen: 1.920 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012506.D

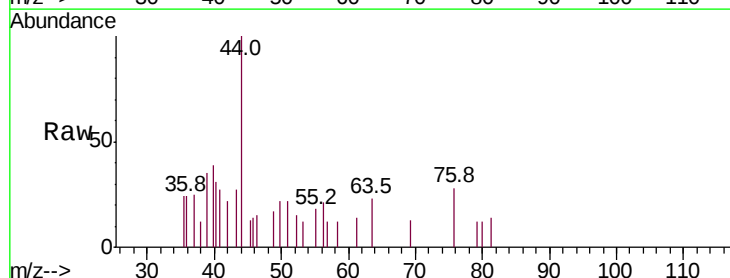
Acq: 19 Sep 2019 04:38

Tgt Ion: 76 Resp: 184

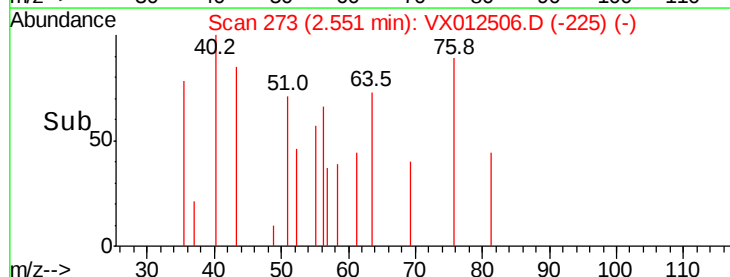
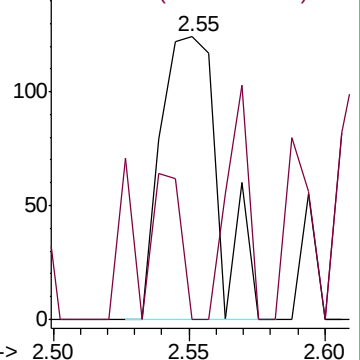
Ion Ratio Lower Upper

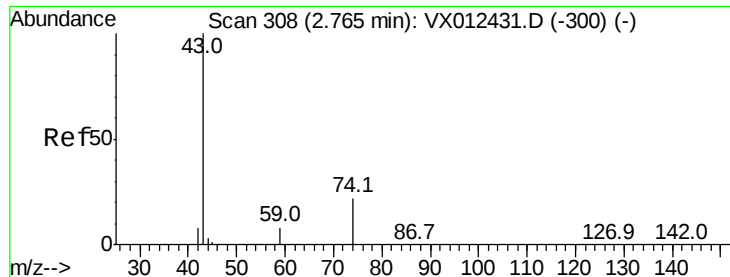
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

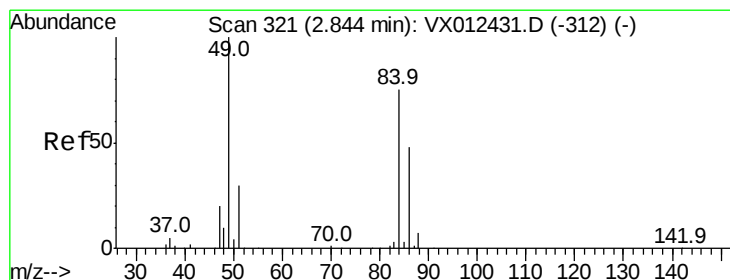
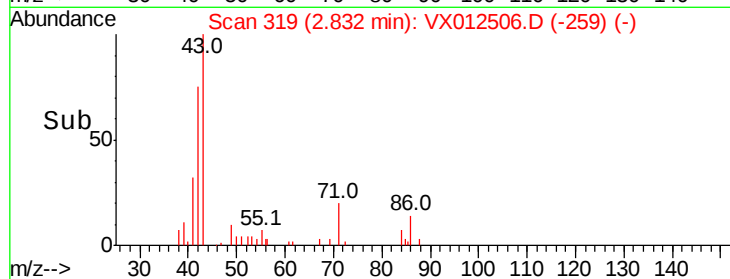
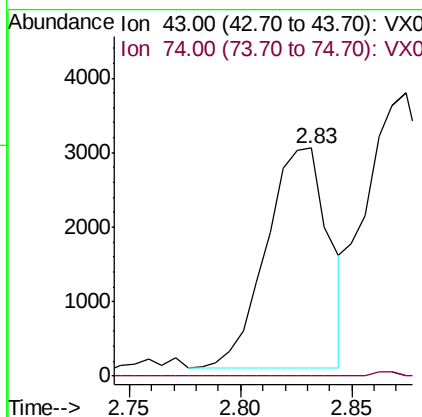
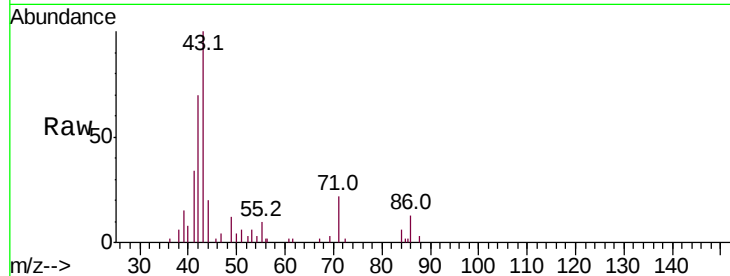




#18
Methvl Acetate
Concen: 2.204 ug/l
RT: 2.83 min Scan# 319
Delta R.T. 0.07 min
Lab File: VX012506.D
Acq: 19 Sep 2019 04:38

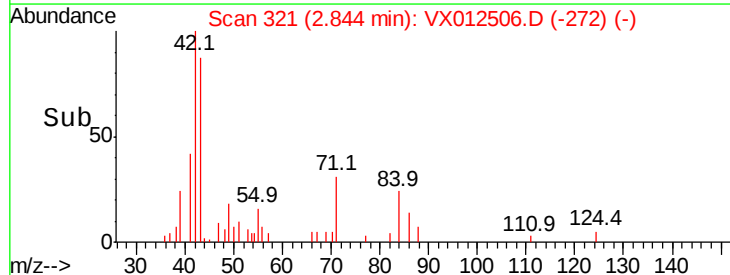
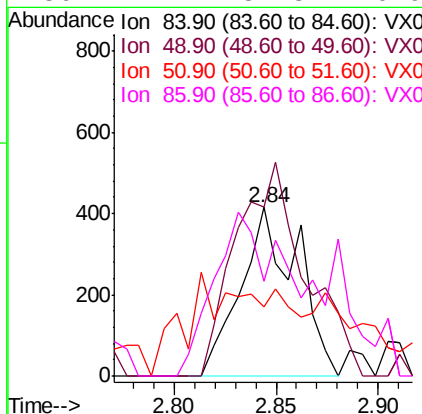
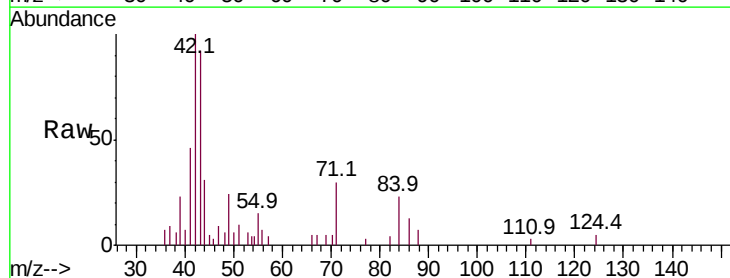
Instrument :
MSVOA_X
ClientSampled :
S13-0282DL

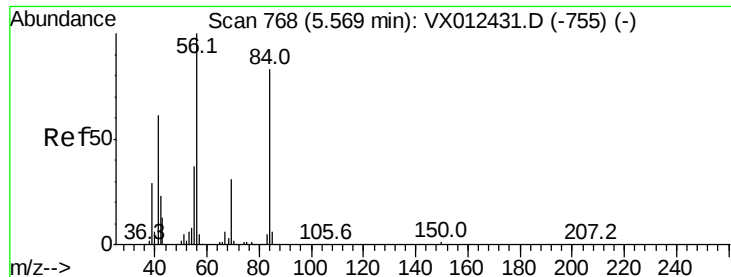
Tot Ion: 43 Resp: 5761
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: 0.531 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012506.D
Acq: 19 Sep 2019 04:38

Tgt Ion: 84 Resp: 806
Ion Ratio Lower Upper
84 100
49 100.2 106.8 160.2#
51 24.6 32.3 48.5#
86 42.7 51.3 76.9#





#31

Cyclohexane

Concen: 9.034 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX012506.D

Acq: 19 Sep 2019 04:38

Instrument :

MSVOA_X

ClientSampled :

S13-0282DL

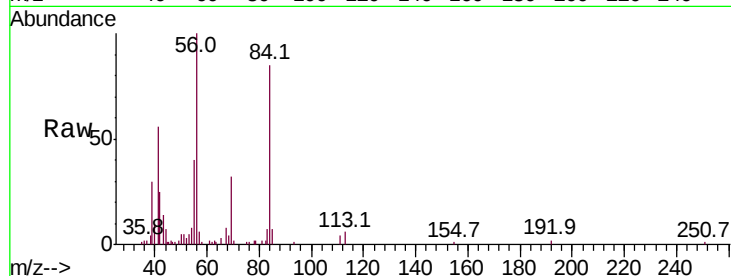
Tot Ion: 56 Resp: 15649

Ion Ratio Lower Upper

56 100

69 31.0 25.0 37.6

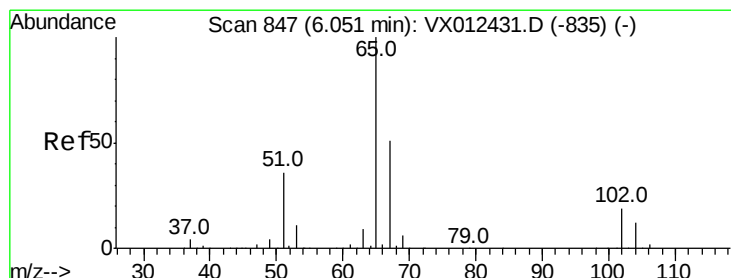
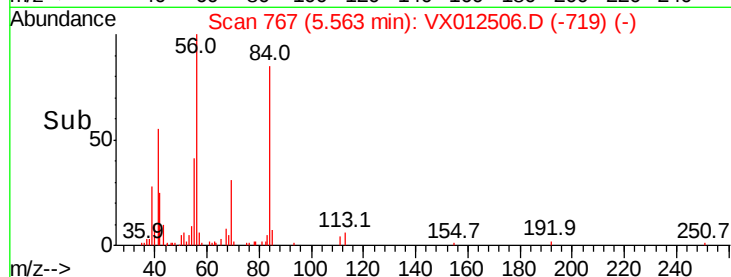
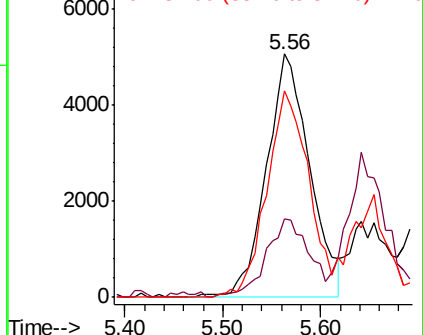
84 84.8 66.4 99.6



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: 47.289 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012506.D

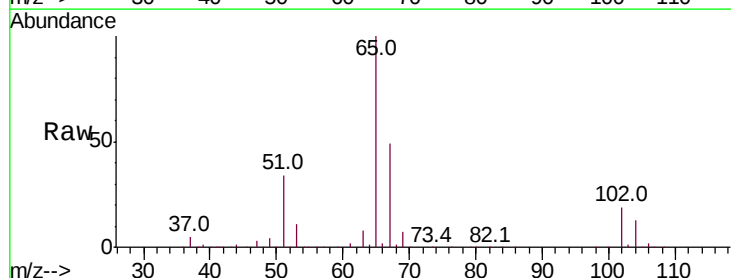
Acq: 19 Sep 2019 04:38

Tgt Ion: 65 Resp: 118601

Ion Ratio Lower Upper

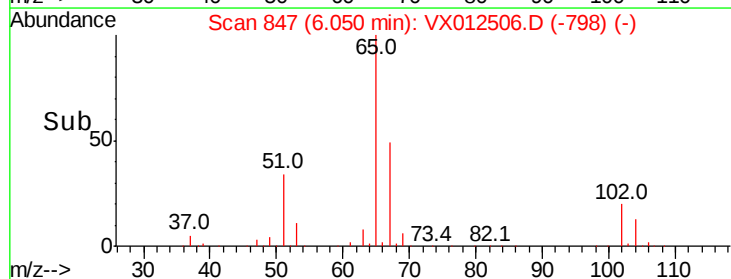
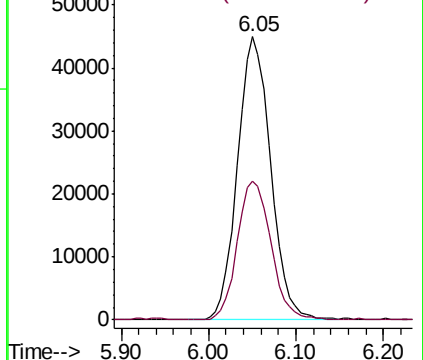
65 100

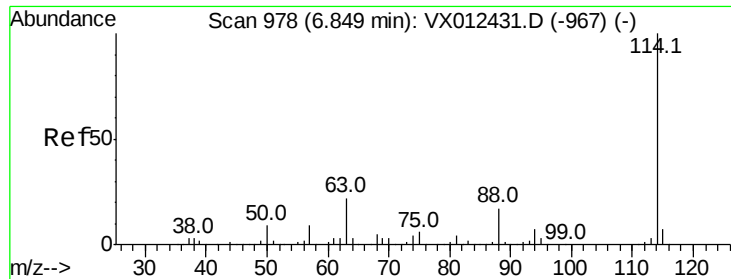
67 50.0 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

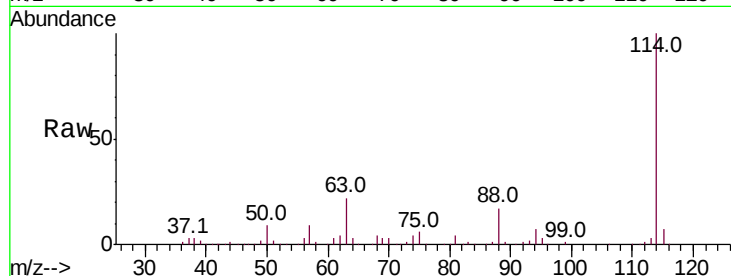




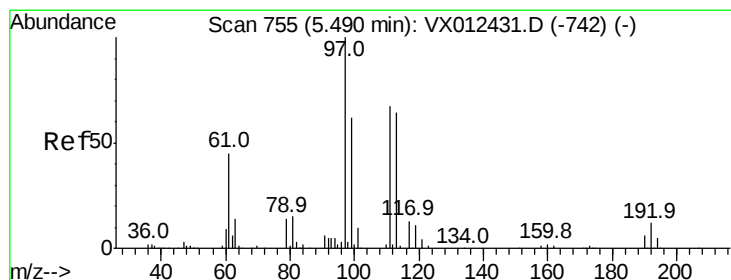
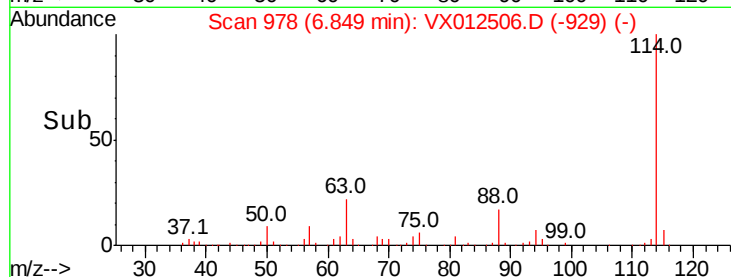
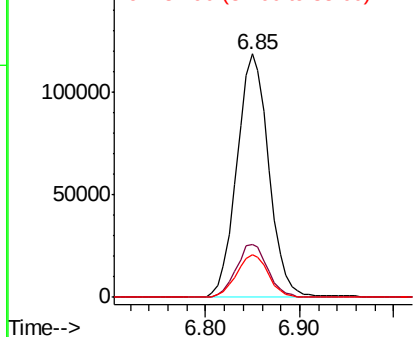
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012506.D
 Acq: 19 Sep 2019 04:38

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.2
88	17.5	0.0	33.2

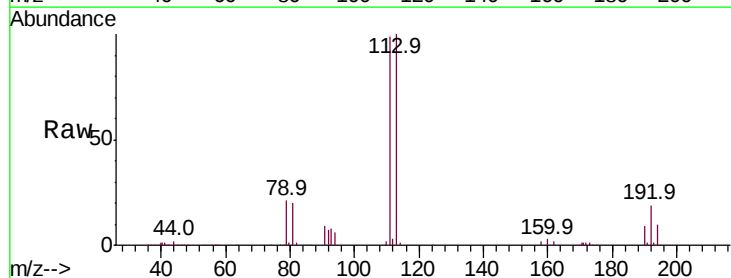


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

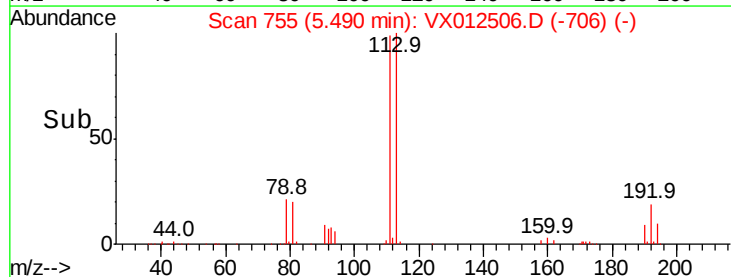
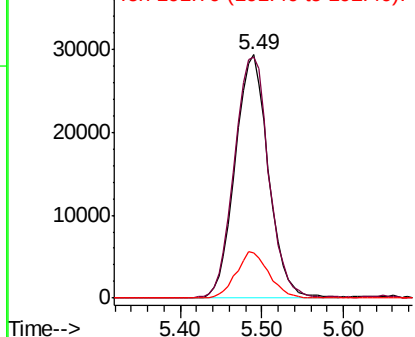


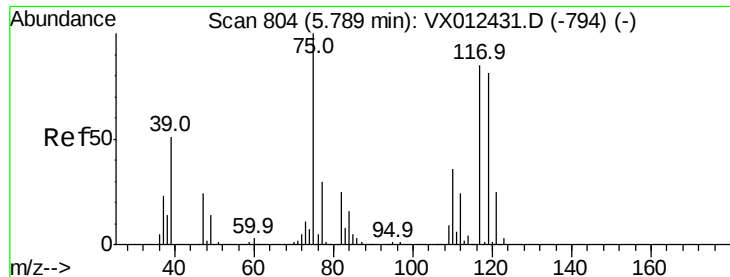
#35
 Dibromofluoromethane
 Concen: 48.933 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX012506.D
 Acq: 19 Sep 2019 04:38

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.4	125.2
192	18.9	14.4	21.6



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





#36

1,1-Dichloropropene

Concen: 8.507 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012506.D

Acq: 19 Sep 2019 04:38

Instrument :

MSVOA_X

ClientSampleId :

S13-0282DL

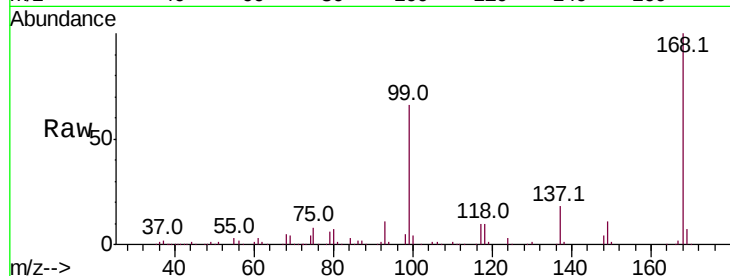
Tot Ion: 75 Resp: 14493

Ion Ratio Lower Upper

75 100

110 6.4 16.7 50.0#

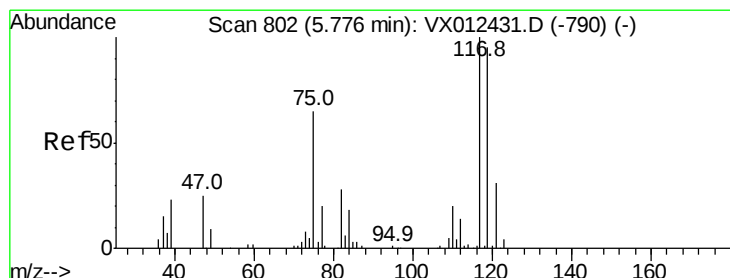
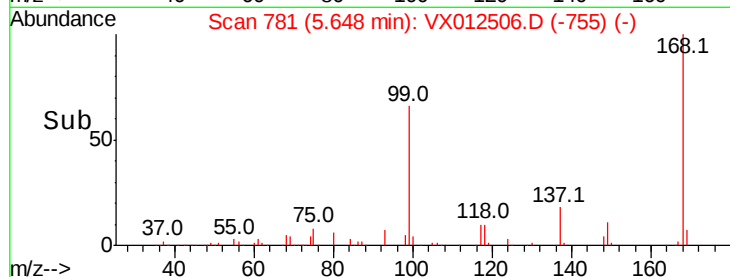
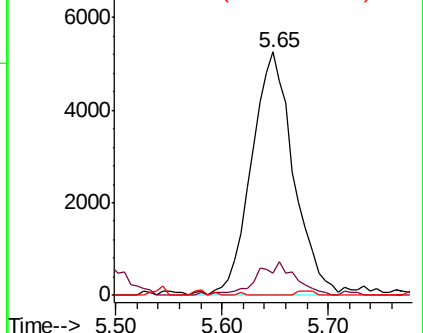
77 0.0 24.2 36.2#



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: 9.072 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012506.D

Acq: 19 Sep 2019 04:38

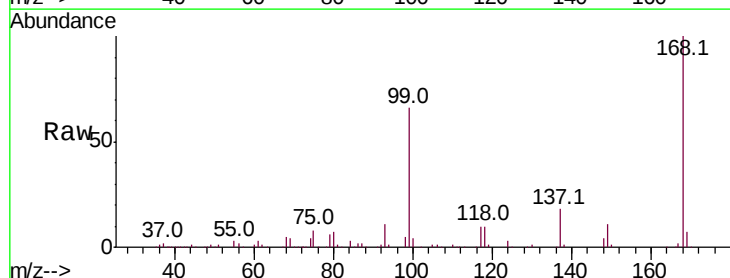
Tgt Ion: 117 Resp: 19223

Ion Ratio Lower Upper

117 100

119 5.8 75.7 113.5#

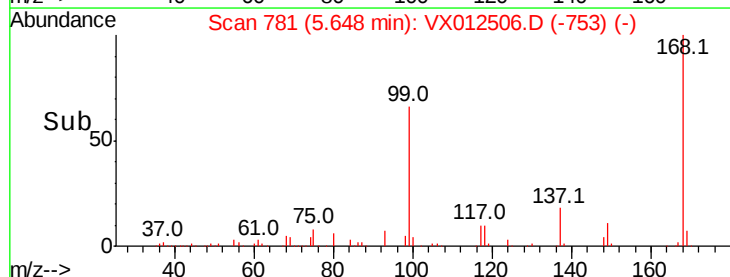
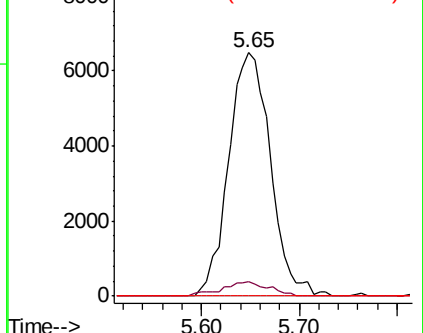
121 0.0 24.2 36.4#

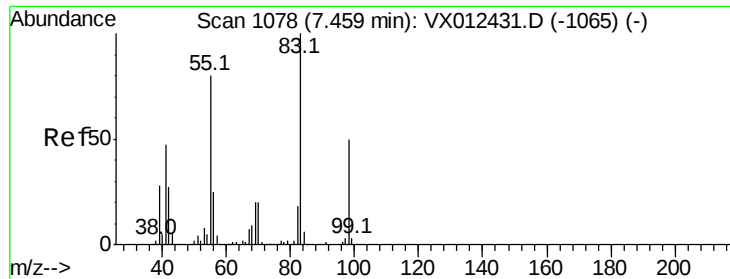


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

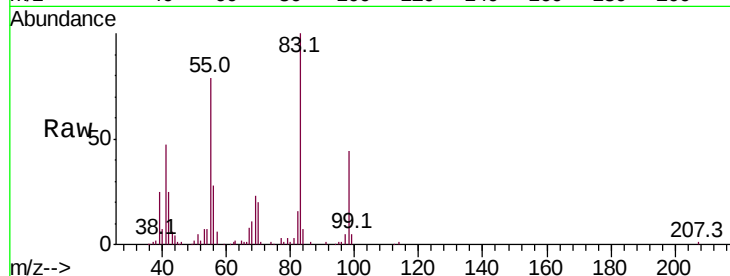




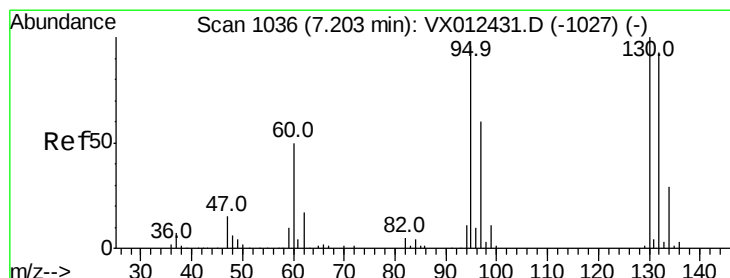
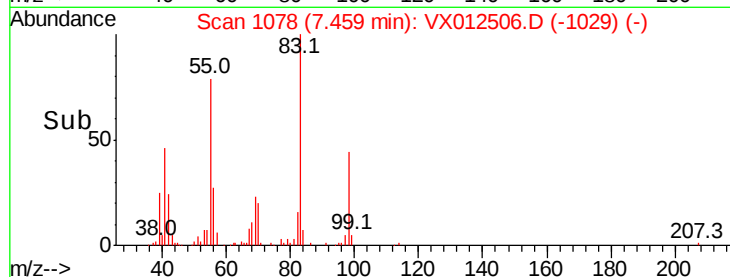
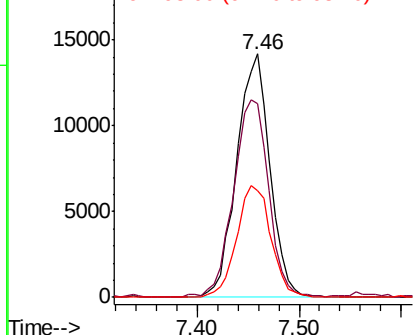
#39
Methvlcvclohexane
Concen: 19.342 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX012506.D
Acq: 19 Sep 2019 04:38

Instrument :
MSVOA_X
ClientSampleId :
S13-0282DL

Tot Ion: 83 Resp: 32034
Ion Ratio Lower Upper
83 100
55 78.6 64.4 96.6
98 43.8 40.1 60.1

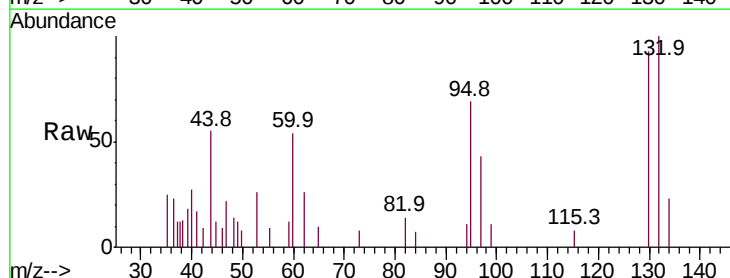


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

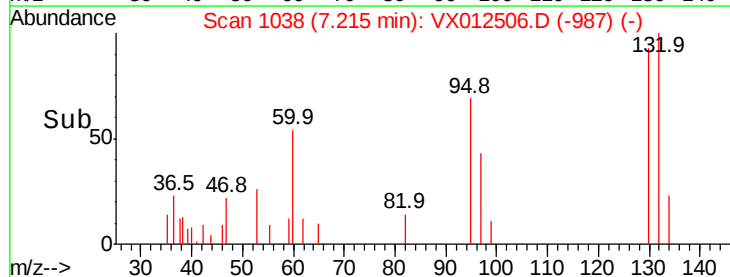
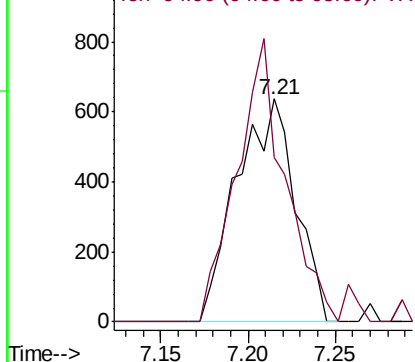


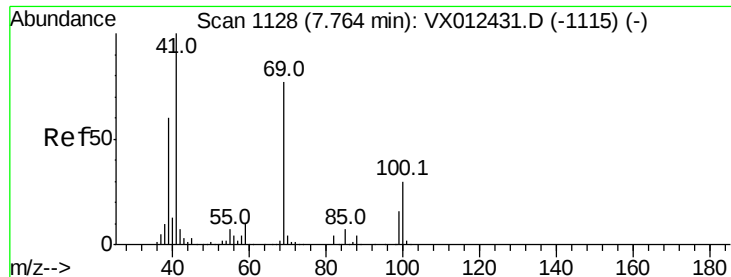
#44
Trichloroethene
Concen: 1.052 ug/l
RT: 7.21 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VX012506.D
Acq: 19 Sep 2019 04:38

Tgt Ion:130 Resp: 1499
Ion Ratio Lower Upper
130 100
95 73.9 0.0 193.0



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

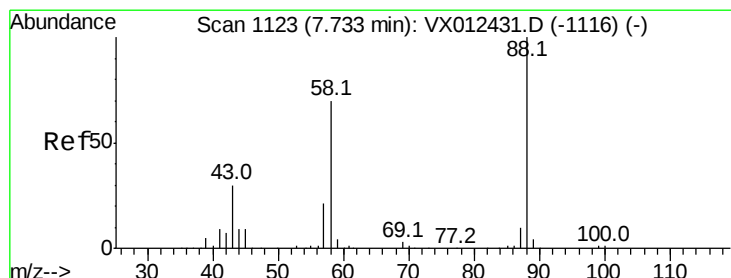
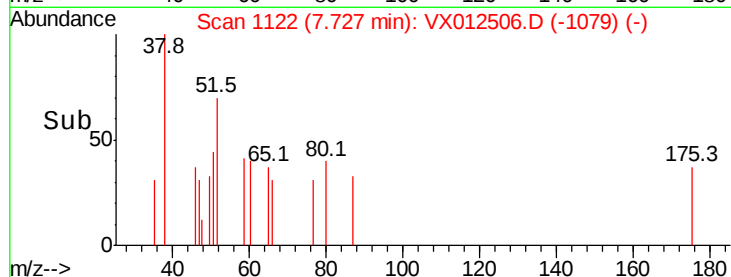
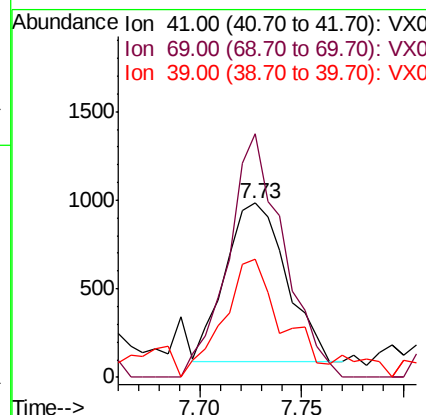
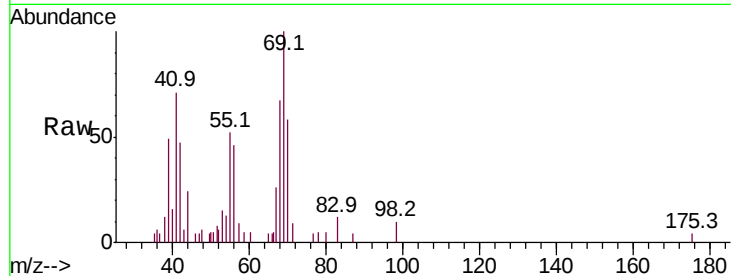




#48
Methvl methacrylate
Concen: 0.841 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.04 min
Lab File: VX012506.D
Acq: 19 Sep 2019 04:38

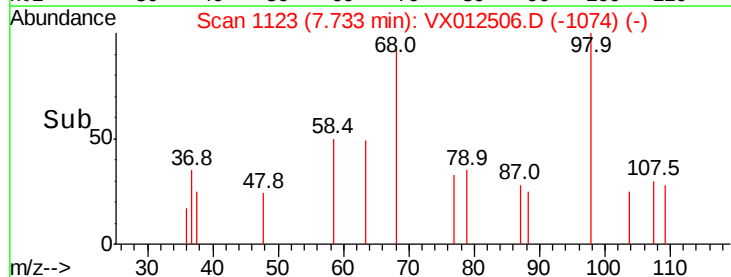
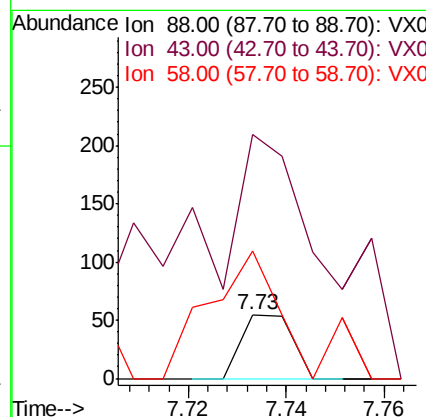
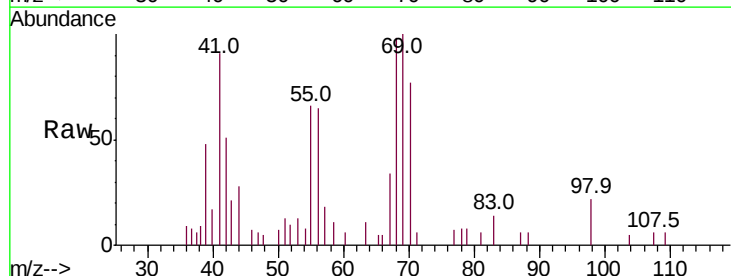
Instrument :
MSVOA_X
ClientSampled :
S13-0282DL

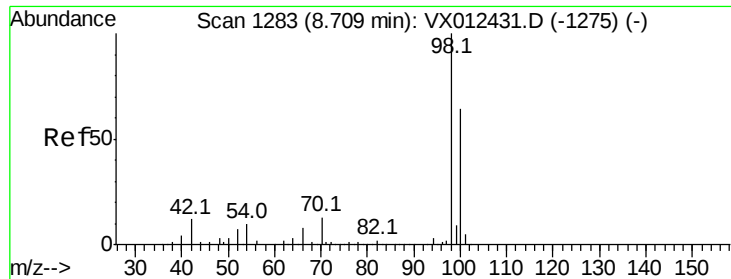
Tot Ion: 41 Resp: 1861
Ion Ratio Lower Upper
41 100
69 139.6 59.9 89.9#
39 72.0 47.8 71.6#



#49
1,4-Dioxane
Concen: 0.743 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012506.D
Acq: 19 Sep 2019 04:38

Tgt Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 1290.0 29.4 44.0#
58 315.0 57.5 86.3#

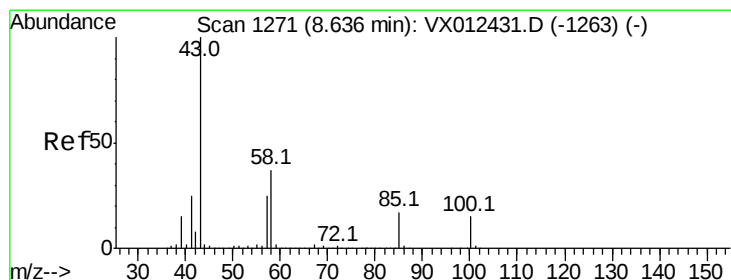
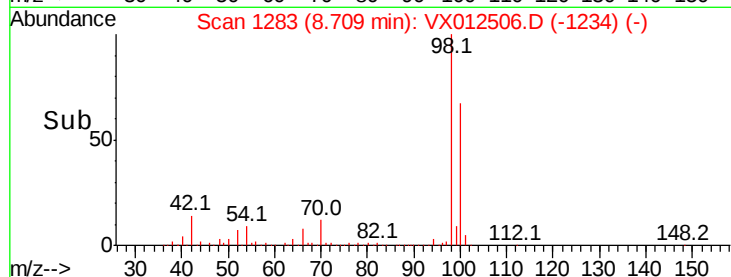
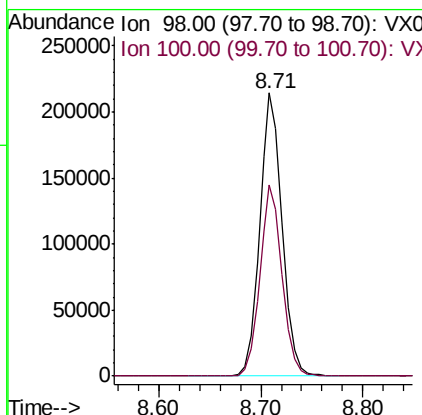
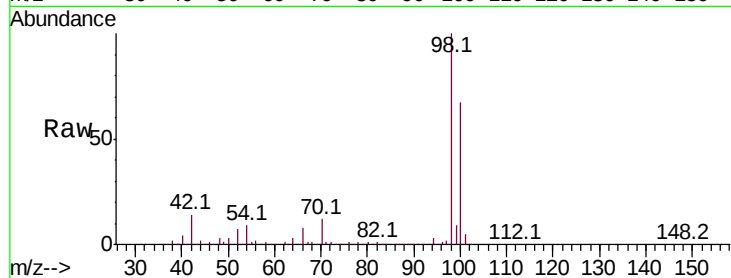




#50
Toluene-d8
Concen: 52.122 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012506.D
Acq: 19 Sep 2019 04:38

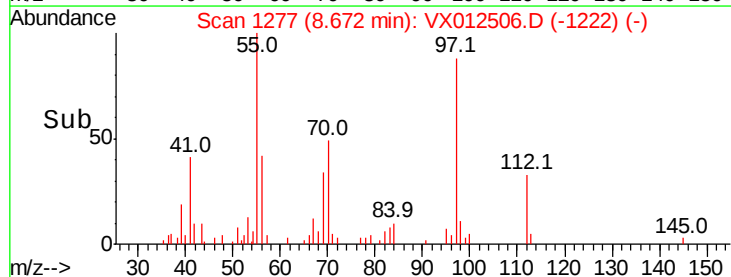
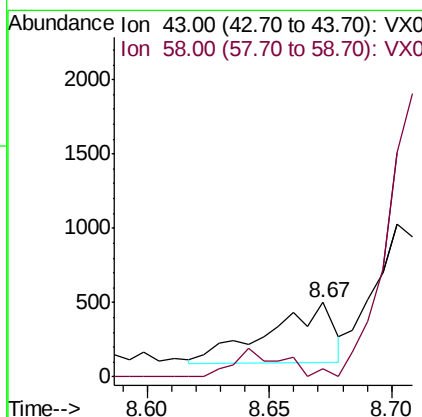
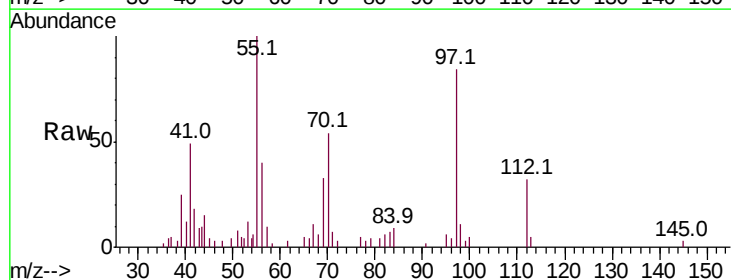
Instrument :
MSVOA_X
ClientSampleId :
S13-0282DL

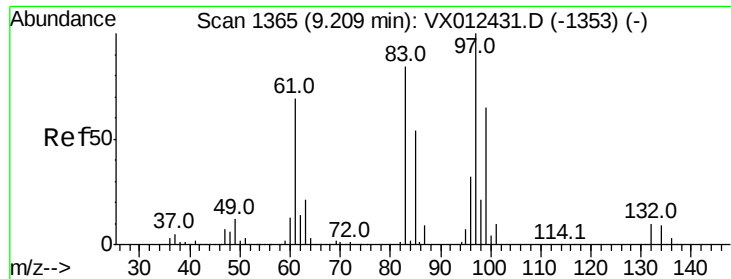
Tot Ion: 98 Resp: 327337
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.243 ug/l
RT: 8.67 min Scan# 1277
Delta R.T. 0.04 min
Lab File: VX012506.D
Acq: 19 Sep 2019 04:38

Tgt Ion: 43 Resp: 749
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.6#

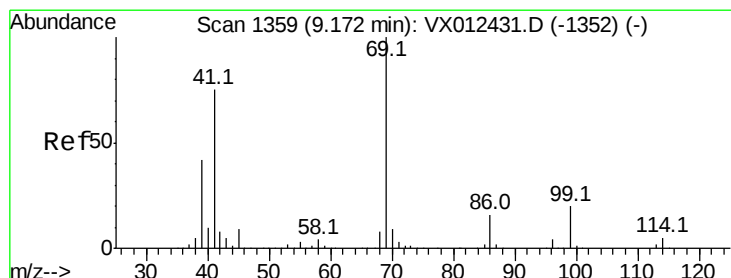
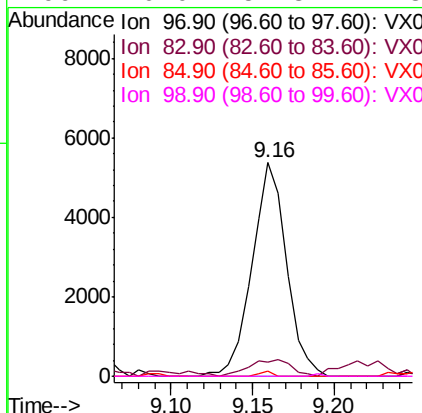
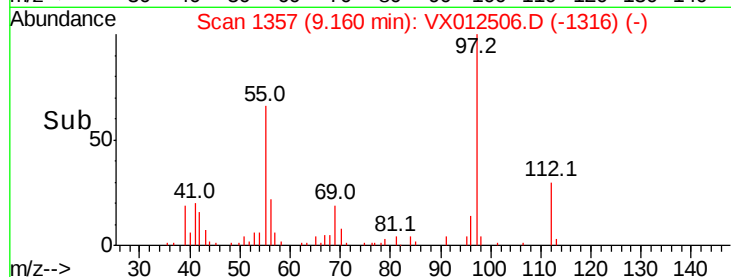
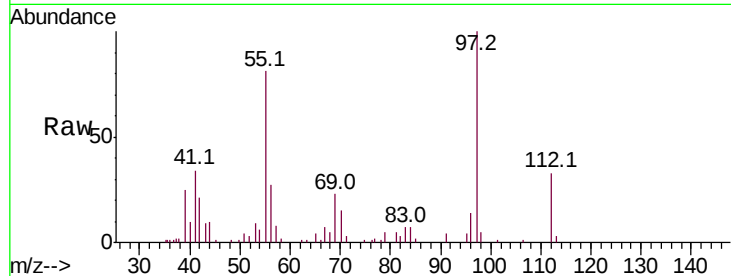




#55
 1,1,2-Trichloroethane
 Concen: 4.391 ug/l
 RT: 9.16 min Scan# 1357
 Delta R.T. -0.05 min
 Lab File: VX012506.D
 Acq: 19 Sep 2019 04:38

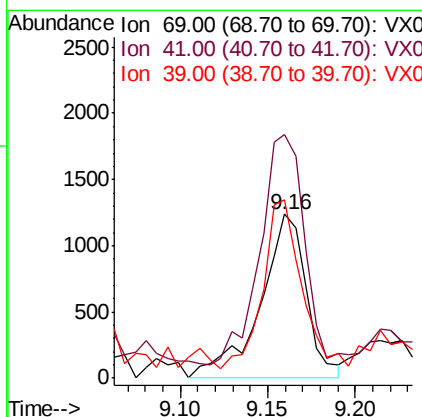
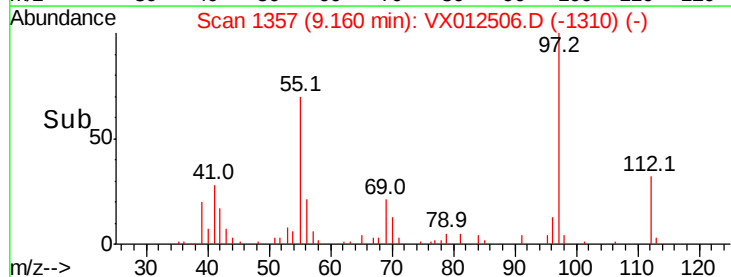
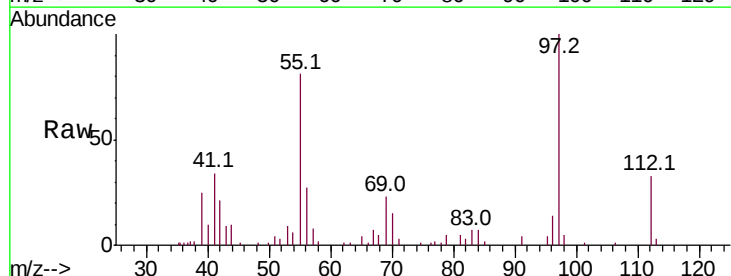
Instrument :
 MSVOA_X
 ClientSampleID :
 S13-0282DL

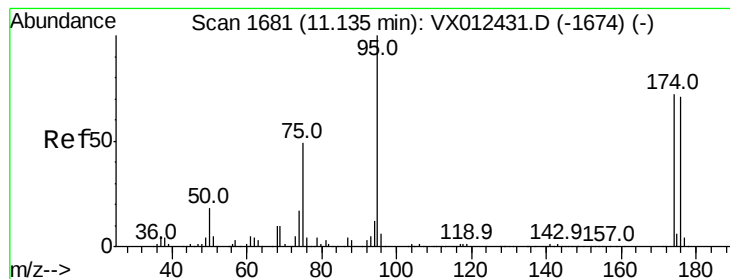
Tot Ion:	97	Resp:	7897
Ion	Ratio	Lower	Upper
97	100		
83	4.5	67.4	101.2#
85	2.1	43.5	65.3#
99	0.0	51.8	77.8#



#56
 Ethyl methacrylate
 Concen: 0.808 ug/l
 RT: 9.16 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VX012506.D
 Acq: 19 Sep 2019 04:38

Tgt Ion:	69	Resp:	2271
Ion	Ratio	Lower	Upper
69	100		
41	136.7	58.4	87.6#
39	86.1	33.4	50.0#





#62

4-Bromofluorobenzene

Concen: 48.564 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012506.D

Acq: 19 Sep 2019 04:38

Instrument :

MSVOA_X

ClientSampleId :

S13-0282DL

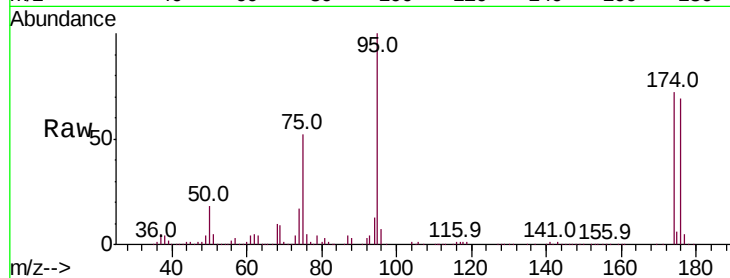
Tot Ion: 95 Resp: 126635

Ion Ratio Lower Upper

95 100

174 70.9 0.0 140.0

176 68.4 0.0 135.4

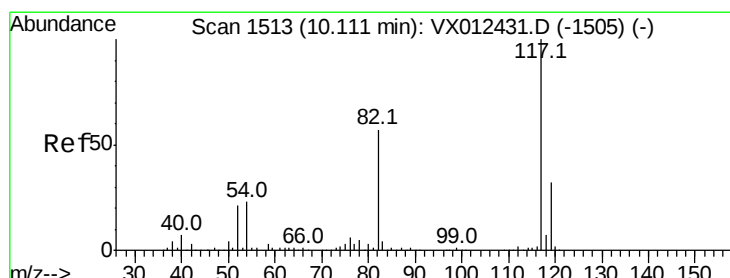
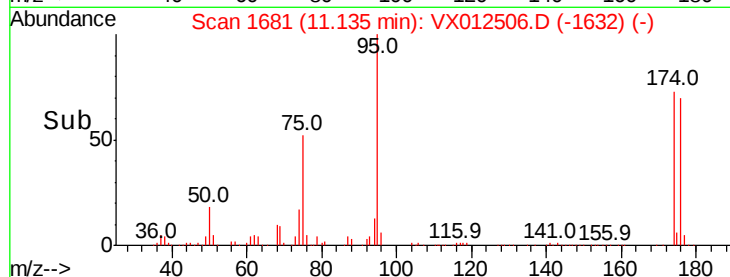


Abundance Ion 94.90 (94.60 to 95.60): VX012431.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012431.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012431.D (-1674) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012506.D

Acq: 19 Sep 2019 04:38

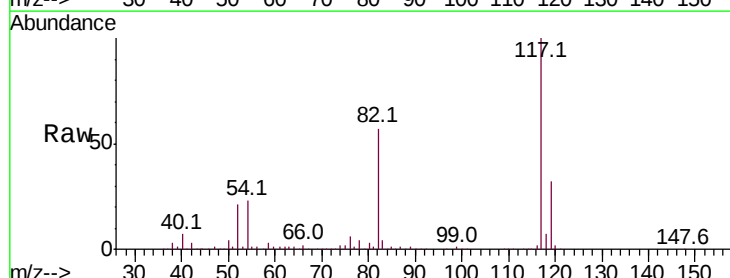
Tgt Ion: 117 Resp: 244849

Ion Ratio Lower Upper

117 100

82 56.5 45.9 68.9

119 31.8 25.3 37.9

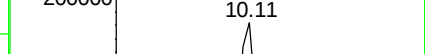
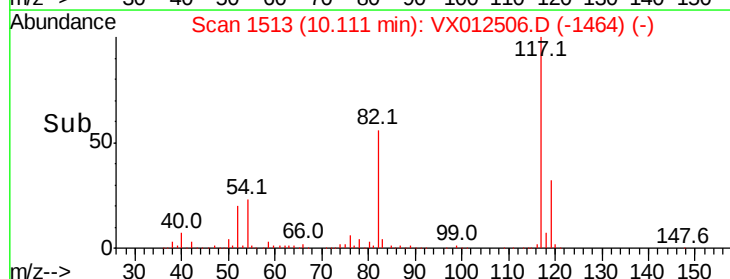


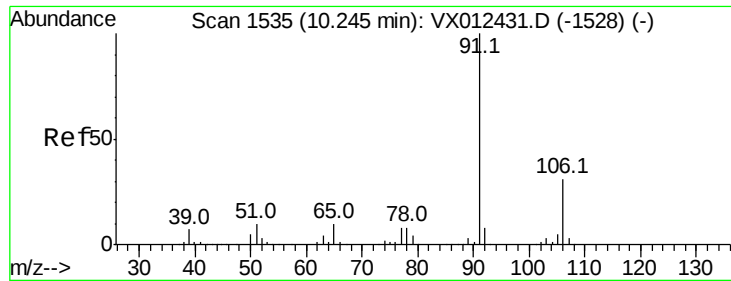
Abundance Ion 116.90 (116.60 to 117.60): VX012431.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012431.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012431.D (-1505) (-)

Time-->

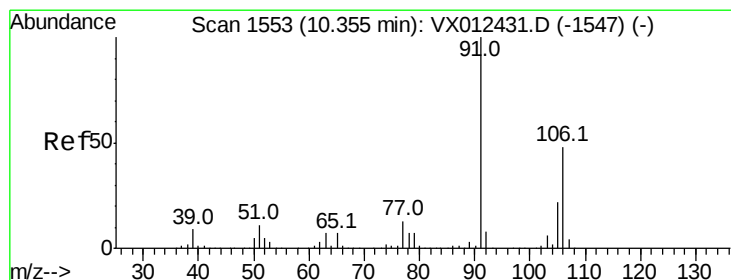
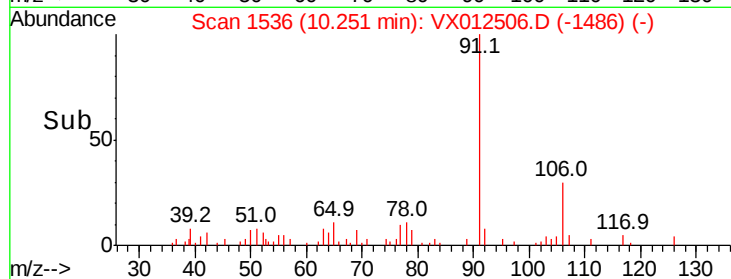
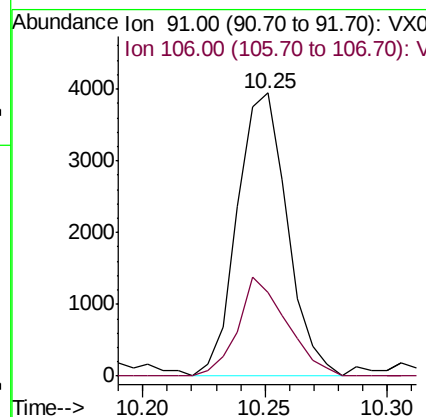
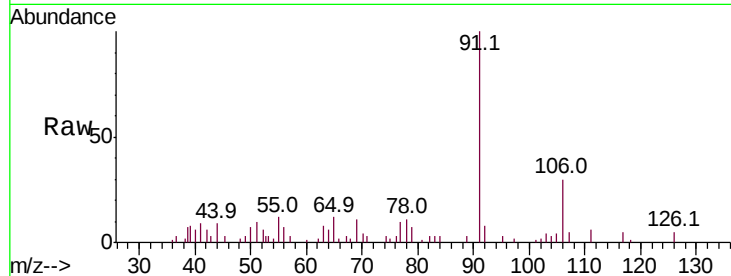




#67
Ethyl Benzene
Concen: 0.806 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX012506.D
Acq: 19 Sep 2019 04:38

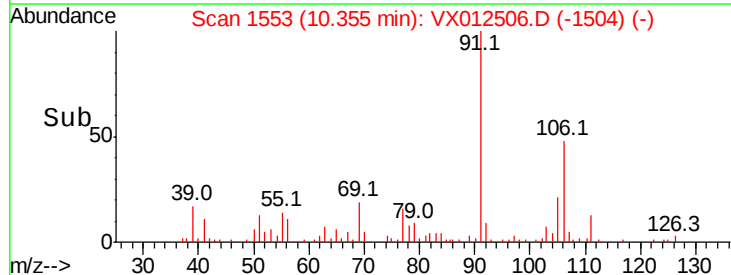
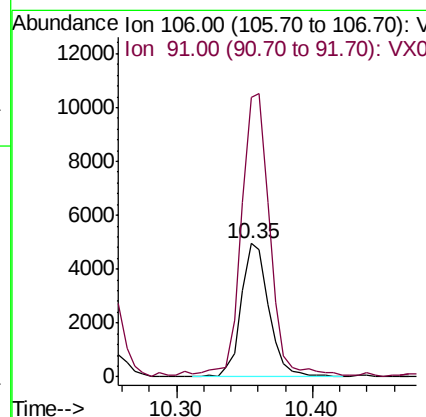
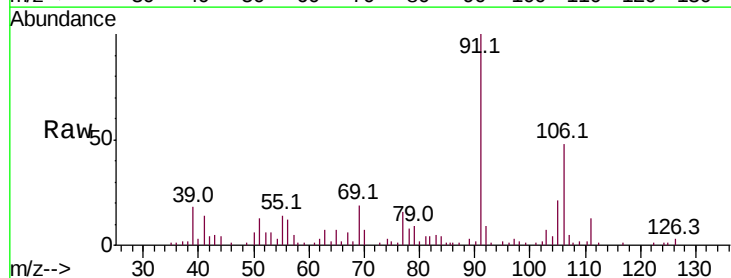
Instrument :
MSVOA_X
ClientSampled :
S13-0282DL

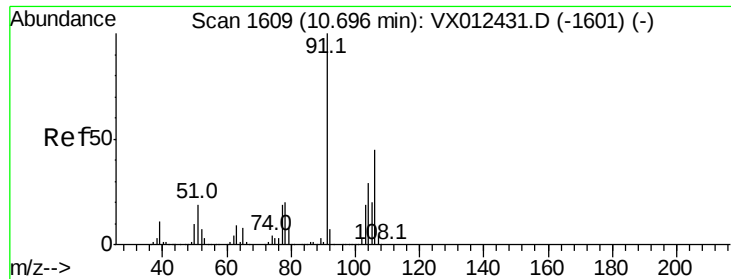
Tot Ion: 91 Resp: 5598
Ion Ratio Lower Upper
91 100
106 29.7 24.6 37.0



#68
m/p-Xylenes
Concen: 2.784 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012506.D
Acq: 19 Sep 2019 04:38

Tgt Ion: 106 Resp: 7034
Ion Ratio Lower Upper
106 100
91 221.7 166.6 250.0

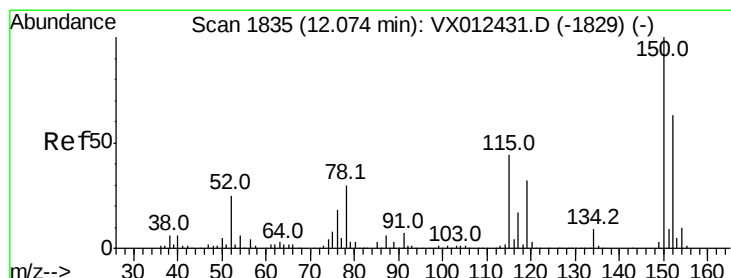
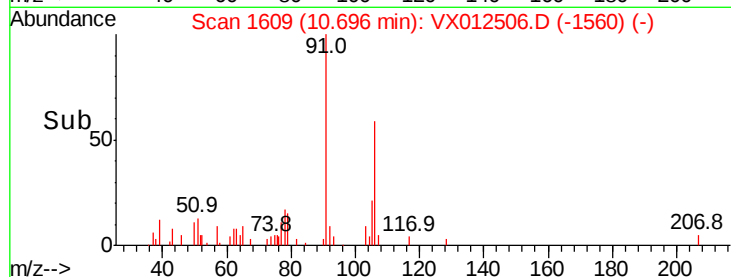
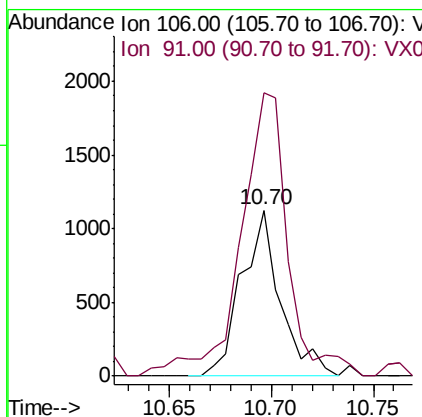
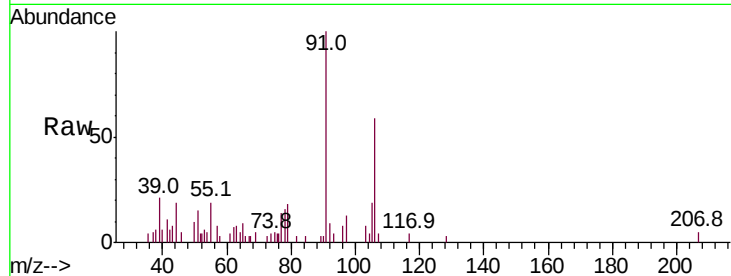




#69
o-Xylene
Concen: 0.575 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012506.D
Acq: 19 Sep 2019 04:38

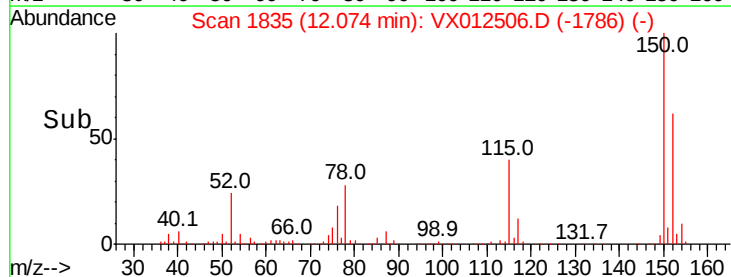
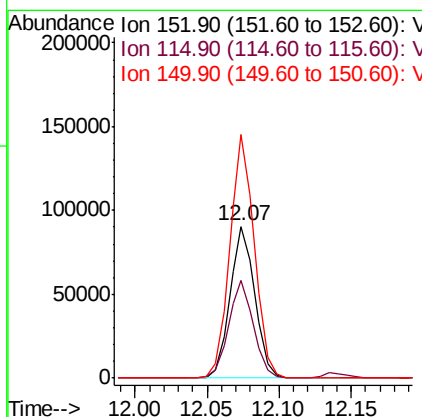
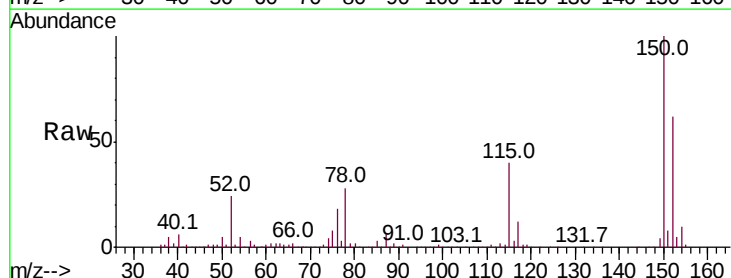
Instrument :
MSVOA_X
ClientSampleID :
S13-0282DL

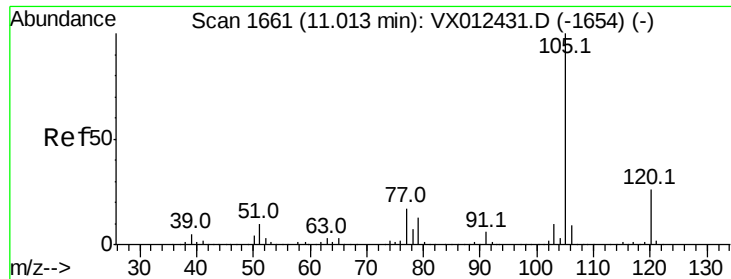
Tot Ion:106 Resp: 1494
Ion Ratio Lower Upper
106 100
91 207.0 109.4 328.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012506.D
Acq: 19 Sep 2019 04:38

Tgt Ion:152 Resp: 109952
Ion Ratio Lower Upper
152 100
115 64.5 44.1 132.3
150 158.0 0.0 343.8





#73

Isopropylbenzene

Concen: 17.701 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012506.D

Acq: 19 Sep 2019 04:38

Instrument :

MSVOA_X

ClientSampled :

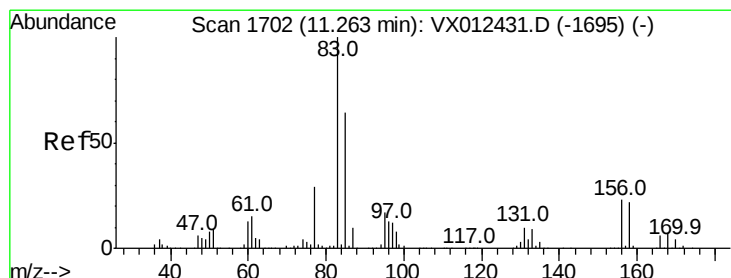
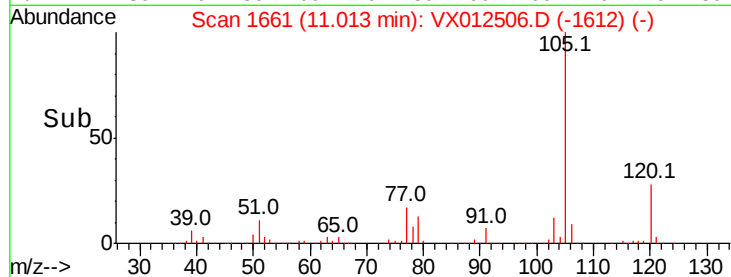
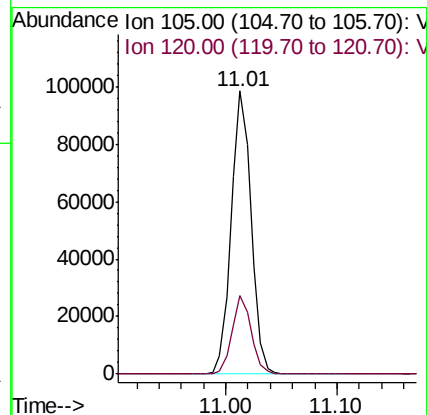
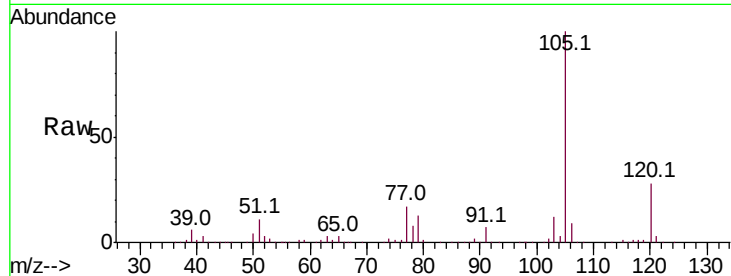
S13-0282DL

Tot Ion:105 Resp: 122118

Ion Ratio Lower Upper

105 100

120 26.6 12.9 38.7



#75

1,1,2,2-Tetrachloroethane

Concen: 0.291 ug/l

RT: 11.28 min Scan# 1704

Delta R.T. 0.01 min

Lab File: VX012506.D

Acq: 19 Sep 2019 04:38

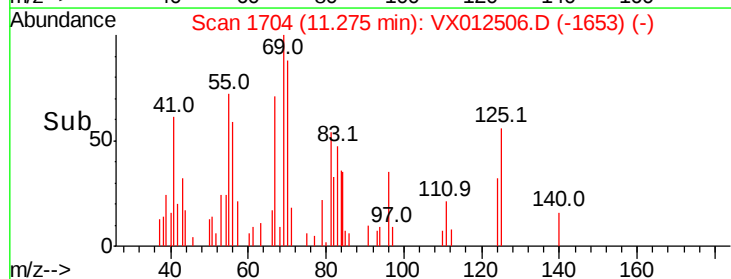
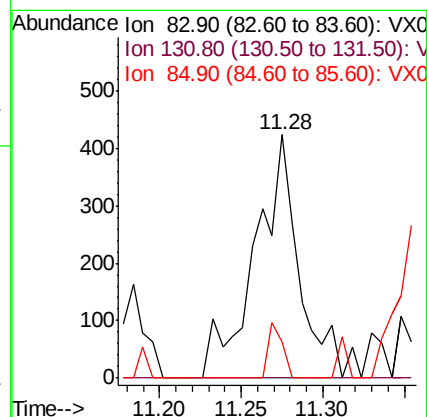
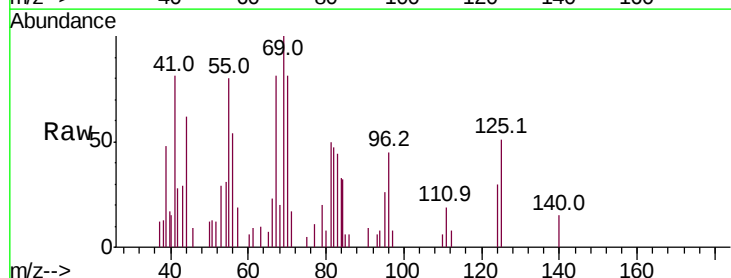
Tgt Ion: 83 Resp: 787

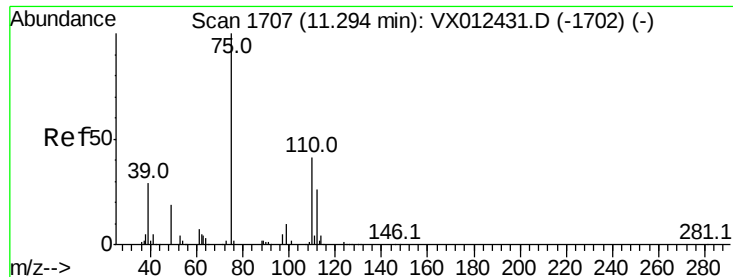
Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

85 7.4 32.0 96.0#





#76

1,2,3-Trichloropropane

Concen: 26.019 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012506.D

Acq: 19 Sep 2019 04:38

Instrument :

MSVOA_X

ClientSampleId :

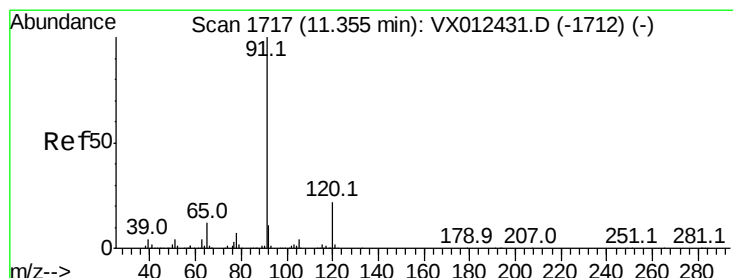
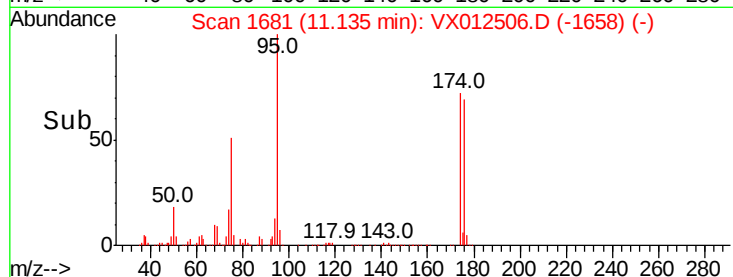
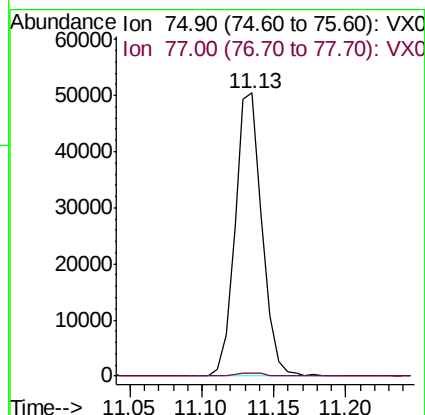
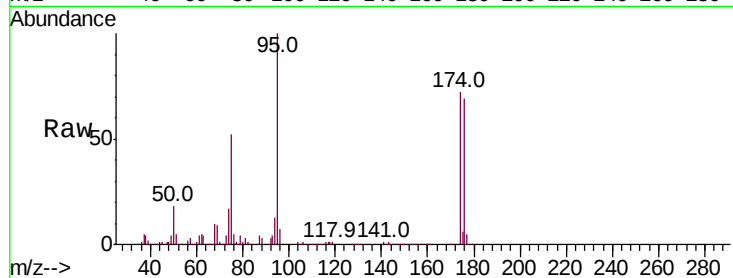
S13-0282DL

Tot Ion: 75 Resp: 65716

Ion Ratio Lower Upper

75 100

77 1.5 19.7 59.0#



#78

n-propylbenzene

Concen: 17.300 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012506.D

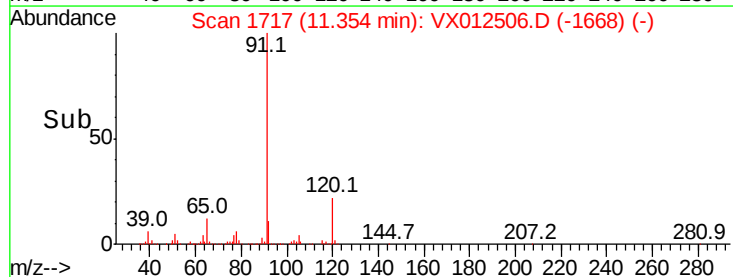
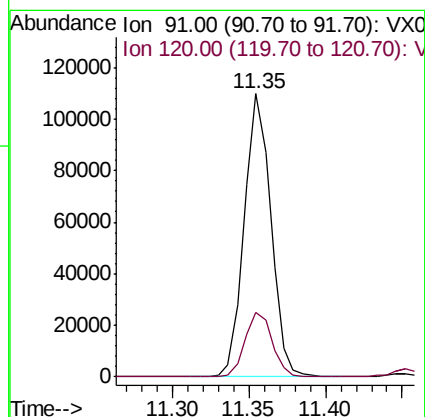
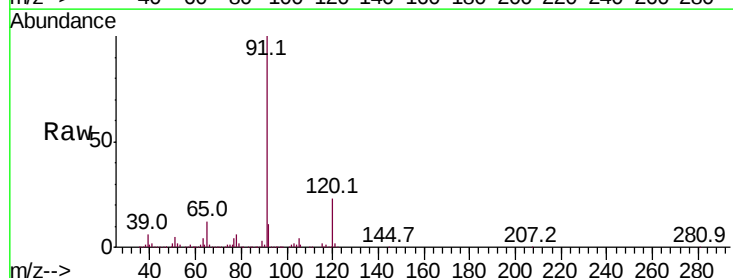
Acq: 19 Sep 2019 04:38

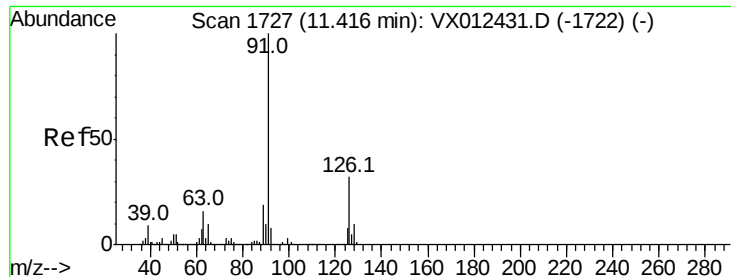
Tgt Ion: 91 Resp: 133024

Ion Ratio Lower Upper

91 100

120 23.4 11.3 33.8





#79

2-Chlorotoluene

Concen: 26.593 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.06 min

Lab File: VX012506.D

Acq: 19 Sep 2019 04:38

Instrument :

MSVOA_X

ClientSampleId :

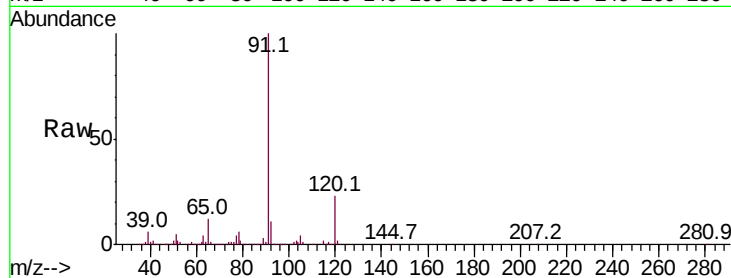
S13-0282DL

Tot Ion: 91 Resp: 133024

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.4#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

11.35

120000

100000

80000

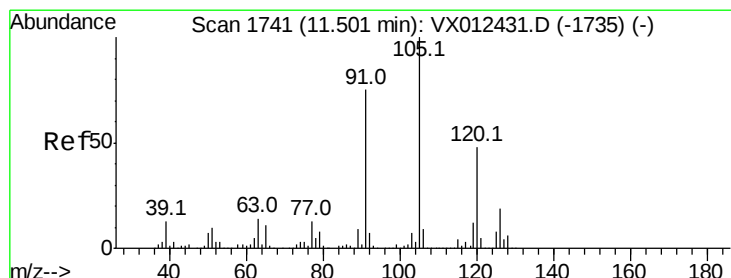
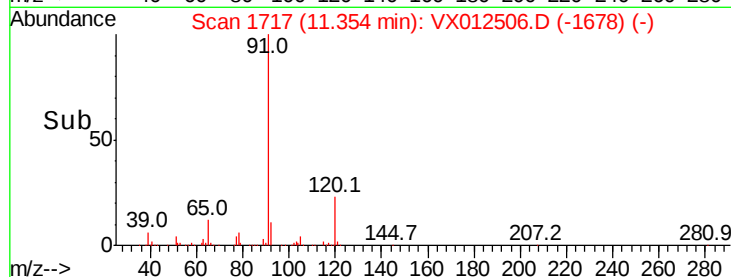
60000

40000

20000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 2.025 ug/l

RT: 11.45 min Scan# 1733

Delta R.T. -0.05 min

Lab File: VX012506.D

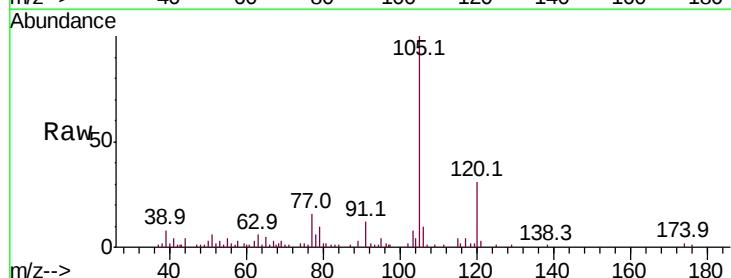
Acq: 19 Sep 2019 04:38

Tgt Ion:105 Resp: 11915

Ion Ratio Lower Upper

105 100

120 31.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.45

10000

8000

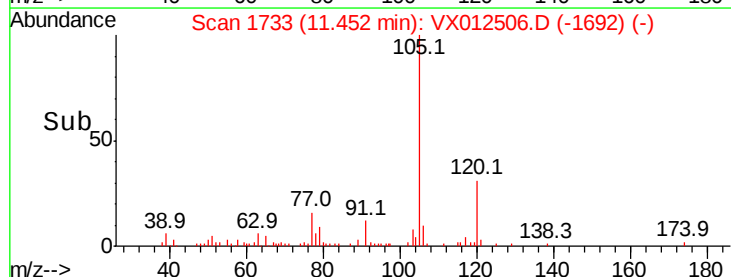
6000

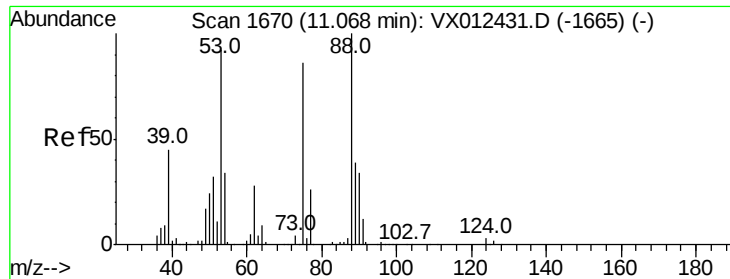
4000

2000

0

Time-->

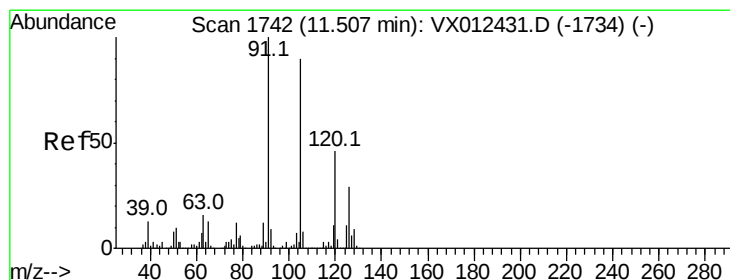
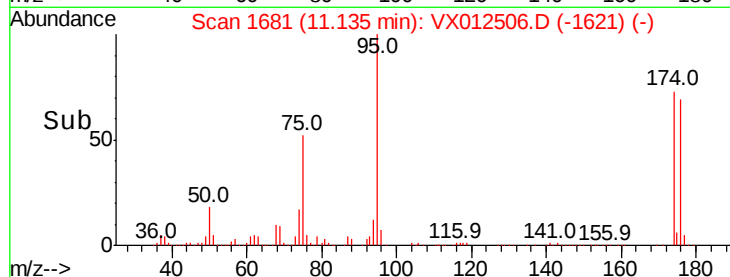
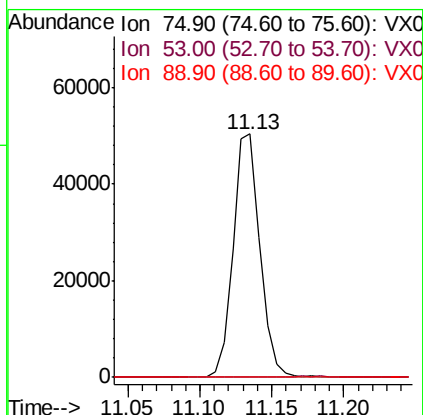
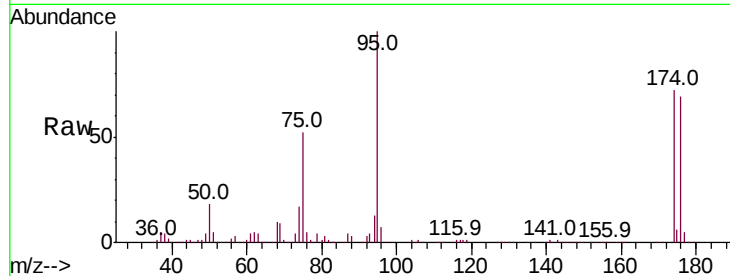




#81
trans-1,4-Dichloro-2-butene
Concen: 70.105 ug/l
RT: 11.13 min Scan# 1681
Delta R.T. 0.07 min
Lab File: VX012506.D
Acq: 19 Sep 2019 04:38

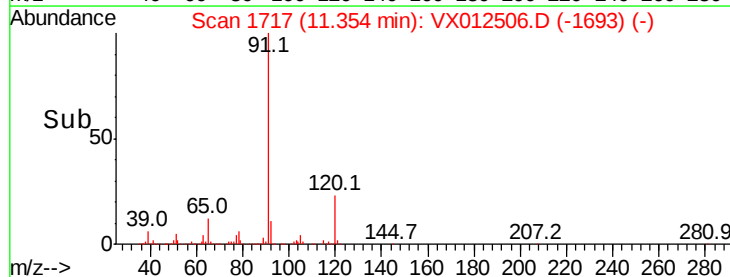
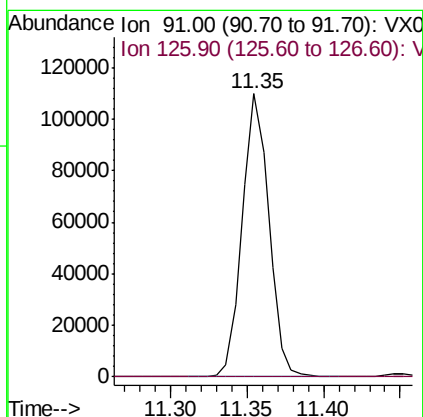
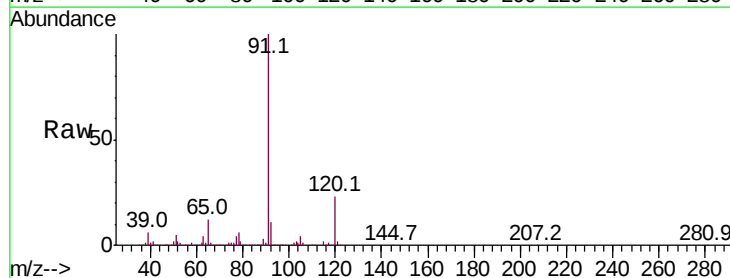
Instrument :
MSVOA_X
ClientSampleId :
S13-0282DL

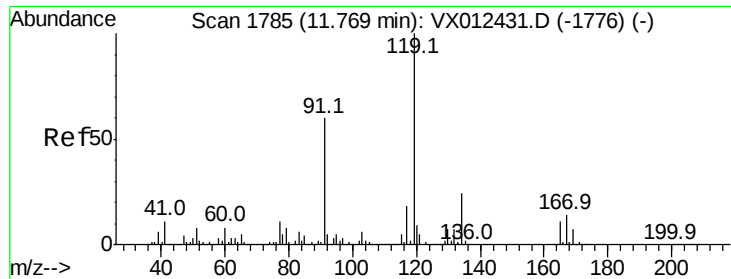
Tot Ion: 75 Resp: 65716
Ion Ratio Lower Upper
75 100
53 0.2 83.6 125.4#
89 0.0 36.3 54.5#



#82
4-Chlorotoluene
Concen: 23.171 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. -0.15 min
Lab File: VX012506.D
Acq: 19 Sep 2019 04:38

Tgt Ion: 91 Resp: 133024
Ion Ratio Lower Upper
91 100
126 0.0 14.4 43.0#





#83

tert-Butylbenzene

Concen: 0.662 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX012506.D

Acq: 19 Sep 2019 04:38

Instrument :

MSVOA_X

ClientSampleId :

S13-0282DL

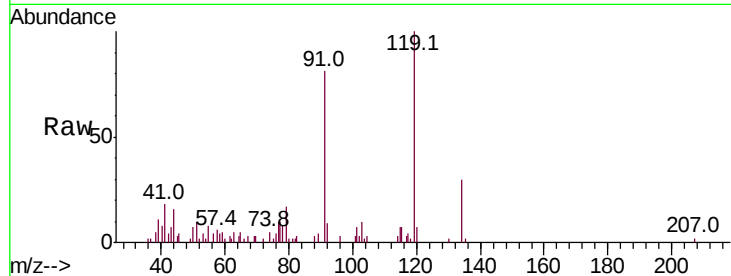
Tot Ion:119 Resp: 4171

Ion Ratio Lower Upper

119 100

91 64.3 30.0 90.0

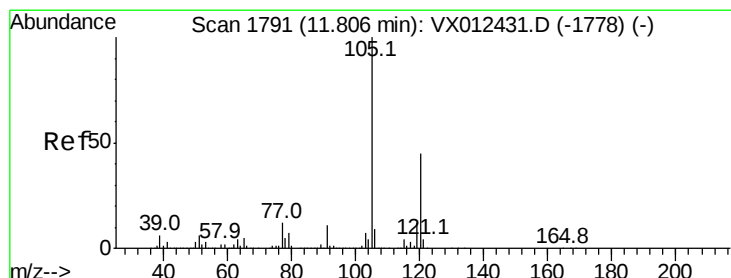
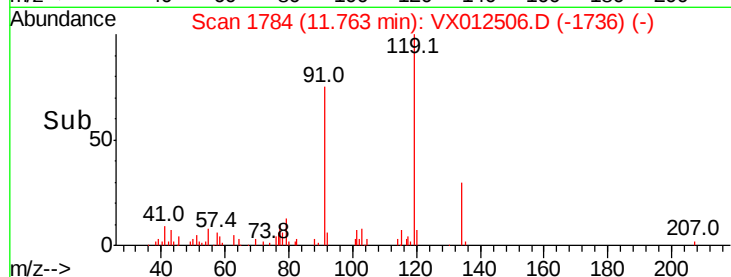
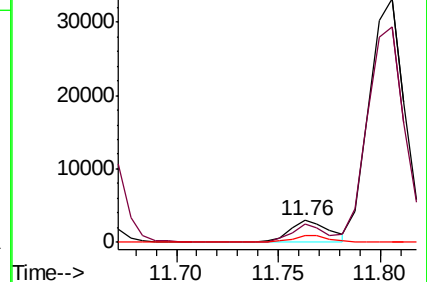
134 26.8 11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 56.200 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX012506.D

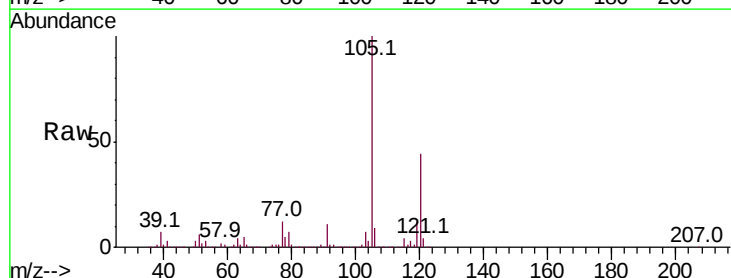
Acq: 19 Sep 2019 04:38

Tgt Ion:105 Resp: 339510

Ion Ratio Lower Upper

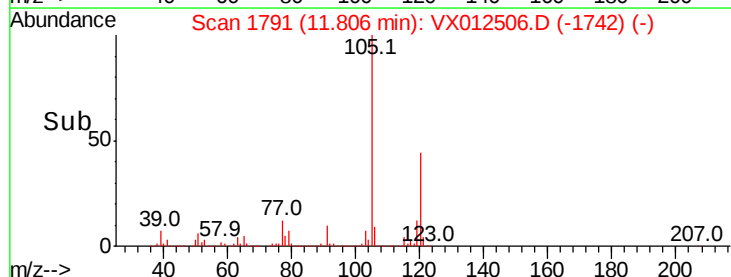
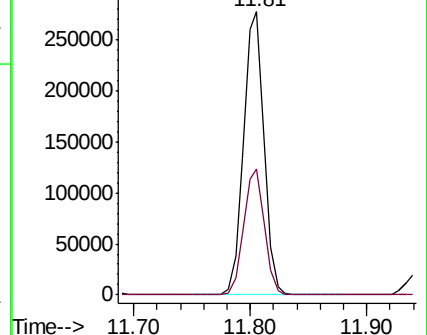
105 100

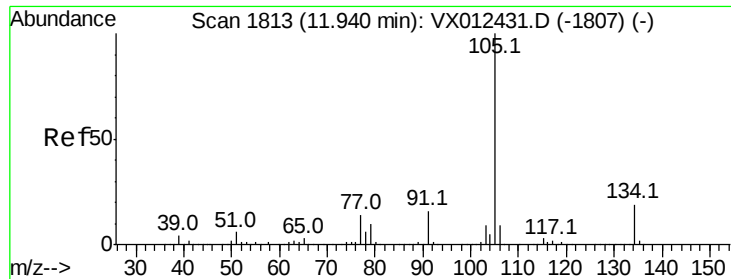
120 44.9 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 3.442 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012506.D

Acq: 19 Sep 2019 04:38

Instrument :

MSVOA_X

ClientSampleId :

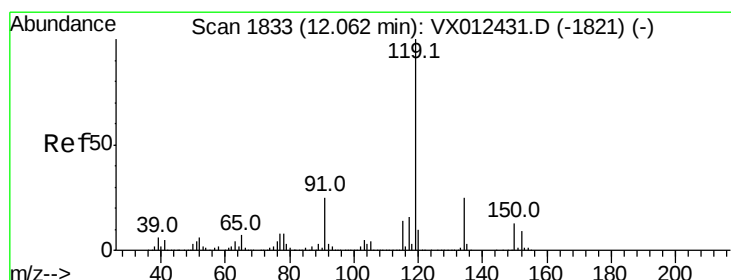
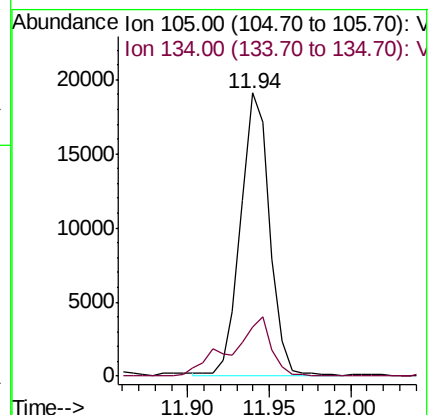
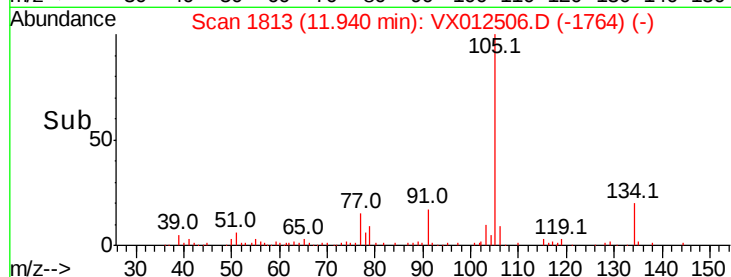
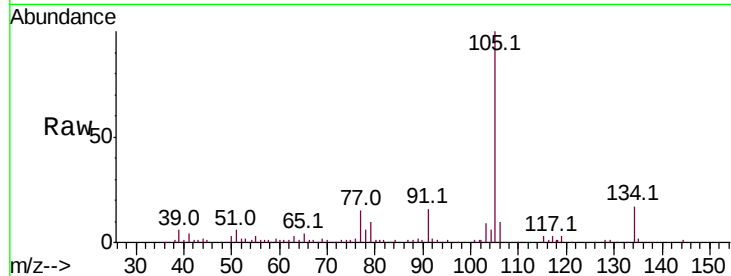
S13-0282DL

Tot Ion:105 Resp: 23910

Ion Ratio Lower Upper

105 100

134 28.5 9.8 29.4



#86

p-Isopropyltoluene

Concen: 0.950 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012506.D

Acq: 19 Sep 2019 04:38

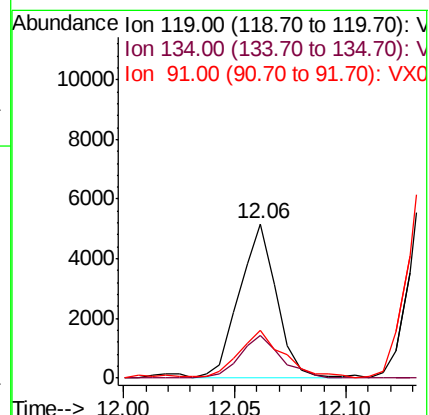
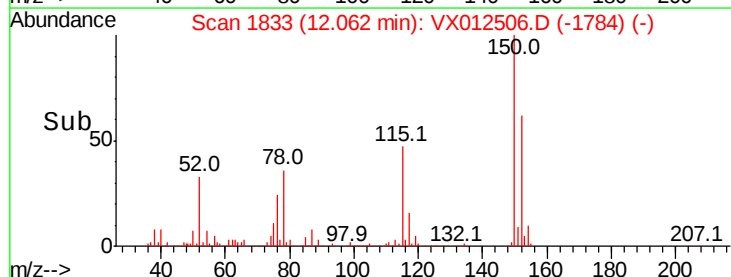
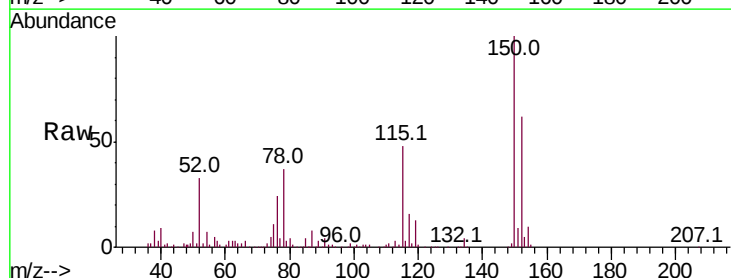
Tgt Ion:119 Resp: 6061

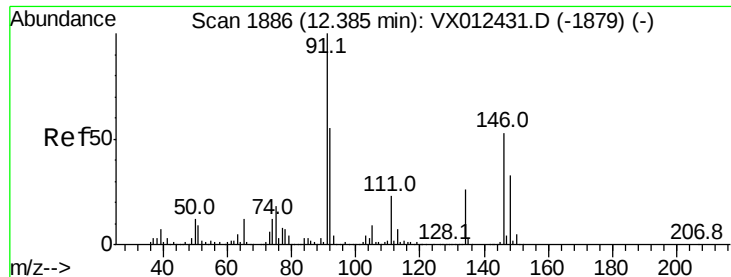
Ion Ratio Lower Upper

119 100

134 30.5 12.7 38.1

91 37.1 12.8 38.4





#89

n-Butylbenzene

Concen: 1.505 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX012506.D

Acq: 19 Sep 2019 04:38

Instrument :

MSVOA_X

ClientSampleID :

S13-0282DL

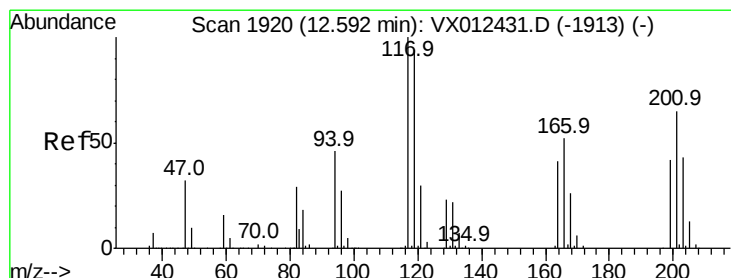
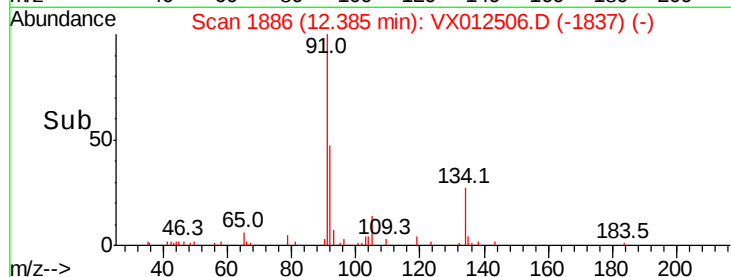
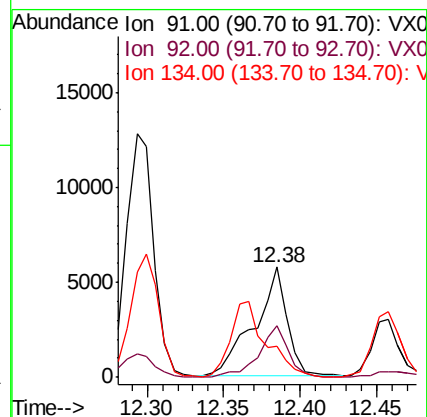
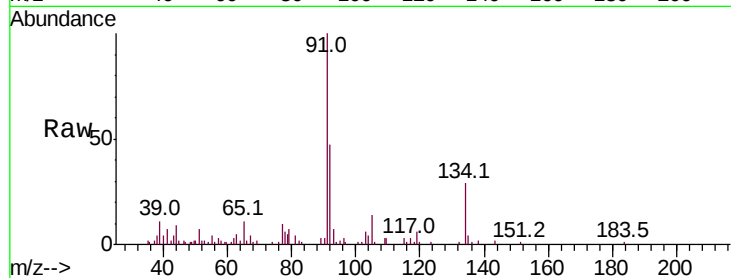
Tot Ion: 91 Resp: 8568

Ion Ratio Lower Upper

91 100

92 42.3 27.7 83.0

134 75.4 12.9 38.6#



#90

Hexachloroethane

Concen: 2.030 ug/l

RT: 12.59 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VX012506.D

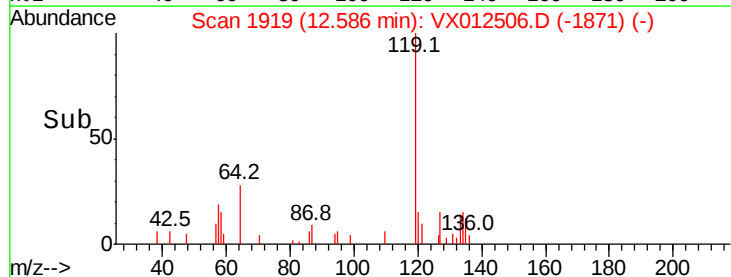
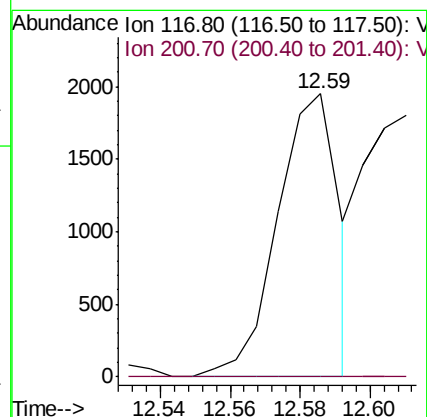
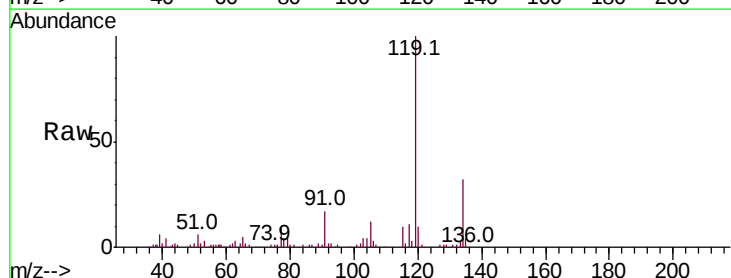
Acq: 19 Sep 2019 04:38

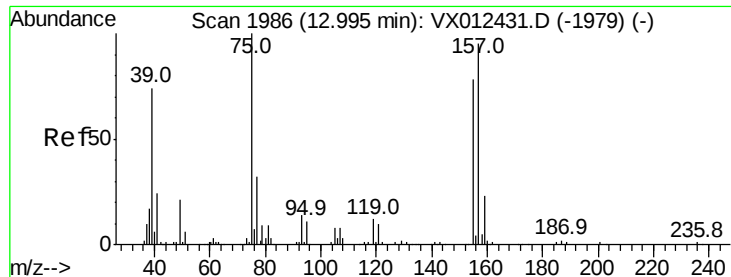
Tgt Ion: 117 Resp: 2375

Ion Ratio Lower Upper

117 100

201 0.0 33.3 99.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.630 ug/l

RT: 12.98 min Scan# 1983

Delta R.T. -0.02 min

Lab File: VX012506.D

Acq: 19 Sep 2019 04:38

Instrument :

MSVOA_X

ClientSampleId :

S13-0282DL

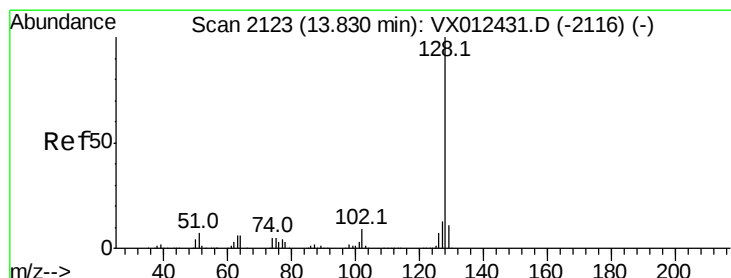
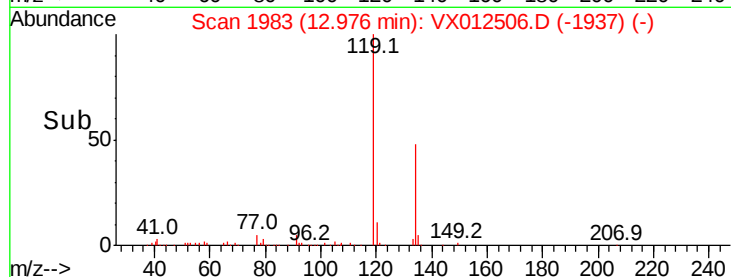
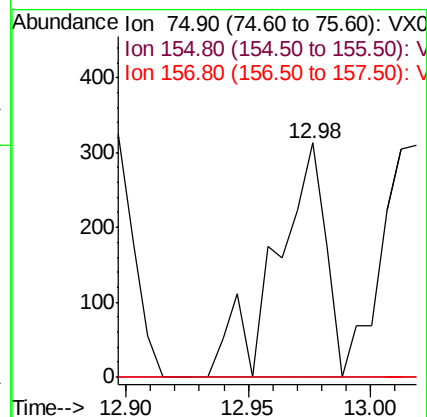
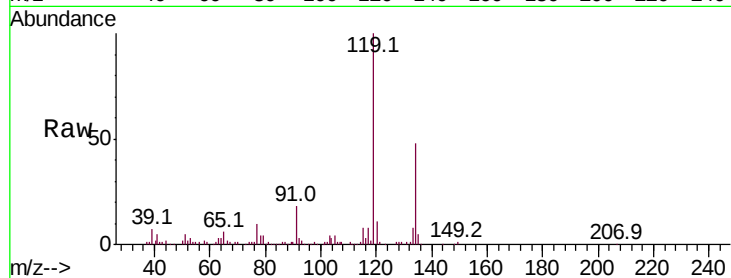
Tot Ion: 75 Resp: 442

Ion Ratio Lower Upper

75 100

155 0.0 38.6 115.8#

157 0.0 50.6 151.9#



#95

Naphthalene

Concen: 9.186 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012506.D

Acq: 19 Sep 2019 04:38

Tgt Ion:128 Resp: 69646

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 12.4 8.8 13.2

