

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022422\
 Data File : VX027167.D
 Acq On : 24 Feb 2022 14:00
 Operator : JC/MD
 Sample : N1647-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31416

Quant Time: Feb 25 00:03:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022322W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 23 13:06:57 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	90974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	151468	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	137012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66506	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	54249	49.651	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.300%
35) Dibromofluoromethane	5.391	113	46330	49.277	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.560%
50) Toluene-d8	8.653	98	173856	49.454	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.900%
62) 4-Bromofluorobenzene	11.079	95	66976	49.633	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.260%

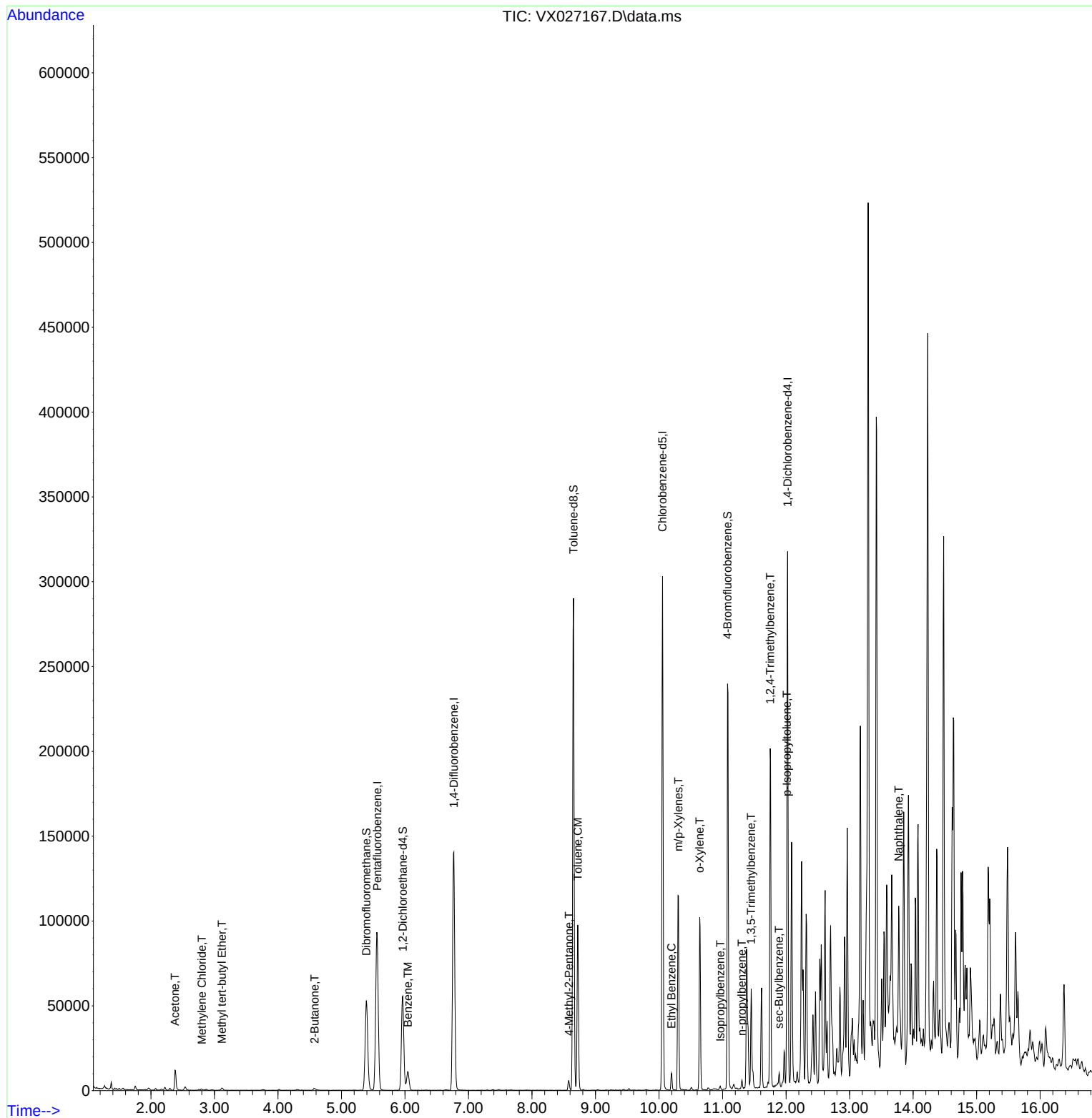
Target Compounds						Qvalue
16) Acetone	2.380	43	12630	26.328	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	1308	0.430	ug/l #	77
20) Methylene Chloride	2.800	84	431	0.433	ug/l #	79
25) 2-Butanone	4.574	43	2471	3.234	ug/l	94
40) Benzene	6.043	78	13675	3.408	ug/l	98
51) 4-Methyl-2-Pentanone	8.580	43	3708	2.462	ug/l	98
52) Toluene	8.720	92	36837	14.337	ug/l	100
67) Ethyl Benzene	10.195	91	6143	1.253	ug/l	93
68) m/p-Xylenes	10.305	106	28299	15.014	ug/l	96
69) o-Xylene	10.640	106	23109	12.216	ug/l	96
73) Isopropylbenzene	10.963	105	957	0.201	ug/l	89
78) n-propylbenzene	11.305	91	2878	0.532	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	24424	6.104	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	90883	22.833	ug/l	98
85) sec-Butylbenzene	11.890	105	3764	0.771	ug/l	94
86) p-Isopropyltoluene	12.012	119	4385	1.054	ug/l	95
95) Naphthalene	13.774	128	52951	11.331	ug/l	96

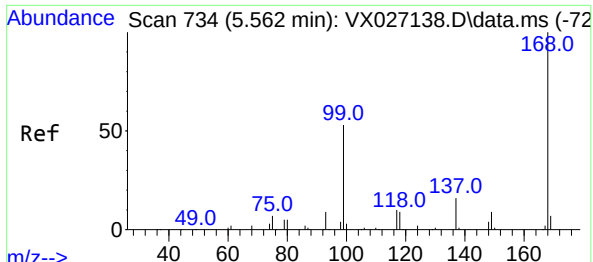
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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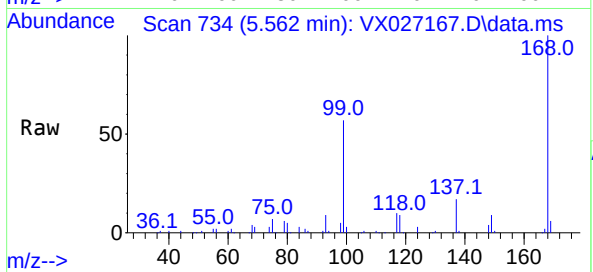
Quant Time: Feb 25 00:03:46 2022
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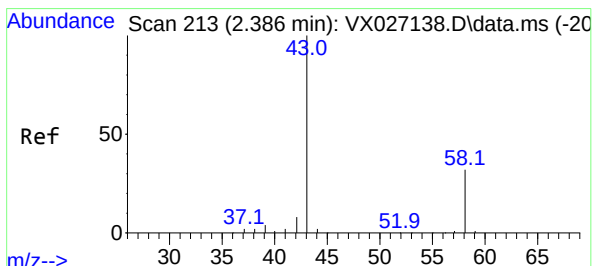
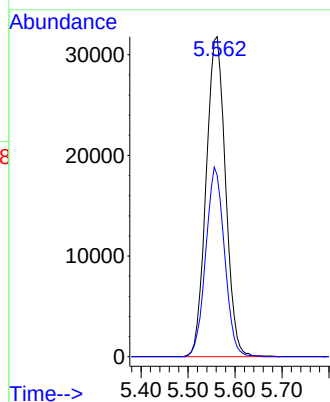
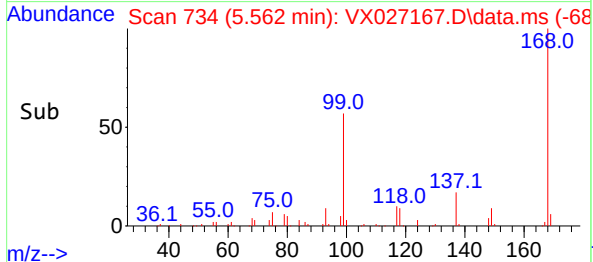


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 714
Delta R.T. -0.000 min
Lab File: VX027167.D
Acq: 24 Feb 2022 14:00

Instrument :
MSVOA_X
ClientSampleId :
31416

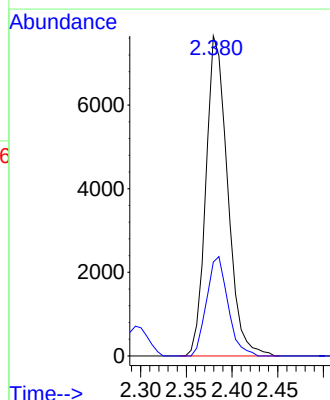
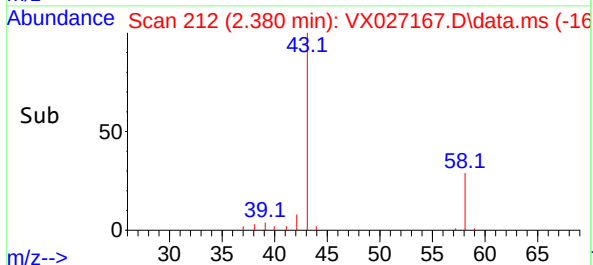
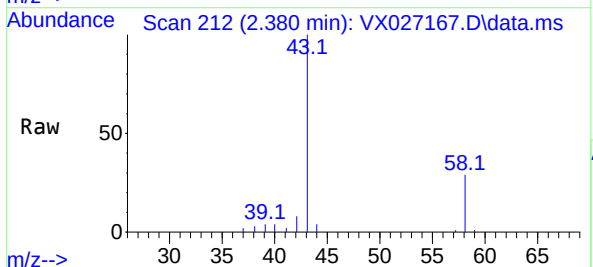


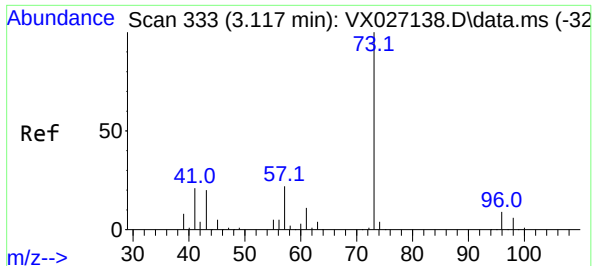
Tgt Ion:168 Resp: 90974
Ion Ratio Lower Upper
168 100
99 56.7 50.3 75.5



#16
Acetone
Concen: 26.328 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX027167.D
Acq: 24 Feb 2022 14:00

Tgt Ion: 43 Resp: 12630
Ion Ratio Lower Upper
43 100
58 29.4 23.0 34.6





#19

Methyl tert-butyl Ether

Concen: 0.430 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX027167.D

Acq: 24 Feb 2022 14:00

Instrument :

MSVOA_X

ClientSampleId :

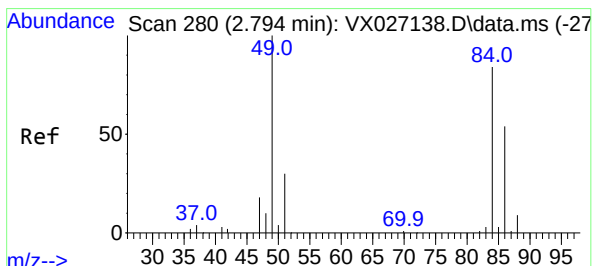
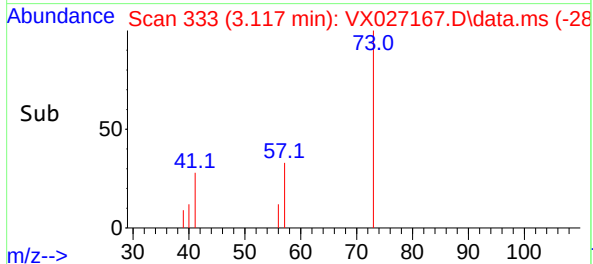
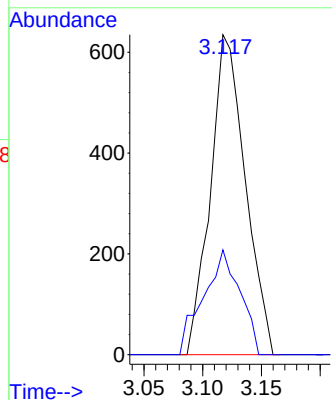
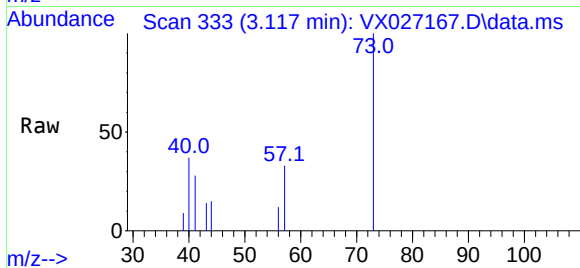
31416

Tgt Ion: 73 Resp: 1308

Ion Ratio Lower Upper

73 100

57 32.8 17.4 26.2#



#20

Methylene Chloride

Concen: 0.433 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.006 min

Lab File: VX027167.D

Acq: 24 Feb 2022 14:00

Tgt Ion: 84 Resp: 431

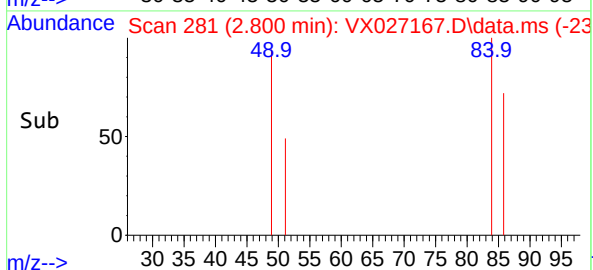
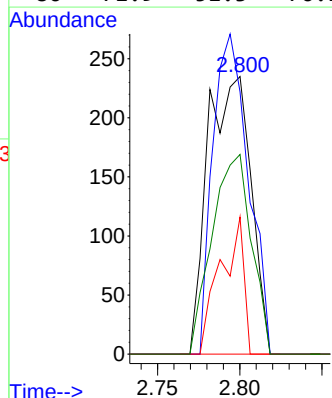
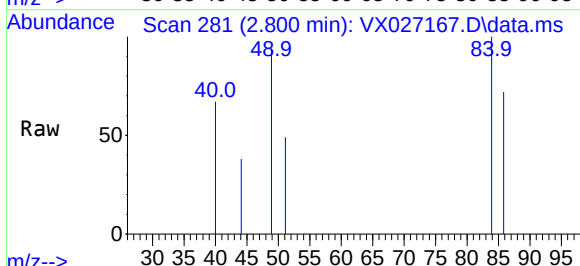
Ion Ratio Lower Upper

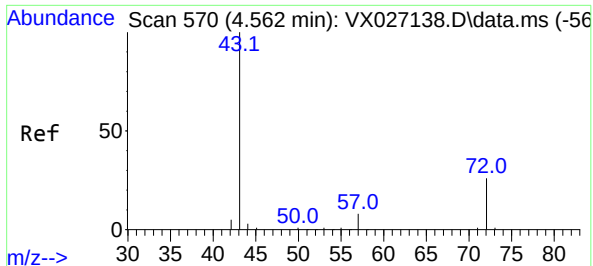
84 100

49 94.5 101.5 152.3#

51 49.4 31.2 46.8#

86 71.9 51.3 76.9





#25

2-Butanone

Concen: 3.234 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX027167.D

Acq: 24 Feb 2022 14:00

Instrument :

MSVOA_X

ClientSampleId :

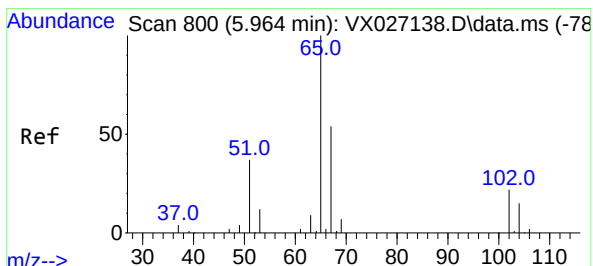
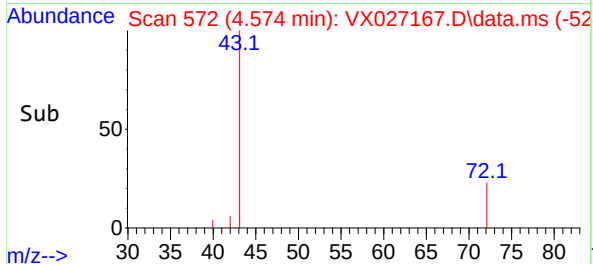
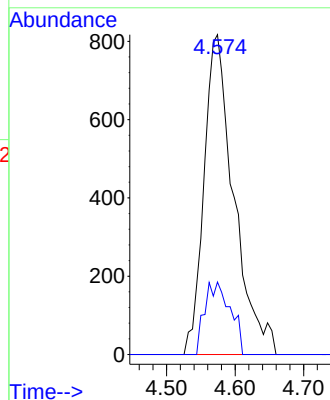
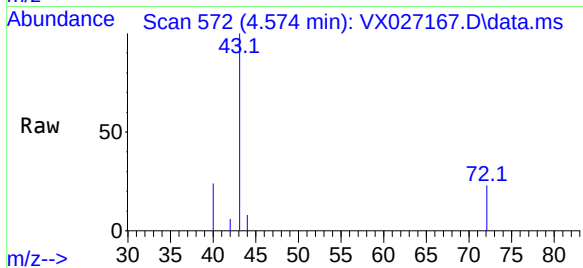
31416

Tgt Ion: 43 Resp: 2471

Ion Ratio Lower Upper

43 100

72 22.6 20.4 30.6



#33

1,2-Dichloroethane-d4

Concen: 49.651 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX027167.D

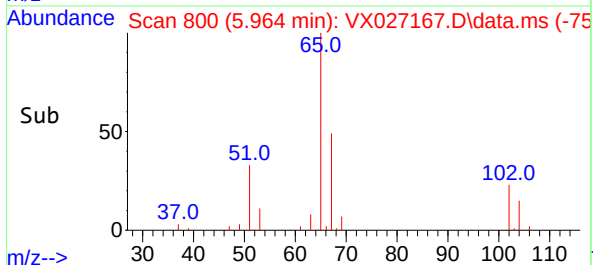
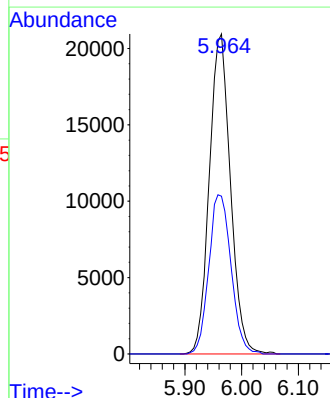
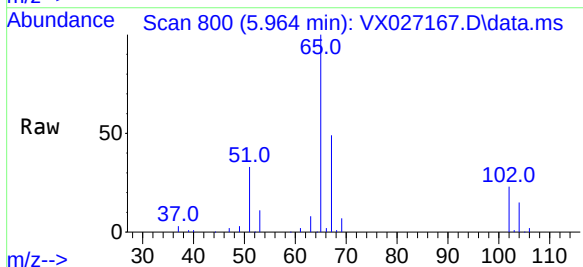
Acq: 24 Feb 2022 14:00

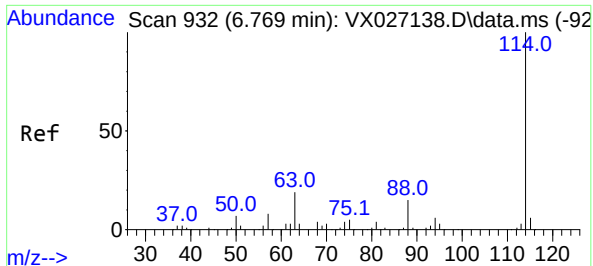
Tgt Ion: 65 Resp: 54249

Ion Ratio Lower Upper

65 100

67 52.3 0.0 100.8

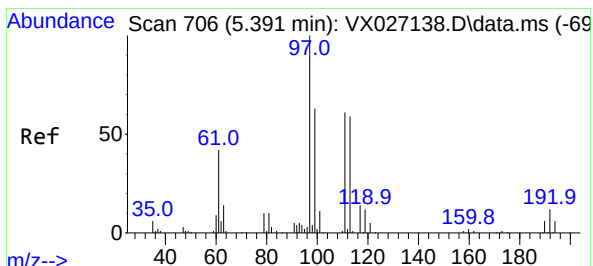
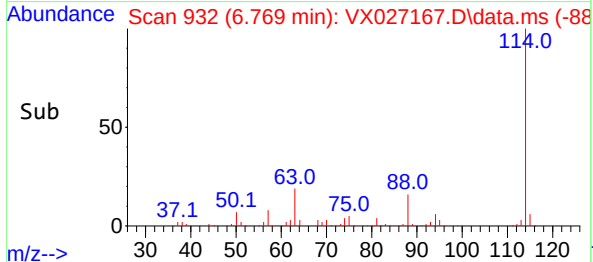
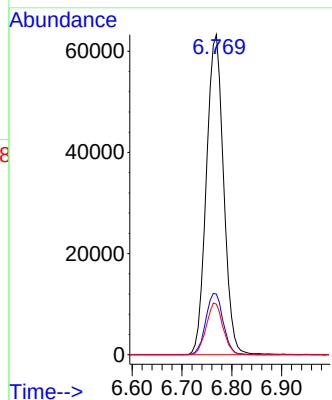
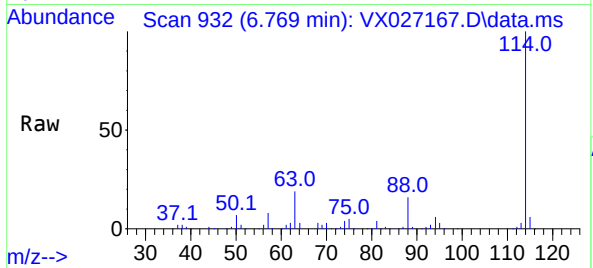




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX027167.D
Acq: 24 Feb 2022 14:00

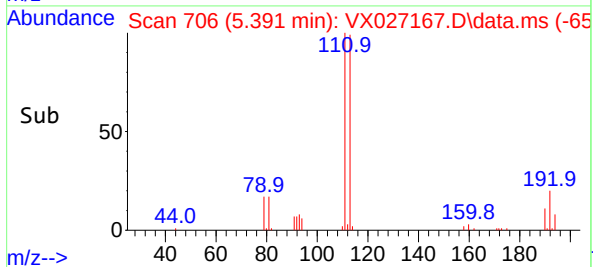
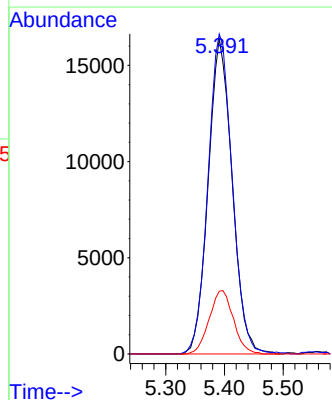
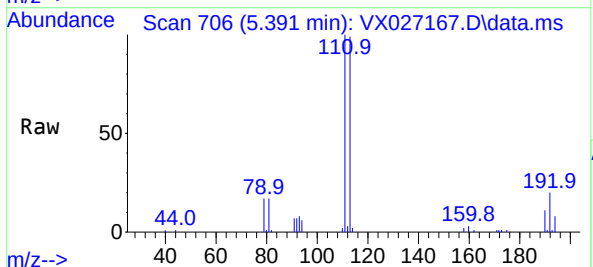
Instrument :
MSVOA_X
ClientSampleId :
31416

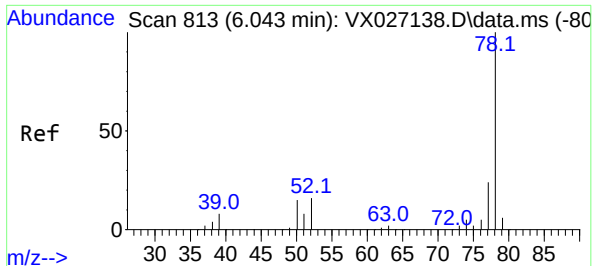
Tgt Ion:114 Resp: 151468
Ion Ratio Lower Upper
114 100
63 19.0 0.0 42.8
88 15.8 0.0 33.0



#35
Dibromofluoromethane
Concen: 49.277 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027167.D
Acq: 24 Feb 2022 14:00

Tgt Ion:113 Resp: 46330
Ion Ratio Lower Upper
113 100
111 102.8 81.2 121.8
192 20.4 15.0 22.4

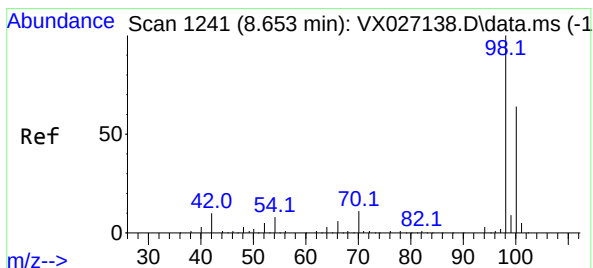
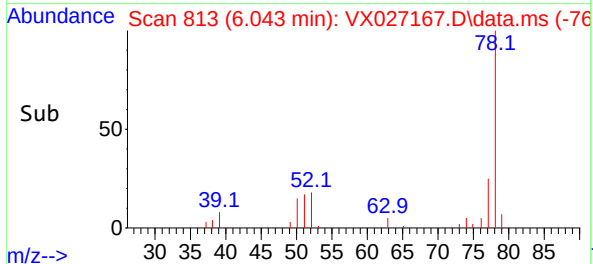
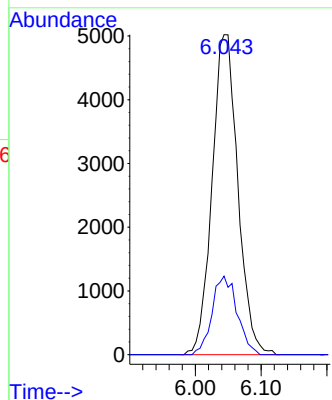
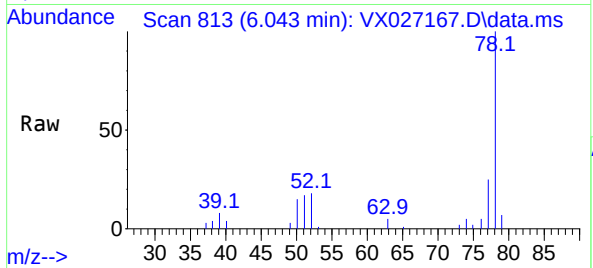




#40
Benzene
Concen: 3.408 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX027167.D
Acq: 24 Feb 2022 14:00

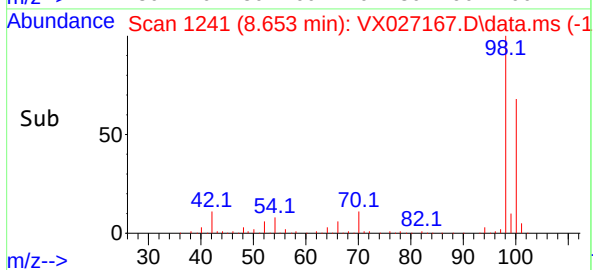
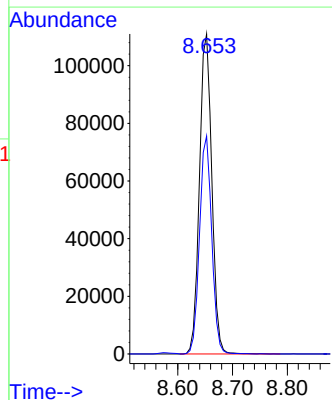
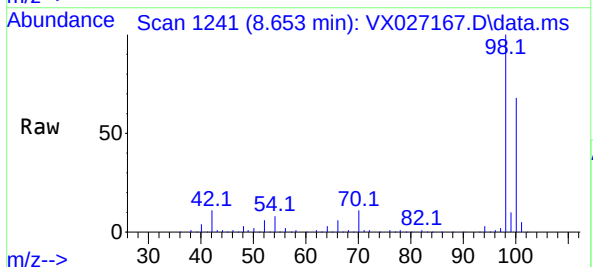
Instrument :
MSVOA_X
ClientSampleId :
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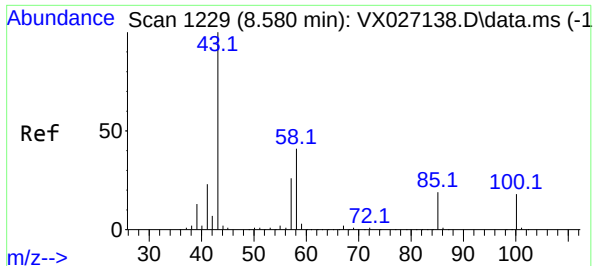
Tgt Ion: 78 Resp: 13675
Ion Ratio Lower Upper
78 100
77 24.5 18.9 28.3



#50
Toluene-d8
Concen: 49.454 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027167.D
Acq: 24 Feb 2022 14:00

Tgt Ion: 98 Resp: 173856
Ion Ratio Lower Upper
98 100
100 67.2 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 2.462 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VX027167.D

Acq: 24 Feb 2022 14:00

Instrument :

MSVOA_X

ClientSampleId :

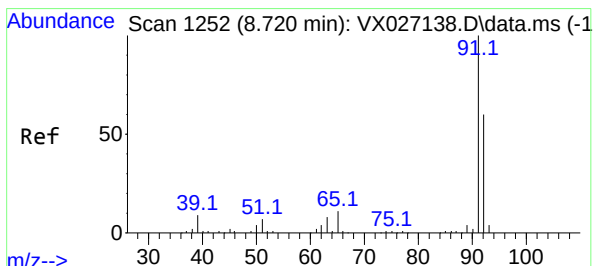
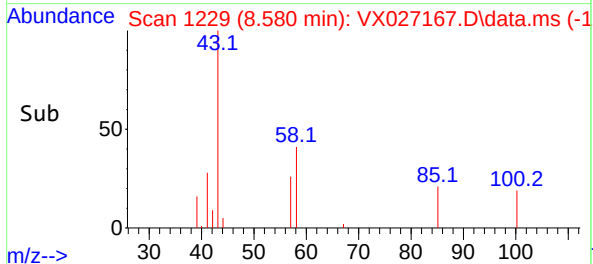
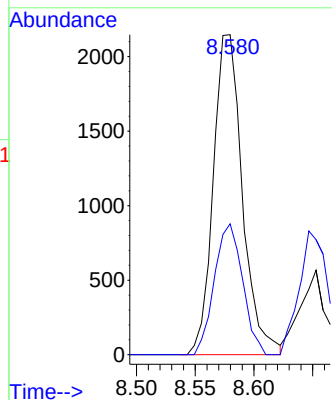
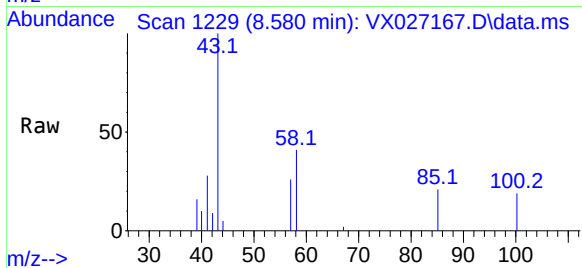
31416

Tgt Ion: 43 Resp: 3708

Ion Ratio Lower Upper

43 100

58 39.6 30.5 45.7



#52

Toluene

Concen: 14.337 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX027167.D

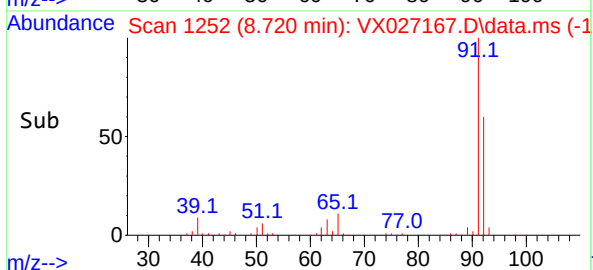
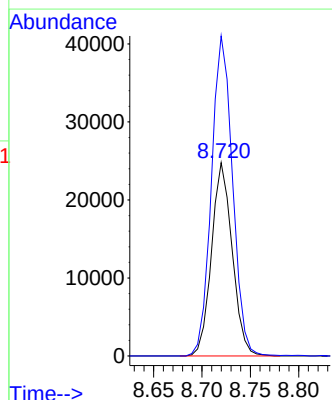
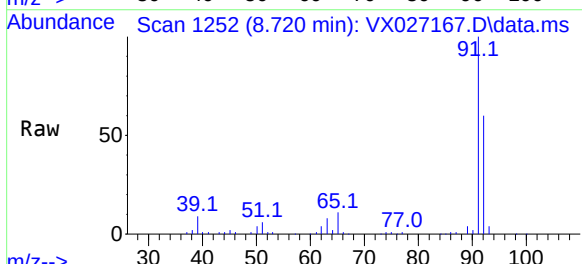
Acq: 24 Feb 2022 14:00

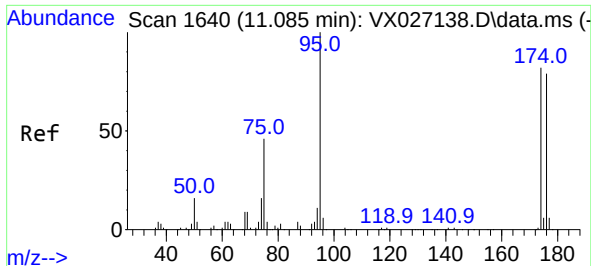
Tgt Ion: 92 Resp: 36837

Ion Ratio Lower Upper

92 100

91 169.5 135.7 203.5

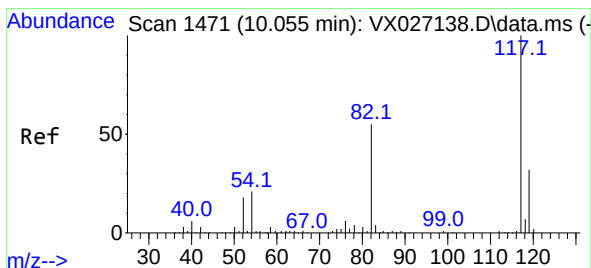
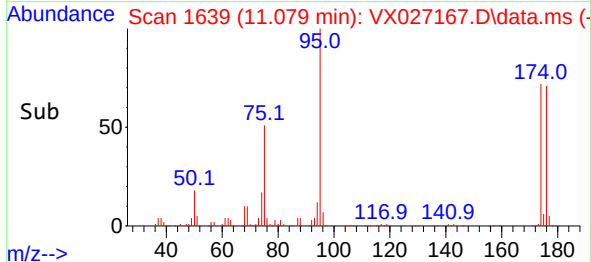
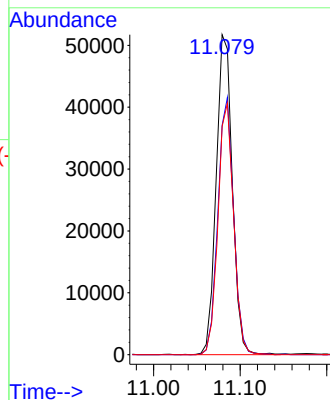
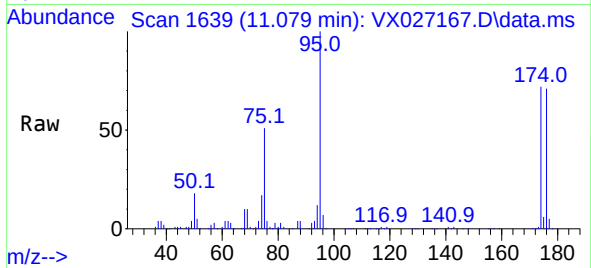




#62
4-Bromofluorobenzene
Concen: 49.633 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX027167.D
Acq: 24 Feb 2022 14:00

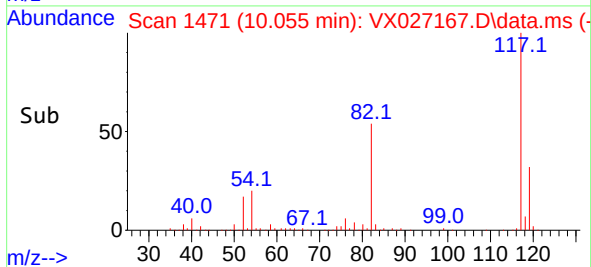
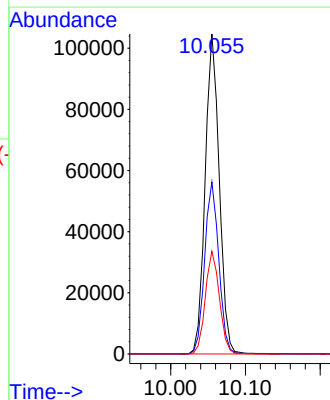
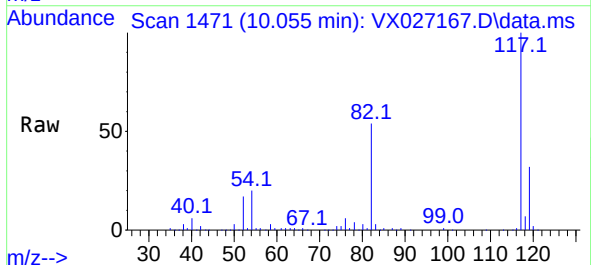
Instrument :
MSVOA_X
ClientSampleId :
31416

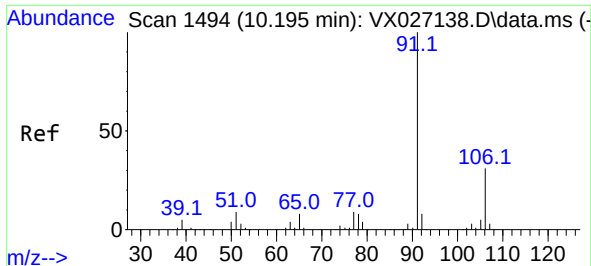
Tgt Ion: 95 Resp: 66976
Ion Ratio Lower Upper
95 100
174 78.3 0.0 148.6
176 76.2 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027167.D
Acq: 24 Feb 2022 14:00

Tgt Ion: 117 Resp: 137012
Ion Ratio Lower Upper
117 100
82 53.7 45.2 67.8
119 32.1 26.2 39.2

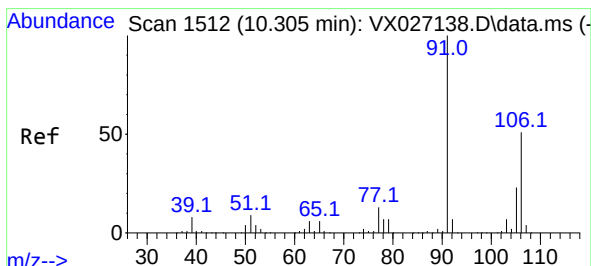
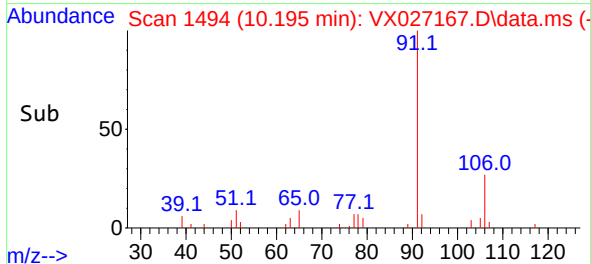
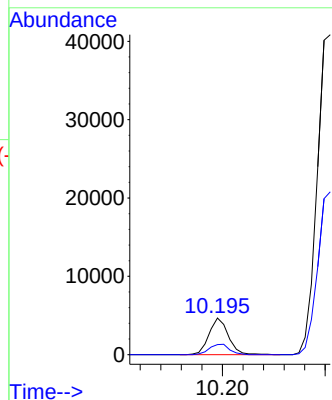
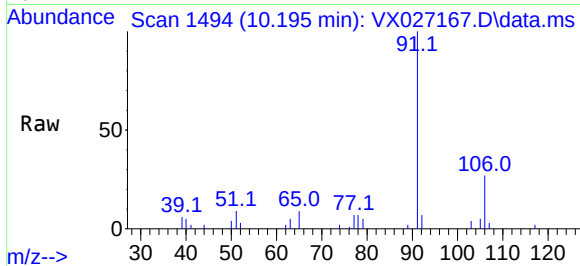




#67
Ethyl Benzene
Concen: 1.253 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX027167.D
Acq: 24 Feb 2022 14:00

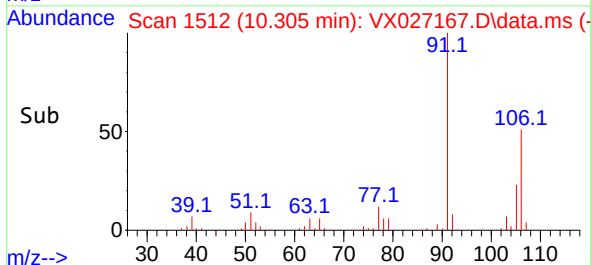
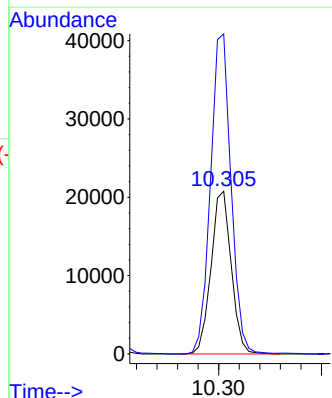
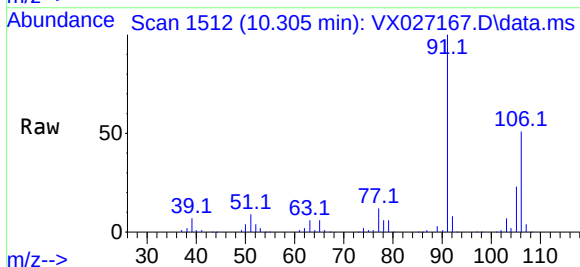
Instrument :
MSVOA_X
ClientSampleId :
31416

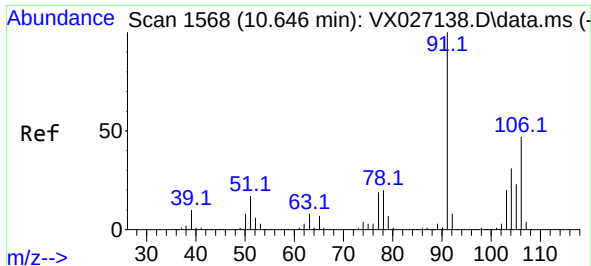
Tgt Ion: 91 Resp: 6143
Ion Ratio Lower Upper
91 100
106 27.3 24.7 37.1



#68
m/p-Xylenes
Concen: 15.014 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX027167.D
Acq: 24 Feb 2022 14:00

Tgt Ion: 106 Resp: 28299
Ion Ratio Lower Upper
106 100
91 200.1 165.3 247.9

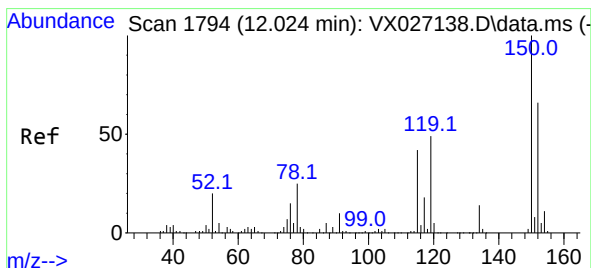
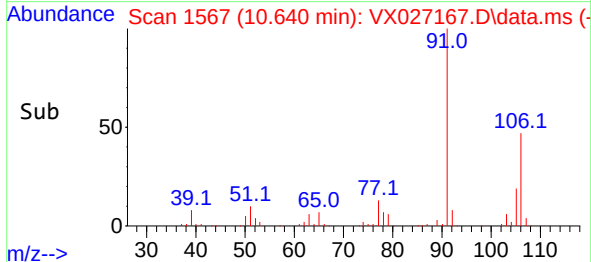
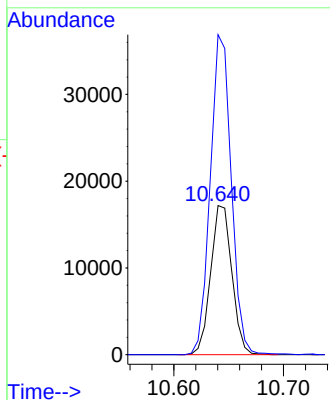
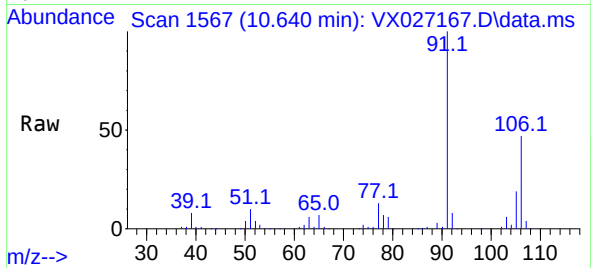




#69
o-Xylene
Concen: 12.216 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX027167.D
Acq: 24 Feb 2022 14:00

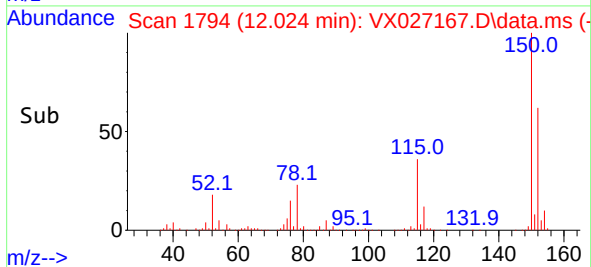
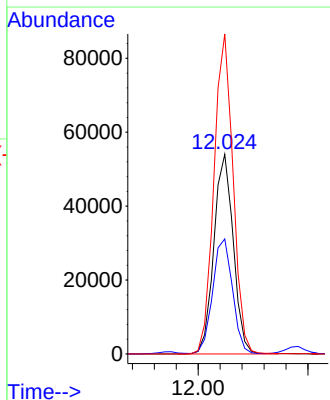
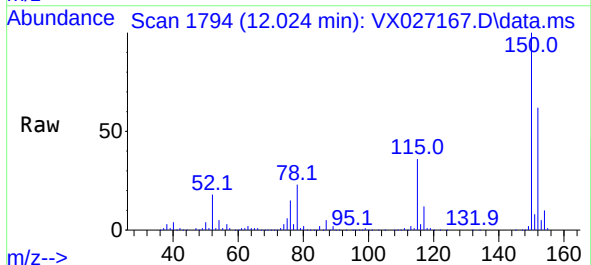
Instrument :
MSVOA_X
ClientSampleId :
31416

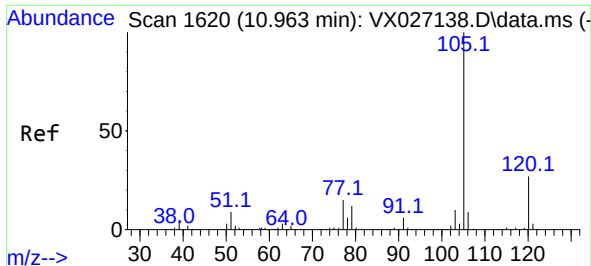
Tgt Ion:106 Resp: 23109
Ion Ratio Lower Upper
106 100
91 212.9 109.7 329.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027167.D
Acq: 24 Feb 2022 14:00

Tgt Ion:152 Resp: 66506
Ion Ratio Lower Upper
152 100
115 58.6 44.2 132.6
150 158.0 0.0 348.2

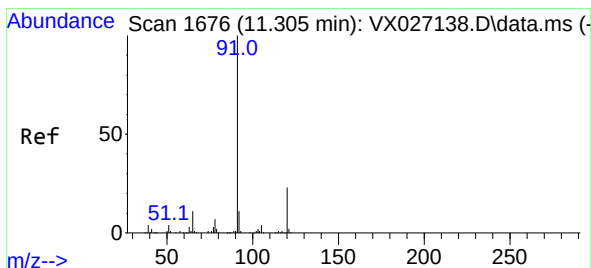
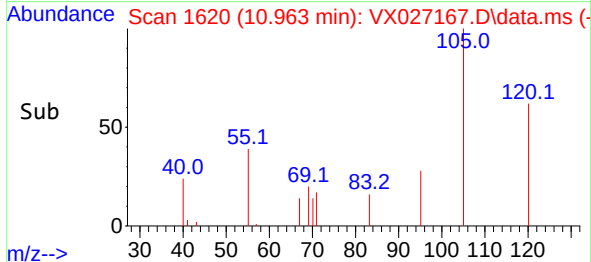
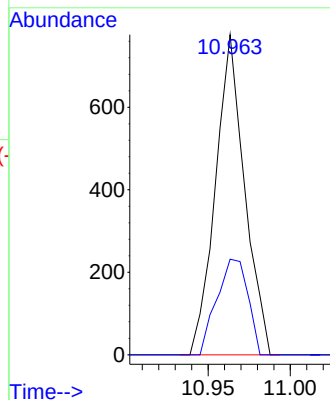
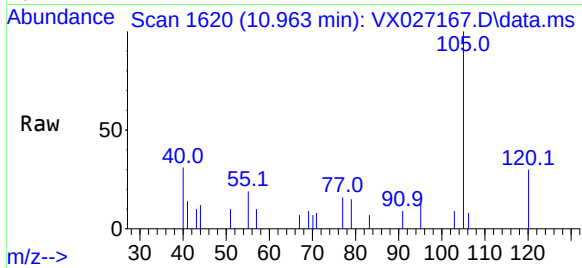




#73
Isopropylbenzene
Concen: 0.201 ug/l
RT: 10.963 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VX027167.D
Acq: 24 Feb 2022 14:00

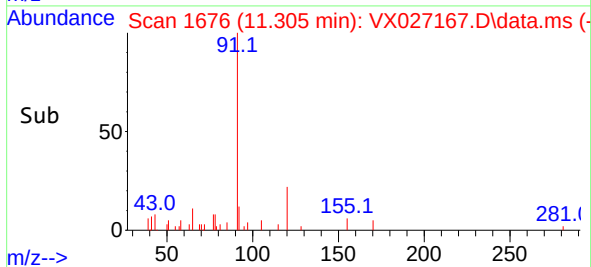
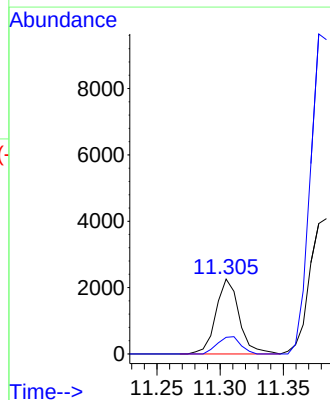
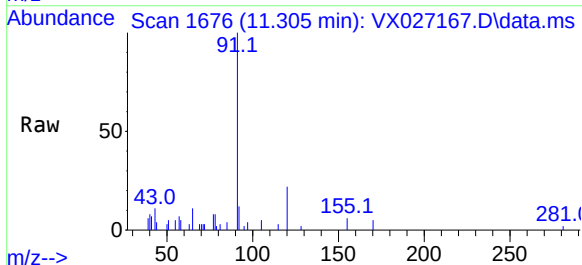
Instrument :
MSVOA_X
ClientSampleId :
31416

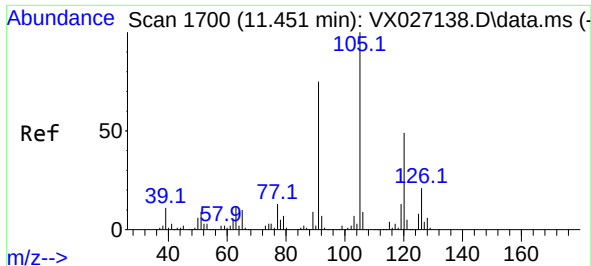
Tgt Ion:105 Resp: 957
Ion Ratio Lower Upper
105 100
120 31.8 13.1 39.1



#78
n-propylbenzene
Concen: 0.532 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX027167.D
Acq: 24 Feb 2022 14:00

Tgt Ion: 91 Resp: 2878
Ion Ratio Lower Upper
91 100
120 23.1 11.6 34.7

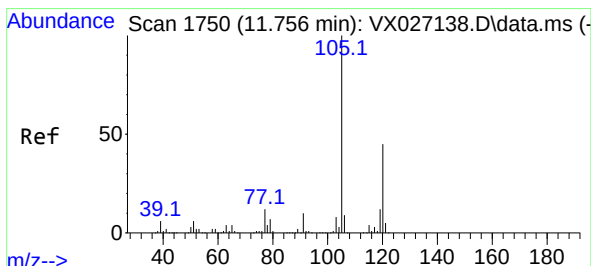
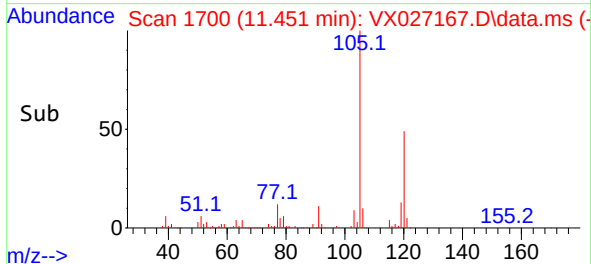
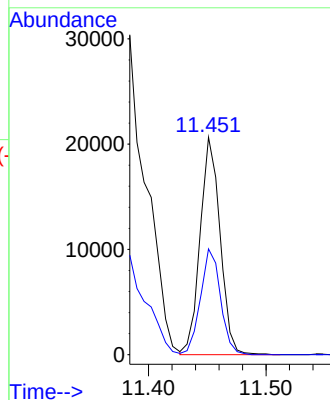
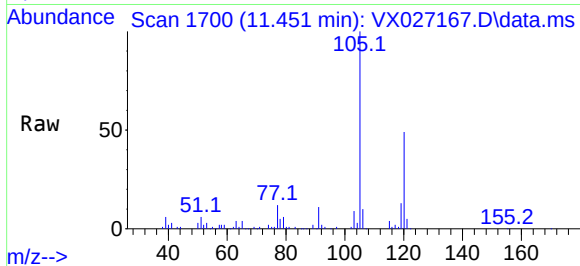




#80
1,3,5-Trimethylbenzene
Concen: 6.104 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX027167.D
Acq: 24 Feb 2022 14:00

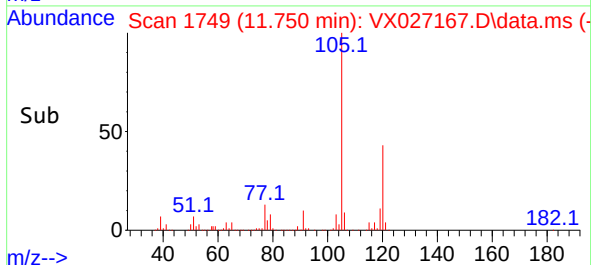
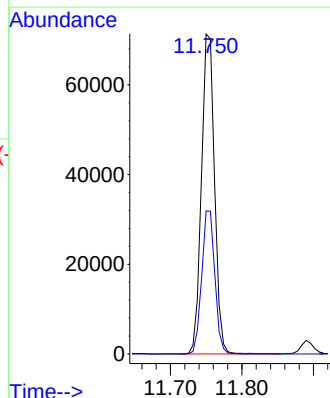
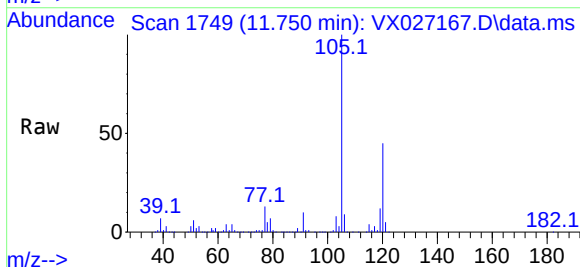
Instrument :
MSVOA_X
ClientSampleId :
31416

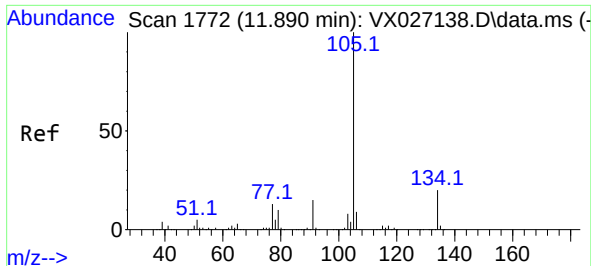
Tgt Ion:105 Resp: 24424
Ion Ratio Lower Upper
105 100
120 48.7 24.0 72.0



#84
1,2,4-Trimethylbenzene
Concen: 22.833 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VX027167.D
Acq: 24 Feb 2022 14:00

Tgt Ion:105 Resp: 90883
Ion Ratio Lower Upper
105 100
120 44.8 21.9 65.5

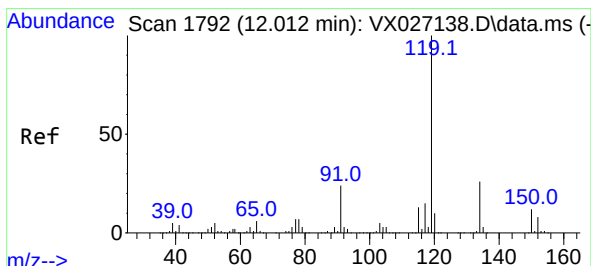
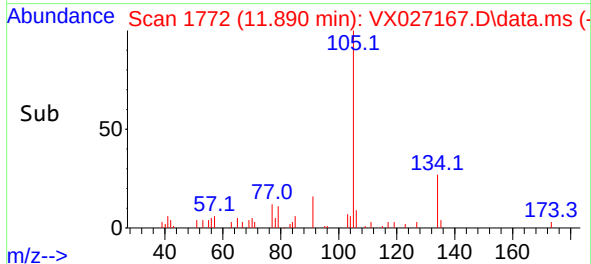
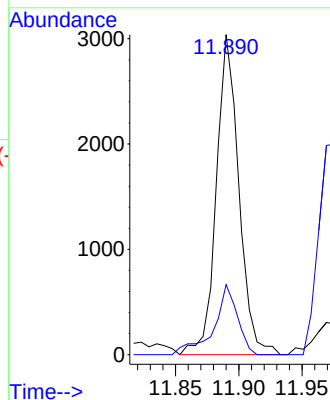
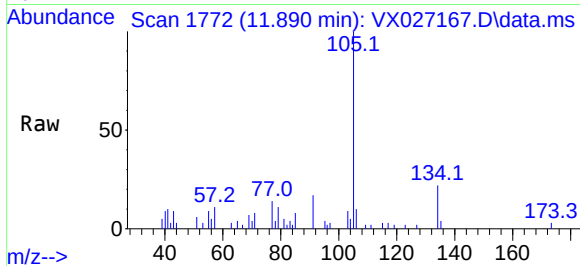




#85
 sec-Butylbenzene
 Concen: 0.771 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX027167.D
 Acq: 24 Feb 2022 14:00

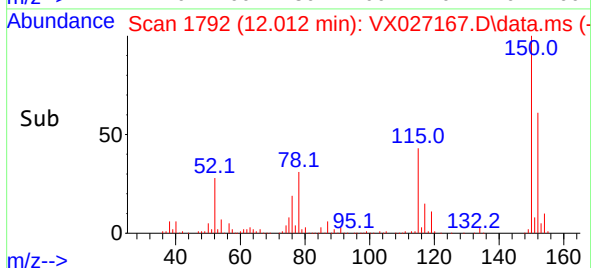
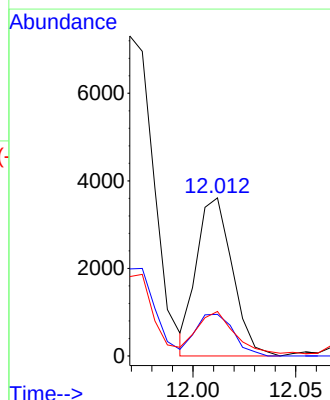
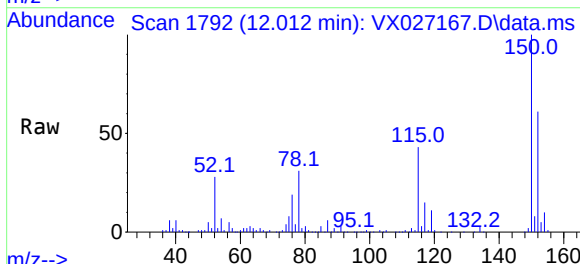
Instrument :
 MSVOA_X
 ClientSampleId :
 31416

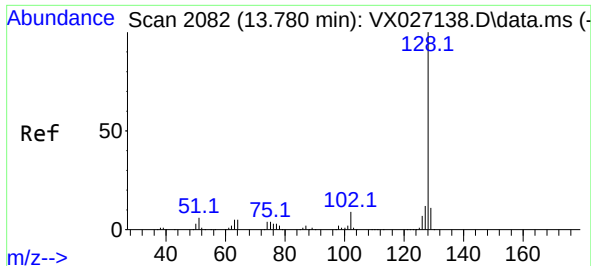
Tgt Ion:105 Resp: 3764
 Ion Ratio Lower Upper
 105 100
 134 22.9 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 1.054 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: VX027167.D
 Acq: 24 Feb 2022 14:00

Tgt Ion:119 Resp: 4385
 Ion Ratio Lower Upper
 119 100
 134 28.1 13.0 39.0
 91 28.1 12.6 37.6





#95

Naphthalene

Concen: 11.331 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX027167.D

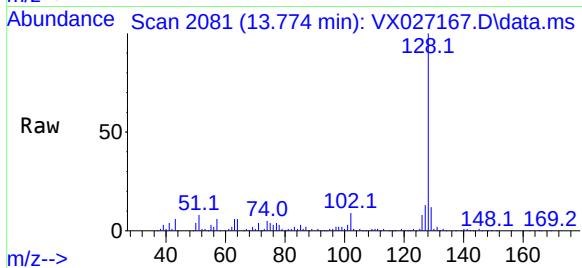
Acq: 24 Feb 2022 14:00

Instrument :

MSVOA_X

ClientSampleId :

31416



Tgt Ion:128 Resp: 52951

Ion Ratio Lower Upper

128 100

127 14.0 10.3 15.5

129 12.9 8.7 13.1

