

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120221\
 Data File : VX025436.D
 Acq On : 02 Dec 2021 18:17
 Operator : JC/MD
 Sample : M4917-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP120121

Quant Time: Dec 03 03:09:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

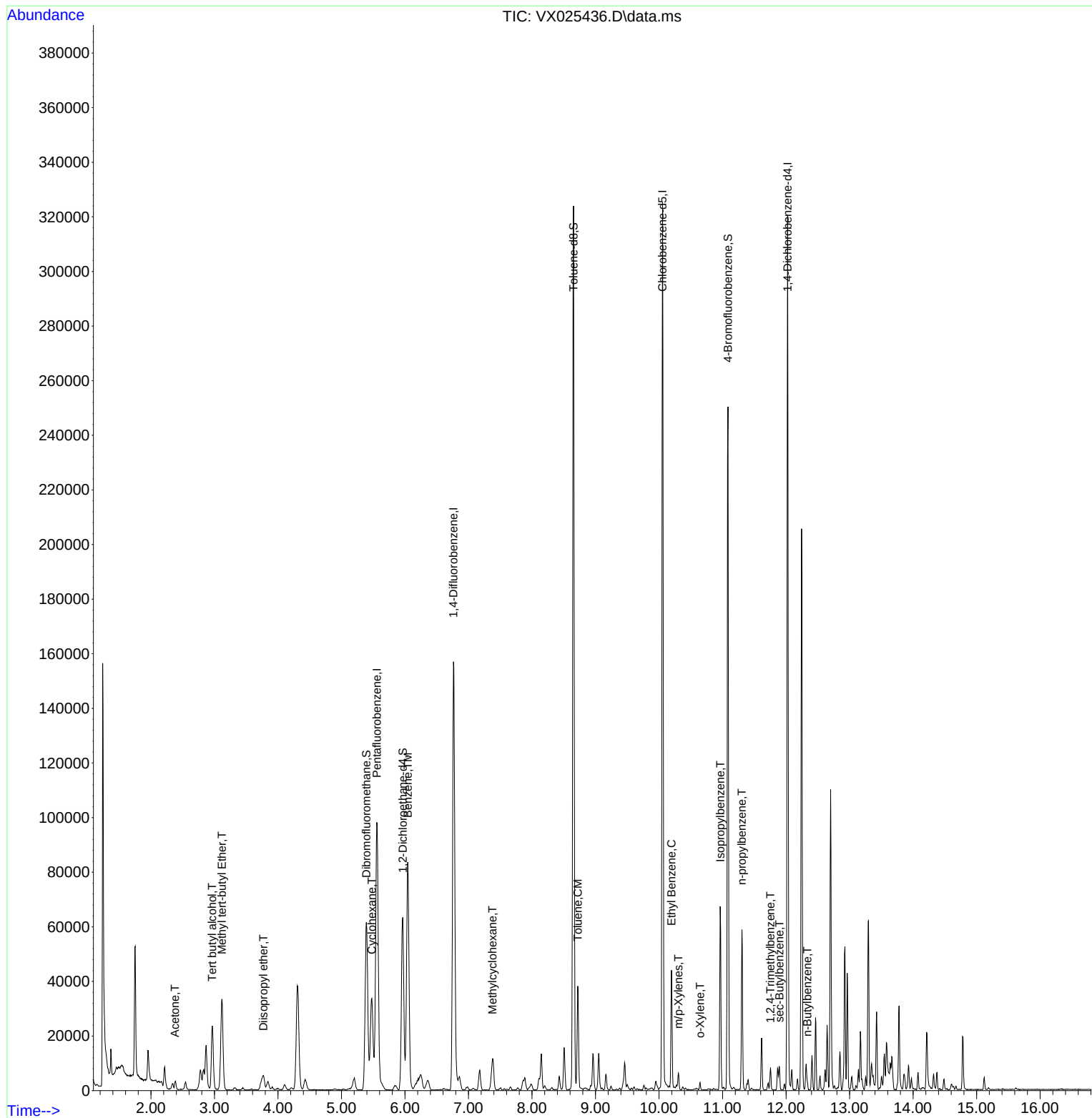
Internal Standards						
1) Pentafluorobenzene	5.556	168	99544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	169681	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	149852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67013	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	59981	57.16	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	114.32%
35) Dibromofluoromethane	5.391	113	52980	50.89	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.78%
50) Toluene-d8	8.653	98	193184	49.35	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.70%
62) 4-Bromofluorobenzene	11.085	95	66222	44.72	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.44%
Target Compounds						Qvalue
11) Tert butyl alcohol	2.965	59	28599	105.00	ug/l	98
16) Acetone	2.380	43	3380	5.80	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	32580	10.13	ug/l #	79
22) Diisopropyl ether	3.770	45	5606	1.76	ug/l #	80
31) Cyclohexane	5.477	56	23619	14.57	ug/l	96
39) Methylcyclohexane	7.379	83	5338	2.81	ug/l	88
40) Benzene	6.044	78	102079	22.76	ug/l	100
52) Toluene	8.720	92	14441	4.93	ug/l	96
67) Ethyl Benzene	10.195	91	25104	4.76	ug/l	97
68) m/p-Xylenes	10.305	106	1473	0.68	ug/l	97
69) o-Xylene	10.646	106	655	0.31	ug/l	97
73) Isopropylbenzene	10.963	105	35607	7.46	ug/l	98
78) n-propylbenzene	11.305	91	34847	6.50	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	3732	0.94	ug/l	99
85) sec-Butylbenzene	11.896	105	4966	1.00	ug/l	94
89) n-Butylbenzene	12.335	91	2032	0.57	ug/l #	48

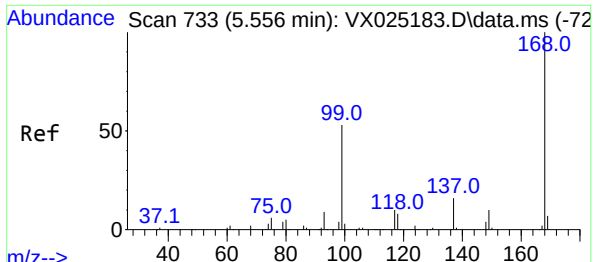
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

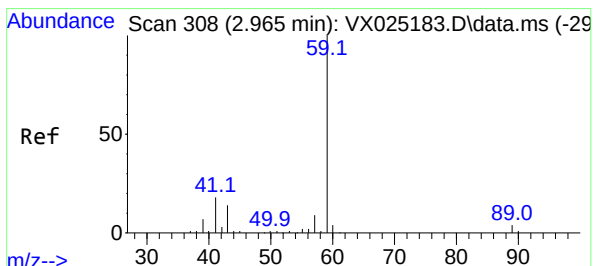
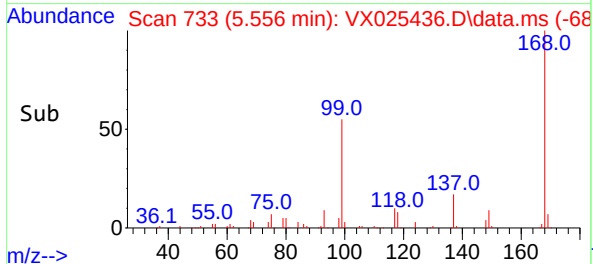
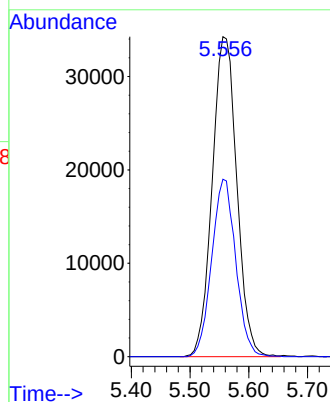
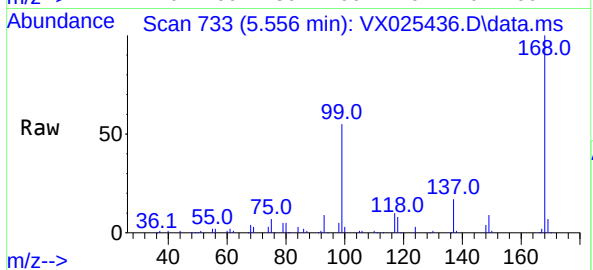




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025436.D
Acq: 02 Dec 2021 18:17

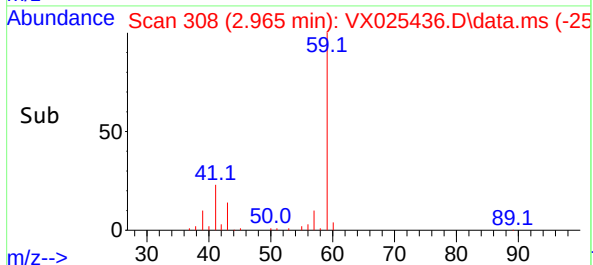
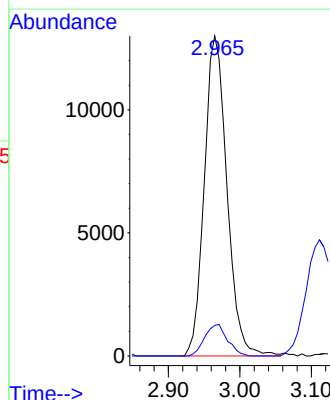
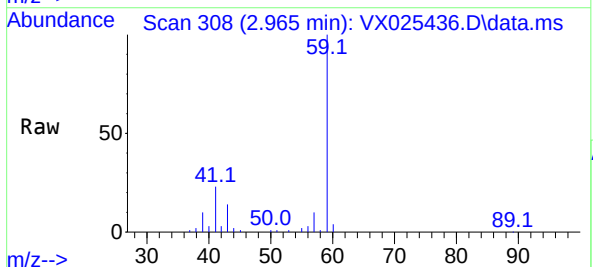
Instrument :
MSVOA_X
ClientSampleId :
DUP120121

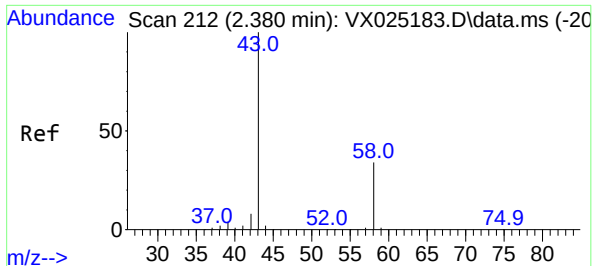
Tgt Ion:168 Resp: 99544
Ion Ratio Lower Upper
168 100
99 55.5 46.4 69.6



#11
Tert butyl alcohol
Concen: 105.00 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.000 min
Lab File: VX025436.D
Acq: 02 Dec 2021 18:17

Tgt Ion: 59 Resp: 28599
Ion Ratio Lower Upper
59 100
57 9.8 8.5 12.7

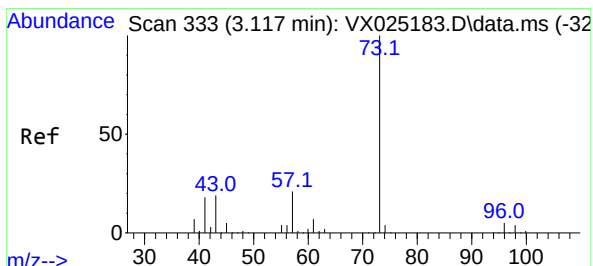
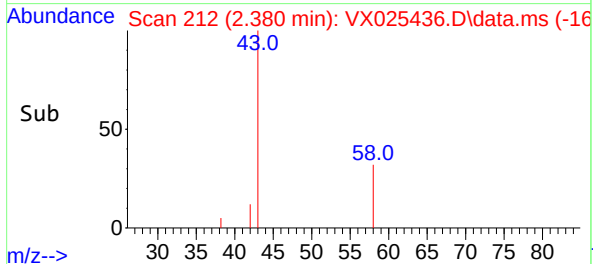
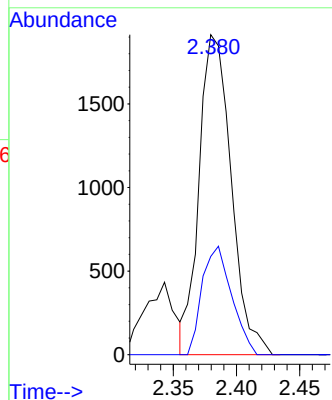
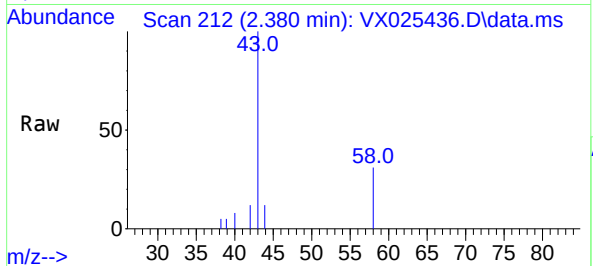




#16
Acetone
Concen: 5.80 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025436.D
Acq: 02 Dec 2021 18:17

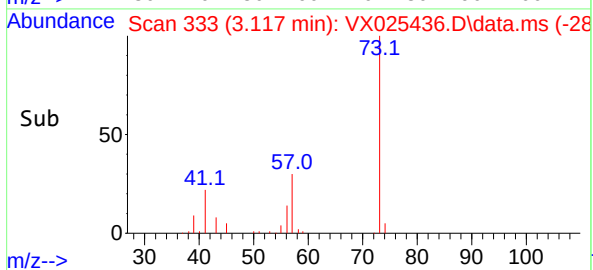
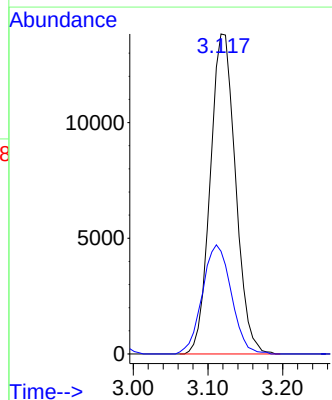
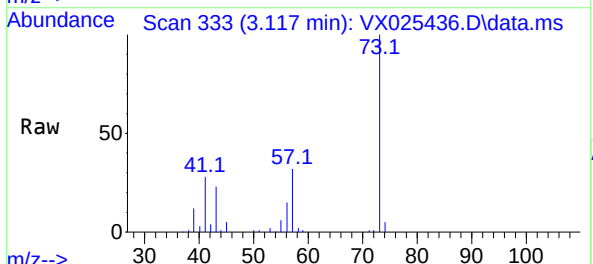
Instrument :
MSVOA_X
ClientSampleId :
DUP120121

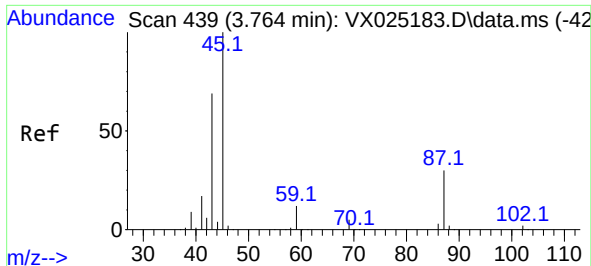
Tgt Ion: 43 Resp: 3380
Ion Ratio Lower Upper
43 100
58 30.7 24.0 36.0



#19
Methyl tert-butyl Ether
Concen: 10.13 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX025436.D
Acq: 02 Dec 2021 18:17

Tgt Ion: 73 Resp: 32580
Ion Ratio Lower Upper
73 100
57 32.1 17.5 26.3#

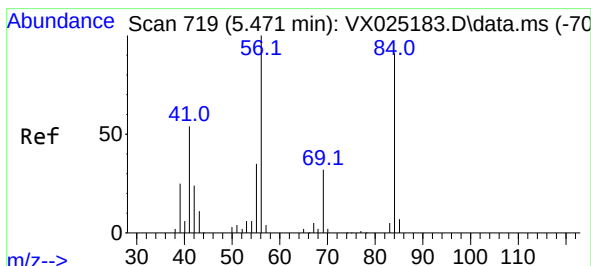
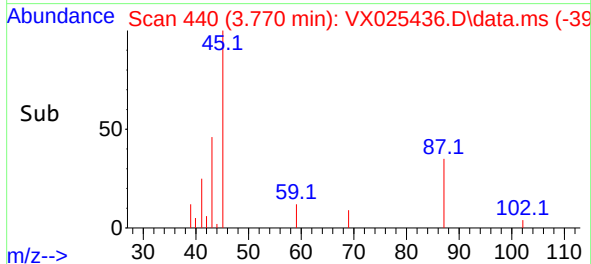
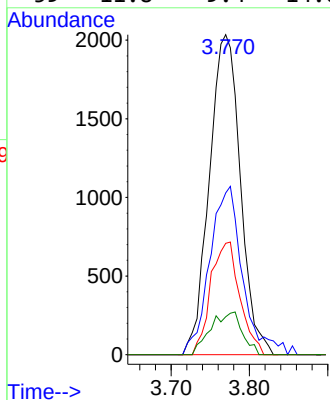
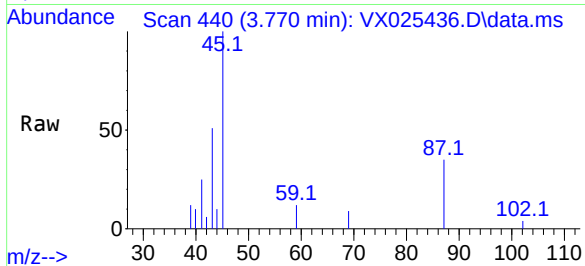




#22
Diisopropyl ether
Concen: 1.76 ug/l
RT: 3.770 min Scan# 44
Delta R.T. 0.006 min
Lab File: VX025436.D
Acq: 02 Dec 2021 18:17

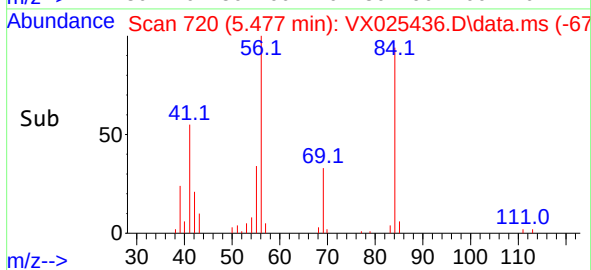
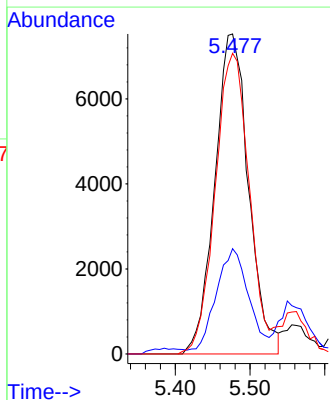
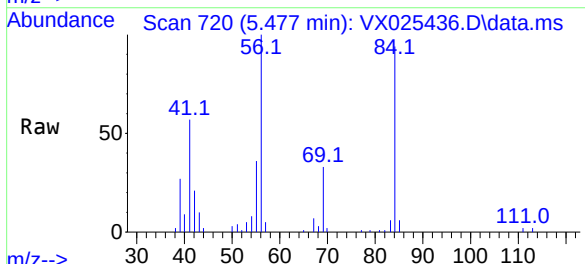
Instrument :
MSVOA_X
ClientSampleId :
DUP120121

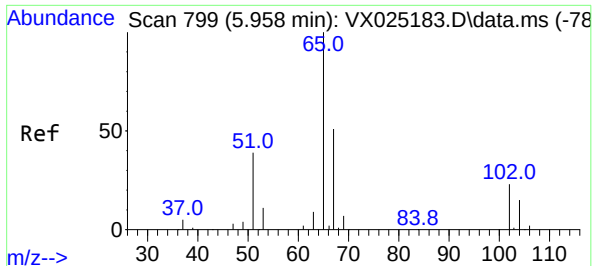
Tgt Ion: 45	Resp: 5606
Ion Ratio	Lower Upper
45 100	
43 50.6	58.3 87.5#
87 34.8	23.7 35.5
59 11.8	9.4 14.0



#31
Cyclohexane
Concen: 14.57 ug/l
RT: 5.477 min Scan# 720
Delta R.T. 0.006 min
Lab File: VX025436.D
Acq: 02 Dec 2021 18:17

Tgt Ion: 56	Resp: 23619
Ion Ratio	Lower Upper
56 100	
69 31.4	24.2 36.2
84 93.9	71.5 107.3





#33

1,2-Dichloroethane-d4

Concen: 57.16 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX025436.D

Acq: 02 Dec 2021 18:17

Instrument :

MSVOA_X

ClientSampleId :

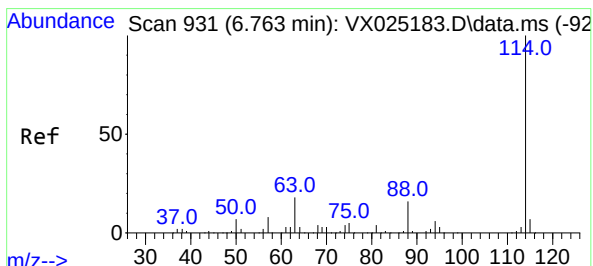
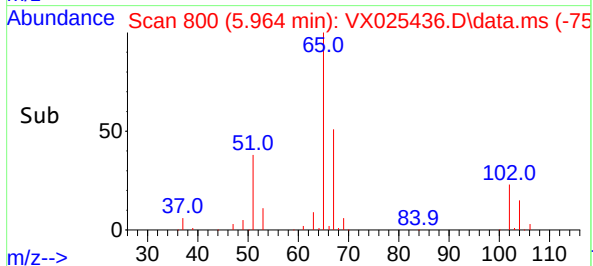
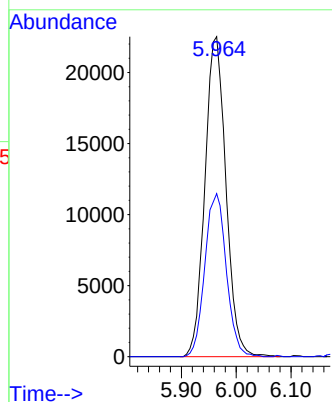
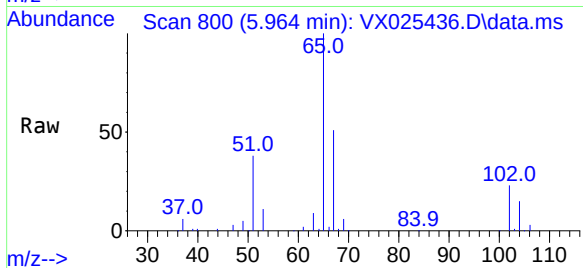
DUP120121

Tgt Ion: 65 Resp: 59981

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX025436.D

Acq: 02 Dec 2021 18:17

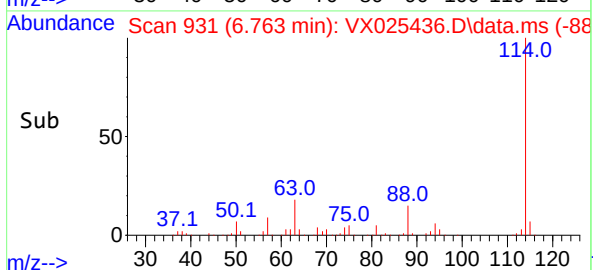
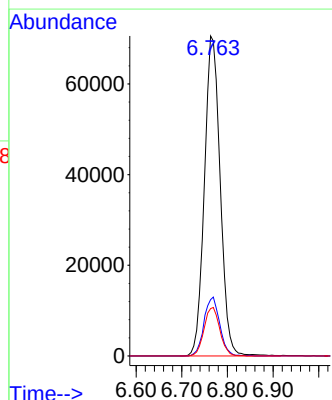
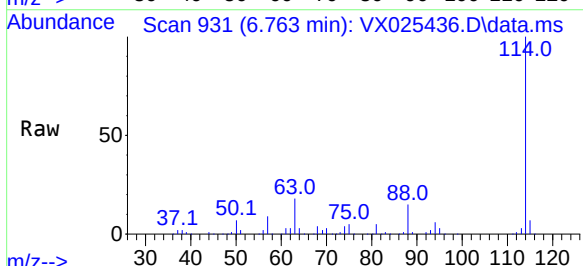
Tgt Ion: 114 Resp: 169681

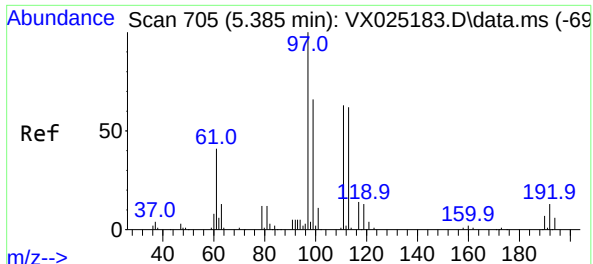
Ion Ratio Lower Upper

114 100

63 17.6 0.0 41.0

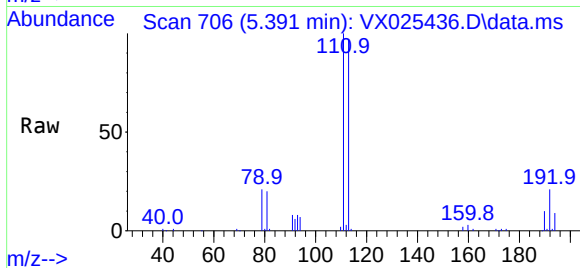
88 14.8 0.0 34.8



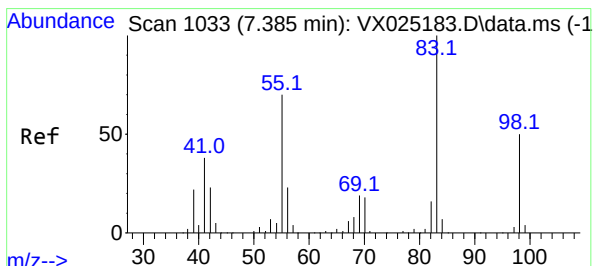
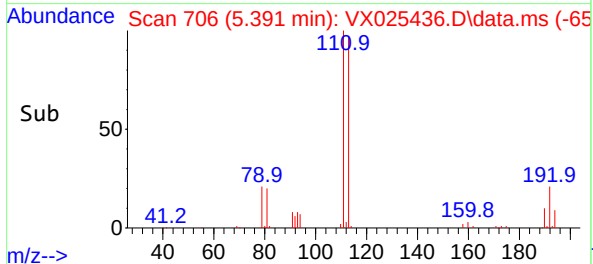
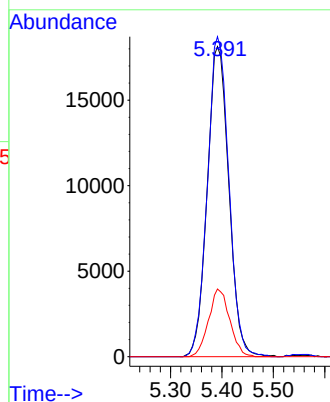


#35
Dibromofluoromethane
Concen: 50.89 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX025436.D
Acq: 02 Dec 2021 18:17

Instrument :
MSVOA_X
ClientSampleId :
DUP120121

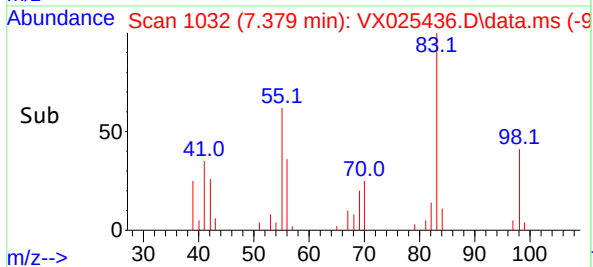
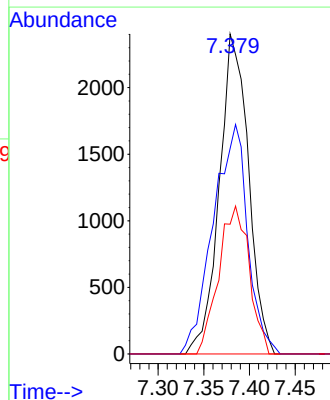
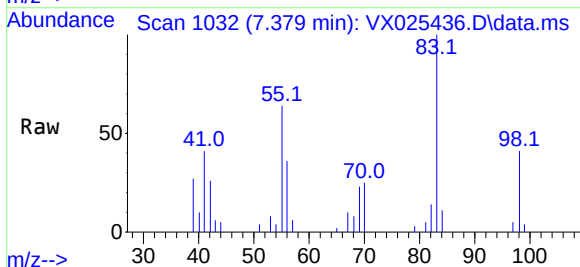


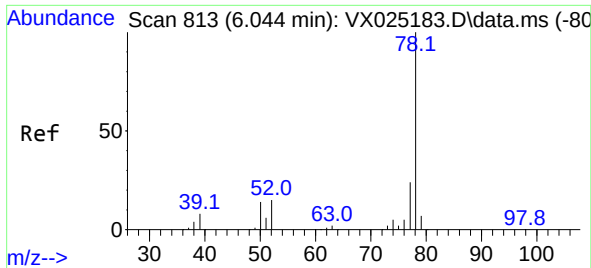
Tgt Ion:113 Resp: 52980
Ion Ratio Lower Upper
113 100
111 102.3 82.1 123.1
192 21.3 15.6 23.4



#39
Methylcyclohexane
Concen: 2.81 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX025436.D
Acq: 02 Dec 2021 18:17

Tgt Ion: 83 Resp: 5338
Ion Ratio Lower Upper
83 100
55 64.2 60.8 91.2
98 40.5 37.0 55.4

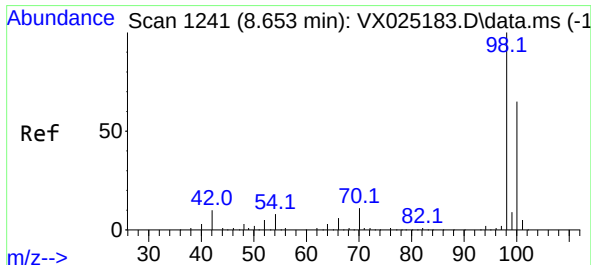
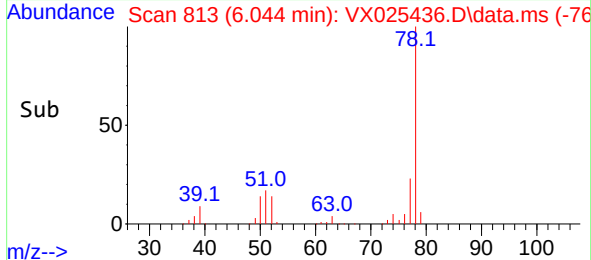
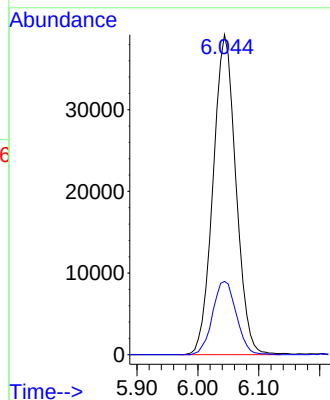
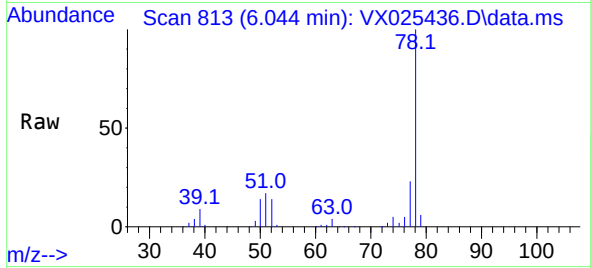




#40
Benzene
Concen: 22.76 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX025436.D
Acq: 02 Dec 2021 18:17

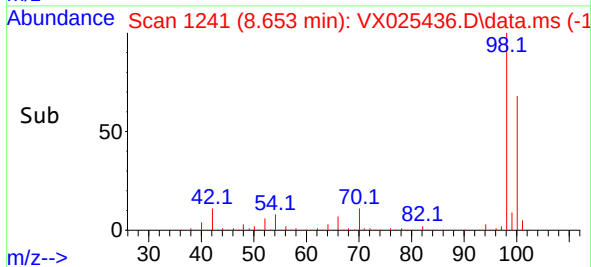
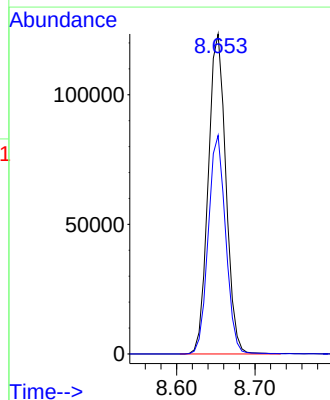
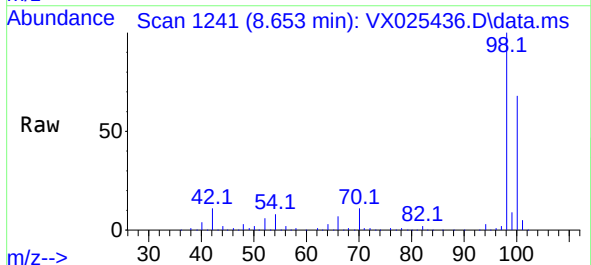
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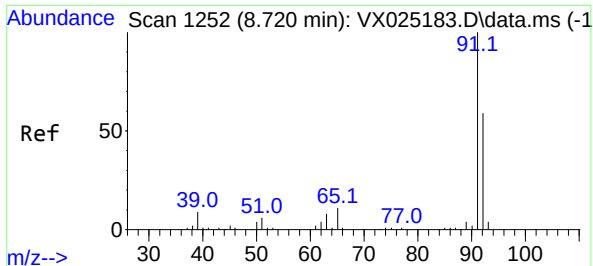
Tgt Ion: 78 Resp: 102079
Ion Ratio Lower Upper
78 100
77 22.9 18.3 27.5



#50
Toluene-d8
Concen: 49.35 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025436.D
Acq: 02 Dec 2021 18:17

Tgt Ion: 98 Resp: 193184
Ion Ratio Lower Upper
98 100
100 67.3 51.4 77.0





#52

Toluene

Concen: 4.93 ug/l

RT: 8.720 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX025436.D

Acq: 02 Dec 2021 18:17

Instrument :

MSVOA_X

ClientSampleId :

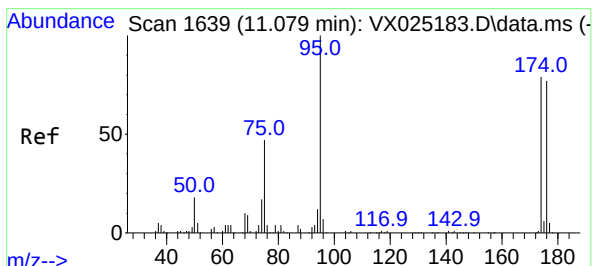
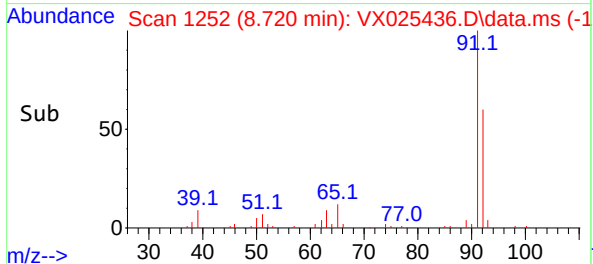
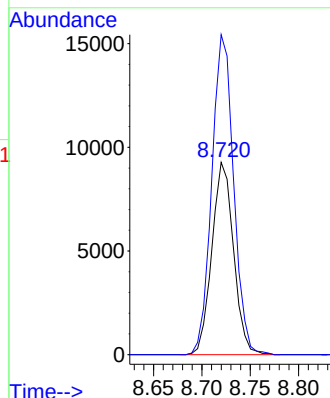
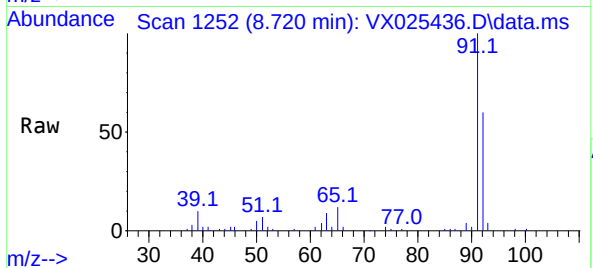
DUP120121

Tgt Ion: 92 Resp: 14441

Ion Ratio Lower Upper

92 100

91 167.3 138.6 208.0



#62

4-Bromofluorobenzene

Concen: 44.72 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX025436.D

Acq: 02 Dec 2021 18:17

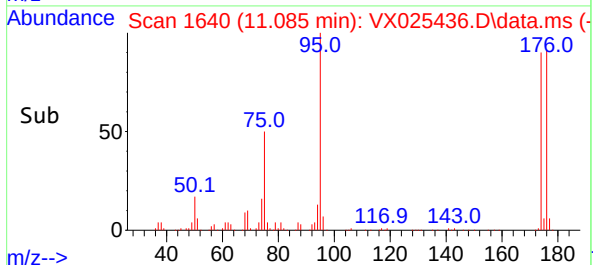
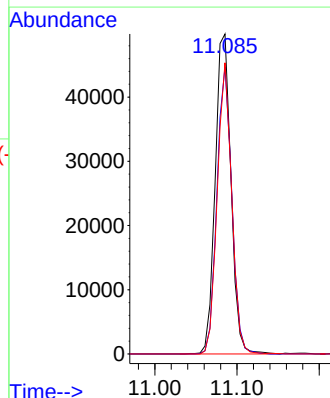
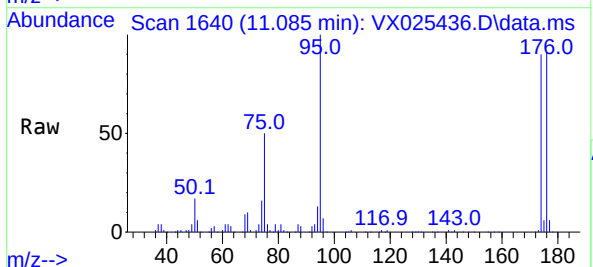
Tgt Ion: 95 Resp: 66222

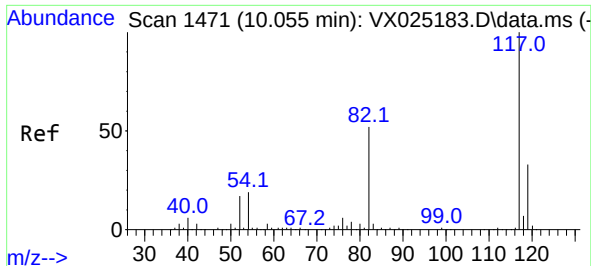
Ion Ratio Lower Upper

95 100

174 84.7 0.0 158.0

176 83.4 0.0 153.6

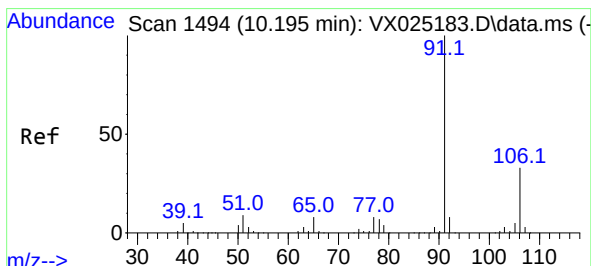
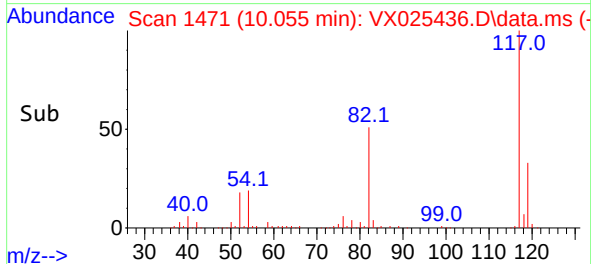
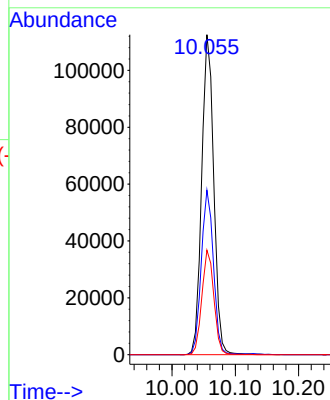
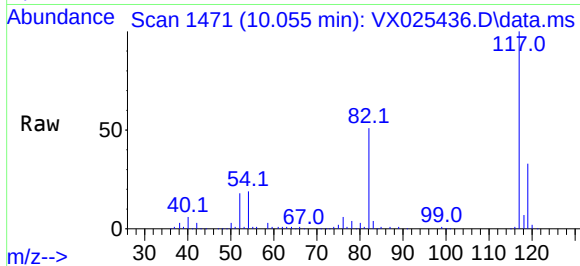




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025436.D
Acq: 02 Dec 2021 18:17

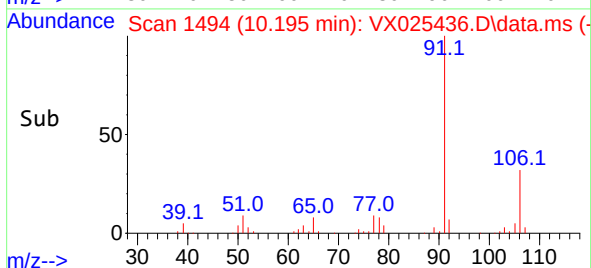
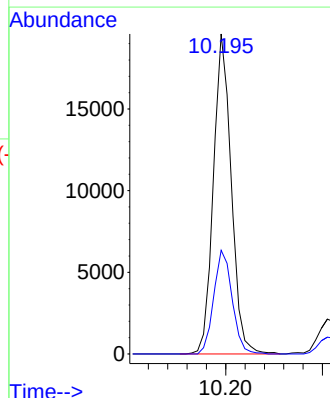
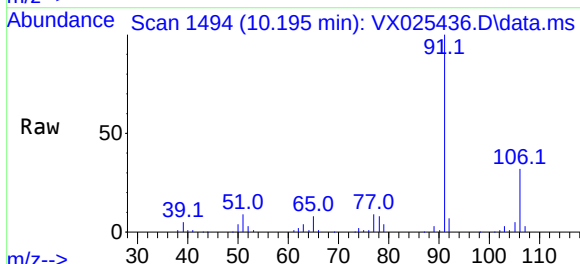
Instrument :
MSVOA_X
ClientSampleId :
DUP120121

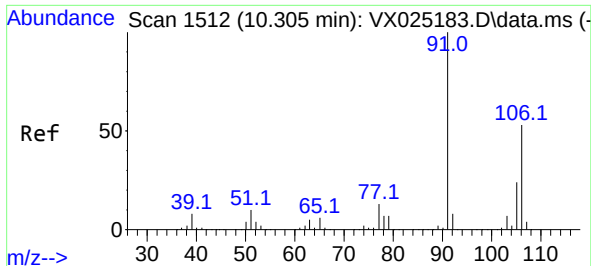
Tgt Ion:117 Resp: 149852
Ion Ratio Lower Upper
117 100
82 51.4 44.6 67.0
119 32.6 24.8 37.2



#67
Ethyl Benzene
Concen: 4.76 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX025436.D
Acq: 02 Dec 2021 18:17

Tgt Ion: 91 Resp: 25104
Ion Ratio Lower Upper
91 100
106 32.4 24.7 37.1

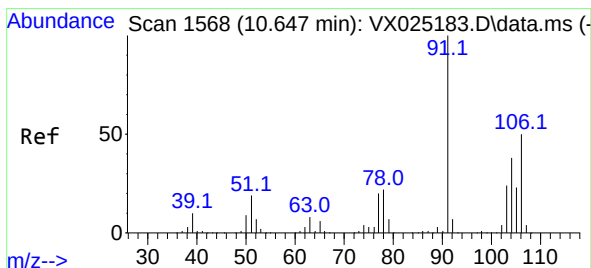
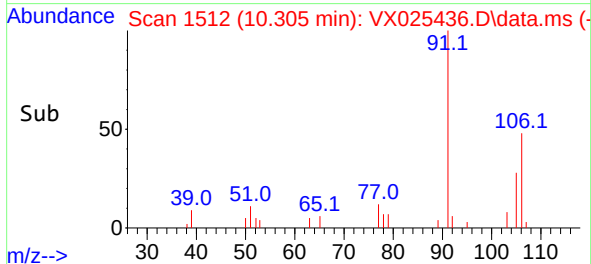
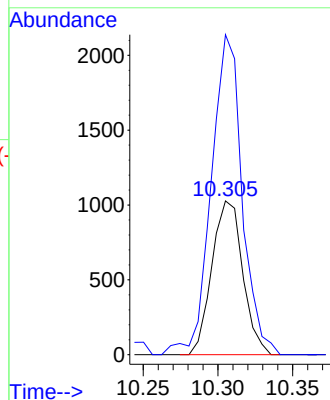
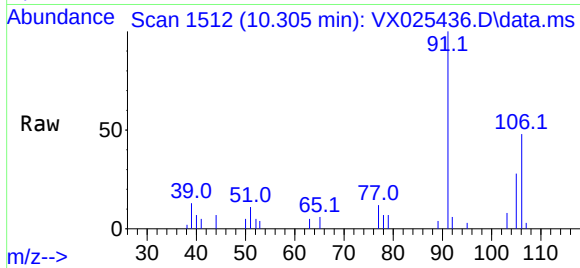




#68
m/p-Xylenes
Concen: 0.68 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX025436.D
Acq: 02 Dec 2021 18:17

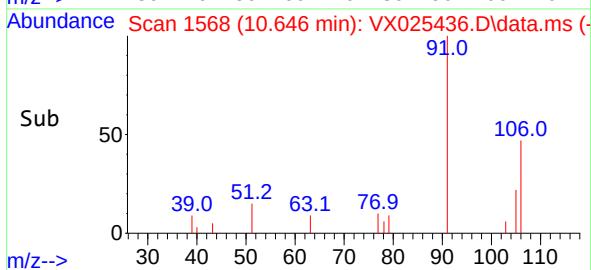
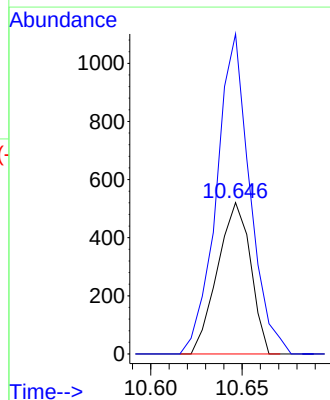
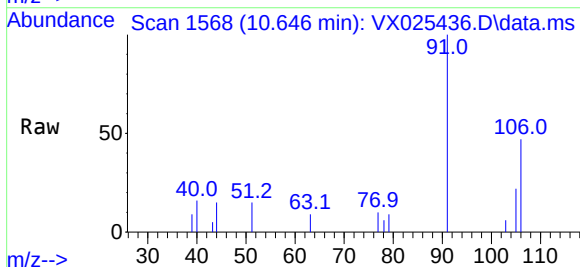
Instrument :
MSVOA_X
ClientSampleId :
DUP120121

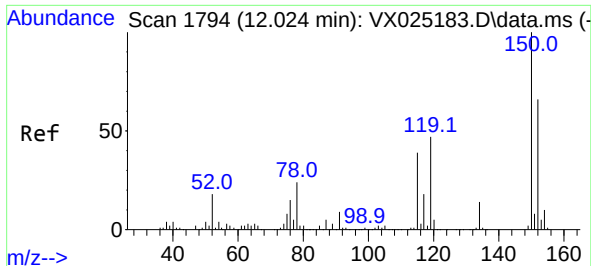
Tgt Ion:106 Resp: 1473
Ion Ratio Lower Upper
106 100
91 208.6 163.4 245.0



#69
o-Xylene
Concen: 0.31 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. -0.001 min
Lab File: VX025436.D
Acq: 02 Dec 2021 18:17

Tgt Ion:106 Resp: 655
Ion Ratio Lower Upper
106 100
91 213.7 109.5 328.4

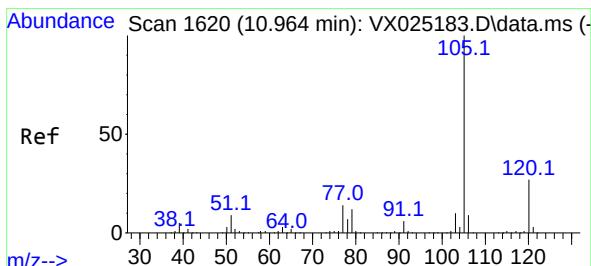
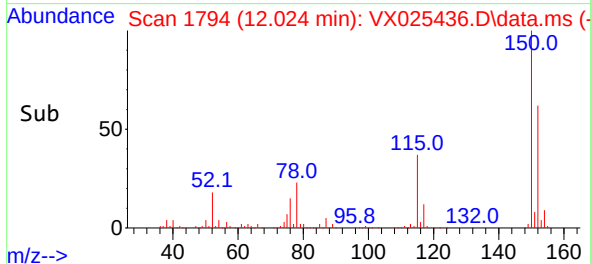
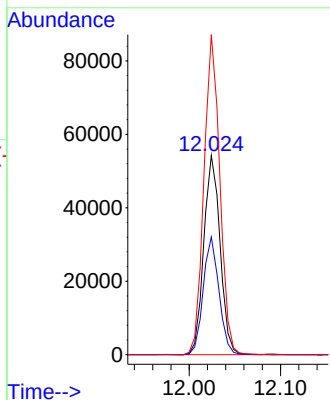
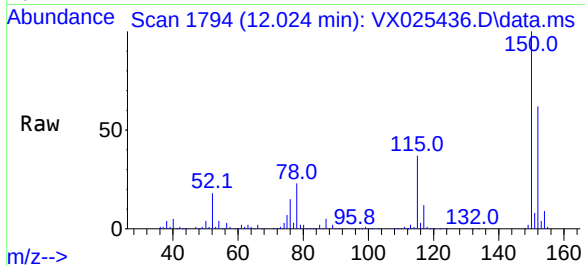




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025436.D
Acq: 02 Dec 2021 18:17

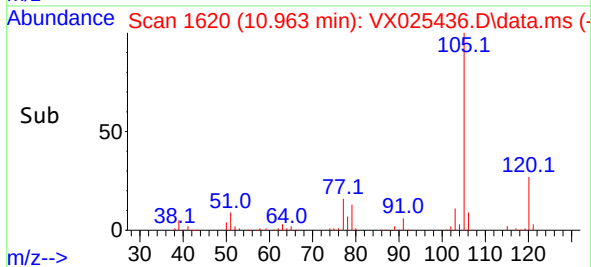
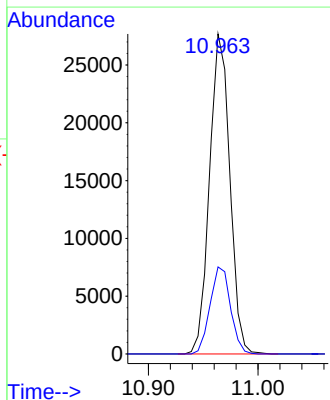
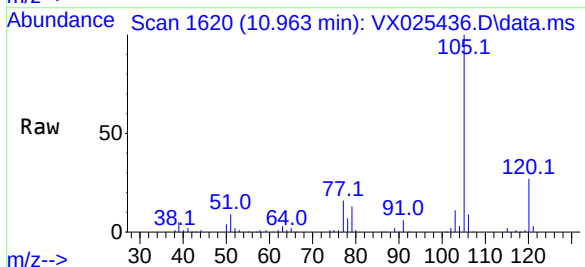
Instrument :
MSVOA_X
ClientSampleId :
DUP120121

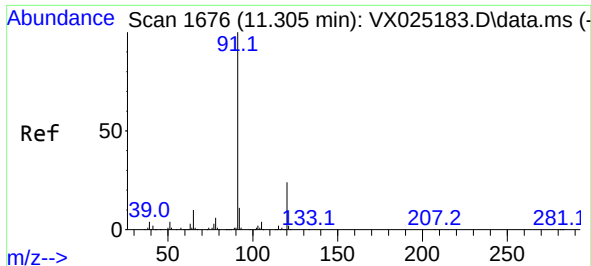
Tgt Ion:152 Resp: 67013
Ion Ratio Lower Upper
152 100
115 57.1 43.3 129.8
150 156.9 0.0 351.2



#73
Isopropylbenzene
Concen: 7.46 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.001 min
Lab File: VX025436.D
Acq: 02 Dec 2021 18:17

Tgt Ion:105 Resp: 35607
Ion Ratio Lower Upper
105 100
120 27.4 13.3 39.8

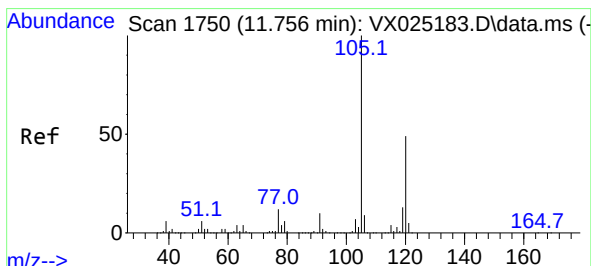
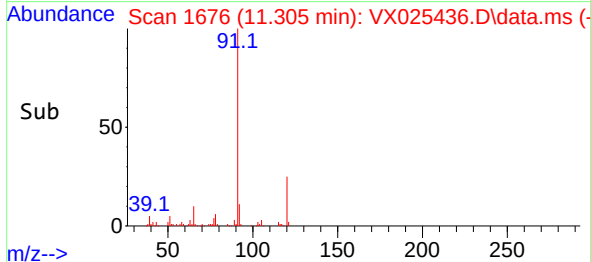
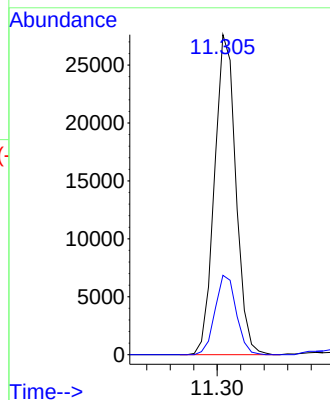
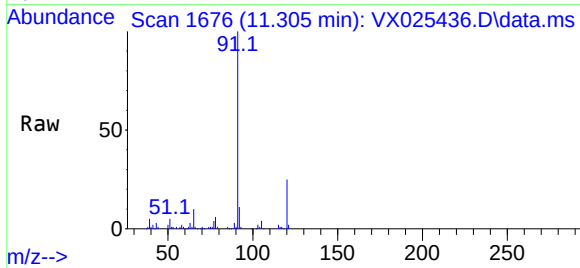




#78
n-propylbenzene
Concen: 6.50 ug/l
RT: 11.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025436.D
Acq: 02 Dec 2021 18:17

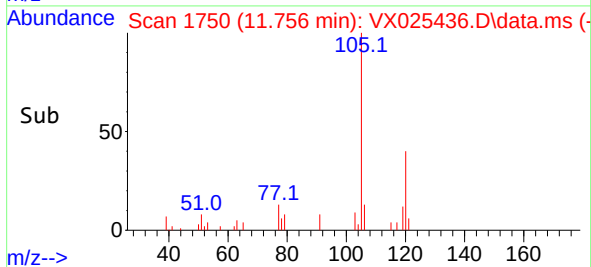
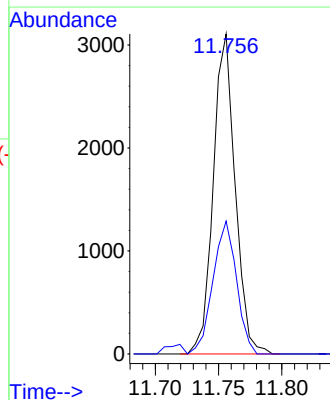
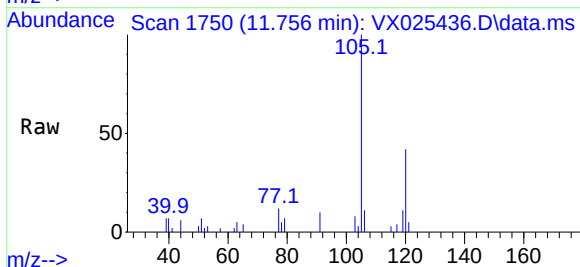
Instrument :
MSVOA_X
ClientSampleId :
DUP120121

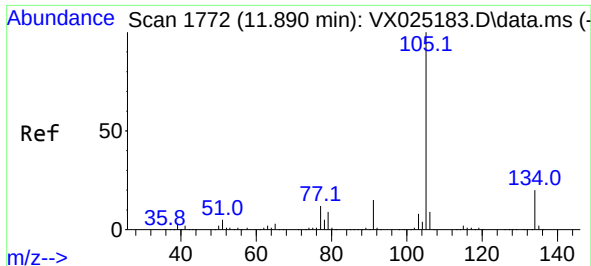
Tgt Ion: 91 Resp: 34847
Ion Ratio Lower Upper
91 100
120 24.7 11.7 35.0



#84
1,2,4-Trimethylbenzene
Concen: 0.94 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX025436.D
Acq: 02 Dec 2021 18:17

Tgt Ion: 105 Resp: 3732
Ion Ratio Lower Upper
105 100
120 44.7 22.1 66.3

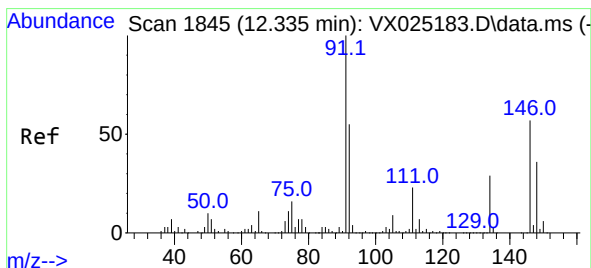
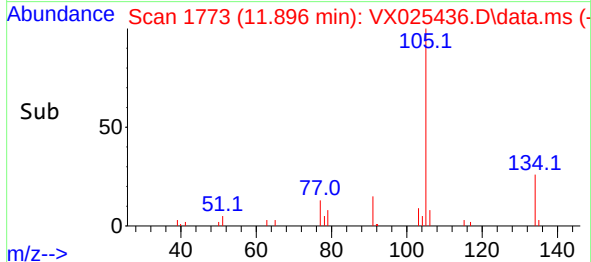
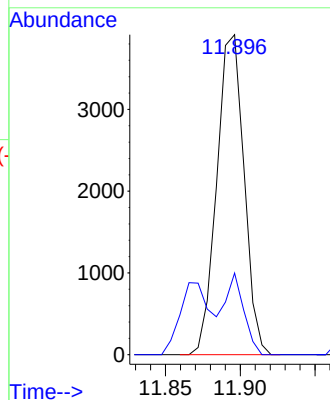
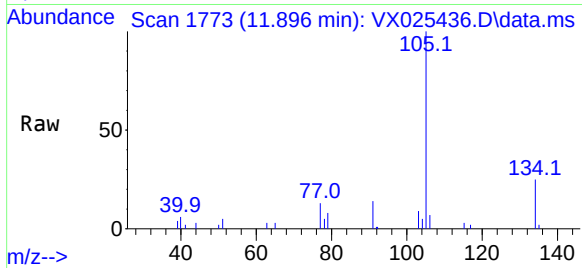




#85
 sec-Butylbenzene
 Concen: 1.00 ug/l
 RT: 11.896 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX025436.D
 Acq: 02 Dec 2021 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP120121

Tgt Ion:105 Resp: 4966
 Ion Ratio Lower Upper
 105 100
 134 17.3 10.2 30.4



#89
 n-Butylbenzene
 Concen: 0.57 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: VX025436.D
 Acq: 02 Dec 2021 18:17

Tgt Ion: 91 Resp: 2032
 Ion Ratio Lower Upper
 91 100
 92 32.4 26.3 78.8
 134 76.8 13.0 38.9#

