

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112420\
 Data File : VX019625.D
 Acq On : 24 Nov 2020 23:40
 Operator : JC/MD
 Sample : L4842-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 16846-41629

Quant Time: Nov 25 06:38:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	303188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	502686	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	439890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	200252	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	190061	48.35	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.70%
35) Dibromofluoromethane	5.46	113	149056	47.24	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.48%
50) Toluene-d8	8.70	98	599735	48.91	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.82%
62) 4-Bromofluorobenzene	11.12	95	212136	48.09	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.18%

Target Compounds

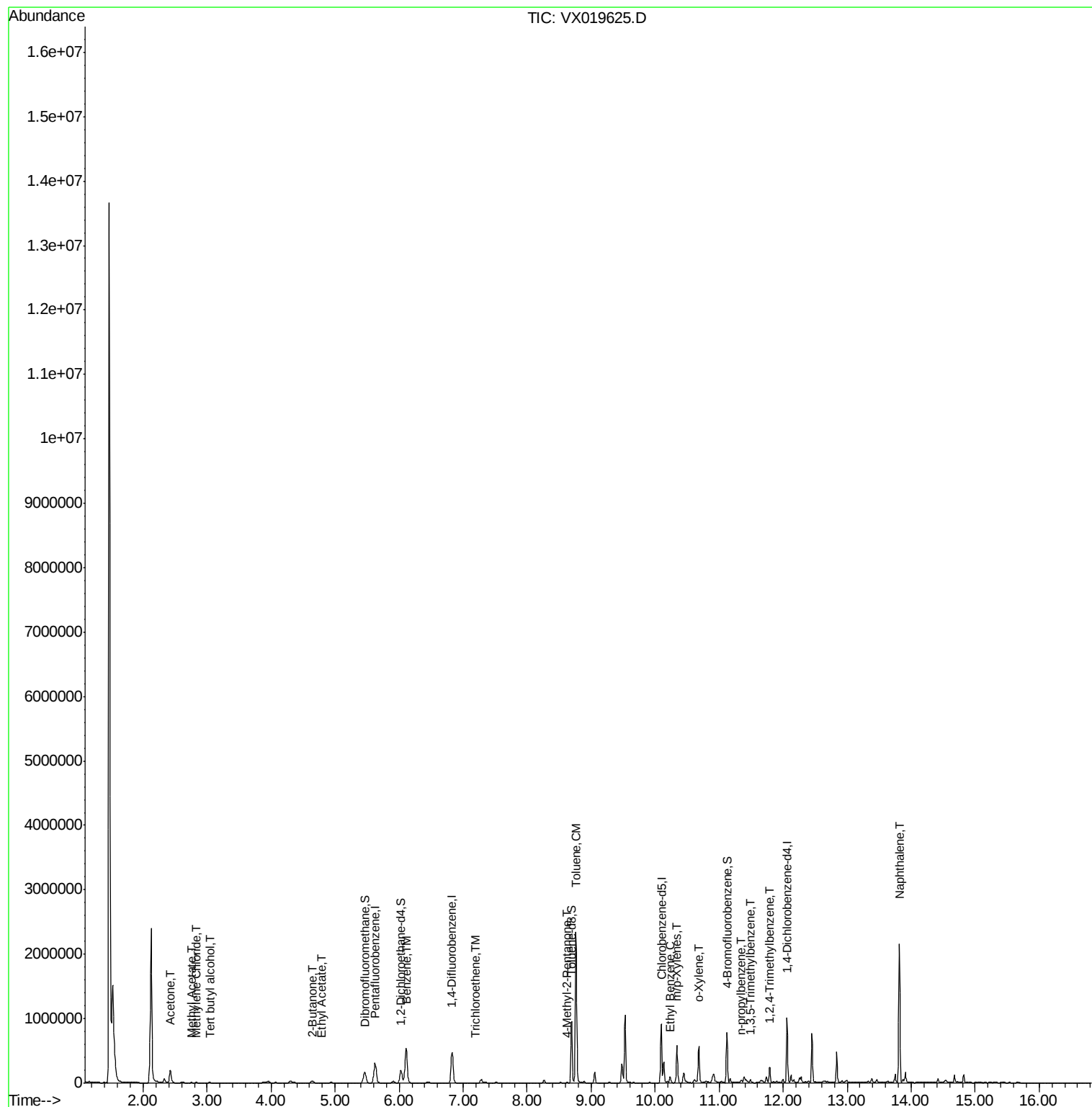
					Qvalue
11) Tert butyl alcohol	3.04	59	12105	16.271	ug/l 96
16) Acetone	2.42	43	215218	141.570	ug/l 100
18) Methyl Acetate	2.75	43	12120	3.845	ug/l 96
20) Methylene Chloride	2.83	84	7004	1.843	ug/l 89
25) 2-Butanone	4.64	43	55613	24.353	ug/l 97
37) Ethyl Acetate	4.79	43	6217	1.405	ug/l 98
40) Benzene	6.11	78	679239	46.910	ug/l 100
44) Trichloroethene	7.18	130	1054	0.278	ug/l 69
51) 4-Methyl-2-Pentanone	8.62	43	4414	1.018	ug/l 96
52) Toluene	8.76	92	900830	101.697	ug/l 99
67) Ethyl Benzene	10.23	91	55722	3.517	ug/l 100
68) m/p-Xylenes	10.34	106	120547	20.422	ug/l 98
69) o-Xylene	10.68	106	119914	21.251	ug/l 99
78) n-propylbenzene	11.35	91	14877	0.936	ug/l # 69
80) 1,3,5-Trimethylbenzene	11.49	105	22243	1.914	ug/l 100
84) 1,2,4-Trimethylbenzene	11.79	105	100909	8.582	ug/l 93
95) Naphthalene	13.82	128	1326359	88.063	ug/l 100

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019625.D

Acq: 24 Nov 2020 23:40

Instrument :

MSVOA_X

ClientSampleId :

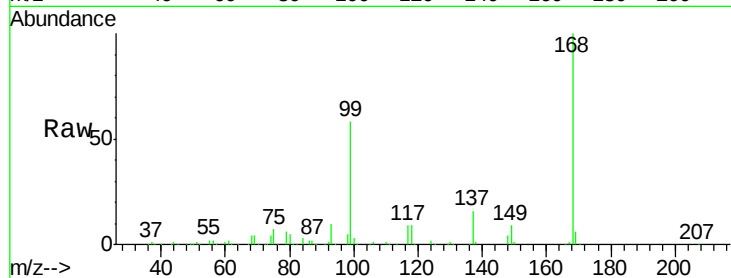
16846-41629

Tot Ion:168 Resp: 303188

Ion Ratio Lower Upper

168 100

99 58.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

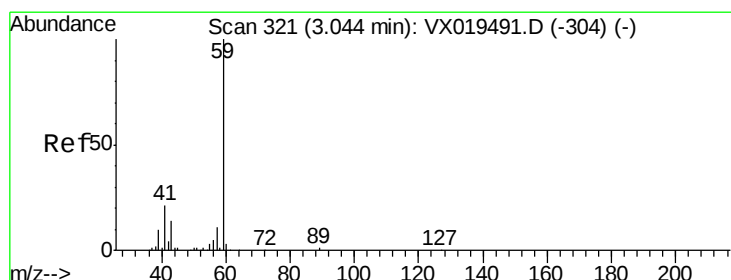
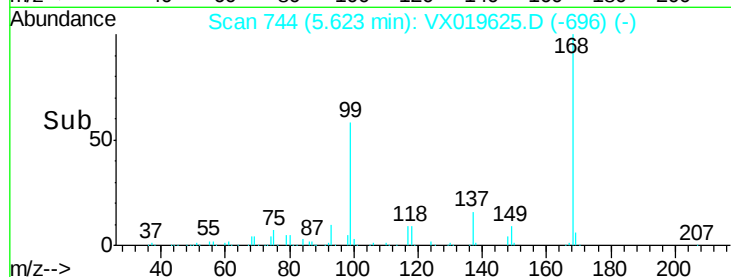
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 16.271 ug/l

RT: 3.04 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX019625.D

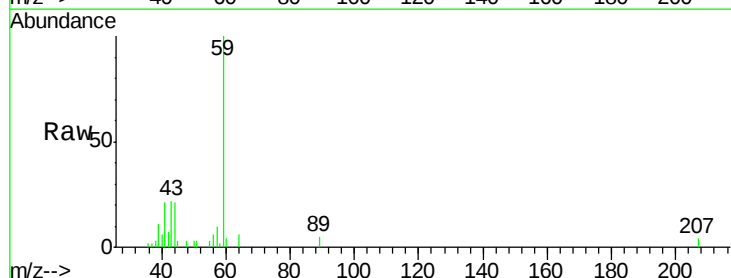
Acq: 24 Nov 2020 23:40

Tgt Ion: 59 Resp: 12105

Ion Ratio Lower Upper

59 100

57 8.4 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.04

4000

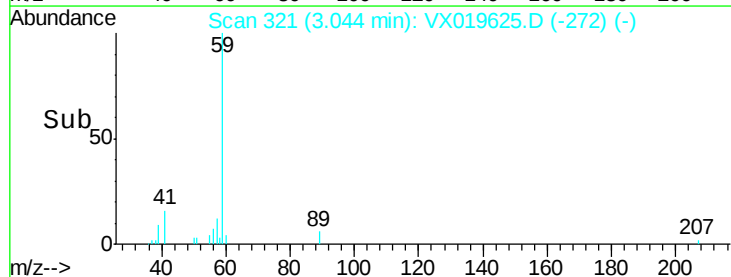
3000

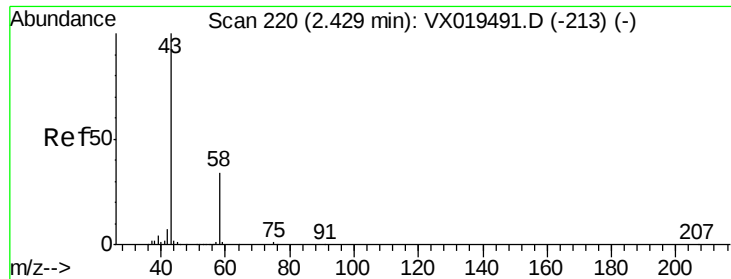
2000

1000

0

Time-->

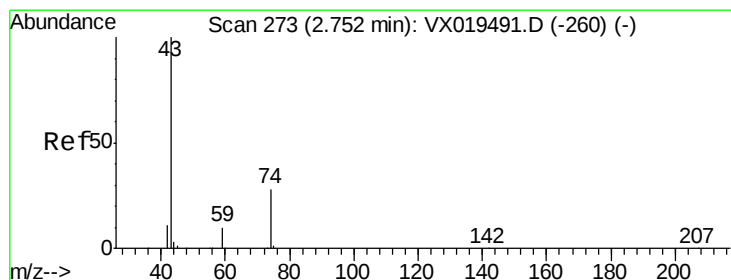
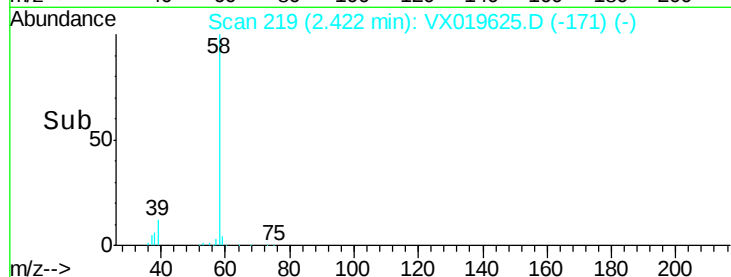
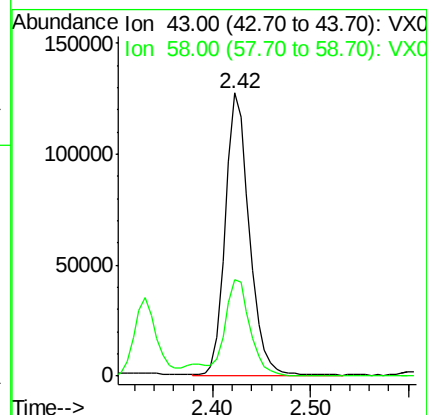
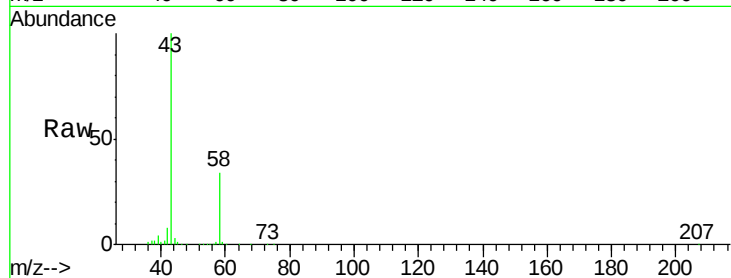




#16
Acetone
Concen: 141.570 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX019625.D
Acq: 24 Nov 2020 23:40

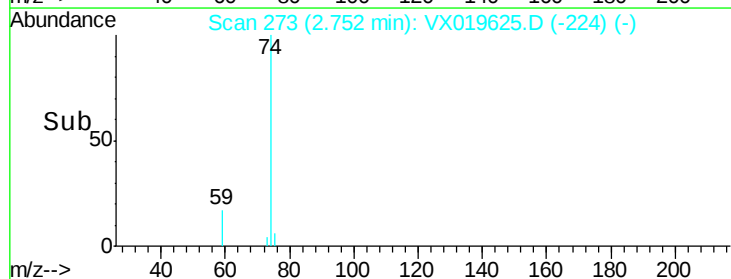
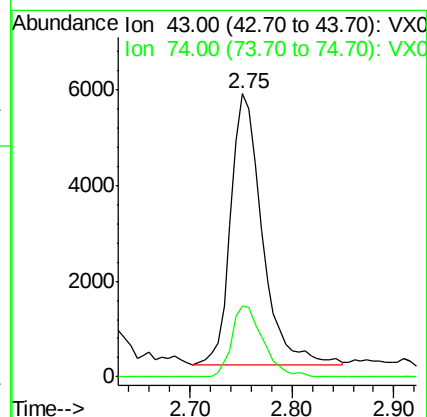
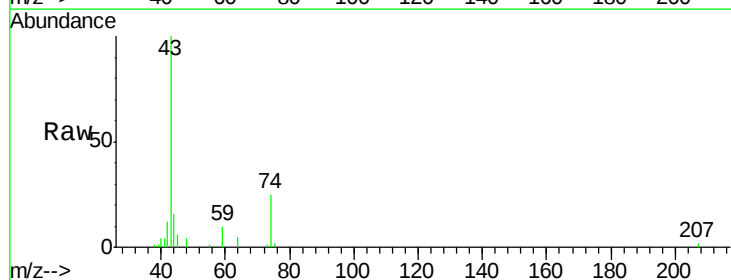
Instrument :
MSVOA_X
ClientSampleId :
16846-41629

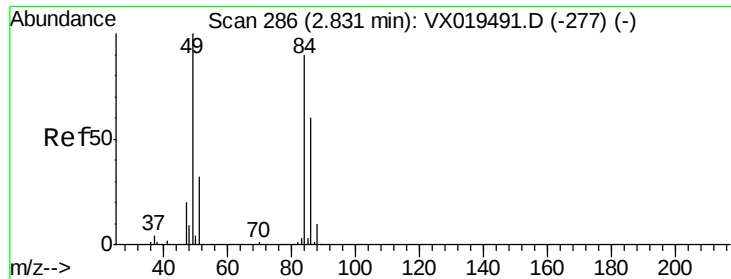
Tot Ion: 43 Resp: 215218
Ion Ratio Lower Upper
43 100
58 34.1 27.4 41.2



#18
Methyl Acetate
Concen: 3.845 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019625.D
Acq: 24 Nov 2020 23:40

Tgt Ion: 43 Resp: 12120
Ion Ratio Lower Upper
43 100
74 25.9 22.2 33.4

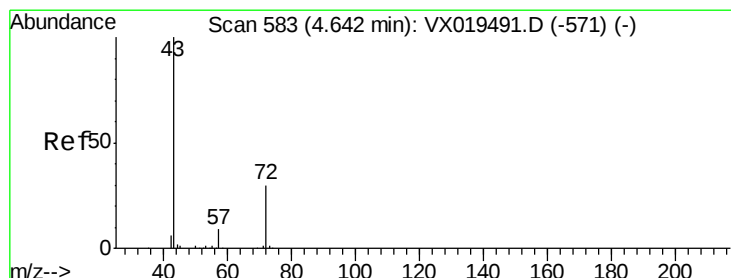
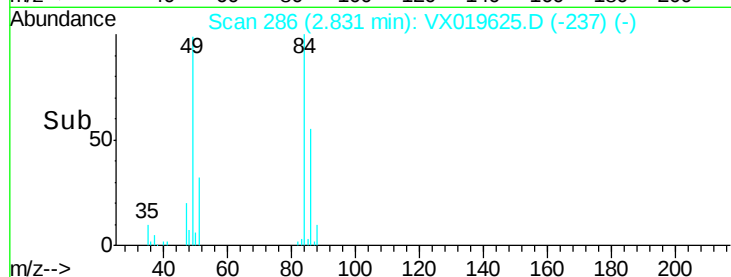
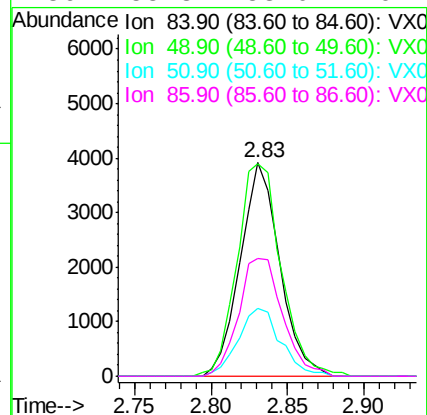
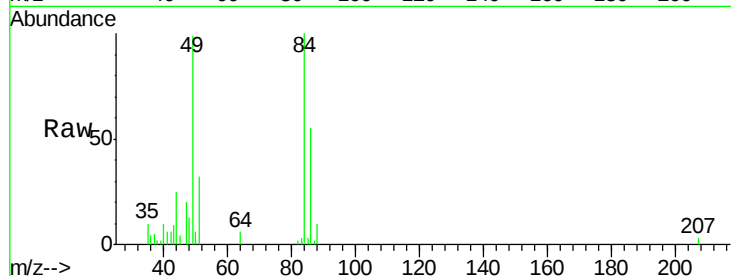




#20
Methvlene Chloride
Concen: 1.843 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019625.D
Acq: 24 Nov 2020 23:40

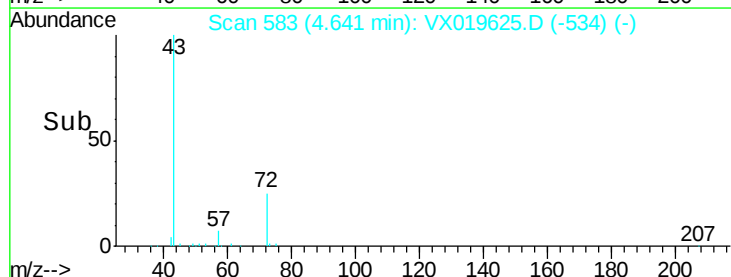
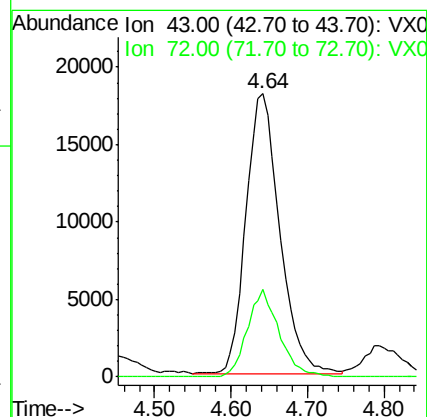
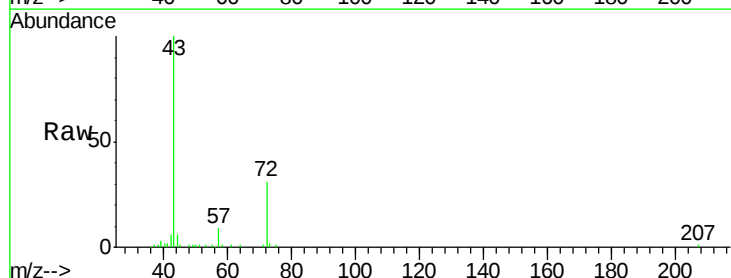
Instrument :
MSVOA_X
ClientSampleId :
16846-41629

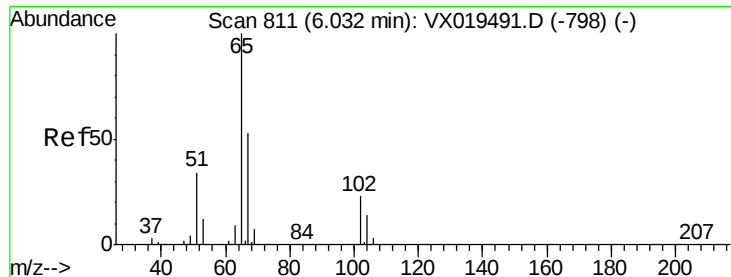
Tot Ion:	84	Resp:	7004
Ion	Ratio	Lower	Upper
84	100		
49	99.3	88.5	132.7
51	31.9	28.0	42.0
86	55.3	53.0	79.4



#25
2-Butanone
Concen: 24.353 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX019625.D
Acq: 24 Nov 2020 23:40

Tgt Ion:	43	Resp:	55613
Ion	Ratio	Lower	Upper
43	100		
72	31.5	24.0	36.0





#33

1,2-Dichloroethane-d4

Concen: 48.348 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019625.D

Acq: 24 Nov 2020 23:40

Instrument :

MSVOA_X

ClientSampleId :

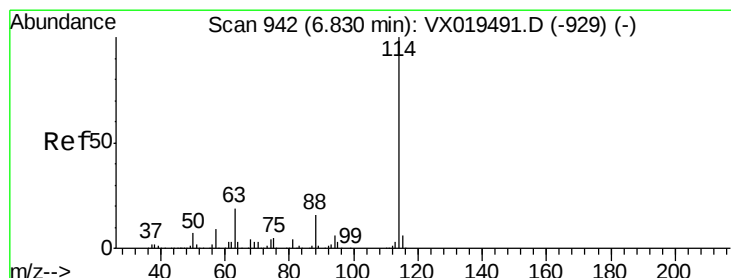
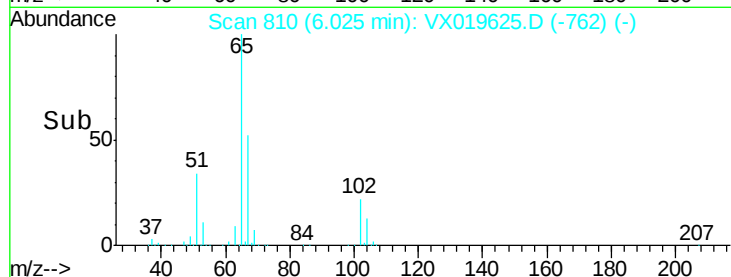
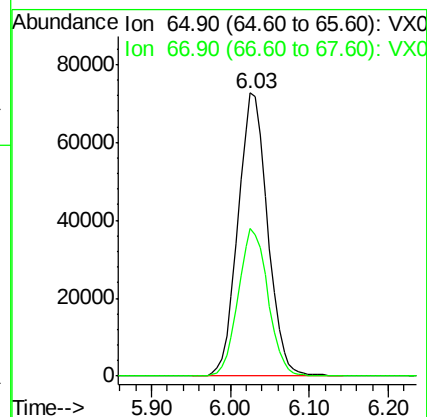
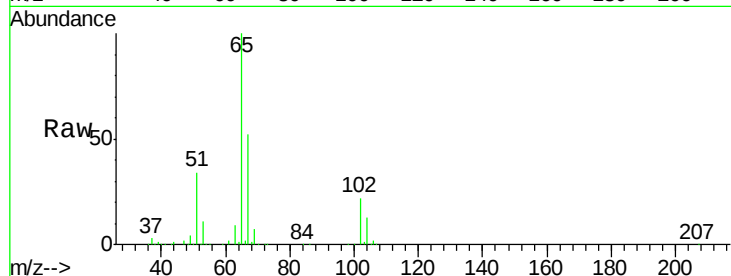
16846-41629

Tot Ion: 65 Resp: 190061

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019625.D

Acq: 24 Nov 2020 23:40

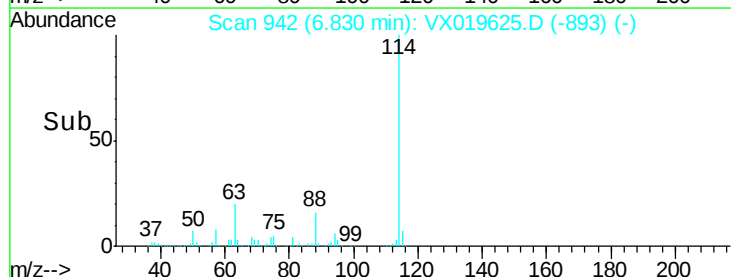
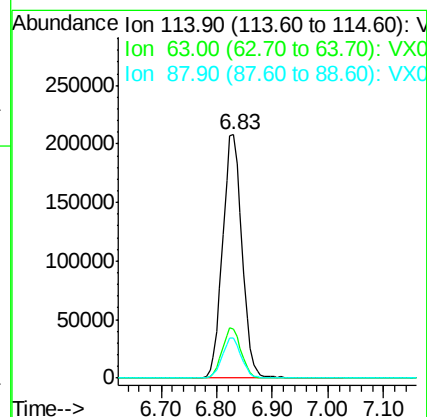
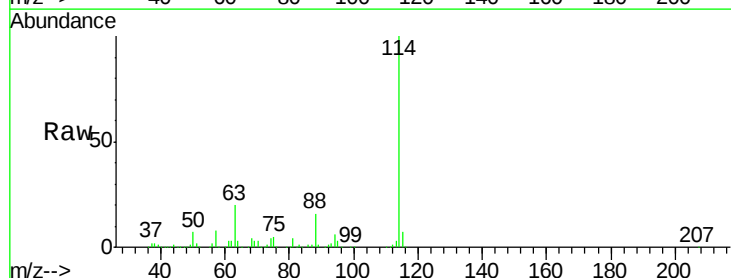
Tgt Ion: 114 Resp: 502686

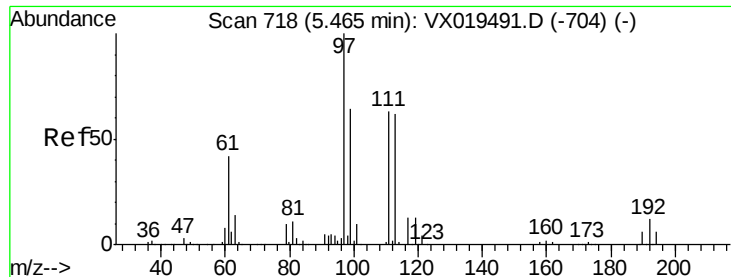
Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.8

88 16.4 0.0 31.6

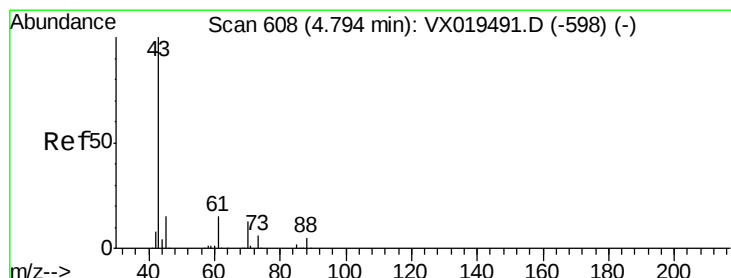
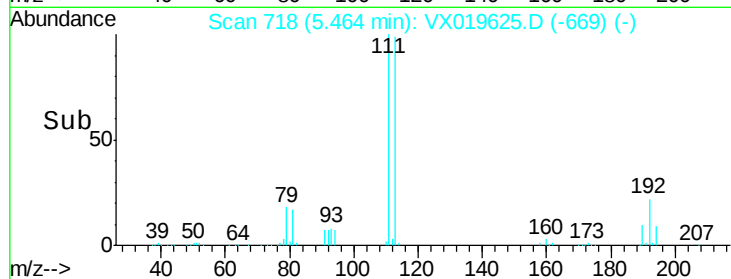
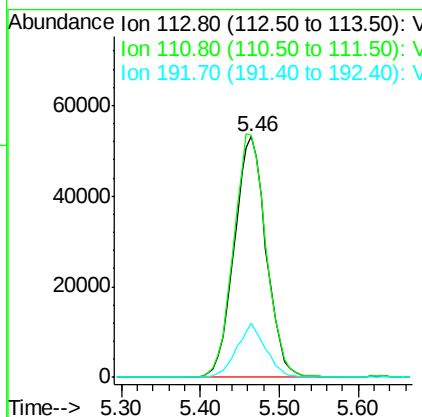
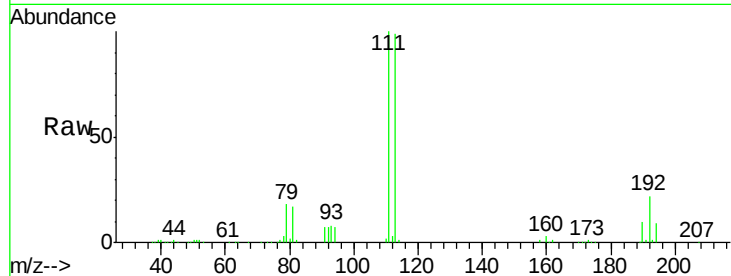




#35
 Dibromofluoromethane
 Concen: 47.239 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019625.D
 Acq: 24 Nov 2020 23:40

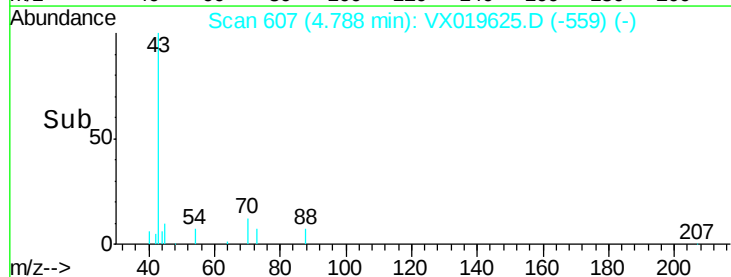
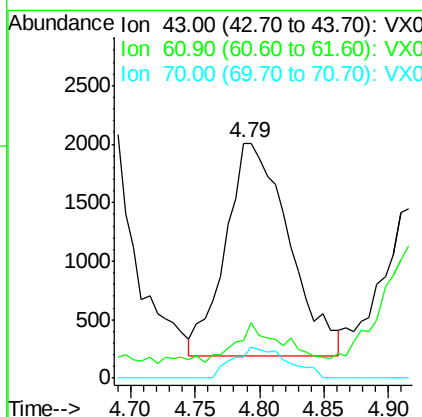
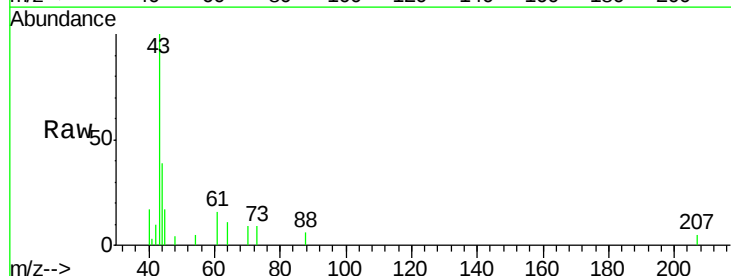
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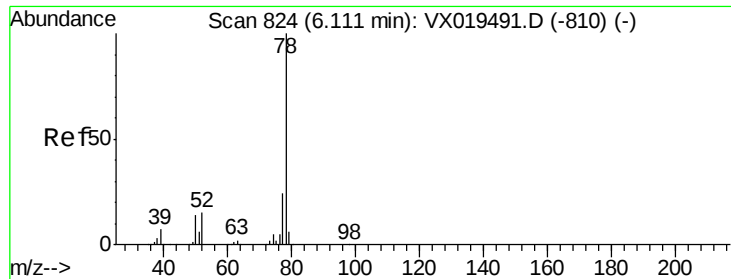
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.5	122.3
192	20.3	16.2	24.2



#37
 Ethyl Acetate
 Concen: 1.405 ug/l
 RT: 4.79 min Scan# 607
 Delta R.T. -0.01 min
 Lab File: VX019625.D
 Acq: 24 Nov 2020 23:40

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.7	19.1
70	12.6	10.2	15.2





#40

Benzene

Concen: 46.910 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

Lab File: VX019625.D

Acq: 24 Nov 2020 23:40

Instrument :

MSVOA_X

ClientSampleId :

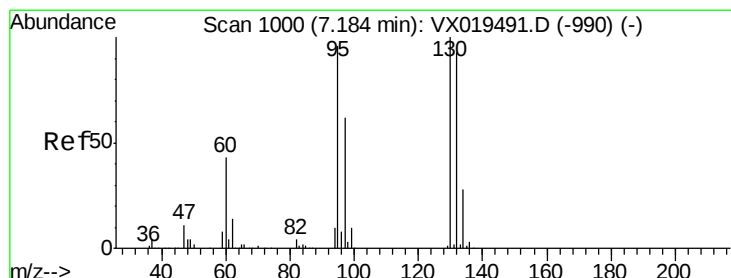
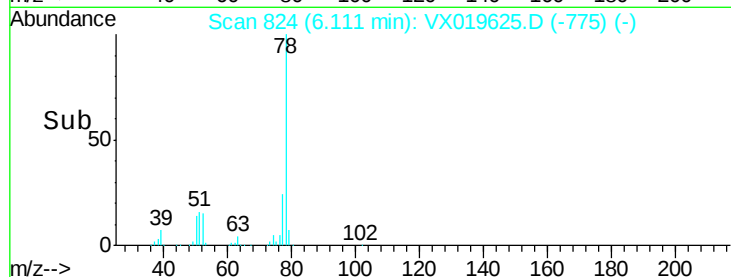
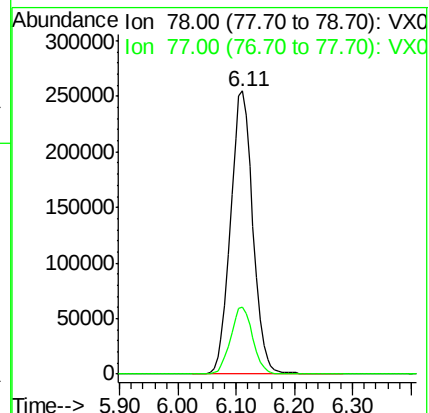
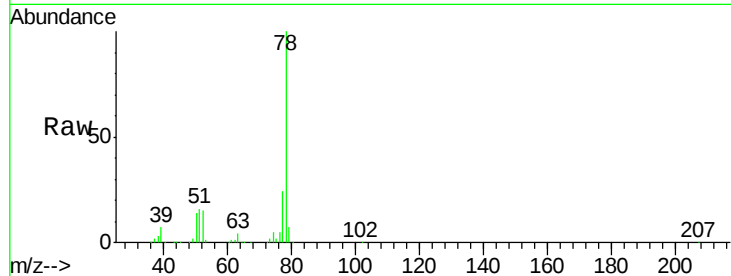
16846-41629

Tot Ion: 78 Resp: 679239

Ion Ratio Lower Upper

78 100

77 23.7 18.9 28.3



#44

Trichloroethene

Concen: 0.278 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX019625.D

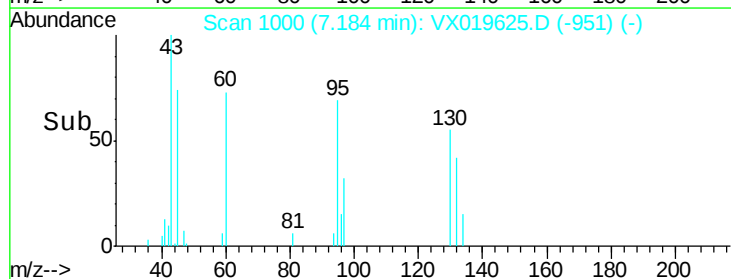
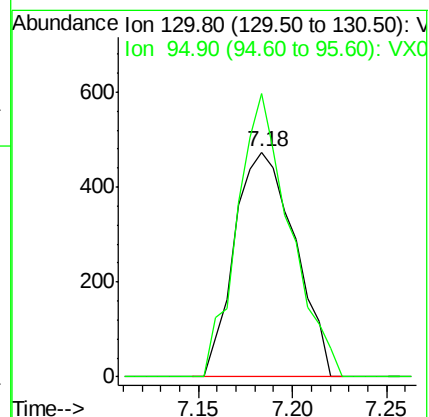
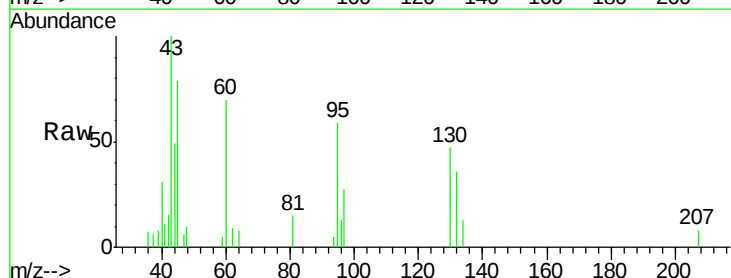
Acq: 24 Nov 2020 23:40

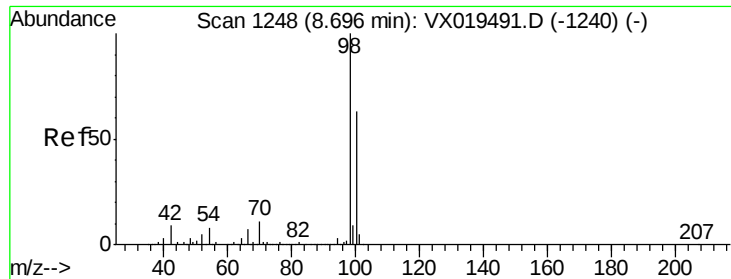
Tgt Ion: 130 Resp: 1054

Ion Ratio Lower Upper

130 100

95 125.9 0.0 191.2

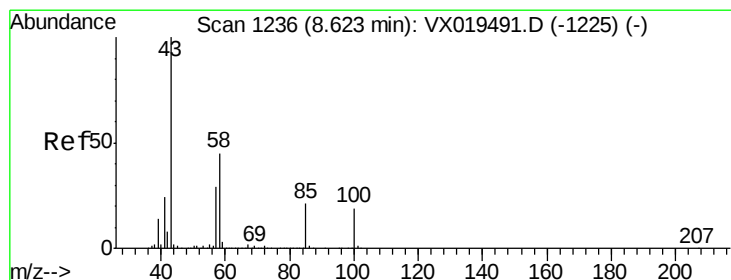
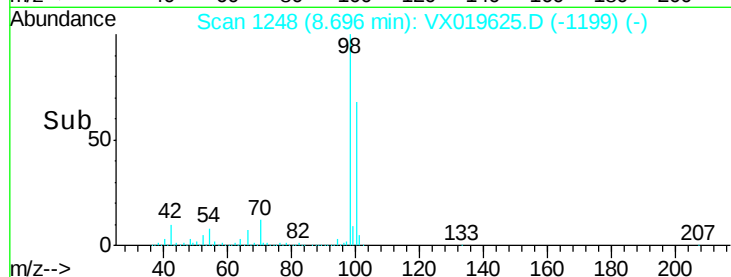
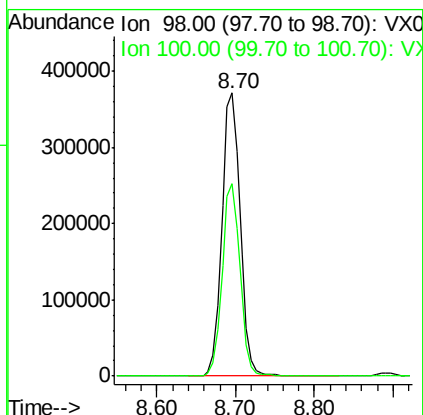
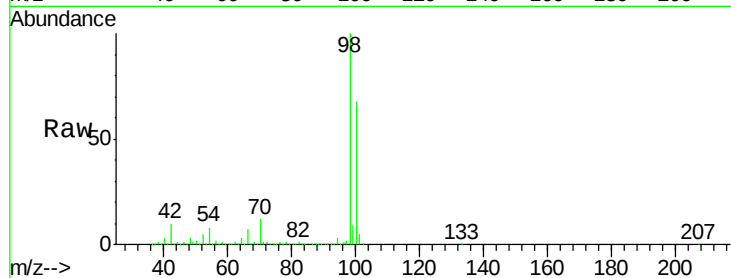




#50
Toluene-d8
Concen: 48.912 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019625.D
Acq: 24 Nov 2020 23:40

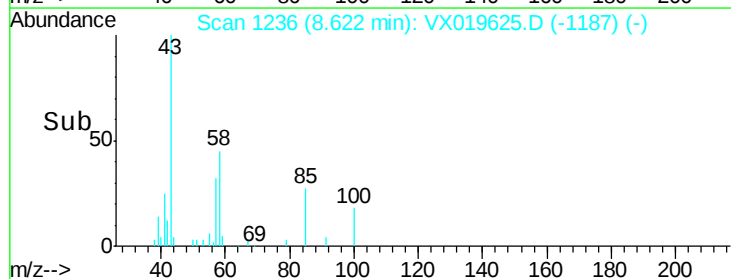
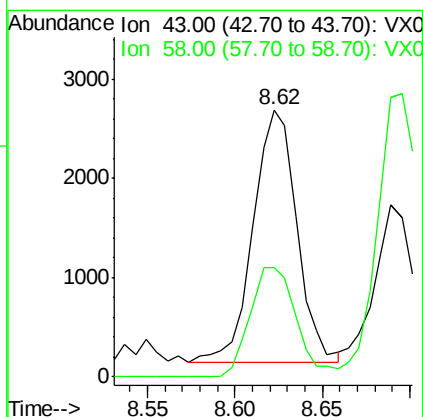
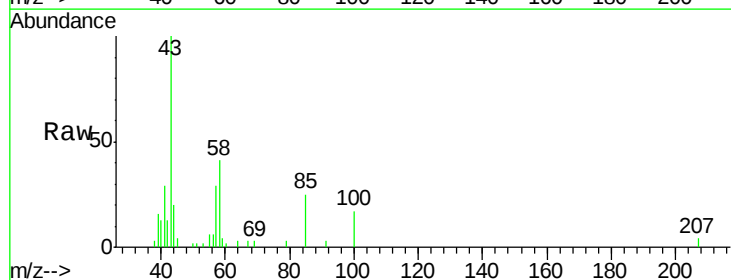
Instrument :
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16846-41629

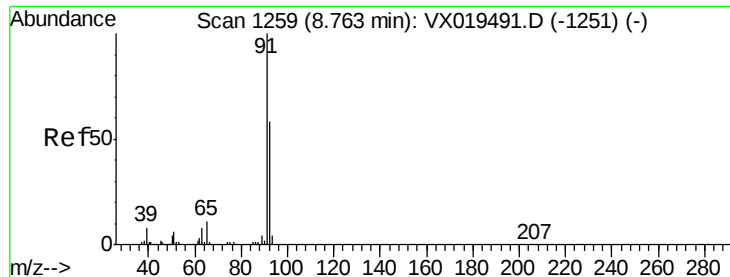
Tot Ion: 98 Resp: 599735
Ion Ratio Lower Upper
98 100
100 66.4 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.018 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX019625.D
Acq: 24 Nov 2020 23:40

Tgt Ion: 43 Resp: 4414
Ion Ratio Lower Upper
43 100
58 46.2 35.1 52.7





#52

Toluene

Concen: 101.697 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019625.D

Acq: 24 Nov 2020 23:40

Instrument :

MSVOA_X

ClientSampleId :

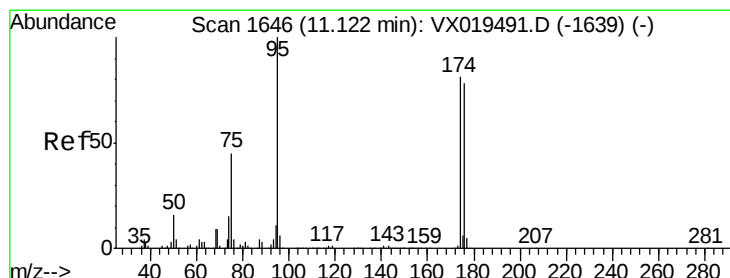
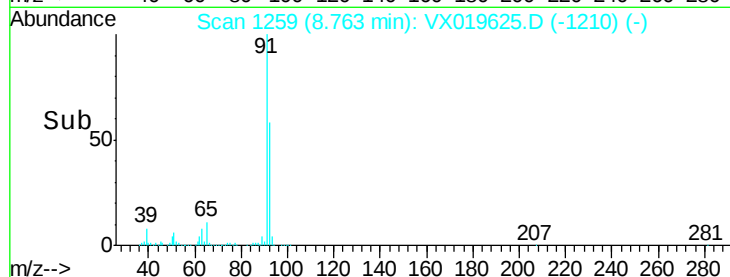
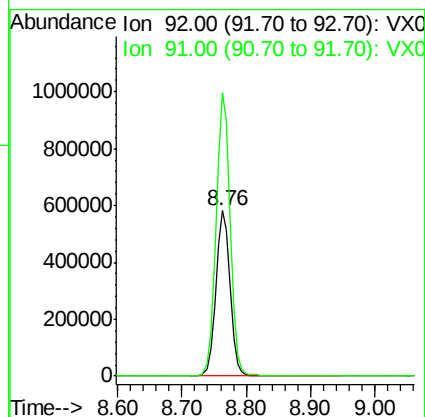
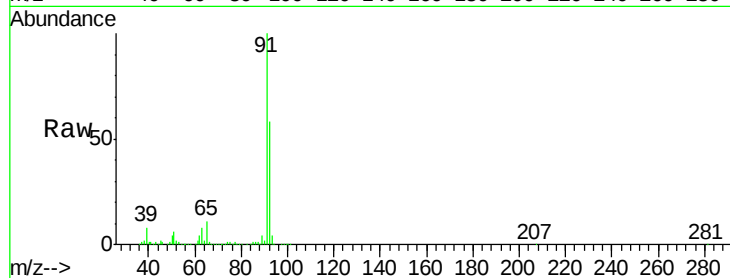
16846-41629

Tot Ion: 92 Resp: 900830

Ion Ratio Lower Upper

92 100

91 171.3 138.1 207.1



#62

4-Bromofluorobenzene

Concen: 48.087 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019625.D

Acq: 24 Nov 2020 23:40

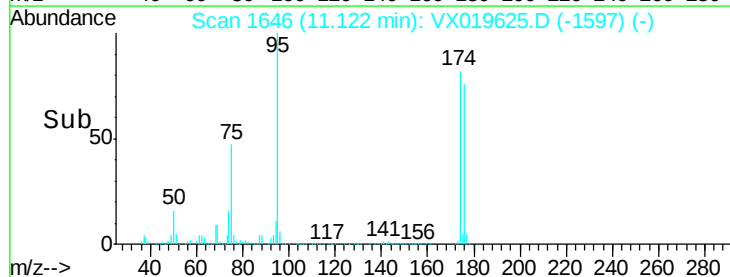
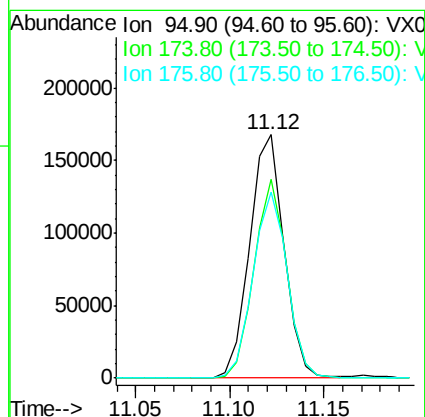
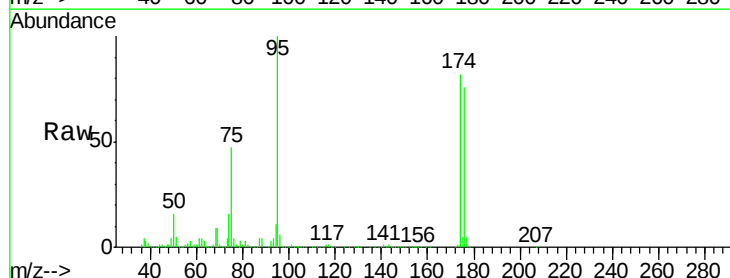
Tgt Ion: 95 Resp: 212136

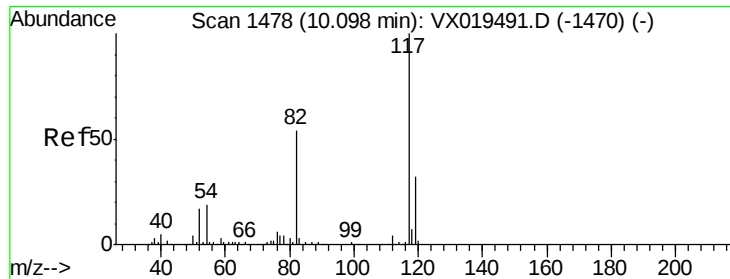
Ion Ratio Lower Upper

95 100

174 77.8 0.0 156.2

176 76.1 0.0 151.4

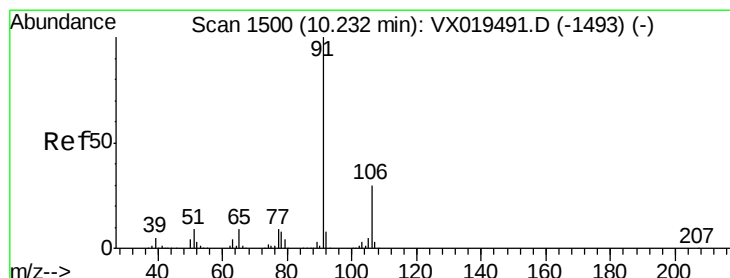
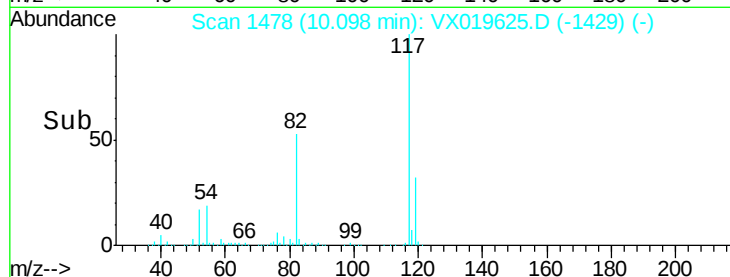
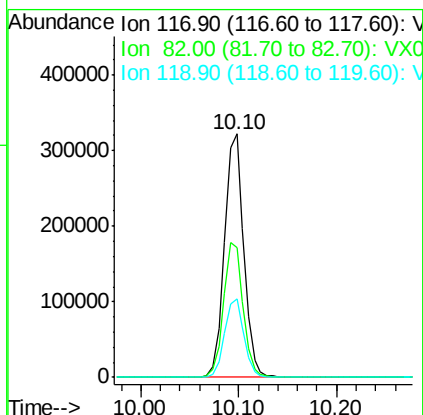
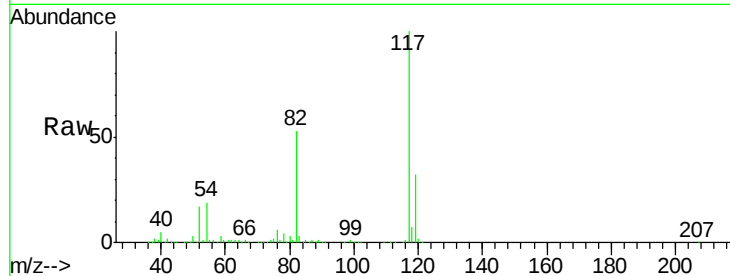




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019625.D
Acq: 24 Nov 2020 23:40

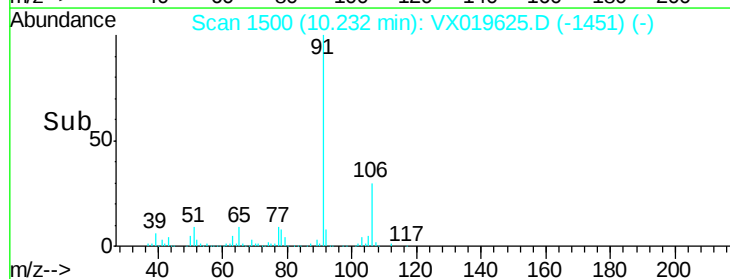
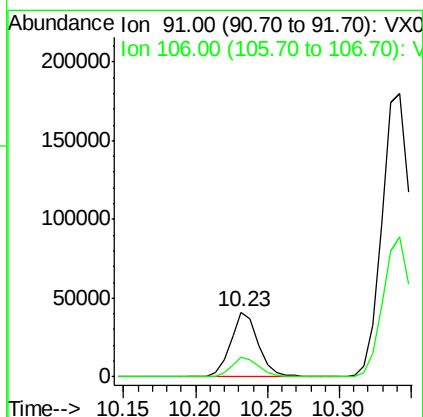
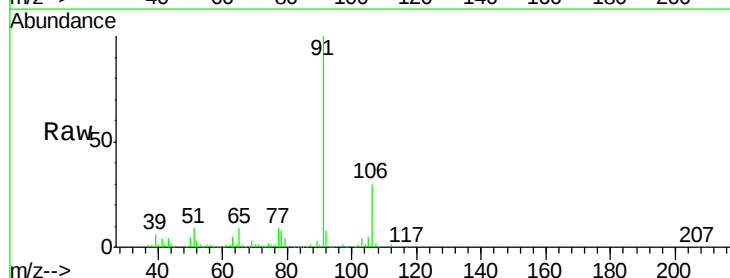
Instrument :
MSVOA_X
ClientSampleId :
16846-41629

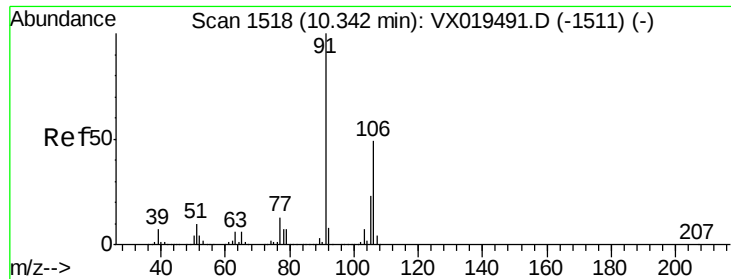
Tot Ion:117 Resp: 439890
Ion Ratio Lower Upper
117 100
82 53.0 43.0 64.4
119 32.4 25.6 38.4



#67
Ethyl Benzene
Concen: 3.517 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX019625.D
Acq: 24 Nov 2020 23:40

Tgt Ion: 91 Resp: 55722
Ion Ratio Lower Upper
91 100
106 29.9 24.0 36.0

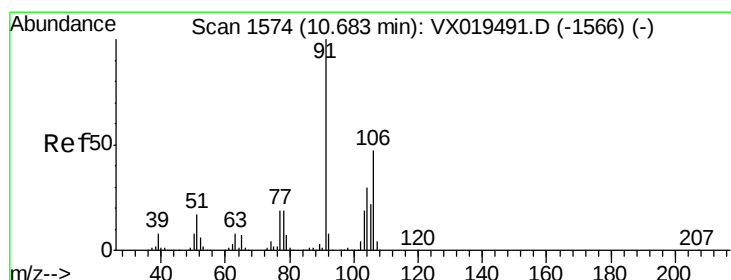
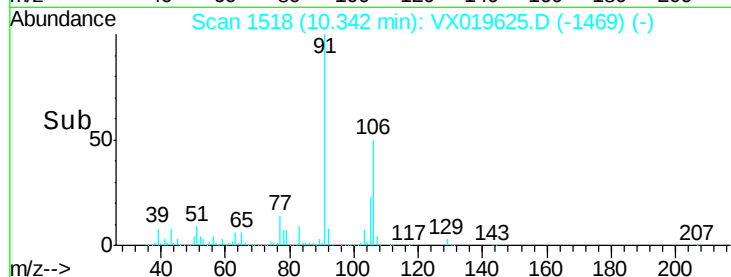
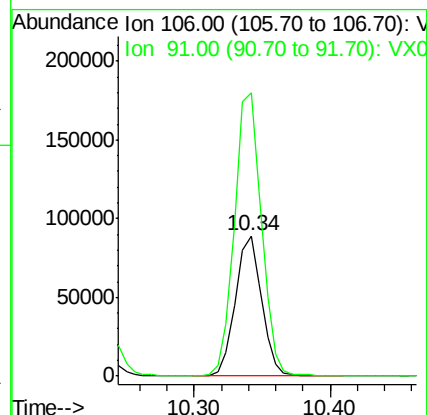
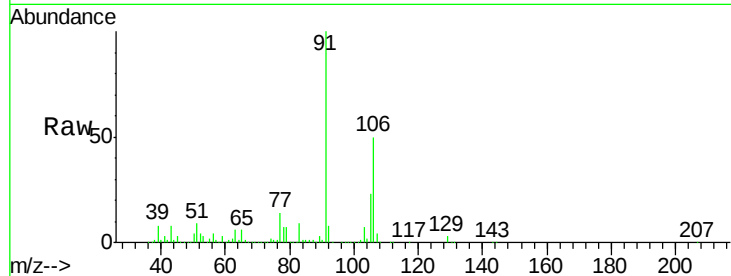




#68
m/p-Xylenes
Concen: 20.422 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019625.D
Acq: 24 Nov 2020 23:40

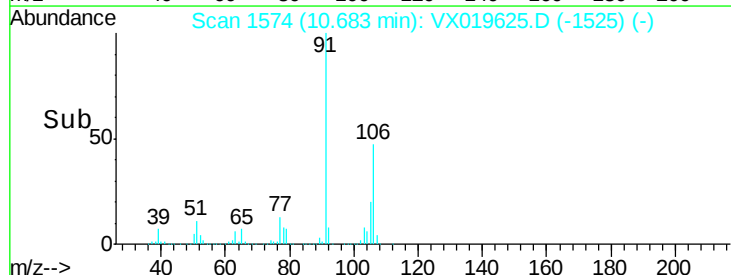
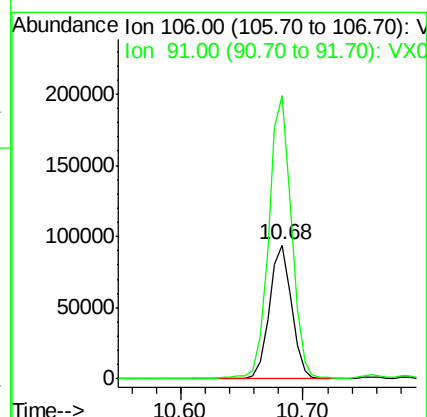
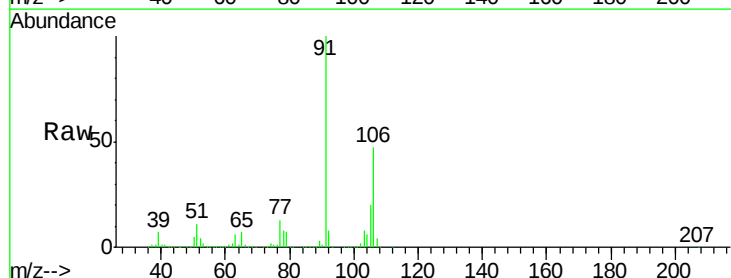
Instrument :
MSVOA_X
ClientSampleId :
16846-41629

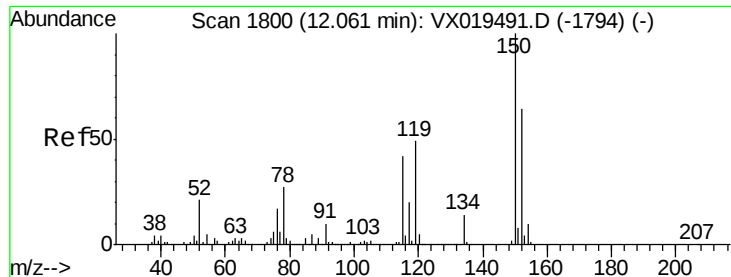
Tot Ion:106 Resp: 120547
Ion Ratio Lower Upper
106 100
91 206.5 163.3 244.9



#69
o-Xylene
Concen: 21.251 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019625.D
Acq: 24 Nov 2020 23:40

Tgt Ion:106 Resp: 119914
Ion Ratio Lower Upper
106 100
91 214.4 108.0 324.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019625.D

Acq: 24 Nov 2020 23:40

Instrument :

MSVOA_X

ClientSampleId :

16846-41629

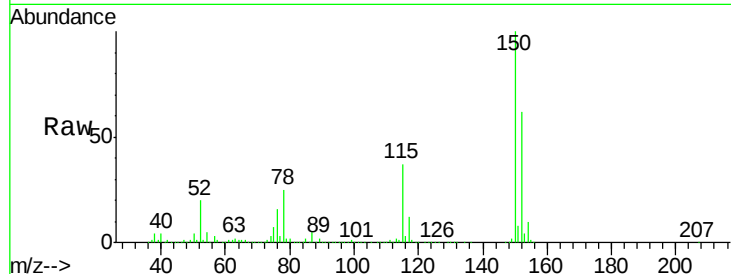
Tot Ion:152 Resp: 200252

Ion Ratio Lower Upper

152 100

115 61.2 41.8 125.4

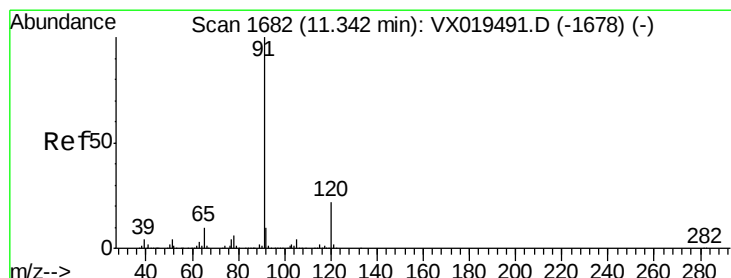
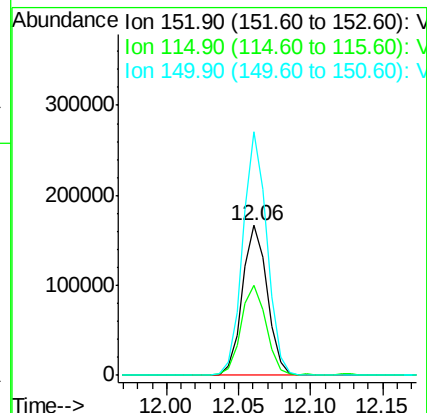
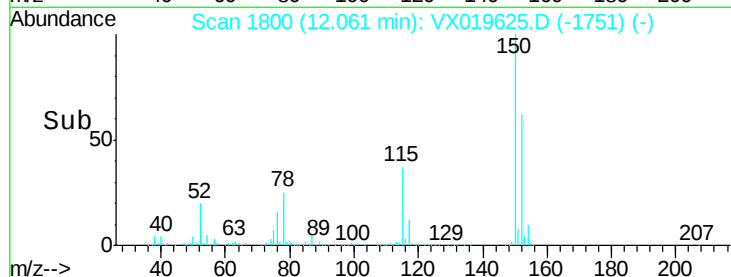
150 157.9 0.0 348.2



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



#78

n-propylbenzene

Concen: 0.936 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VX019625.D

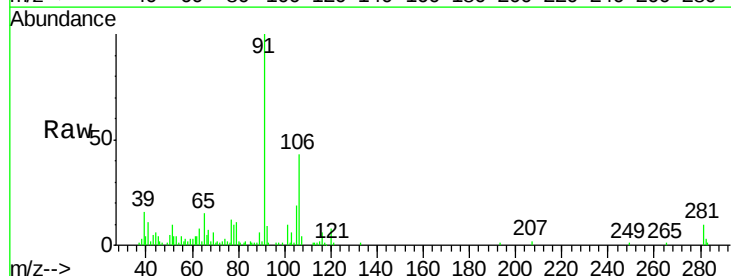
Acq: 24 Nov 2020 23:40

Tgt Ion: 91 Resp: 14877

Ion Ratio Lower Upper

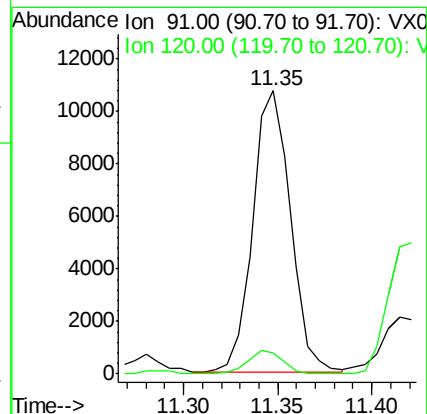
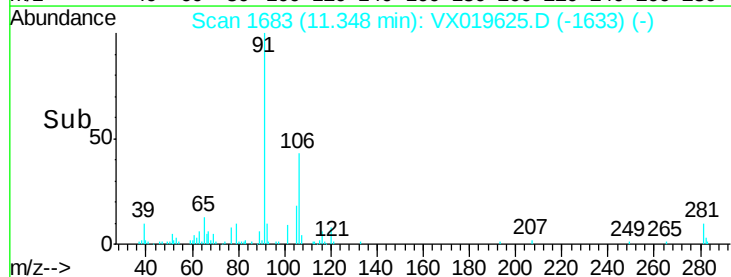
91 100

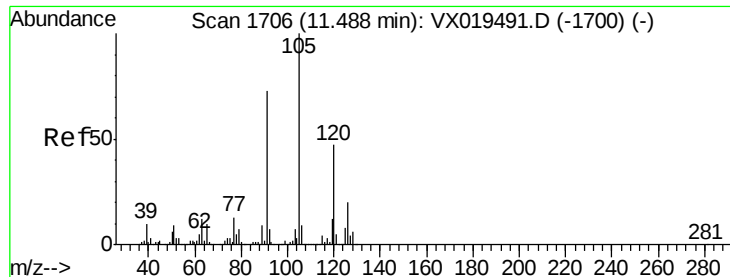
120 7.8 11.5 34.4#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 1.914 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019625.D

Acq: 24 Nov 2020 23:40

Instrument :

MSVOA_X

ClientSampleId :

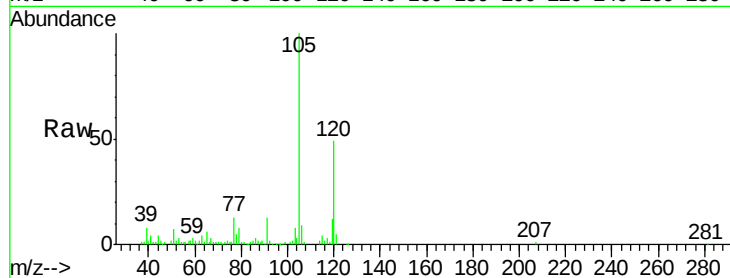
16846-41629

Tot Ion:105 Resp: 22243

Ion Ratio Lower Upper

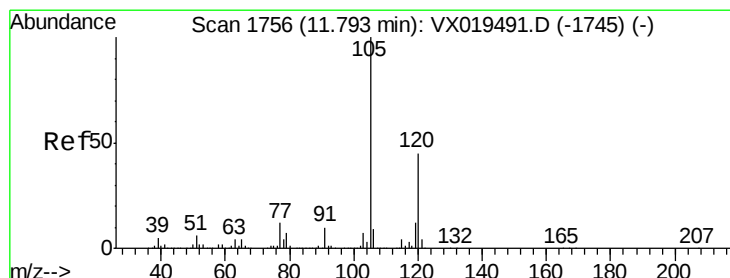
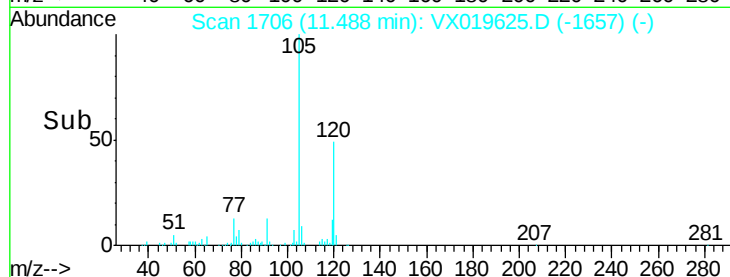
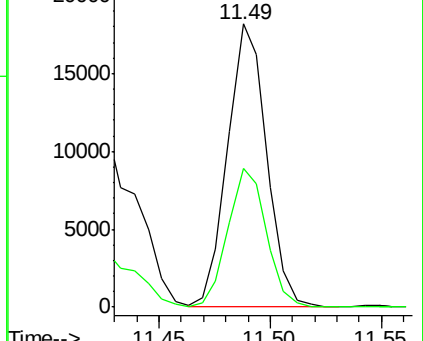
105 100

120 48.2 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 8.582 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019625.D

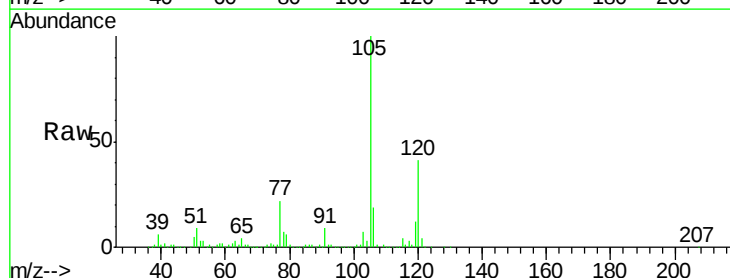
Acq: 24 Nov 2020 23:40

Tgt Ion:105 Resp: 100909

Ion Ratio Lower Upper

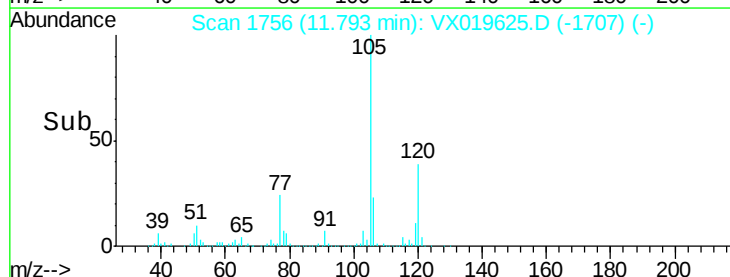
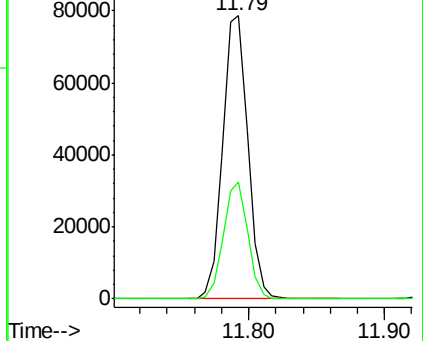
105 100

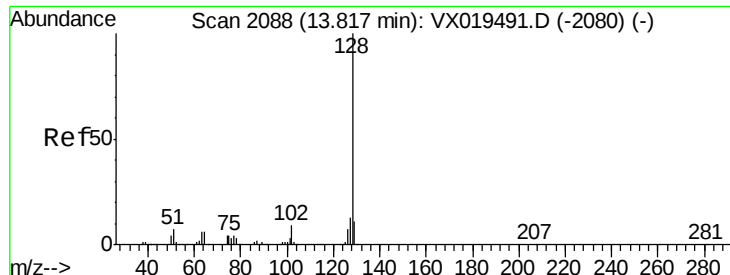
120 39.8 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 88.063 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019625.D

Acq: 24 Nov 2020 23:40

Instrument :

MSVOA_X

ClientSampleId :

16846-41629

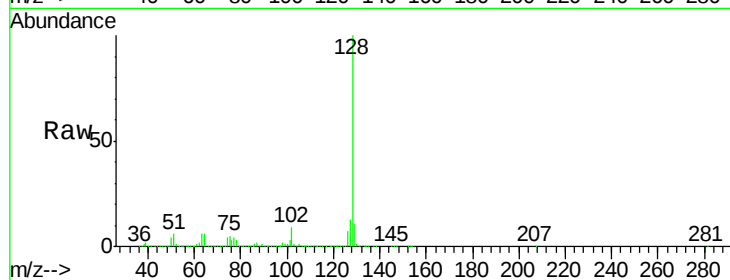
Tot Ion:128 Resp: 1326359

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 11.0 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

