

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122823\
 Data File : VX039525.D
 Acq On : 28 Dec 2023 18:35
 Operator : JC/MD
 Sample : 06025-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50230

Quant Time: Dec 28 22:55:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	75363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	160068	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	160387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	69159	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67175	48.657	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.320%
35) Dibromofluoromethane	5.385	113	51697	46.750	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.500%
50) Toluene-d8	8.646	98	203649	49.605	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.200%
62) 4-Bromofluorobenzene	11.079	95	83735	49.434	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.860%

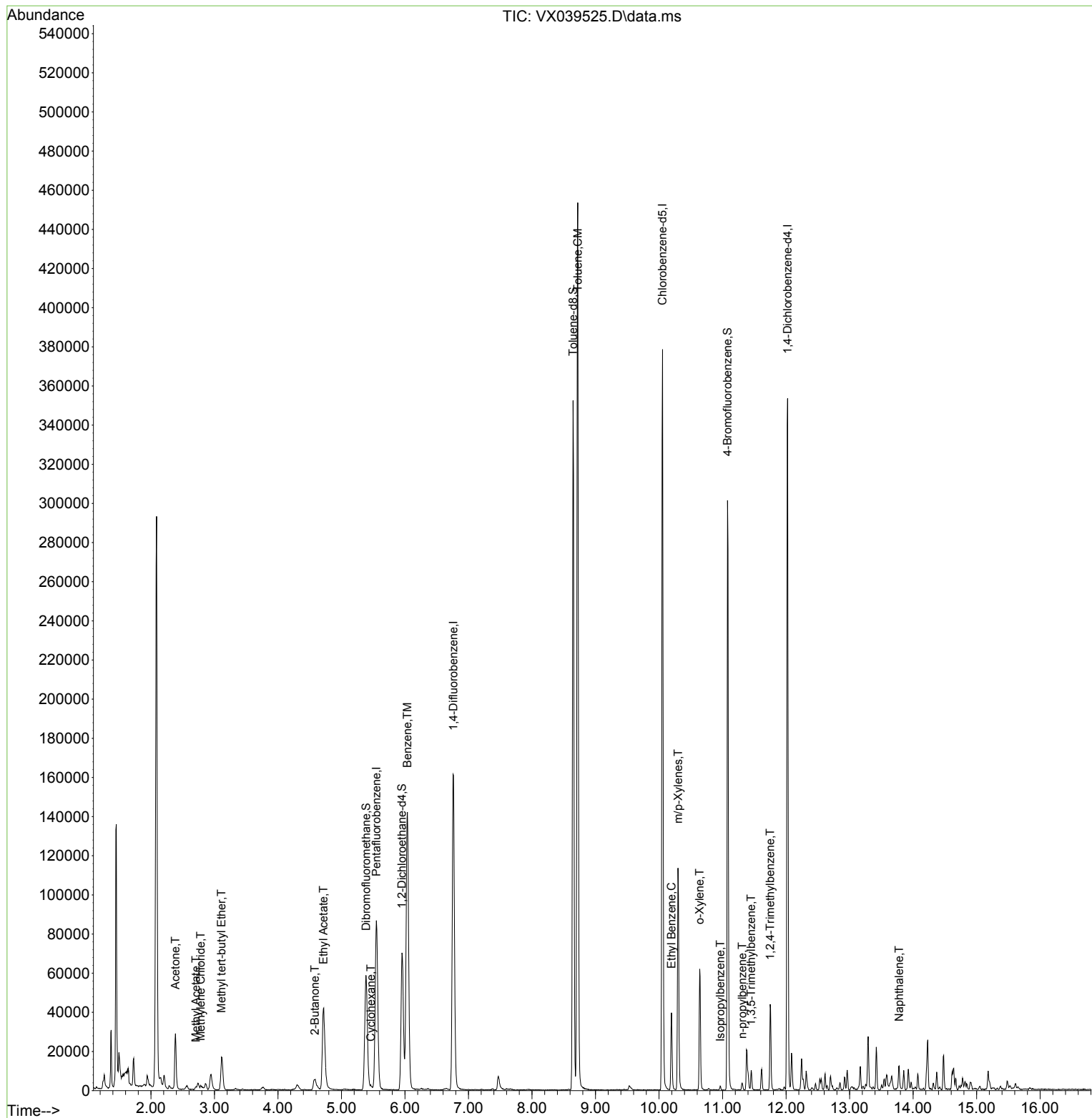
Target Compounds						Qvalue
16) Acetone	2.385	43	28865	13.916	ug/l	91
18) Methyl Acetate	2.708	43	1985	0.665	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	17246	4.920	ug/l	97
20) Methylene Chloride	2.782	84	836	0.726	ug/l #	79
25) 2-Butanone	4.580	43	10931	9.175	ug/l	95
31) Cyclohexane	5.464	56	859	0.482	ug/l #	84
37) Ethyl Acetate	4.714	43	75331	34.942	ug/l	99
40) Benzene	6.037	78	173182	35.084	ug/l	97
52) Toluene	8.720	92	166781	55.979	ug/l	94
67) Ethyl Benzene	10.195	91	22920	3.517	ug/l	95
68) m/p-Xylenes	10.299	106	26651	11.407	ug/l	96
69) o-Xylene	10.640	106	13711	6.069	ug/l	98
73) Isopropylbenzene	10.963	105	1089	0.204	ug/l	98
78) n-propylbenzene	11.311	91	2967	0.451	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	4471	0.984	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	19843	4.257	ug/l	98
95) Naphthalene	13.780	128	7813	1.545	ug/l	98

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

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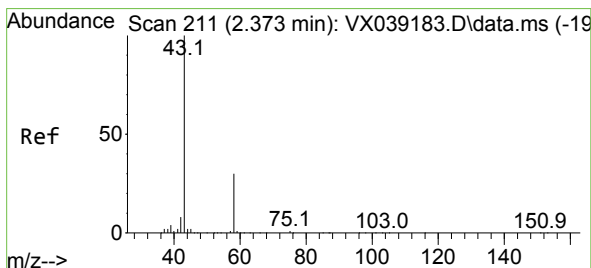
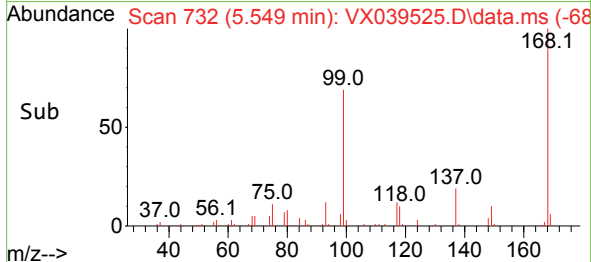
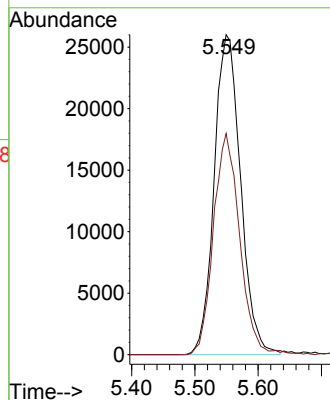
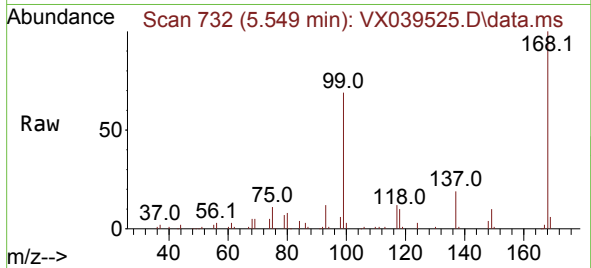




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX039525.D
Acq: 28 Dec 2023 18:35

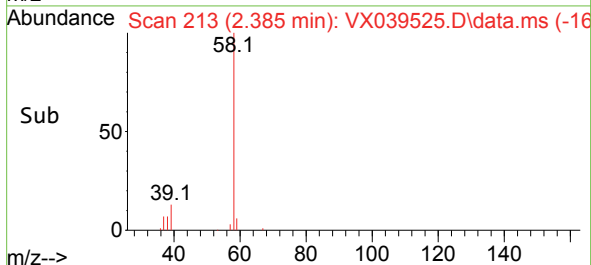
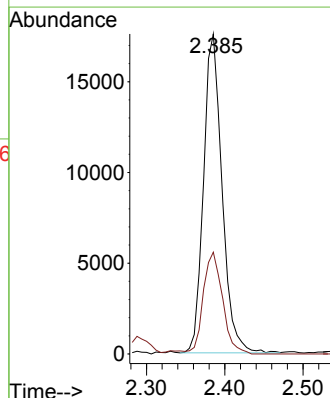
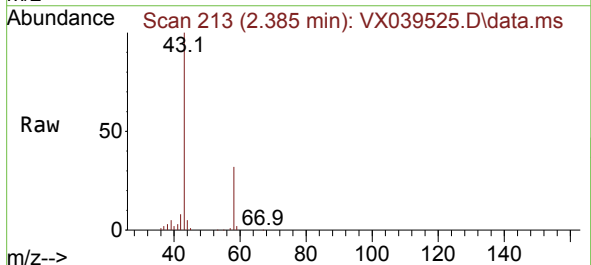
Instrument :
MSVOA_X
ClientSampleId :
50230

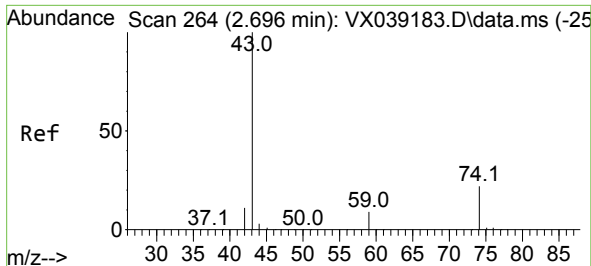
Tgt Ion:168 Resp: 75363
Ion Ratio Lower Upper
168 100
99 69.1 56.6 85.0



#16
Acetone
Concen: 13.916 ug/l
RT: 2.385 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX039525.D
Acq: 28 Dec 2023 18:35

Tgt Ion: 43 Resp: 28865
Ion Ratio Lower Upper
43 100
58 31.9 21.9 32.9

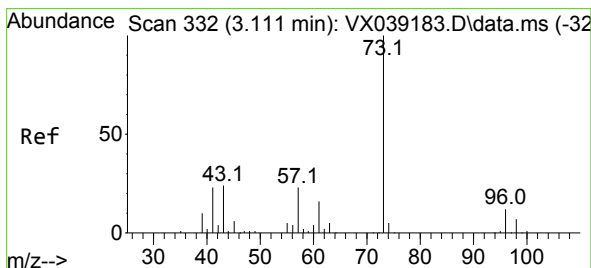
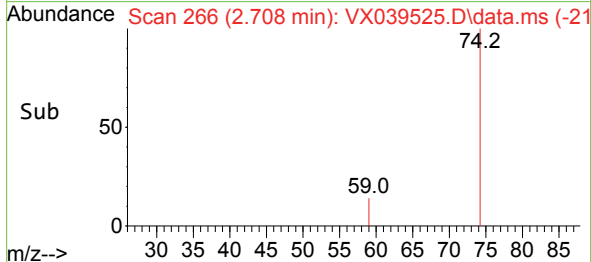
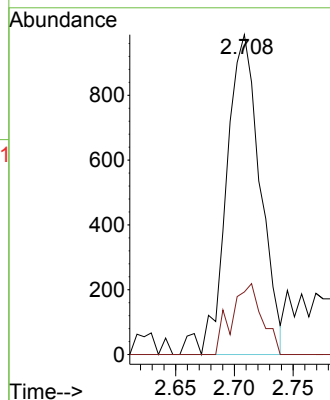
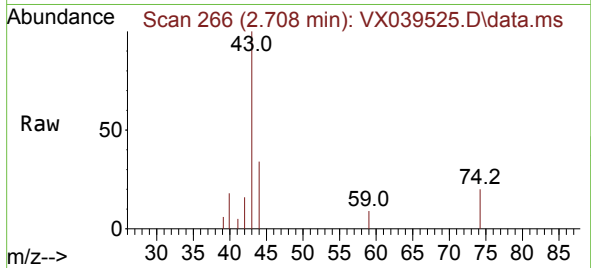




#18
Methyl Acetate
Concen: 0.665 ug/l
RT: 2.708 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX039525.D
Acq: 28 Dec 2023 18:35

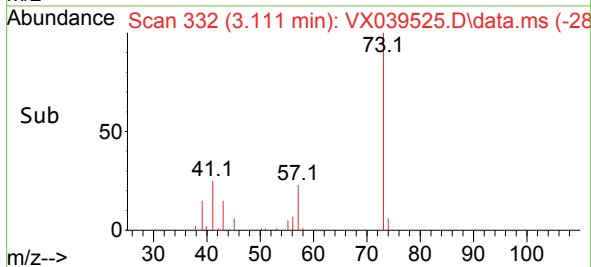
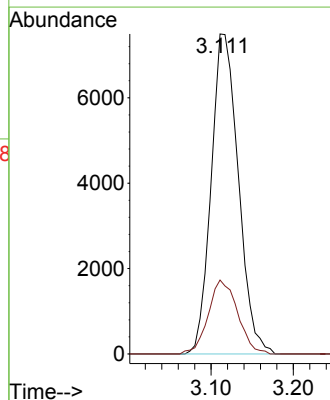
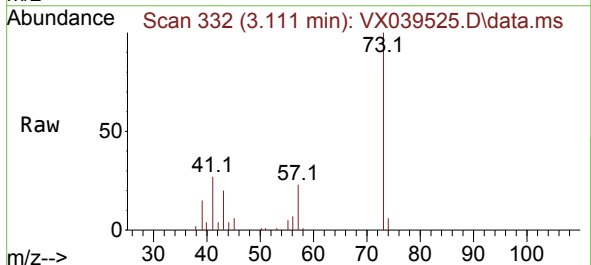
Instrument :
MSVOA_X
ClientSampleId :
50230

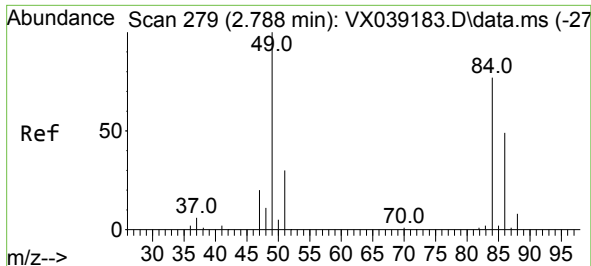
Tgt Ion: 43 Resp: 1985
Ion Ratio Lower Upper
43 100
74 20.0 17.8 26.8



#19
Methyl tert-butyl Ether
Concen: 4.920 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX039525.D
Acq: 28 Dec 2023 18:35

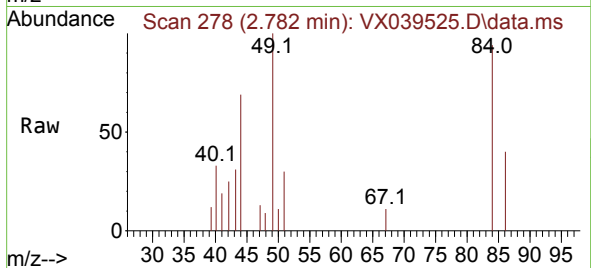
Tgt Ion: 73 Resp: 17246
Ion Ratio Lower Upper
73 100
57 23.1 17.3 25.9



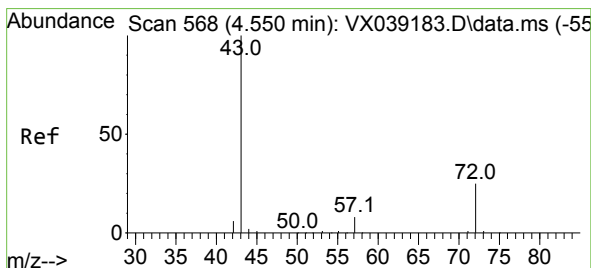
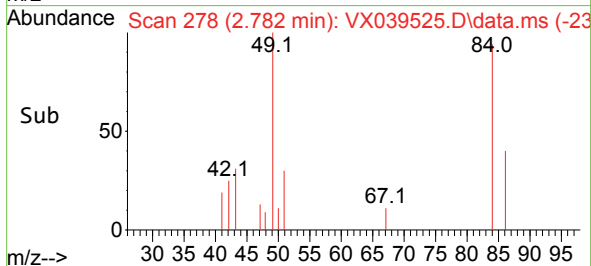
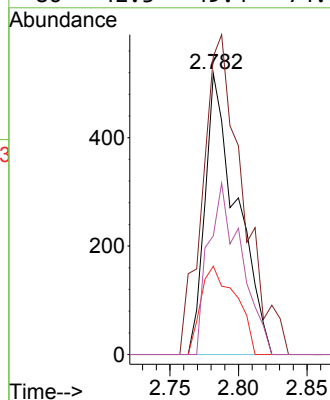


#20
Methylene Chloride
Concen: 0.726 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX039525.D
Acq: 28 Dec 2023 18:35

Instrument :
MSVOA_X
ClientSampleId :
50230

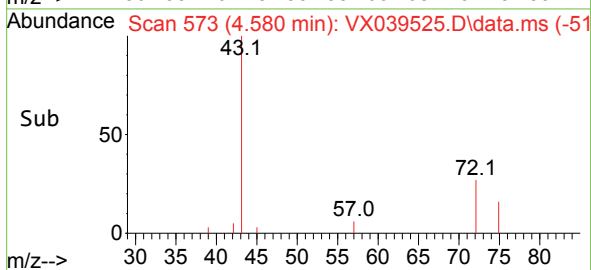
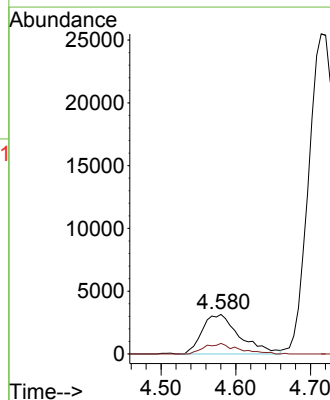
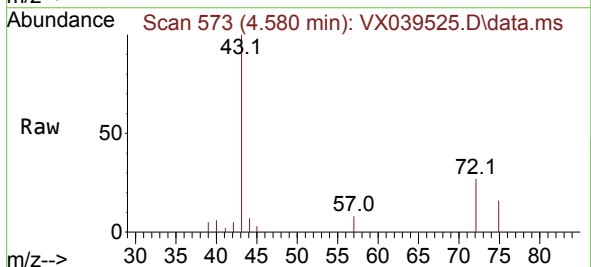


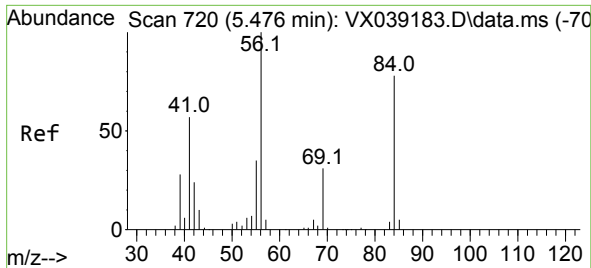
Tgt Ion:	84	Resp:	836
Ion	Ratio	Lower	Upper
84	100		
49	106.2	103.6	155.4
51	31.5	33.8	50.6#
86	42.3	49.4	74.0#



#25
2-Butanone
Concen: 9.175 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.030 min
Lab File: VX039525.D
Acq: 28 Dec 2023 18:35

Tgt Ion:	43	Resp:	10931
Ion	Ratio	Lower	Upper
43	100		
72	26.8	19.4	29.2

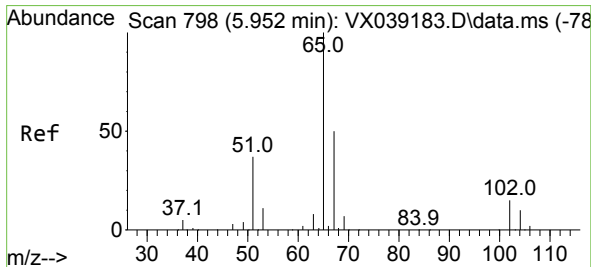
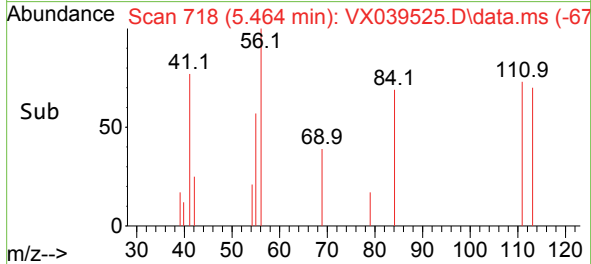
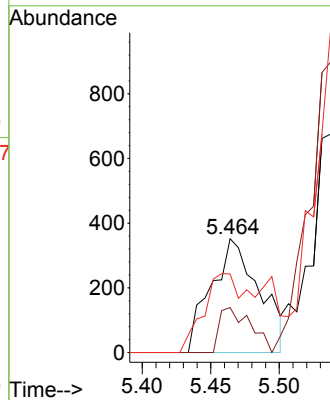
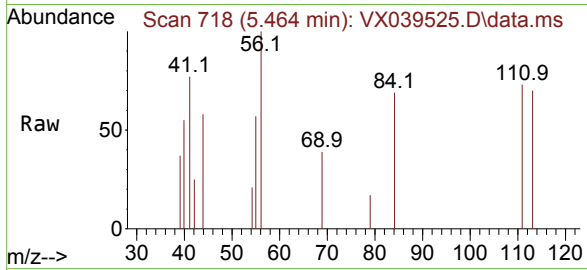




#31
Cyclohexane
Concen: 0.482 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.012 min
Lab File: VX039525.D
Acq: 28 Dec 2023 18:35

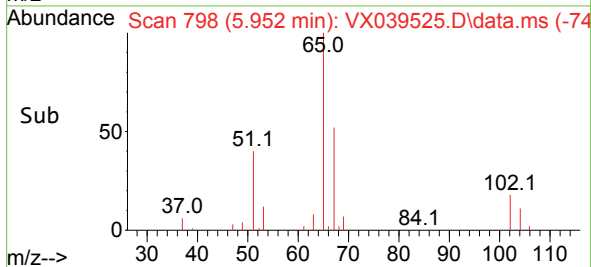
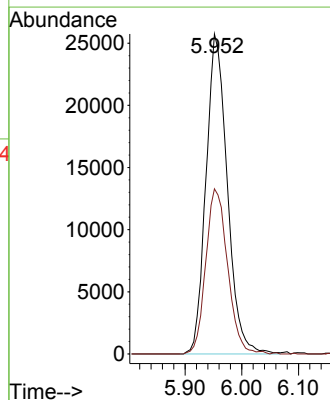
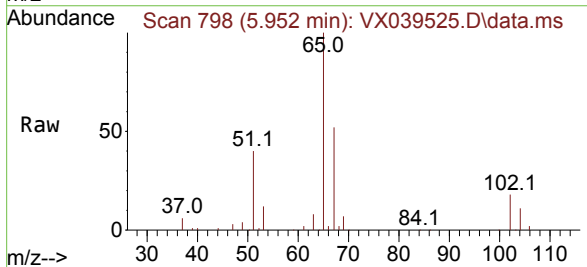
Instrument :
MSVOA_X
ClientSampleId :
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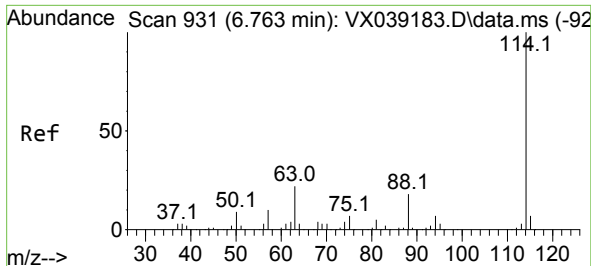
Tgt Ion: 56 Resp: 859
Ion Ratio Lower Upper
56 100
69 39.5 23.4 35.2#
84 69.0 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 48.657 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX039525.D
Acq: 28 Dec 2023 18:35

Tgt Ion: 65 Resp: 67175
Ion Ratio Lower Upper
65 100
67 52.9 0.0 100.2

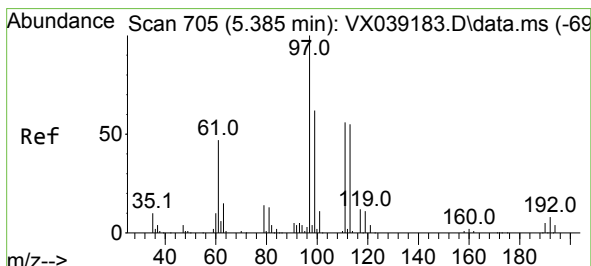
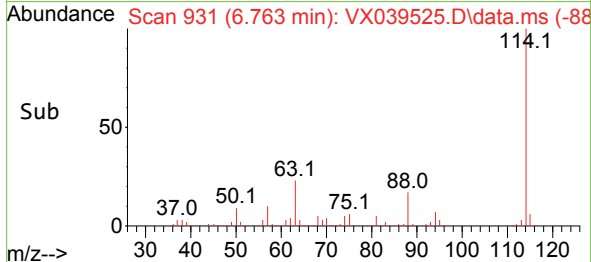
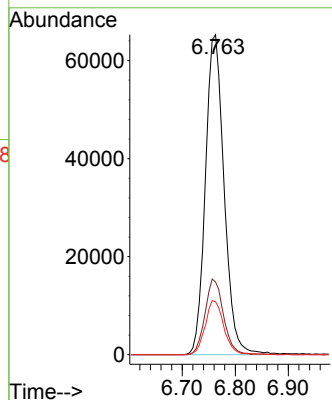
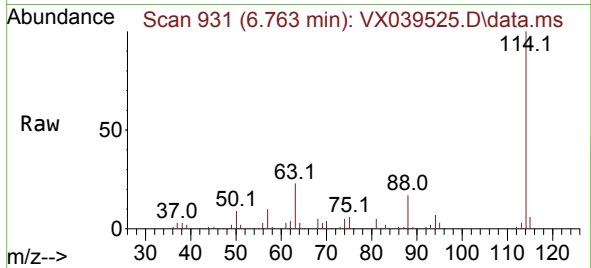




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX039525.D
Acq: 28 Dec 2023 18:35

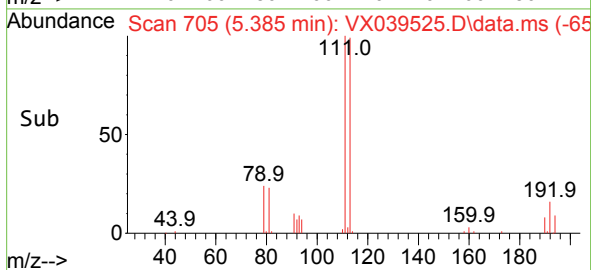
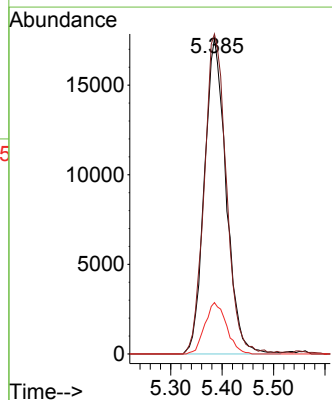
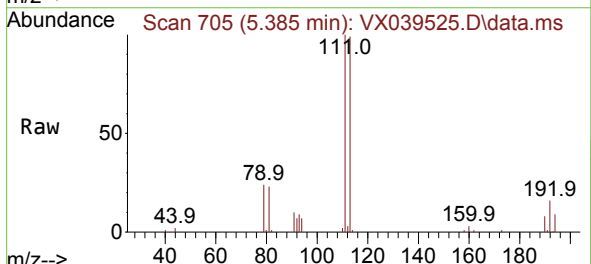
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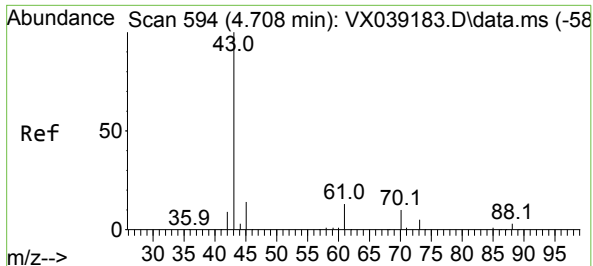
Tgt Ion:114 Resp: 160068
Ion Ratio Lower Upper
114 100
63 22.7 0.0 45.0
88 16.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.750 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX039525.D
Acq: 28 Dec 2023 18:35

Tgt Ion:113 Resp: 51697
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 16.2 13.3 19.9





#37

Ethyl Acetate

Concen: 34.942 ug/l

RT: 4.714 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX039525.D

Acq: 28 Dec 2023 18:35

Instrument :

MSVOA_X

ClientSampleId :

50230

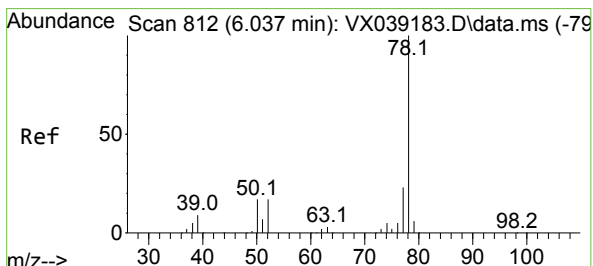
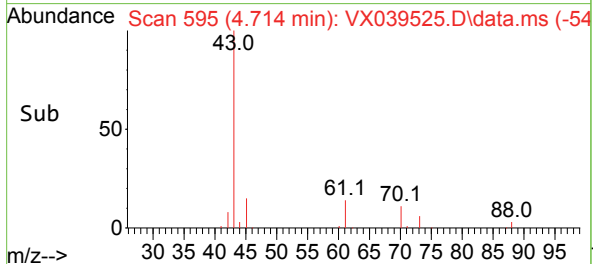
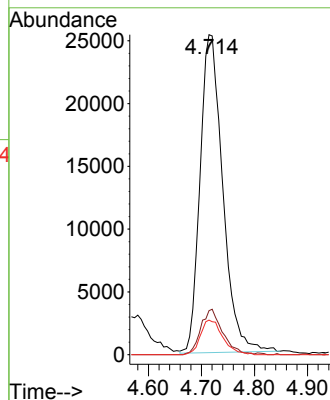
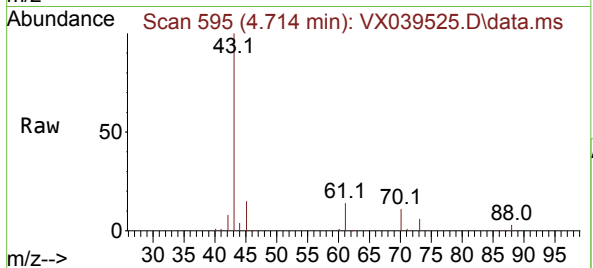
Tgt Ion: 43 Resp: 75331

Ion Ratio Lower Upper

43 100

61 13.7 10.6 16.0

70 10.7 8.3 12.5



#40

Benzene

Concen: 35.084 ug/l

RT: 6.037 min Scan# 812

Delta R.T. -0.000 min

Lab File: VX039525.D

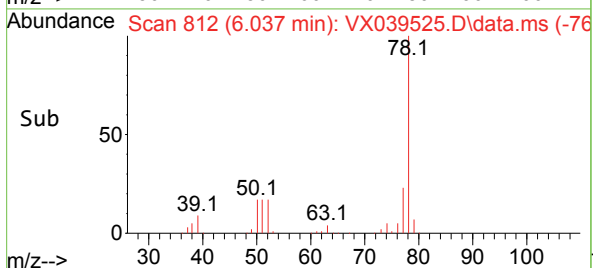
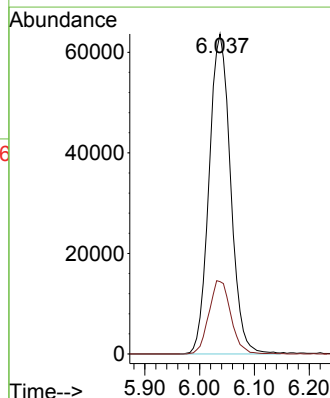
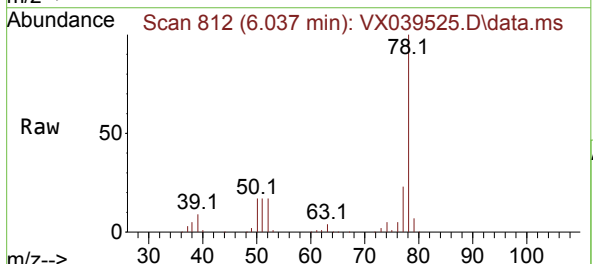
Acq: 28 Dec 2023 18:35

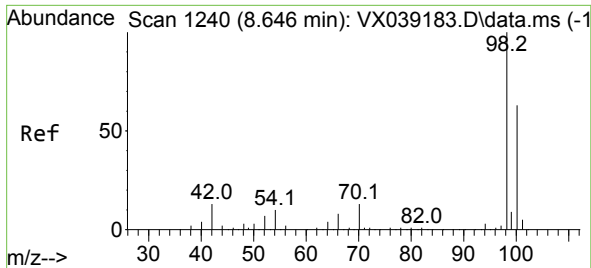
Tgt Ion: 78 Resp: 173182

Ion Ratio Lower Upper

78 100

77 22.6 19.3 28.9

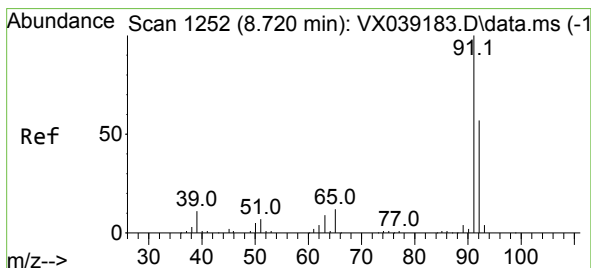
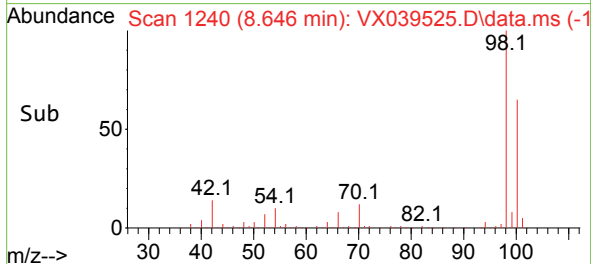
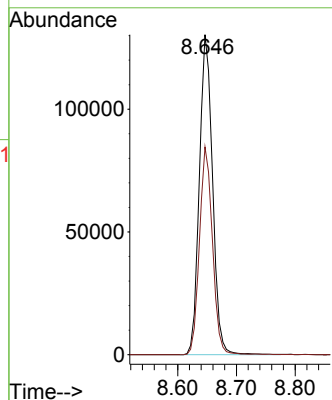
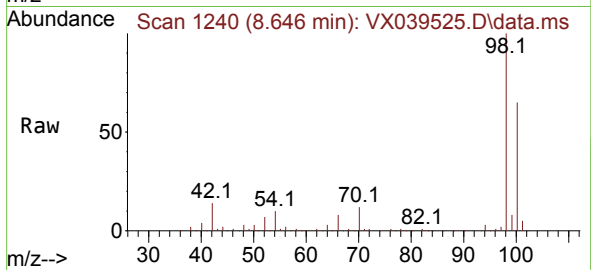




#50
Toluene-d8
Concen: 49.605 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039525.D
Acq: 28 Dec 2023 18:35

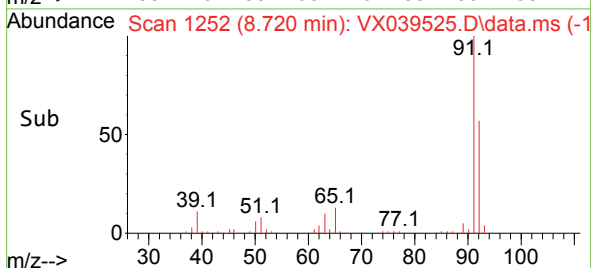
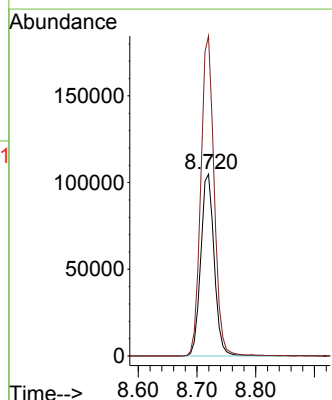
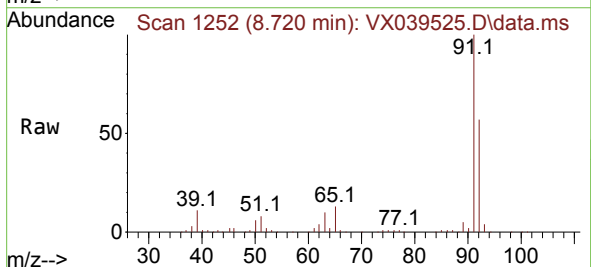
Instrument :
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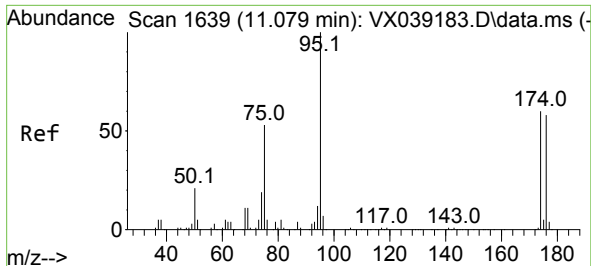
Tgt Ion: 98 Resp: 203649
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7



#52
Toluene
Concen: 55.979 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX039525.D
Acq: 28 Dec 2023 18:35

Tgt Ion: 92 Resp: 166781
Ion Ratio Lower Upper
92 100
91 175.3 134.2 201.2

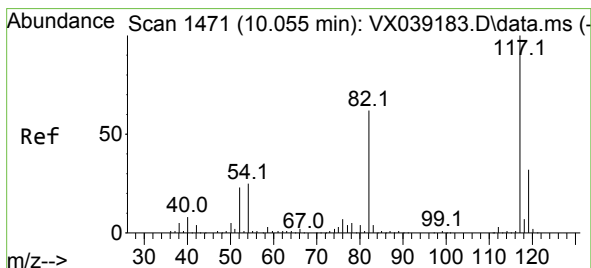
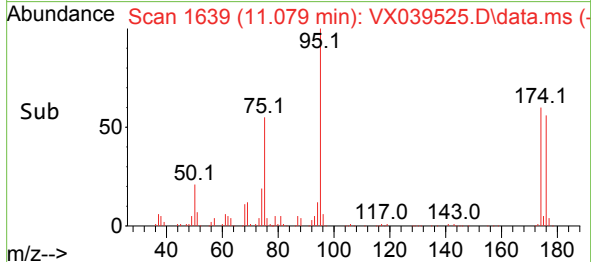
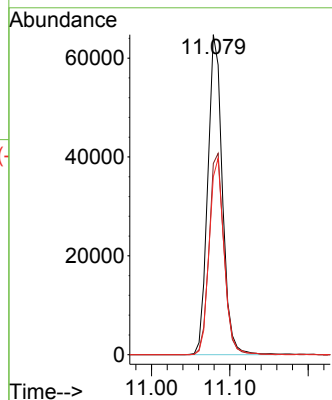
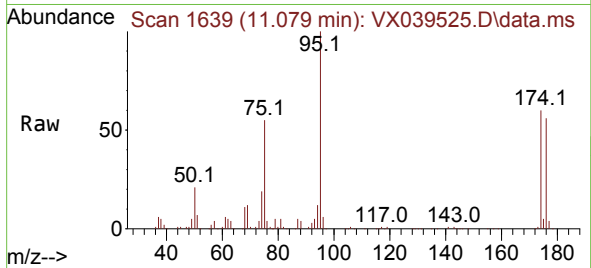




#62
4-Bromofluorobenzene
Concen: 49.434 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039525.D
Acq: 28 Dec 2023 18:35

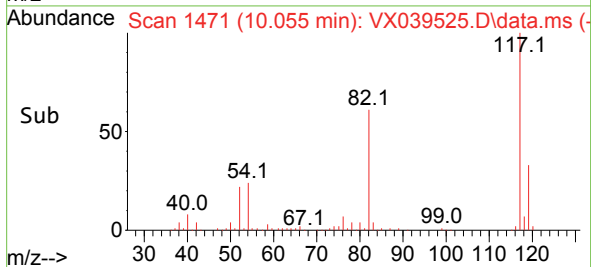
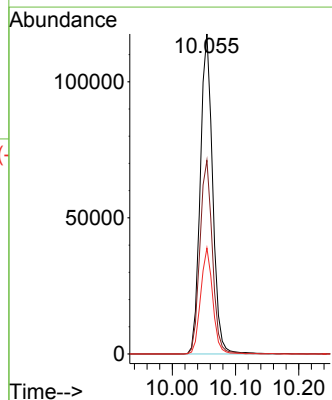
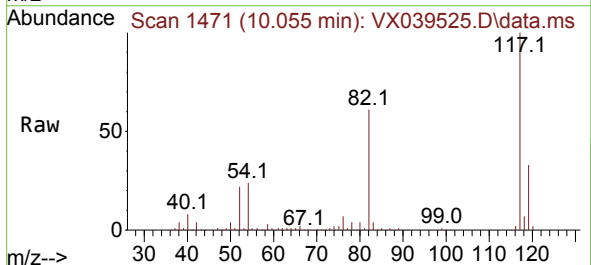
Instrument :
MSVOA_X
ClientSampleId :
50230

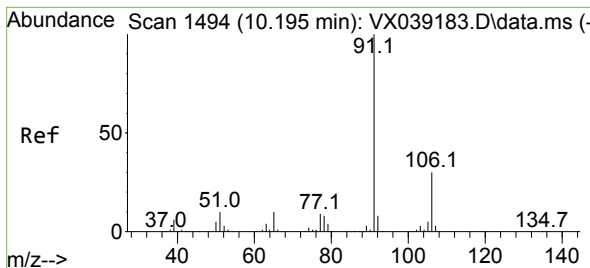
Tgt Ion: 95 Resp: 83735
Ion Ratio Lower Upper
95 100
174 64.1 0.0 135.6
176 62.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX039525.D
Acq: 28 Dec 2023 18:35

Tgt Ion: 117 Resp: 160387
Ion Ratio Lower Upper
117 100
82 60.5 46.2 69.4
119 33.1 25.5 38.3

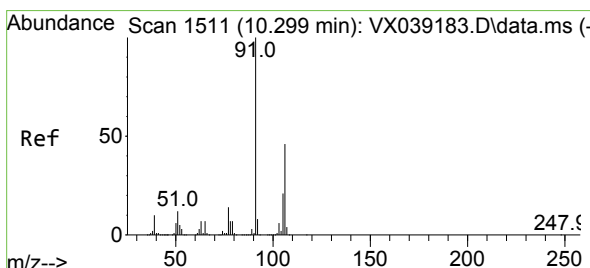
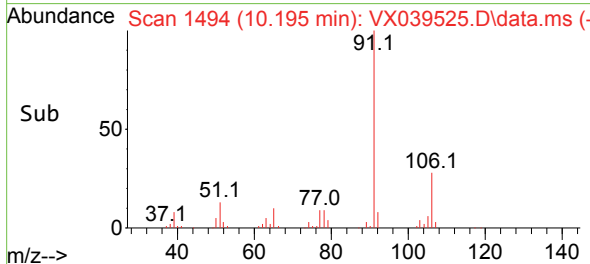
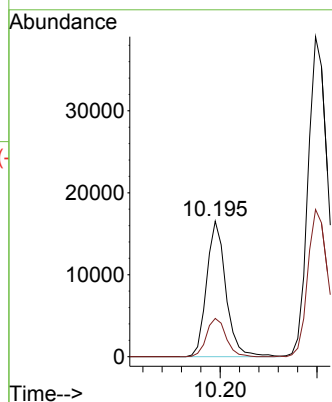
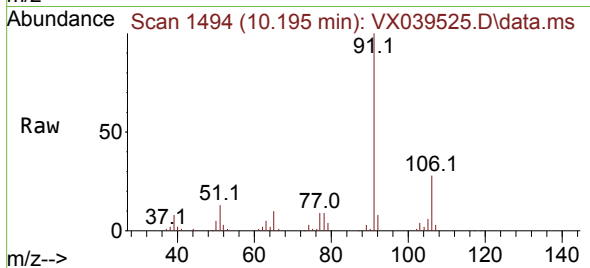




#67
Ethyl Benzene
Concen: 3.517 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX039525.D
Acq: 28 Dec 2023 18:35

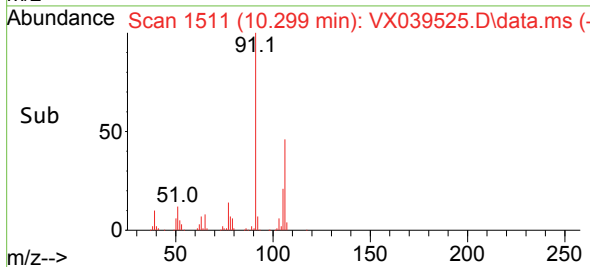
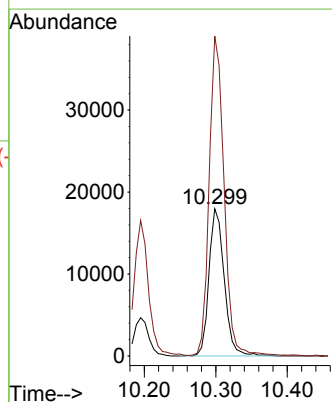
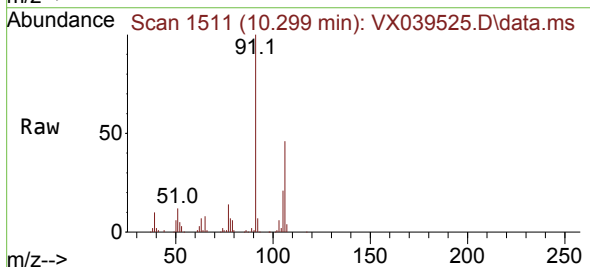
Instrument :
MSVOA_X
ClientSampleId :
50230

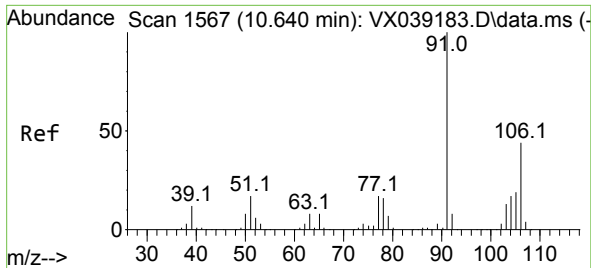
Tgt Ion: 91 Resp: 22920
Ion Ratio Lower Upper
91 100
106 28.2 24.9 37.3



#68
m/p-Xylenes
Concen: 11.407 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX039525.D
Acq: 28 Dec 2023 18:35

Tgt Ion: 106 Resp: 26651
Ion Ratio Lower Upper
106 100
91 212.9 165.5 248.3

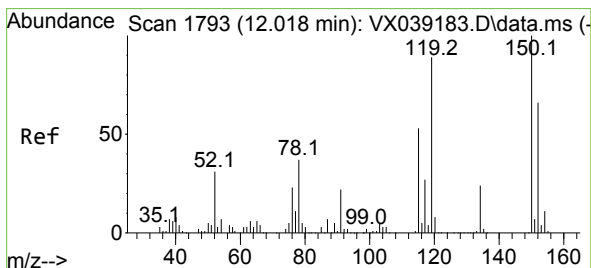
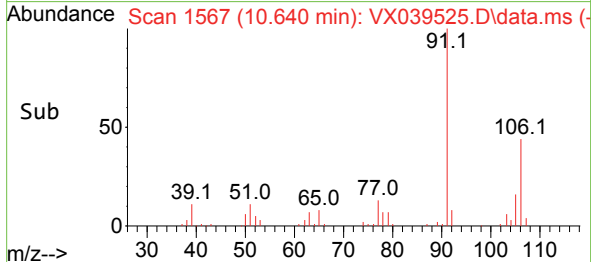
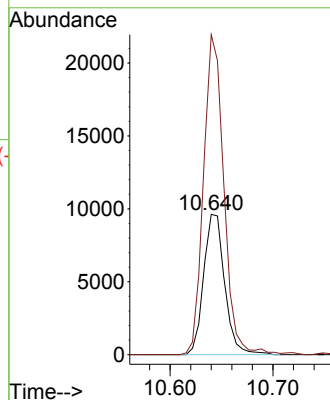
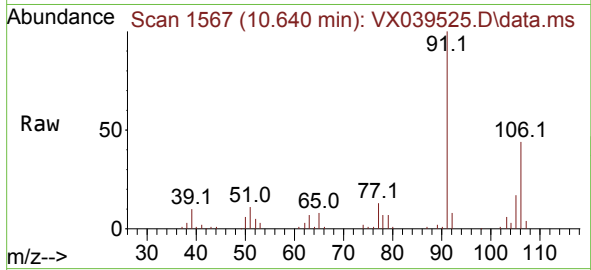




#69
o-Xylene
Concen: 6.069 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039525.D
Acq: 28 Dec 2023 18:35

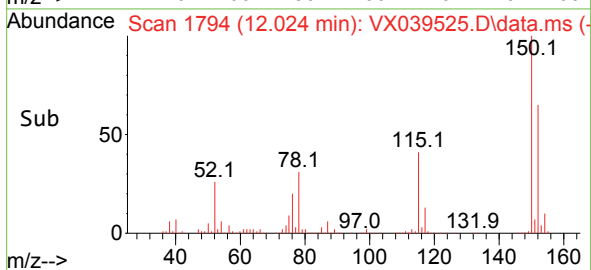
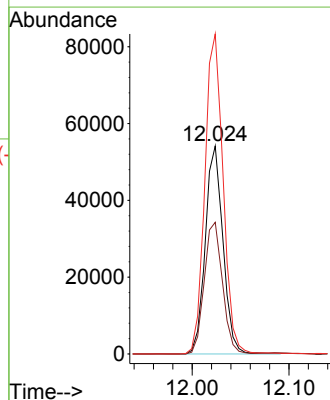
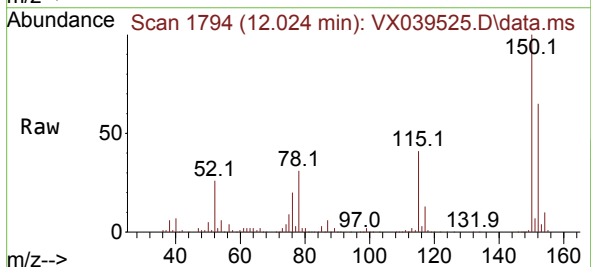
Instrument :
MSVOA_X
ClientSampleId :
50230

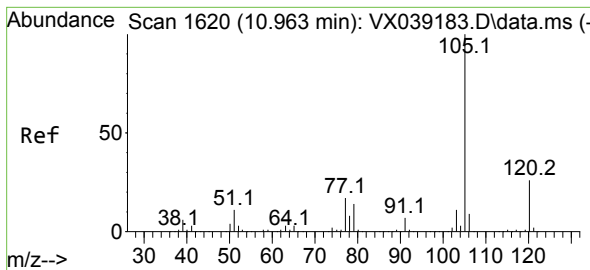
Tgt Ion:106 Resp: 13711
Ion Ratio Lower Upper
106 100
91 221.3 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX039525.D
Acq: 28 Dec 2023 18:35

Tgt Ion:152 Resp: 69159
Ion Ratio Lower Upper
152 100
115 65.1 43.3 129.9
150 158.7 0.0 345.0





#73

Isopropylbenzene

Concen: 0.204 ug/l

RT: 10.963 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX039525.D

Acq: 28 Dec 2023 18:35

Instrument :

MSVOA_X

ClientSampleId :

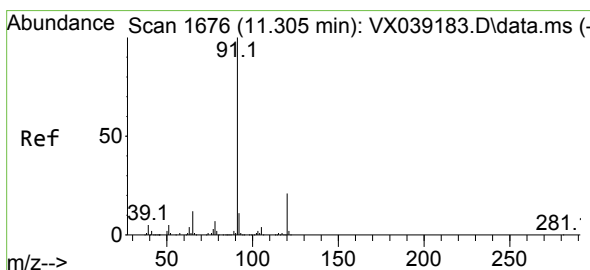
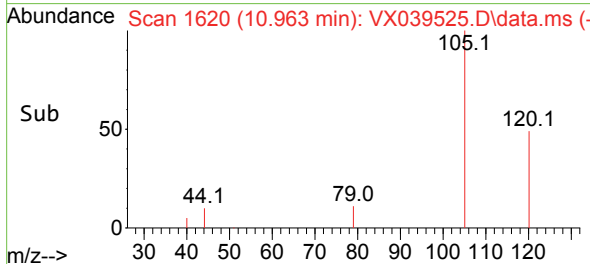
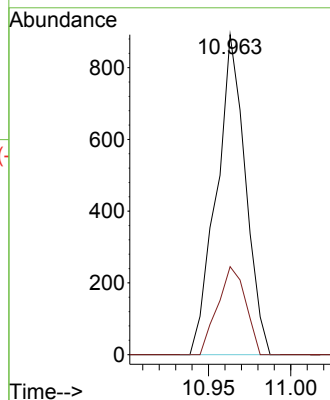
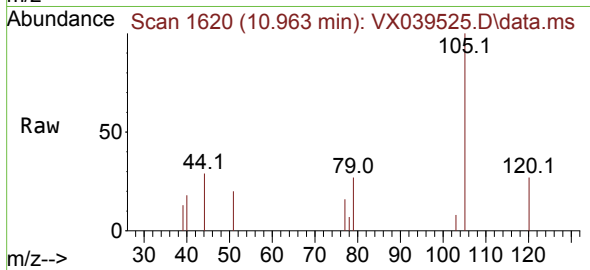
50230

Tgt Ion:105 Resp: 1089

Ion Ratio Lower Upper

105 100

120 26.5 12.9 38.6



#78

n-propylbenzene

Concen: 0.451 ug/l

RT: 11.311 min Scan# 1677

Delta R.T. 0.006 min

Lab File: VX039525.D

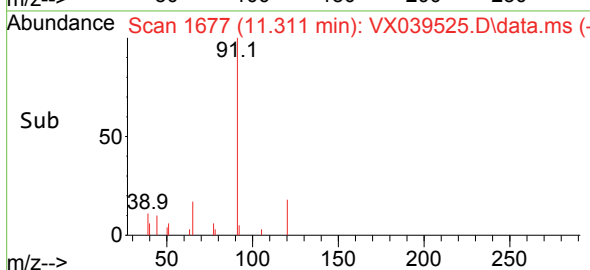
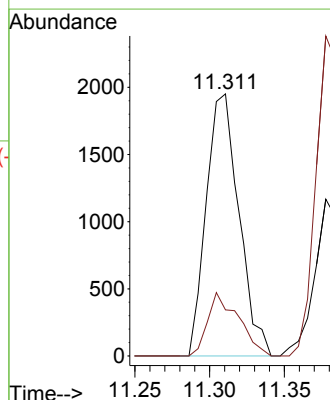
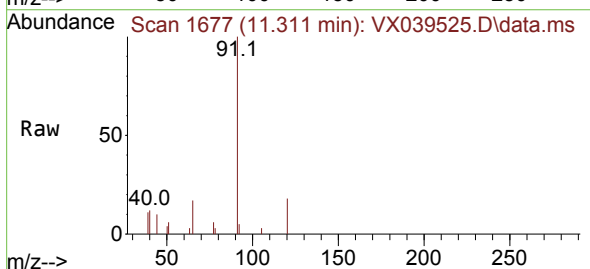
Acq: 28 Dec 2023 18:35

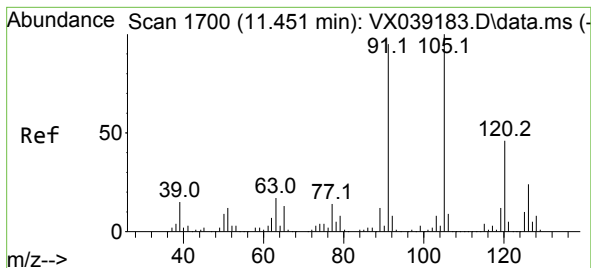
Tgt Ion: 91 Resp: 2967

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 0.984 ug/l

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX039525.D

Acq: 28 Dec 2023 18:35

Instrument :

MSVOA_X

ClientSampleId :

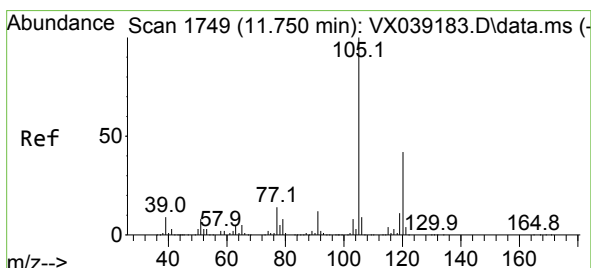
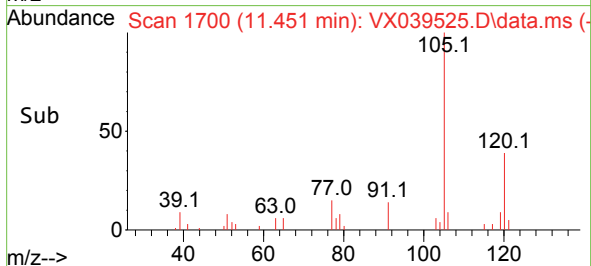
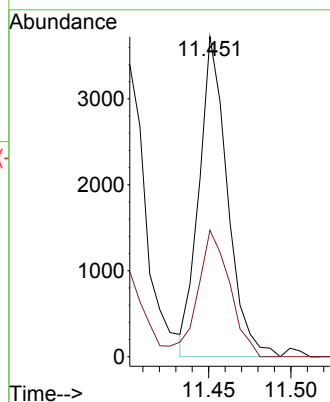
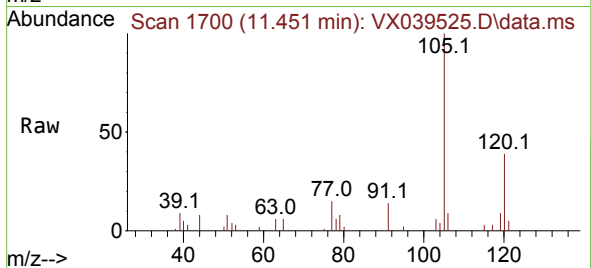
50230

Tgt Ion:105 Resp: 4471

Ion Ratio Lower Upper

105 100

120 44.3 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 4.257 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX039525.D

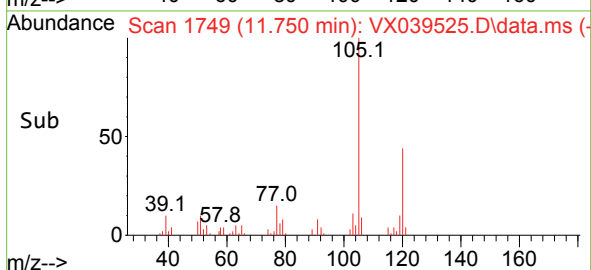
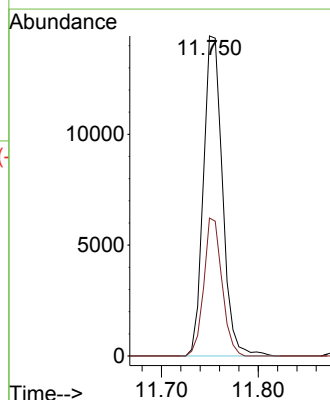
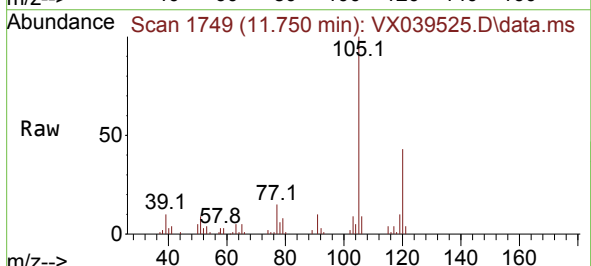
Acq: 28 Dec 2023 18:35

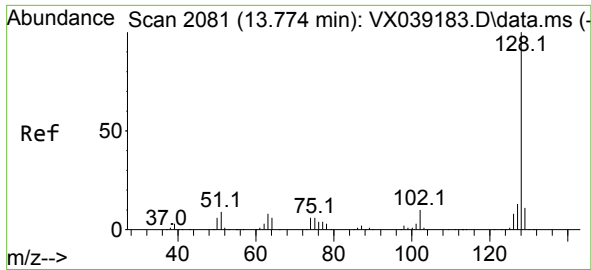
Tgt Ion:105 Resp: 19843

Ion Ratio Lower Upper

105 100

120 41.0 21.2 63.6





#95
Naphthalene
Concen: 1.545 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX039525.D
Acq: 28 Dec 2023 18:35

Instrument :
MSVOA_X
ClientSampleId :
50230

Tgt Ion:	128	Resp:	7813
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	12.4	8.8	13.2

