

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060420\
 Data File : VX016579.D
 Acq On : 04 Jun 2020 12:14
 Operator : JC/SP
 Sample : L2859-01DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-USTDL

Quant Time: Jun 05 06:40:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	269743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	431674	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	421206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	225112	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	153786	45.91	ug/l	0.00
Spiked Amount			Recovery	=	91.82%	
35) Dibromofluoromethane	5.46	113	128089	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
50) Toluene-d8	8.70	98	530475	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
62) 4-Bromofluorobenzene	11.12	95	217763	54.47	ug/l	0.00
Spiked Amount			Recovery	=	108.94%	

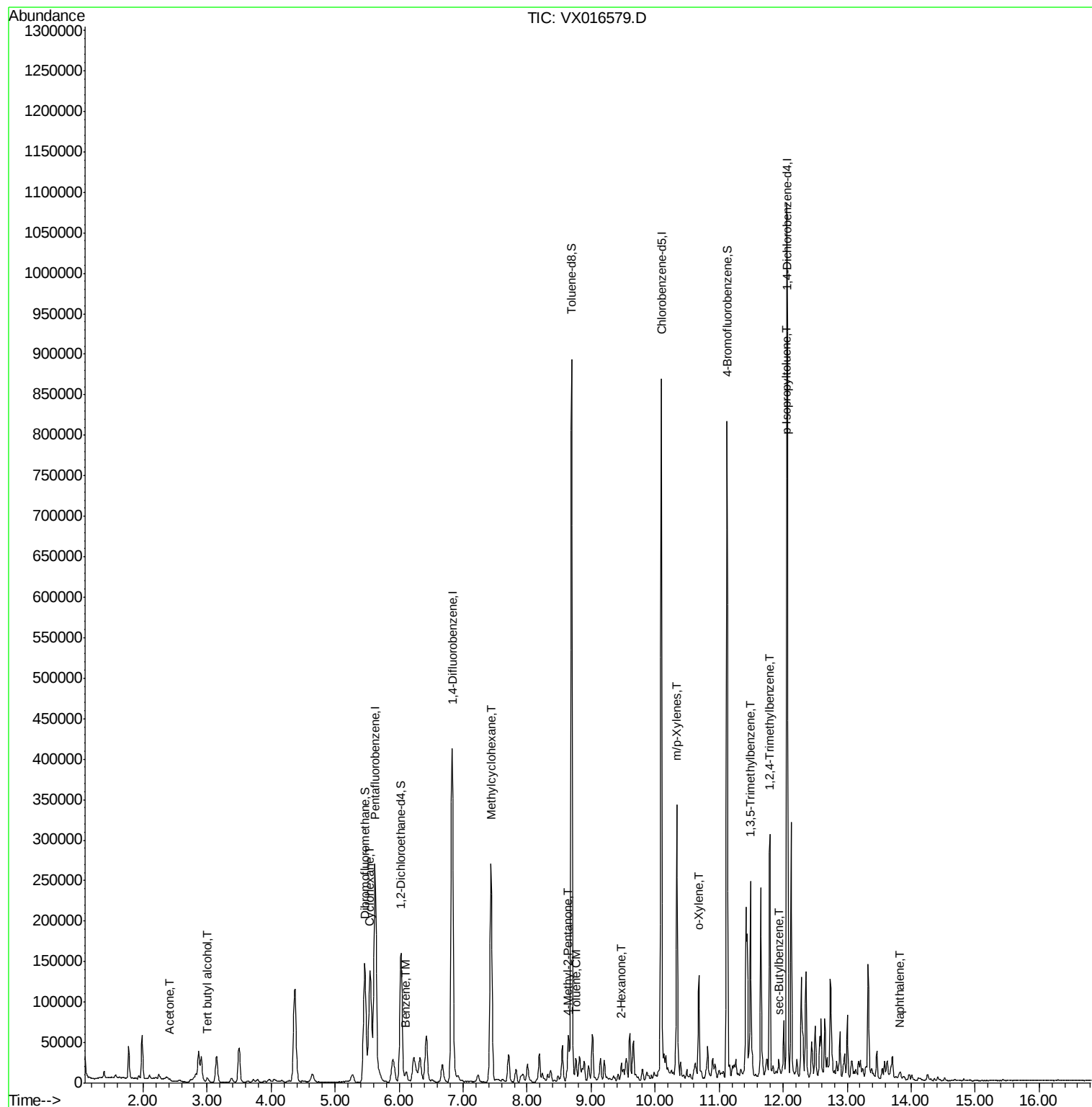
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	6316	7.353	ug/l #	94
16) Acetone	2.42	43	1871	1.275	ug/l #	61
31) Cyclohexane	5.55	56	101906	21.887	ug/l	98
39) Methylcyclohexane	7.44	83	129090	29.079	ug/l	97
40) Benzene	6.11	78	14482	1.190	ug/l	95
51) 4-Methyl-2-Pentanone	8.62	43	5740	1.204	ug/l	91
52) Toluene	8.76	92	9258	1.206	ug/l	99
59) 2-Hexanone	9.47	43	4543	1.226	ug/l	88
68) m/p-Xylenes	10.34	106	75399	13.301	ug/l	98
69) o-Xylene	10.68	106	26993	4.917	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	103868	7.975	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	136376	10.354	ug/l	99
85) sec-Butylbenzene	11.93	105	5941	0.426	ug/l	85
86) p-Isopropyltoluene	12.05	119	21963	1.680	ug/l	95
95) Naphthalene	13.82	128	5375	0.344	ug/l #	77

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

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Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX016579.D

Acq: 04 Jun 2020 12:14

Instrument :

MSVOA_X

ClientSampleId :

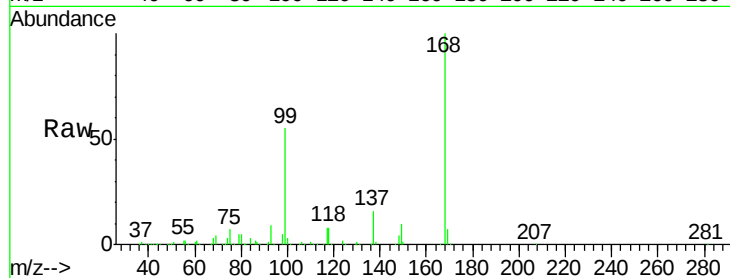
SP-USTDL

Tot Ion:168 Resp: 269743

Ion Ratio Lower Upper

168 100

99 55.2 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

100000

80000

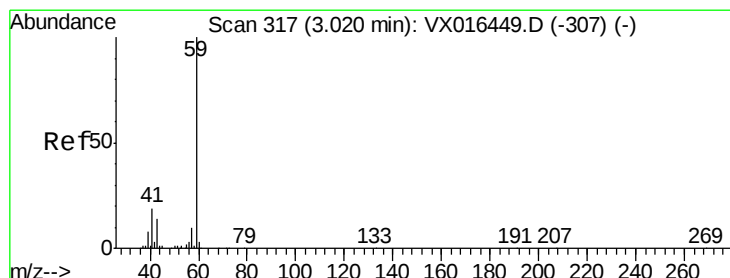
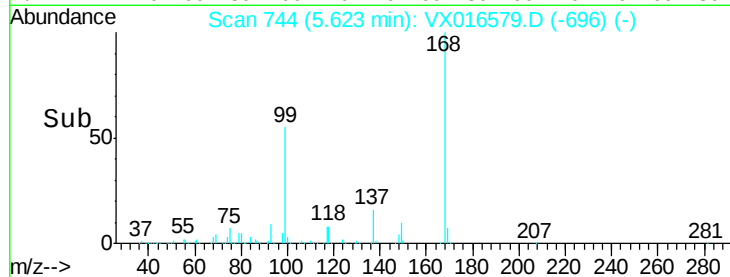
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 7.353 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX016579.D

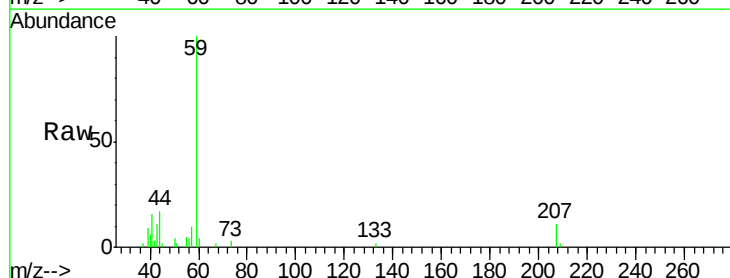
Acq: 04 Jun 2020 12:14

Tgt Ion: 59 Resp: 6316

Ion Ratio Lower Upper

59 100

57 12.5 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

10000

8000

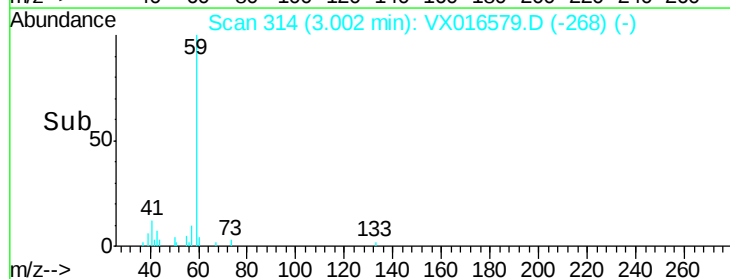
6000

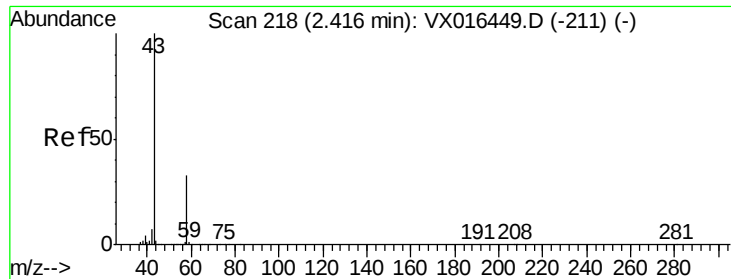
4000

2000

0

Time-->





#16

Acetone

Concen: 1.275 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016579.D

Acq: 04 Jun 2020 12:14

Instrument :

MSVOA_X

ClientSampleId :

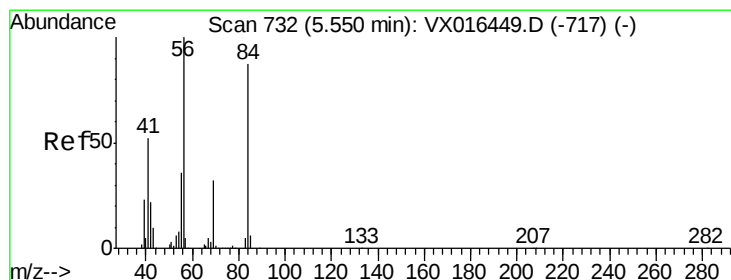
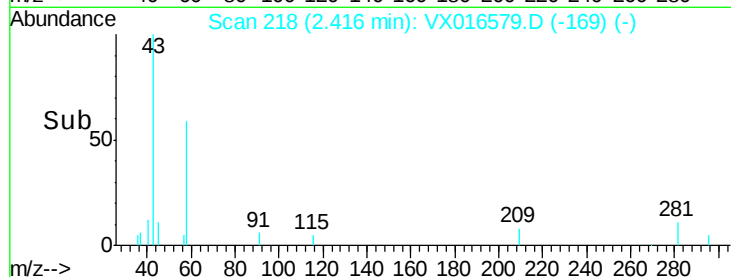
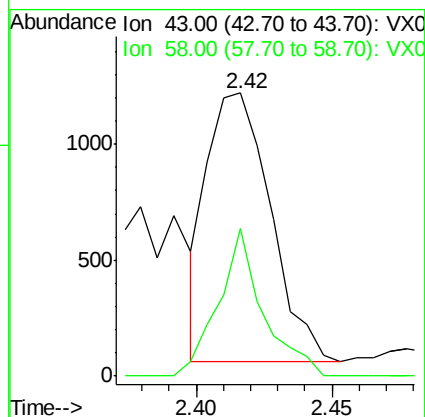
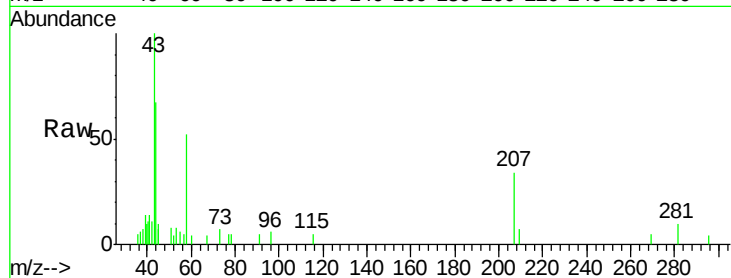
SP-USTDL

Tot Ion: 43 Resp: 1871

Ion Ratio Lower Upper

43 100

58 54.8 26.1 39.1#



#31

Cyclohexane

Concen: 21.887 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX016579.D

Acq: 04 Jun 2020 12:14

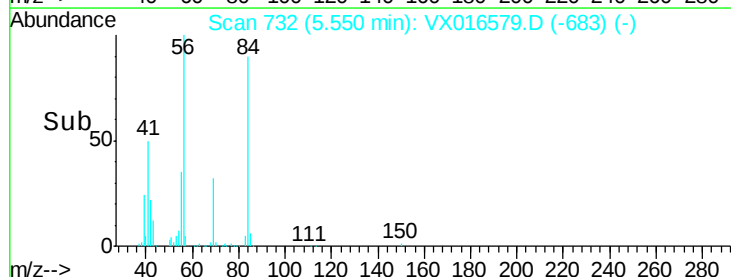
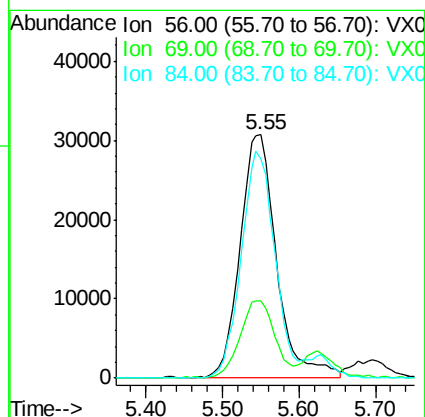
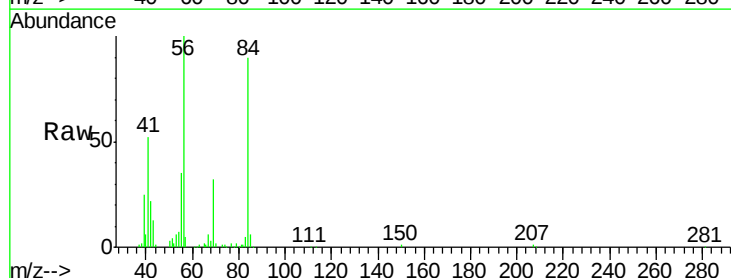
Tgt Ion: 56 Resp: 101906

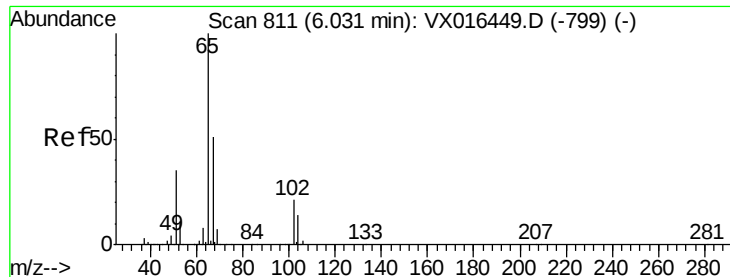
Ion Ratio Lower Upper

56 100

69 31.5 25.7 38.5

84 90.2 70.0 105.0





#33

1,2-Dichloroethane-d4

Concen: 45.908 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016579.D

Acq: 04 Jun 2020 12:14

Instrument :

MSVOA_X

ClientSampleId :

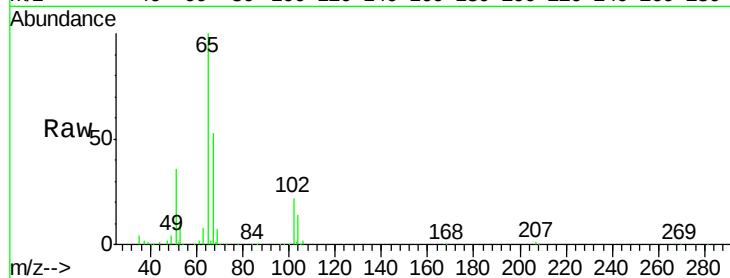
SP-USTDL

Tot Ion: 65 Resp: 153786

Ion Ratio Lower Upper

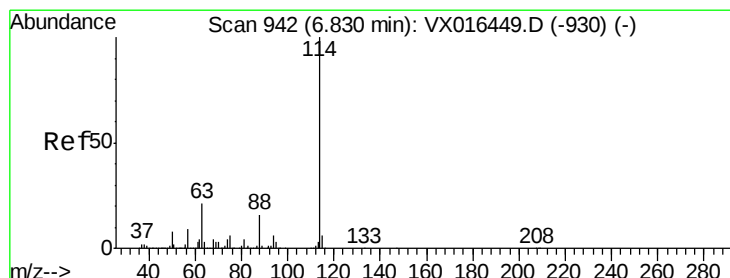
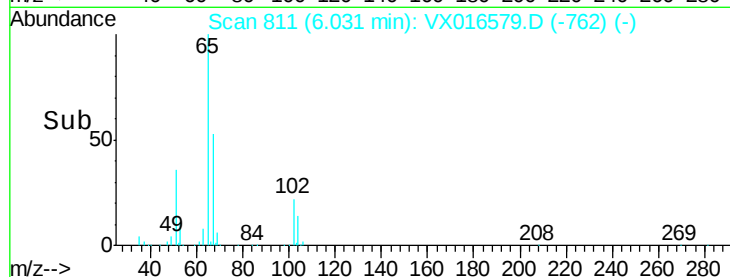
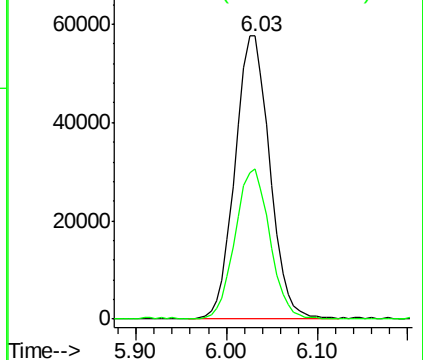
65 100

67 52.8 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016579.D

Acq: 04 Jun 2020 12:14

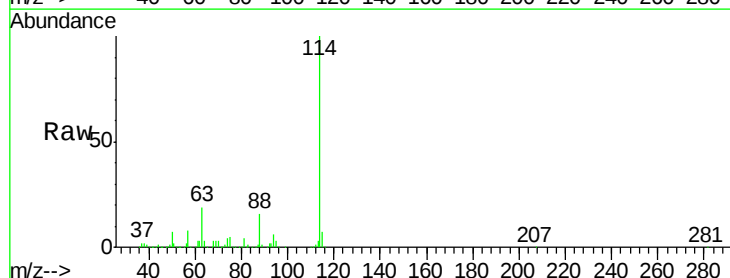
Tgt Ion: 114 Resp: 431674

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.6

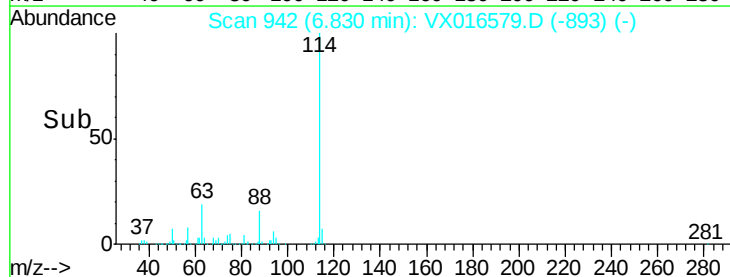
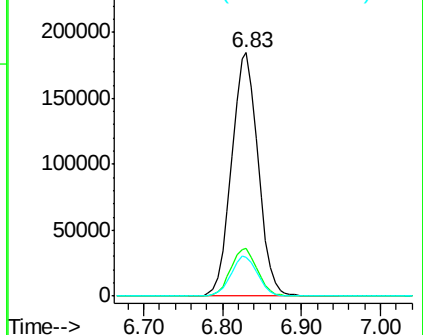
88 16.0 0.0 32.8

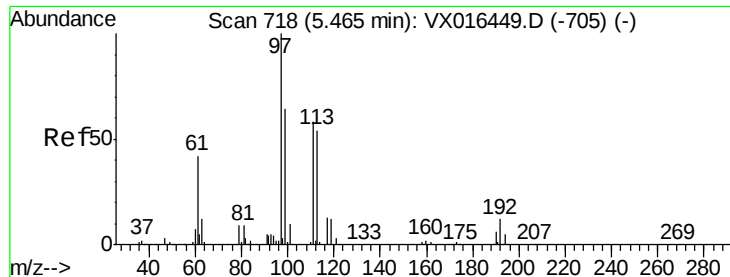


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.190 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX016579.D

Acq: 04 Jun 2020 12:14

Instrument :

MSVOA_X

ClientSampleId :

SP-USTDL

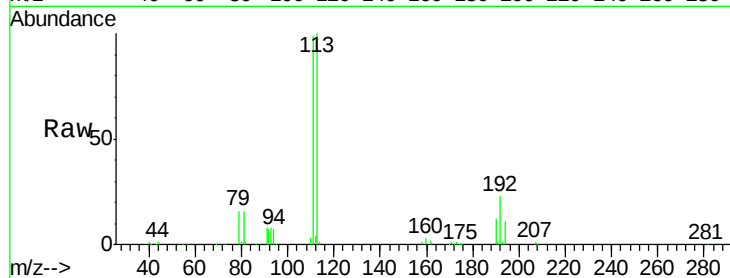
Tot Ion:113 Resp: 128089

Ion Ratio Lower Upper

113 100

111 101.8 83.0 124.6

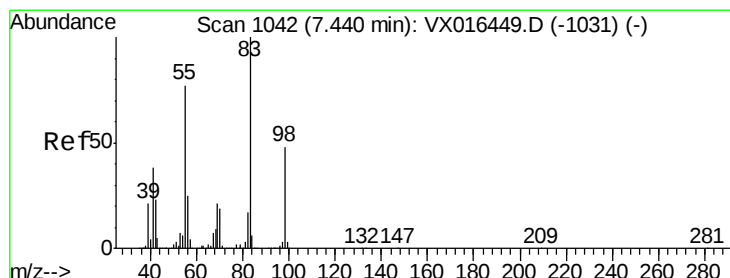
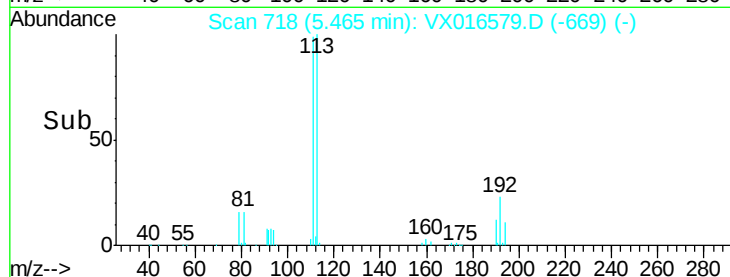
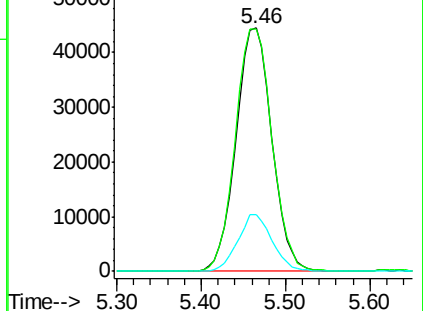
192 22.3 17.7 26.5



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



#39

Methylcyclohexane

Concen: 29.079 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX016579.D

Acq: 04 Jun 2020 12:14

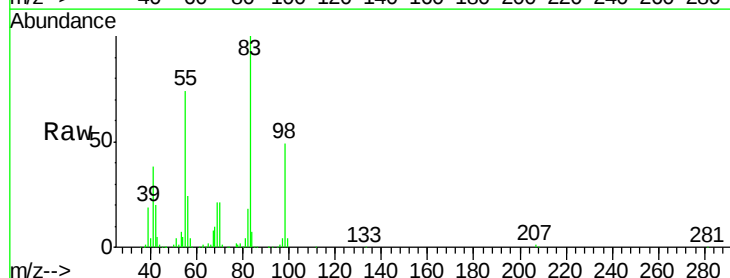
Tgt Ion: 83 Resp: 129090

Ion Ratio Lower Upper

83 100

55 73.6 61.7 92.5

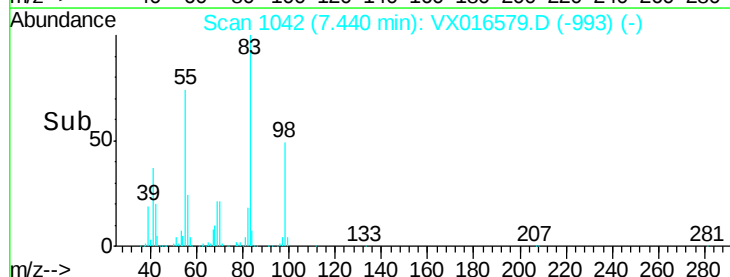
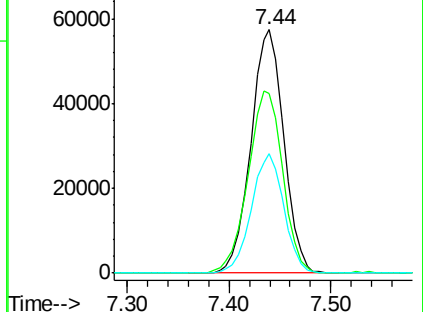
98 48.9 38.7 58.1

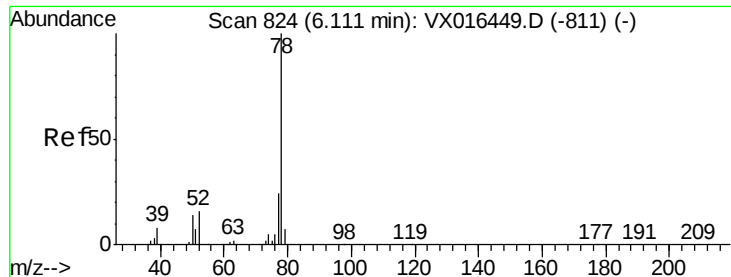


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 1.190 ug/l

RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

Lab File: VX016579.D

Acq: 04 Jun 2020 12:14

Instrument :

MSVOA_X

ClientSampleId :

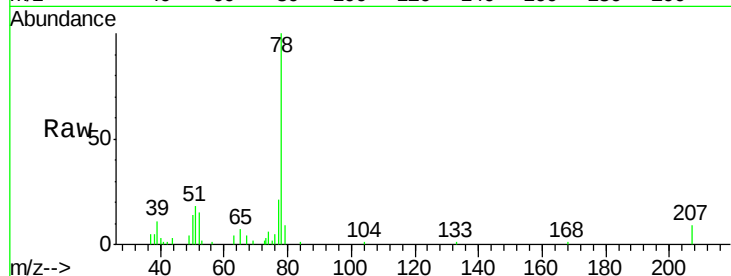
SP-USTDL

Tot Ion: 78 Resp: 14482

Ion Ratio Lower Upper

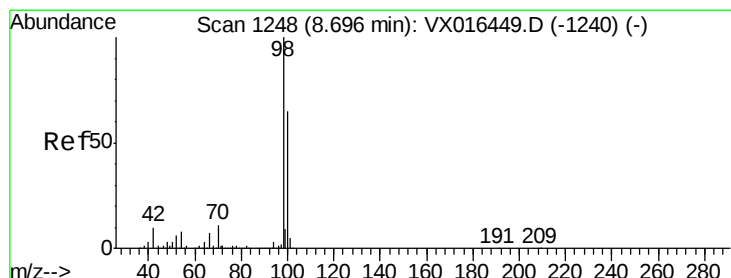
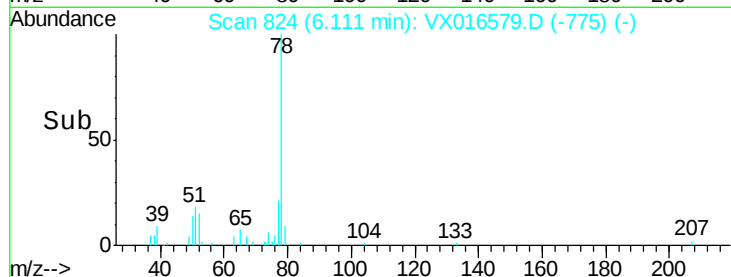
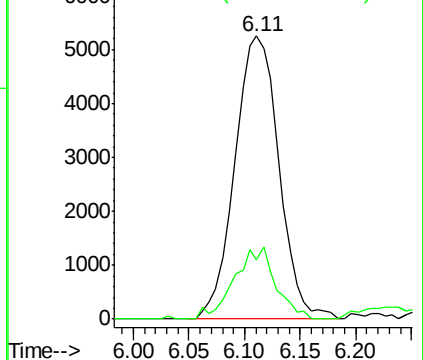
78 100

77 21.2 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 51.276 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016579.D

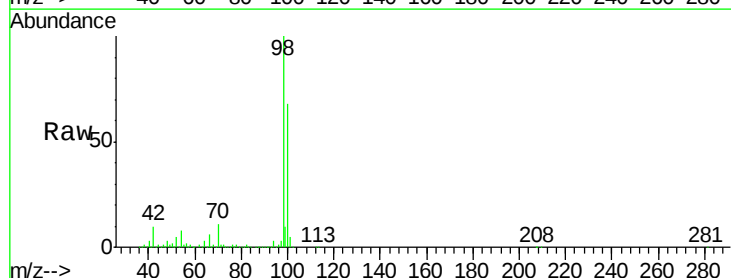
Acq: 04 Jun 2020 12:14

Tgt Ion: 98 Resp: 530475

Ion Ratio Lower Upper

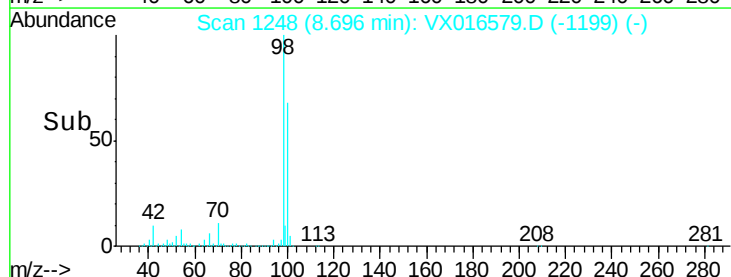
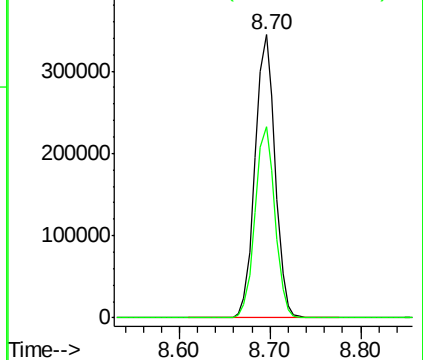
98 100

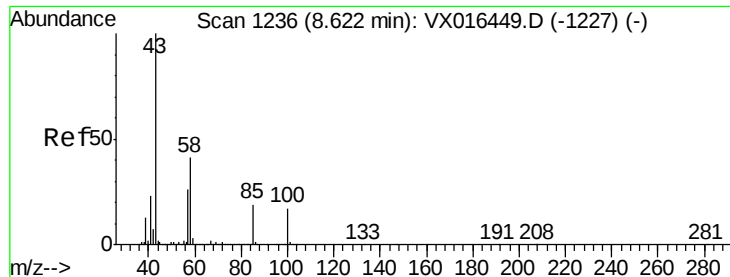
100 66.7 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 1.204 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX016579.D

Acq: 04 Jun 2020 12:14

Instrument :

MSVOA_X

ClientSampleId :

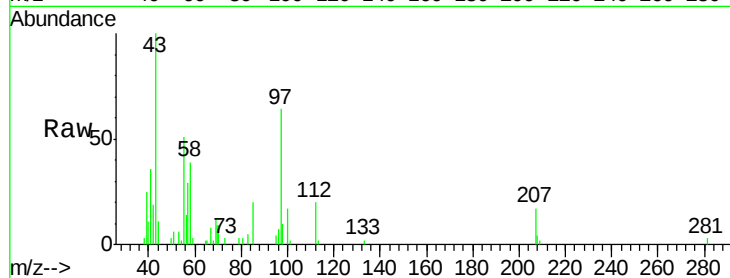
SP-USTDL

Tot Ion: 43 Resp: 5740

Ion Ratio Lower Upper

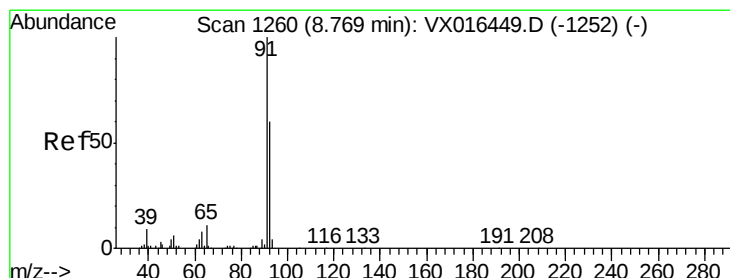
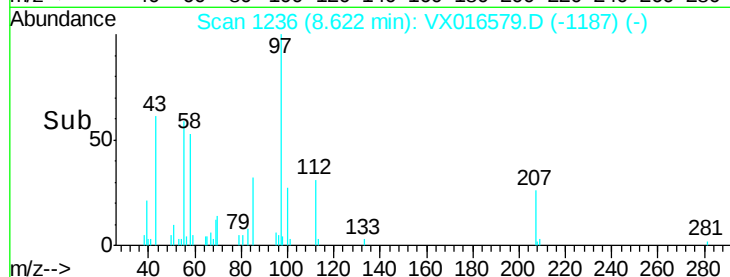
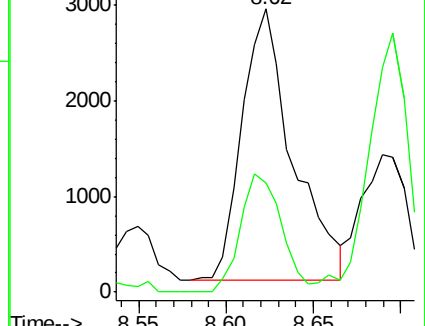
43 100

58 35.7 33.0 49.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 1.206 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016579.D

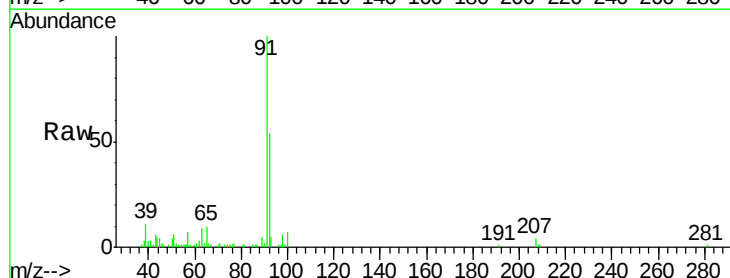
Acq: 04 Jun 2020 12:14

Tgt Ion: 92 Resp: 9258

Ion Ratio Lower Upper

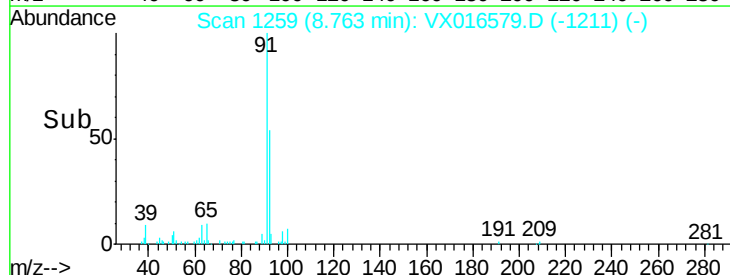
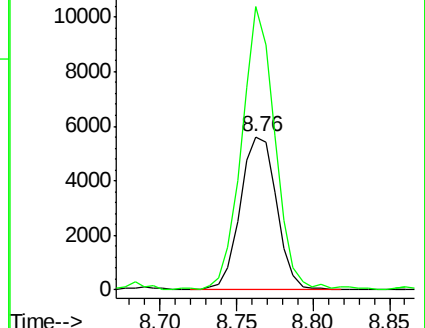
92 100

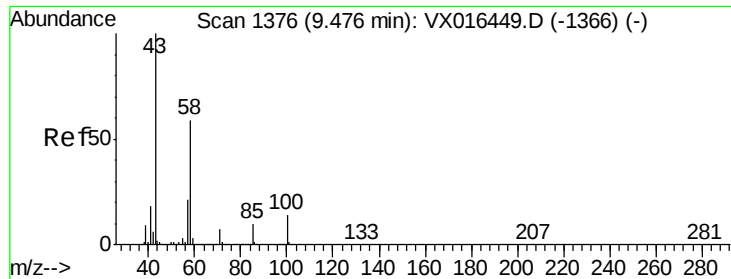
91 170.6 135.0 202.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

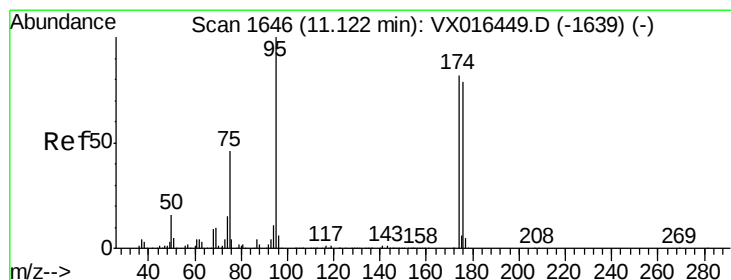
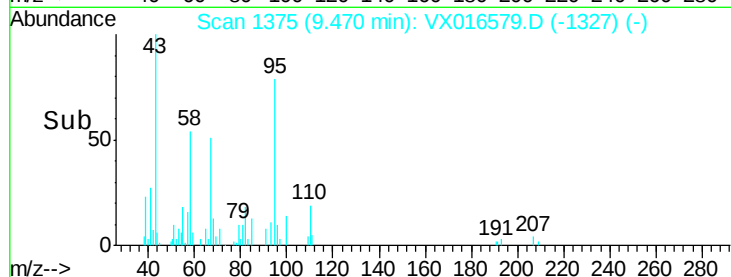
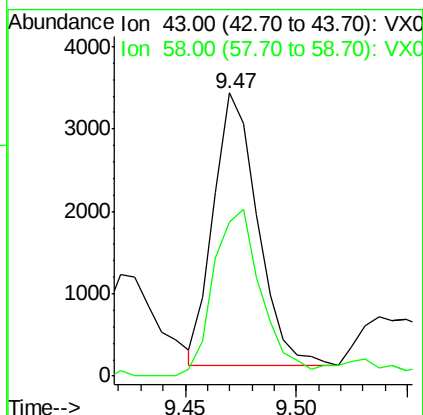
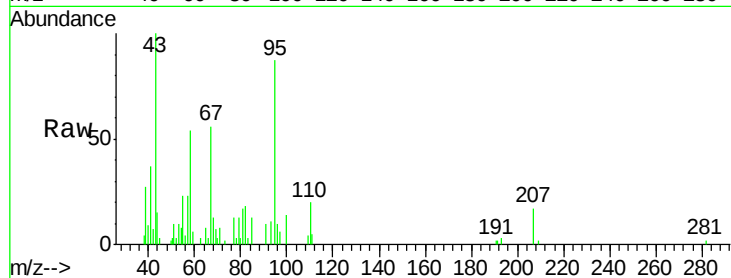




#59
2-Hexanone
Concen: 1.226 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX016579.D
Acq: 04 Jun 2020 12:14

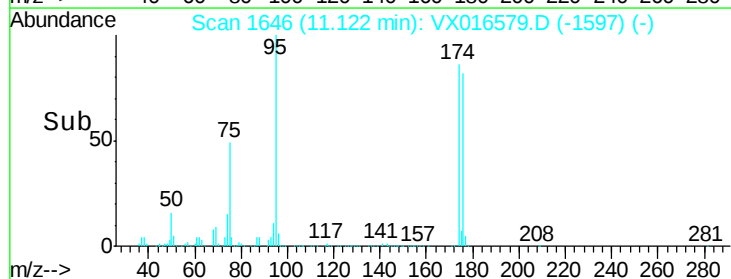
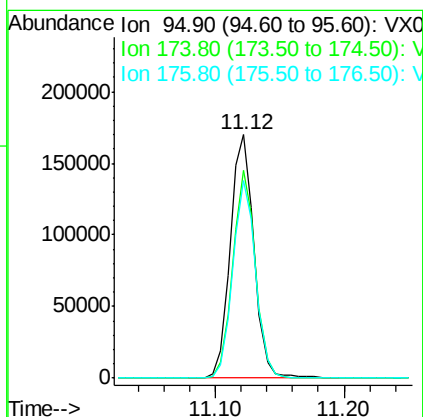
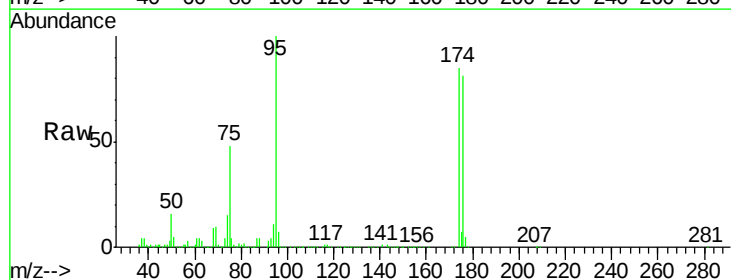
Instrument :
MSVOA_X
ClientSampleId :
SP-USTDL

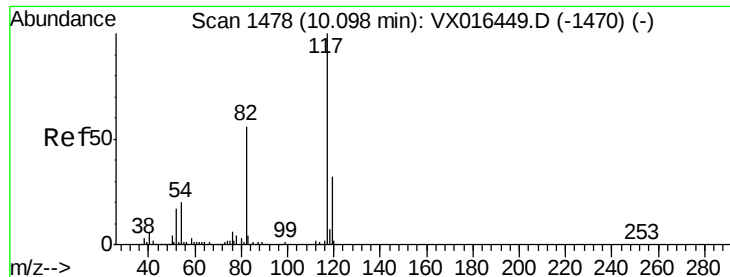
Tot Ion: 43 Resp: 4543
Ion Ratio Lower Upper
43 100
58 66.5 28.8 86.4



#62
4-Bromofluorobenzene
Concen: 54.475 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016579.D
Acq: 04 Jun 2020 12:14

Tgt Ion: 95 Resp: 217763
Ion Ratio Lower Upper
95 100
174 81.7 0.0 163.0
176 78.8 0.0 156.8

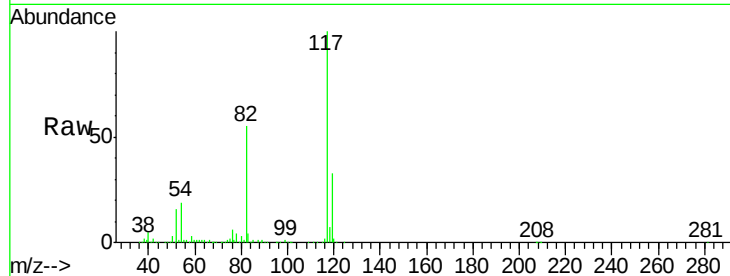




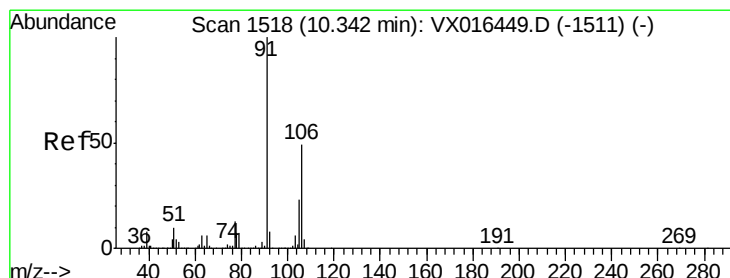
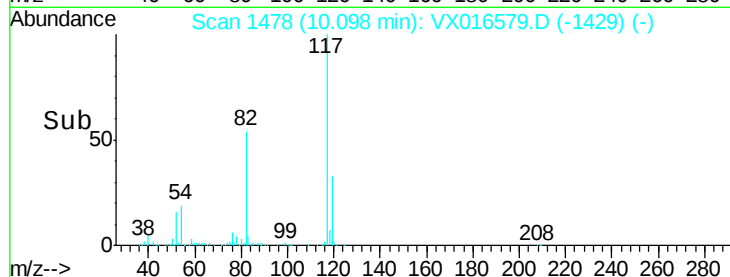
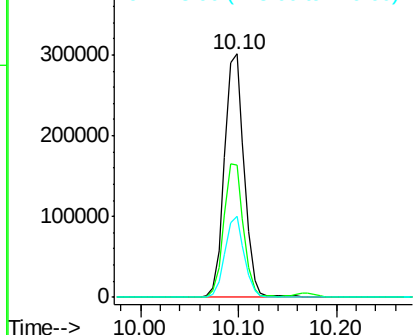
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016579.D
Acq: 04 Jun 2020 12:14

Instrument :
MSVOA_X
ClientSampleId :
SP-USTDL

Tot Ion:117 Resp: 421206
Ion Ratio Lower Upper
117 100
82 54.5 45.0 67.6
119 33.4 25.8 38.8

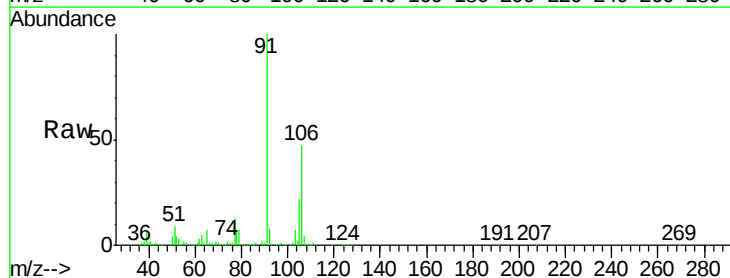


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

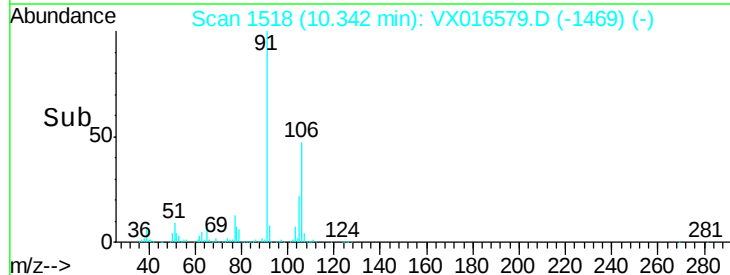
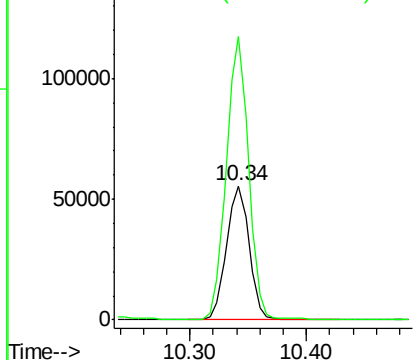


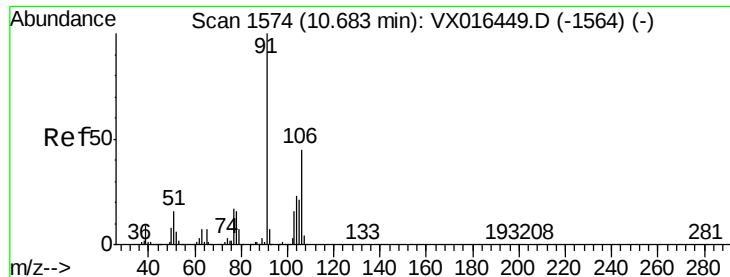
#68
m/p-Xylenes
Concen: 13.301 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX016579.D
Acq: 04 Jun 2020 12:14

Tgt Ion:106 Resp: 75399
Ion Ratio Lower Upper
106 100
91 207.4 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

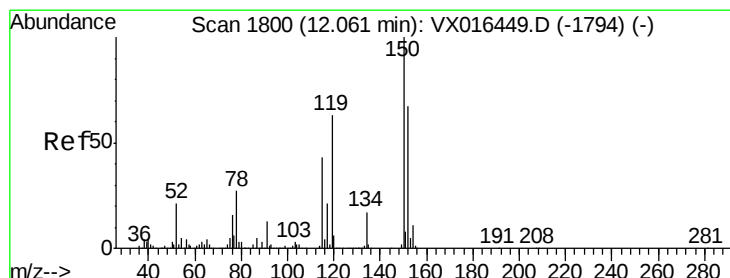
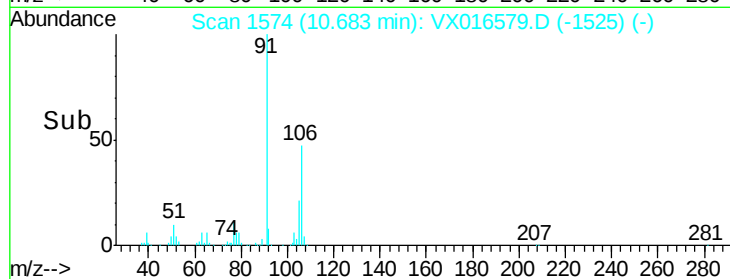
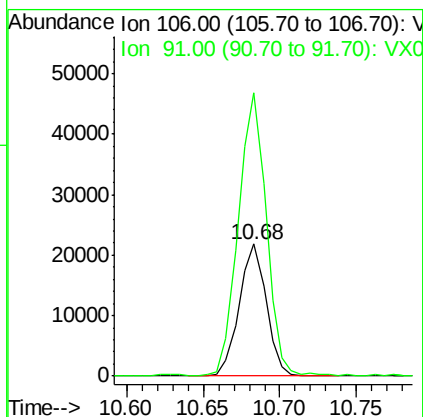
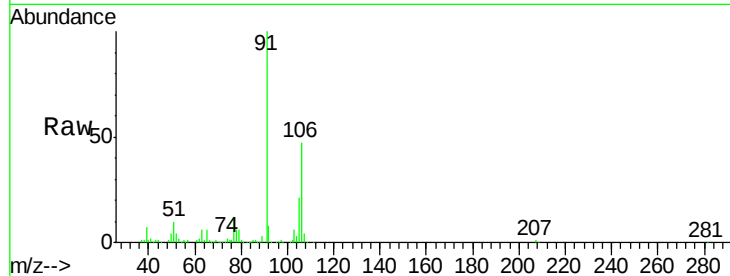




#69
o-Xylene
Concen: 4.917 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX016579.D
Acq: 04 Jun 2020 12:14

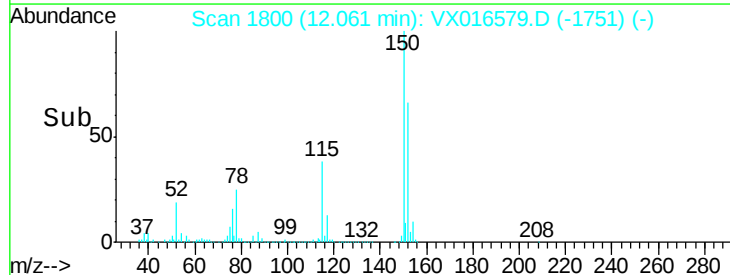
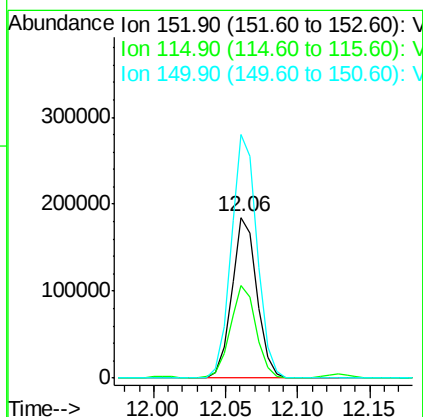
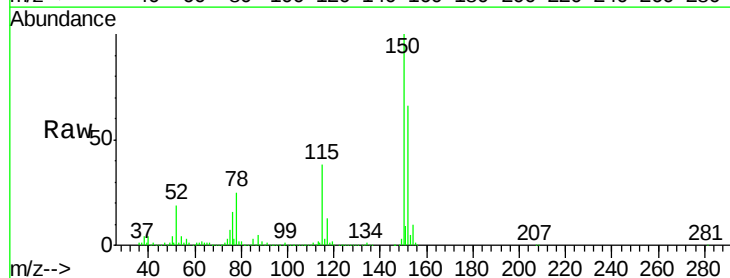
Instrument :
MSVOA_X
ClientSampleId :
SP-USTDL

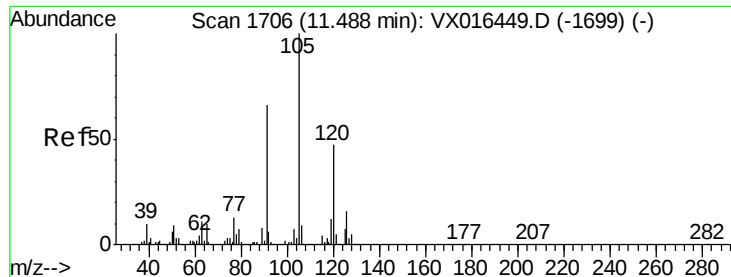
Tot Ion:106 Resp: 26993
Ion Ratio Lower Upper
106 100
91 217.9 109.6 328.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX016579.D
Acq: 04 Jun 2020 12:14

Tgt Ion:152 Resp: 225112
Ion Ratio Lower Upper
152 100
115 59.4 39.9 119.6
150 156.1 0.0 341.0





#80

1,3,5-Trimethylbenzene

Concen: 7.975 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX016579.D

Acq: 04 Jun 2020 12:14

Instrument :

MSVOA_X

ClientSampleId :

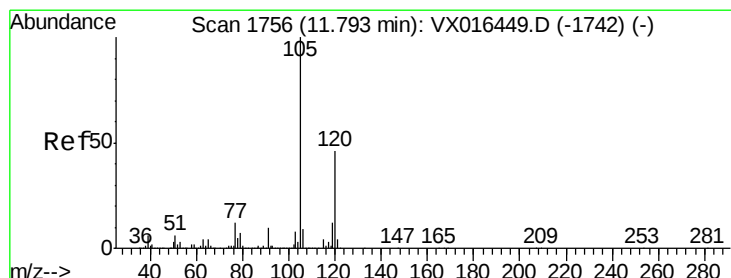
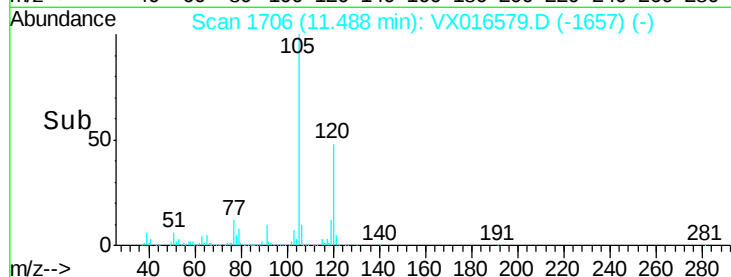
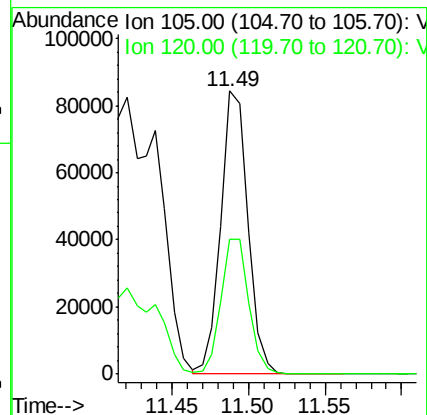
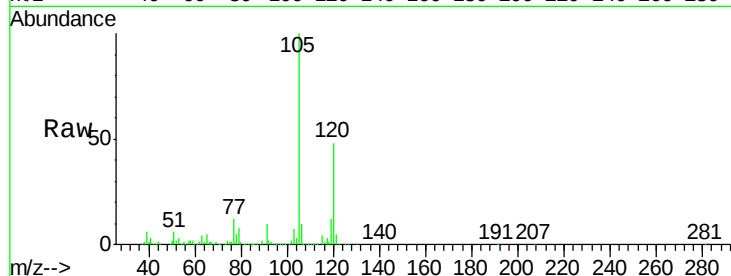
SP-USTDL

Tot Ion:105 Resp: 103868

Ion Ratio Lower Upper

105 100

120 49.0 24.3 72.8



#84

1,2,4-Trimethylbenzene

Concen: 10.354 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX016579.D

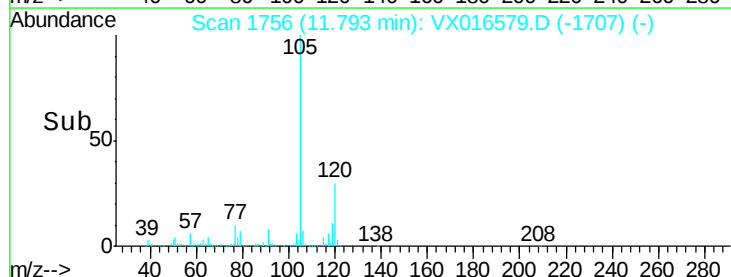
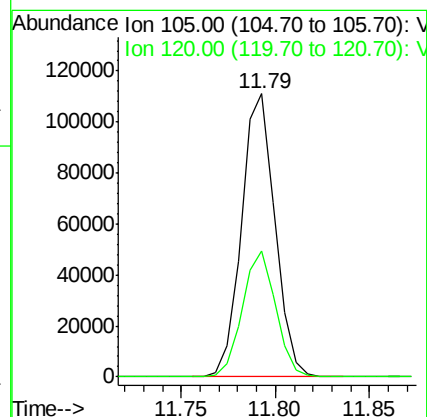
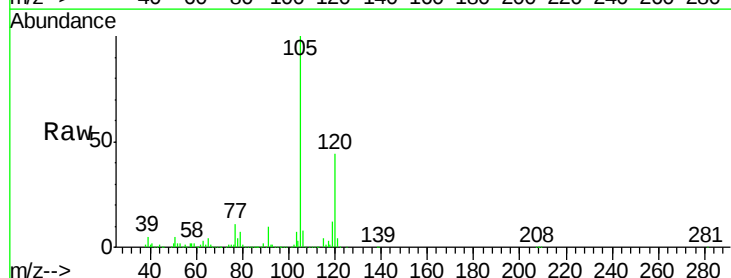
Acq: 04 Jun 2020 12:14

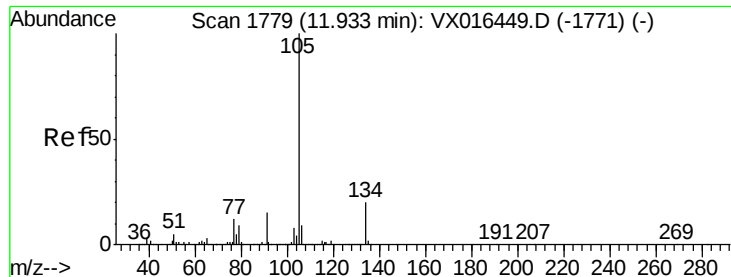
Tgt Ion:105 Resp: 136376

Ion Ratio Lower Upper

105 100

120 44.5 22.6 67.7

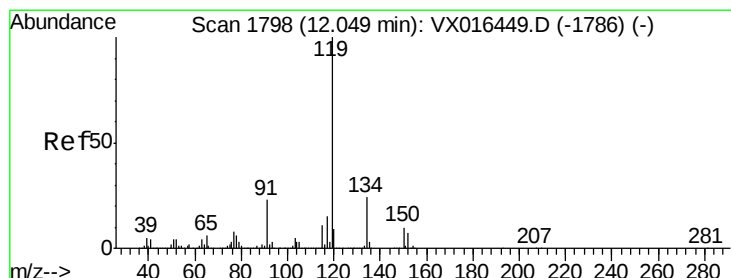
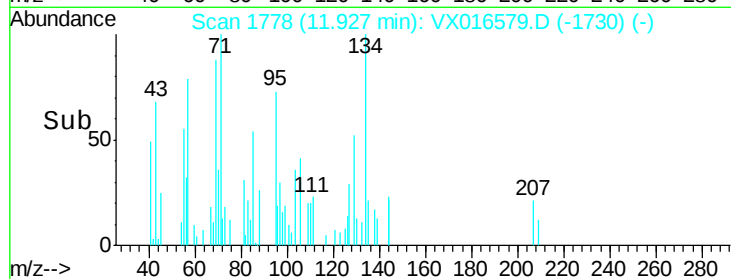
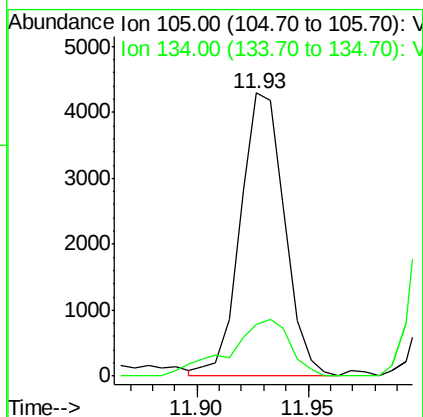
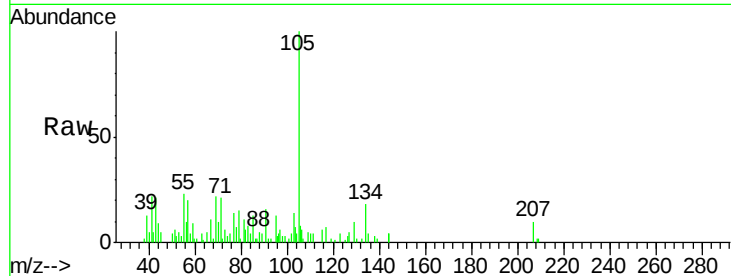




#85
 sec-Butylbenzene
 Concen: 0.426 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: VX016579.D
 Acq: 04 Jun 2020 12:14

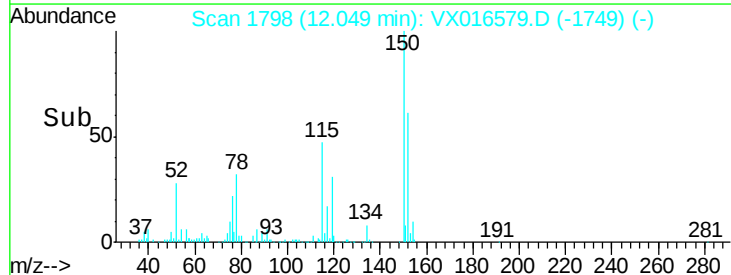
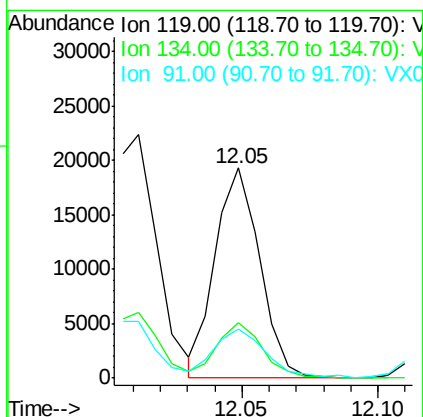
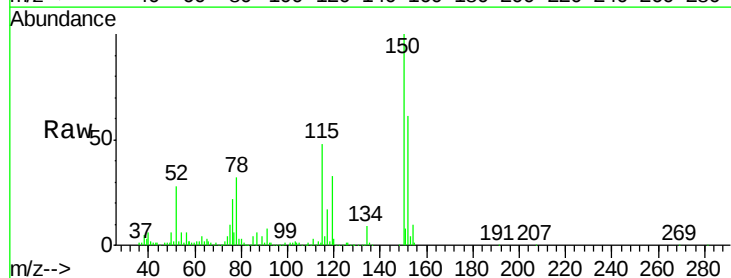
Instrument :
 MSVOA_X
 ClientSampled :
 SP-USTDL

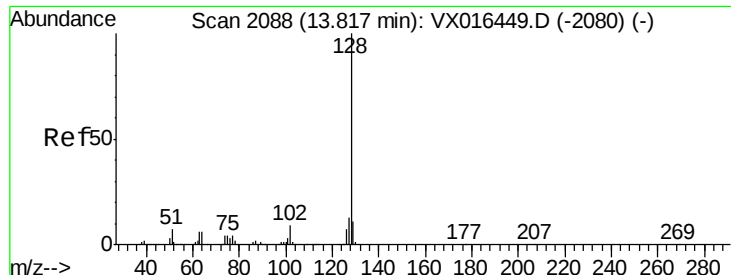
Tot Ion:105 Resp: 5941
 Ion Ratio Lower Upper
 105 100
 134 27.3 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 1.680 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX016579.D
 Acq: 04 Jun 2020 12:14

Tgt Ion:119 Resp: 21963
 Ion Ratio Lower Upper
 119 100
 134 27.1 12.7 38.0
 91 26.2 11.7 35.0





#95

Naphthalene

Concen: 0.344 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016579.D

Acq: 04 Jun 2020 12:14

Instrument :

MSVOA_X

ClientSampleId :

SP-USTDL

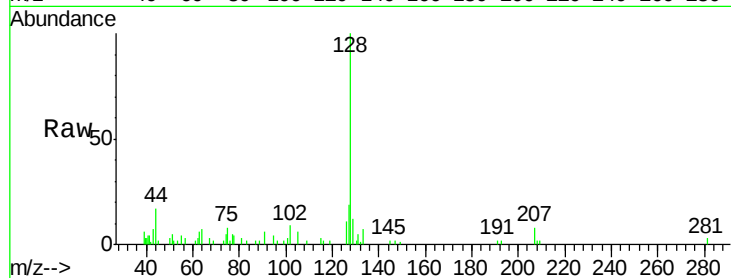
Tot Ion:128 Resp: 5375

Ion Ratio Lower Upper

128 100

127 20.4 10.6 15.8#

129 22.1 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

