

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090420\
 Data File : VX018260.D
 Acq On : 04 Sep 2020 15:13
 Operator : JC/SP
 Sample : L3883-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE-(SEP)

Quant Time: Sep 05 06:33:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	75802	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.83	114	374551	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	356246	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	184400	30.83	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.77%
60) 4-Bromofluorobenzene	11.12	95	174285	28.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.10%
63) Toluene-d8	8.70	98	457509	29.14	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.13%

Target Compounds

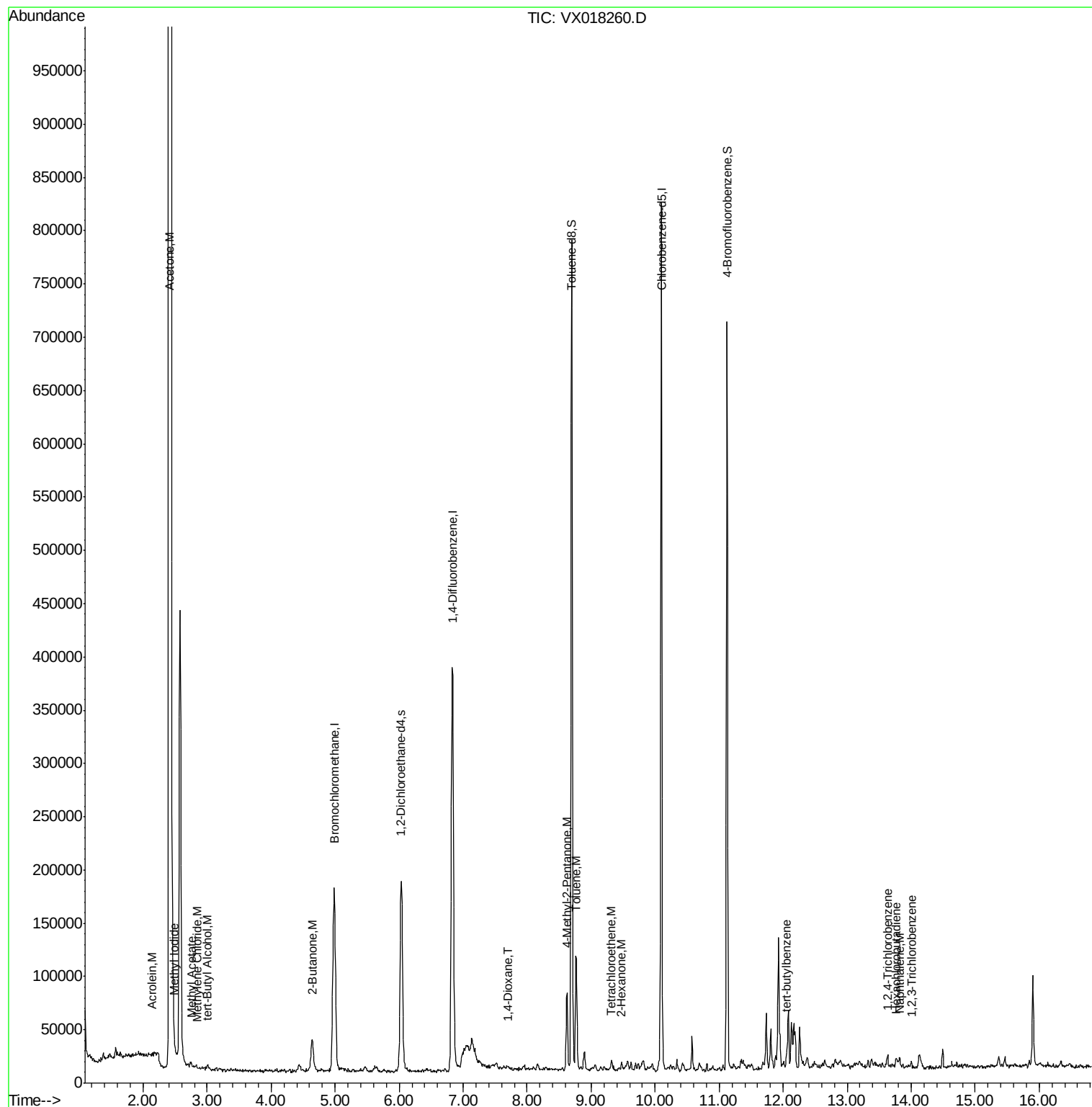
					Ovalue
11) Methyl Iodide	2.50	142	693	7.675 ug/l #	87
12) Methyl Acetate	2.75	43	5898	1.175 ug/l	92
13) Acrolein	2.14	56	275	0.679 ug/l	84
15) Acetone	2.42	58	2252497	3642.601 ug/l	89
18) Methylene Chloride	2.85	84	1327	0.297 ug/l #	49
23) tert-Butyl Alcohol	3.01	59	2622	2.660 ug/l #	84
30) 2-Butanone	4.64	43	50896	16.258 ug/l	95
45) 1,4-Dioxane	7.70	88	38	0.453 ug/l #	1
58) 4-Methyl-2-Pentanone	8.62	43	43475	7.095 ug/l	96
59) 2-Hexanone	9.48	43	2779	0.599 ug/l #	40
61) Tetrachloroethene	9.32	164	1123	0.253 ug/l #	63
62) Toluene	8.76	91	68552	3.824 ug/l	99
79) tert-butylbenzene	12.04	119	3567	0.214 ug/l	73
89) 1,2,4-Trichlorobenzene	13.63	180	1461	0.237 ug/l #	86
90) Hexachlorobutadiene	13.77	225	635	0.243 ug/l	85
91) Naphthalene	13.82	128	5466	0.284 ug/l #	94
92) 1,2,3-Trichlorobenzene	14.01	180	1426	0.233 ug/l	68

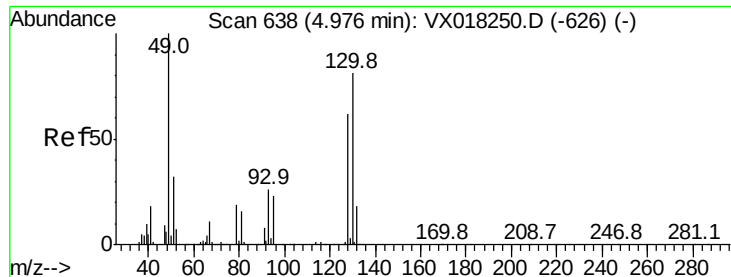
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090420\
Data File : VX018260.D
Acq On : 04 Sep 2020 15:13
Operator : JC/SP
Sample : L3883-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(SEP)

Quant Time: Sep 05 06:33:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 04 12:13:41 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.99 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX018260.D

Acq: 04 Sep 2020 15:13

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE-(SEP)

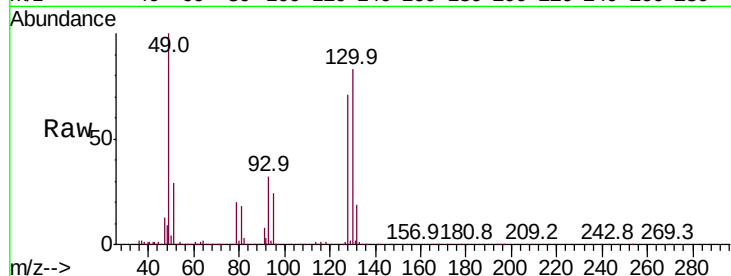
Tot Ion:128 Resp: 75802

Ion Ratio Lower Upper

128 100

49 153.5 0.0 392.0

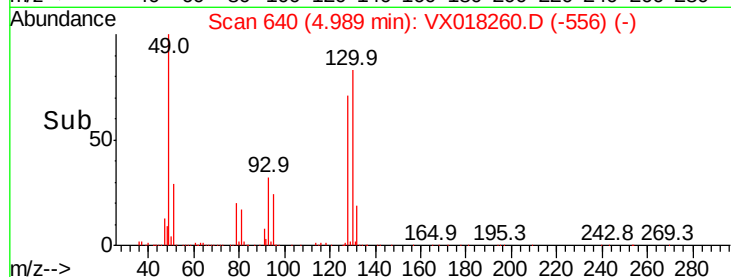
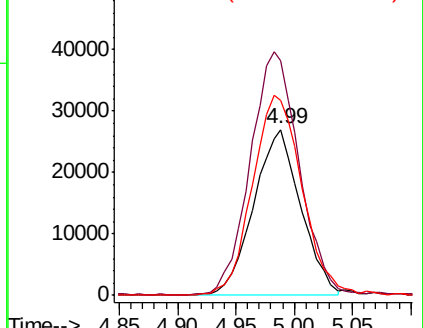
130 127.2 0.0 320.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#11

Methyl Iodide

Concen: 7.675 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX018260.D

Acq: 04 Sep 2020 15:13

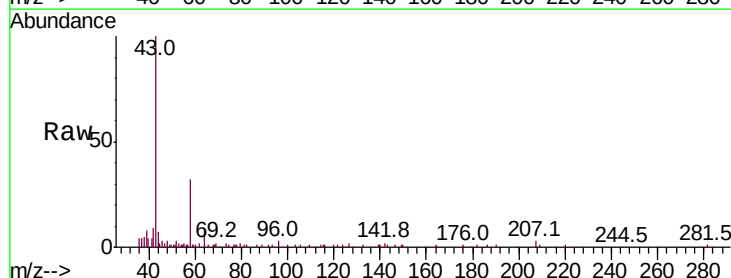
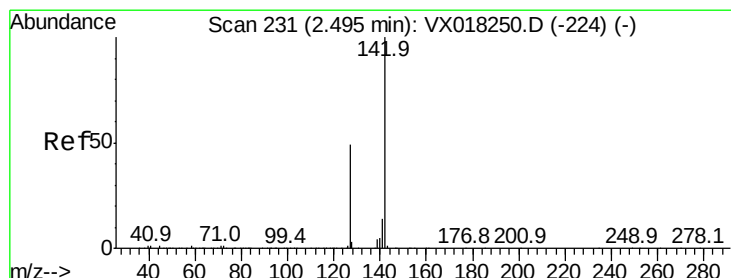
Tgt Ion:142 Resp: 693

Ion Ratio Lower Upper

142 100

127 56.1 24.6 74.0

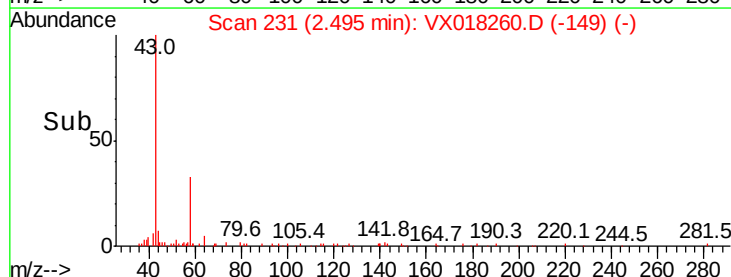
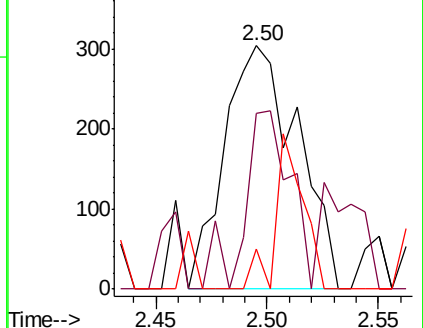
141 4.9 7.0 21.0#

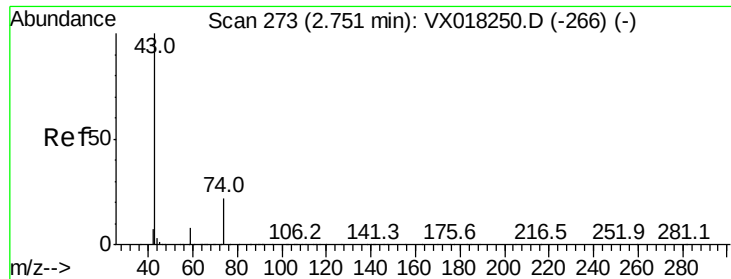


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

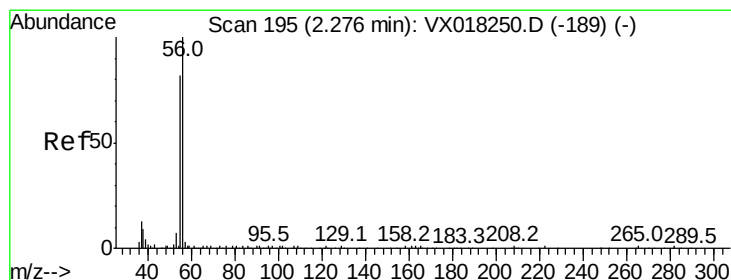
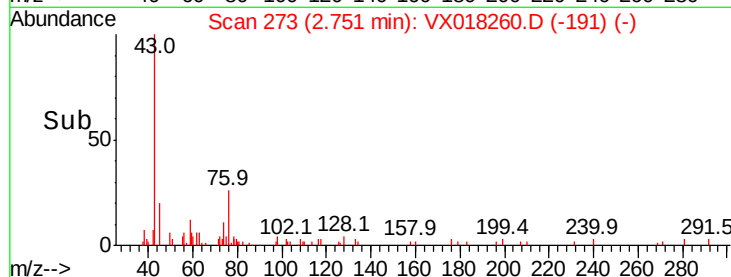
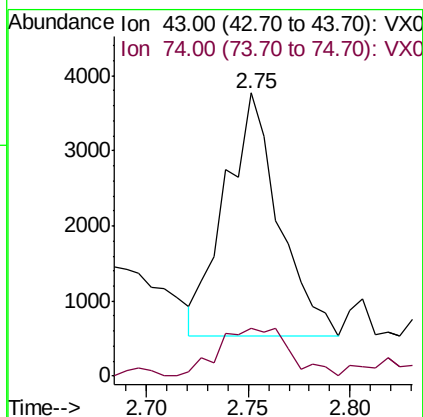
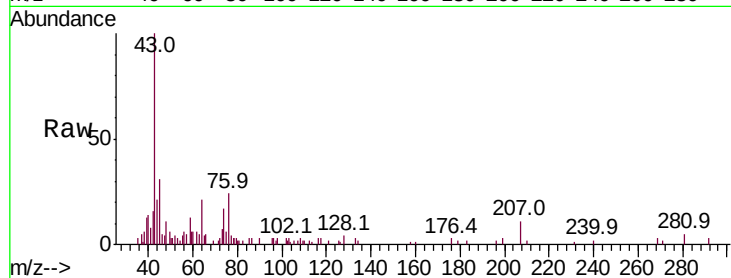




#12
Methvl Acetate
Concen: 1.175 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX018260.D
Acq: 04 Sep 2020 15:13

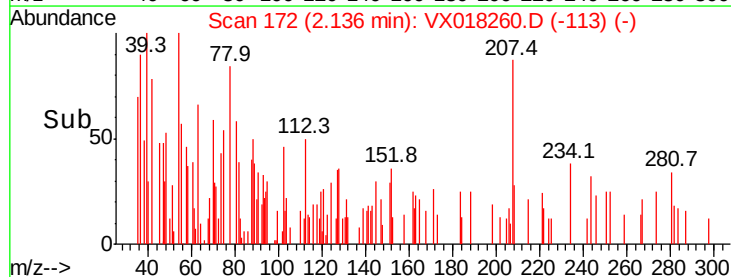
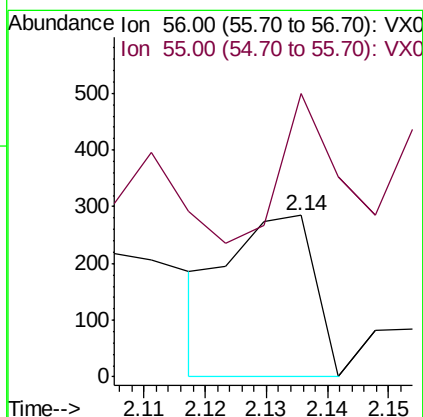
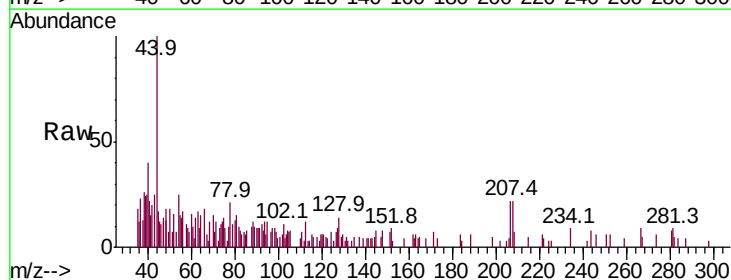
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(SEP)

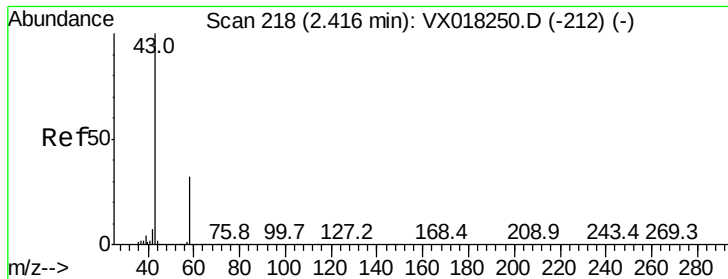
Tot Ion: 43 Resp: 5898
Ion Ratio Lower Upper
43 100
74 18.7 18.0 27.0



#13
Acrolein
Concen: 0.679 ug/l
RT: 2.14 min Scan# 172
Delta R.T. -0.14 min
Lab File: VX018260.D
Acq: 04 Sep 2020 15:13

Tgt Ion: 56 Resp: 275
Ion Ratio Lower Upper
56 100
55 88.0 59.7 89.5





#15

Acetone

Concen: 3642.601 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX018260.D

Acq: 04 Sep 2020 15:13

Instrument :

MSVOA_X

ClientSampleId :

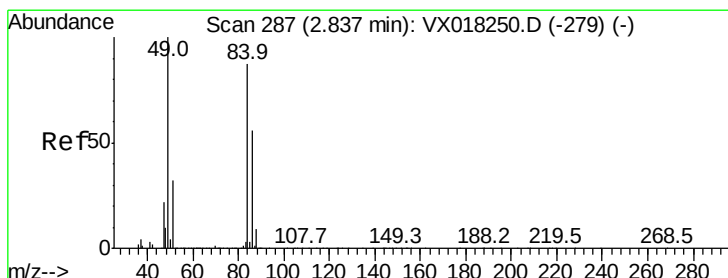
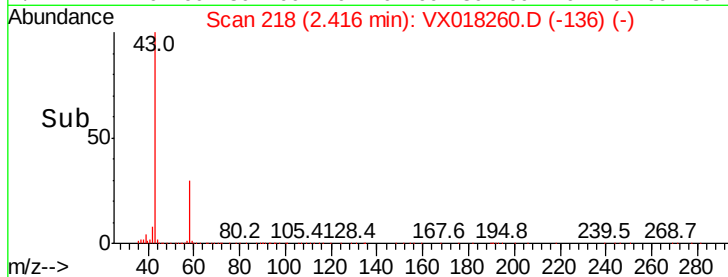
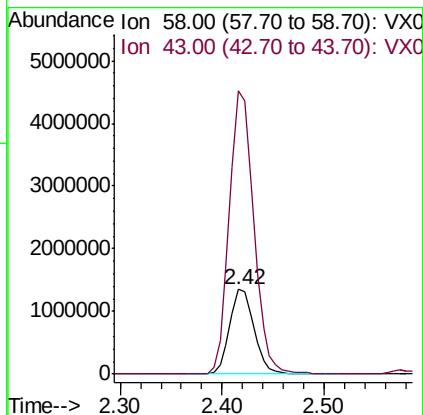
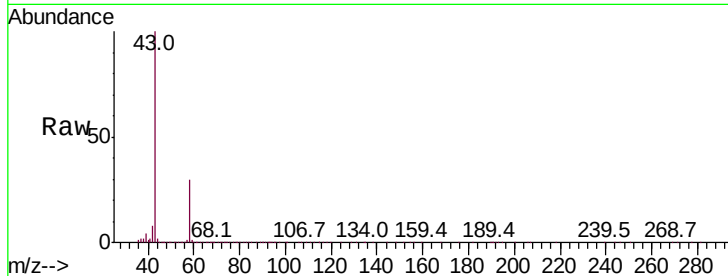
002-35TH-AVE-(SEP)

Tot Ion: 58 Resp: 2252497

Ion Ratio Lower Upper

58 100

43 333.2 248.2 372.2



#18

Methylene Chloride

Concen: 0.297 ug/l

RT: 2.85 min Scan# 289

Delta R.T. 0.01 min

Lab File: VX018260.D

Acq: 04 Sep 2020 15:13

Tgt Ion: 84 Resp: 1327

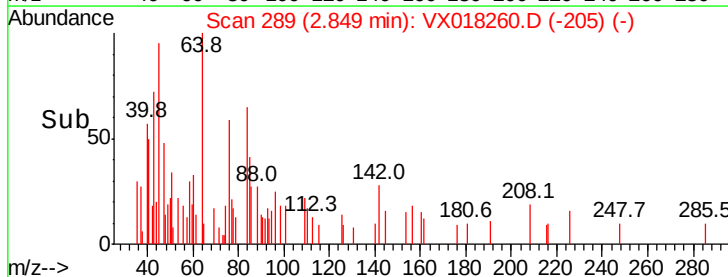
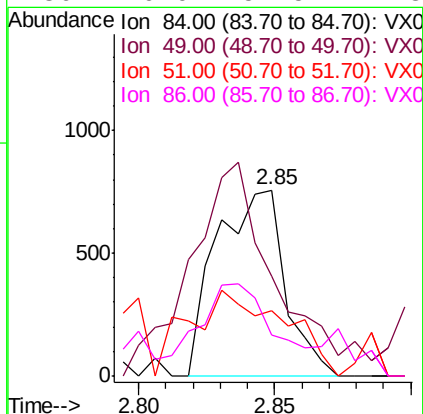
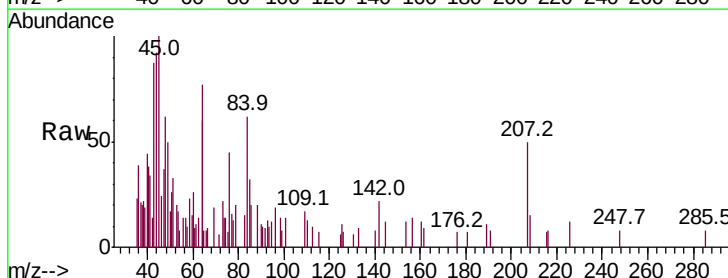
Ion Ratio Lower Upper

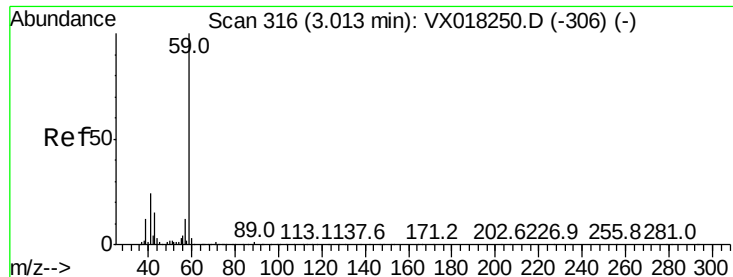
84 100

49 60.7 91.6 137.4#

51 35.3 29.4 44.0

86 0.0 51.5 77.3#



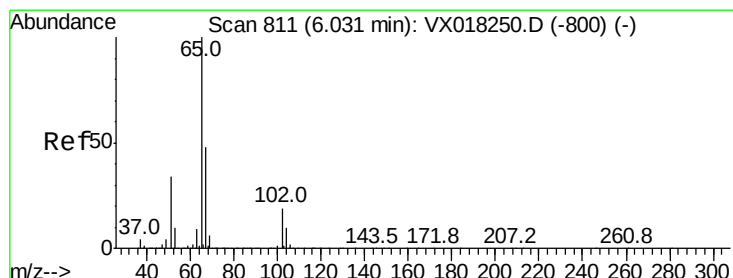
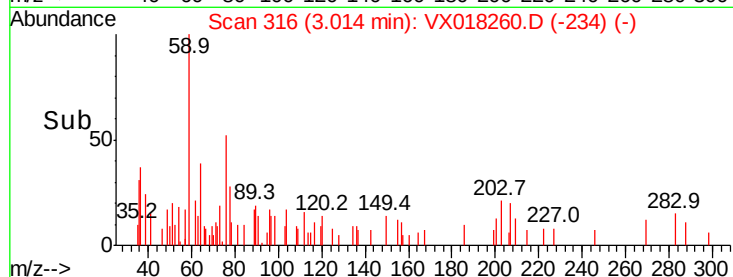
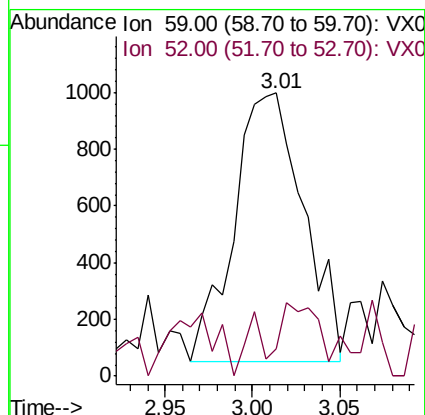
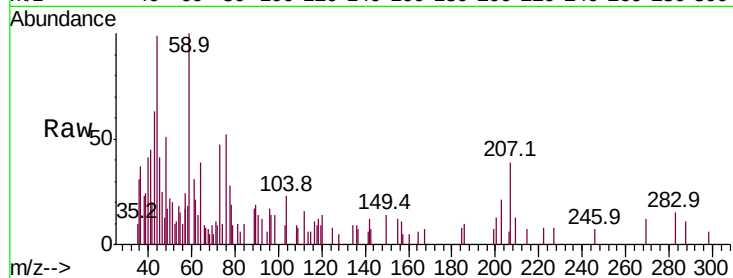


#23

tert-Butyl Alcohol
 Concen: 2.660 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: VX018260.D
 Acq: 04 Sep 2020 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE-(SEP)

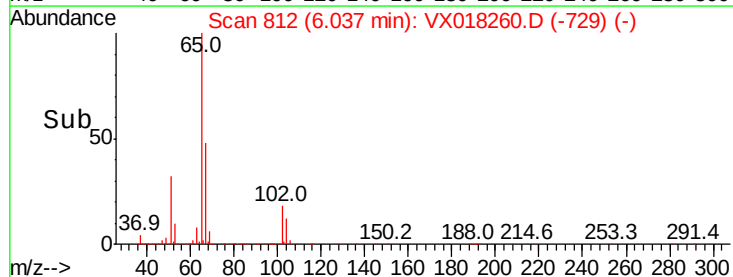
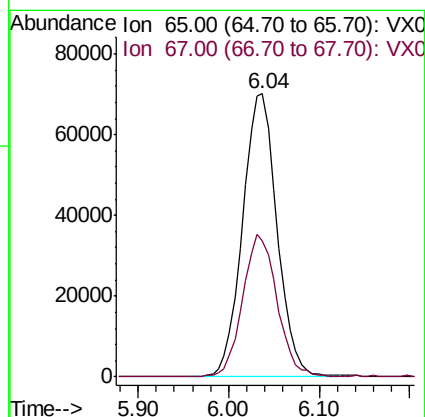
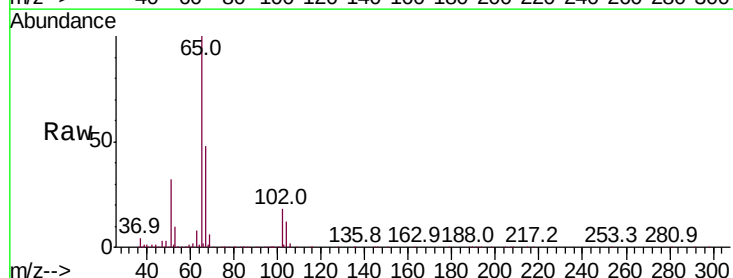
Tot Ion: 59 Resp: 2622
 Ion Ratio Lower Upper
 59 100
 52 10.8 0.4 0.6#

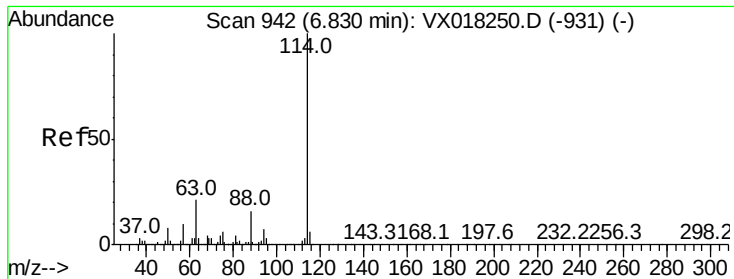


#27

1,2-Dichloroethane-d4
 Concen: 30.835 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX018260.D
 Acq: 04 Sep 2020 15:13

Tgt Ion: 65 Resp: 184400
 Ion Ratio Lower Upper
 65 100
 67 50.4 39.9 59.9

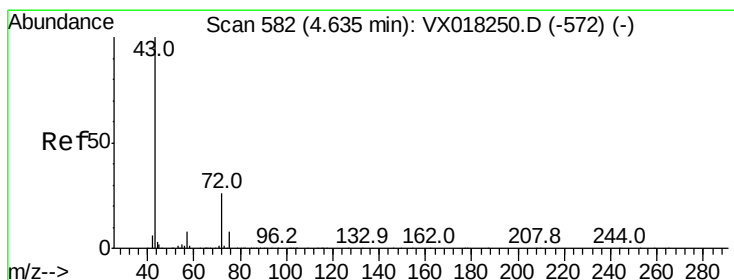
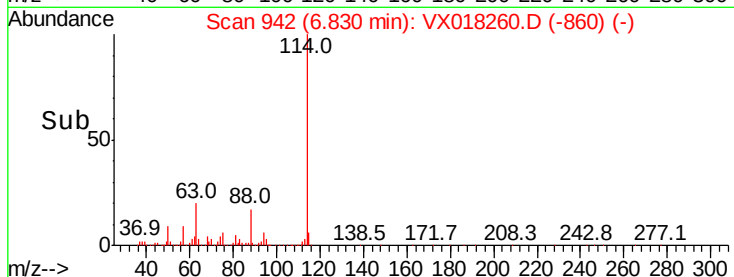
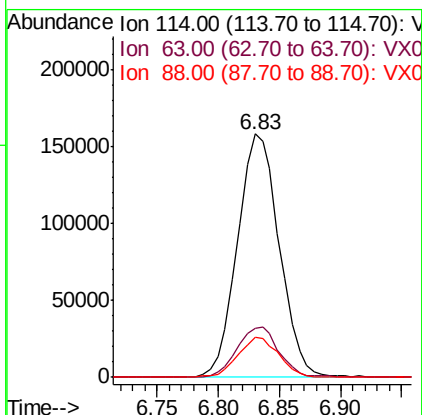
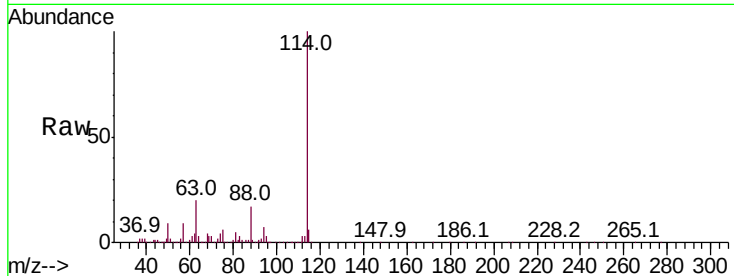




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX018260.D
 Acq: 04 Sep 2020 15:13

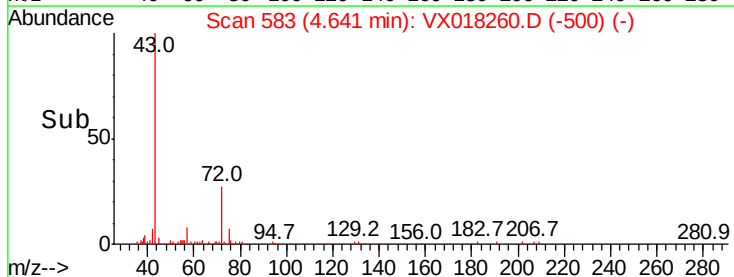
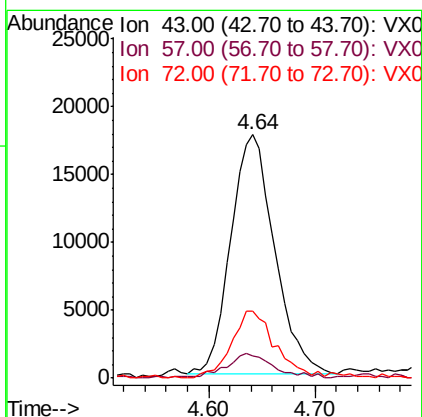
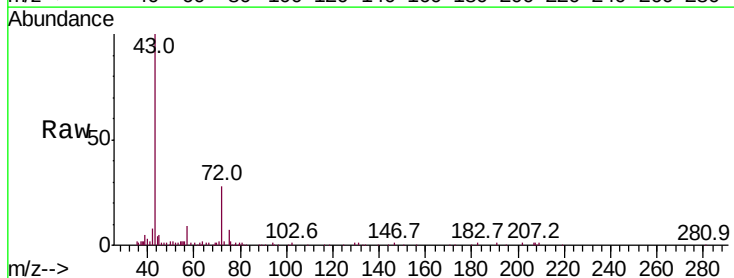
Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE-(SEP)

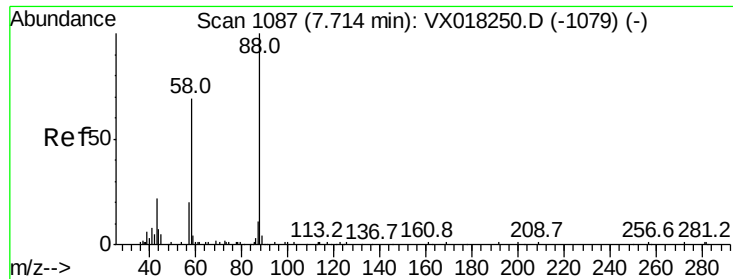
Tot Ion:114 Resp: 374551
 Ion Ratio Lower Upper
 114 100
 63 20.6 16.7 25.1
 88 16.4 12.6 18.8



#30
 2-Butanone
 Concen: 16.258 ug/l
 RT: 4.64 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VX018260.D
 Acq: 04 Sep 2020 15:13

Tgt Ion: 43 Resp: 50896
 Ion Ratio Lower Upper
 43 100
 57 9.4 6.7 10.1
 72 28.0 20.0 30.0

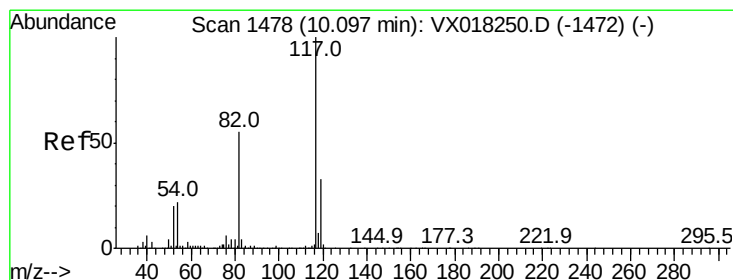
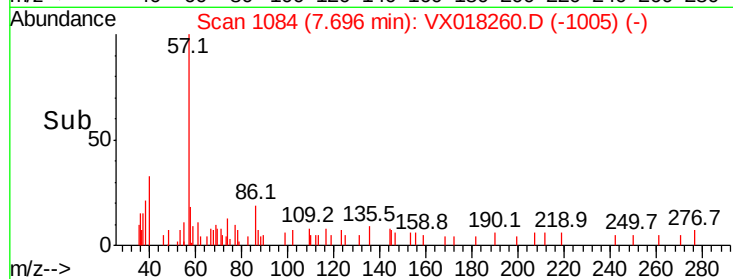
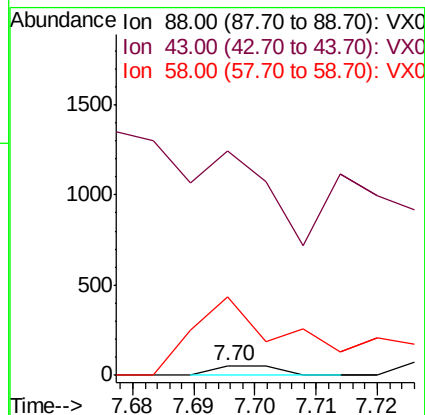
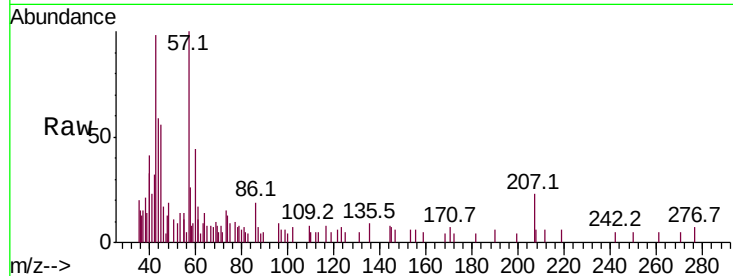




#45
1,4-Dioxane
Concen: 0.453 ug/l
RT: 7.70 min Scan# 1084
Delta R.T. -0.02 min
Lab File: VX018260.D
Acq: 04 Sep 2020 15:13

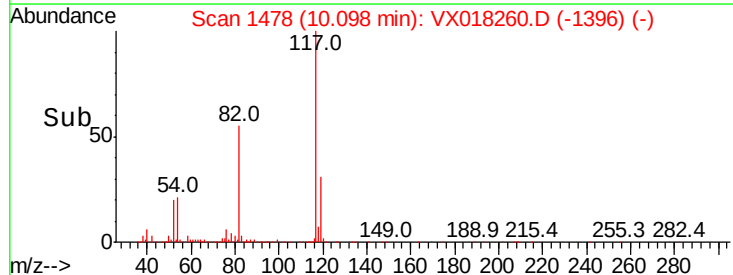
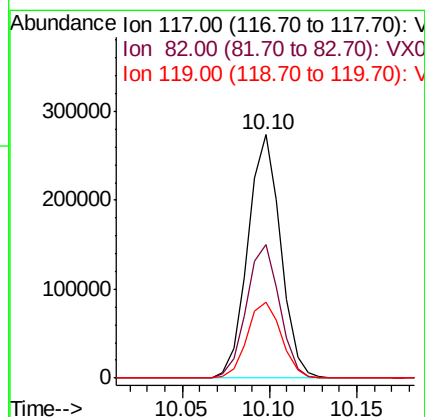
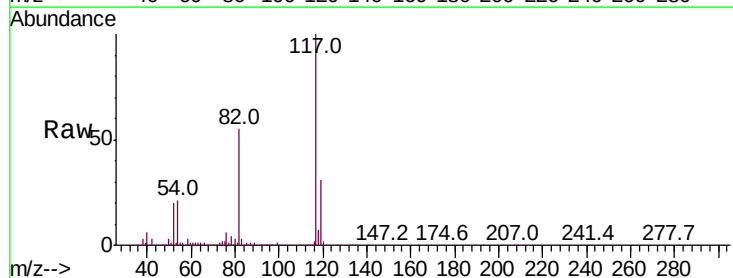
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(SEP)

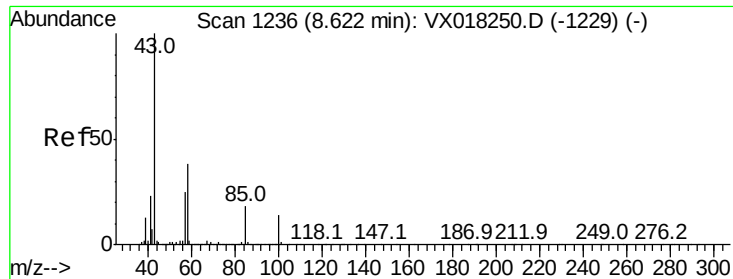
Tot Ion: 88 Resp: 38
Ion Ratio Lower Upper
88 100
43 1384.2 13.6 20.4#
58 1215.8 58.2 87.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018260.D
Acq: 04 Sep 2020 15:13

Tgt Ion: 117 Resp: 356246
Ion Ratio Lower Upper
117 100
82 55.5 44.2 66.4
119 32.7 26.1 39.1

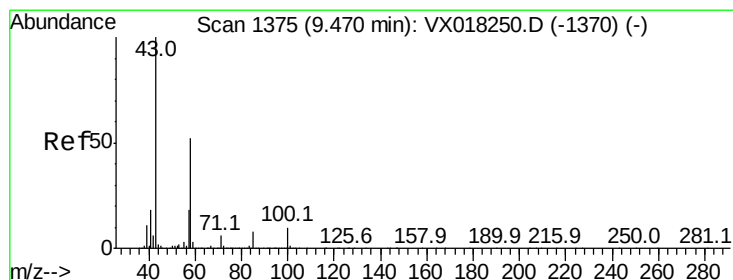
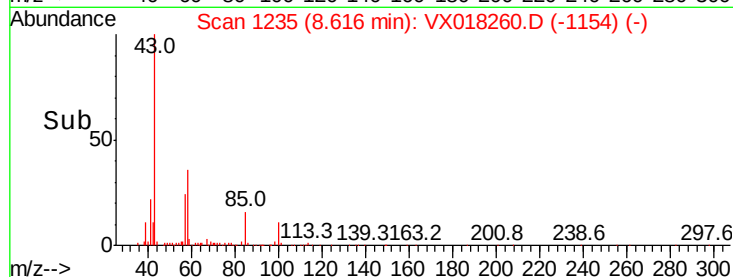
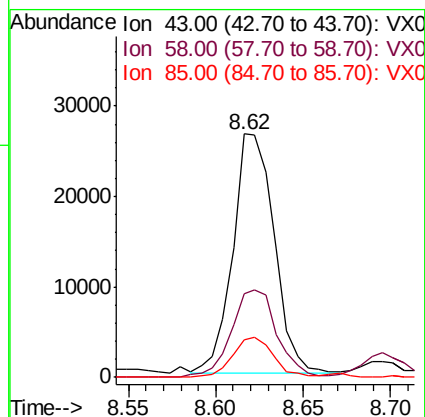
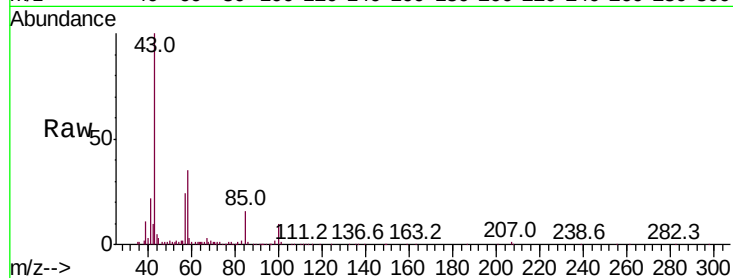




#58
 4-Methyl-2-Pentanone
 Concen: 7.095 ug/l
 RT: 8.62 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: VX018260.D
 Acq: 04 Sep 2020 15:13

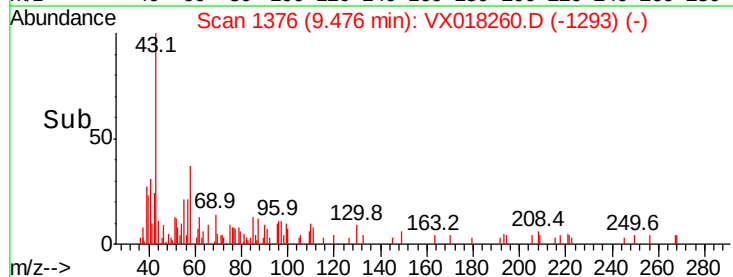
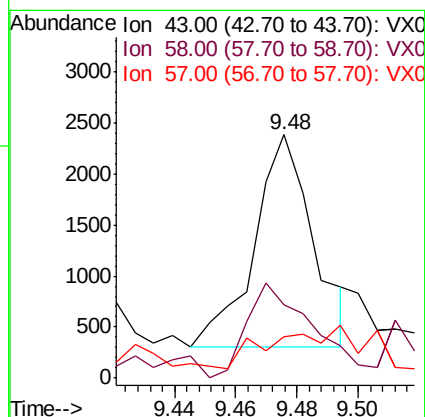
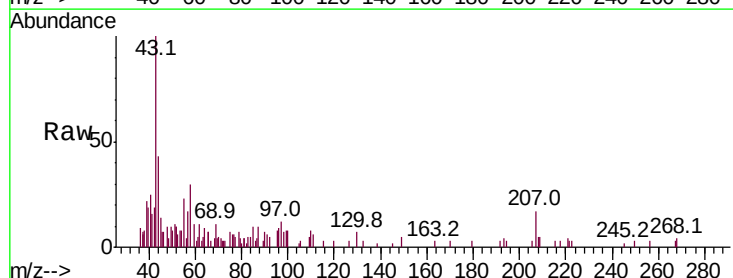
Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE-(SEP)

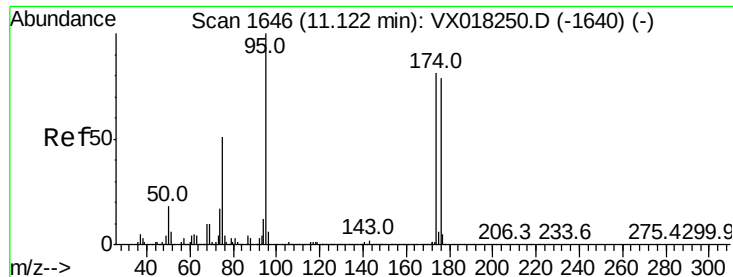
Tot Ion	Ratio	Lower	Upper
43	100		
58	40.3	30.0	45.0
85	16.9	14.2	21.4



#59
 2-Hexanone
 Concen: 0.599 ug/l
 RT: 9.48 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VX018260.D
 Acq: 04 Sep 2020 15:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	42.5	63.7#
57	10.2	14.8	22.2#





#60

4-Bromofluorobenzene

Concen: 28.226 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018260.D

Acq: 04 Sep 2020 15:13

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE-(SEP)

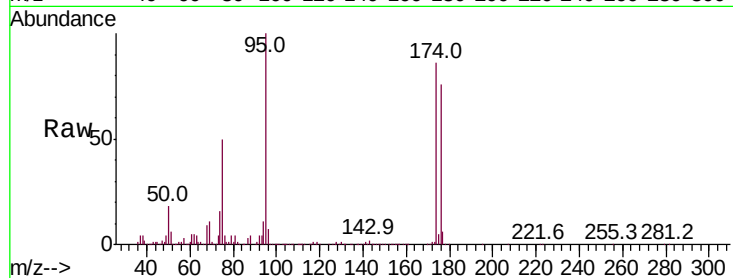
Tot Ion: 95 Resp: 174285

Ion Ratio Lower Upper

95 100

174 79.7 64.2 96.4

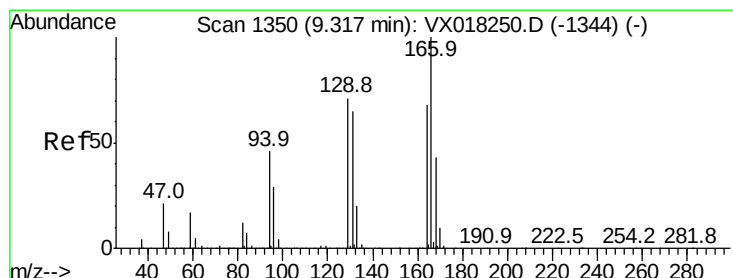
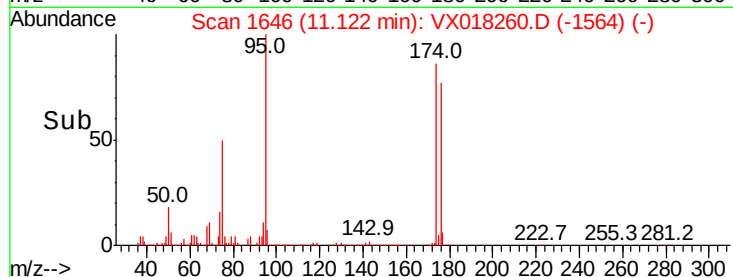
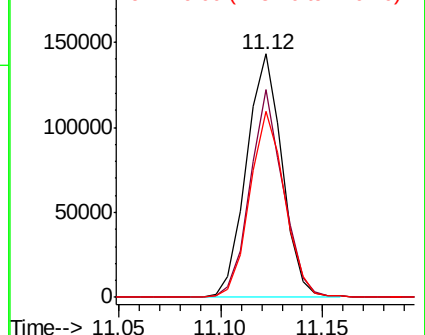
176 75.1 62.2 93.4



Abundance Ion 95.00 (94.70 to 95.70): VX018250.D (-1640) (-)

Ion 174.00 (173.70 to 174.70): VX018250.D (-1640) (-)

Ion 176.00 (175.70 to 176.70): VX018250.D (-1640) (-)



#61

Tetrachloroethene

Concen: 0.253 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VX018260.D

Acq: 04 Sep 2020 15:13

Tgt Ion: 164 Resp: 1123

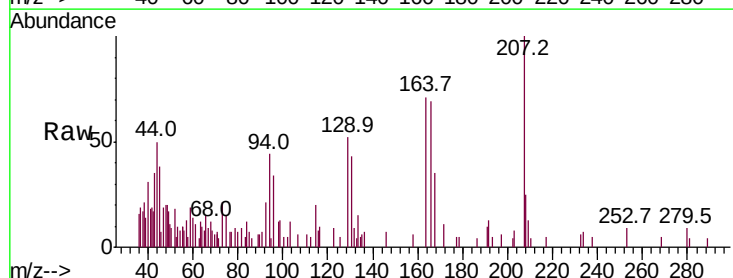
Ion Ratio Lower Upper

164 100

166 97.6 117.4 176.0#

129 66.4 82.7 124.1#

131 60.7 76.7 115.1#

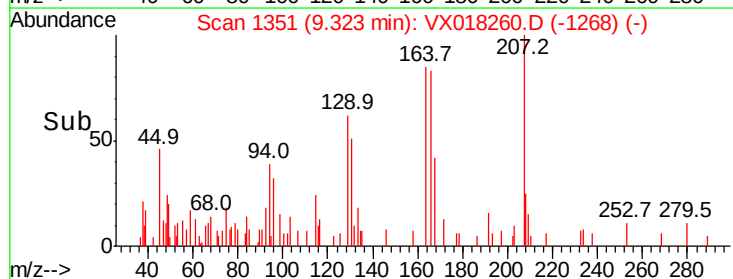
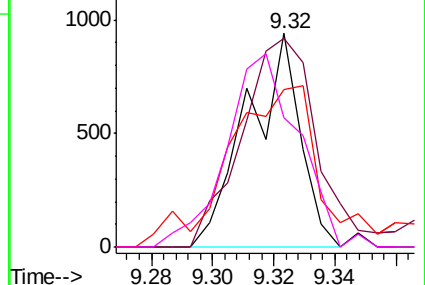


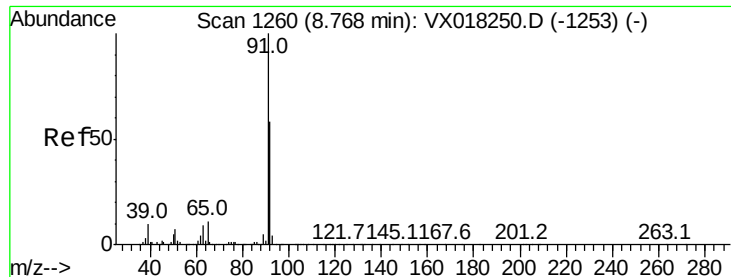
Abundance Ion 163.85 (163.55 to 164.55): VX018250.D (-1344) (-)

Ion 165.80 (165.50 to 166.50): VX018250.D (-1344) (-)

Ion 128.90 (128.60 to 129.60): VX018250.D (-1344) (-)

Ion 130.90 (130.60 to 131.60): VX018250.D (-1344) (-)





#62

Toluene

Concen: 3.824 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX018260.D

Acq: 04 Sep 2020 15:13

Instrument :

MSVOA_X

ClientSampleId :

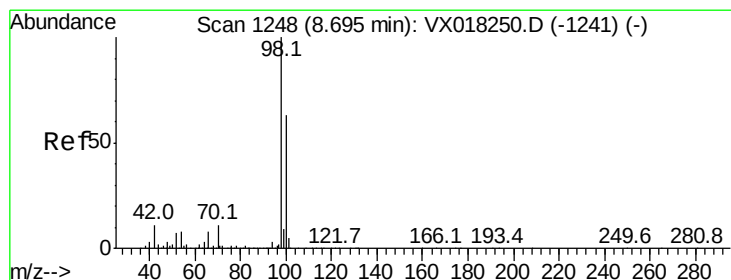
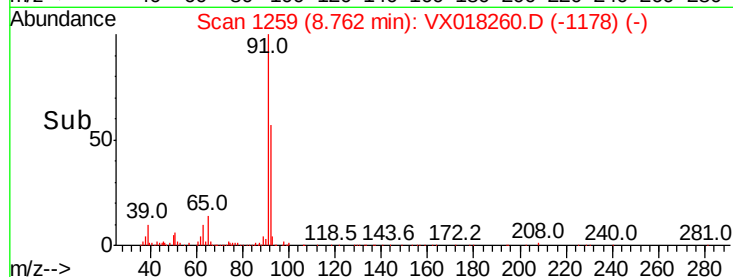
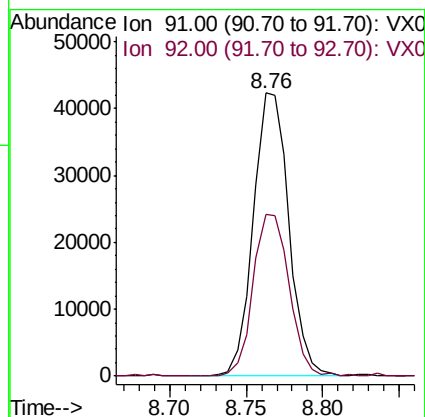
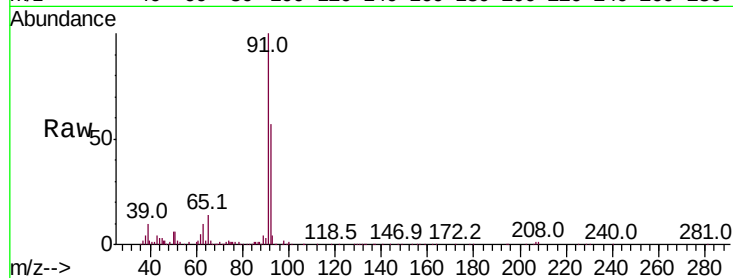
002-35TH-AVE-(SEP)

Tot Ion: 91 Resp: 68552

Ion Ratio Lower Upper

91 100

92 58.0 46.9 70.3



#63

Toluene-d8

Concen: 29.137 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018260.D

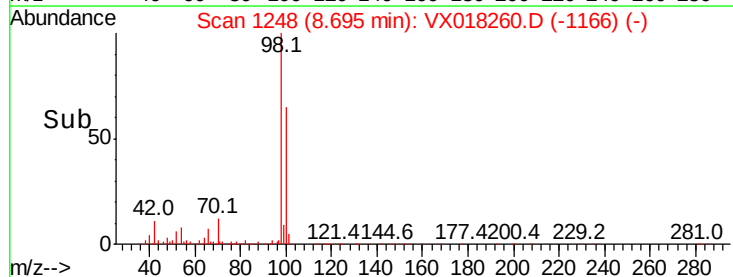
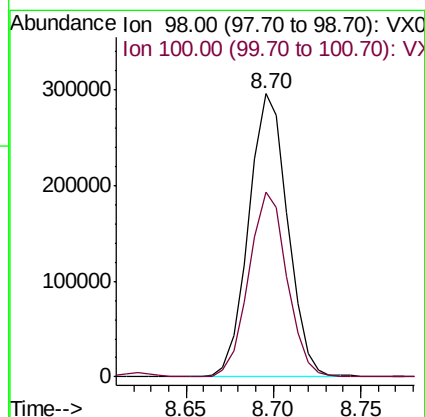
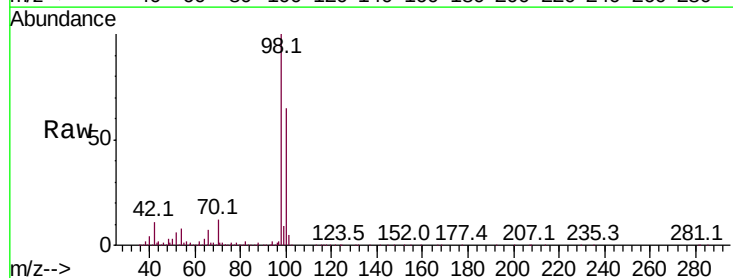
Acq: 04 Sep 2020 15:13

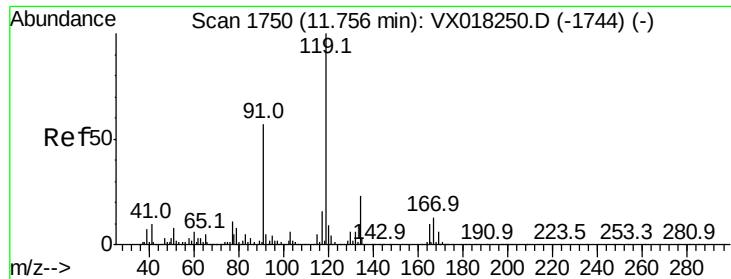
Tgt Ion: 98 Resp: 457509

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.0





#79

tert-butylbenzene

Concen: 0.214 ug/l

RT: 12.04 min Scan# 1797

Delta R.T. 0.29 min

Lab File: VX018260.D

Acq: 04 Sep 2020 15:13

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE-(SEP)

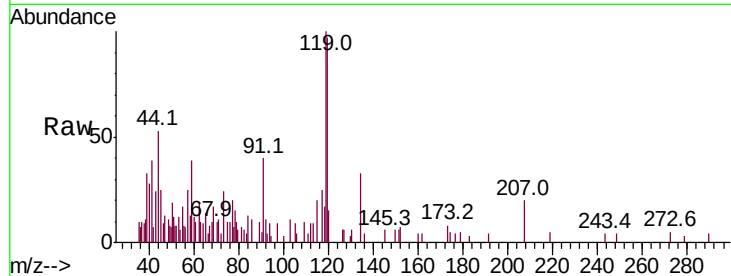
Tot Ion:119 Resp: 3567

Ion Ratio Lower Upper

119 100

91 34.1 0.0 111.8

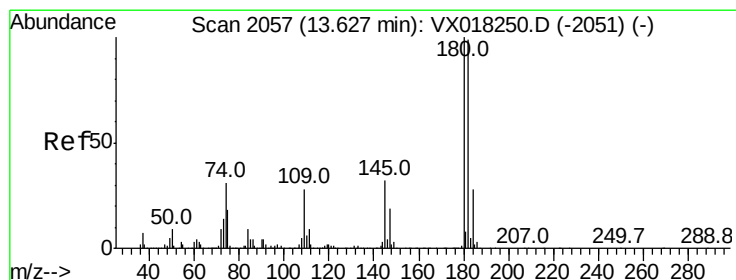
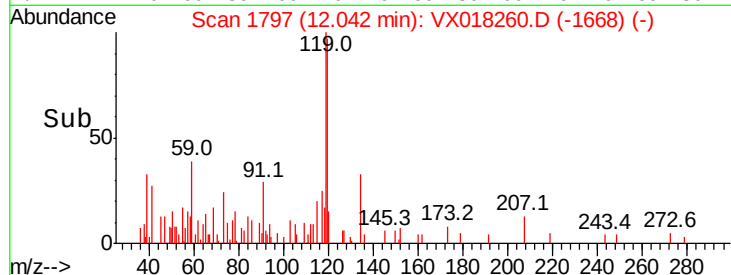
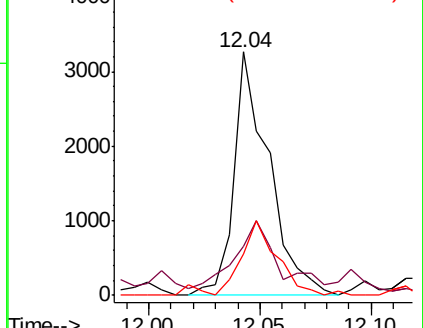
134 30.8 0.0 42.4



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



#89

1,2,4-Trichlorobenzene

Concen: 0.237 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX018260.D

Acq: 04 Sep 2020 15:13

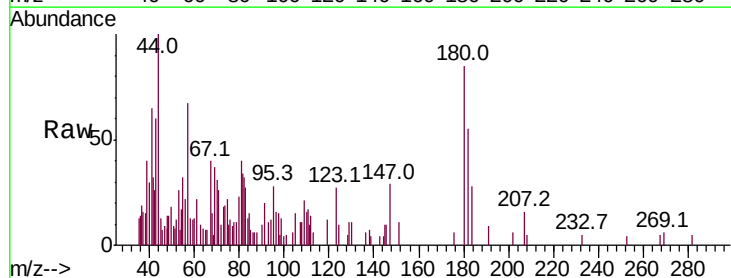
Tgt Ion:180 Resp: 1461

Ion Ratio Lower Upper

180 100

182 87.2 77.1 115.7

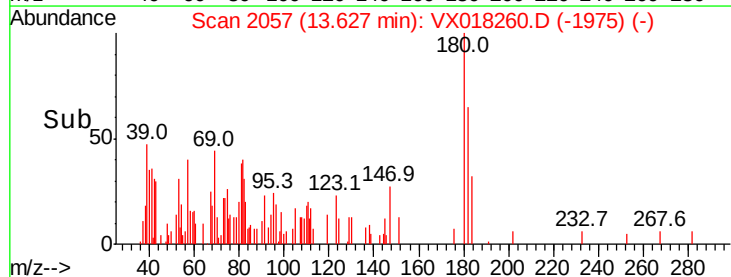
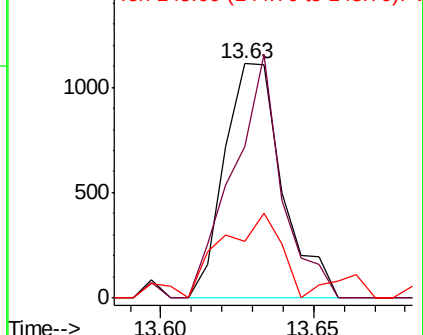
145 16.6 25.0 37.6#

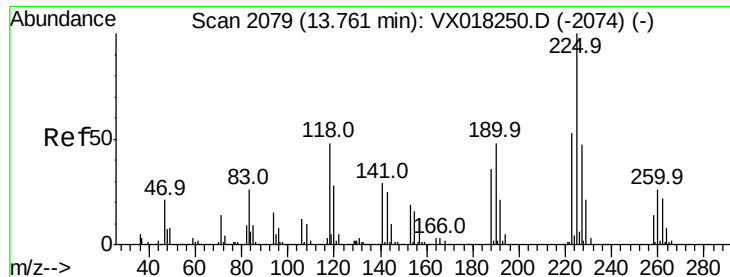


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#90

Hexachlorobutadiene

Concen: 0.243 ug/l

RT: 13.77 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX018260.D

Acq: 04 Sep 2020 15:13

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE-(SEP)

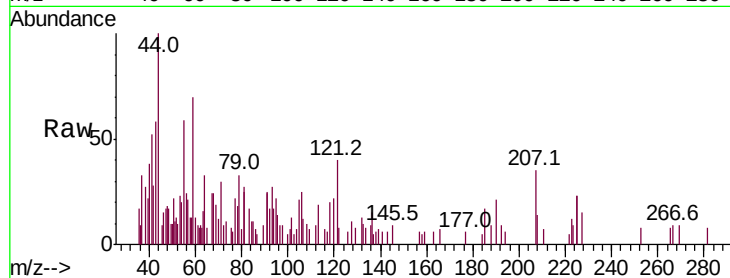
Tot Ion:225 Resp: 635

Ion Ratio Lower Upper

225 100

223 63.6 0.0 115.8

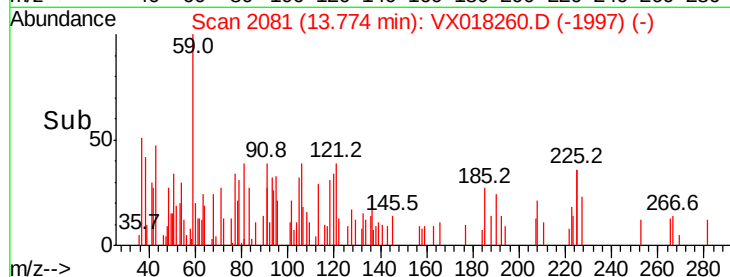
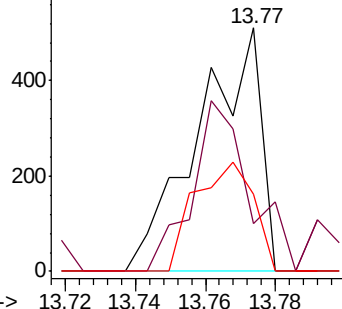
227 42.2 0.0 117.0



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 0.284 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018260.D

Acq: 04 Sep 2020 15:13

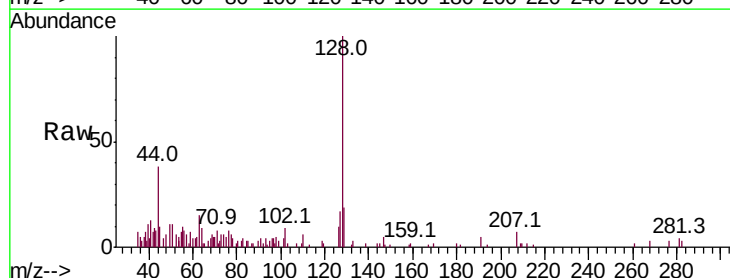
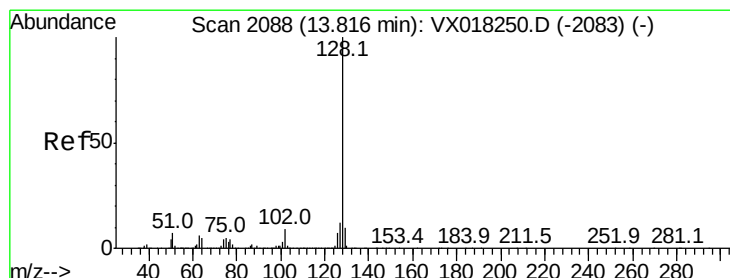
Tgt Ion:128 Resp: 5466

Ion Ratio Lower Upper

128 100

127 15.8 10.2 15.4#

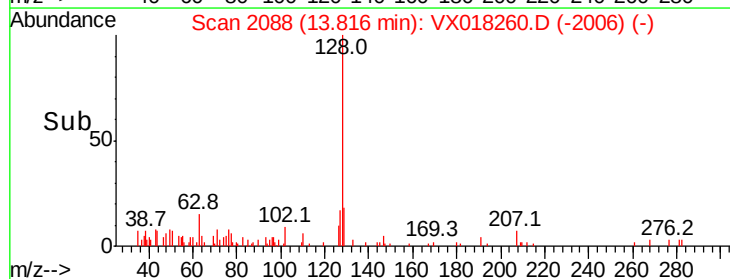
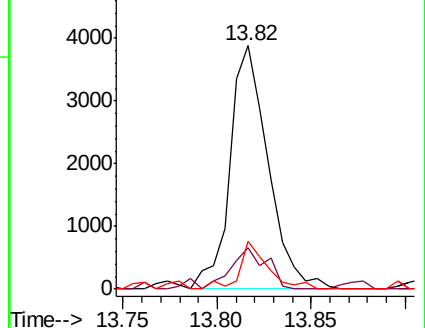
129 12.6 8.7 13.1

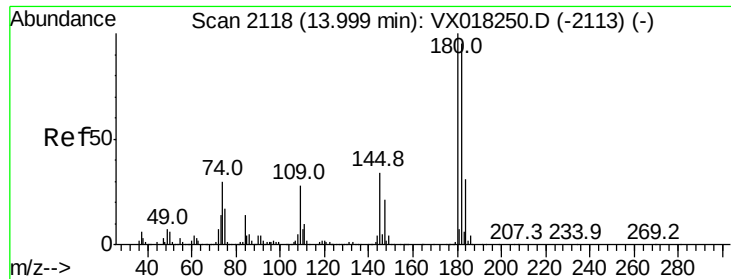


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

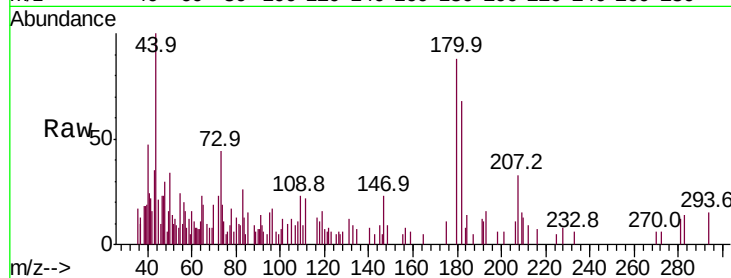




#92
 1,2,3-Trichlorobenzene
 Concen: 0.233 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.01 min
 Lab File: VX018260.D
 Acq: 04 Sep 2020 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE-(SEP)

Tot Ion	Ratio	Lower	Upper
180	100		
182	66.8	0.0	191.6
145	12.6	0.0	67.4



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

