

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101824\
 Data File : VX043431.D
 Acq On : 18 Oct 2024 14:00
 Operator : JC/MD
 Sample : P4427-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 241016059-01-VOA

Quant Time: Oct 18 23:19:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 16:50:57 2024
 Response via : Initial Calibration

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

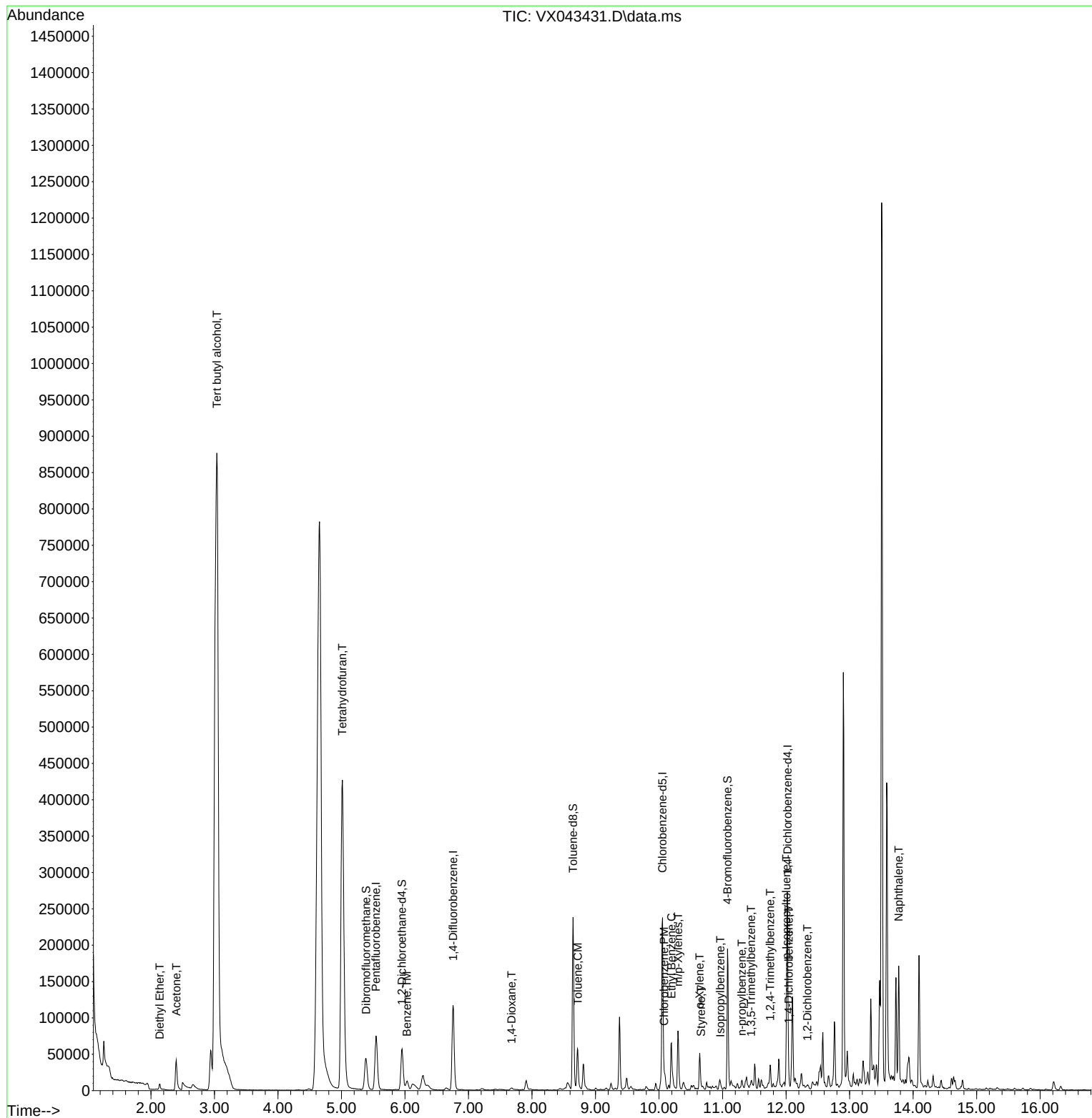
Internal Standards						
1) Pentafluorobenzene	5.544	168	65072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	119277	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	101497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	44796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56987	53.623	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.240%
35) Dibromofluoromethane	5.385	113	38220	46.463	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.920%
50) Toluene-d8	8.647	98	138145	48.461	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.920%
62) 4-Bromofluorobenzene	11.079	95	51337	49.572	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.140%
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.136	74	2442	5.379	ug/l	90
11) Tert butyl alcohol	3.038	59	2063295	10202.670	ug/l	100
16) Acetone	2.398	43	32016	72.140	ug/l	99
29) Tetrahydrofuran	5.013	42	419948	1083.316	ug/l	97
40) Benzene	6.031	78	14689	4.662	ug/l	99
49) 1,4-Dioxane	7.678	88	3046	154.936	ug/l #	89
52) Toluene	8.720	92	18203	9.218	ug/l	100
65) Chlorobenzene	10.079	112	3300	1.512	ug/l #	72
67) Ethyl Benzene	10.195	91	39023	10.346	ug/l	97
68) m/p-Xylenes	10.299	106	17971	12.608	ug/l	99
69) o-Xylene	10.640	106	10085	7.120	ug/l	98
70) Styrene	10.659	104	2558	1.114	ug/l #	40
73) Isopropylbenzene	10.963	105	4076	1.170	ug/l	98
78) n-propylbenzene	11.305	91	2380	0.622	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	3752	1.306	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	13669	4.729	ug/l	96
86) p-Isopropyltoluene	12.006	119	27805	9.498	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	4719	3.066	ug/l	82
91) 1,2-Dichlorobenzene	12.335	146	533	0.349	ug/l	77
95) Naphthalene	13.774	128	88051	27.210	ug/l	100

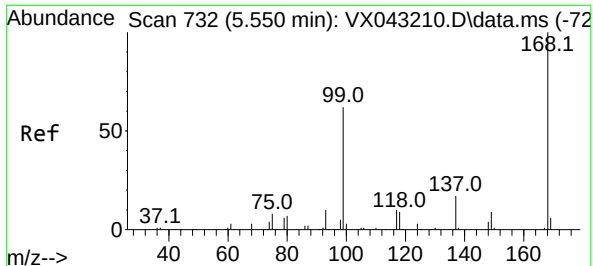
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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241016059-01-VOA

Quant Time: Oct 18 23:19:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 16:50:57 2024
Response via : Initial Calibration

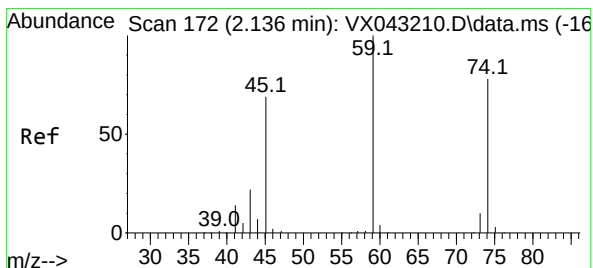
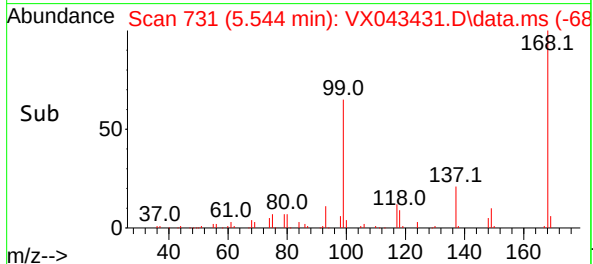
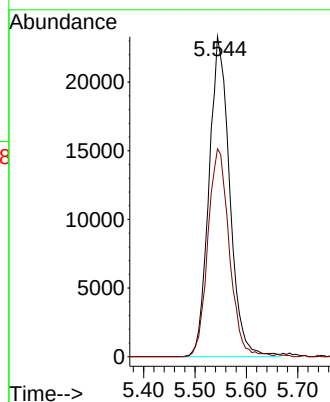
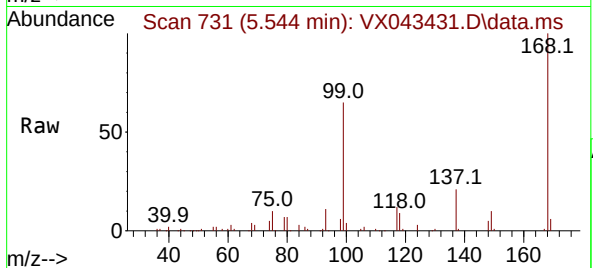




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.006 min
Lab File: VX043431.D
Acq: 18 Oct 2024 14:00

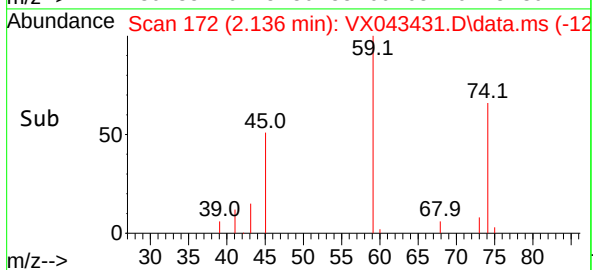
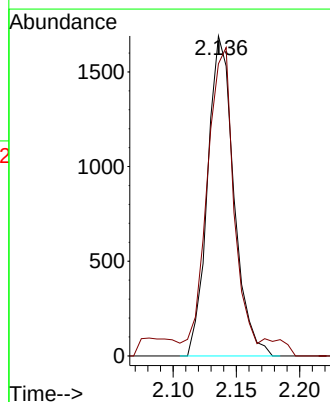
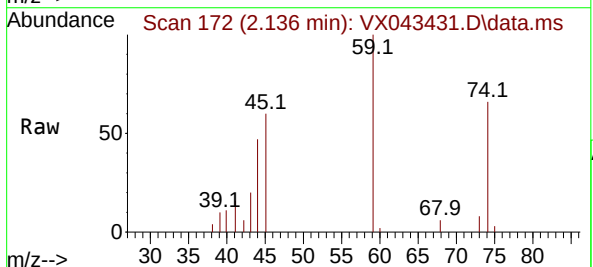
Instrument :
MSVOA_X
ClientSampleId :
241016059-01-VOA

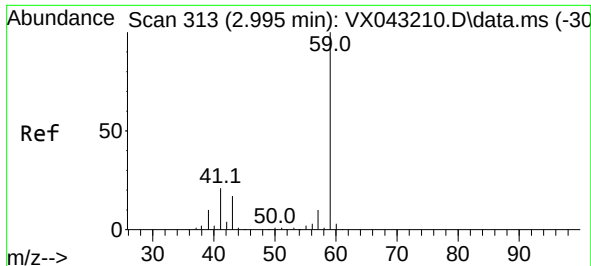
Tgt Ion:168 Resp: 65072
Ion Ratio Lower Upper
168 100
99 65.0 49.7 74.5



#8
Diethyl Ether
Concen: 5.379 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043431.D
Acq: 18 Oct 2024 14:00

Tgt Ion: 74 Resp: 2442
Ion Ratio Lower Upper
74 100
45 103.8 47.1 141.4

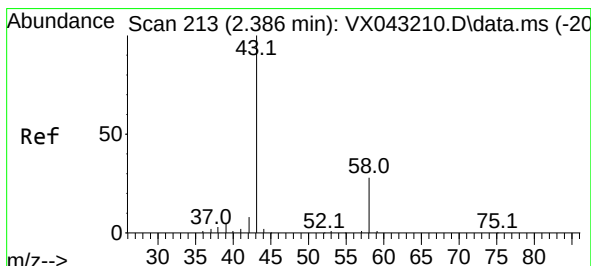
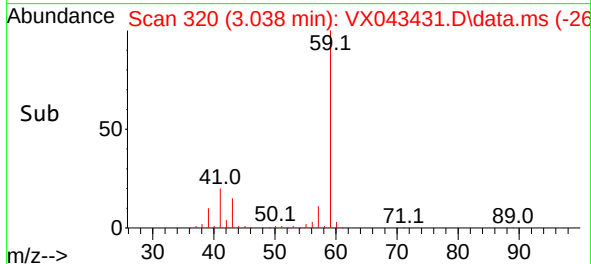
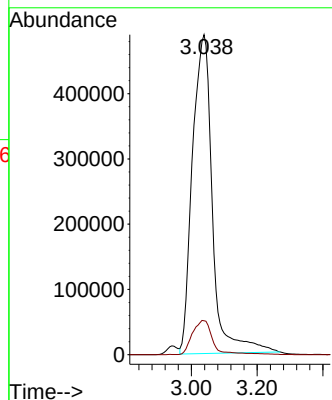
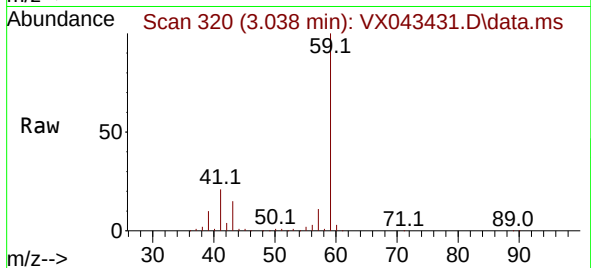




#11
Tert butyl alcohol
Concen: 10202.670 ug/l
RT: 3.038 min Scan# 31
Delta R.T. 0.043 min
Lab File: VX043431.D
Acq: 18 Oct 2024 14:00

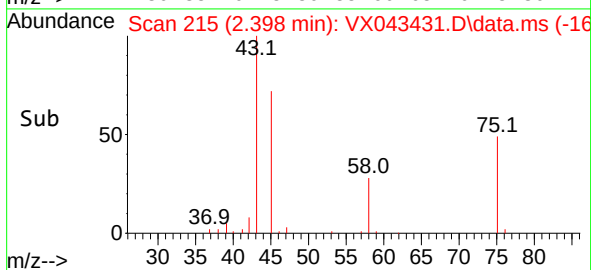
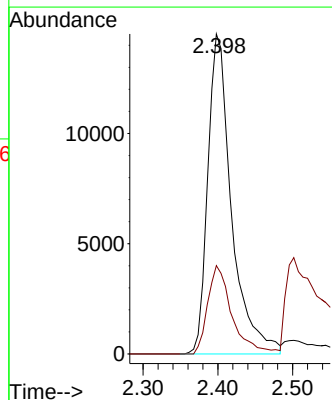
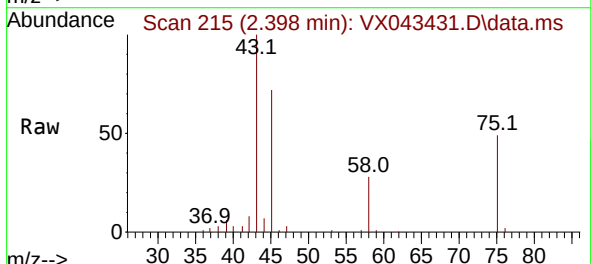
Instrument :
MSVOA_X
ClientSampleId :
241016059-01-VOA

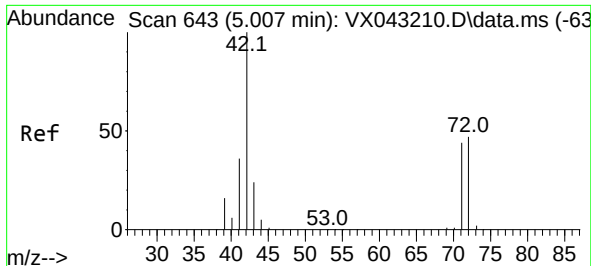
Tgt Ion: 59 Resp: 2063295
Ion Ratio Lower Upper
59 100
57 10.9 8.6 13.0



#16
Acetone
Concen: 72.140 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.012 min
Lab File: VX043431.D
Acq: 18 Oct 2024 14:00

Tgt Ion: 43 Resp: 32016
Ion Ratio Lower Upper
43 100
58 27.6 22.6 33.8





#29

Tetrahydrofuran

Concen: 1083.316 ug/l

RT: 5.013 min Scan# 643

Delta R.T. 0.006 min

Lab File: VX043431.D

Acq: 18 Oct 2024 14:00

Instrument :

MSVOA_X

ClientSampleId :

241016059-01-VOA

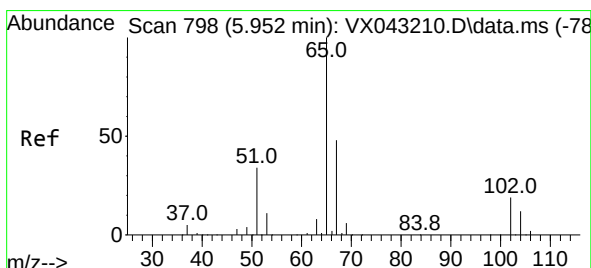
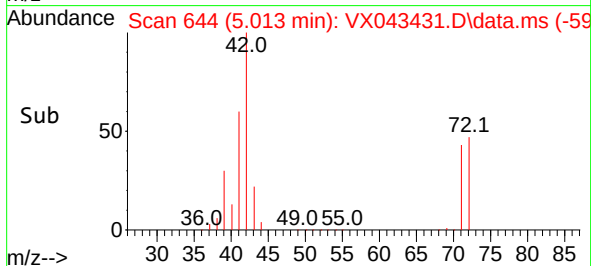
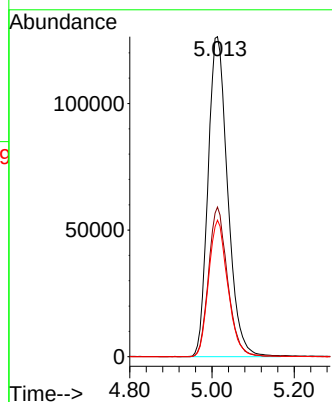
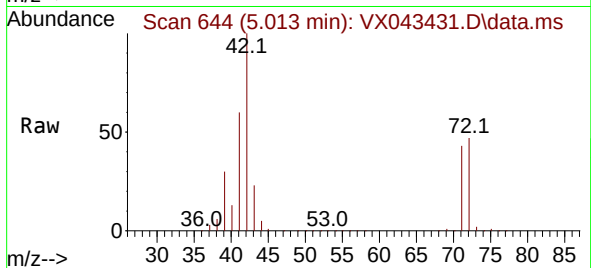
Tgt Ion: 42 Resp: 419948

Ion Ratio Lower Upper

42 100

72 45.1 37.7 56.5

71 41.7 34.6 52.0



#33

1,2-Dichloroethane-d4

Concen: 53.623 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043431.D

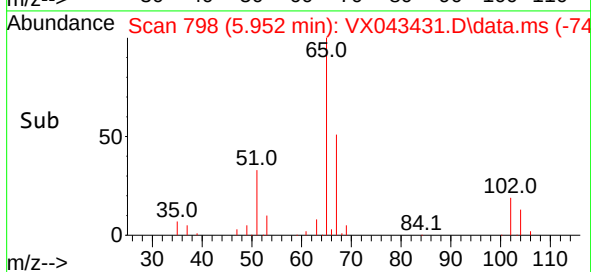
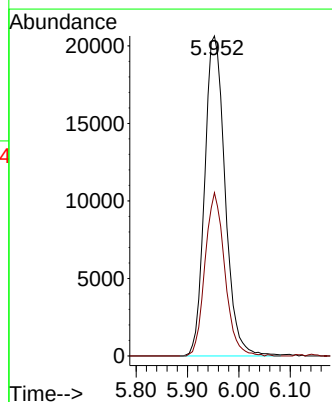
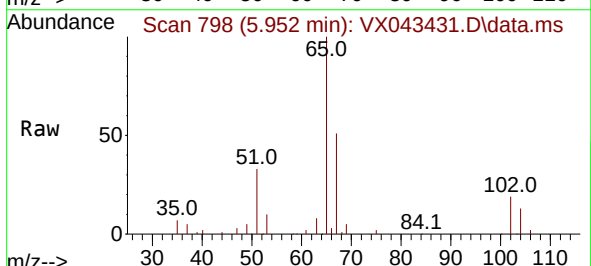
Acq: 18 Oct 2024 14:00

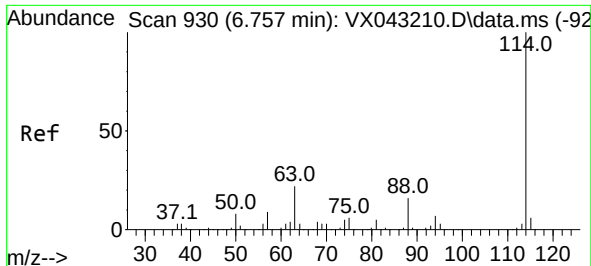
Tgt Ion: 65 Resp: 56987

Ion Ratio Lower Upper

65 100

67 49.5 0.0 99.0

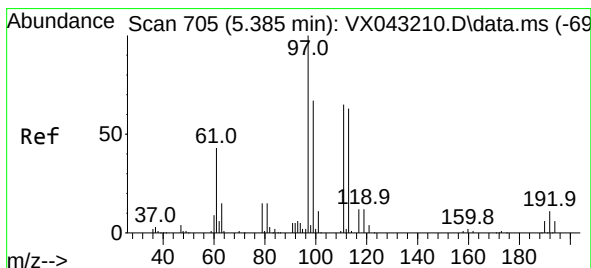
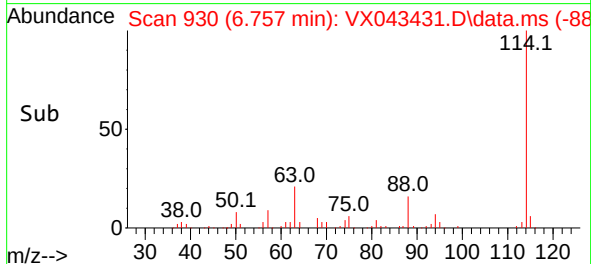
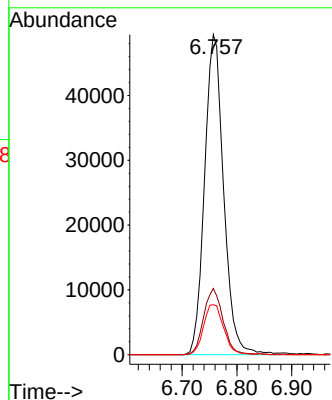
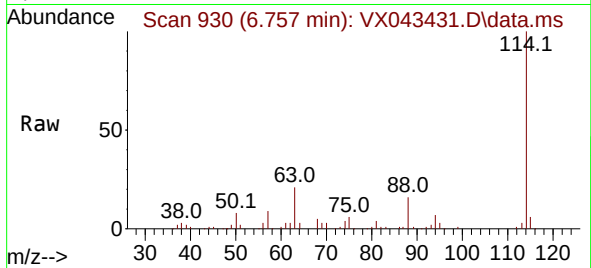




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX043431.D
Acq: 18 Oct 2024 14:00

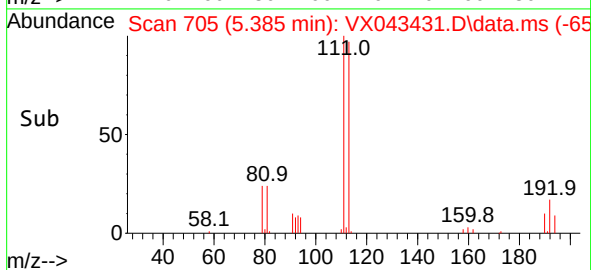
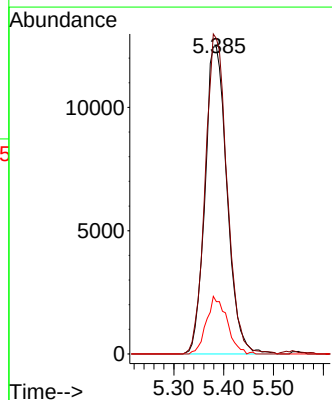
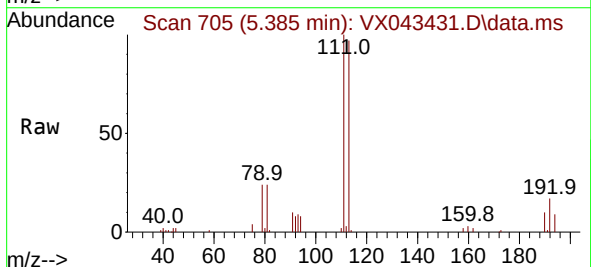
Instrument :
MSVOA_X
ClientSampleId :
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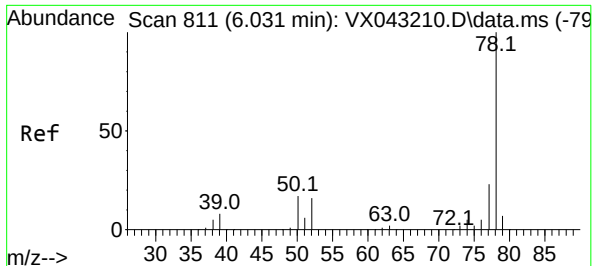
Tgt Ion:114 Resp: 119277
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.0
88 15.6 0.0 33.0



#35
Dibromofluoromethane
Concen: 46.463 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043431.D
Acq: 18 Oct 2024 14:00

Tgt Ion:113 Resp: 38220
Ion Ratio Lower Upper
113 100
111 103.2 83.4 125.0
192 17.6 14.1 21.1

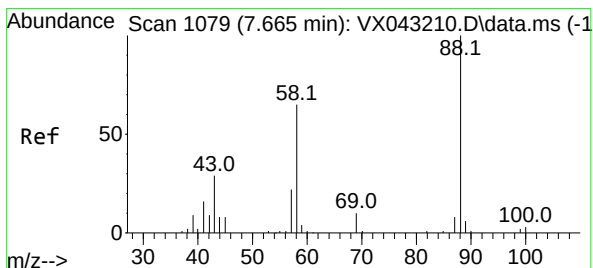
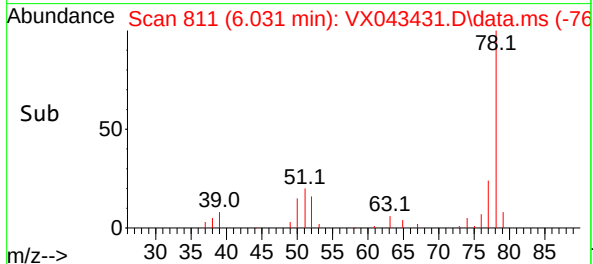
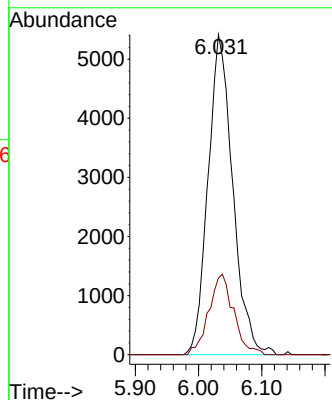
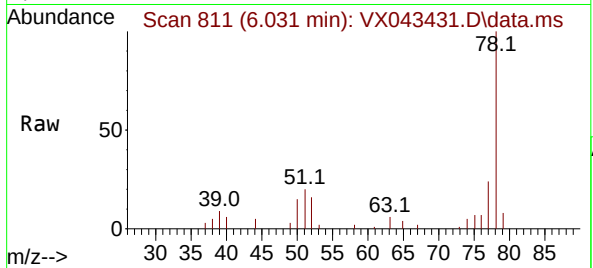




#40
Benzene
Concen: 4.662 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043431.D
Acq: 18 Oct 2024 14:00

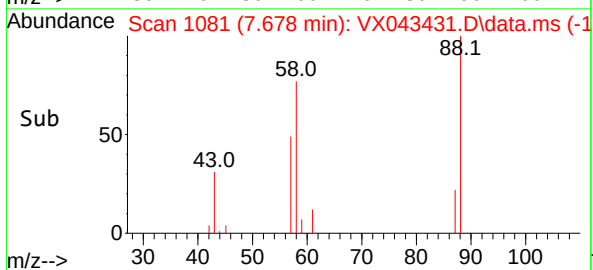
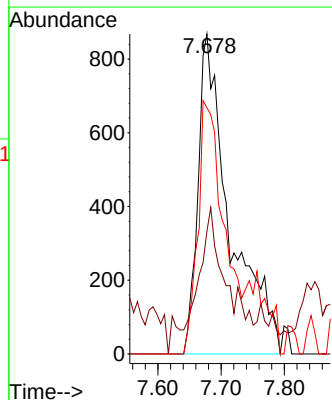
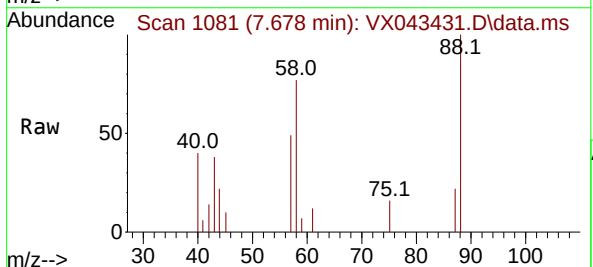
Instrument :
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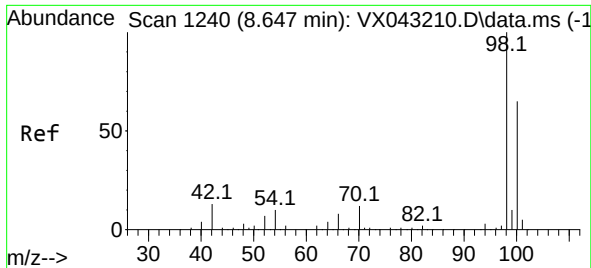
Tgt Ion: 78 Resp: 14689
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2



#49
1,4-Dioxane
Concen: 154.936 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX043431.D
Acq: 18 Oct 2024 14:00

Tgt Ion: 88 Resp: 3046
Ion Ratio Lower Upper
88 100
43 24.9 29.5 44.3#
58 64.4 55.2 82.8

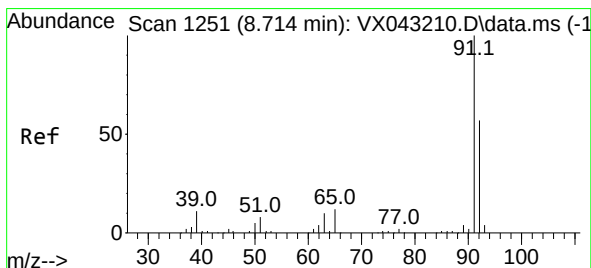
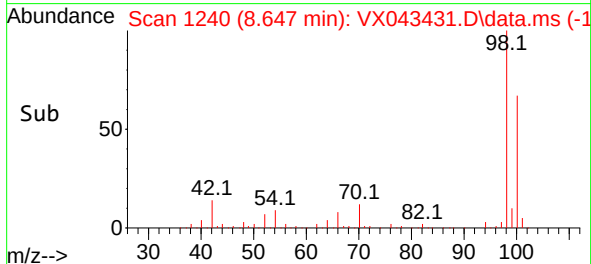
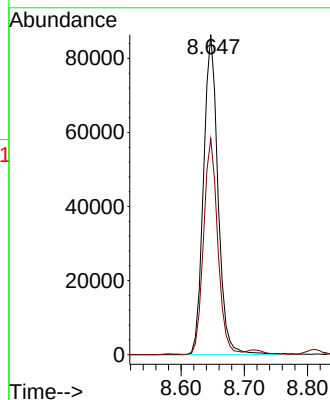
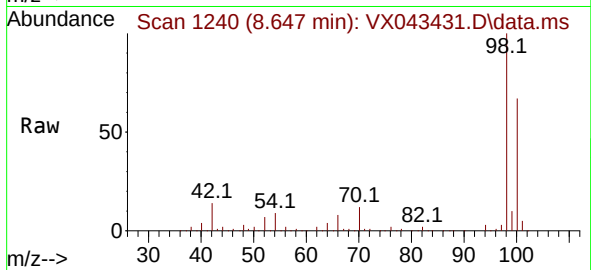




#50
Toluene-d8
Concen: 48.461 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043431.D
Acq: 18 Oct 2024 14:00

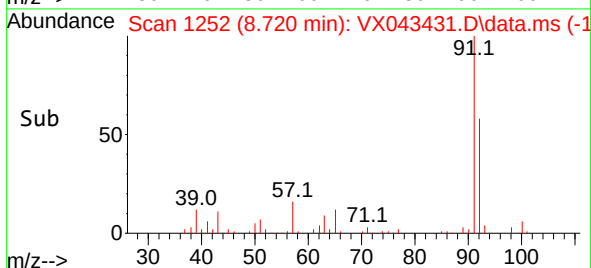
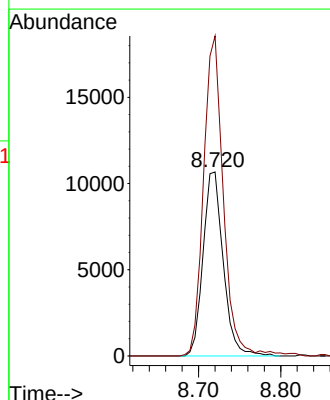
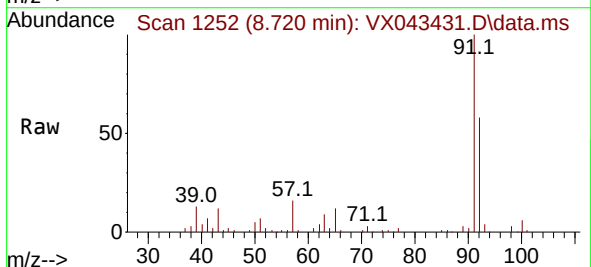
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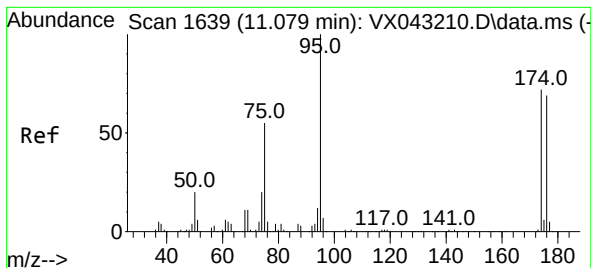
Tgt Ion: 98 Resp: 138145
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#52
Toluene
Concen: 9.218 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX043431.D
Acq: 18 Oct 2024 14:00

Tgt Ion: 92 Resp: 18203
Ion Ratio Lower Upper
92 100
91 171.0 137.0 205.4

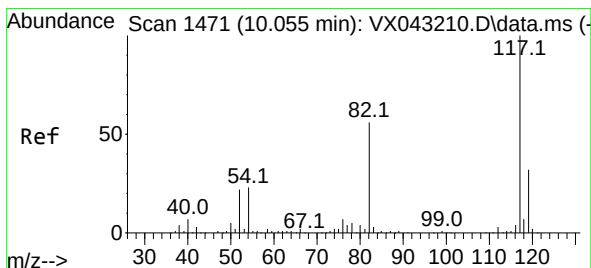
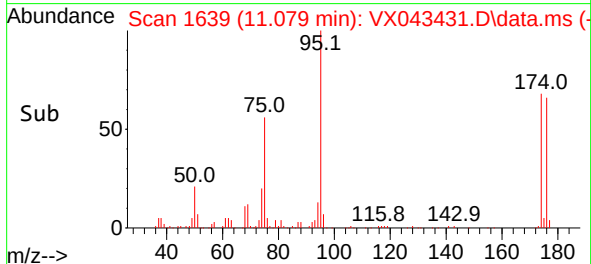
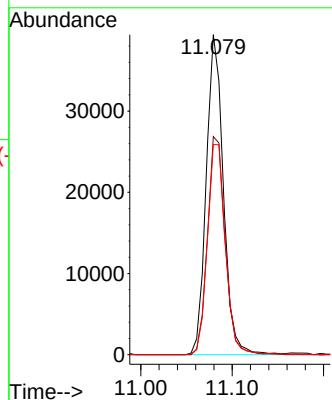
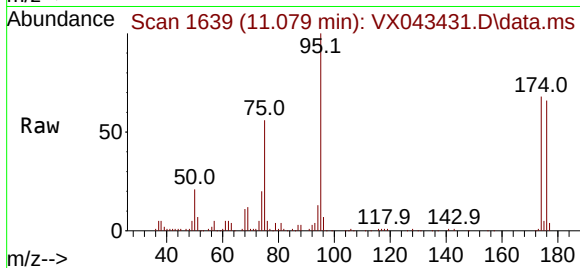




#62
4-Bromofluorobenzene
Concen: 49.572 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043431.D
Acq: 18 Oct 2024 14:00

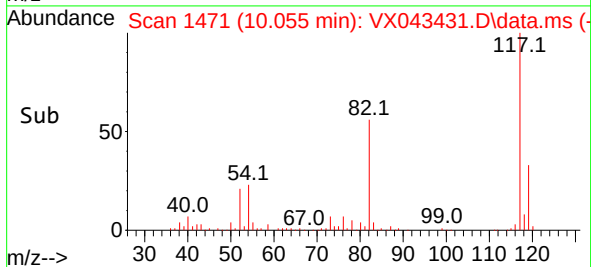
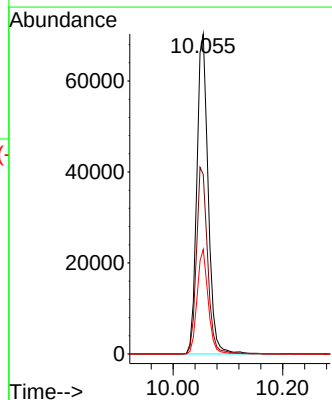
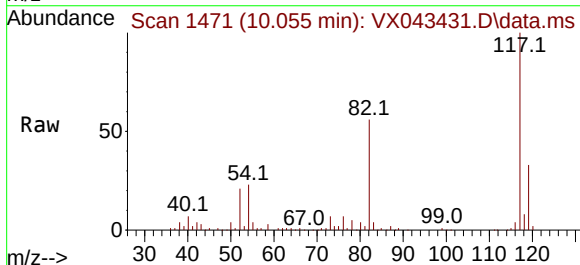
Instrument :
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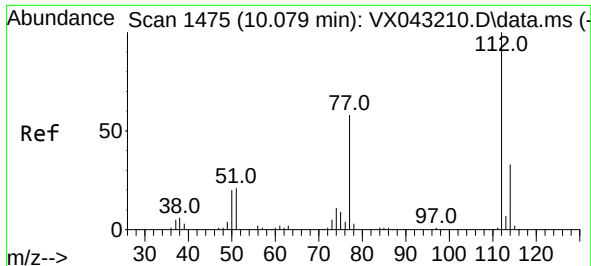
Tgt Ion: 95 Resp: 51337
Ion Ratio Lower Upper
95 100
174 70.3 0.0 145.0
176 68.8 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043431.D
Acq: 18 Oct 2024 14:00

Tgt Ion: 117 Resp: 101497
Ion Ratio Lower Upper
117 100
82 56.1 45.0 67.6
119 32.7 25.3 37.9

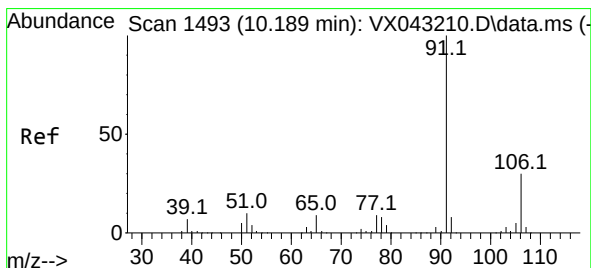
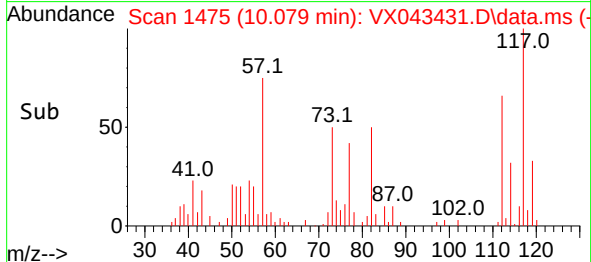
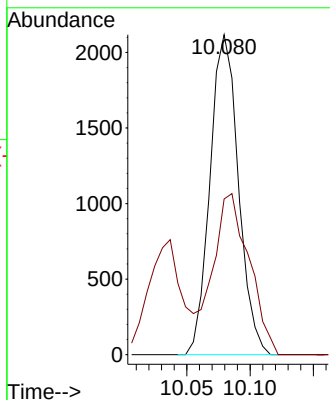
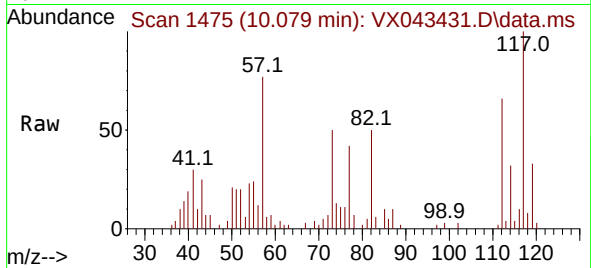




#65
Chlorobenzene
Concen: 1.512 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX043431.D
Acq: 18 Oct 2024 14:00

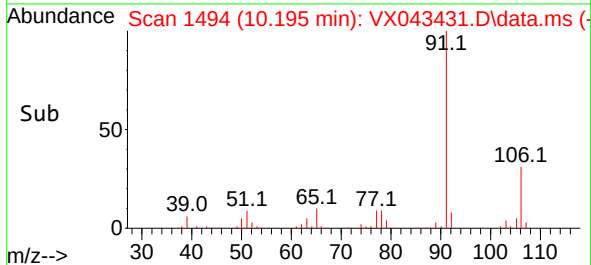
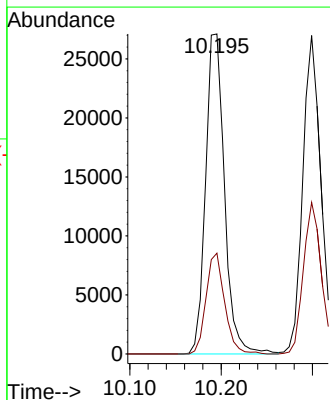
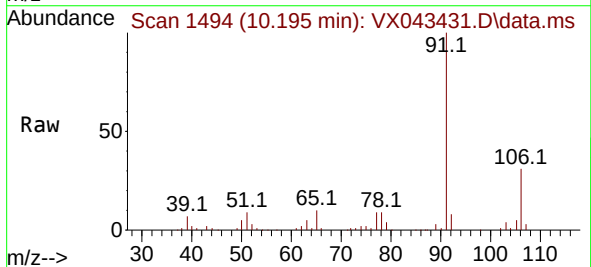
Instrument :
MSVOA_X
ClientSampleId :
241016059-01-VOA

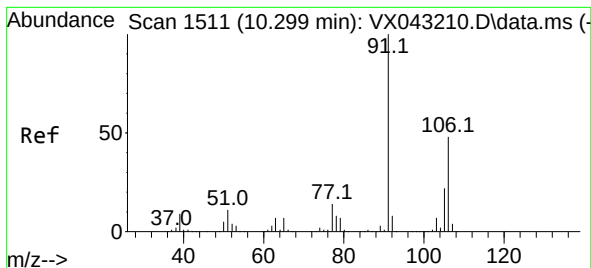
Tgt Ion:112 Resp: 3300
Ion Ratio Lower Upper
112 100
114 48.6 26.4 39.6#



#67
Ethyl Benzene
Concen: 10.346 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX043431.D
Acq: 18 Oct 2024 14:00

Tgt Ion: 91 Resp: 39023
Ion Ratio Lower Upper
91 100
106 31.5 23.9 35.9

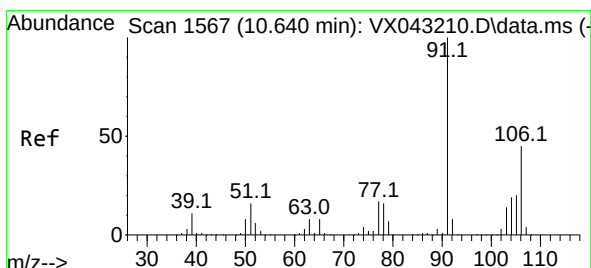
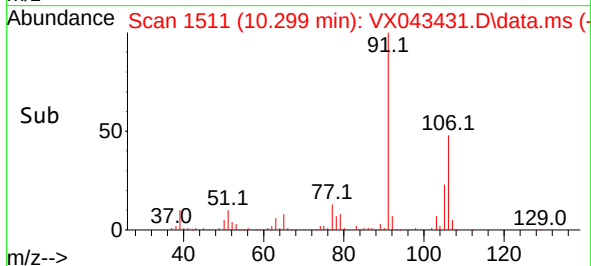
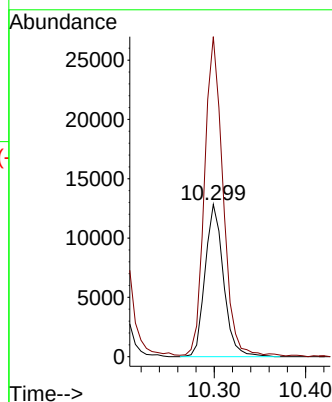
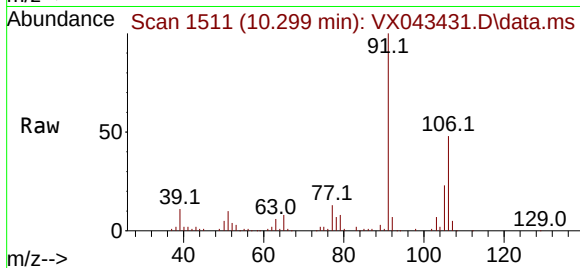




#68
m/p-Xylenes
Concen: 12.608 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043431.D
Acq: 18 Oct 2024 14:00

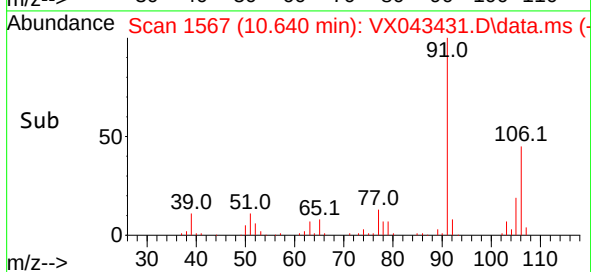
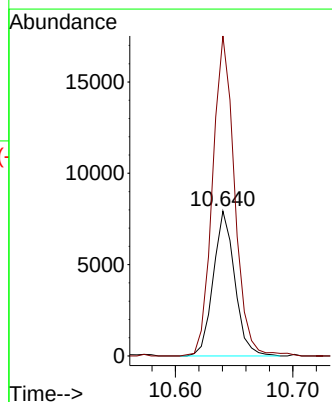
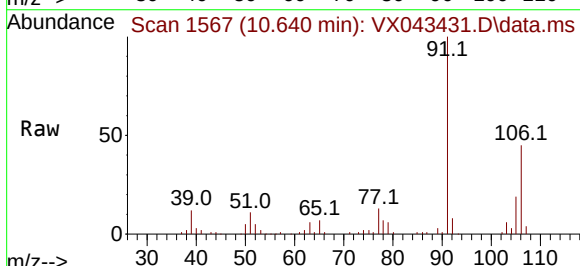
Instrument :
MSVOA_X
ClientSampleId :
241016059-01-VOA

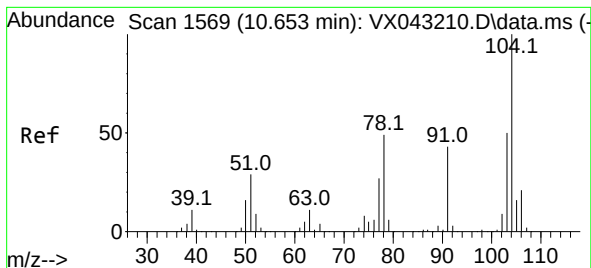
Tgt Ion:106 Resp: 17971
Ion Ratio Lower Upper
106 100
91 210.3 167.0 250.6



#69
o-Xylene
Concen: 7.120 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX043431.D
Acq: 18 Oct 2024 14:00

Tgt Ion:106 Resp: 10085
Ion Ratio Lower Upper
106 100
91 226.7 111.6 334.8





#70

Styrene

Concen: 1.114 ug/l

RT: 10.659 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043431.D

Acq: 18 Oct 2024 14:00

Instrument :

MSVOA_X

ClientSampleId :

241016059-01-VOA

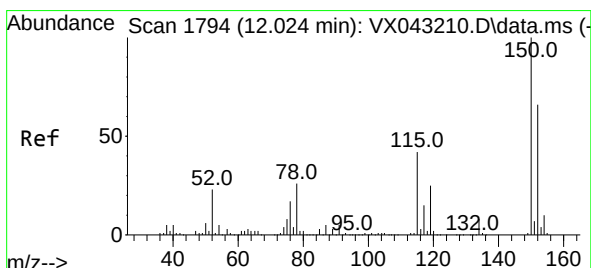
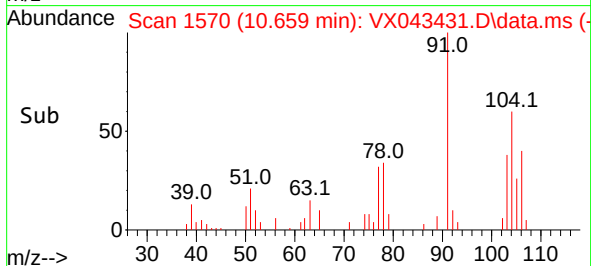
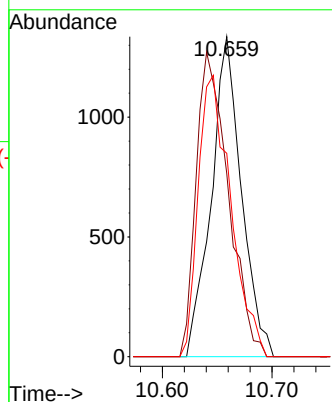
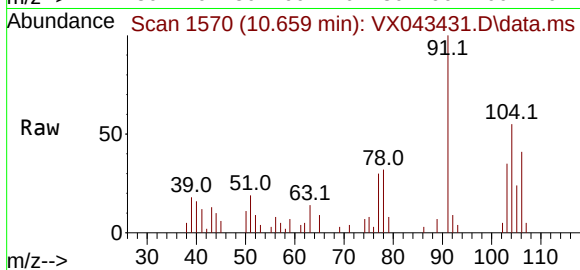
Tgt Ion:104 Resp: 2558

Ion Ratio Lower Upper

104 100

78 101.2 43.5 65.3#

103 94.4 43.9 65.9#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX043431.D

Acq: 18 Oct 2024 14:00

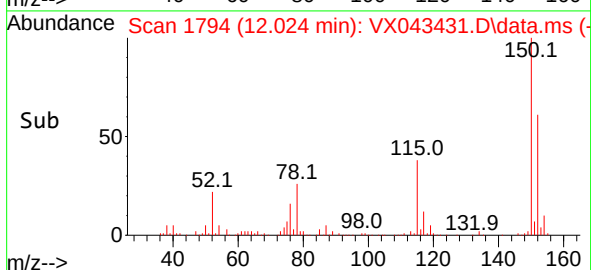
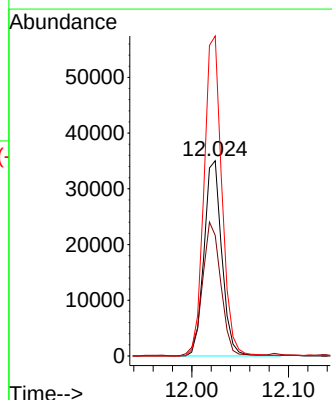
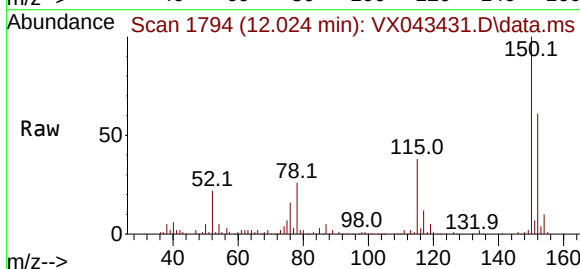
Tgt Ion:152 Resp: 44796

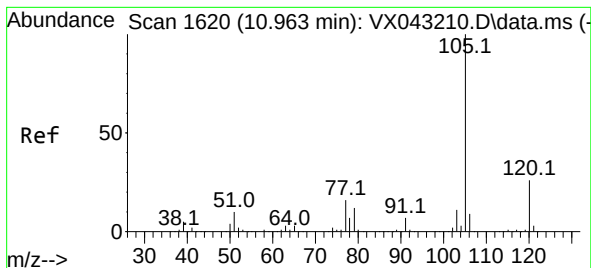
Ion Ratio Lower Upper

152 100

115 70.9 44.1 132.3

150 164.0 0.0 347.4





#73

Isopropylbenzene

Concen: 1.170 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043431.D

Acq: 18 Oct 2024 14:00

Instrument :

MSVOA_X

ClientSampleId :

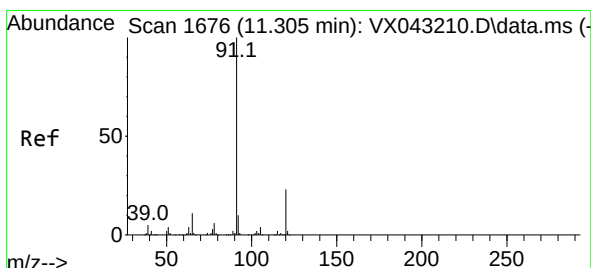
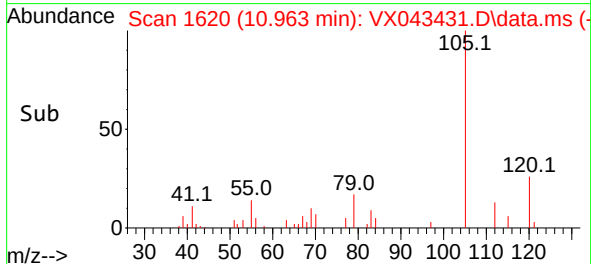
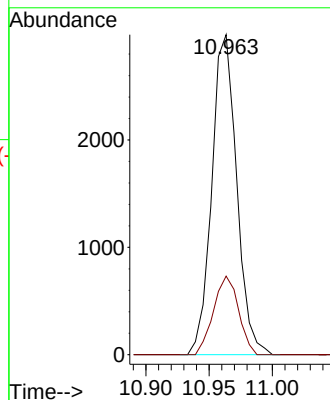
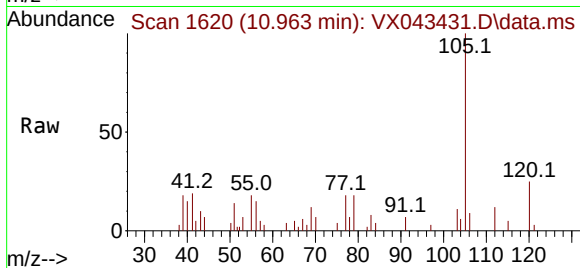
241016059-01-VOA

Tgt Ion:105 Resp: 4076

Ion Ratio Lower Upper

105 100

120 24.6 12.9 38.7



#78

n-propylbenzene

Concen: 0.622 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX043431.D

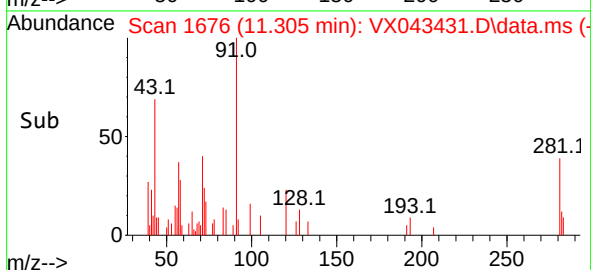
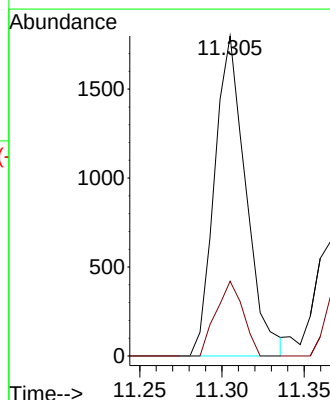
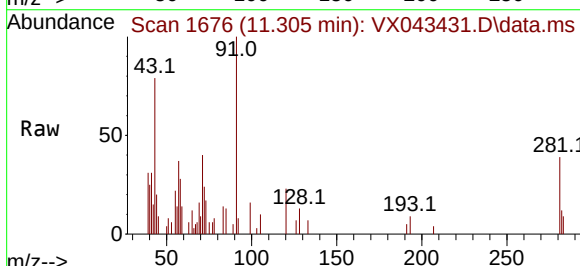
Acq: 18 Oct 2024 14:00

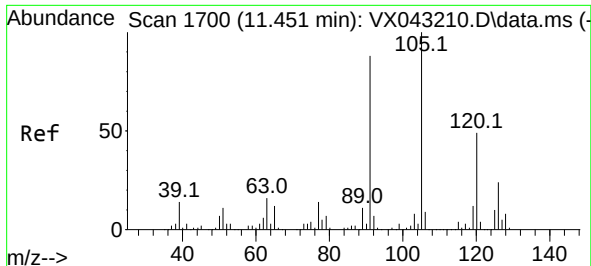
Tgt Ion: 91 Resp: 2380

Ion Ratio Lower Upper

91 100

120 20.3 11.4 34.1

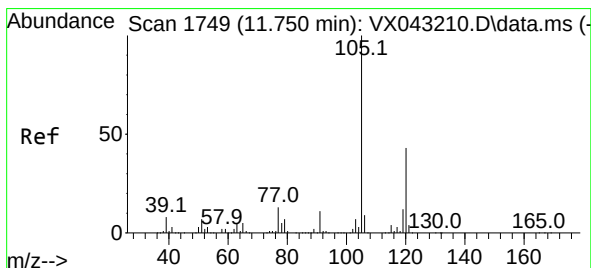
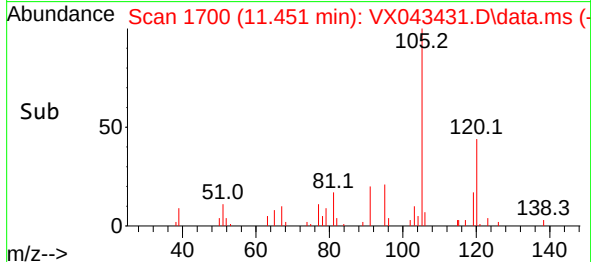
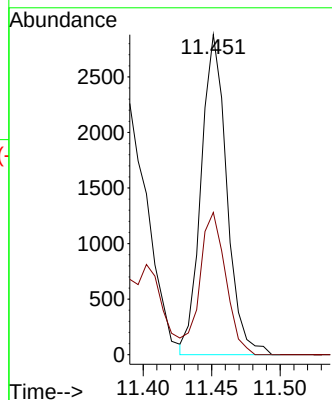
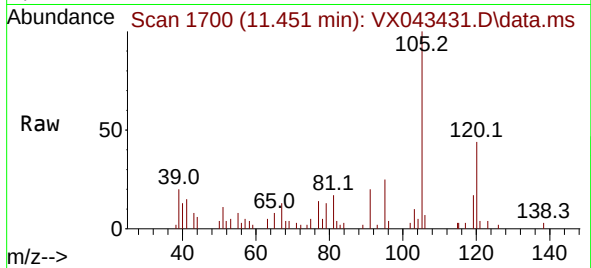




#80
1,3,5-Trimethylbenzene
Concen: 1.306 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043431.D
Acq: 18 Oct 2024 14:00

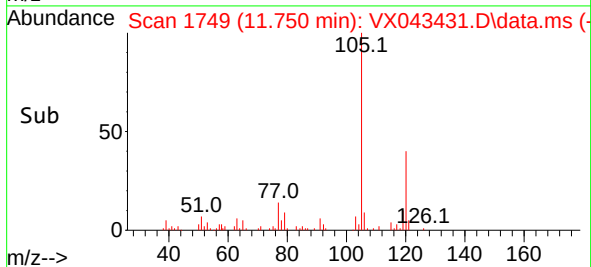
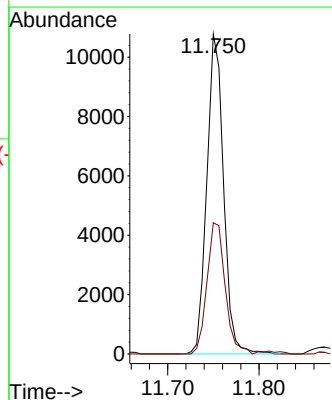
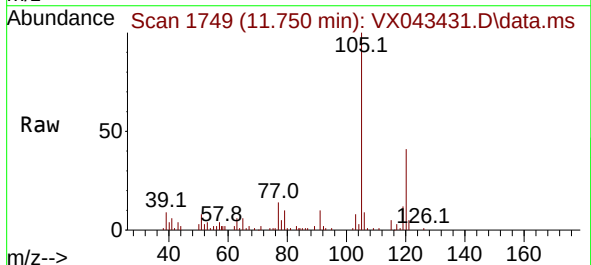
Instrument :
MSVOA_X
ClientSampleId :
241016059-01-VOA

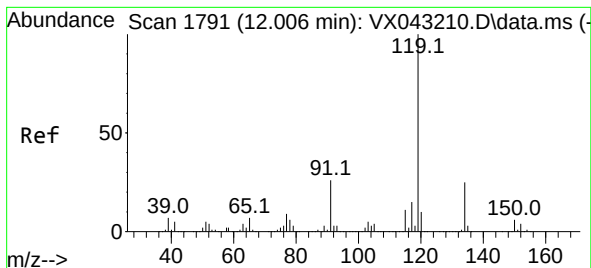
Tgt Ion:105 Resp: 3752
Ion Ratio Lower Upper
105 100
120 44.9 23.9 71.8



#84
1,2,4-Trimethylbenzene
Concen: 4.729 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX043431.D
Acq: 18 Oct 2024 14:00

Tgt Ion:105 Resp: 13669
Ion Ratio Lower Upper
105 100
120 45.0 21.2 63.6





#86

p-Isopropyltoluene

Concen: 9.498 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX043431.D

Acq: 18 Oct 2024 14:00

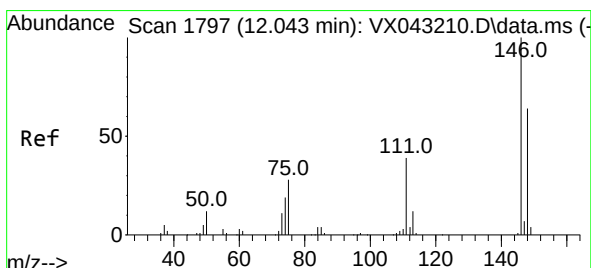
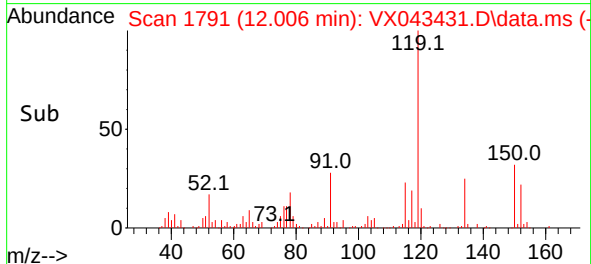
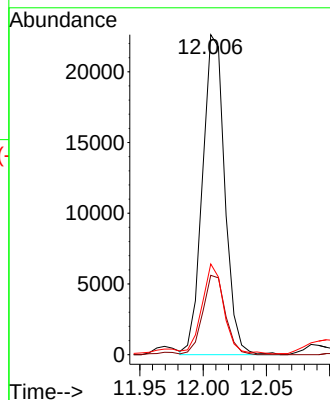
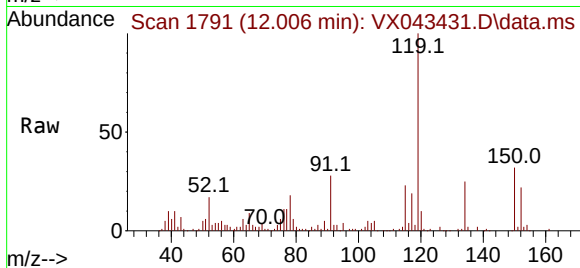
Instrument :

MSVOA_X

ClientSampleId :

241016059-01-VOA

Tgt Ion:119	Resp:	27805
Ion	Ratio	Lower Upper
119	100	
134	25.1	13.0 38.9
91	27.6	13.0 39.0



#88

1,4-Dichlorobenzene

Concen: 3.066 ug/l

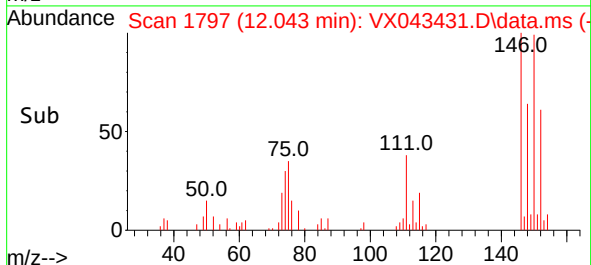
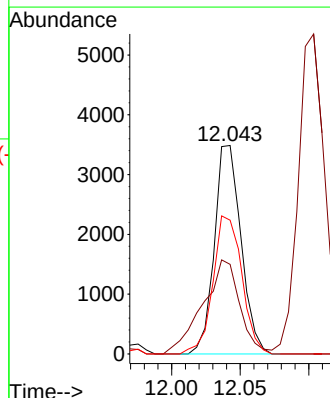
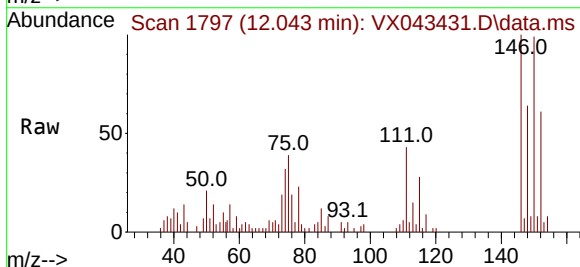
RT: 12.043 min Scan# 1797

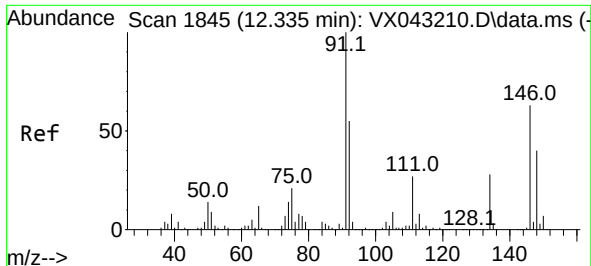
Delta R.T. 0.000 min

Lab File: VX043431.D

Acq: 18 Oct 2024 14:00

Tgt Ion:146	Resp:	4719
Ion	Ratio	Lower Upper
146	100	
111	62.5	20.8 62.5
148	71.6	32.4 97.0

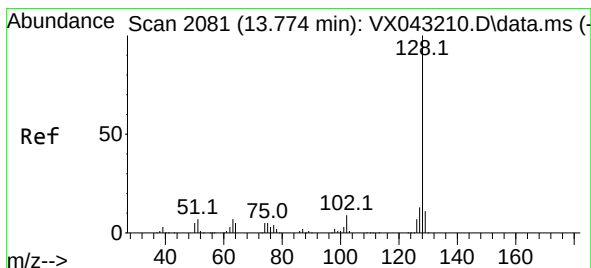
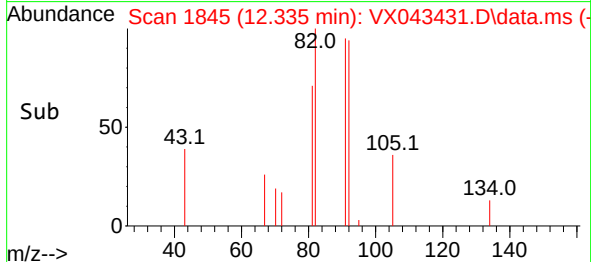
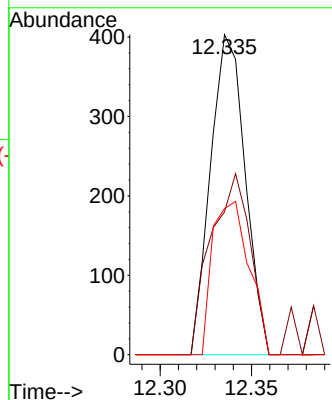
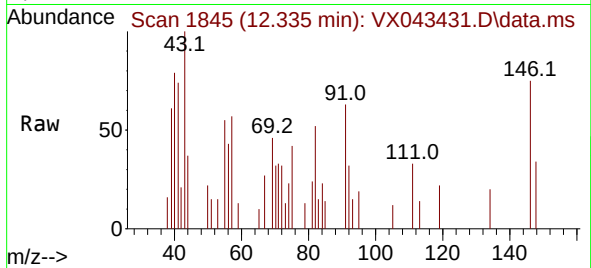




#91
1,2-Dichlorobenzene
Concen: 0.349 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX043431.D
Acq: 18 Oct 2024 14:00

Instrument :
MSVOA_X
ClientSampleId :
241016059-01-VOA

Tgt Ion:146 Resp: 533
Ion Ratio Lower Upper
146 100
111 64.0 21.9 65.5
148 50.7 31.9 95.5



#95
Naphthalene
Concen: 27.210 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX043431.D
Acq: 18 Oct 2024 14:00

Tgt Ion:128 Resp: 88051
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 11.0 8.6 13.0

