

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041422\
 Data File : VX028113.D
 Acq On : 14 Apr 2022 17:35
 Operator : JC/MD
 Sample : N2406-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 220413003-02-VOA

Quant Time: Apr 15 03:16:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 12 22:07:23 2022
 Response via : Initial Calibration

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

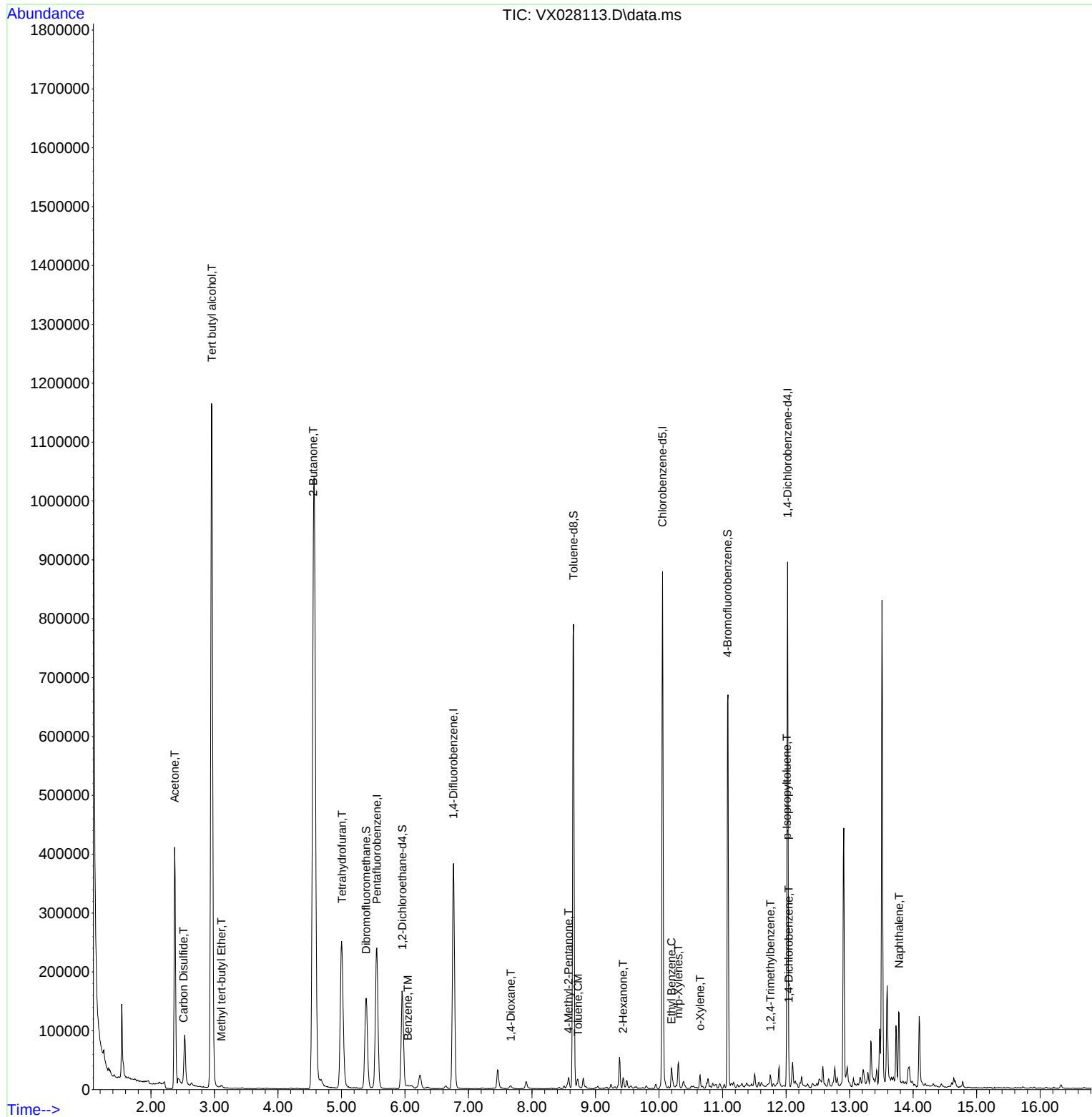
Internal Standards						
1) Pentafluorobenzene	5.556	168	229475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	392975	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	367283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	170924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	149379	47.982	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.960%
35) Dibromofluoromethane	5.385	113	131495	51.065	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.120%
50) Toluene-d8	8.653	98	466387	48.563	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.120%
62) 4-Bromofluorobenzene	11.079	95	160179	44.670	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	89.340%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	1413071	1955.386	ug/l	100
16) Acetone	2.374	43	415016	319.957	ug/l	93
17) Carbon Disulfide	2.514	76	11161	1.875	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	3924	0.461	ug/l #	88
25) 2-Butanone	4.556	43	728273	324.819	ug/l	95
29) Tetrahydrofuran	5.007	42	164667	112.367	ug/l	90
40) Benzene	6.044	78	5292	0.463	ug/l	99
49) 1,4-Dioxane	7.665	88	3019	38.839	ug/l #	84
51) 4-Methyl-2-Pentanone	8.574	43	12966	2.666	ug/l #	79
52) Toluene	8.726	92	3787	0.497	ug/l	98
59) 2-Hexanone	9.433	43	10117	2.656	ug/l	86
67) Ethyl Benzene	10.195	91	18559	1.315	ug/l	99
68) m/p-Xylenes	10.305	106	8956	1.520	ug/l	97
69) o-Xylene	10.647	106	4501	0.786	ug/l	92
84) 1,2,4-Trimethylbenzene	11.756	105	8024	0.781	ug/l	90
86) p-Isopropyltoluene	12.012	119	2545	0.232	ug/l #	67
88) 1,4-Dichlorobenzene	12.043	146	4303	0.710	ug/l #	60
95) Naphthalene	13.780	128	71154	6.309	ug/l	99

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

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
220413003-02-VOA

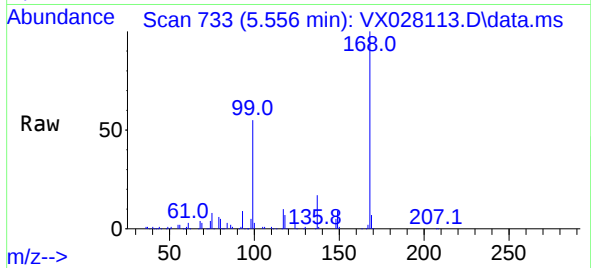
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041222W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 12 22:07:23 2022
Response via : Initial Calibration



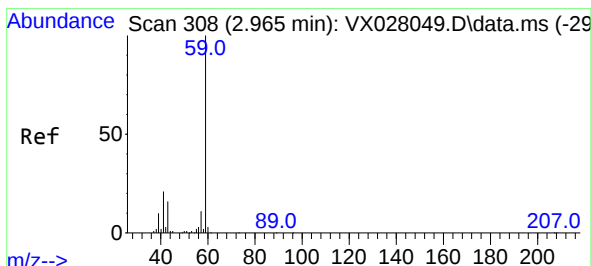
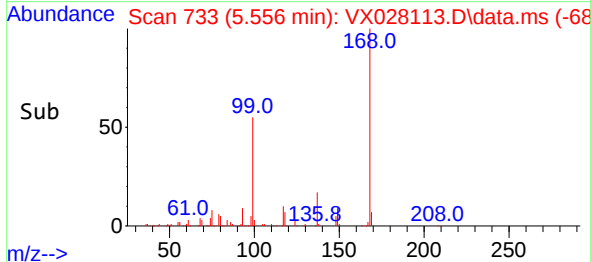
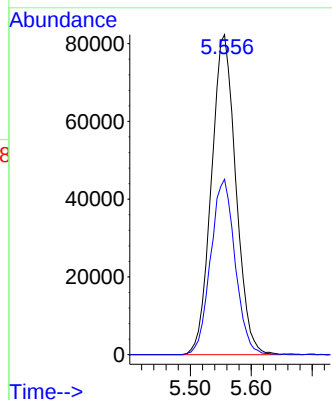


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

Instrument :
MSVOA_X
ClientSampleId :
220413003-02-VOA

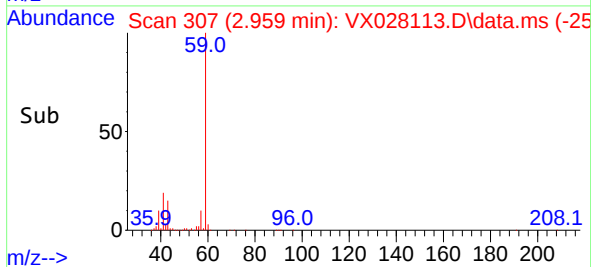
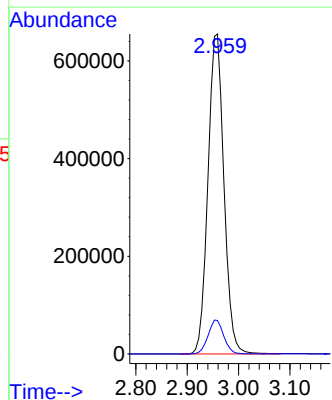
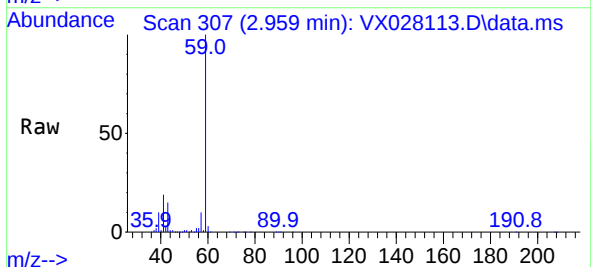


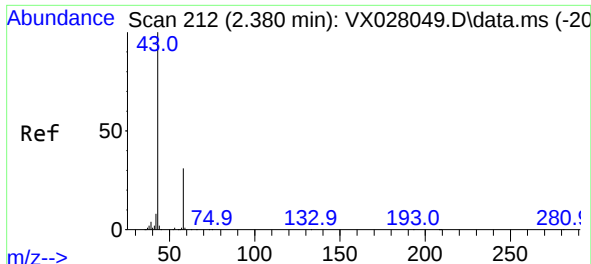
Tgt Ion:168 Resp: 229475
Ion Ratio Lower Upper
168 100
99 54.8 41.7 62.5



#11
Tert butyl alcohol
Concen: 1955.386 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

Tgt Ion: 59 Resp: 1413071
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5

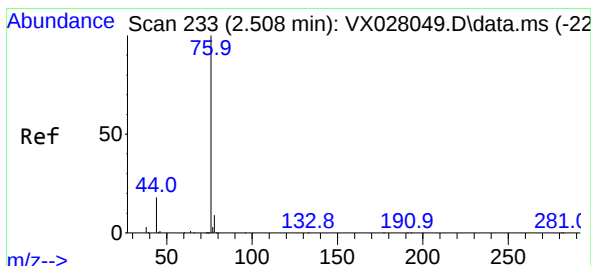
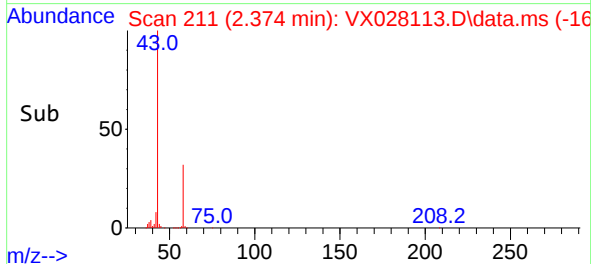
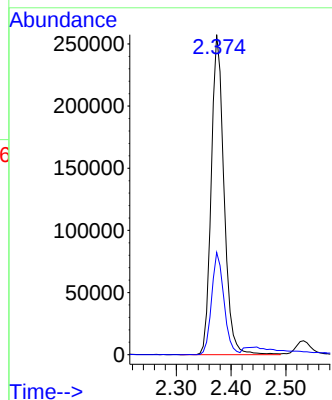
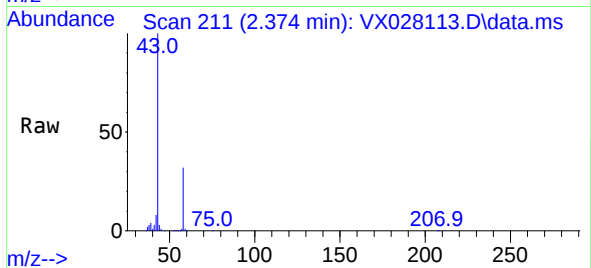




#16
Acetone
Concen: 319.957 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

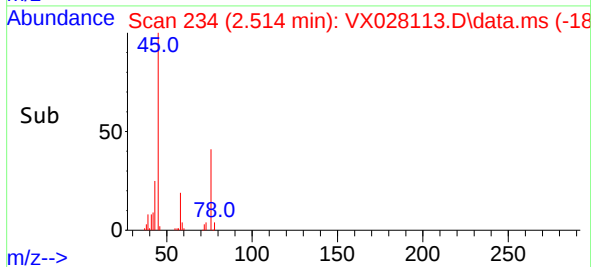
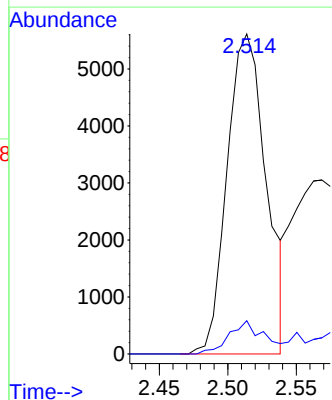
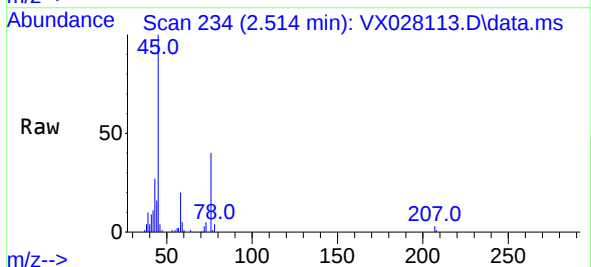
Instrument :
MSVOA_X
ClientSampleId :
220413003-02-VOA

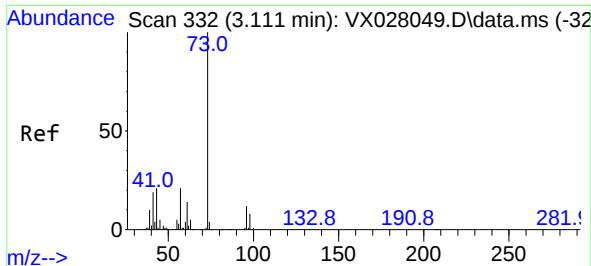
Tgt Ion: 43 Resp: 415016
Ion Ratio Lower Upper
43 100
58 31.9 28.8 43.2



#17
Carbon Disulfide
Concen: 1.875 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

Tgt Ion: 76 Resp: 11161
Ion Ratio Lower Upper
76 100
78 10.4 7.2 10.8

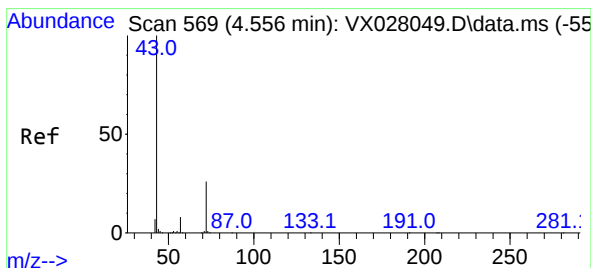
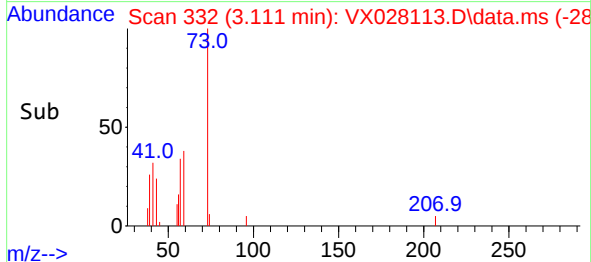
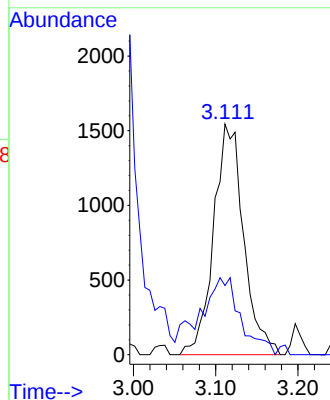
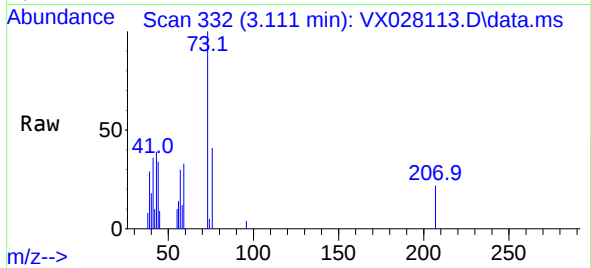




#19
Methyl tert-butyl Ether
Concen: 0.461 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

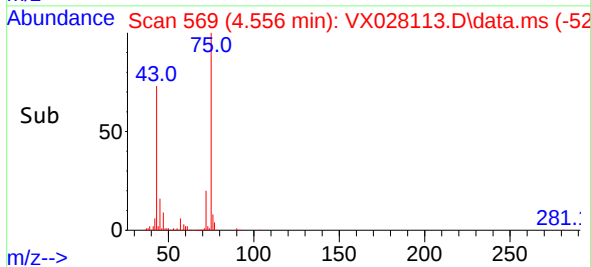
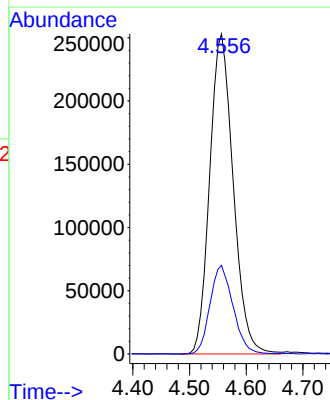
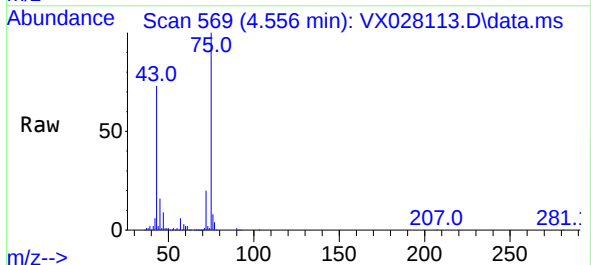
Instrument :
MSVOA_X
ClientSampleId :
220413003-02-VOA

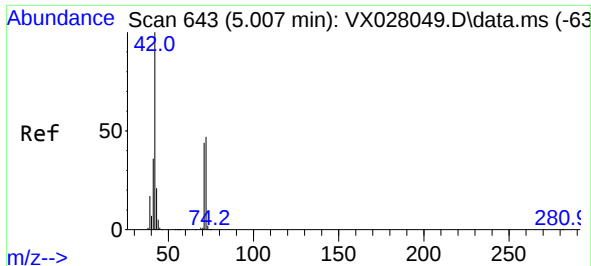
Tgt Ion: 73 Resp: 3924
Ion Ratio Lower Upper
73 100
57 26.5 16.8 25.2#



#25
2-Butanone
Concen: 324.819 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

Tgt Ion: 43 Resp: 728273
Ion Ratio Lower Upper
43 100
72 27.7 24.4 36.6





#29

Tetrahydrofuran

Concen: 112.367 ug/l

RT: 5.007 min Scan# 643

Delta R.T. 0.000 min

Lab File: VX028113.D

Acq: 14 Apr 2022 17:35

Instrument :

MSVOA_X

ClientSampleId :

220413003-02-VOA

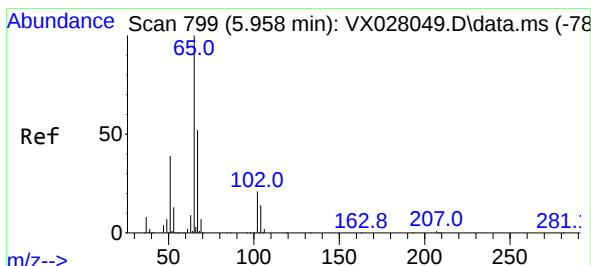
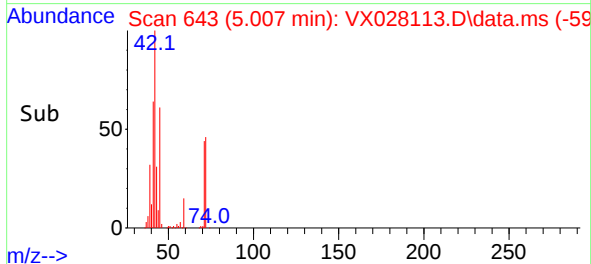
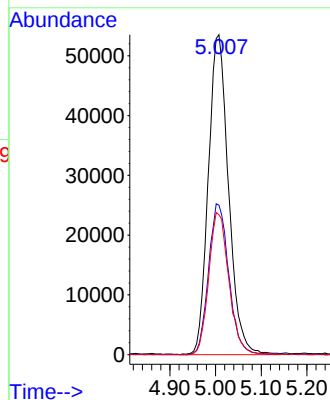
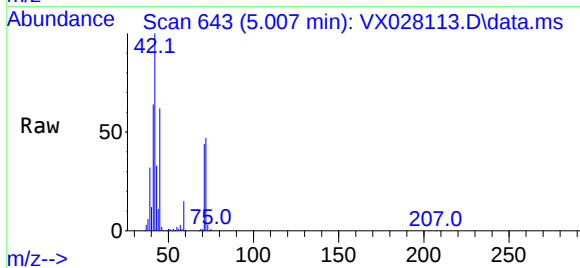
Tgt Ion: 42 Resp: 164667

Ion Ratio Lower Upper

42 100

72 47.2 44.1 66.1

71 44.0 40.5 60.7



#33

1,2-Dichloroethane-d4

Concen: 47.982 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028113.D

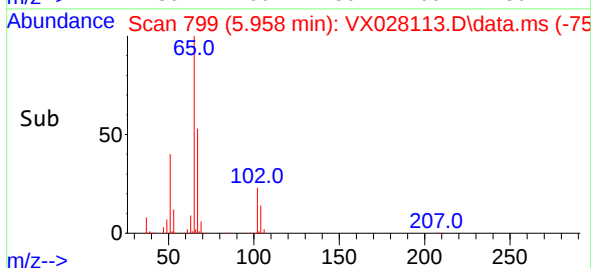
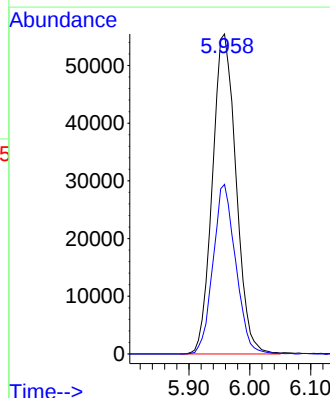
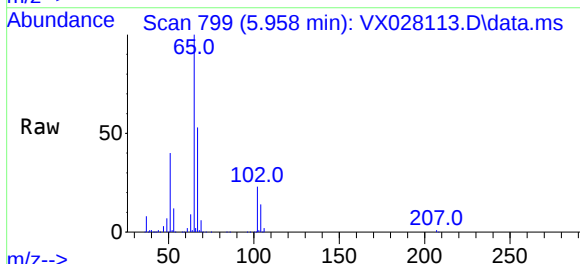
Acq: 14 Apr 2022 17:35

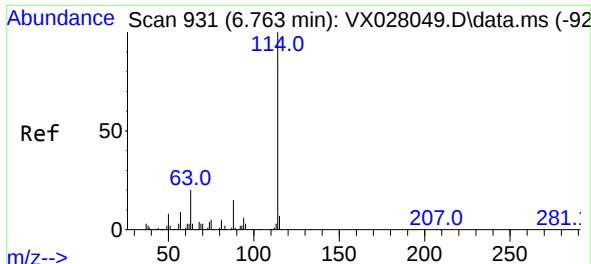
Tgt Ion: 65 Resp: 149379

Ion Ratio Lower Upper

65 100

67 50.8 0.0 107.4

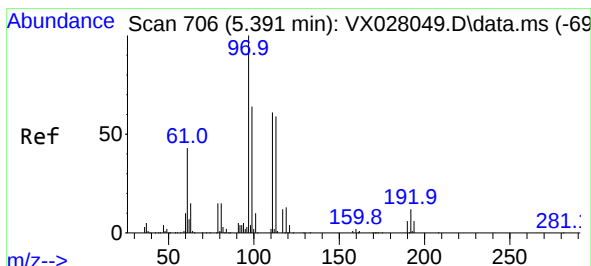
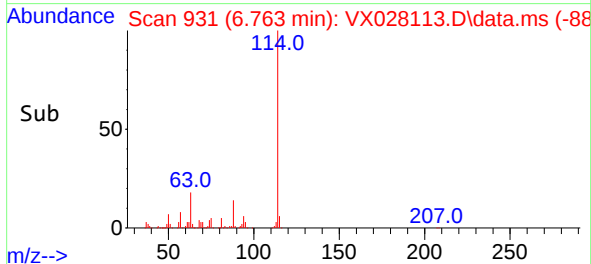
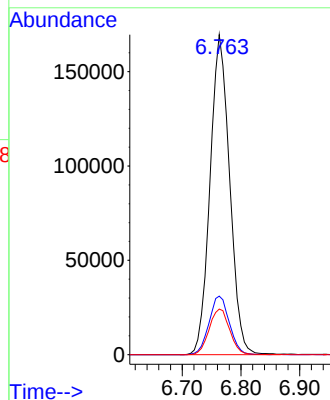
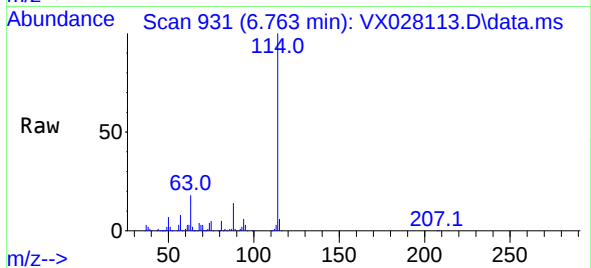




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

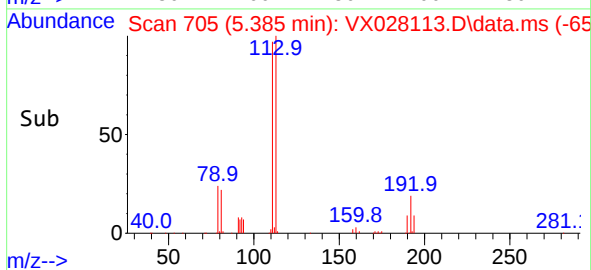
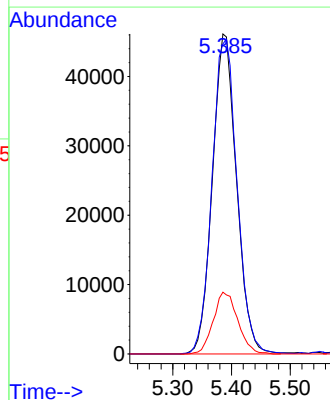
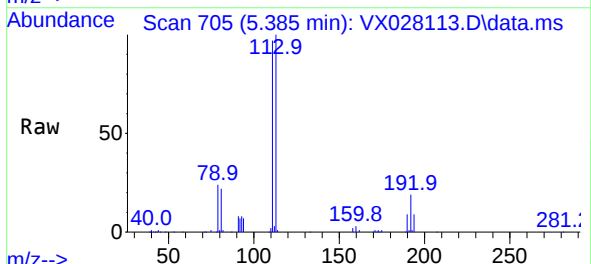
Instrument :
MSVOA_X
ClientSampleId :
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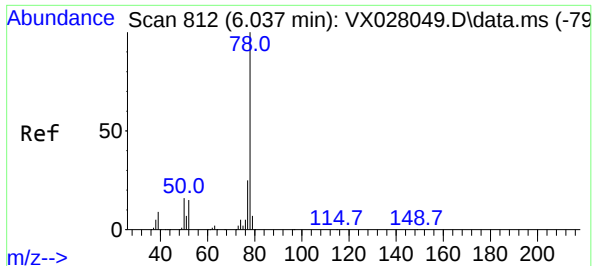
Tgt Ion:114 Resp: 392975
Ion Ratio Lower Upper
114 100
63 18.3 0.0 36.8
88 14.2 0.0 32.4



#35
Dibromofluoromethane
Concen: 51.065 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

Tgt Ion:113 Resp: 131495
Ion Ratio Lower Upper
113 100
111 102.2 82.8 124.2
192 19.6 16.9 25.3

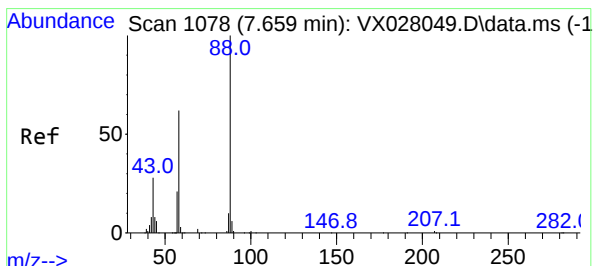
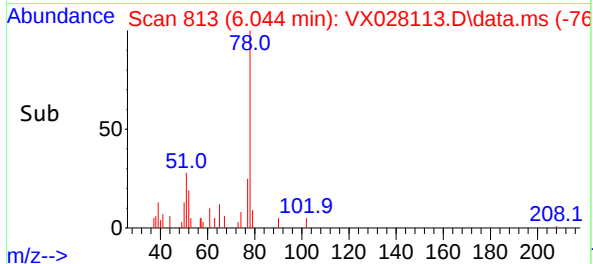
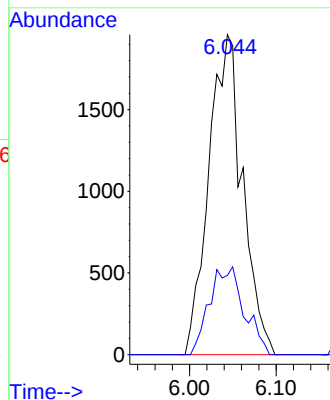
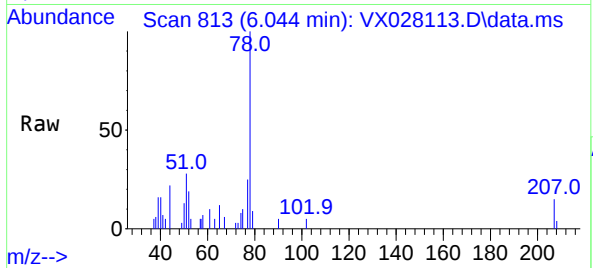




#40
Benzene
Concen: 0.463 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.007 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

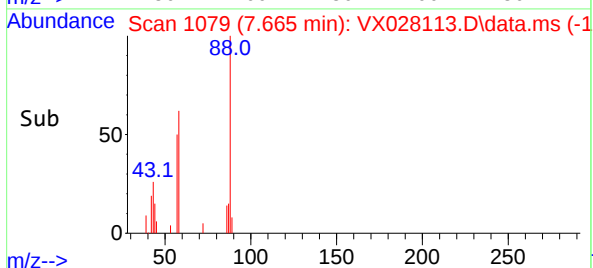
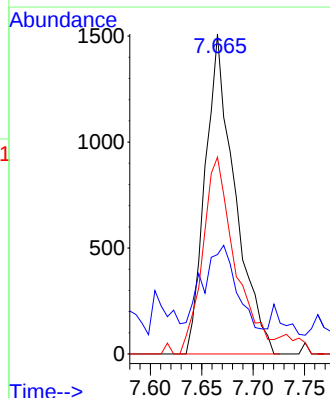
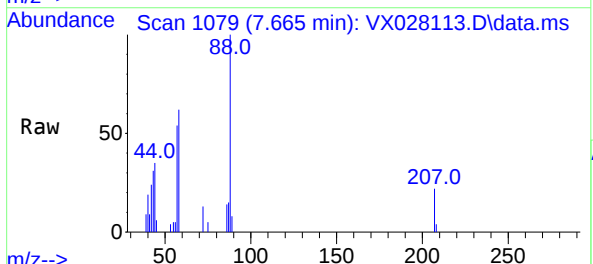
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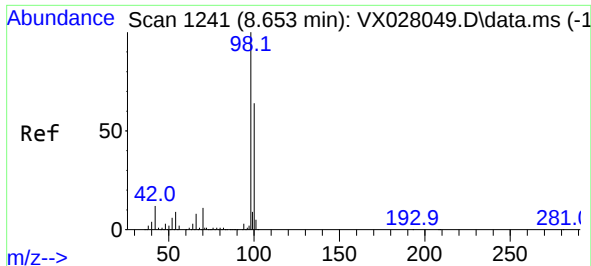
Tgt Ion: 78 Resp: 5292
Ion Ratio Lower Upper
78 100
77 24.8 19.3 28.9



#49
1,4-Dioxane
Concen: 38.839 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

Tgt Ion: 88 Resp: 3019
Ion Ratio Lower Upper
88 100
43 0.0 21.9 32.9#
58 68.0 53.7 80.5

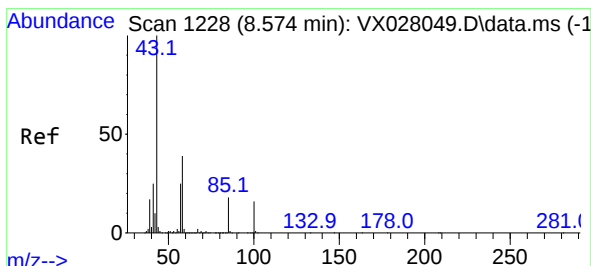
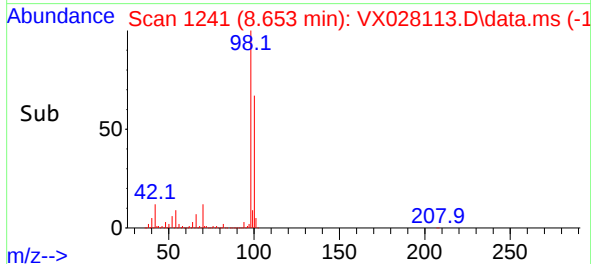
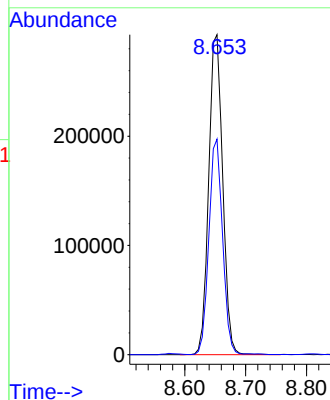
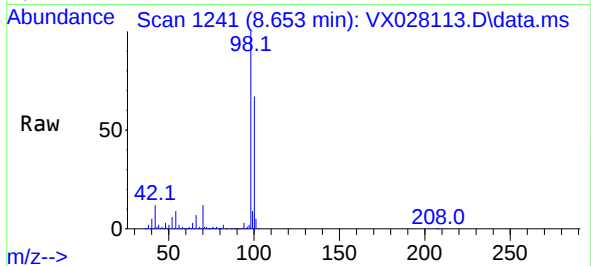




#50
Toluene-d8
Concen: 48.563 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

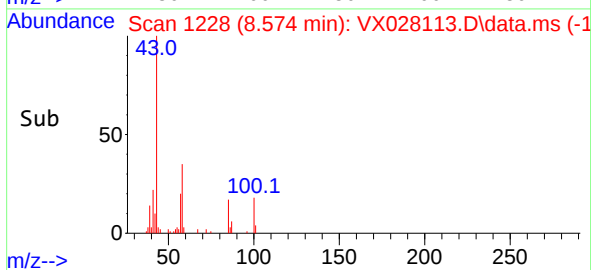
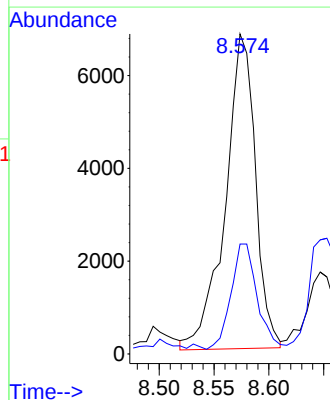
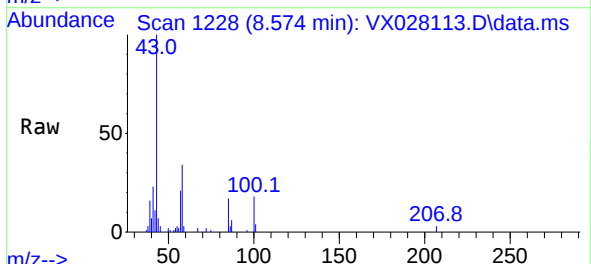
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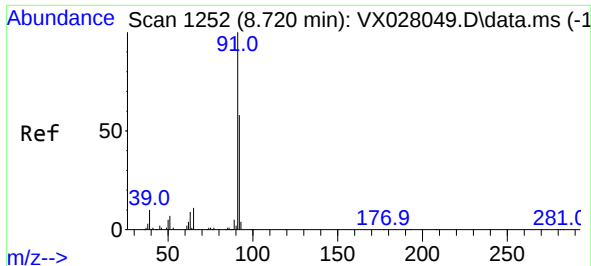
Tgt Ion: 98 Resp: 466387
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.666 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

Tgt Ion: 43 Resp: 12966
Ion Ratio Lower Upper
43 100
58 31.1 36.1 54.1#

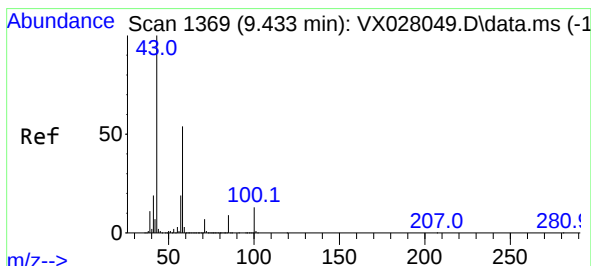
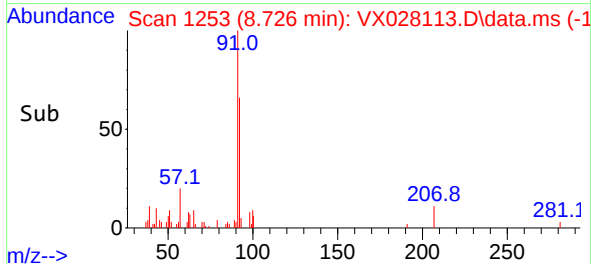
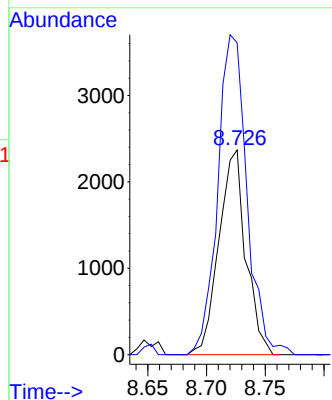
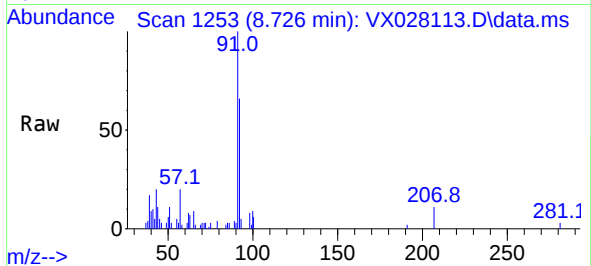




#52
Toluene
Concen: 0.497 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

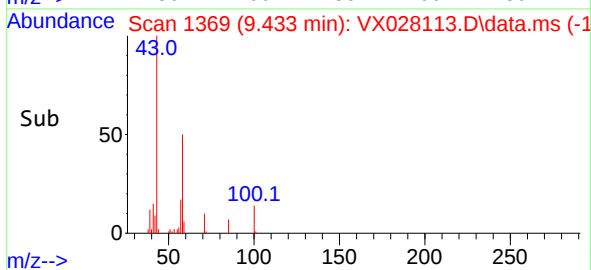
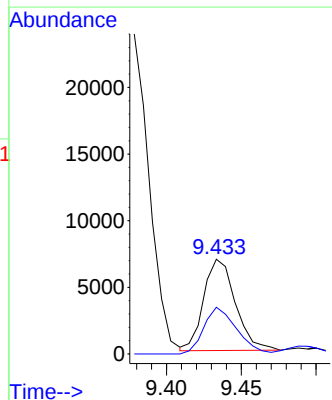
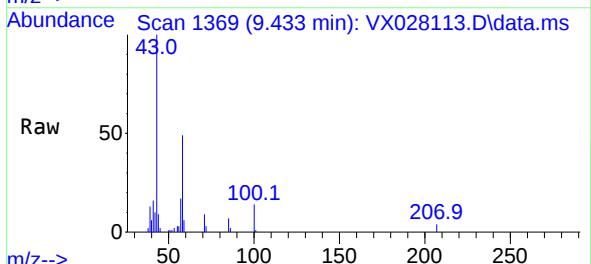
Instrument :
MSVOA_X
ClientSampleId :
220413003-02-VOA

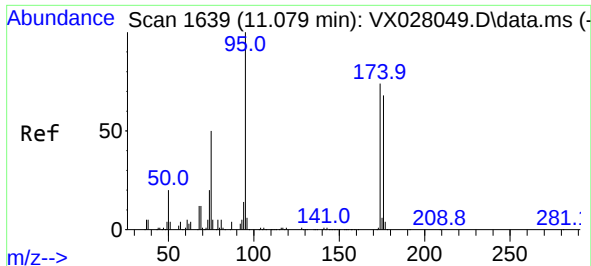
Tgt Ion: 92 Resp: 3787
Ion Ratio Lower Upper
92 100
91 169.3 137.5 206.3



#59
2-Hexanone
Concen: 2.656 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

Tgt Ion: 43 Resp: 10117
Ion Ratio Lower Upper
43 100
58 52.7 31.9 95.7

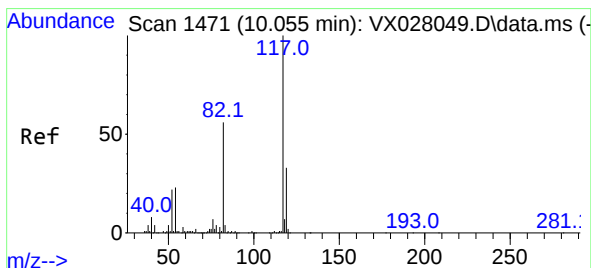
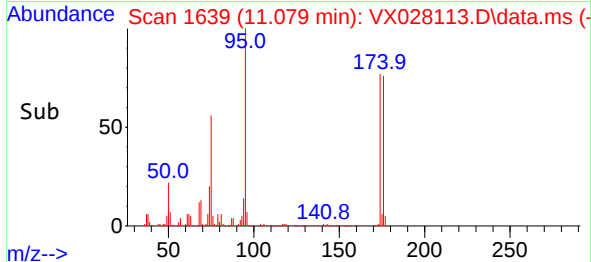
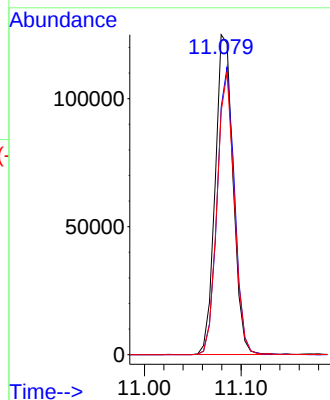
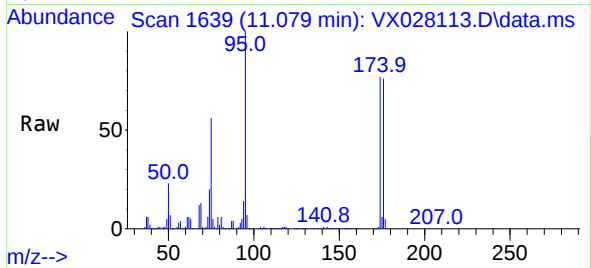




#62
4-Bromofluorobenzene
Concen: 44.670 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

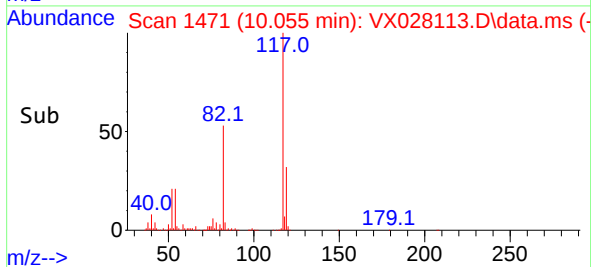
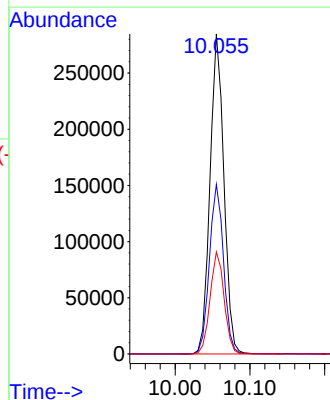
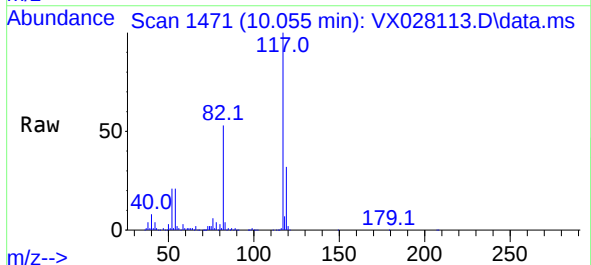
Instrument :
MSVOA_X
ClientSampleId :
220413003-02-VOA

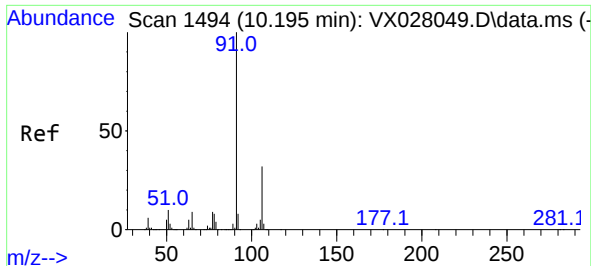
Tgt Ion: 95 Resp: 160179
Ion Ratio Lower Upper
95 100
174 87.2 0.0 163.0
176 85.0 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

Tgt Ion: 117 Resp: 367283
Ion Ratio Lower Upper
117 100
82 53.0 41.8 62.8
119 31.9 24.8 37.2

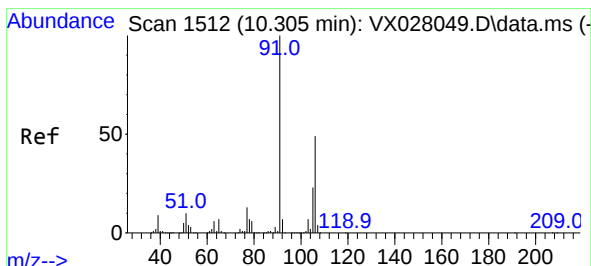
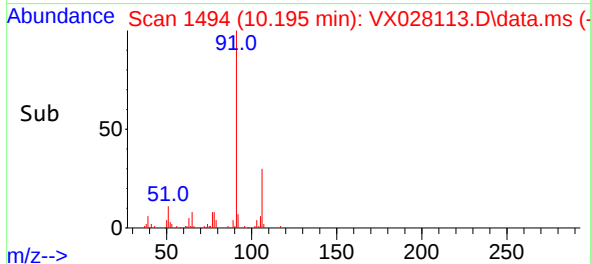
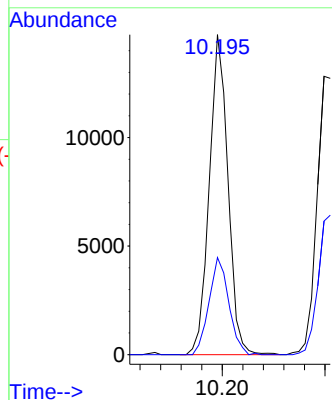
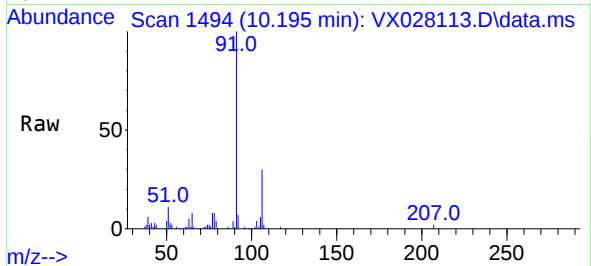




#67
Ethyl Benzene
Concen: 1.315 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

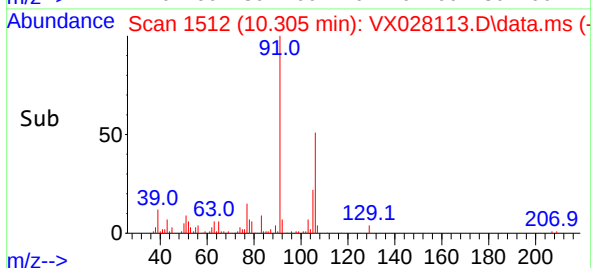
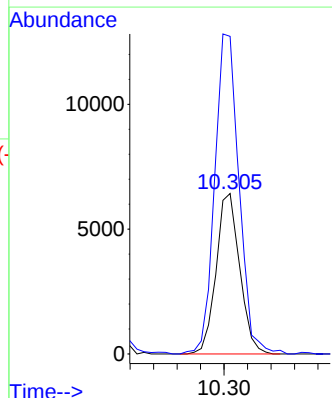
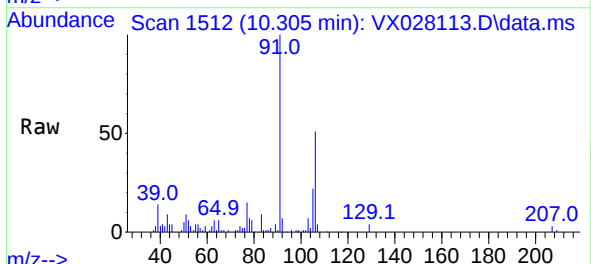
Instrument :
MSVOA_X
ClientSampleId :
220413003-02-VOA

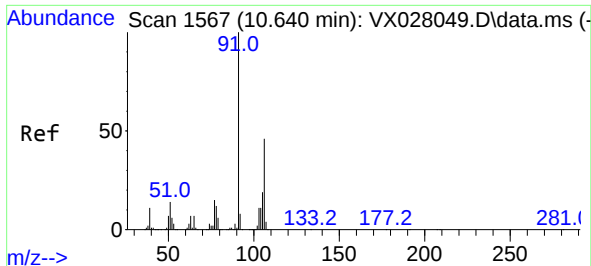
Tgt Ion: 91 Resp: 18559
Ion Ratio Lower Upper
91 100
106 30.4 24.6 36.8



#68
m/p-Xylenes
Concen: 1.520 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

Tgt Ion: 106 Resp: 8956
Ion Ratio Lower Upper
106 100
91 205.5 160.4 240.6

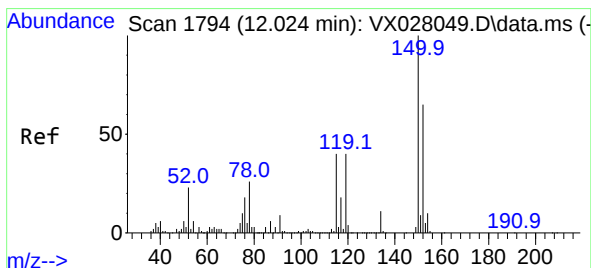
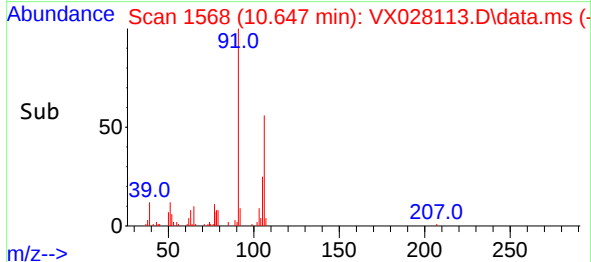
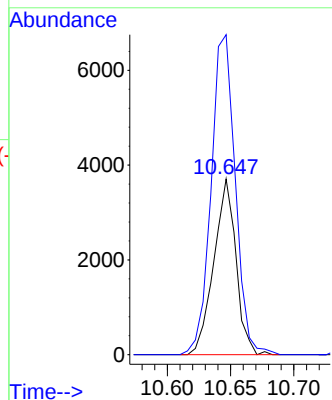
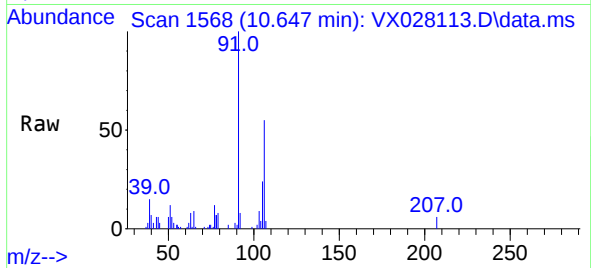




#69
o-Xylene
Concen: 0.786 ug/l
RT: 10.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

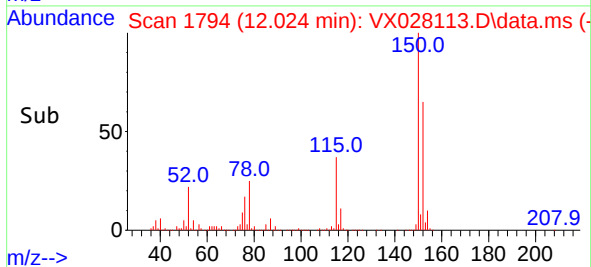
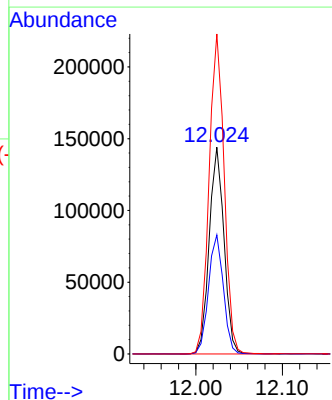
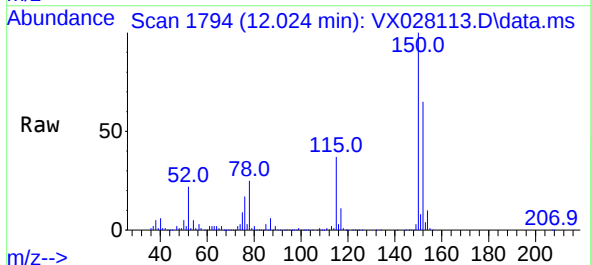
Instrument :
MSVOA_X
ClientSampleId :
220413003-02-VOA

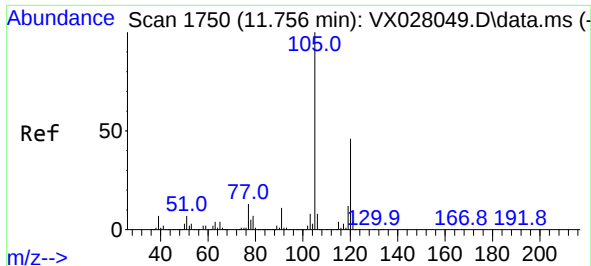
Tgt Ion:106 Resp: 4501
Ion Ratio Lower Upper
106 100
91 199.5 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

Tgt Ion:152 Resp: 170924
Ion Ratio Lower Upper
152 100
115 57.9 37.5 112.7
150 157.6 0.0 338.2

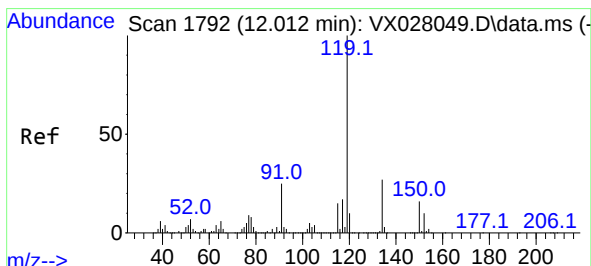
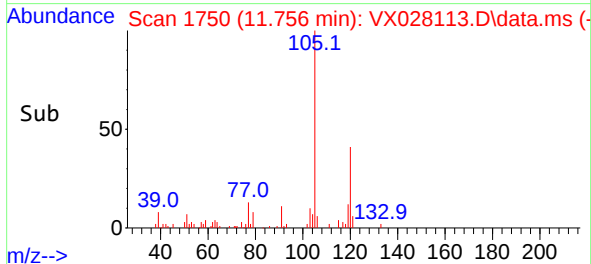
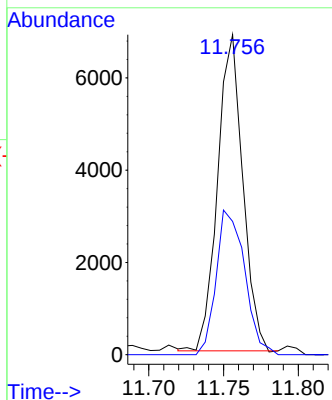
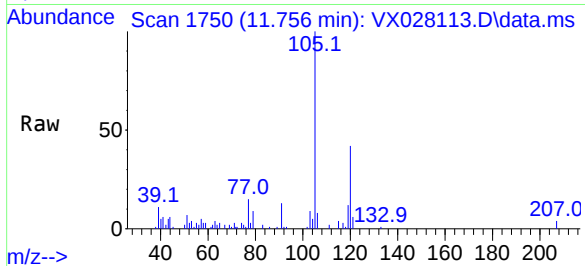




#84
1,2,4-Trimethylbenzene
Concen: 0.781 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

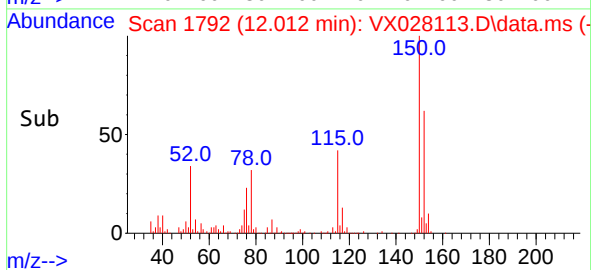
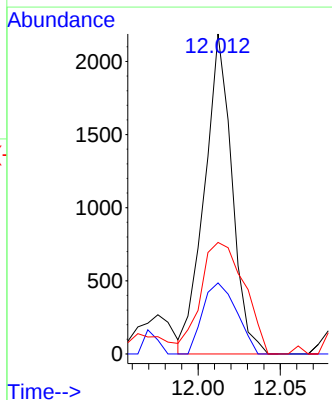
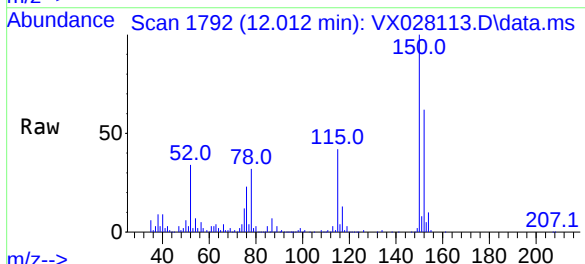
Instrument :
MSVOA_X
ClientSampleId :
220413003-02-VOA

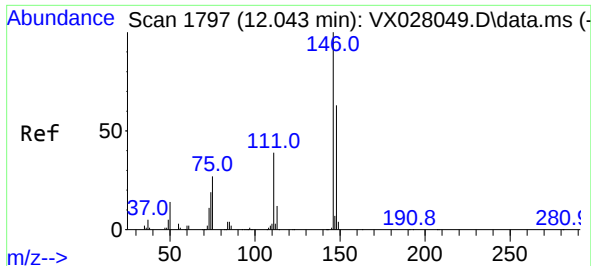
Tgt Ion:105 Resp: 8024
Ion Ratio Lower Upper
105 100
120 51.5 22.6 67.8



#86
p-Isopropyltoluene
Concen: 0.232 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

Tgt Ion:119 Resp: 2545
Ion Ratio Lower Upper
119 100
134 27.2 13.0 39.0
91 55.2 11.3 33.9#

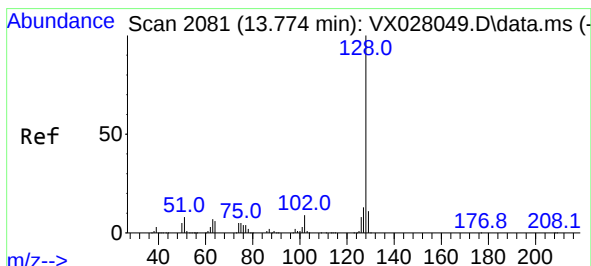
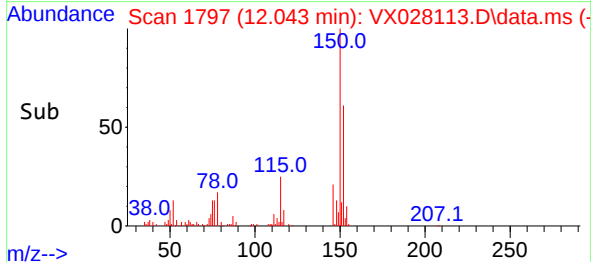
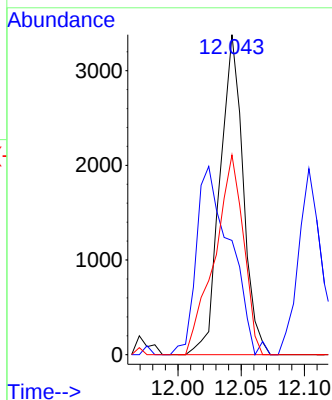
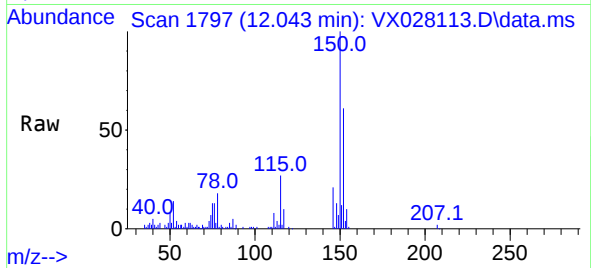




#88
1,4-Dichlorobenzene
Concen: 0.710 ug/l
RT: 12.043 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

Instrument :
MSVOA_X
ClientSampleId :
220413003-02-VOA

Tgt Ion:146 Resp: 4303
Ion Ratio Lower Upper
146 100
111 86.0 19.2 57.6#
148 78.0 32.3 96.9



#95
Naphthalene
Concen: 6.309 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX028113.D
Acq: 14 Apr 2022 17:35

Tgt Ion:128 Resp: 71154
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 11.4 8.7 13.1

