

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122923\
 Data File : VX039544.D
 Acq On : 29 Dec 2023 14:45
 Operator : JC/MD
 Sample : 06038-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T-402

Quant Time: Dec 30 02:01:18 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)

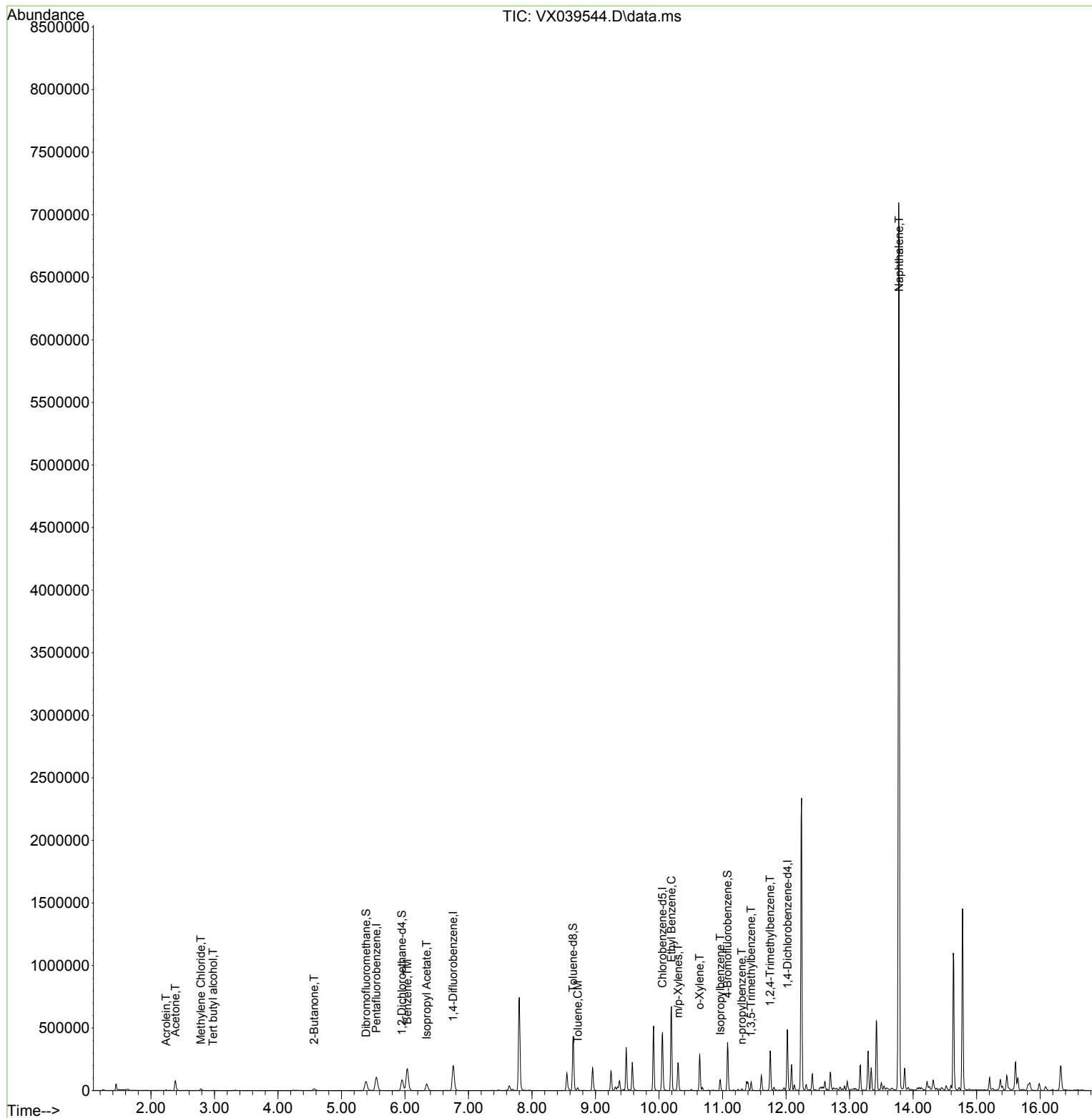
Internal Standards						
1) Pentafluorobenzene	5.550	168	94134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	198461	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83935	48.673	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.340%
35) Dibromofluoromethane	5.385	113	64769	47.240	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.480%
50) Toluene-d8	8.647	98	252822	49.669	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.340%
62) 4-Bromofluorobenzene	11.079	95	103031	49.059	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.120%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	3496	8.073	ug/l #	92
13) Acrolein	2.239	56	3765	10.898	ug/l	90
16) Acetone	2.386	43	84008	66.557	ug/l	92
20) Methylene Chloride	2.788	84	7159	4.980	ug/l	91
25) 2-Butanone	4.568	43	27554	18.516	ug/l	100
40) Benzene	6.037	78	210969	34.471	ug/l	100
43) Isopropyl Acetate	6.342	43	75349	17.335	ug/l	99
52) Toluene	8.720	92	6845	1.853	ug/l	96
67) Ethyl Benzene	10.195	91	392118	48.814	ug/l	99
68) m/p-Xylenes	10.299	106	50878	17.665	ug/l	98
69) o-Xylene	10.640	106	49669	17.836	ug/l	95
73) Isopropylbenzene	10.963	105	44104	6.322	ug/l	98
78) n-propylbenzene	11.305	91	9275	1.079	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	28740	4.836	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	131890	21.640	ug/l	99
95) Naphthalene	13.780	128	4105604	620.844	ug/l	98

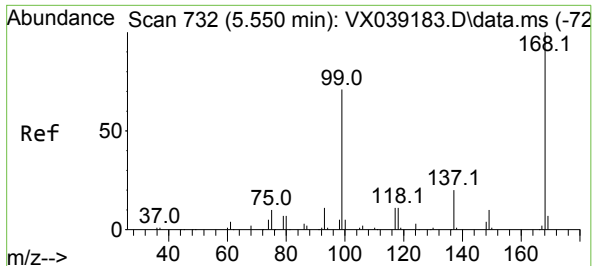
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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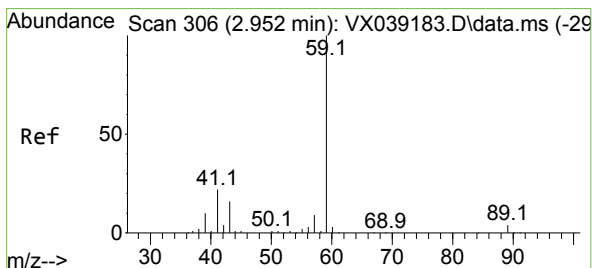
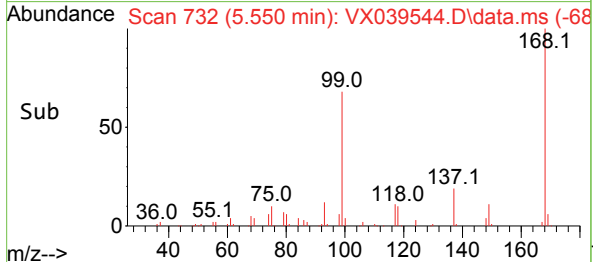
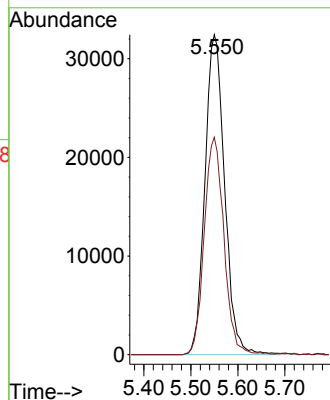
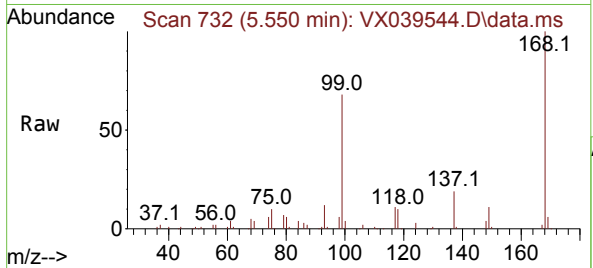




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039544.D
Acq: 29 Dec 2023 14:45

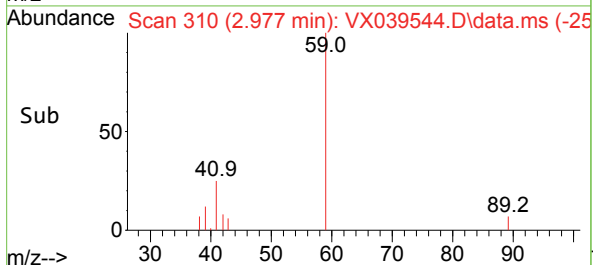
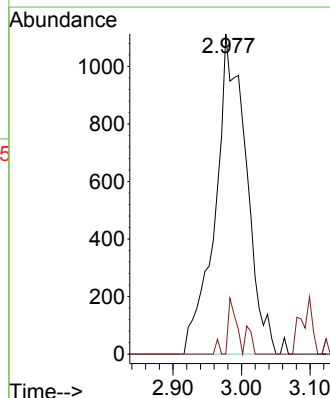
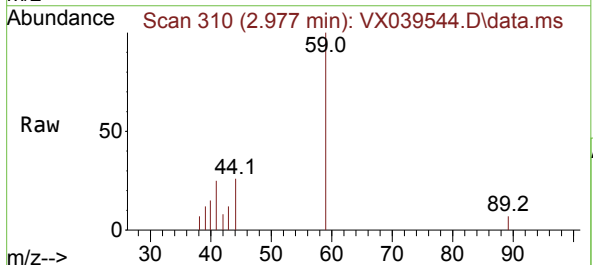
Instrument :
MSVOA_X
ClientSampleId :
T-402

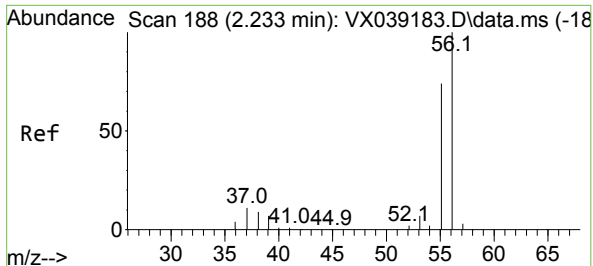
Tgt Ion:168 Resp: 94134
Ion Ratio Lower Upper
168 100
99 67.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 8.073 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.025 min
Lab File: VX039544.D
Acq: 29 Dec 2023 14:45

Tgt Ion: 59 Resp: 3496
Ion Ratio Lower Upper
59 100
57 4.9 6.0 9.0#

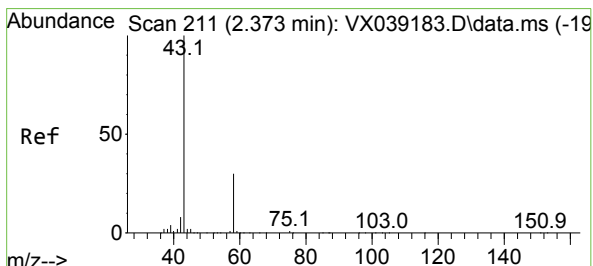
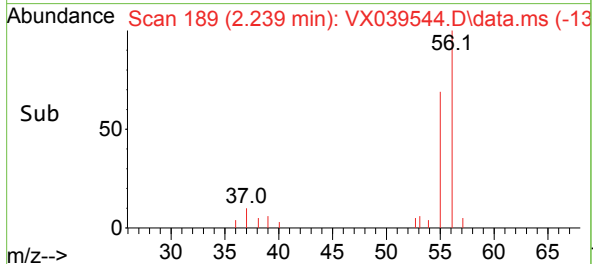
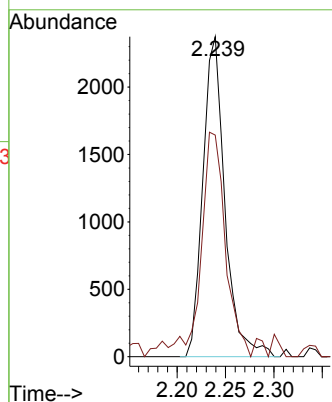
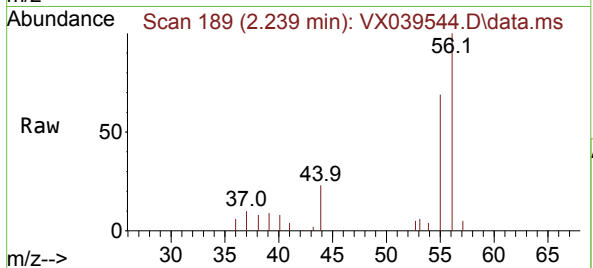




#13
Acrolein
Concen: 10.898 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX039544.D
Acq: 29 Dec 2023 14:45

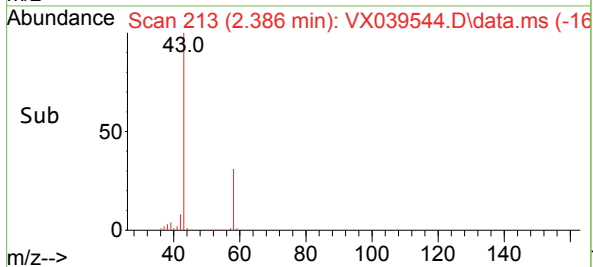
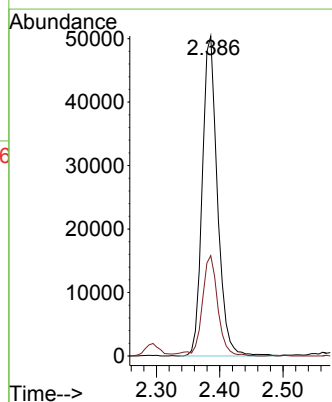
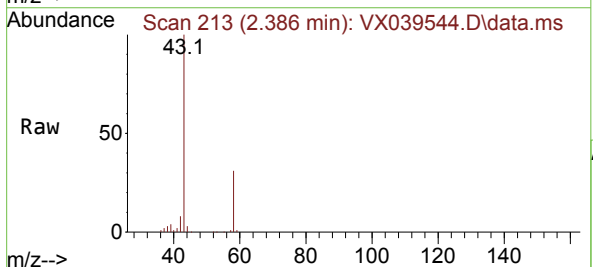
Instrument :
MSVOA_X
ClientSampleId :
T-402

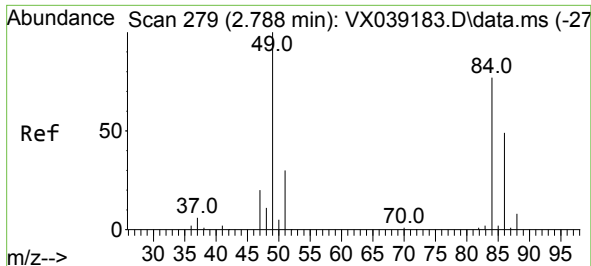
Tgt Ion: 56 Resp: 3765
Ion Ratio Lower Upper
56 100
55 79.5 57.1 85.7



#16
Acetone
Concen: 66.557 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.013 min
Lab File: VX039544.D
Acq: 29 Dec 2023 14:45

Tgt Ion: 43 Resp: 84008
Ion Ratio Lower Upper
43 100
58 31.4 21.9 32.9





#20

Methylene Chloride

Concen: 4.980 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX039544.D

Acq: 29 Dec 2023 14:45

Instrument :

MSVOA_X

ClientSampleId :

T-402

Tgt Ion: 84 Resp: 7159

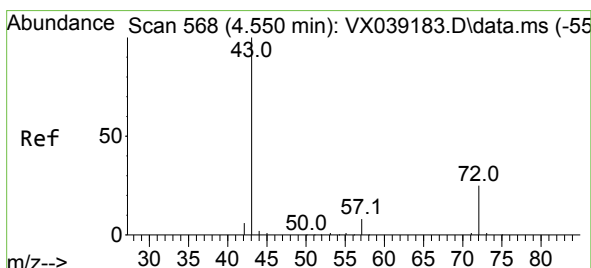
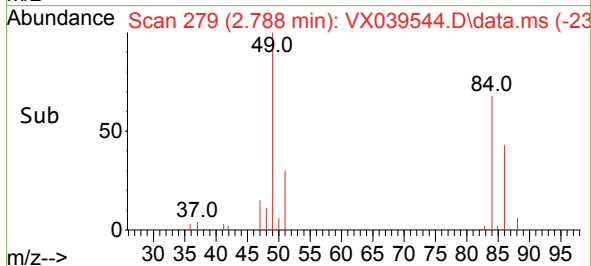
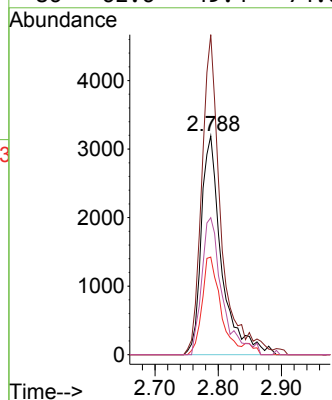
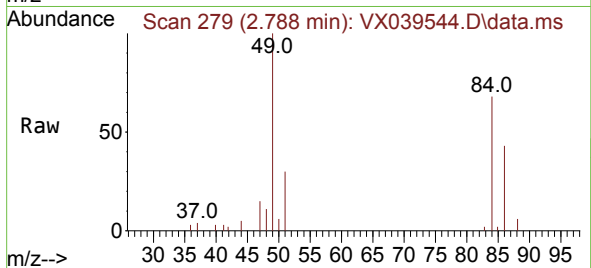
Ion Ratio Lower Upper

84 100

49 146.3 103.6 155.4

51 44.6 33.8 50.6

86 62.6 49.4 74.0



#25

2-Butanone

Concen: 18.516 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.019 min

Lab File: VX039544.D

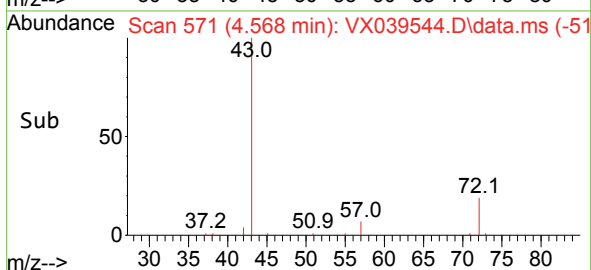
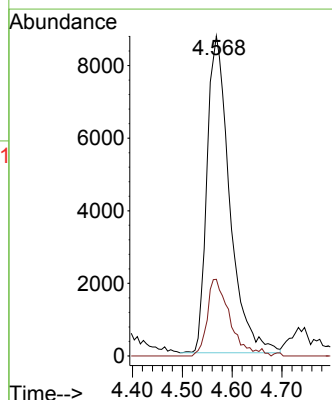
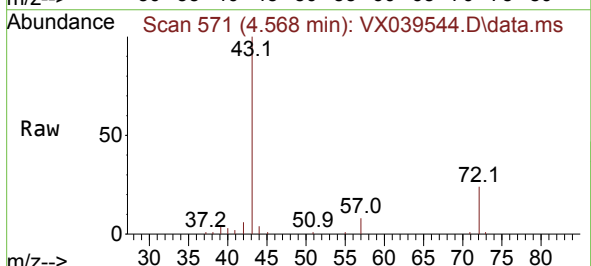
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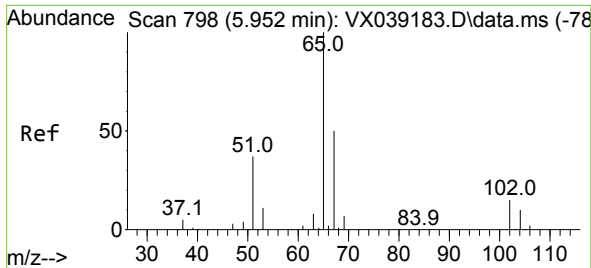
Tgt Ion: 43 Resp: 27554

Ion Ratio Lower Upper

43 100

72 24.2 19.4 29.2

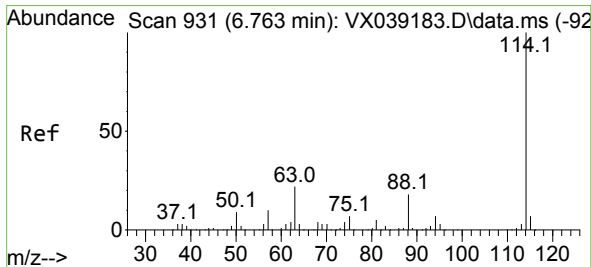
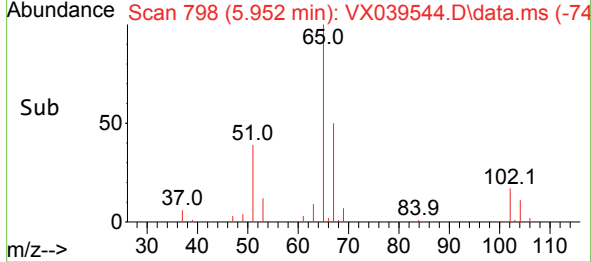
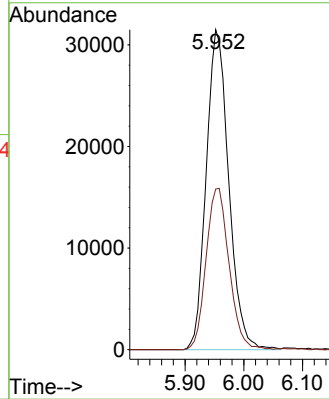
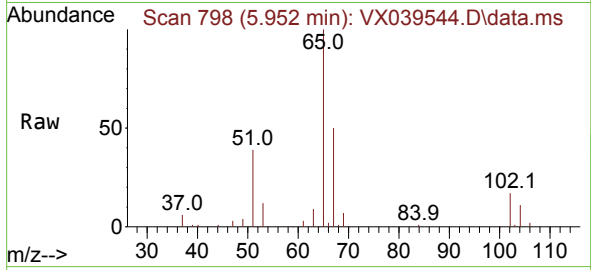




#33
 1,2-Dichloroethane-d4
 Concen: 48.673 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX039544.D
 Acq: 29 Dec 2023 14:45

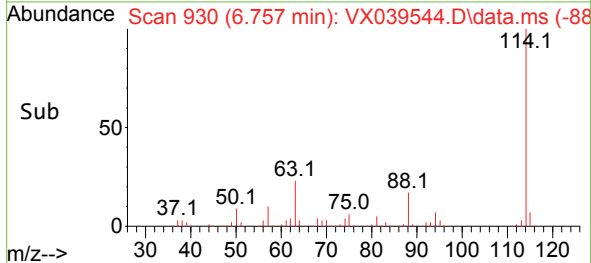
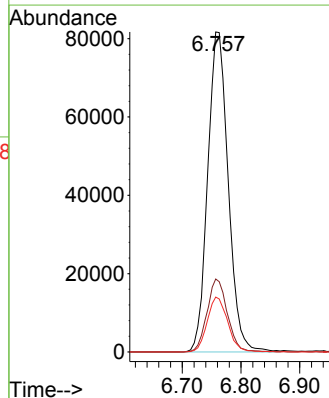
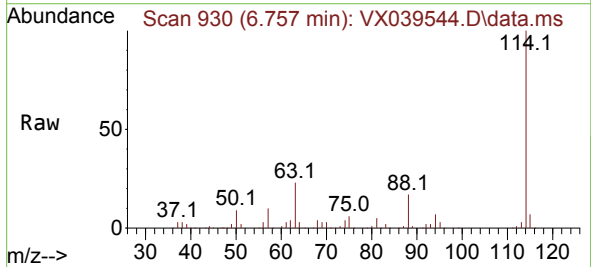
Instrument :
 MSVOA_X
 ClientSampleId :
 T-402

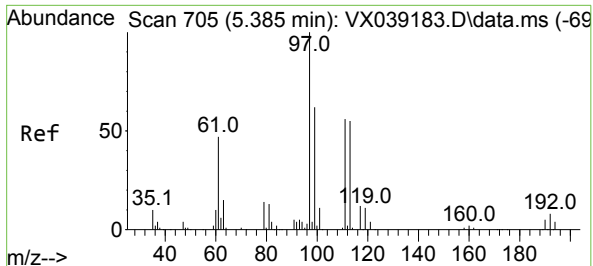
Tgt Ion: 65 Resp: 83935
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX039544.D
 Acq: 29 Dec 2023 14:45

Tgt Ion: 114 Resp: 198461
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.0
 88 17.2 0.0 36.6

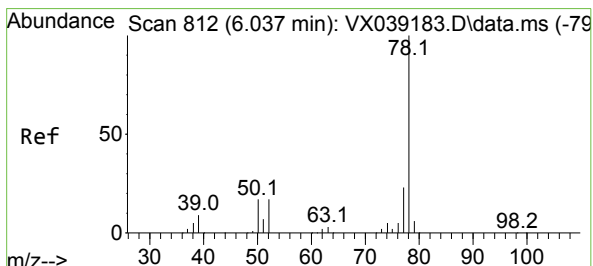
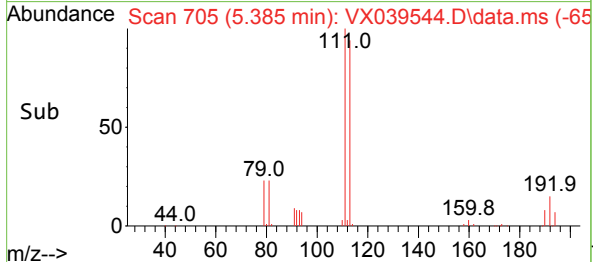
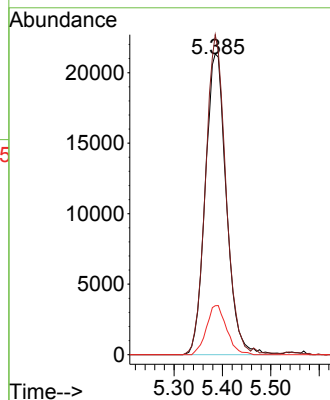
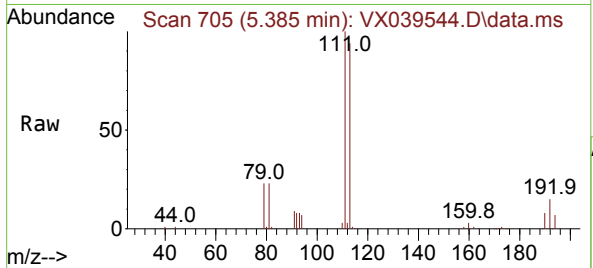




#35
 Dibromofluoromethane
 Concen: 47.240 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: VX039544.D
 Acq: 29 Dec 2023 14:45

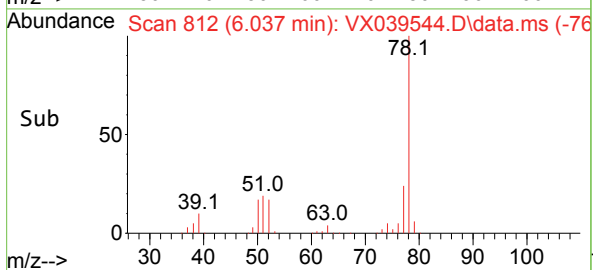
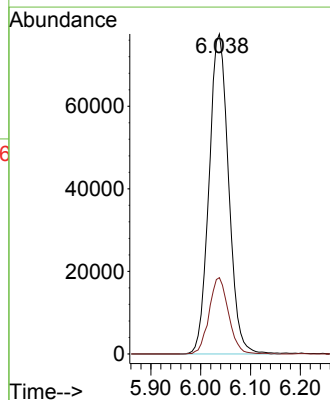
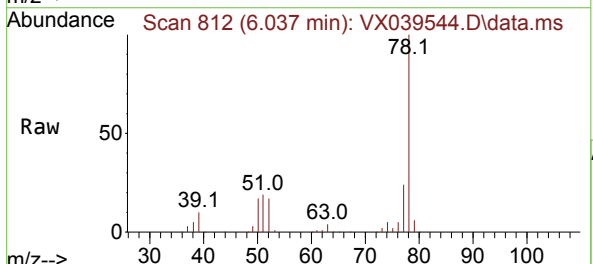
Instrument :
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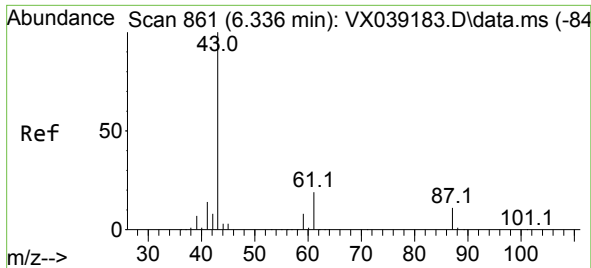
Tgt Ion:113 Resp: 64769
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.9 124.3
 192 15.6 13.3 19.9



#40
 Benzene
 Concen: 34.471 ug/l
 RT: 6.037 min Scan# 812
 Delta R.T. 0.000 min
 Lab File: VX039544.D
 Acq: 29 Dec 2023 14:45

Tgt Ion: 78 Resp: 210969
 Ion Ratio Lower Upper
 78 100
 77 23.9 19.3 28.9

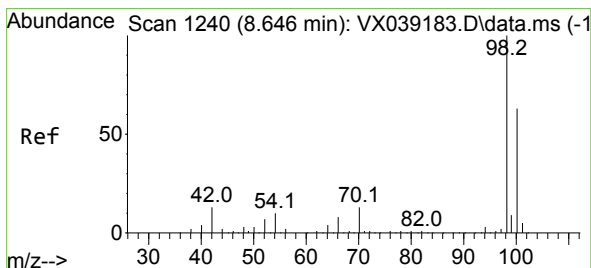
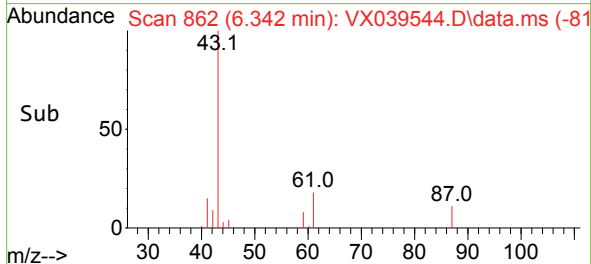
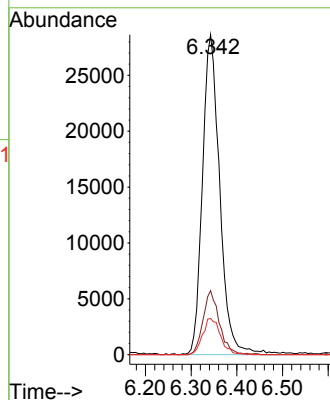
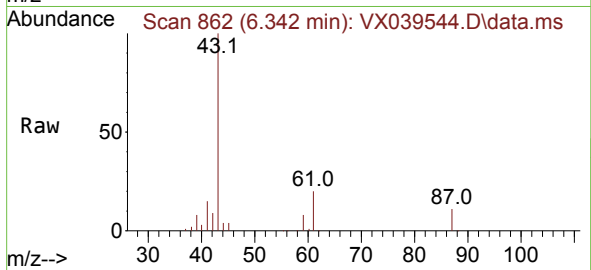




#43
Isopropyl Acetate
Concen: 17.335 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX039544.D
Acq: 29 Dec 2023 14:45

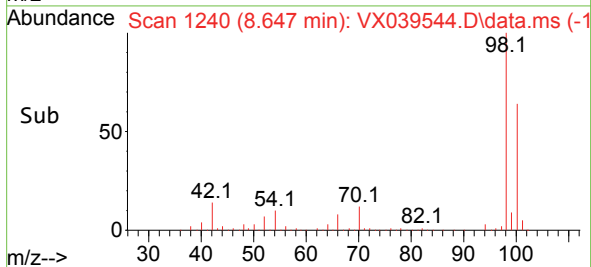
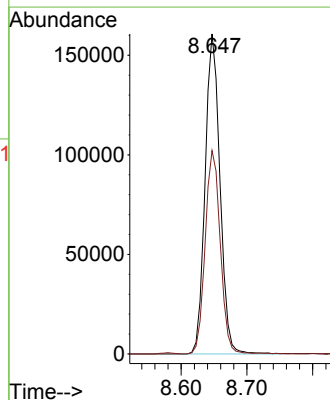
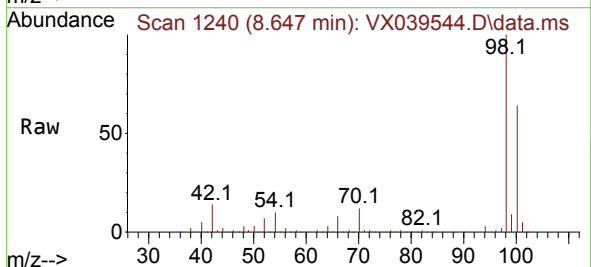
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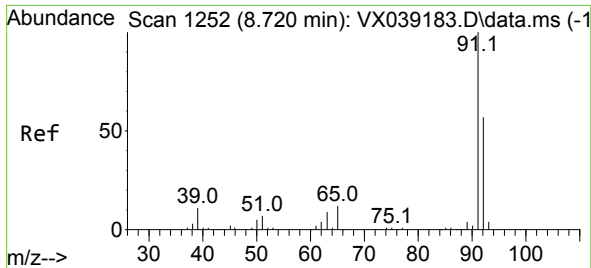
Tgt Ion: 43 Resp: 75349
Ion Ratio Lower Upper
43 100
61 18.9 15.2 22.8
87 11.7 9.8 14.6



#50
Toluene-d8
Concen: 49.669 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039544.D
Acq: 29 Dec 2023 14:45

Tgt Ion: 98 Resp: 252822
Ion Ratio Lower Upper
98 100
100 64.4 53.1 79.7

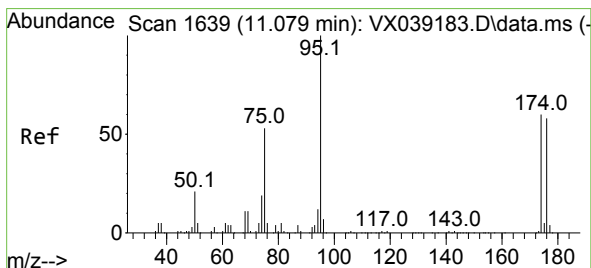
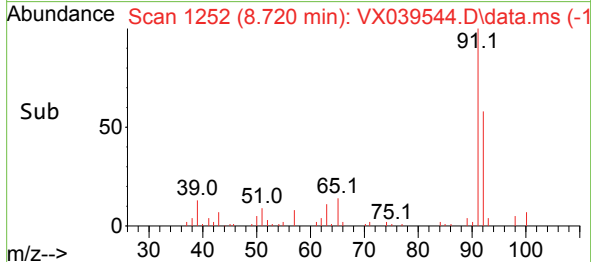
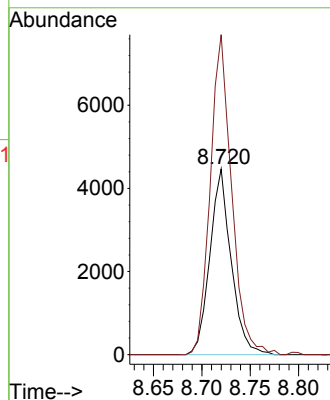
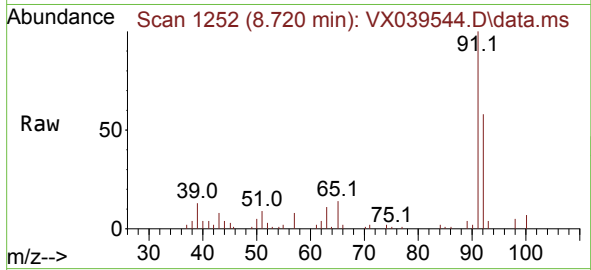




#52
Toluene
Concen: 1.853 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039544.D
Acq: 29 Dec 2023 14:45

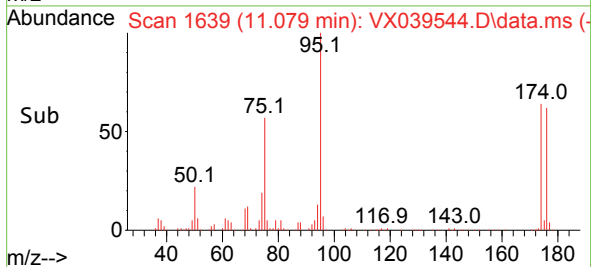
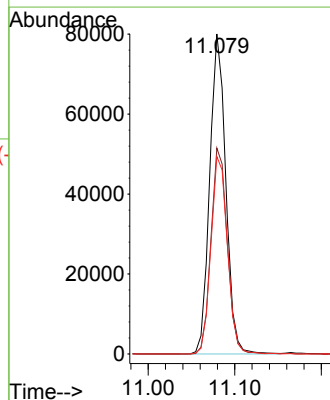
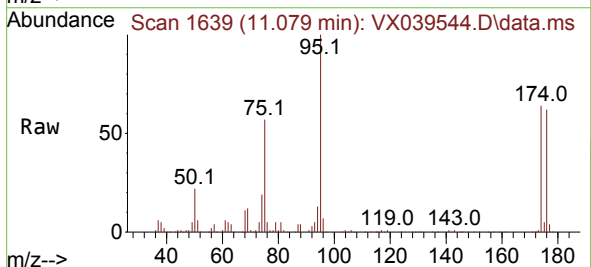
Instrument :
MSVOA_X
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T-402

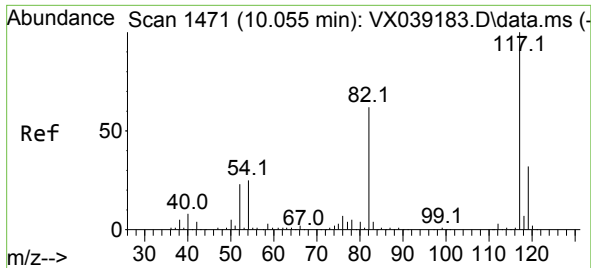
Tgt Ion: 92 Resp: 6845
Ion Ratio Lower Upper
92 100
91 173.1 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 49.059 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039544.D
Acq: 29 Dec 2023 14:45

Tgt Ion: 95 Resp: 103031
Ion Ratio Lower Upper
95 100
174 65.5 0.0 135.6
176 63.3 0.0 131.0

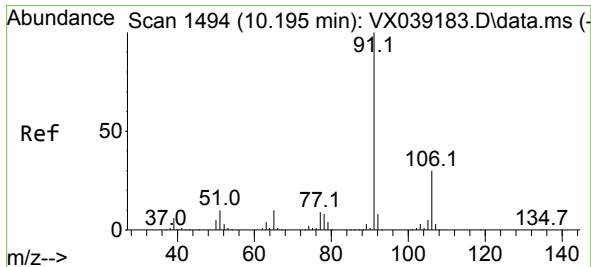
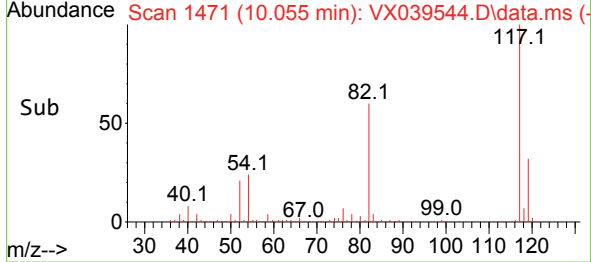
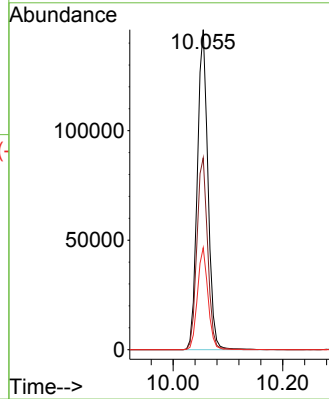
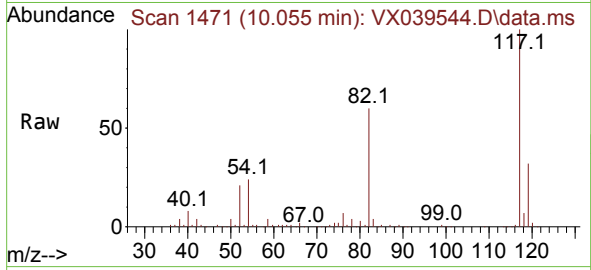




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039544.D
Acq: 29 Dec 2023 14:45

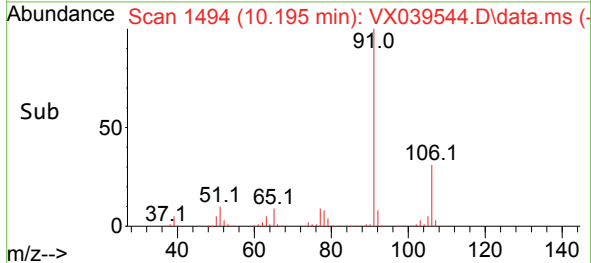
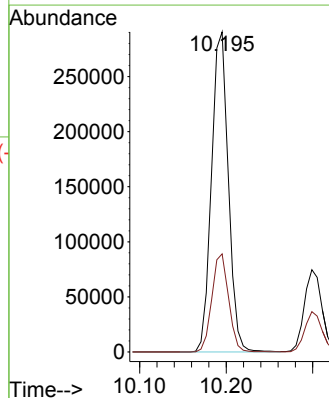
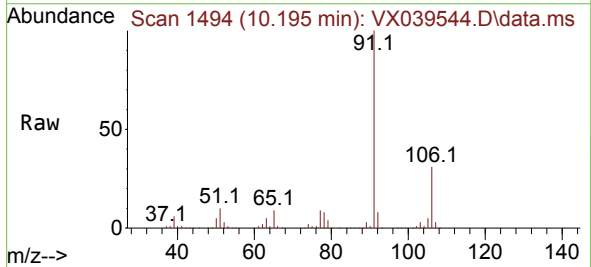
Instrument :
MSVOA_X
ClientSampleId :
T-402

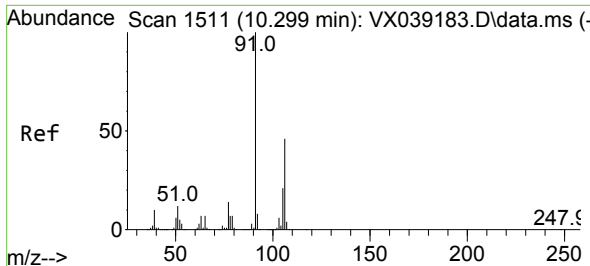
Tgt Ion:117 Resp: 197712
Ion Ratio Lower Upper
117 100
82 59.9 46.2 69.4
119 31.9 25.5 38.3



#67
Ethyl Benzene
Concen: 48.814 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX039544.D
Acq: 29 Dec 2023 14:45

Tgt Ion: 91 Resp: 392118
Ion Ratio Lower Upper
91 100
106 30.6 24.9 37.3

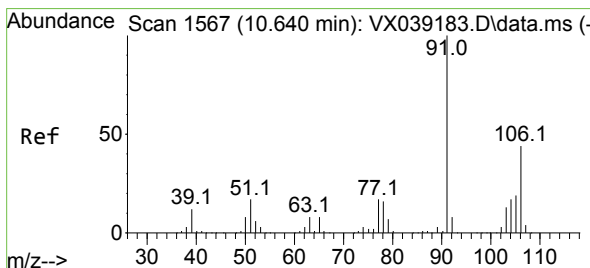
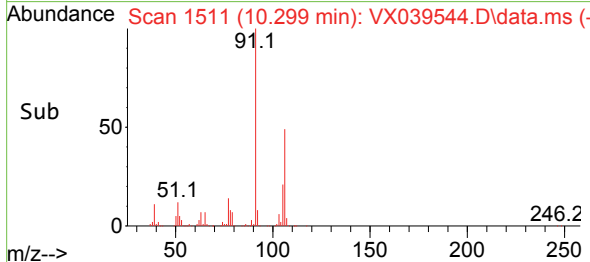
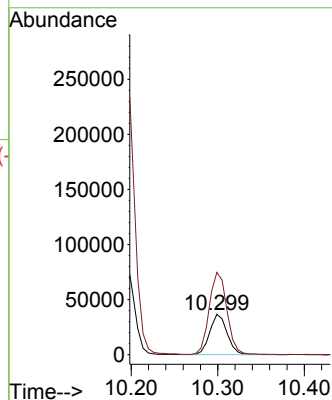
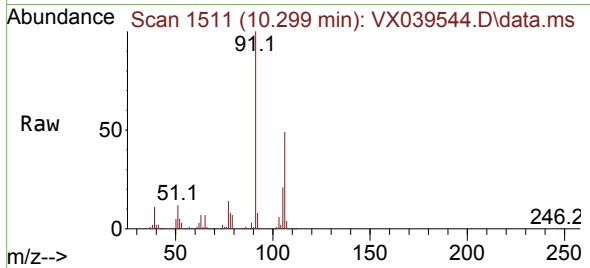




#68
m/p-Xylenes
Concen: 17.665 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX039544.D
Acq: 29 Dec 2023 14:45

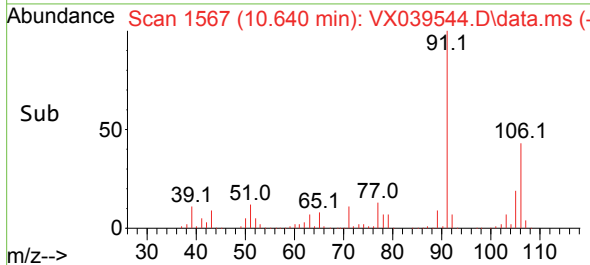
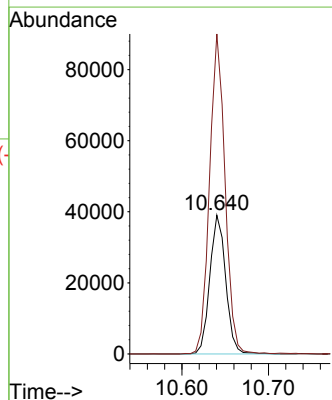
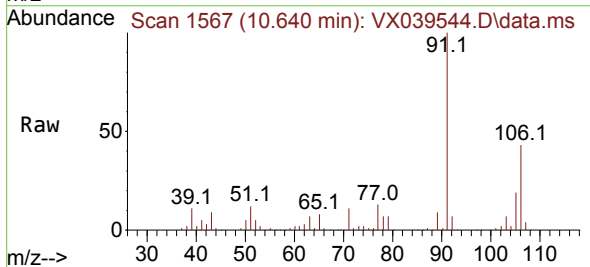
Instrument :
MSVOA_X
ClientSampleId :
T-402

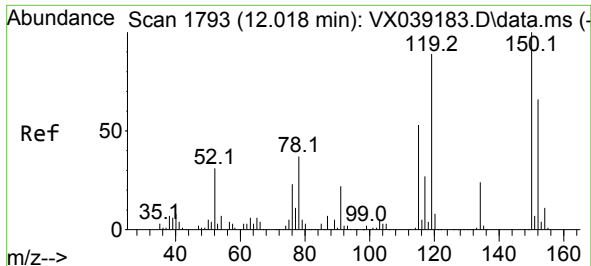
Tgt Ion:106 Resp: 50878
Ion Ratio Lower Upper
106 100
91 209.4 165.5 248.3



#69
o-Xylene
Concen: 17.836 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX039544.D
Acq: 29 Dec 2023 14:45

Tgt Ion:106 Resp: 49669
Ion Ratio Lower Upper
106 100
91 225.2 108.9 326.8

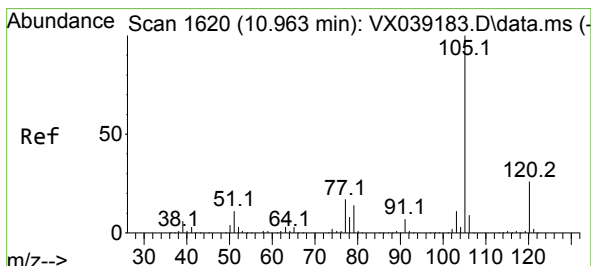
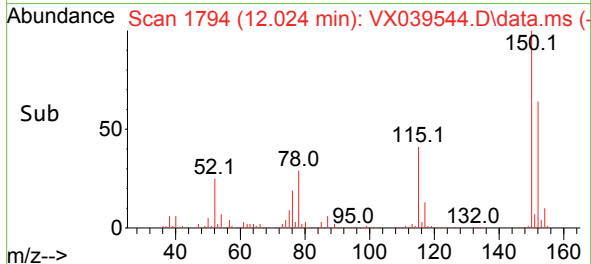
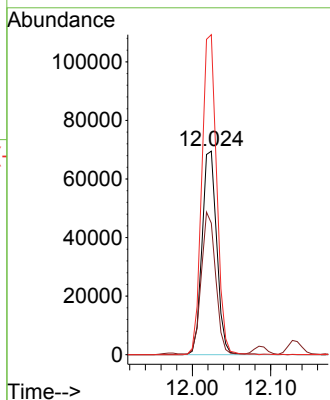
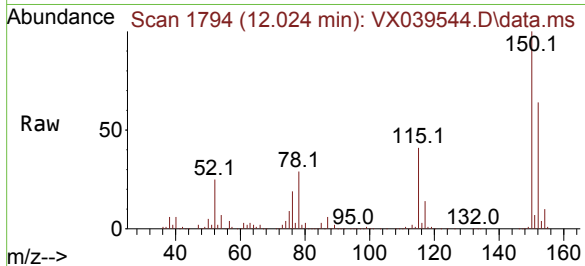




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX039544.D
 Acq: 29 Dec 2023 14:45

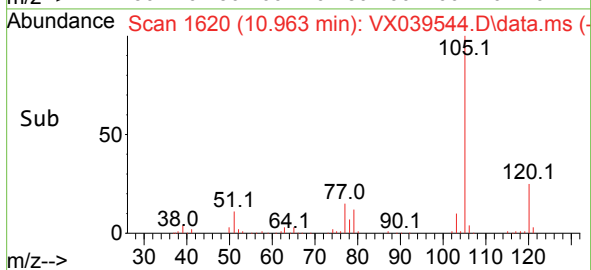
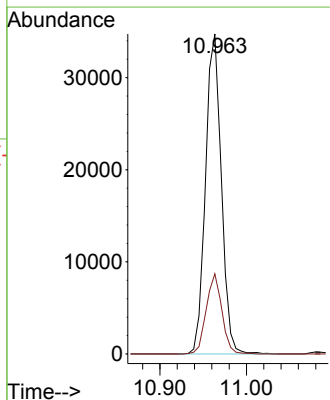
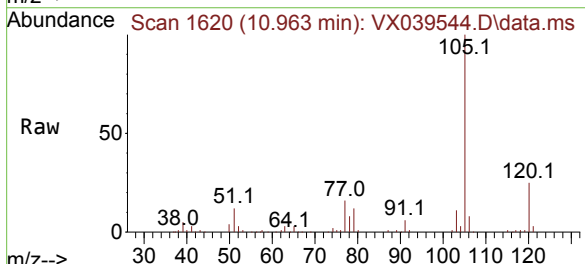
Instrument :
 MSVOA_X
 ClientSampleId :
 T-402

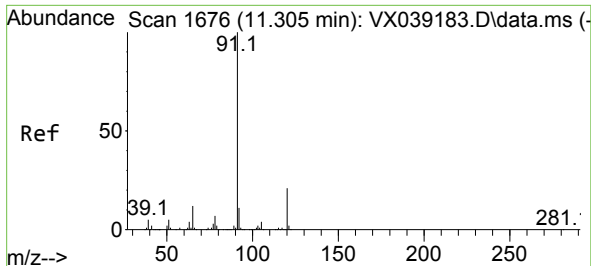
Tgt Ion:152 Resp: 90421
 Ion Ratio Lower Upper
 152 100
 115 67.4 43.3 129.9
 150 158.8 0.0 345.0



#73
 Isopropylbenzene
 Concen: 6.322 ug/l
 RT: 10.963 min Scan# 1620
 Delta R.T. 0.000 min
 Lab File: VX039544.D
 Acq: 29 Dec 2023 14:45

Tgt Ion:105 Resp: 44104
 Ion Ratio Lower Upper
 105 100
 120 24.8 12.9 38.6

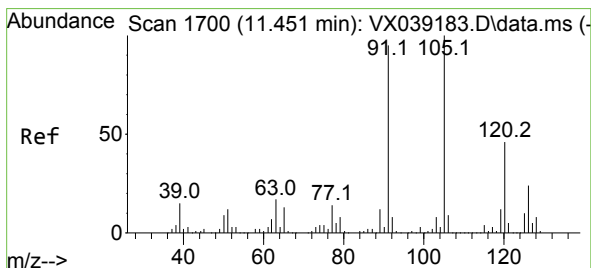
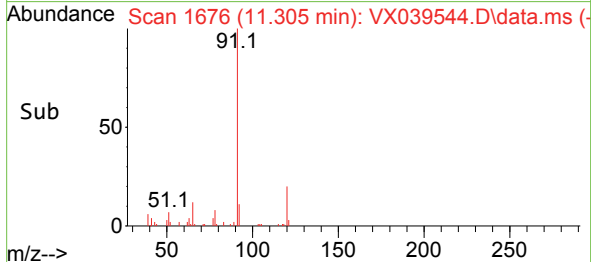
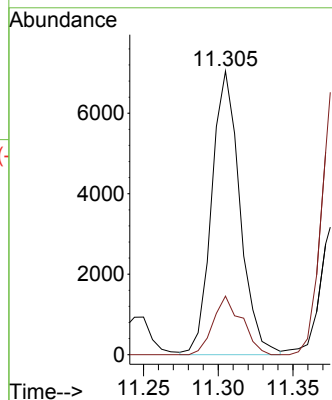
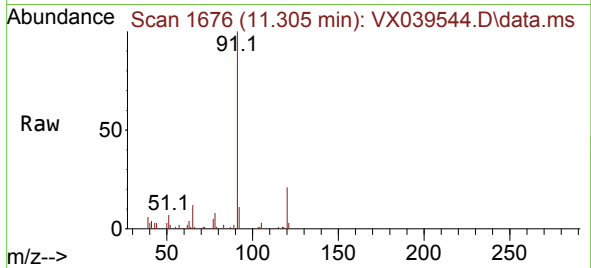




#78
n-propylbenzene
Concen: 1.079 ug/l
RT: 11.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039544.D
Acq: 29 Dec 2023 14:45

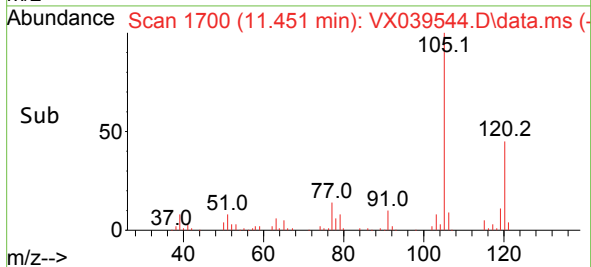
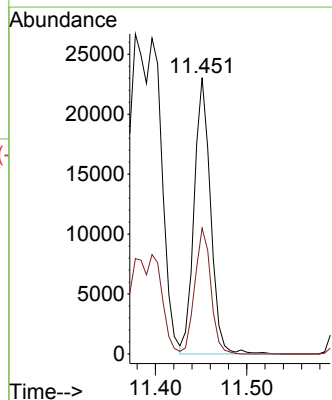
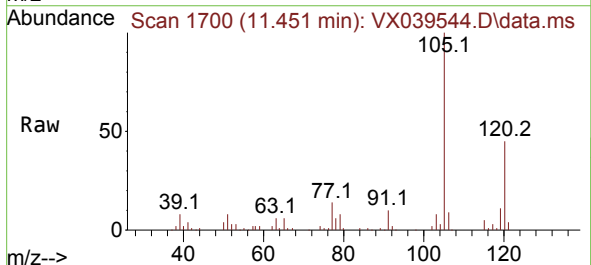
Instrument :
MSVOA_X
ClientSampleId :
T-402

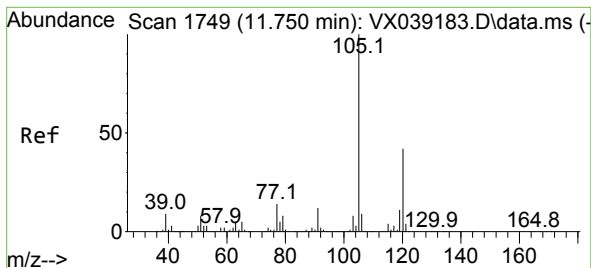
Tgt Ion: 91 Resp: 9275
Ion Ratio Lower Upper
91 100
120 20.9 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 4.836 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX039544.D
Acq: 29 Dec 2023 14:45

Tgt Ion: 105 Resp: 28740
Ion Ratio Lower Upper
105 100
120 44.5 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 21.640 ug/l

RT: 11.750 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039544.D

Acq: 29 Dec 2023 14:45

Instrument :

MSVOA_X

ClientSampleId :

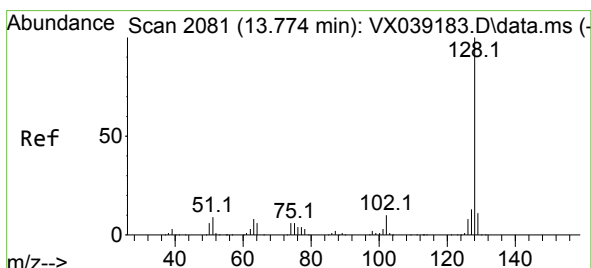
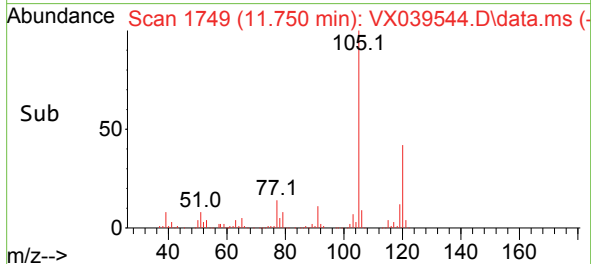
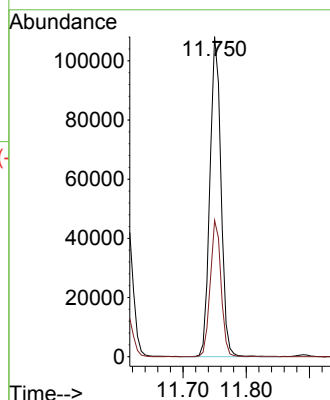
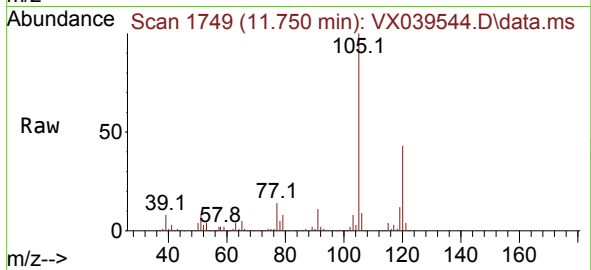
T-402

Tgt Ion:105 Resp: 131890

Ion Ratio Lower Upper

105 100

120 41.5 21.2 63.6



#95

Naphthalene

Concen: 620.844 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX039544.D

Acq: 29 Dec 2023 14:45

Tgt Ion:128 Resp: 4105604

Ion Ratio Lower Upper

128 100

127 13.8 10.3 15.5

129 11.6 8.8 13.2

