

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
 Data File : VX012561.D
 Acq On : 20 Sep 2019 16:45
 Operator : JC/SP
 Sample : K4830-04DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0272DL

Quant Time: Sep 21 01:35:16 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	179013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	280181	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	230090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88276	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	115860	45.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.32%	
35) Dibromofluoromethane	5.49	113	83348	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
50) Toluene-d8	8.71	98	324140	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	11.14	95	109349	41.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.92%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.25	85	30	0.416	ug/l #	43
5) Bromomethane	1.64	94	91	0.218	ug/l #	1
6) Chloroethane	1.70	64	280	0.336	ug/l #	61
10) Methyl Iodide	2.50	142	253	4.632	ug/l #	40
11) Tert butyl alcohol	3.01	59	3430	Below Cal	#	72
13) Acrolein	2.28	56	144	Below Cal	#	1
15) Acrylonitrile	3.16	53	1528	1.374	ug/l #	46
16) Acetone	2.44	43	989	Below Cal		97
17) Carbon Disulfide	2.56	76	118	1.878	ug/l #	75
18) Methyl Acetate	2.84	43	8013	2.997	ug/l #	54
20) Methylene Chloride	2.85	84	545	0.351	ug/l #	79
25) 2-Butanone	4.69	43	521	0.293	ug/l #	51
31) Cyclohexane	5.57	56	68007	38.379	ug/l	93
36) 1,1-Dichloropropene	5.65	75	15099	8.867	ug/l #	54
38) Carbon Tetrachloride	5.65	117	19403	9.162	ug/l #	16
39) Methylcyclohexane	7.46	83	90092	54.425	ug/l	99
40) Benzene	6.14	78	3500	0.646	ug/l	97
43) Isopropyl Acetate	6.45	43	1973	0.421	ug/l #	66
44) Trichloroethene	7.20	130	309	0.217	ug/l	90
48) Methyl methacrylate	7.73	41	4755	2.150	ug/l #	57
49) 1,4-Dioxane	7.96	88	44	0.818	ug/l #	1
51) 4-Methyl-2-Pentanone	8.66	43	1636	0.532	ug/l #	48
55) 1,1,2-Trichloroethane	9.16	97	5356	2.980	ug/l #	18
56) Ethyl methacrylate	9.16	69	1479	0.526	ug/l #	20
59) 2-Hexanone	9.44	43	4949	2.062	ug/l #	35
60) Dibromochloromethane	9.32	129	429	0.234	ug/l #	11
64) Tetrachloroethene	9.34	164	442	0.419	ug/l #	56
67) Ethyl Benzene	10.25	91	133621	20.480	ug/l	100
68) m/p-Xylenes	10.36	106	2534	1.067	ug/l	94
71) Bromoform	11.12	173	71	2.919	ug/l #	29
73) Isopropylbenzene	11.01	105	46176	8.337	ug/l	98
74) N-amyl acetate	10.90	43	1484	0.498	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.28	83	1357	0.625	ug/l #	36
76) 1,2,3-Trichloropropane	11.14	75	56757	27.990	ug/l #	38

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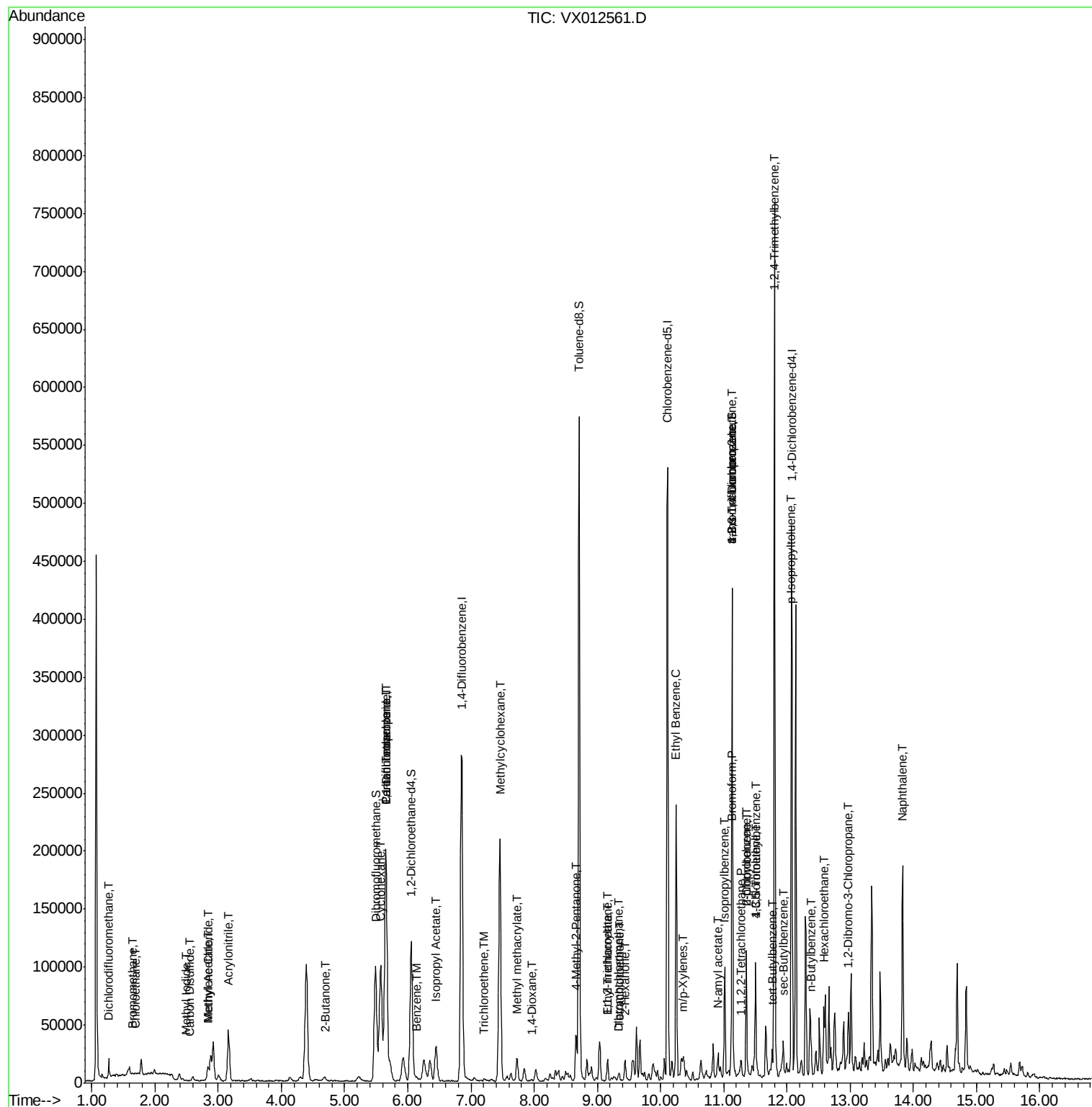
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) n-propylbenzene	11.35	91	64463	10.442	ug/l	98
79) 2-Chlorotoluene	11.35	91	64463	16.051	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.50	105	39572	8.377	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.14	75	56757	75.181	ug/l #	8
82) 4-Chlorotoluene	11.50	91	4890	1.061	ug/l #	47
83) tert-Butylbenzene	11.76	119	1428	0.282	ug/l	79
84) 1,2,4-Trimethylbenzene	11.81	105	329710	67.979	ug/l	98
85) sec-Butylbenzene	11.94	105	11009	1.974	ug/l #	77
86) p-Isopropyltoluene	12.06	119	7453	1.455	ug/l	88
89) n-Butylbenzene	12.39	91	9351	2.046	ug/l #	49
90) Hexachloroethane	12.58	117	2558	2.724	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	12.98	75	279	0.495	ug/l #	9
95) Naphthalene	13.83	128	105672	17.361	ug/l	99

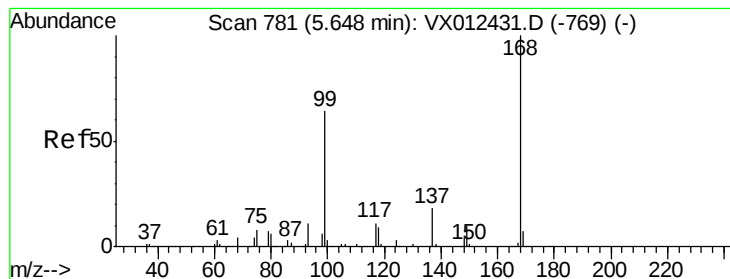
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092019\
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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: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

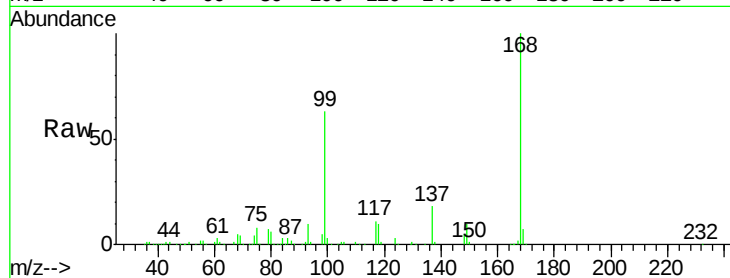
S13-0272DL

Tot Ion:168 Resp: 179013

Ion Ratio Lower Upper

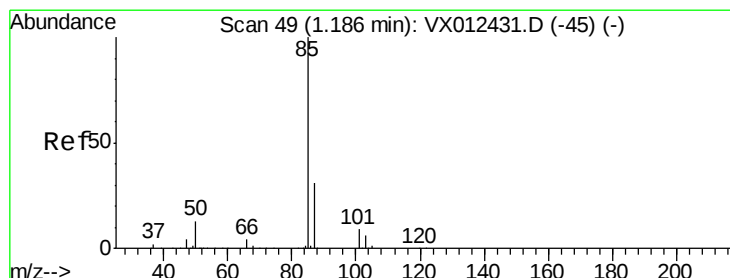
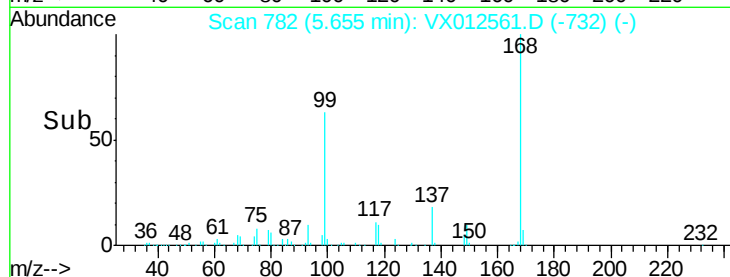
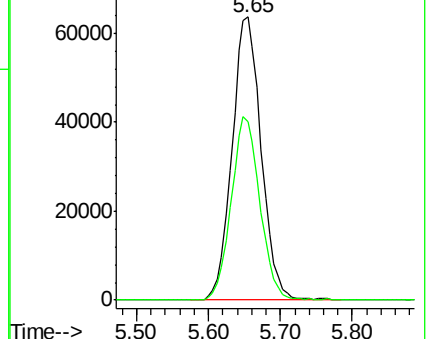
168 100

99 62.8 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: 0.416 ug/l

RT: 1.25 min Scan# 60

Delta R.T. 0.07 min

Lab File: VX012561.D

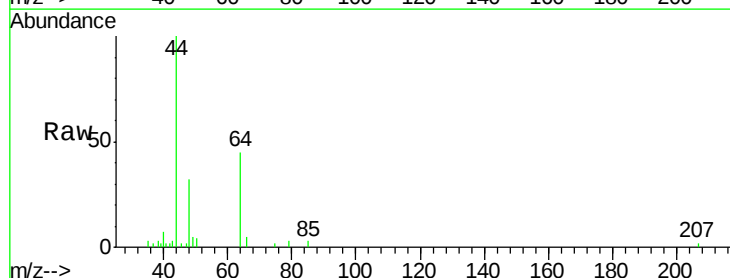
Acq: 20 Sep 2019 16:45

Tgt Ion: 85 Resp: 30

Ion Ratio Lower Upper

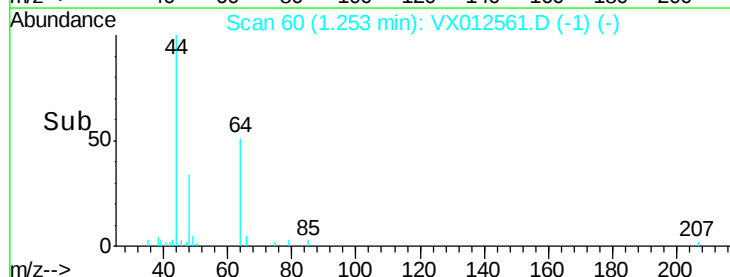
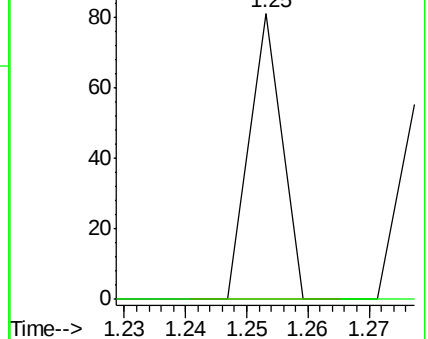
85 100

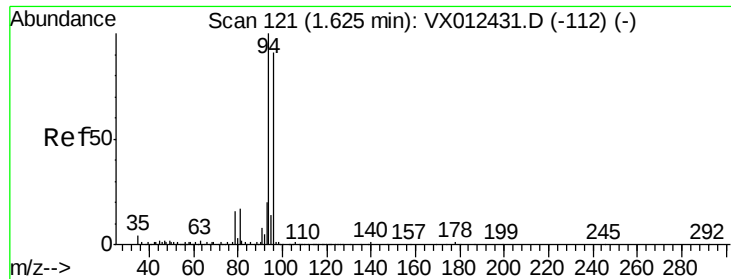
87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: 0.218 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampled :

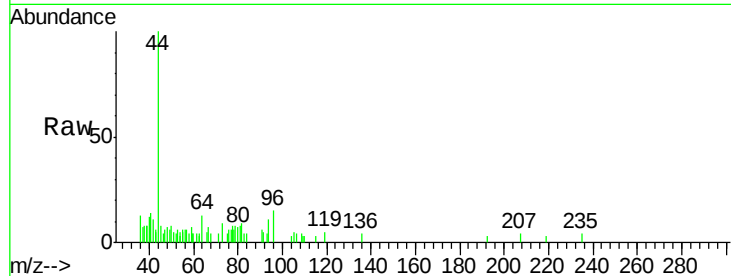
S13-0272DL

Tot Ion: 94 Resp: 91

Ion Ratio Lower Upper

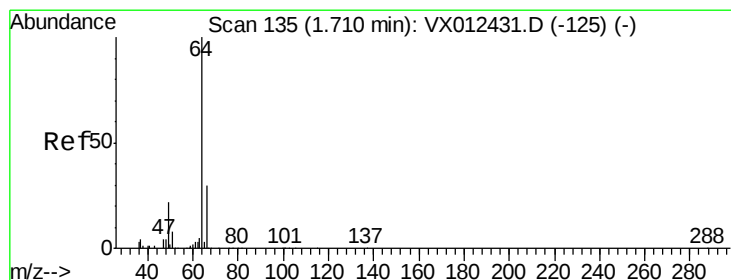
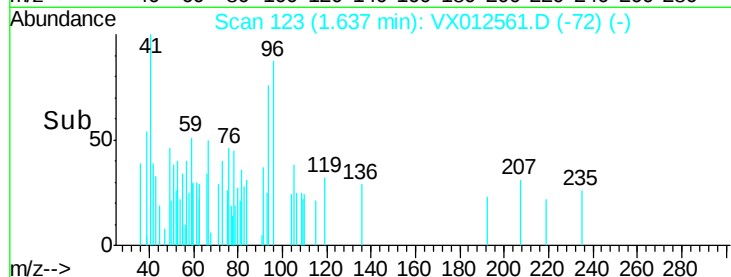
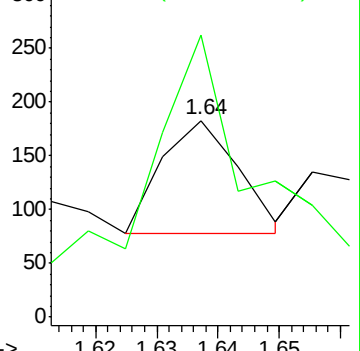
94 100

96 190.5 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.336 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX012561.D

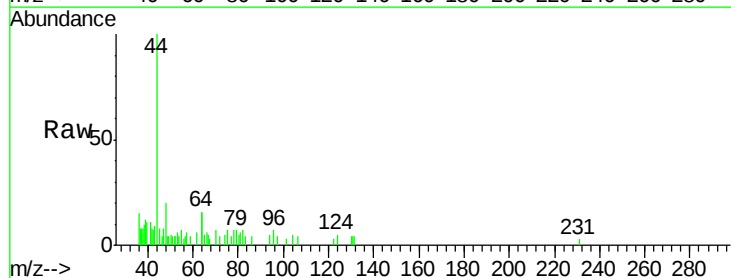
Acq: 20 Sep 2019 16:45

Tgt Ion: 64 Resp: 280

Ion Ratio Lower Upper

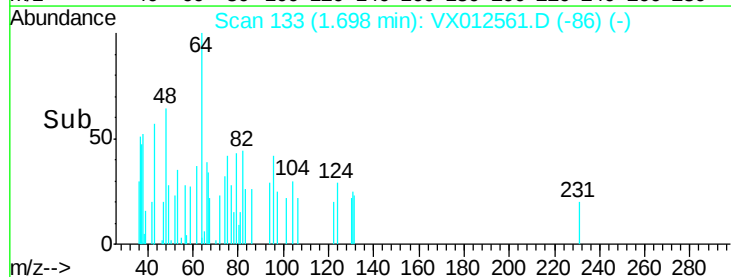
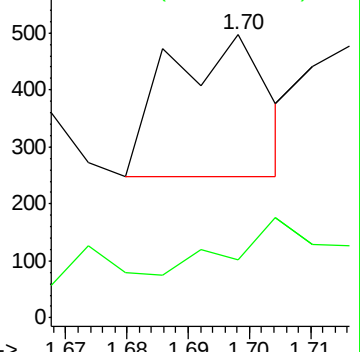
64 100

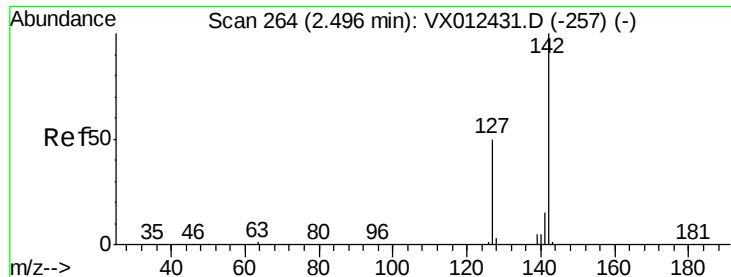
66 8.8 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

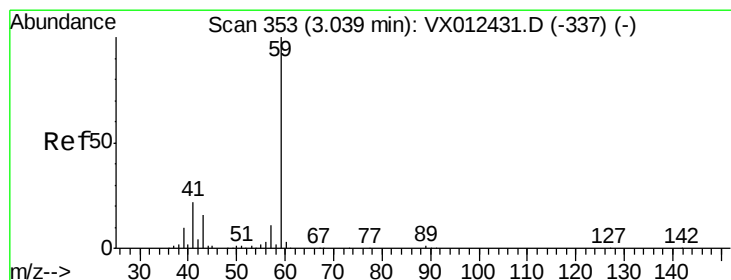
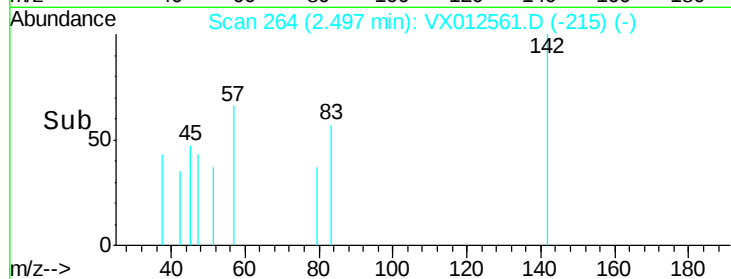
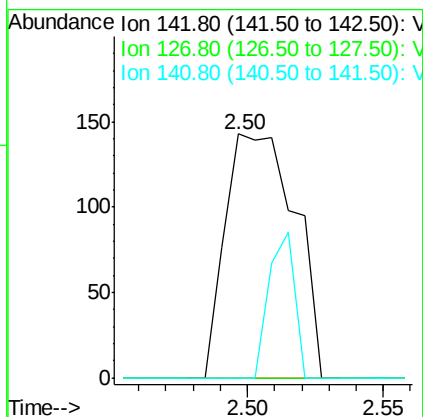
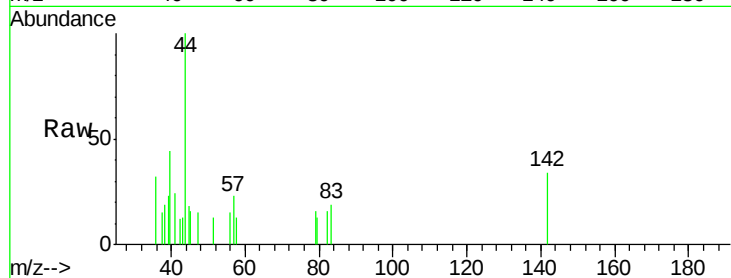




#10
Methvl Iodide
Concen: 4.632 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX012561.D
Acq: 20 Sep 2019 16:45

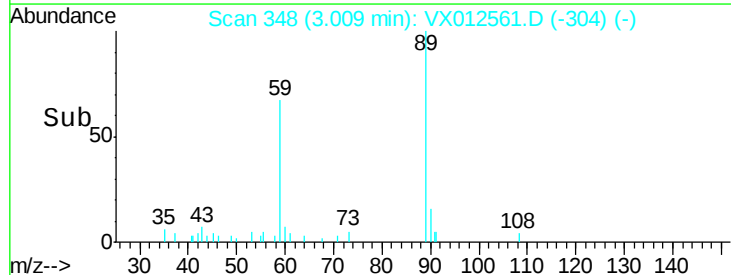
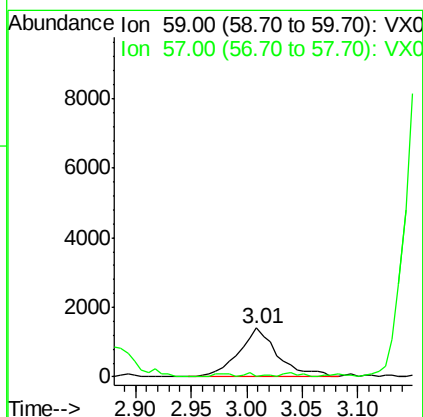
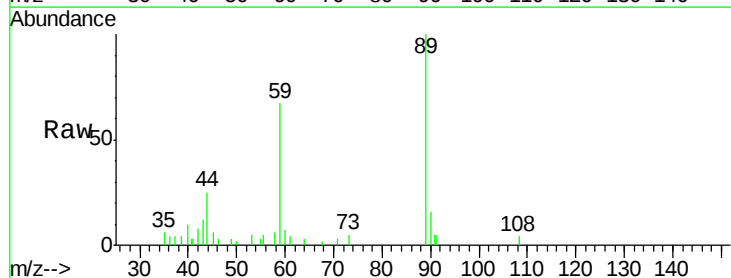
Instrument :
MSVOA_X
ClientSampleId :
S13-0272DL

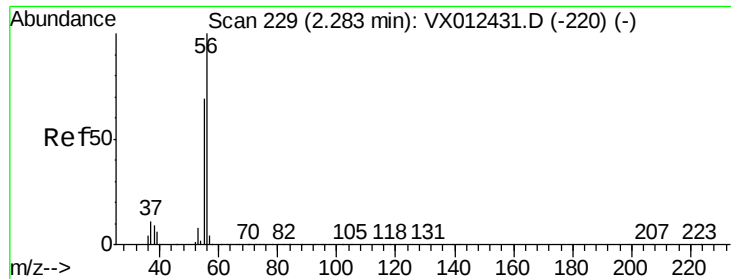
Tot Ion:142 Resp: 253
Ion Ratio Lower Upper
142 100
127 0.0 40.8 61.2#
141 22.1 12.1 18.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012561.D
Acq: 20 Sep 2019 16:45

Tgt Ion: 59 Resp: 3430
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: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampled :

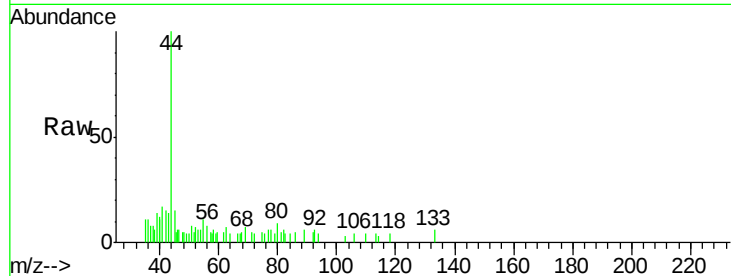
S13-0272DL

Tot Ion: 56 Resp: 144

Ion Ratio Lower Upper

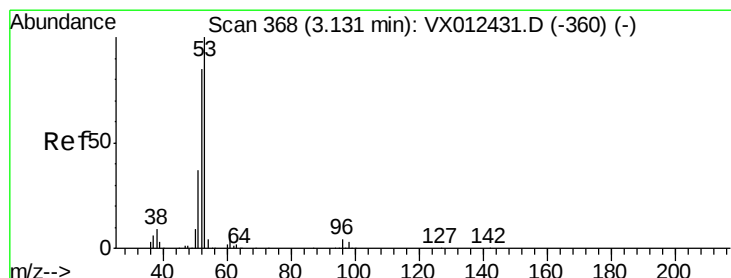
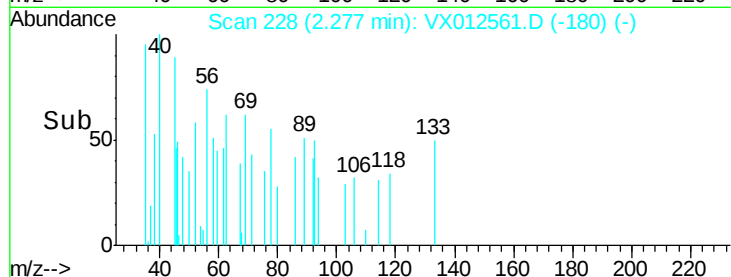
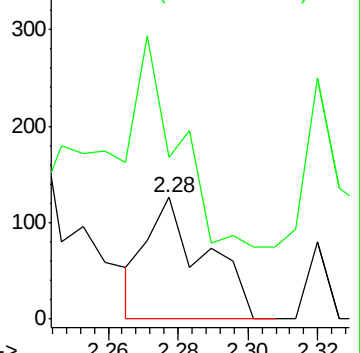
56 100

55 434.7 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: 1.374 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.02 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

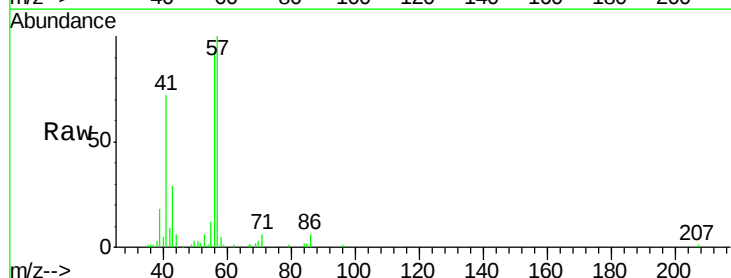
Tgt Ion: 53 Resp: 1528

Ion Ratio Lower Upper

53 100

52 30.5 67.0 100.4#

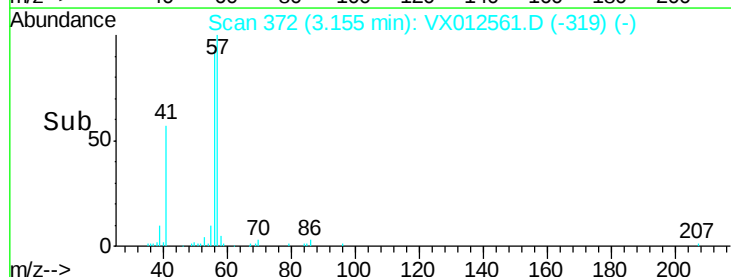
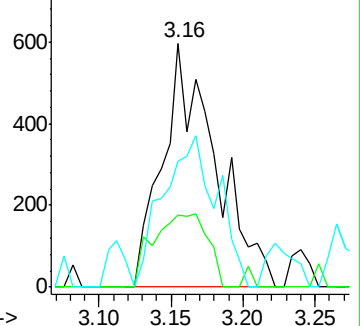
51 63.0 29.6 44.4#

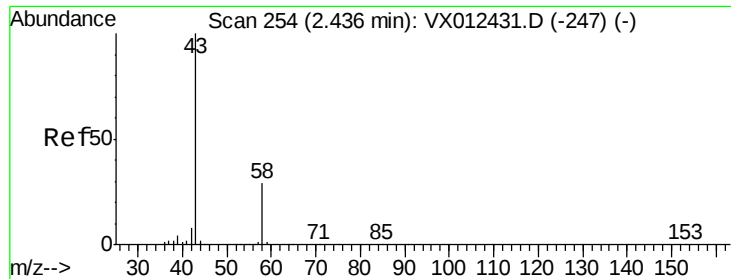


Abundance Ion 53.00 (52.70 to 53.70): VX0

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# 254

Delta R.T. 0.00 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampled :

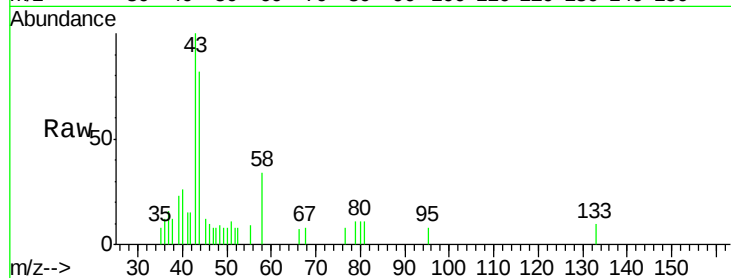
S13-0272DL

Tot Ion: 43 Resp: 989

Ion Ratio Lower Upper

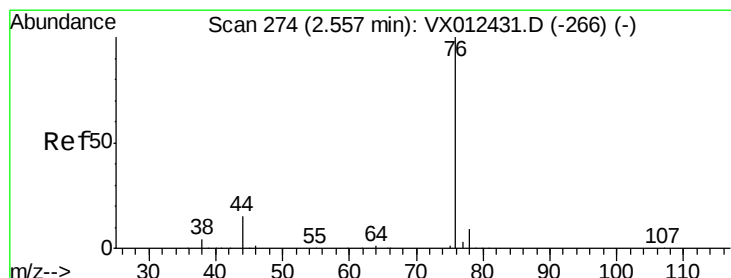
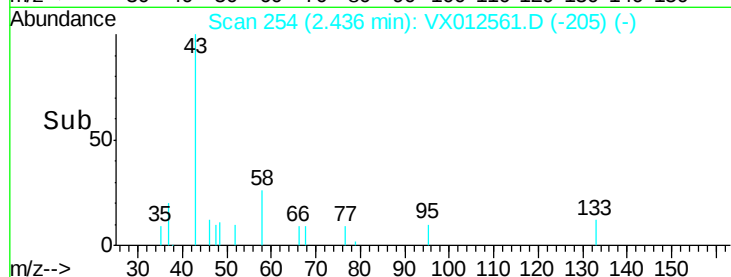
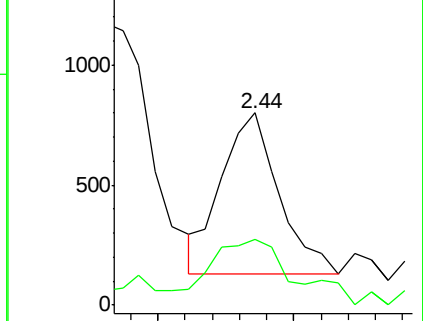
43 100

58 30.8 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 1.878 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012561.D

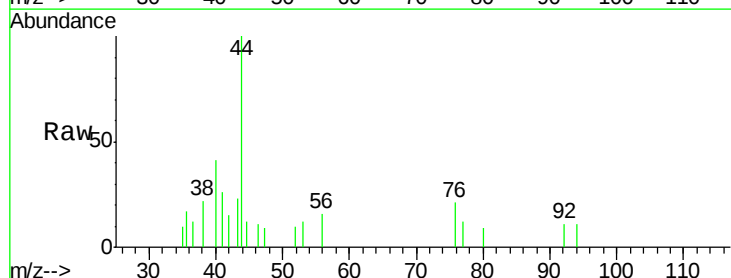
Acq: 20 Sep 2019 16:45

Tgt Ion: 76 Resp: 118

Ion Ratio Lower Upper

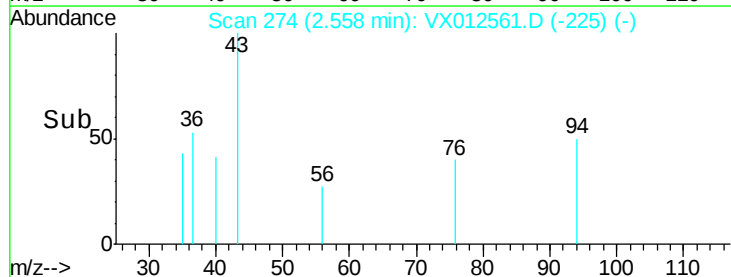
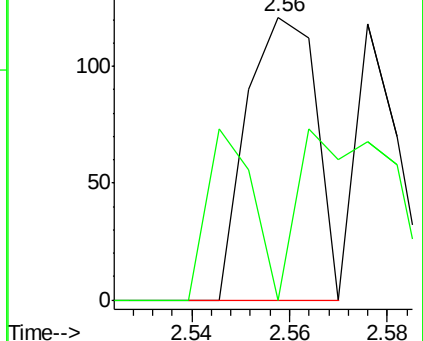
76 100

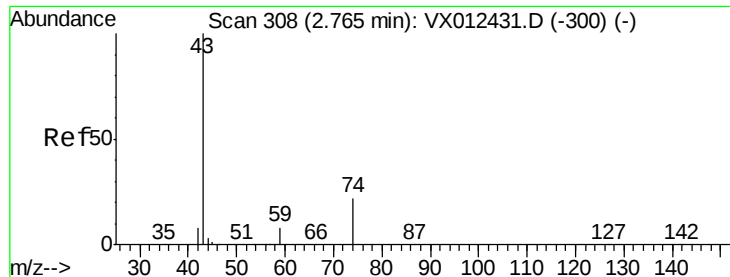
78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

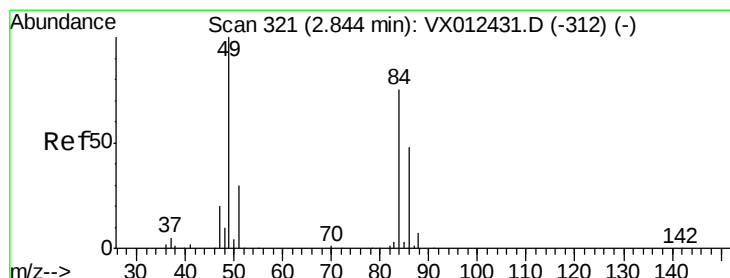
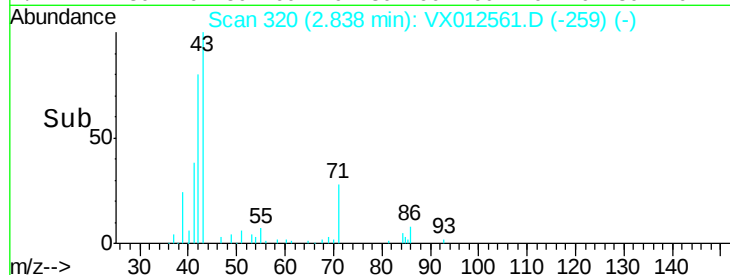
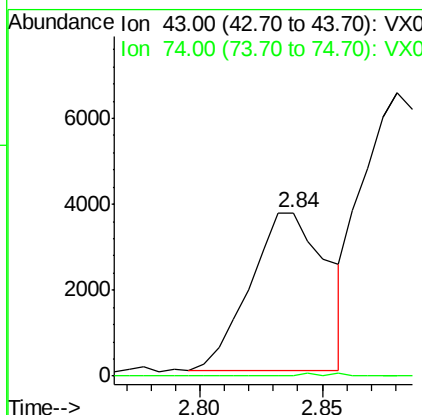
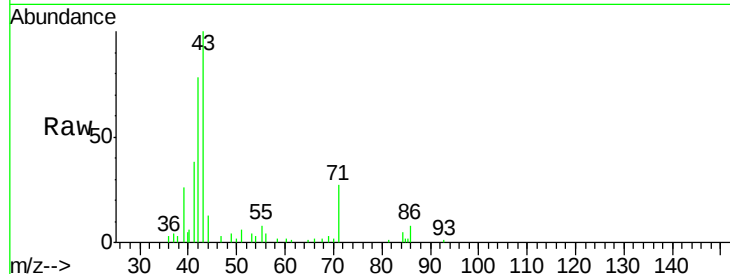




#18
Methvl Acetate
Concen: 2.997 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.07 min
Lab File: VX012561.D
Acq: 20 Sep 2019 16:45

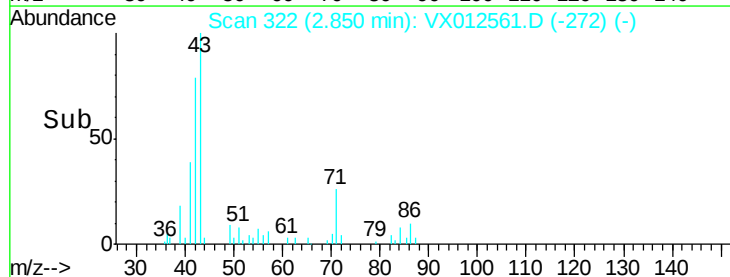
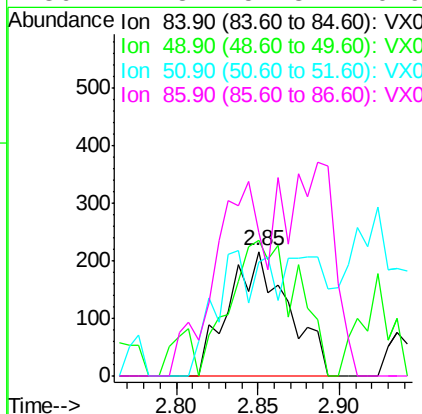
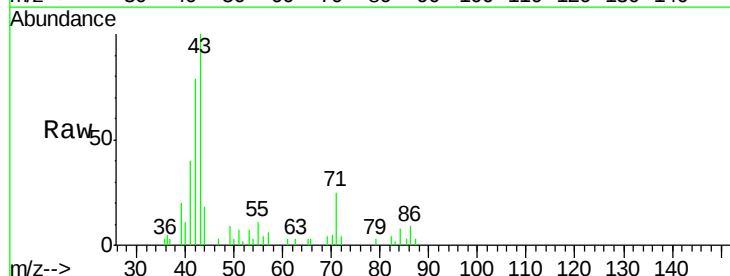
Instrument :
MSVOA_X
ClientSampleId :
S13-0272DL

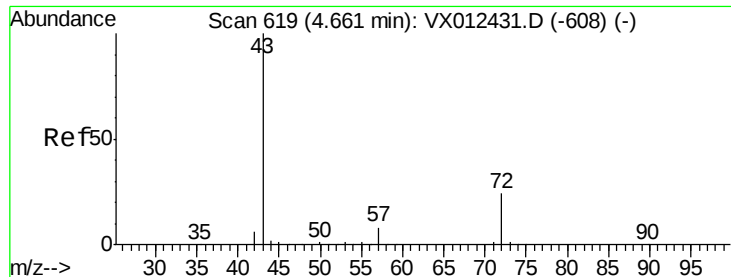
Tot Ion: 43 Resp: 8013
Ion Ratio Lower Upper
43 100
74 0.3 17.7 26.5#



#20
Methylene Chloride
Concen: 0.351 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012561.D
Acq: 20 Sep 2019 16:45

Tgt Ion: 84 Resp: 545
Ion Ratio Lower Upper
84 100
49 109.7 106.8 160.2
51 67.6 32.3 48.5#
86 71.8 51.3 76.9





#25

2-Butanone

Concen: 0.293 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.02 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

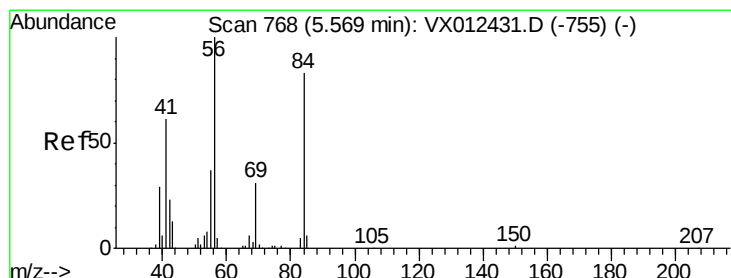
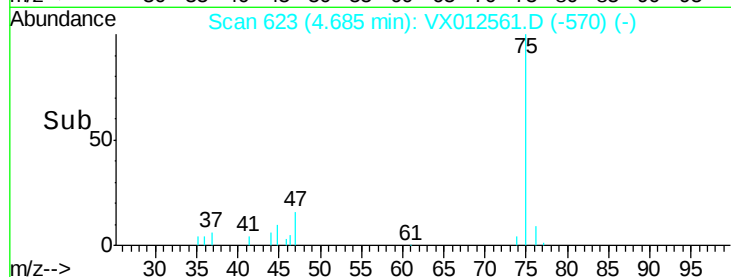
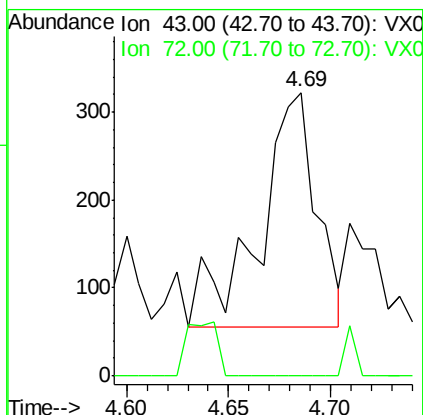
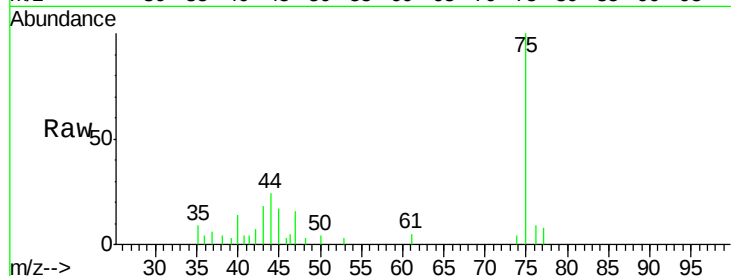
S13-0272DL

Tot Ion: 43 Resp: 521

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



#31

Cyclohexane

Concen: 38.379 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

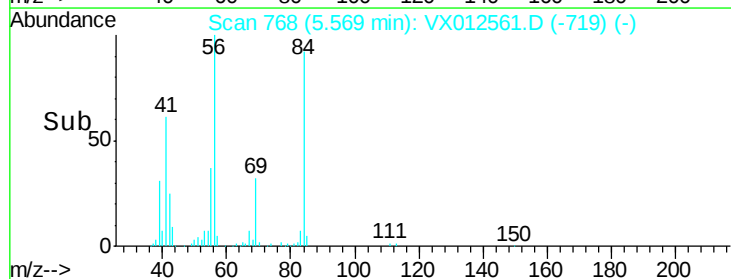
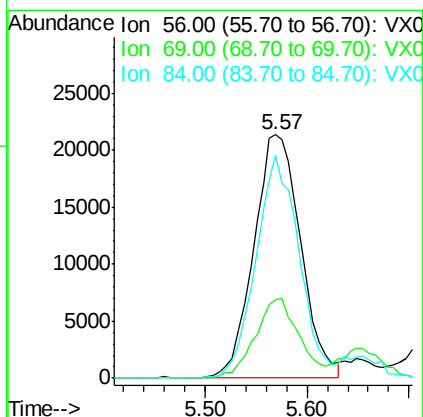
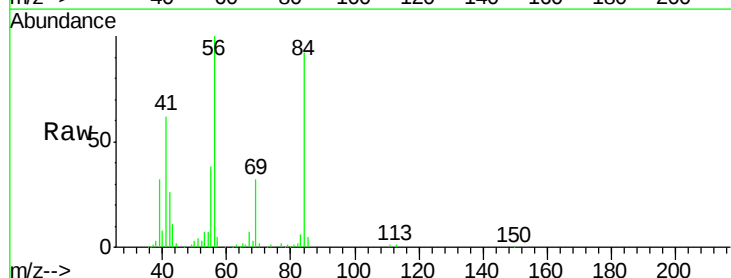
Tgt Ion: 56 Resp: 68007

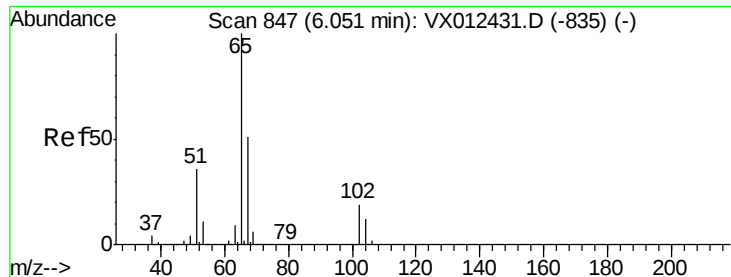
Ion Ratio Lower Upper

56 100

69 31.8 25.0 37.6

84 91.7 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 45.159 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

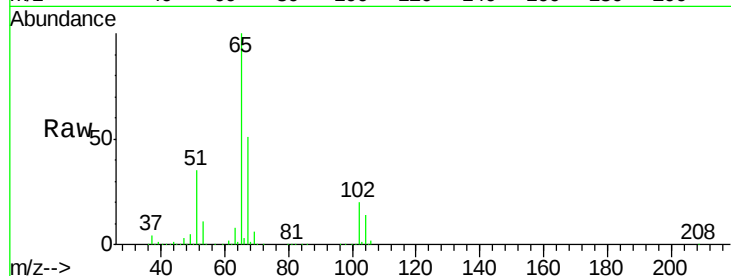
S13-0272DL

Tot Ion: 65 Resp: 115860

Ion Ratio Lower Upper

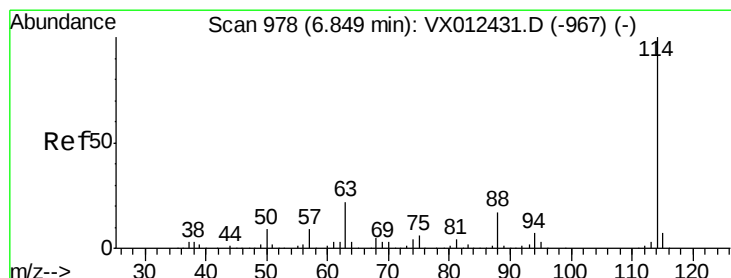
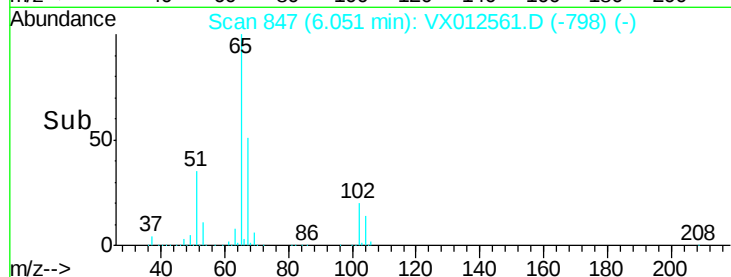
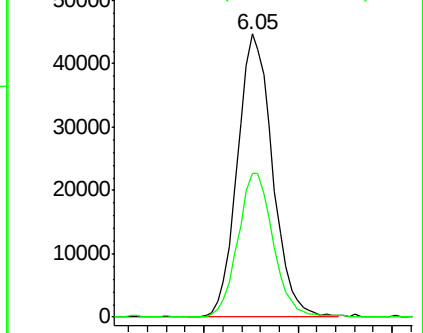
65 100

67 51.1 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: VX012561.D

Acq: 20 Sep 2019 16:45

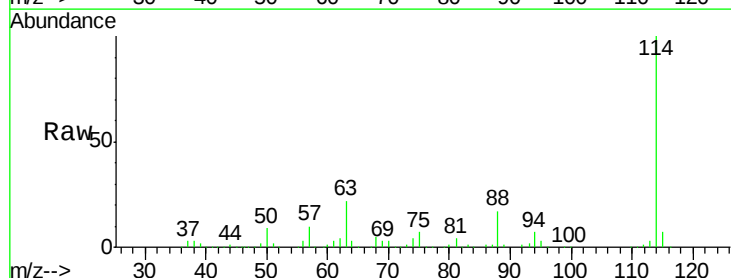
Tgt Ion: 114 Resp: 280181

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.2

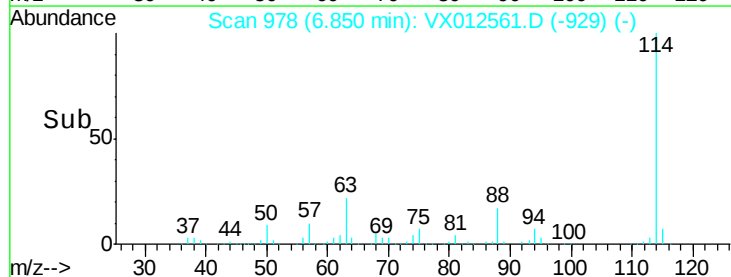
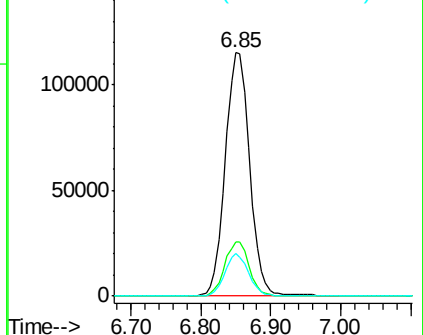
88 17.4 0.0 33.2

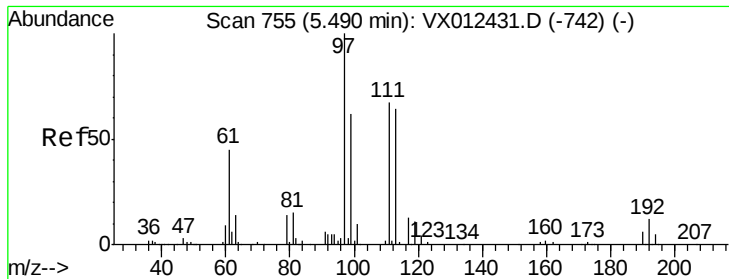


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.149 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

S13-0272DL

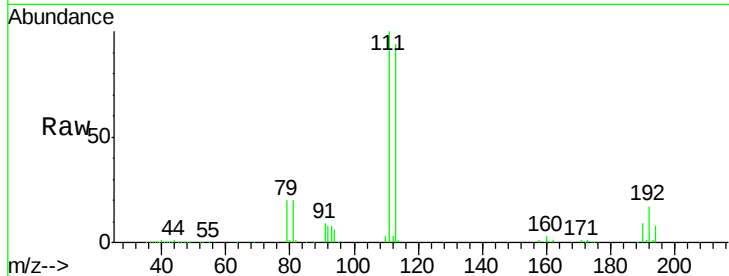
Tot Ion:113 Resp: 83348

Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.2

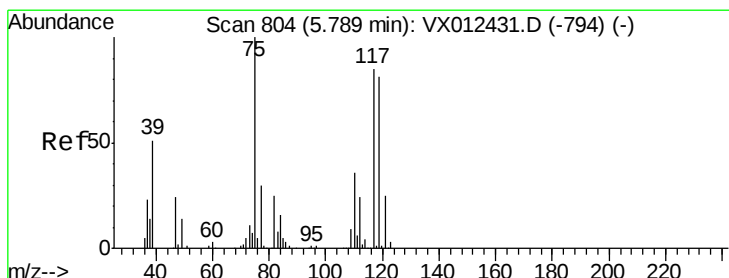
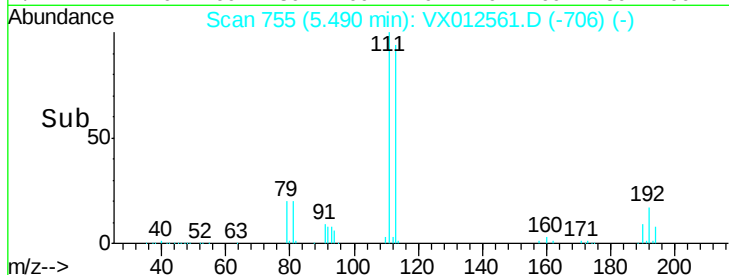
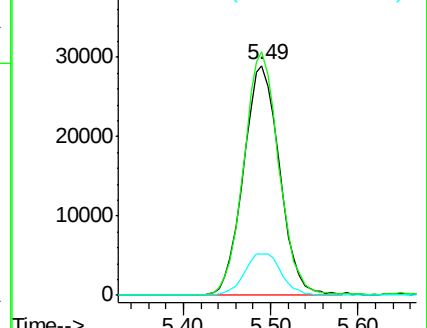
192 18.6 14.4 21.6



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: 8.867 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

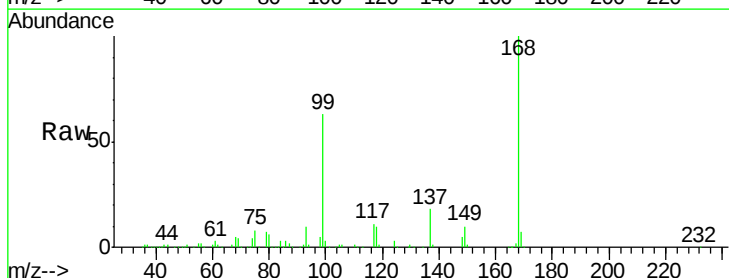
Tgt Ion: 75 Resp: 15099

Ion Ratio Lower Upper

75 100

110 12.0 16.7 50.0#

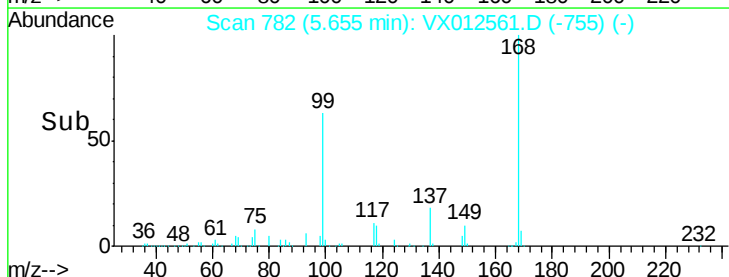
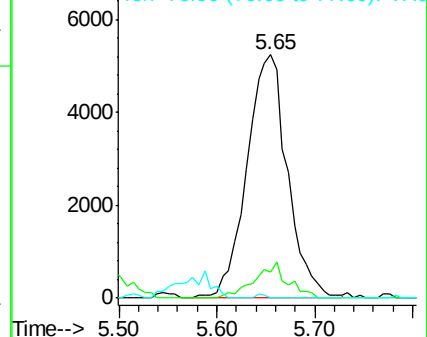
77 0.4 24.2 36.2#

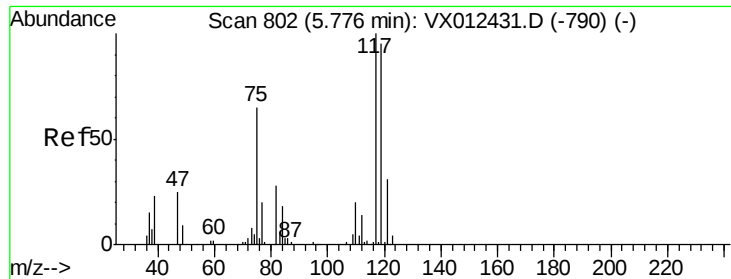


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

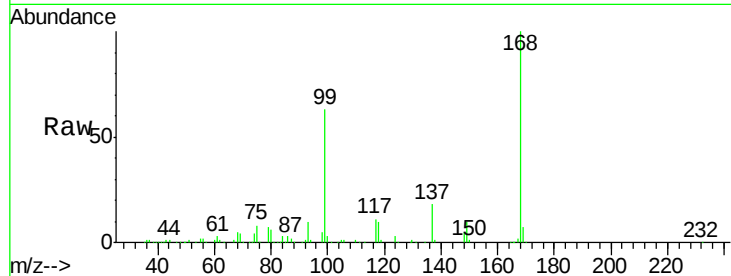




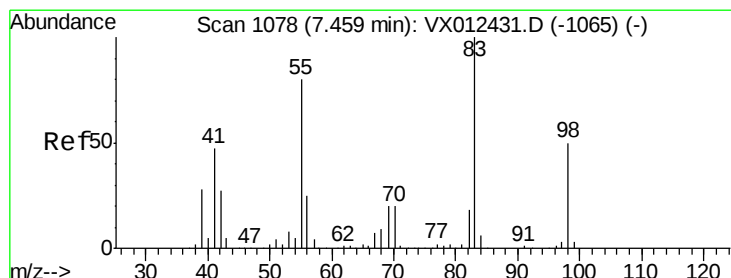
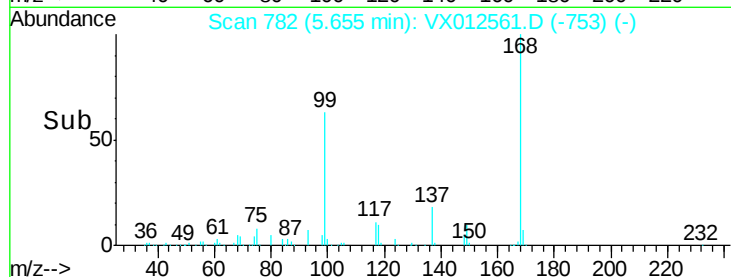
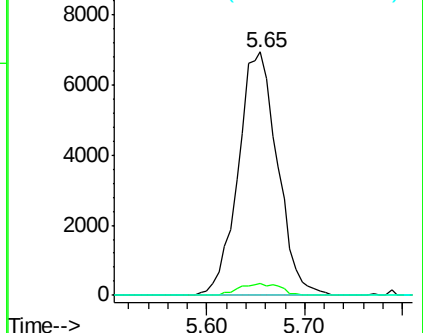
#38
Carbon Tetrachloride
Concen: 9.162 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012561.D
Acq: 20 Sep 2019 16:45

Instrument :
MSVOA_X
ClientSampleId :
S13-0272DL

Tot Ion:117 Resp: 19403
Ion Ratio Lower Upper
117 100
119 4.9 75.7 113.5#
121 0.0 24.2 36.4#

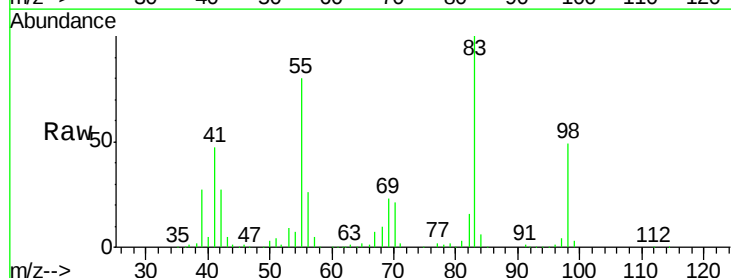


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

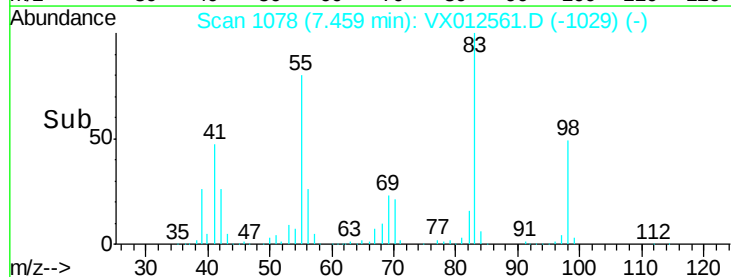
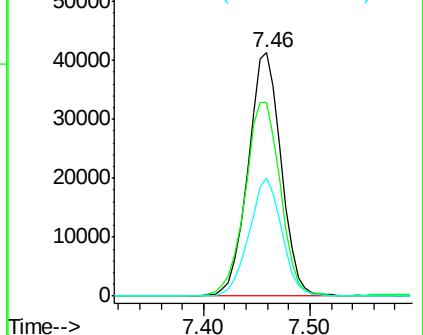


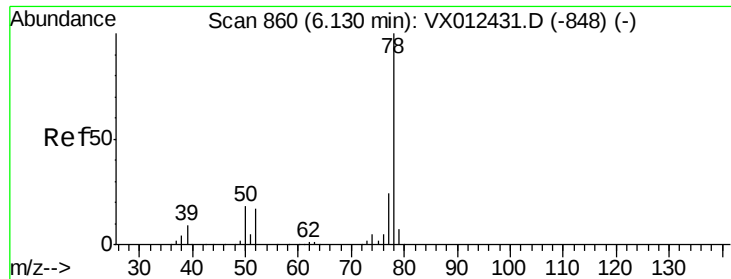
#39
Methylcyclohexane
Concen: 54.425 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012561.D
Acq: 20 Sep 2019 16:45

Tgt Ion: 83 Resp: 90092
Ion Ratio Lower Upper
83 100
55 79.6 64.4 96.6
98 48.7 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





#40

Benzene

Concen: 0.646 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampleID :

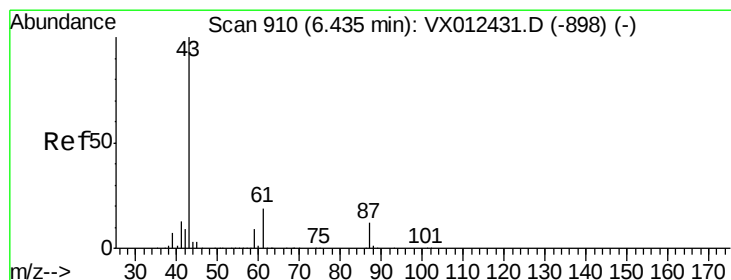
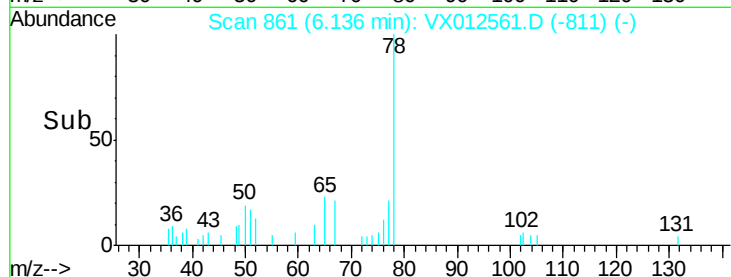
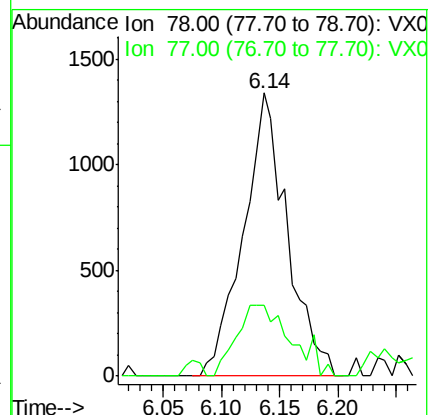
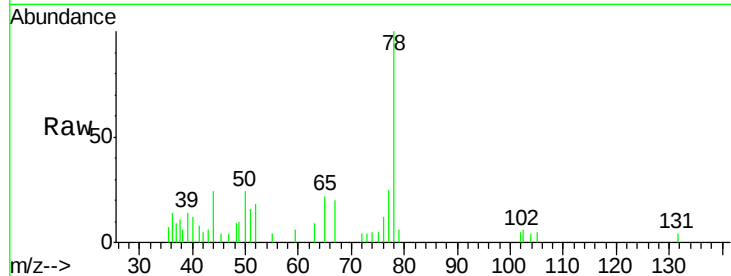
S13-0272DL

Tot Ion: 78 Resp: 3500

Ion Ratio Lower Upper

78 100

77 25.2 19.2 28.8



#43

Isopropyl Acetate

Concen: 0.421 ug/l

RT: 6.45 min Scan# 913

Delta R.T. 0.02 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

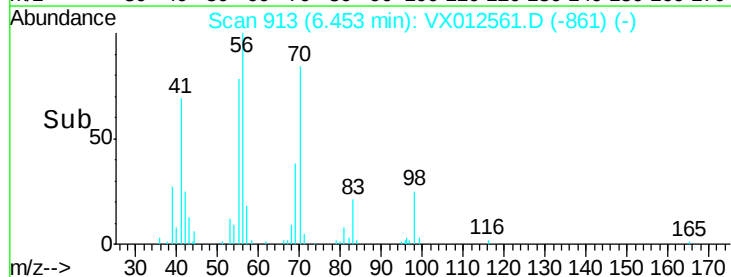
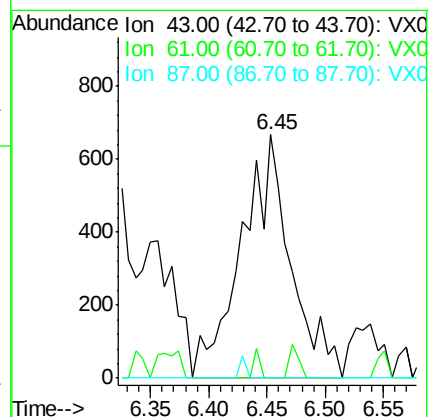
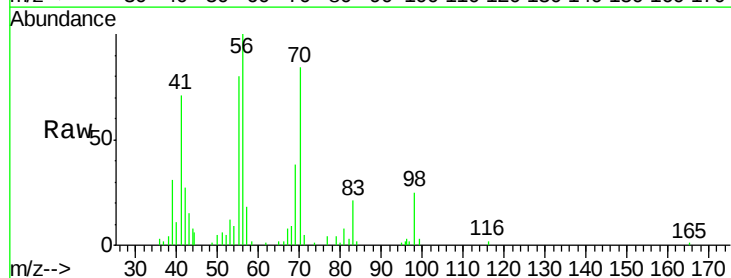
Tgt Ion: 43 Resp: 1973

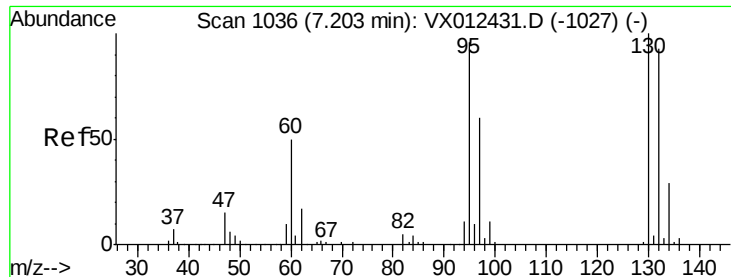
Ion Ratio Lower Upper

43 100

61 2.7 15.4 23.0#

87 0.0 9.8 14.8#





#44

Trichloroethene

Concen: 0.217 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampled :

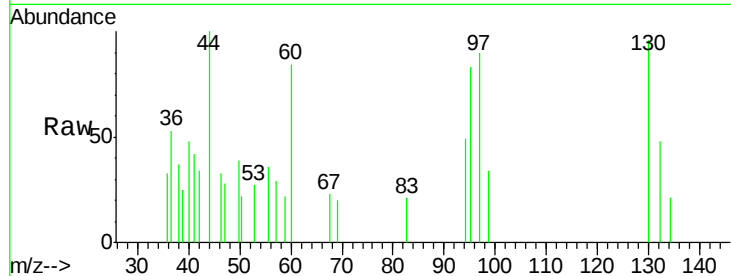
S13-0272DL

Tot Ion:130 Resp: 309

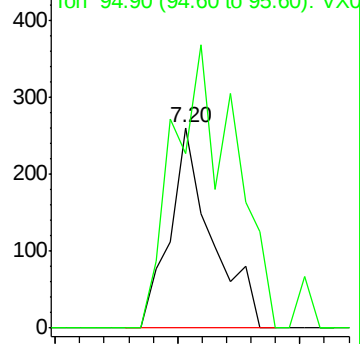
Ion Ratio Lower Upper

130 100

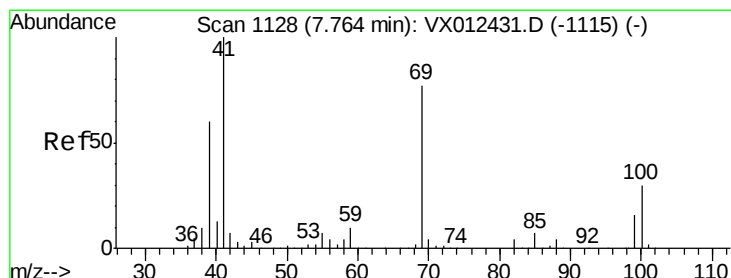
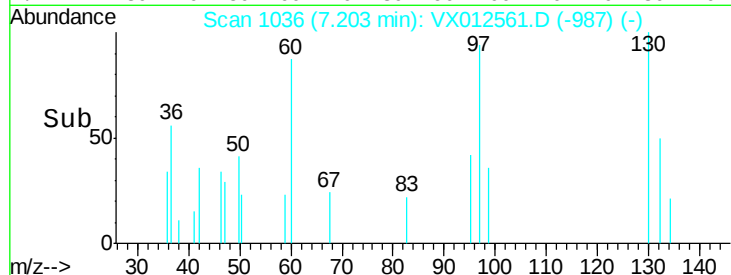
95 87.0 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V



Time--> 7.15 7.20 7.25



#48

Methyl methacrylate

Concen: 2.150 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.03 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

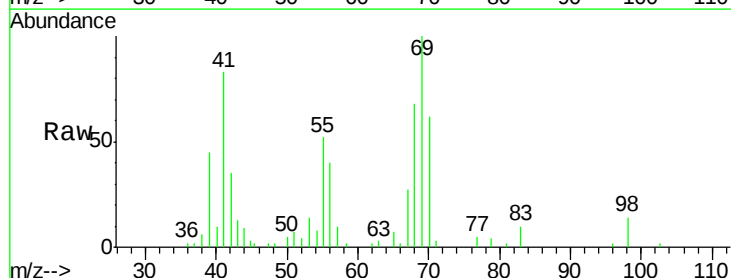
Tgt Ion: 41 Resp: 4755

Ion Ratio Lower Upper

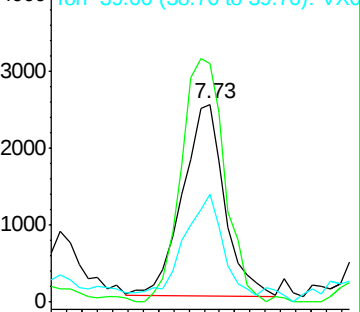
41 100

69 132.6 59.9 89.9#

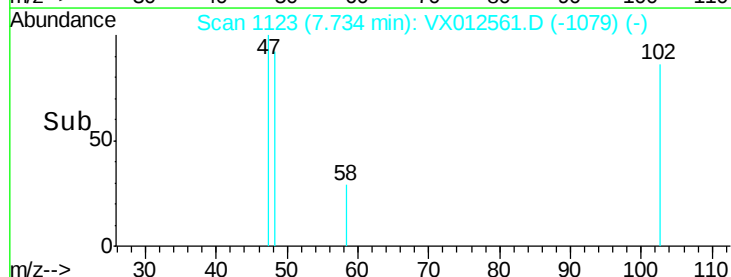
39 50.5 47.8 71.6

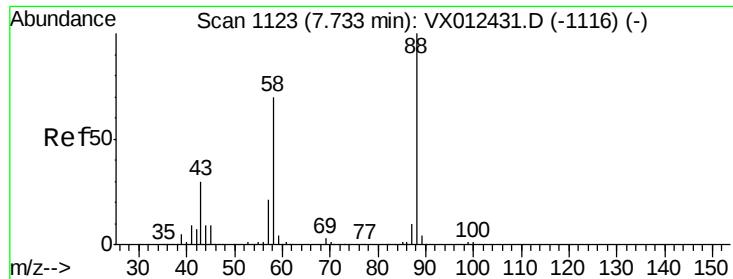


Abundance Ion 41.00 (40.70 to 41.70): VX0



Time--> 7.65 7.70 7.75 7.80

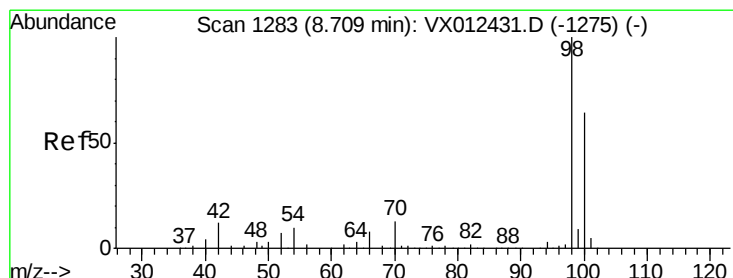
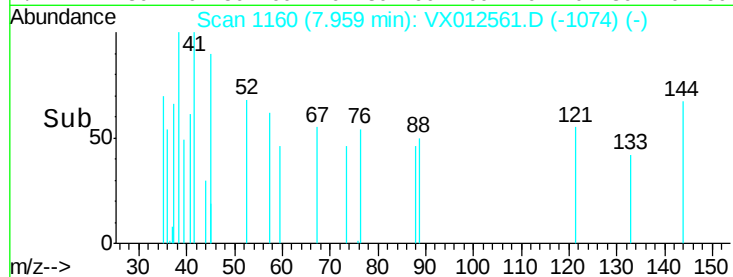
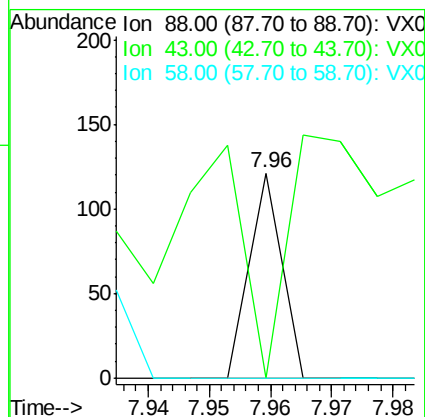
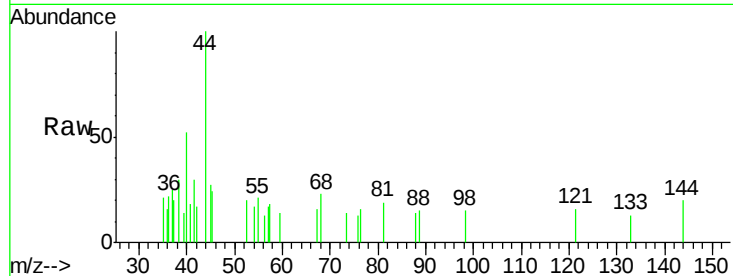




#49
1,4-Dioxane
Concen: 0.818 ug/l
RT: 7.96 min Scan# 1160
Delta R.T. 0.23 min
Lab File: VX012561.D
Acq: 20 Sep 2019 16:45

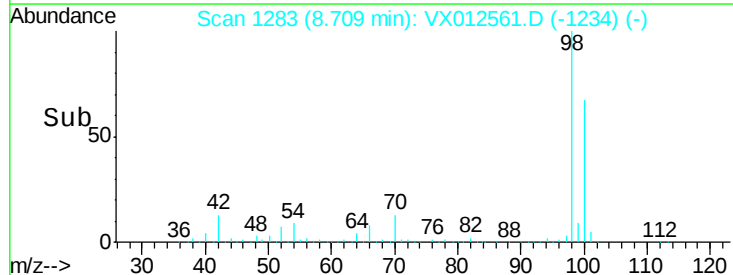
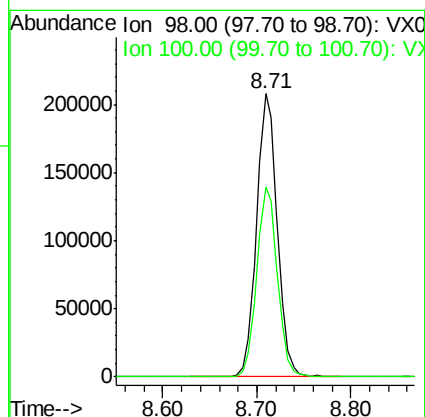
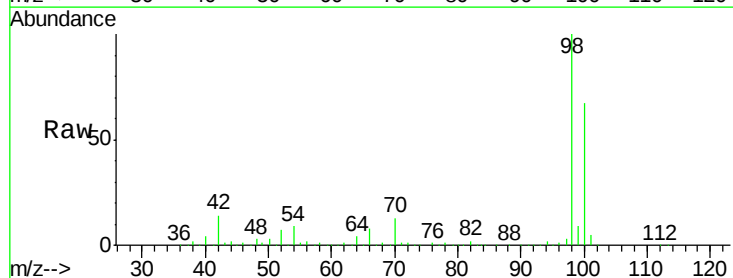
Instrument :
MSVOA_X
ClientSampleId :
S13-0272DL

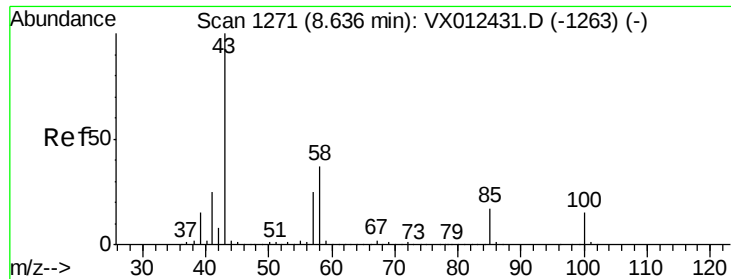
Tot Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 484.1 29.4 44.0#
58 0.0 57.5 86.3#



#50
Toluene-d8
Concen: 51.640 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012561.D
Acq: 20 Sep 2019 16:45

Tgt Ion: 98 Resp: 324140
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.2

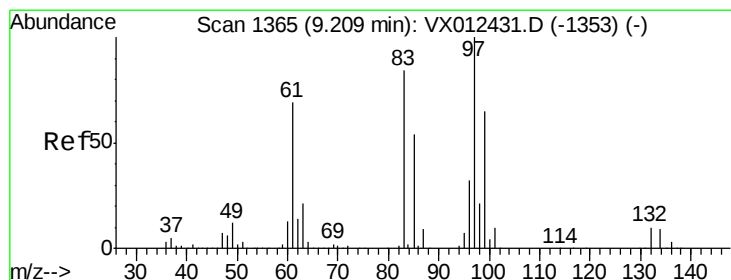
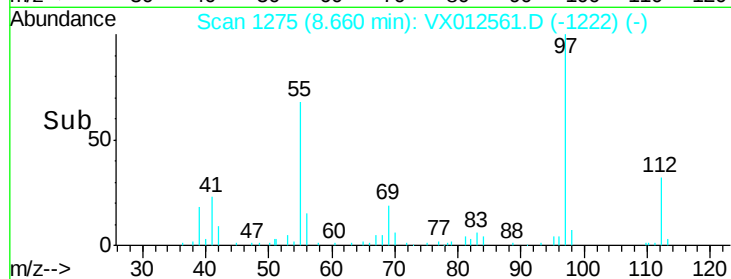
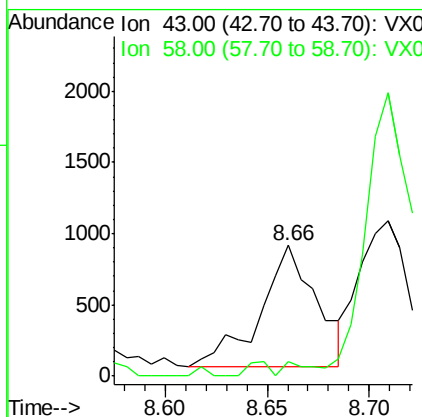
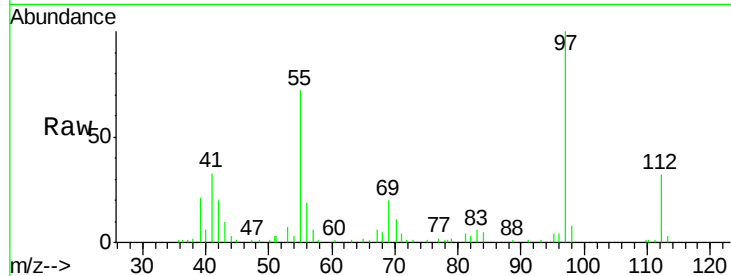




#51
 4-Methyl-2-Pentanone
 Concen: 0.532 ug/l
 RT: 8.66 min Scan# 1275
 Delta R.T. 0.02 min
 Lab File: VX012561.D
 Acq: 20 Sep 2019 16:45

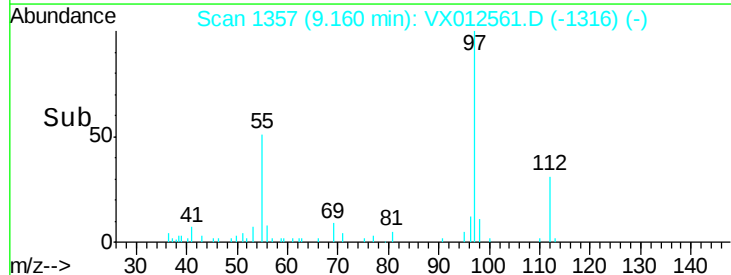
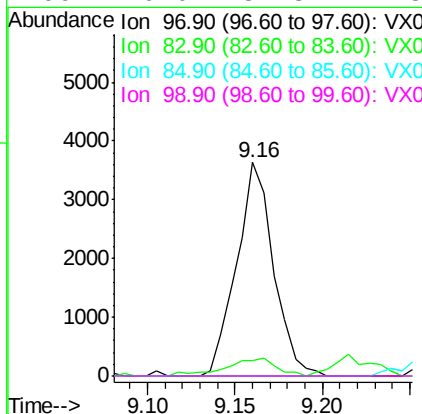
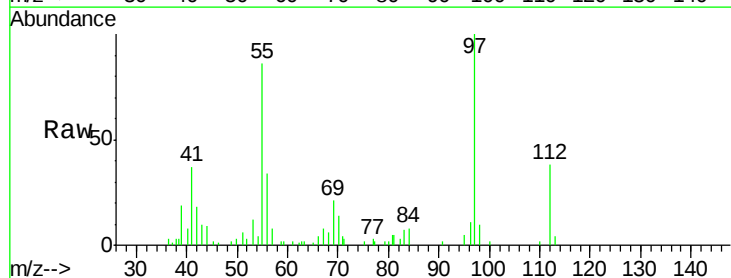
Instrument :
 MSVOA_X
 ClientSampleID :
 S13-0272DL

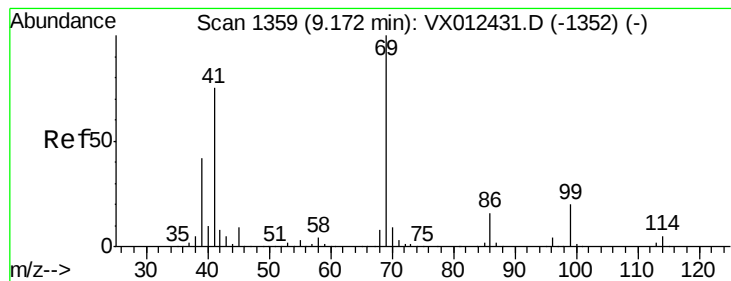
Tot Ion: 43 Resp: 1636
 Ion Ratio Lower Upper
 43 100
 58 6.4 29.8 44.6#



#55
 1,1,2-Trichloroethane
 Concen: 2.980 ug/l
 RT: 9.16 min Scan# 1357
 Delta R.T. -0.05 min
 Lab File: VX012561.D
 Acq: 20 Sep 2019 16:45

Tgt Ion: 97 Resp: 5356
 Ion Ratio Lower Upper
 97 100
 83 6.0 67.4 101.2#
 85 0.0 43.5 65.3#
 99 0.0 51.8 77.8#





#56

Ethyl methacrylate

Concen: 0.526 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampleID :

S13-0272DL

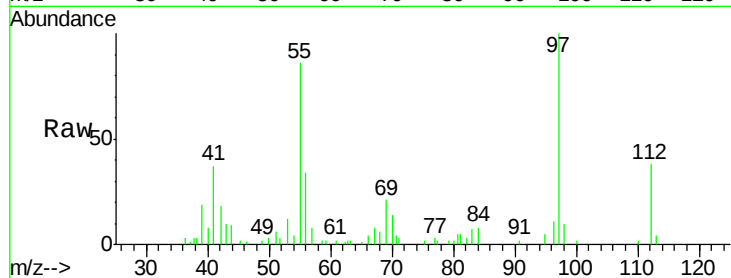
Tot Ion: 69 Resp: 1479

Ion Ratio Lower Upper

69 100

41 142.5 58.4 87.6#

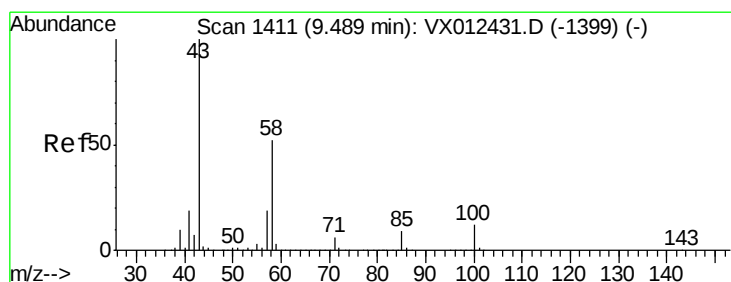
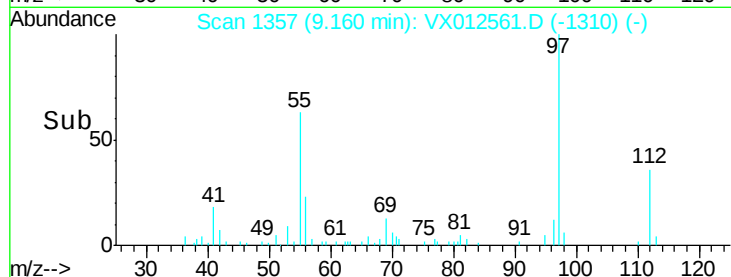
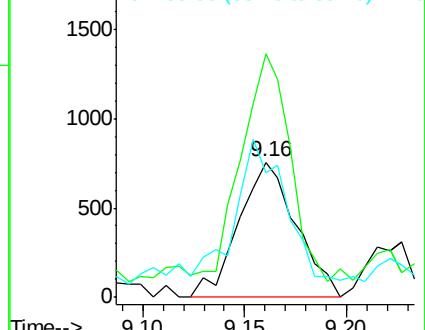
39 88.4 33.4 50.0#



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



#59

2-Hexanone

Concen: 2.062 ug/l

RT: 9.44 min Scan# 1403

Delta R.T. -0.05 min

Lab File: VX012561.D

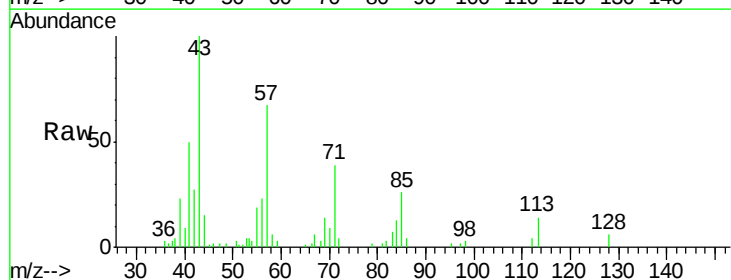
Acq: 20 Sep 2019 16:45

Tgt Ion: 43 Resp: 4949

Ion Ratio Lower Upper

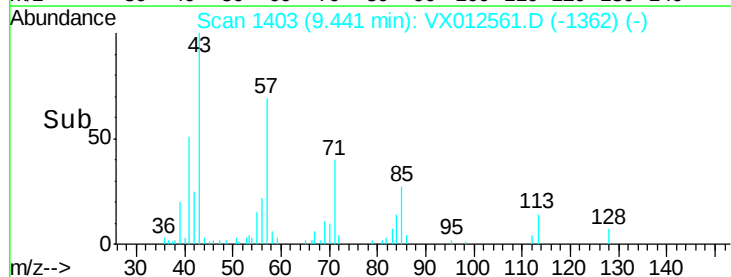
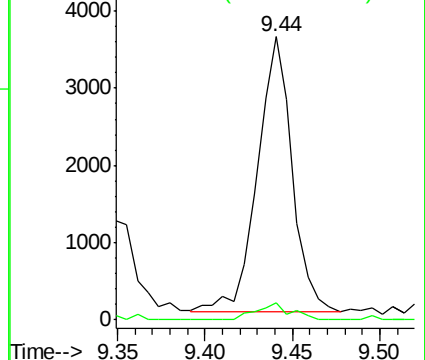
43 100

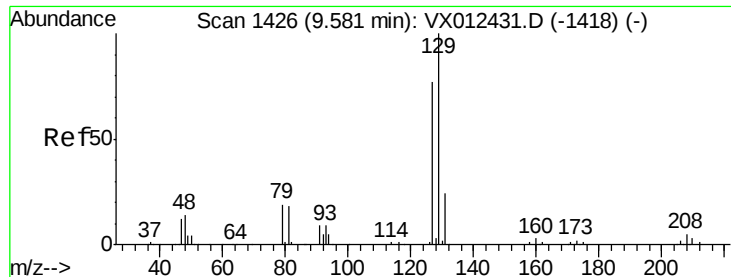
58 5.9 25.7 77.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 0.234 ug/l

RT: 9.32 min Scan# 1384

Delta R.T. -0.26 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

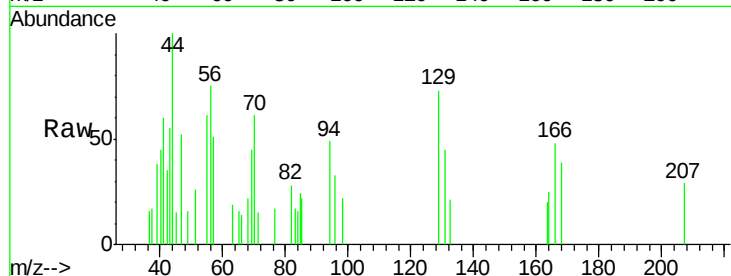
S13-0272DL

Tot Ion:129 Resp: 429

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.32

250

200

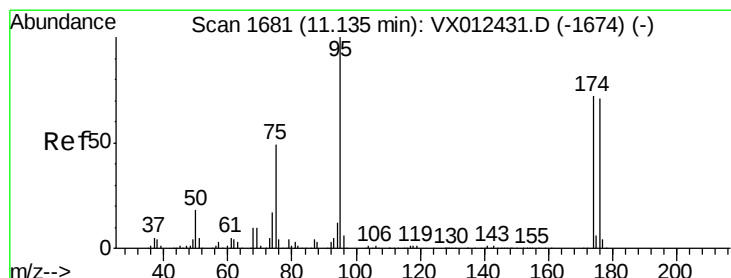
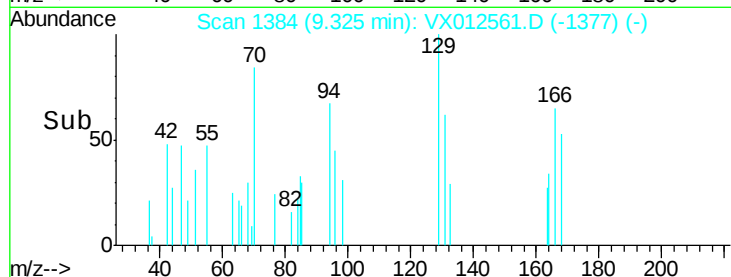
150

100

50

0

Time-->



#62

4-Bromofluorobenzene

Concen: 41.956 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

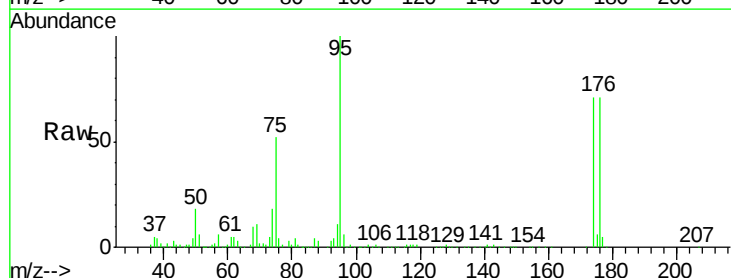
Tgt Ion: 95 Resp: 109349

Ion Ratio Lower Upper

95 100

174 71.7 0.0 140.0

176 69.4 0.0 135.4



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

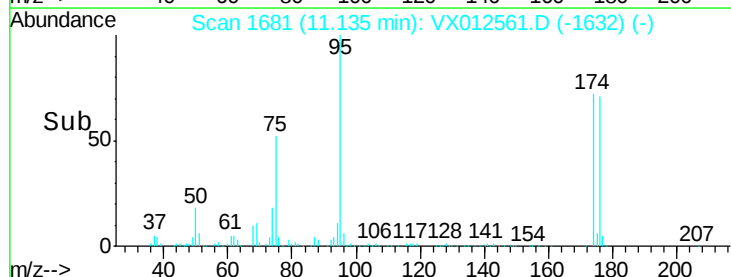
60000

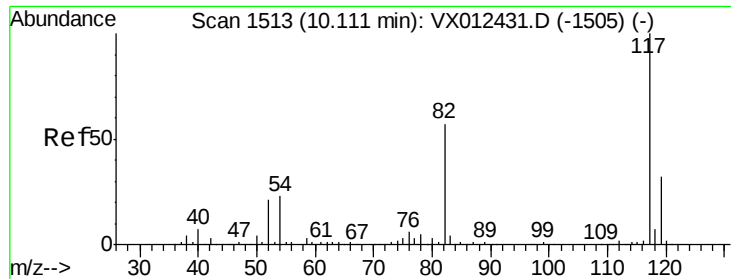
40000

20000

0

Time-->

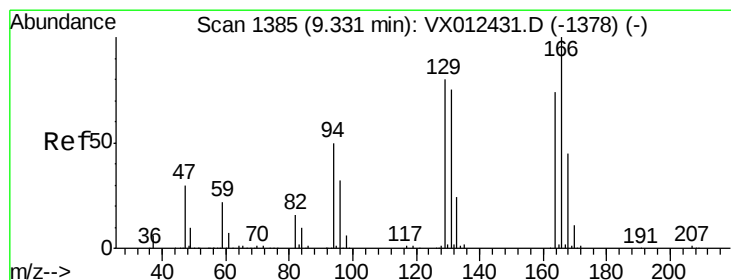
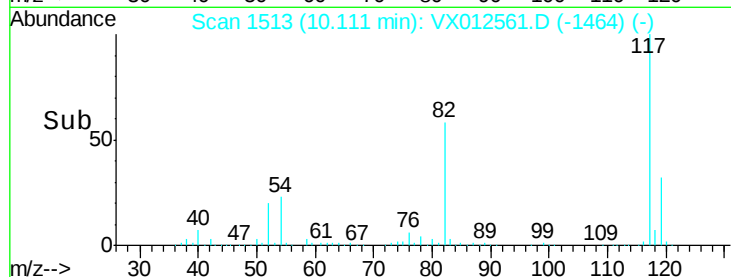
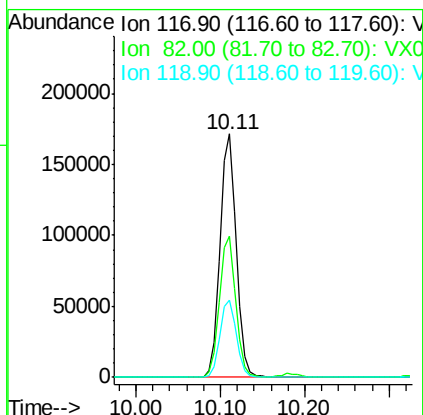
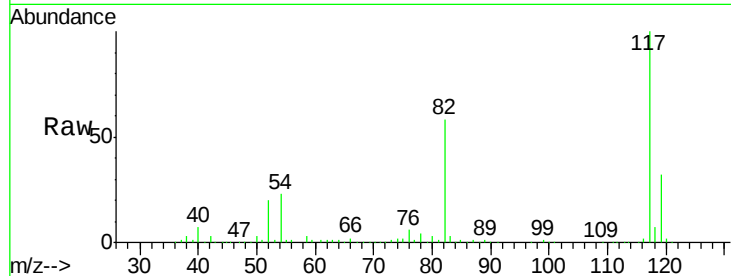




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012561.D
Acq: 20 Sep 2019 16:45

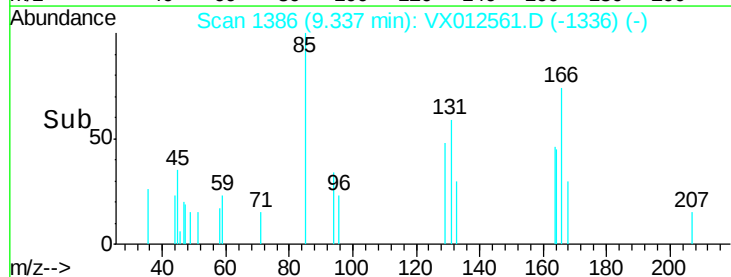
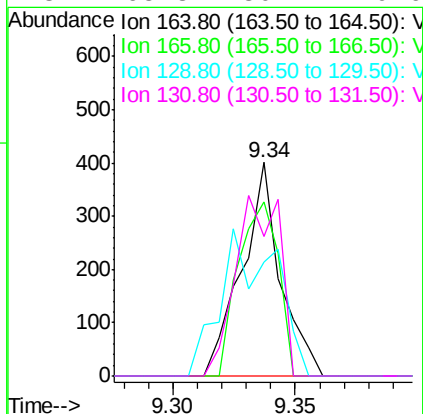
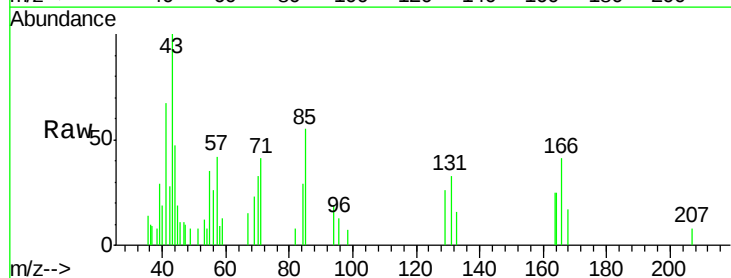
Instrument :
MSVOA_X
ClientSampled :
S13-0272DL

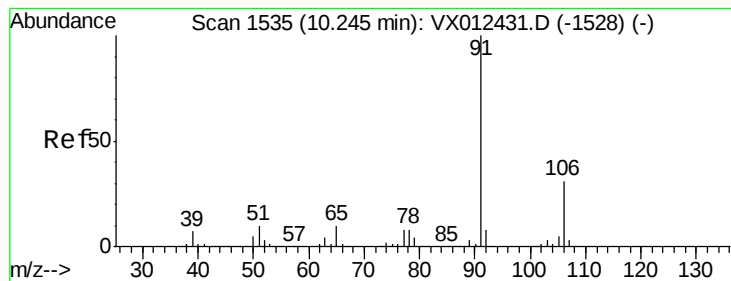
Tot Ion:117 Resp: 230090
Ion Ratio Lower Upper
117 100
82 58.1 45.9 68.9
119 31.8 25.3 37.9



#64
Tetrachloroethene
Concen: 0.419 ug/l
RT: 9.34 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VX012561.D
Acq: 20 Sep 2019 16:45

Tgt Ion:164 Resp: 442
Ion Ratio Lower Upper
164 100
166 81.8 107.8 161.6#
129 53.1 86.2 129.2#
131 65.3 80.4 120.6#





#67

Ethyl Benzene

Concen: 20.480 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampled :

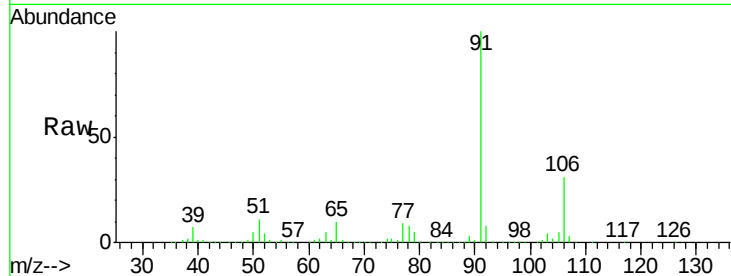
S13-0272DL

Tot Ion: 91 Resp: 133621

Ion Ratio Lower Upper

91 100

106 30.6 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

10.25

100000

80000

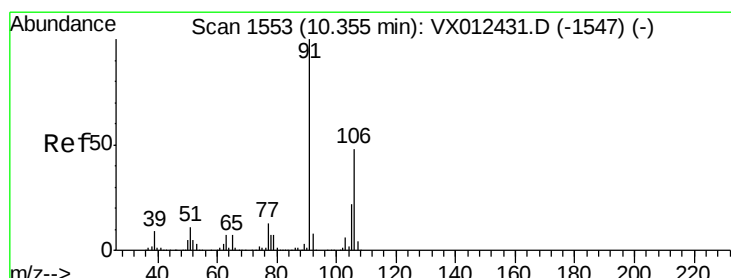
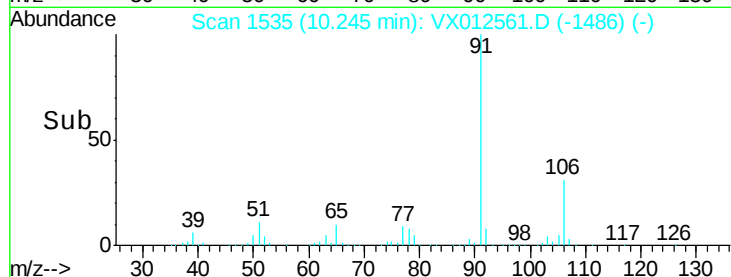
60000

40000

20000

0

Time-->



#68

m/p-Xylenes

Concen: 1.067 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012561.D

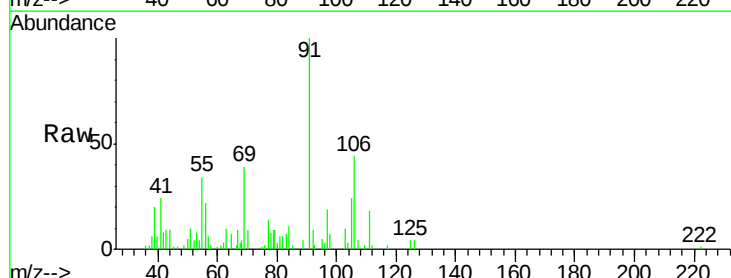
Acq: 20 Sep 2019 16:45

Tgt Ion:106 Resp: 2534

Ion Ratio Lower Upper

106 100

91 199.3 166.6 250.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

10.36

4000

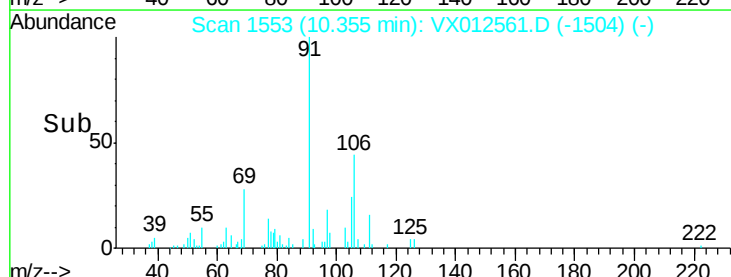
3000

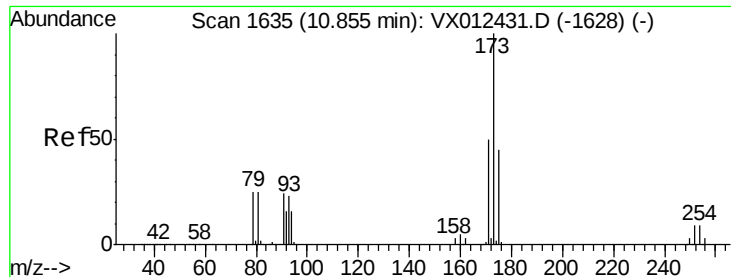
2000

1000

0

Time-->





#71

Bromoform

Concen: 2.919 ug/l

RT: 11.12 min Scan# 1678

Delta R.T. 0.26 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampleID :

S13-0272DL

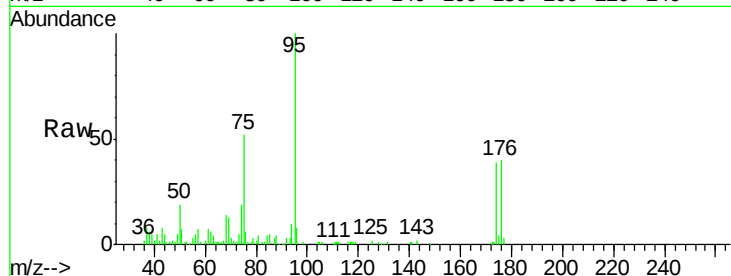
Tot Ion:173 Resp: 71

Ion Ratio Lower Upper

173 100

175 0.0 23.7 71.1#

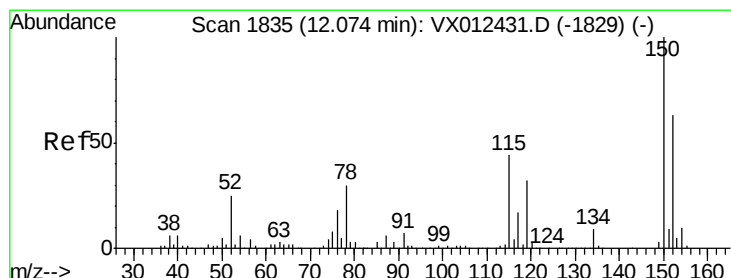
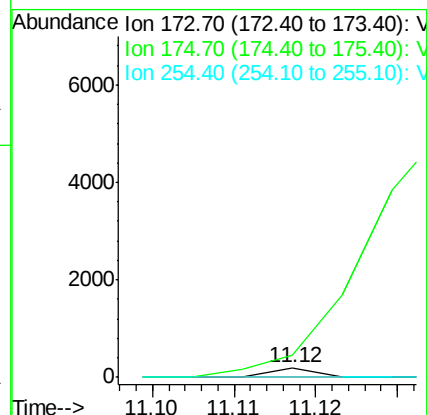
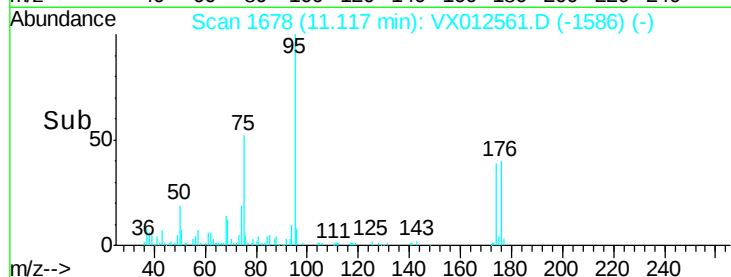
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

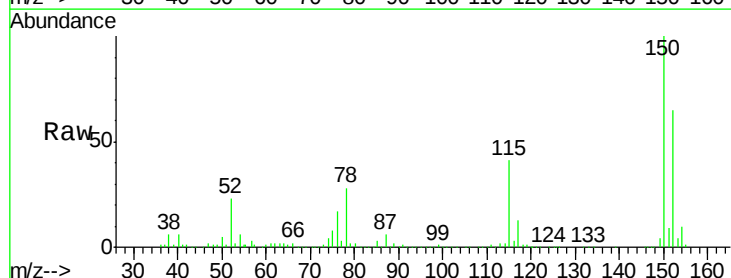
Tgt Ion:152 Resp: 88276

Ion Ratio Lower Upper

152 100

115 63.7 44.1 132.3

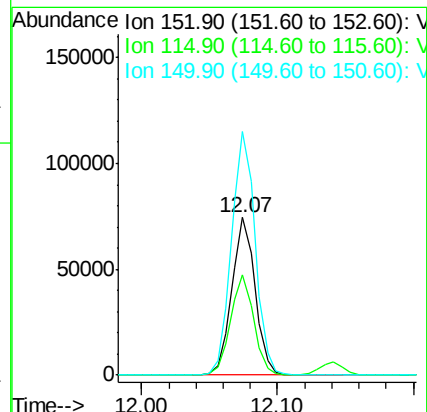
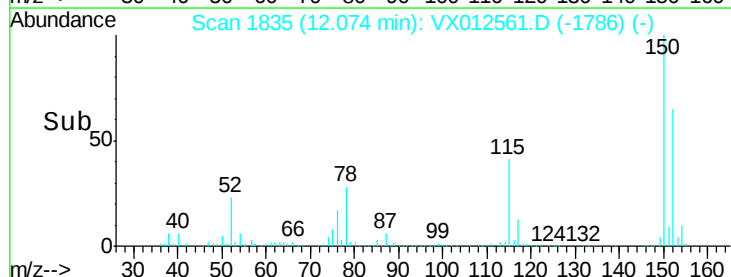
150 157.5 0.0 343.8

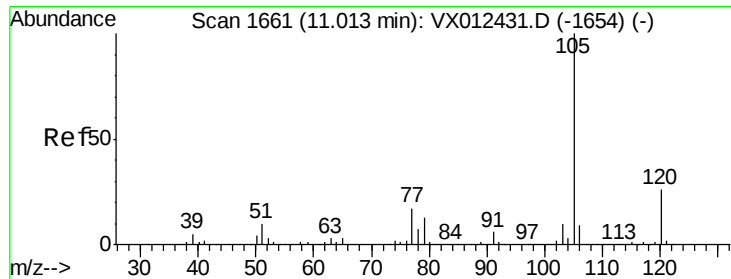


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 8.337 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

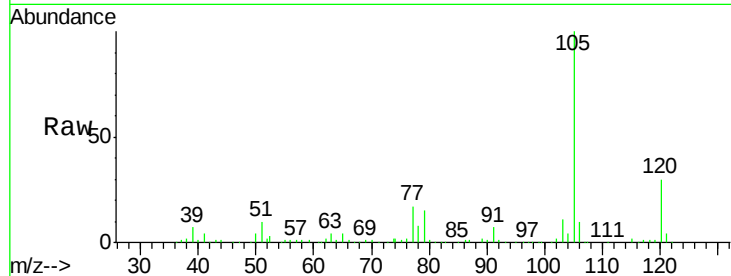
S13-0272DL

Tot Ion:105 Resp: 46176

Ion Ratio Lower Upper

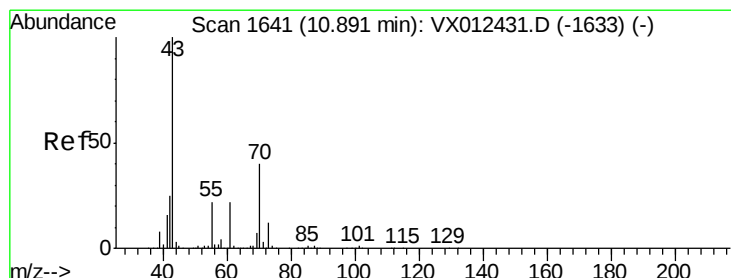
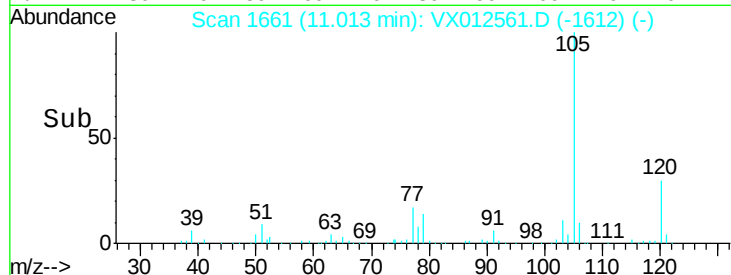
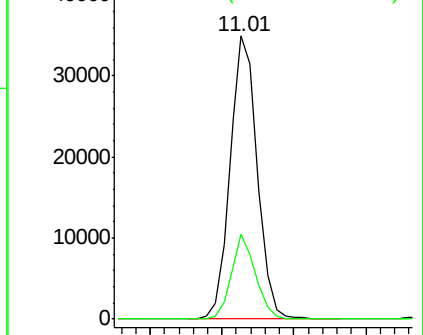
105 100

120 26.9 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.498 ug/l

RT: 10.90 min Scan# 1643

Delta R.T. 0.01 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Tgt Ion: 43 Resp: 1484

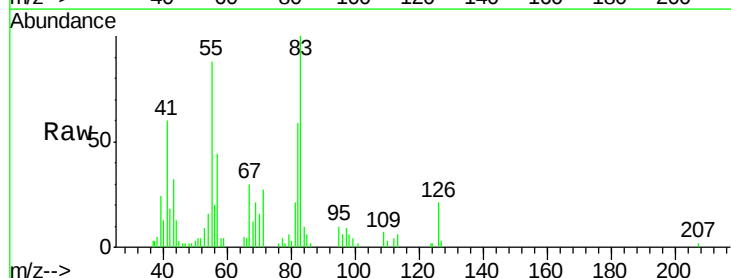
Ion Ratio Lower Upper

43 100

70 150.7 32.4 48.6#

55 310.3 18.2 27.4#

61 0.0 18.5 27.7#

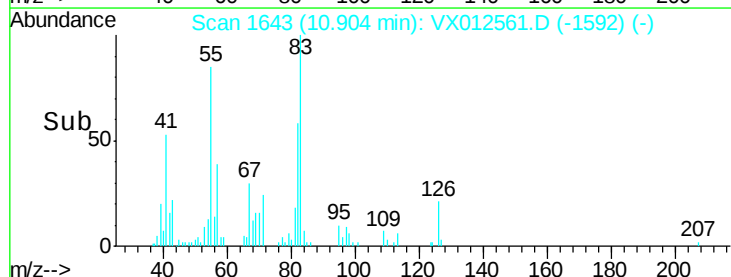
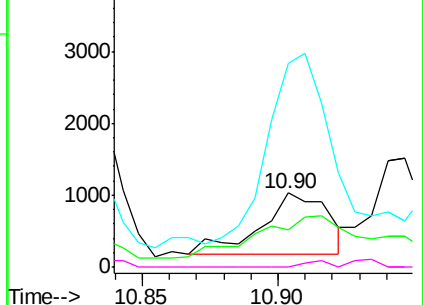


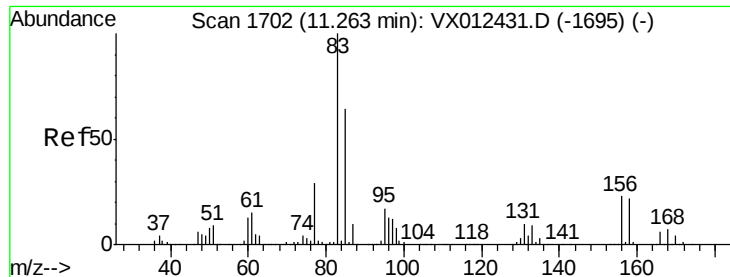
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.625 ug/l

RT: 11.28 min Scan# 1704

Delta R.T. 0.01 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampled :

S13-0272DL

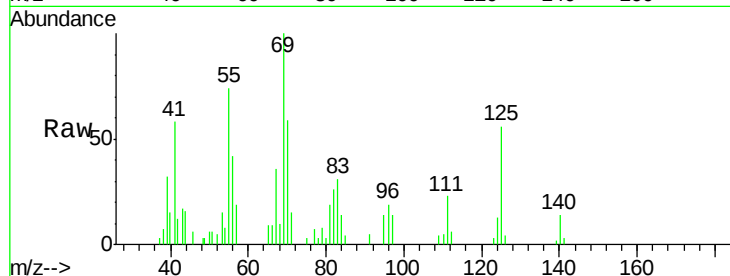
Tot Ion: 83 Resp: 1357

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

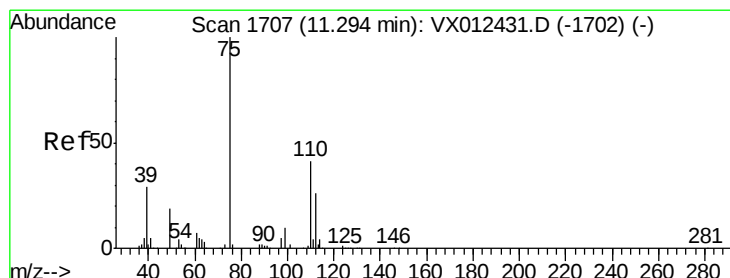
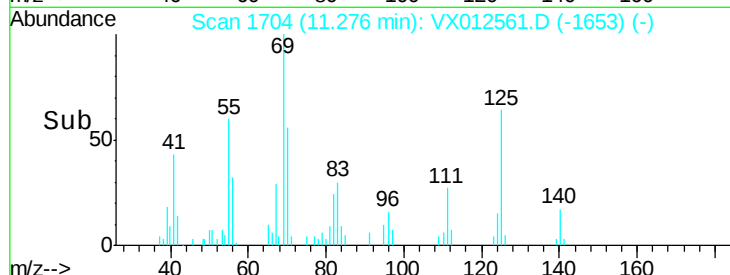
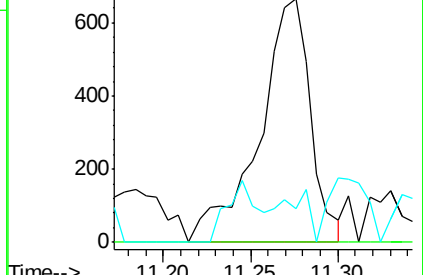
85 9.4 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 27.990 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012561.D

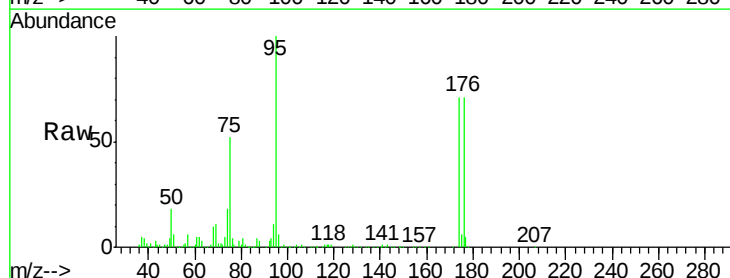
Acq: 20 Sep 2019 16:45

Tgt Ion: 75 Resp: 56757

Ion Ratio Lower Upper

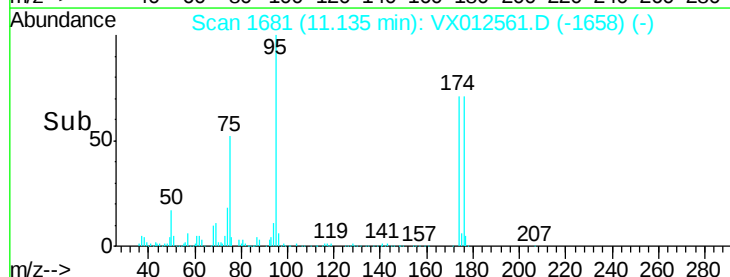
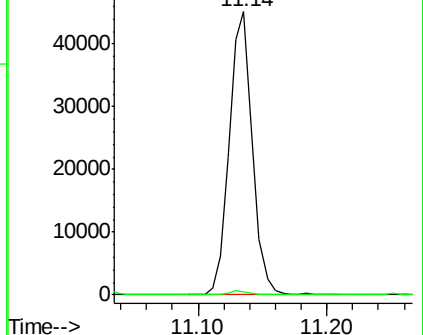
75 100

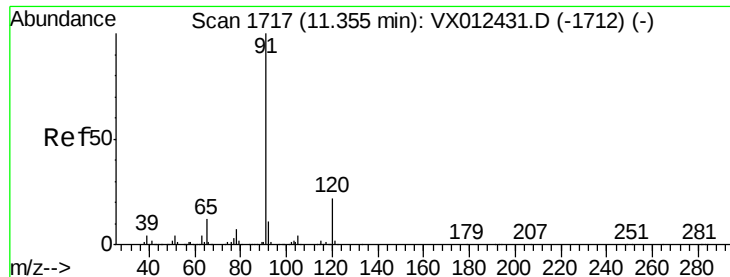
77 1.3 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 10.442 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampled :

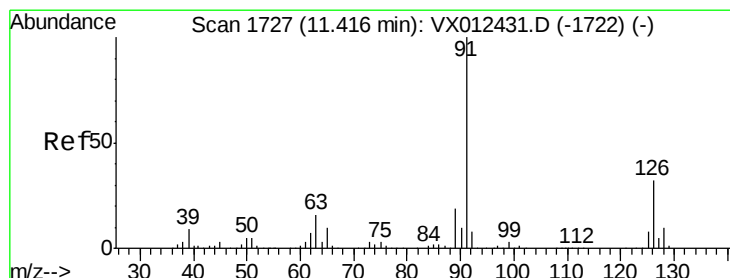
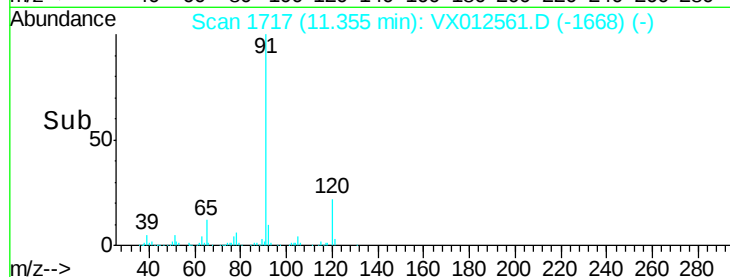
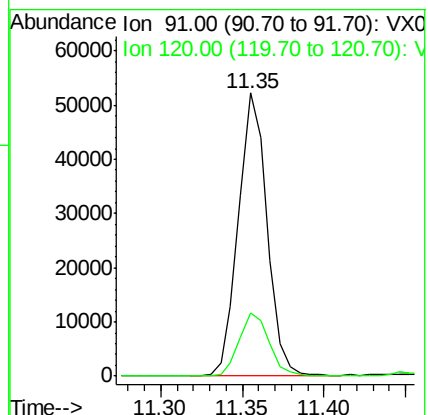
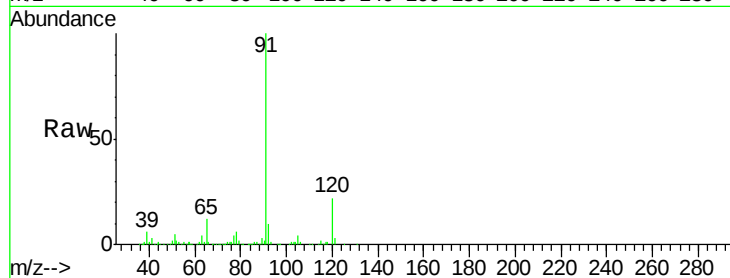
S13-0272DL

Tot Ion: 91 Resp: 64463

Ion Ratio Lower Upper

91 100

120 23.2 11.3 33.8



#79

2-Chlorotoluene

Concen: 16.051 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.06 min

Lab File: VX012561.D

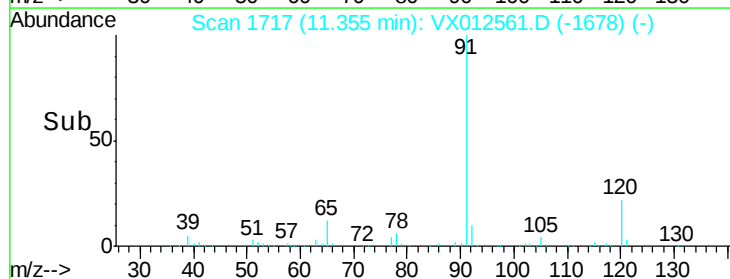
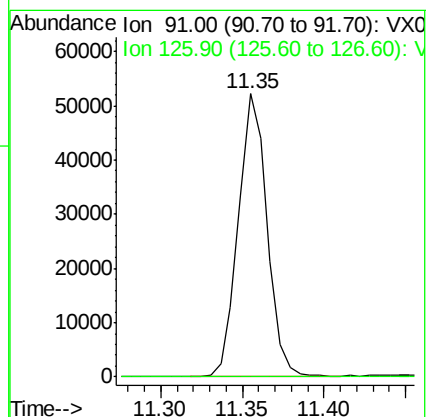
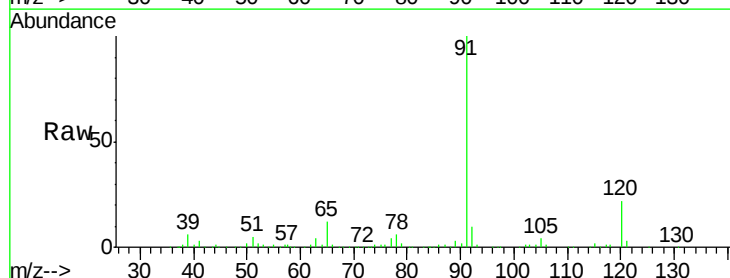
Acq: 20 Sep 2019 16:45

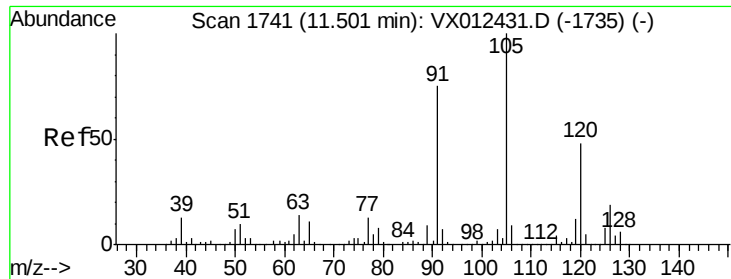
Tgt Ion: 91 Resp: 64463

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.4#

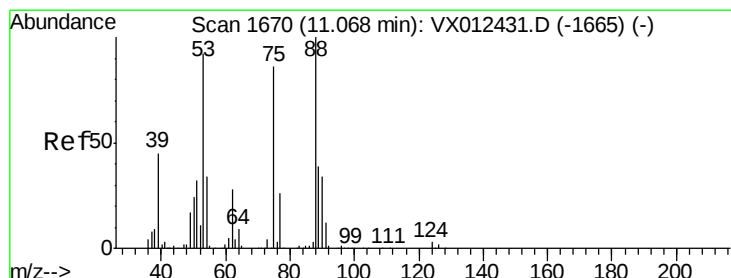
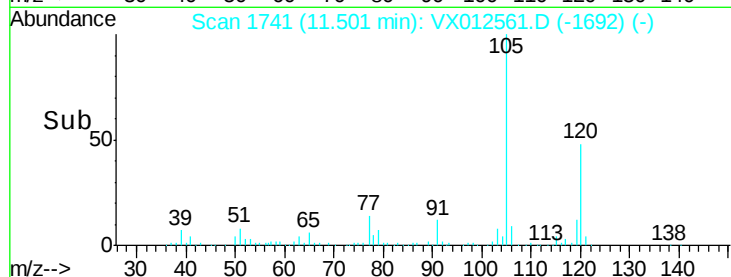
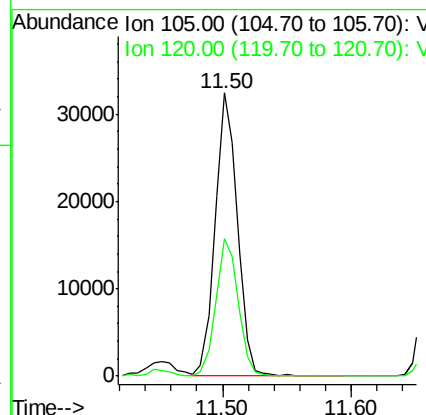
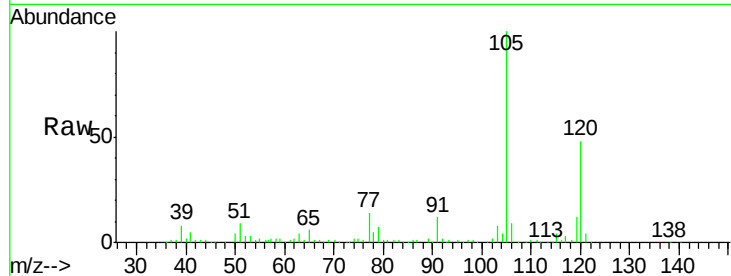




#80
 1,3,5-Trimethylbenzene
 Concen: 8.377 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012561.D
 Acq: 20 Sep 2019 16:45

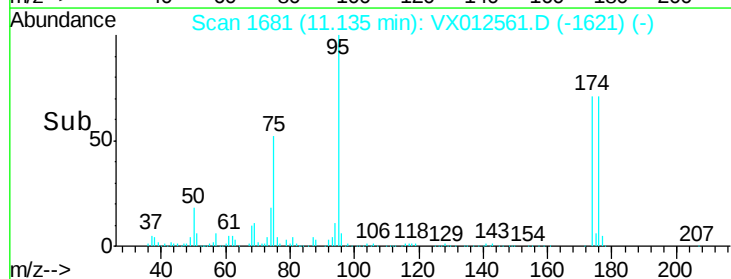
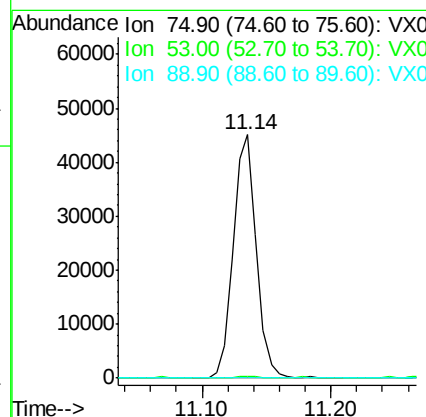
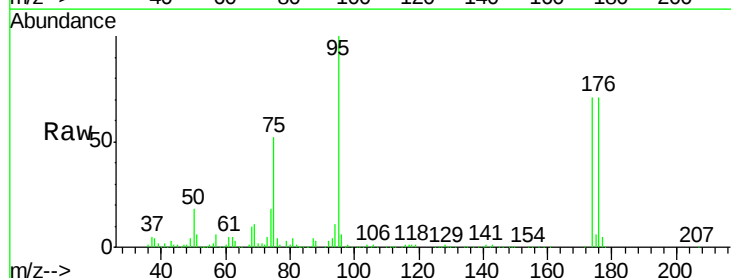
Instrument :
 MSVOA_X
 ClientSampled :
 S13-0272DL

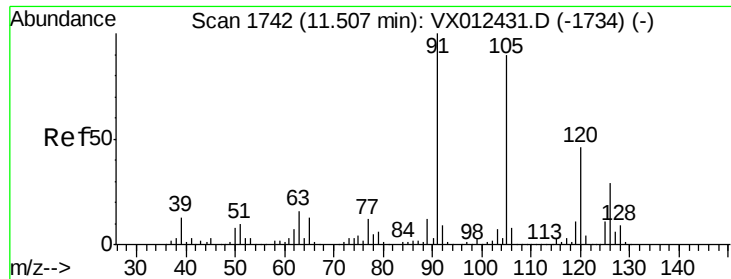
Tot Ion:105 Resp: 39572
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.181 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012561.D
 Acq: 20 Sep 2019 16:45

Tgt Ion: 75 Resp: 56757
 Ion Ratio Lower Upper
 75 100
 53 0.4 83.6 125.4#
 89 0.0 36.3 54.5#

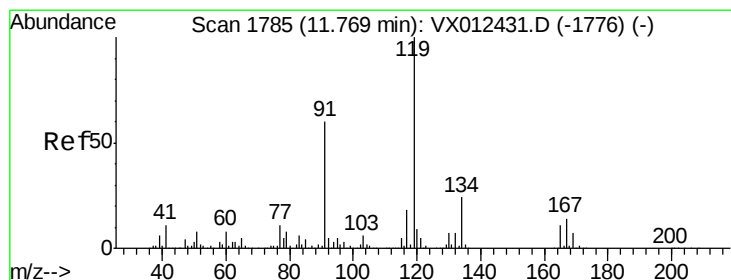
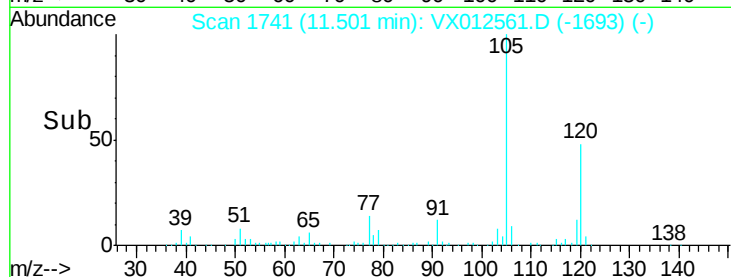
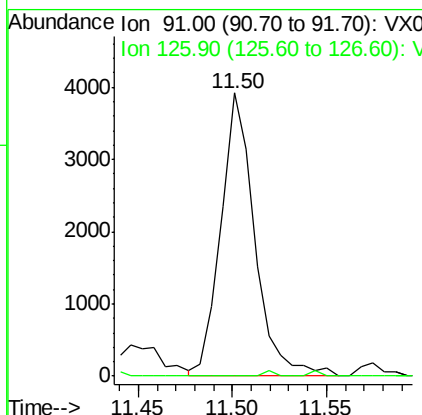
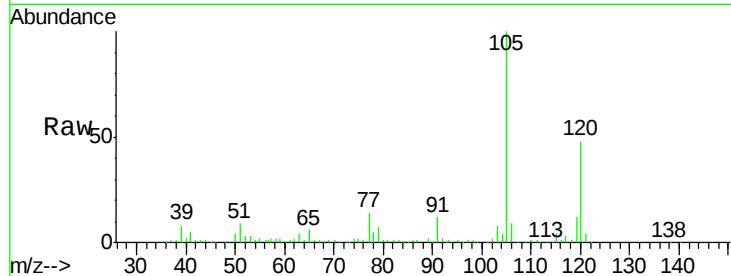




#82
4-Chlorotoluene
Concen: 1.061 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VX012561.D
Acq: 20 Sep 2019 16:45

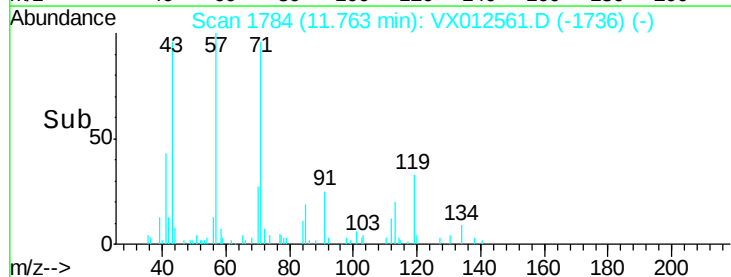
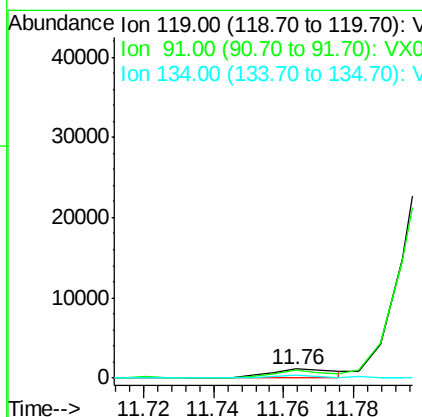
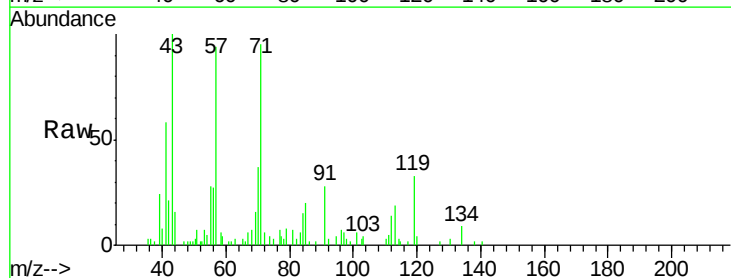
Instrument :
MSVOA_X
ClientSampleId :
S13-0272DL

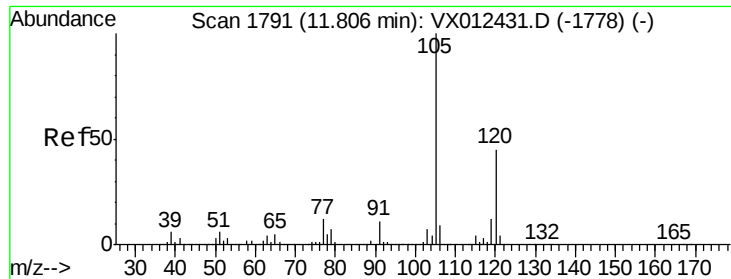
Tot Ion: 91 Resp: 4890
Ion Ratio Lower Upper
91 100
126 0.6 14.4 43.0#



#83
tert-Butylbenzene
Concen: 0.282 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012561.D
Acq: 20 Sep 2019 16:45

Tgt Ion: 119 Resp: 1428
Ion Ratio Lower Upper
119 100
91 78.0 30.0 90.0
134 29.0 11.3 33.9

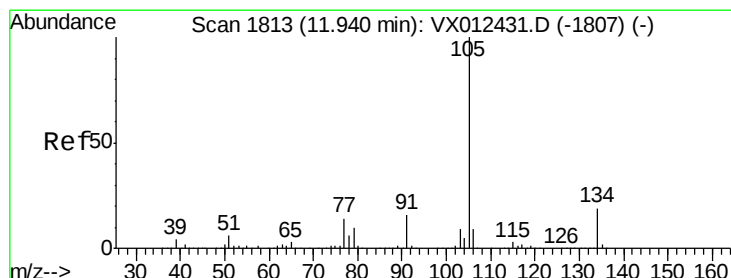
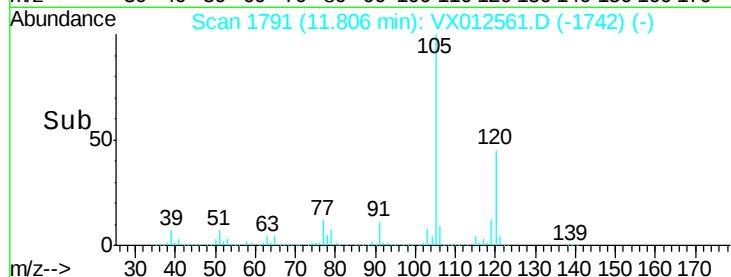
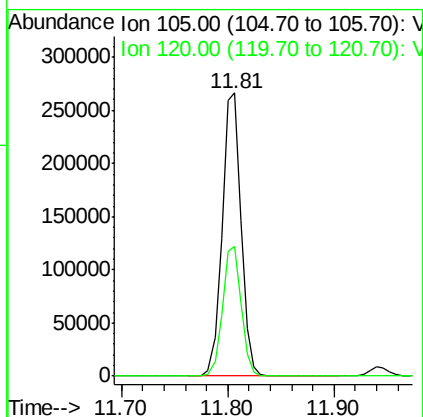
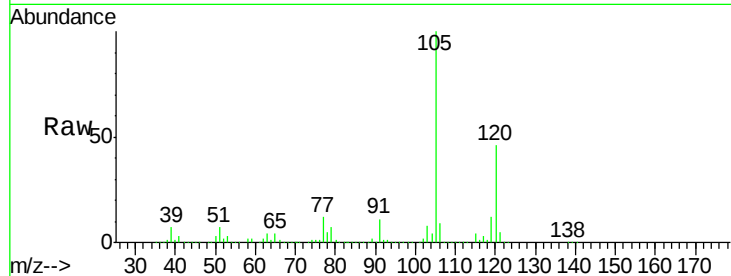




#84
 1,2,4-Trimethylbenzene
 Concen: 67.979 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012561.D
 Acq: 20 Sep 2019 16:45

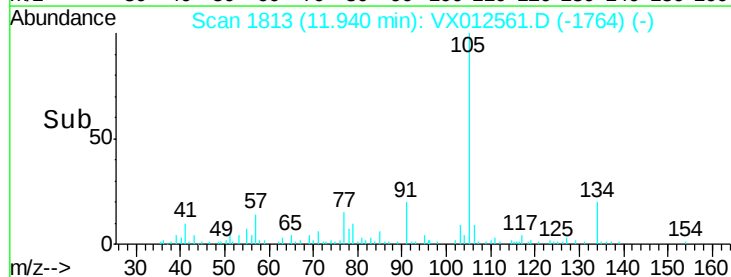
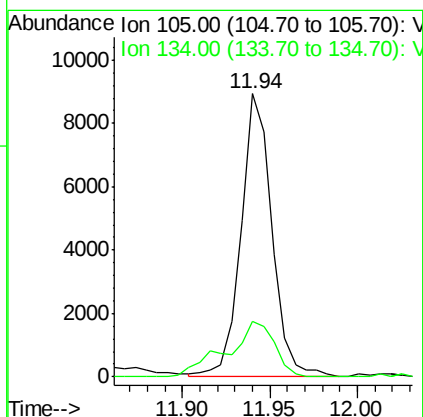
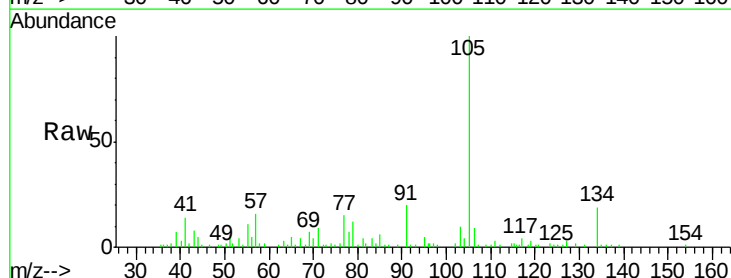
Instrument :
 MSVOA_X
 ClientSampled :
 S13-0272DL

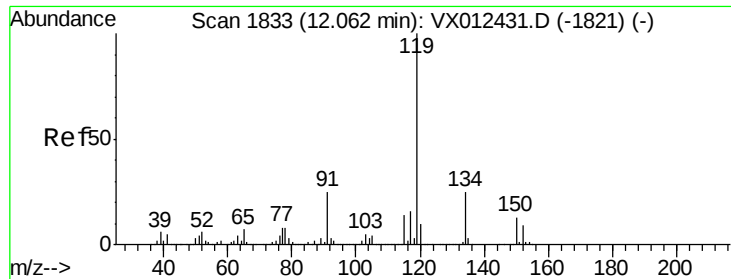
Tot Ion:105 Resp: 329710
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.2 66.6



#85
 sec-Butylbenzene
 Concen: 1.974 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012561.D
 Acq: 20 Sep 2019 16:45

Tgt Ion:105 Resp: 11009
 Ion Ratio Lower Upper
 105 100
 134 30.2 9.8 29.4#

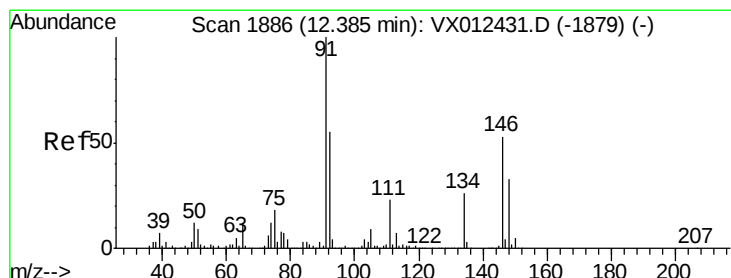
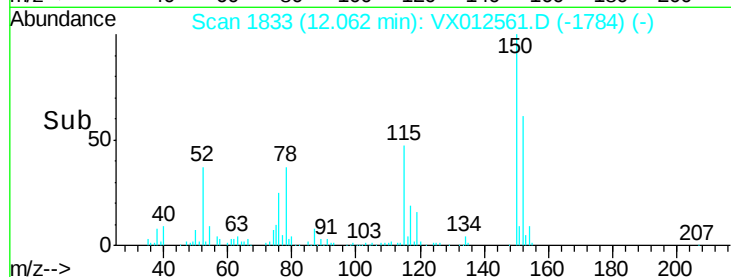
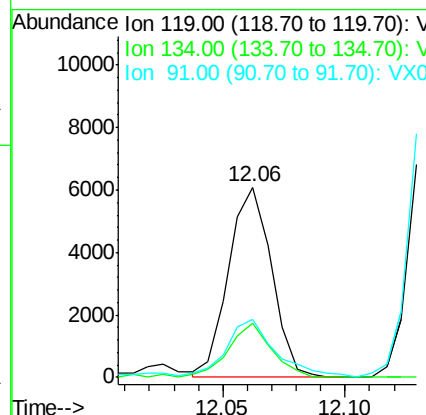
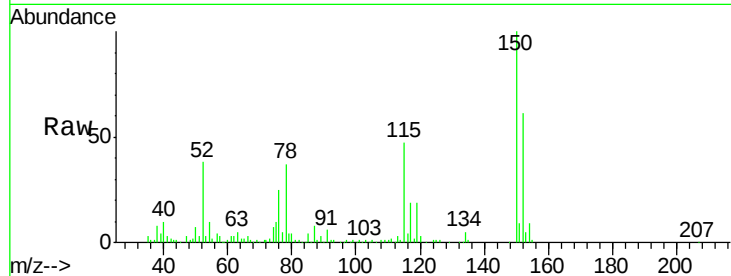




#86
p-Isopropyltoluene
Concen: 1.455 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX012561.D
Acq: 20 Sep 2019 16:45

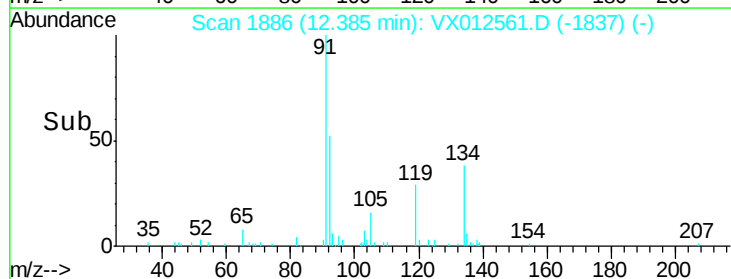
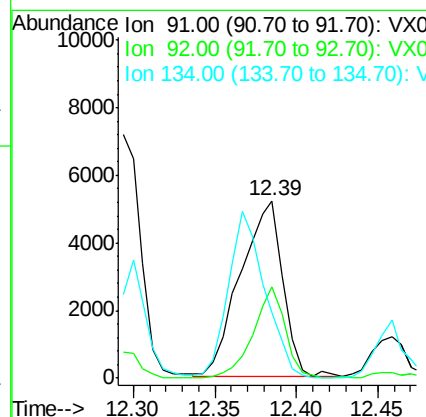
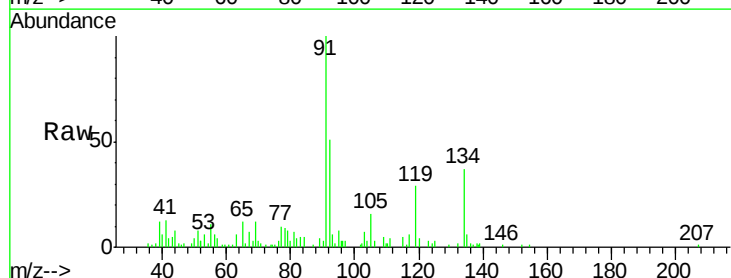
Instrument :
MSVOA_X
ClientSampled :
S13-0272DL

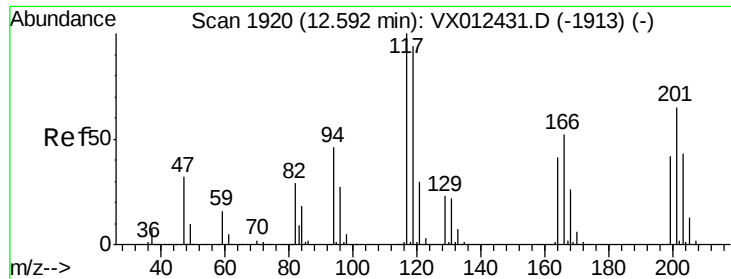
Tot Ion:119 Resp: 7453
Ion Ratio Lower Upper
119 100
134 28.2 12.7 38.1
91 35.2 12.8 38.4



#89
n-Butylbenzene
Concen: 2.046 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012561.D
Acq: 20 Sep 2019 16:45

Tgt Ion: 91 Resp: 9351
Ion Ratio Lower Upper
91 100
92 39.6 27.7 83.0
134 83.7 12.9 38.6#





#90

Hexachloroethane

Concen: 2.724 ug/l

RT: 12.58 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

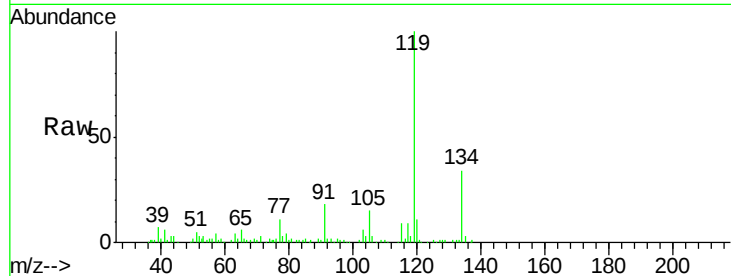
S13-0272DL

Tot Ion:117 Resp: 2558

Ion Ratio Lower Upper

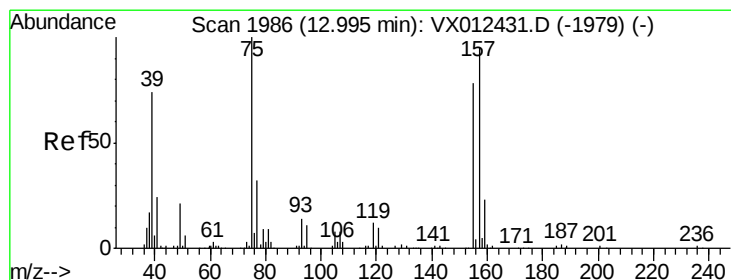
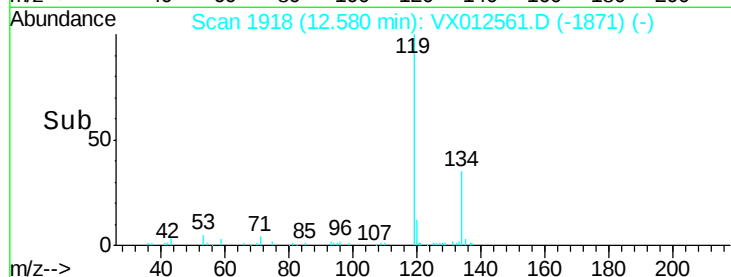
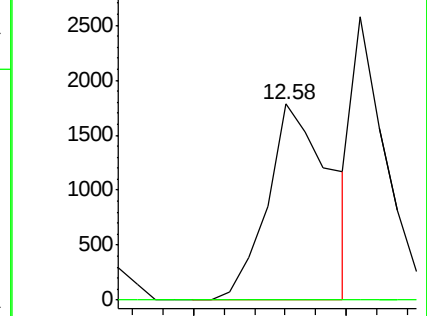
117 100

201 0.0 33.3 99.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.495 ug/l

RT: 12.98 min Scan# 1983

Delta R.T. -0.02 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

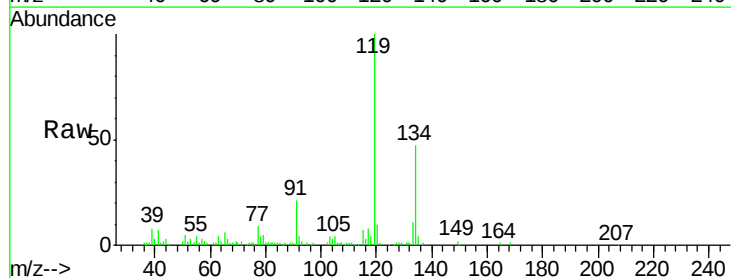
Tgt Ion: 75 Resp: 279

Ion Ratio Lower Upper

75 100

155 0.0 38.6 115.8#

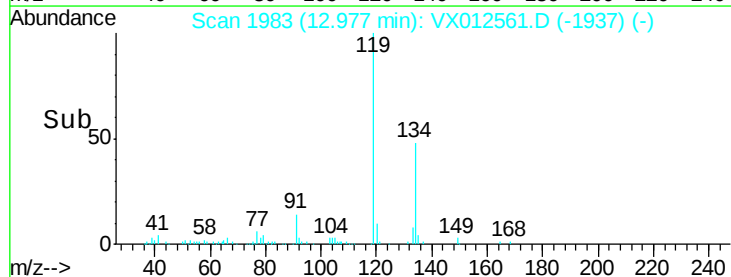
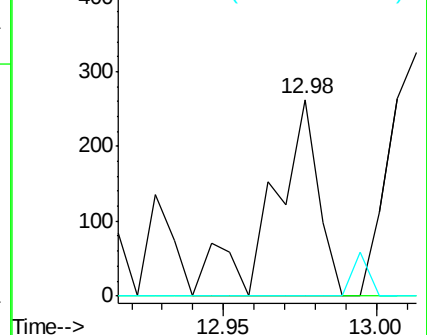
157 7.5 50.6 151.9#

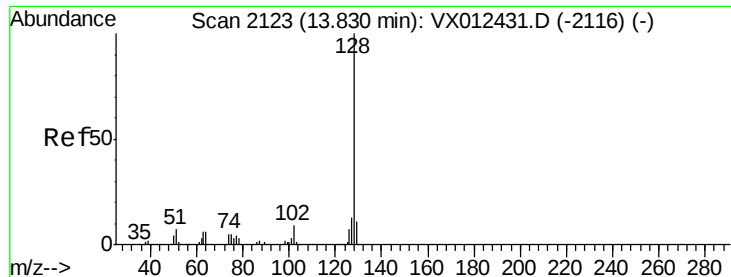


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 17.361 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

S13-0272DL

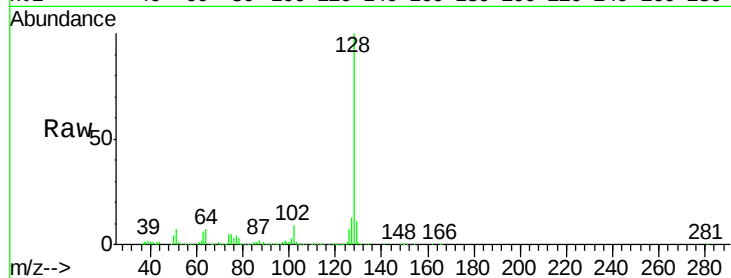
Tot Ion:128 Resp: 105672

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 11.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

