

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
 Data File : VX043594.D
 Acq On : 29 Oct 2024 14:06
 Operator : JC/MD
 Sample : P4548-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 30 01:31:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

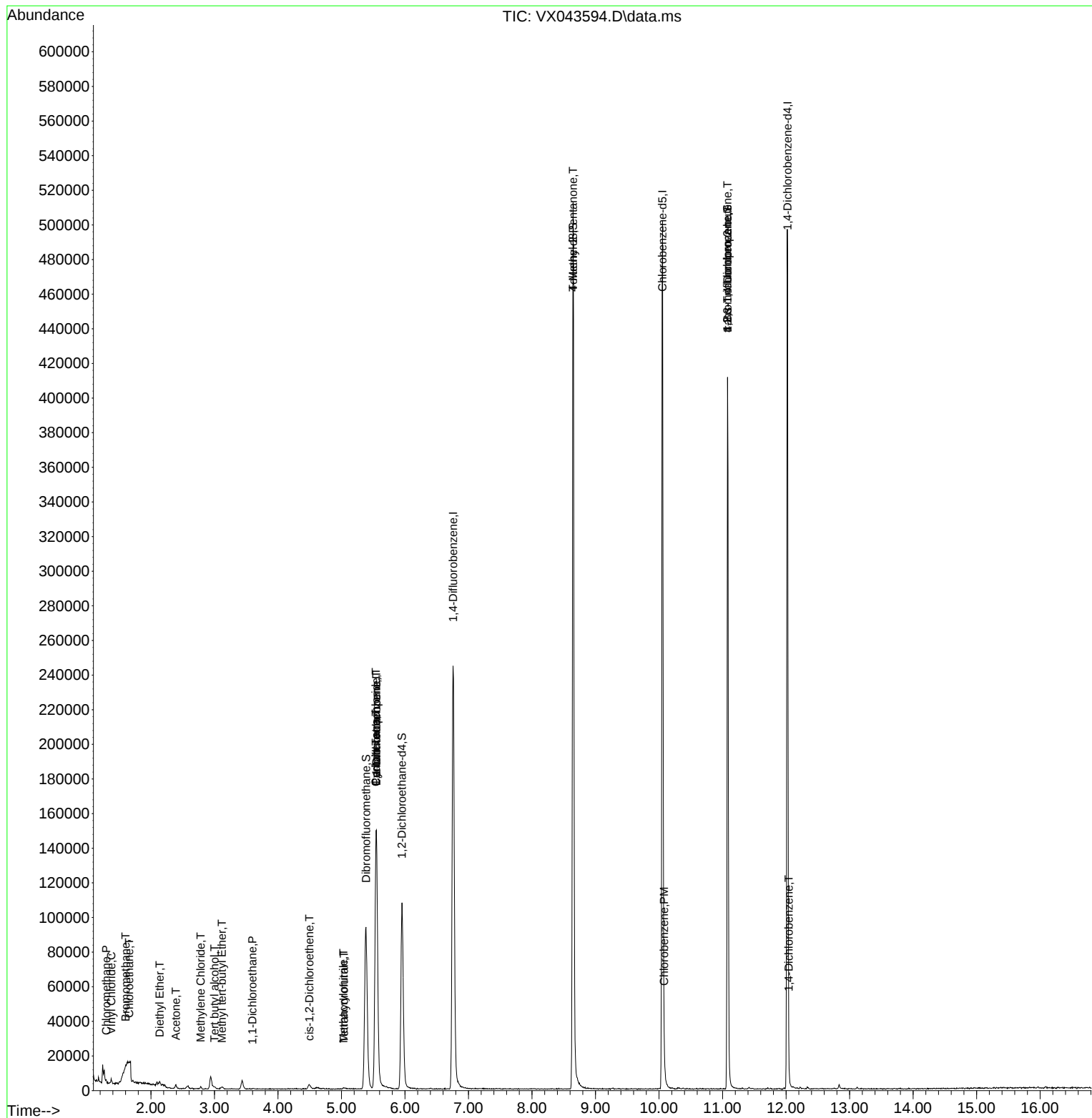
Internal Standards						
1) Pentafluorobenzene	5.550	168	149761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	275286	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	240367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	102170	42.785	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.580%
35) Dibromofluoromethane	5.385	113	85635	45.875	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.740%
50) Toluene-d8	8.647	98	320898	49.660	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.320%
62) 4-Bromofluorobenzene	11.079	95	114189	47.689	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.380%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	414	0.202	ug/l #	61
4) Vinyl Chloride	1.374	62	1134	0.597	ug/l	99
5) Bromomethane	1.599	94	223	0.288	ug/l #	38
6) Chloroethane	1.654	64	323	0.483	ug/l #	69
8) Diethyl Ether	2.136	74	607	0.566	ug/l	77
11) Tert butyl alcohol	3.001	59	1478	3.316	ug/l #	100
16) Acetone	2.392	43	1991	2.100	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	1436	0.235	ug/l	98
20) Methylene Chloride	2.782	84	442	0.216	ug/l #	67
24) 1,1-Dichloroethane	3.599	63	765	0.232	ug/l #	82
27) cis-1,2-Dichloroethene	4.495	96	1940	0.896	ug/l	89
29) Tetrahydrofuran	5.038	42	515	0.573	ug/l #	62
31) Cyclohexane	5.544	56	2990	1.186	ug/l #	7
36) 1,1-Dichloropropene	5.550	75	11849	5.353	ug/l #	49
38) Carbon Tetrachloride	5.544	117	15260	6.239	ug/l #	16
41) Methacrylonitrile	5.031	41	390	0.276	ug/l #	27
51) 4-Methyl-2-Pentanone	8.647	43	1402	0.518	ug/l #	1
65) Chlorobenzene	10.079	112	4463	0.863	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	55385	24.240	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	55385	66.684	ug/l #	7
88) 1,4-Dichlorobenzene	12.042	146	1089	0.300	ug/l #	48

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

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ALS Vial : 1 Sample Multiplier: 1

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ClientSampleId :

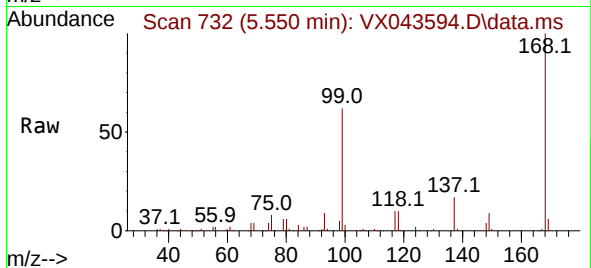
Quant Time: Oct 30 01:31:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



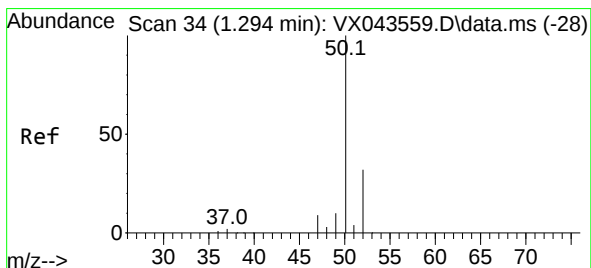
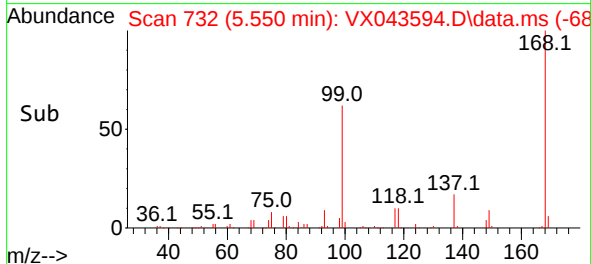
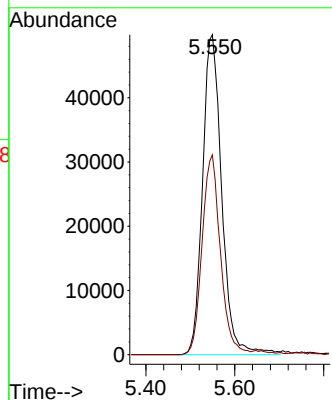


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Instrument :
MSVOA_X
ClientSampleId :

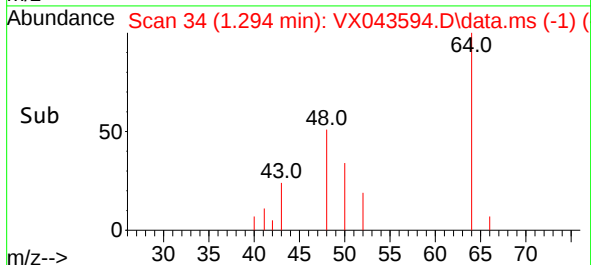
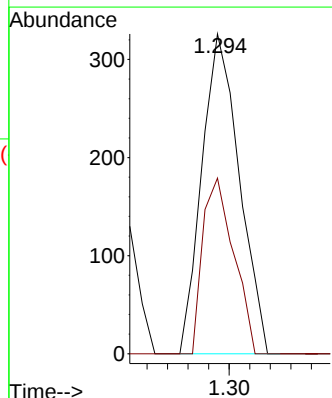
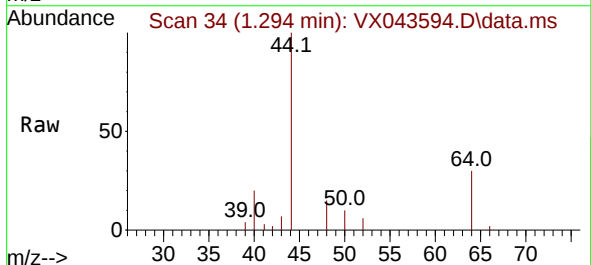


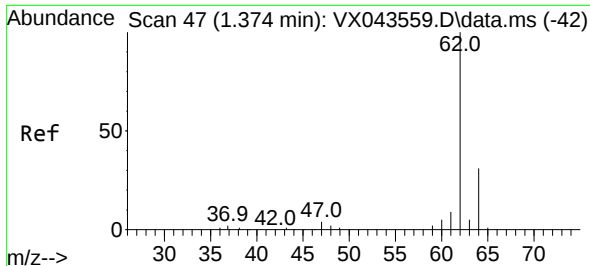
Tgt Ion:168 Resp: 149761
Ion Ratio Lower Upper
168 100
99 62.4 52.6 78.8



#3
Chloromethane
Concen: 0.202 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

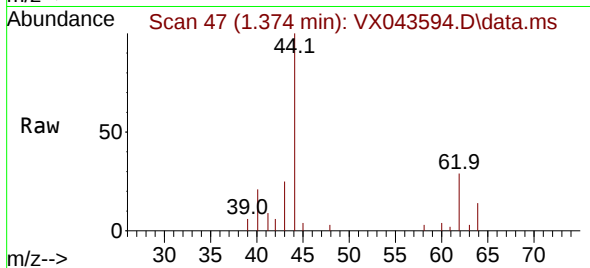
Tgt Ion: 50 Resp: 414
Ion Ratio Lower Upper
50 100
52 54.9 26.3 39.5#



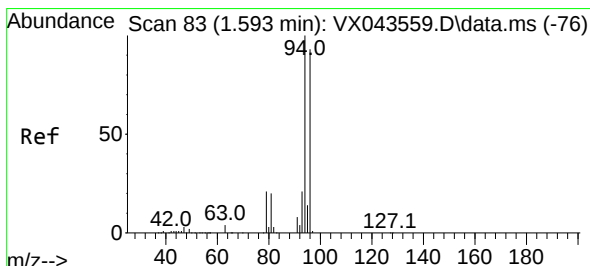
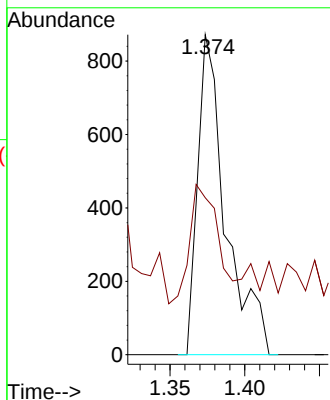
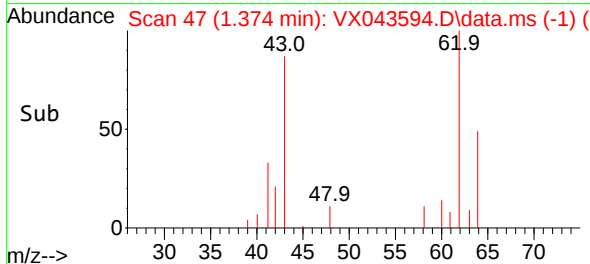


#4
Vinyl Chloride
Concen: 0.597 ug/l
RT: 1.374 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Instrument :
MSVOA_X
ClientSampleId :

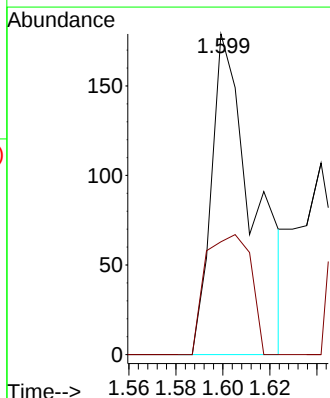
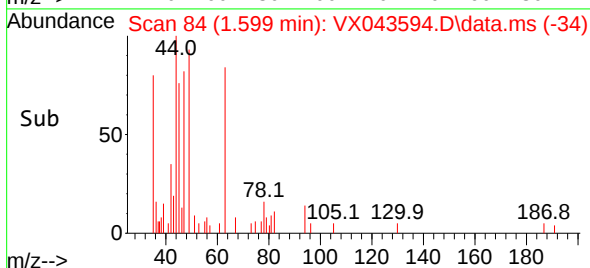
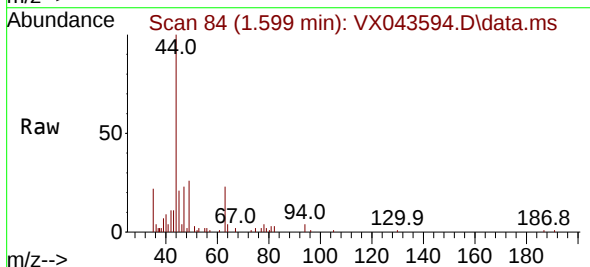


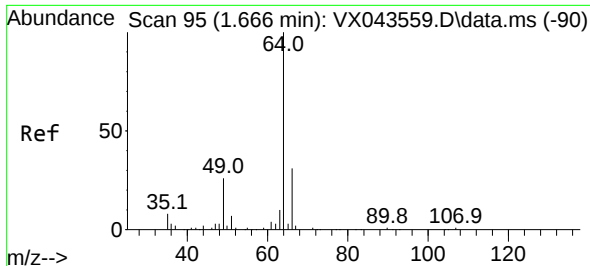
Tgt Ion: 62 Resp: 1134
Ion Ratio Lower Upper
62 100
64 30.7 25.0 37.4



#5
Bromomethane
Concen: 0.288 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Tgt Ion: 94 Resp: 223
Ion Ratio Lower Upper
94 100
96 35.2 75.9 113.9#

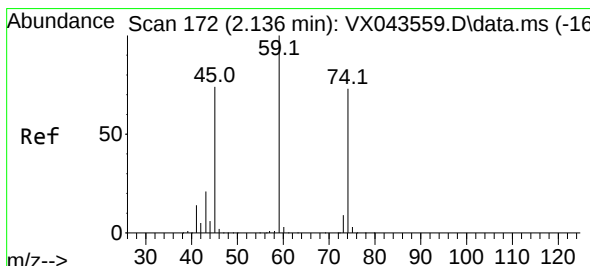
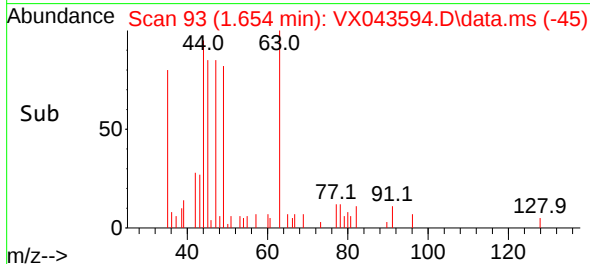
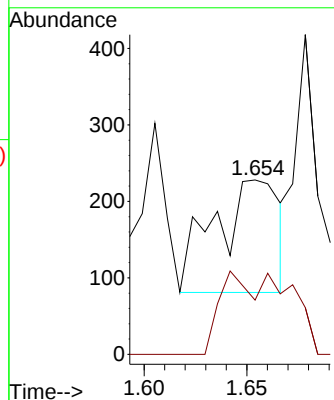
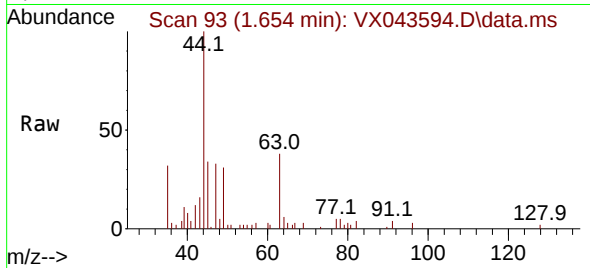




#6
Chloroethane
Concen: 0.483 ug/l
RT: 1.654 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

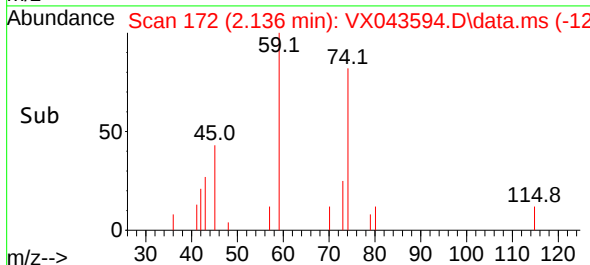
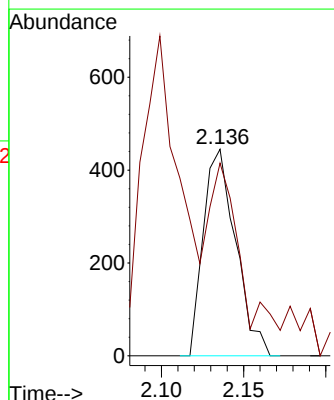
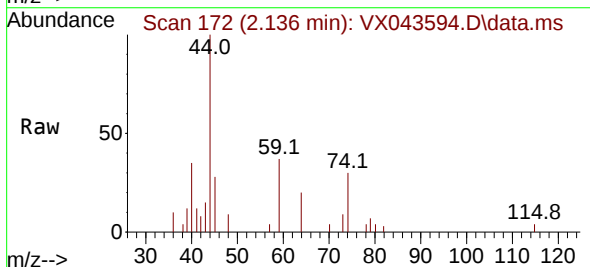
Instrument :
MSVOA_X
ClientSampleId :

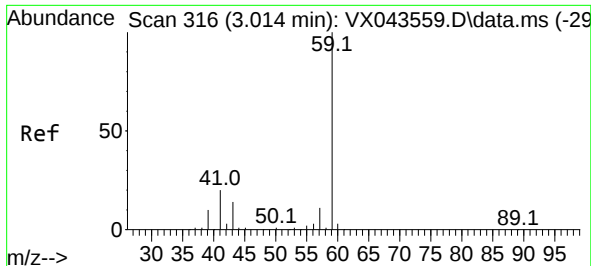
Tgt Ion: 64 Resp: 323
Ion Ratio Lower Upper
64 100
66 48.3 25.1 37.7#



#8
Diethyl Ether
Concen: 0.566 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Tgt Ion: 74 Resp: 607
Ion Ratio Lower Upper
74 100
45 72.8 47.5 142.5





#11

Tert butyl alcohol

Concen: 3.316 ug/l

RT: 3.001 min Scan# 31

Delta R.T. -0.049 min

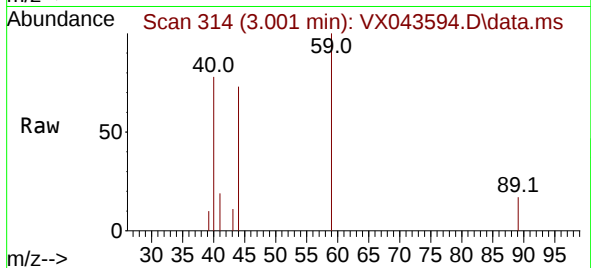
Lab File: VX043594.D

Acq: 29 Oct 2024 14:06

Instrument :

MSVOA_X

ClientSampleId :

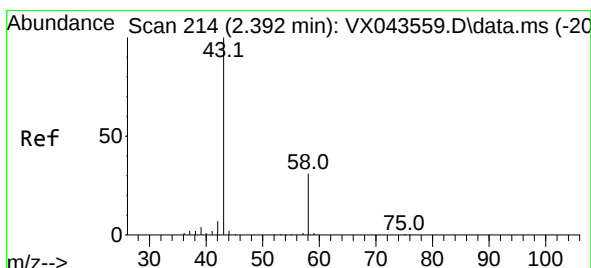
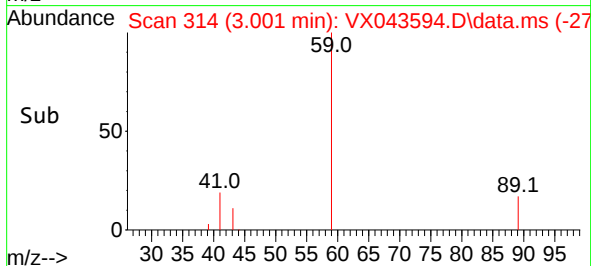
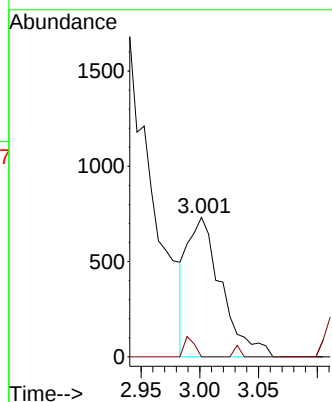


Tgt Ion: 59 Resp: 1478

Ion Ratio Lower Upper

59 100

57 4.3 0.0 0.0#



#16

Acetone

Concen: 2.100 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX043594.D

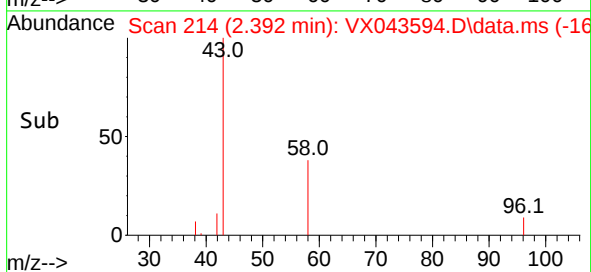
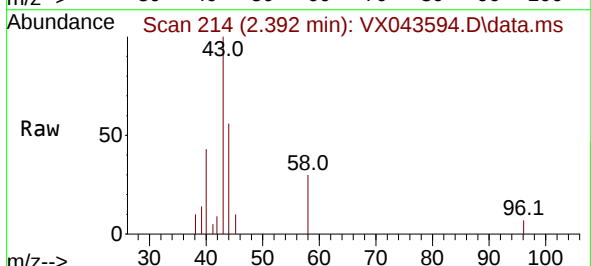
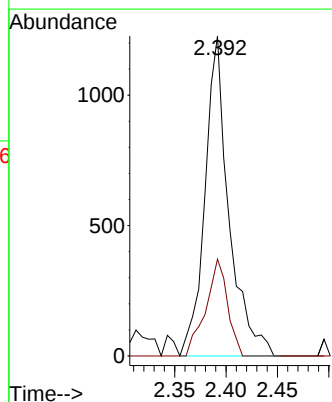
Acq: 29 Oct 2024 14:06

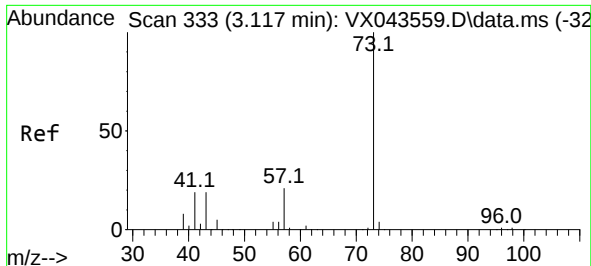
Tgt Ion: 43 Resp: 1991

Ion Ratio Lower Upper

43 100

58 30.2 25.1 37.7

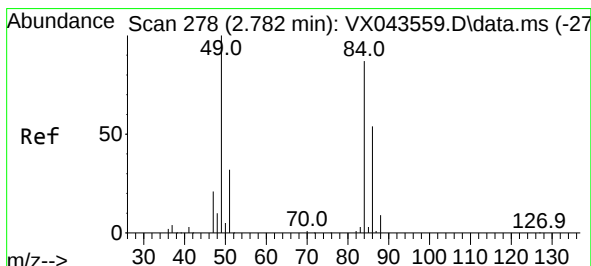
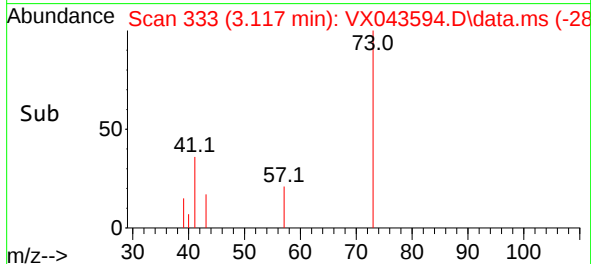
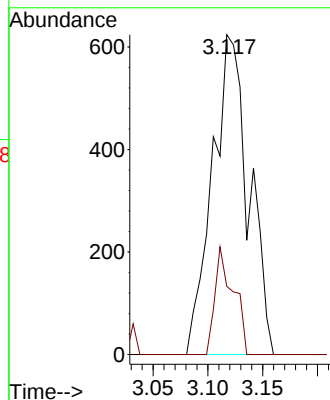
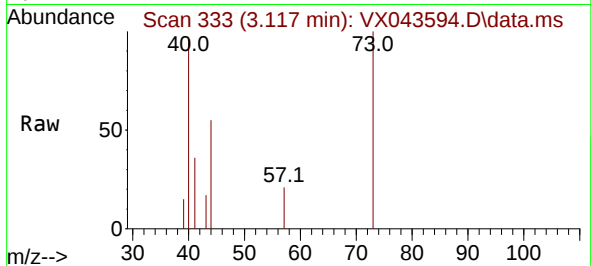




#19
Methyl tert-butyl Ether
Concen: 0.235 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

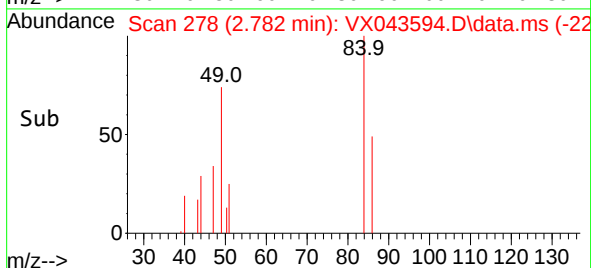
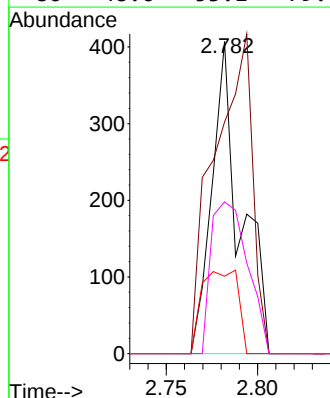
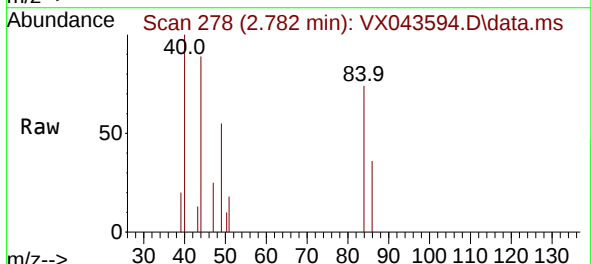
Instrument :
MSVOA_X
ClientSampleId :

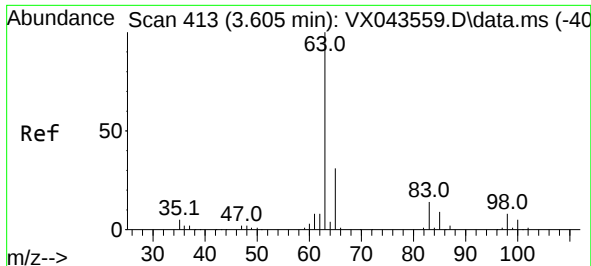
Tgt Ion: 73 Resp: 1436
Ion Ratio Lower Upper
73 100
57 21.3 17.7 26.5



#20
Methylene Chloride
Concen: 0.216 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Tgt Ion: 84 Resp: 442
Ion Ratio Lower Upper
84 100
49 74.2 97.0 145.6#
51 24.8 29.8 44.8#
86 48.6 53.1 79.7#

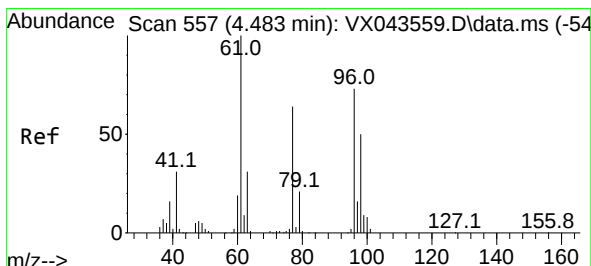
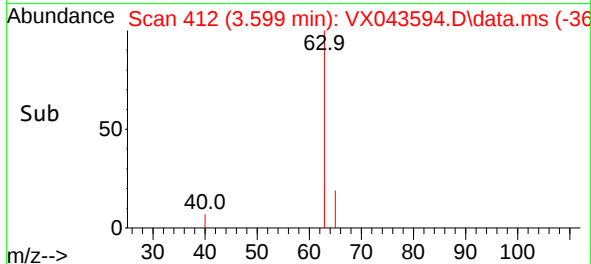
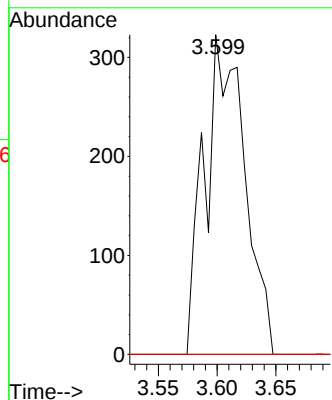
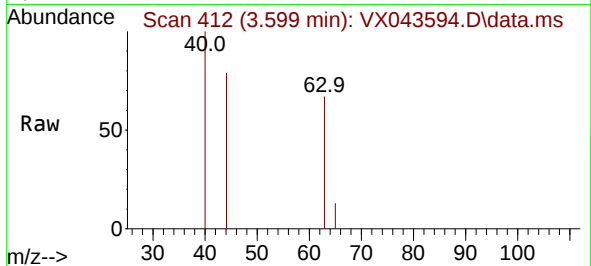




#24
 1,1-Dichloroethane
 Concen: 0.232 ug/l
 RT: 3.599 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX043594.D
 Acq: 29 Oct 2024 14:06

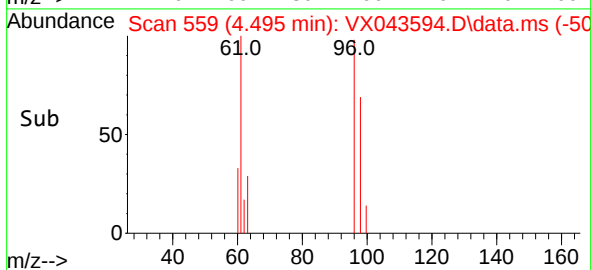
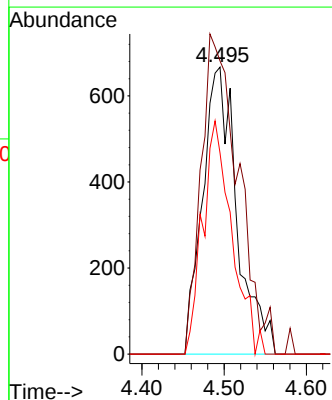
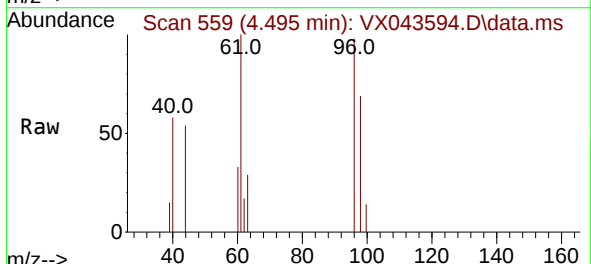
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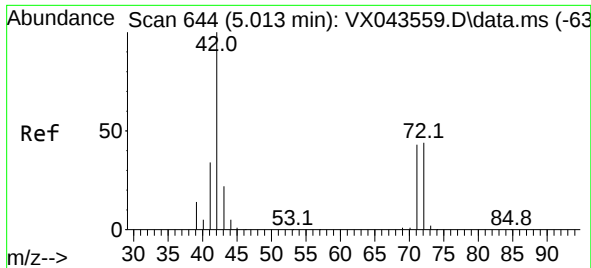
Tgt Ion: 63 Resp: 765
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.5 10.4#
 100 0.0 2.4 7.2#



#27
 cis-1,2-Dichloroethene
 Concen: 0.896 ug/l
 RT: 4.495 min Scan# 559
 Delta R.T. 0.012 min
 Lab File: VX043594.D
 Acq: 29 Oct 2024 14:06

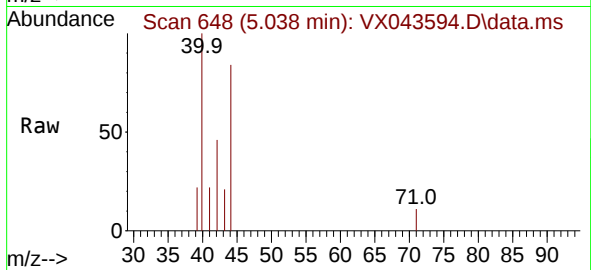
Tgt Ion: 96 Resp: 1940
 Ion Ratio Lower Upper
 96 100
 61 120.4 0.0 277.2
 98 69.0 0.0 131.6



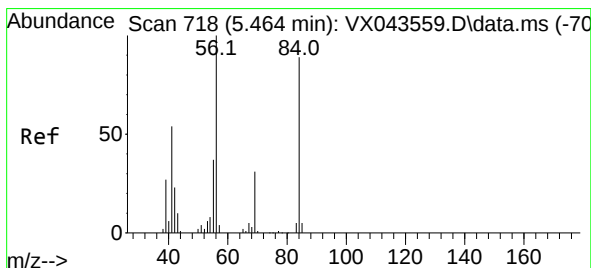
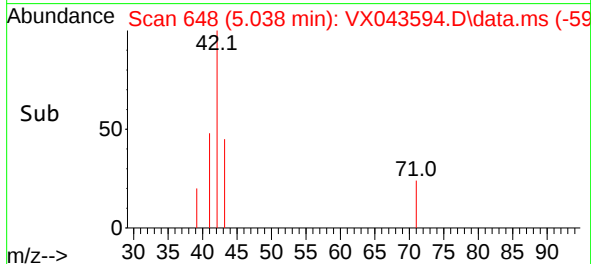
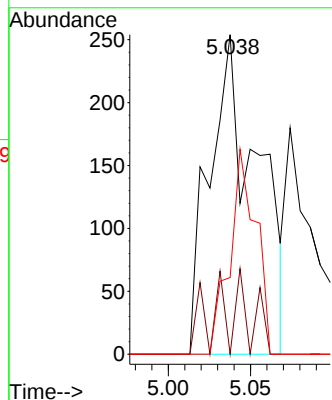


#29
Tetrahydrofuran
Concen: 0.573 ug/l
RT: 5.038 min Scan# 644
Delta R.T. 0.024 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Instrument :
MSVOA_X
ClientSampleId :

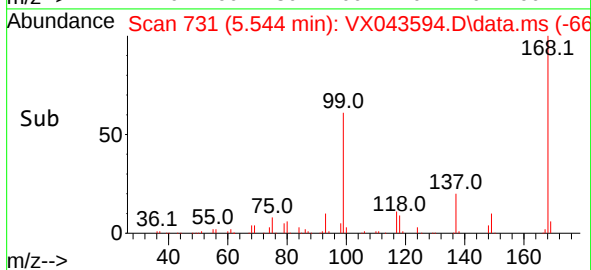
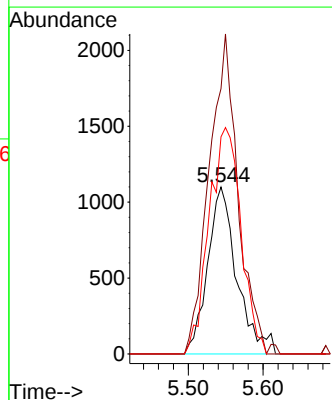
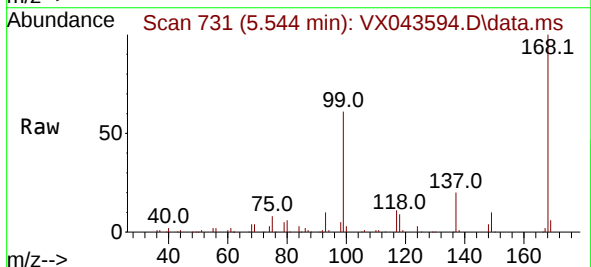


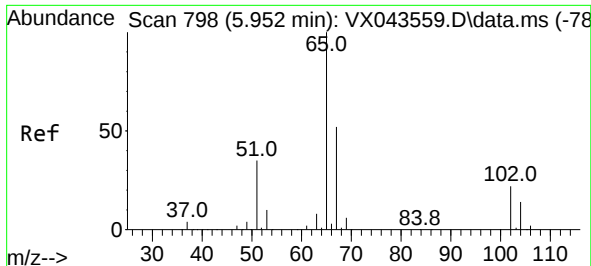
Tgt Ion: 42 Resp: 515
Ion Ratio Lower Upper
42 100
72 4.7 36.6 55.0#
71 35.0 34.2 51.4



#31
Cyclohexane
Concen: 1.186 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Tgt Ion: 56 Resp: 2990
Ion Ratio Lower Upper
56 100
69 159.1 24.9 37.3#
84 135.6 73.3 109.9#

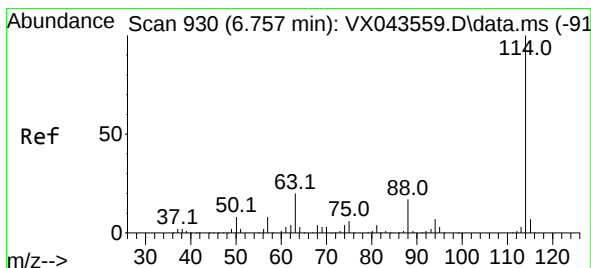
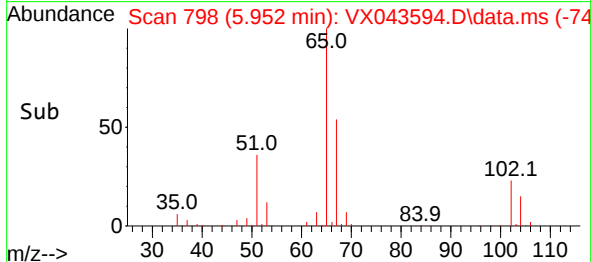
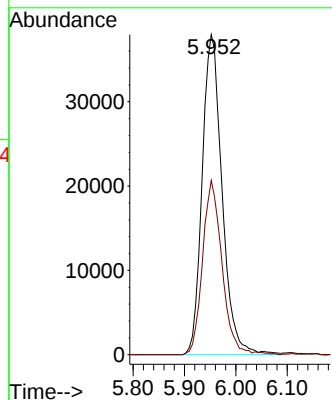
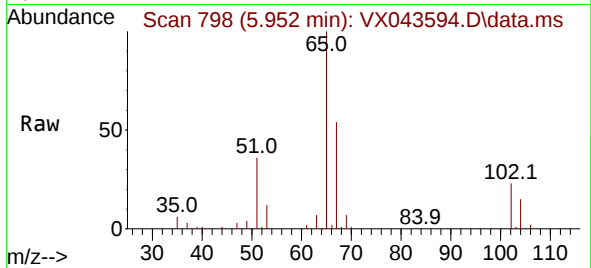




#33
 1,2-Dichloroethane-d4
 Concen: 42.785 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX043594.D
 Acq: 29 Oct 2024 14:06

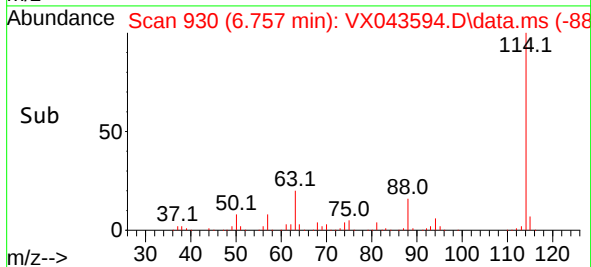
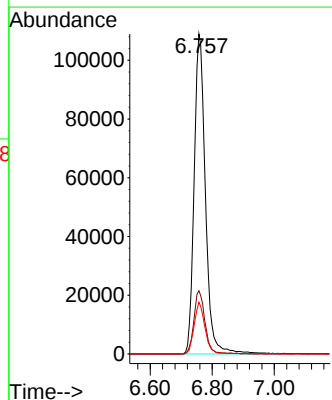
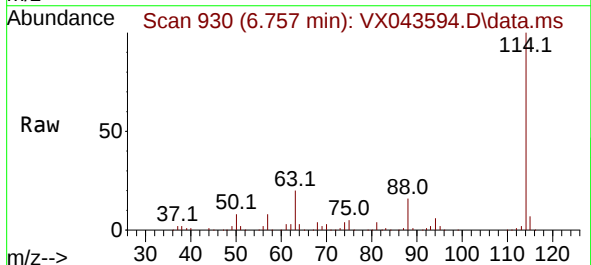
Instrument :
 MSVOA_X
 ClientSampleId :

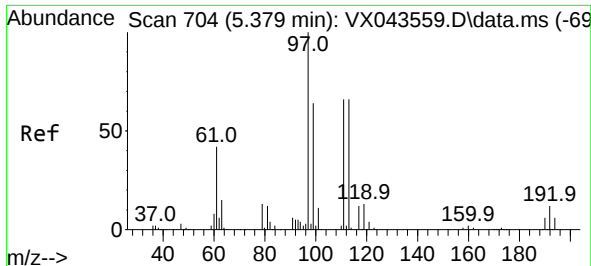
Tgt Ion: 65 Resp: 102170
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX043594.D
 Acq: 29 Oct 2024 14:06

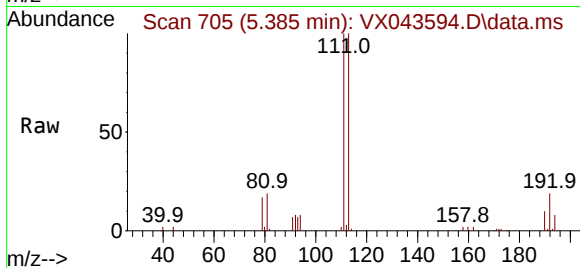
Tgt Ion: 114 Resp: 275286
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.2
 88 16.1 0.0 34.0



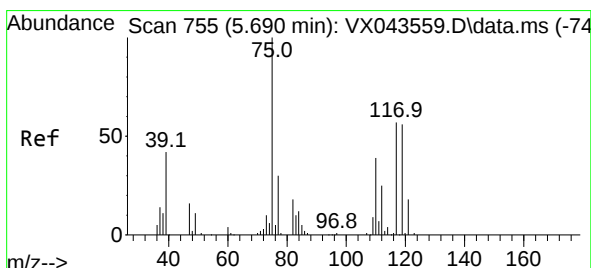
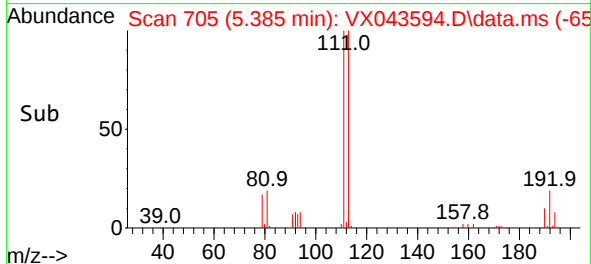
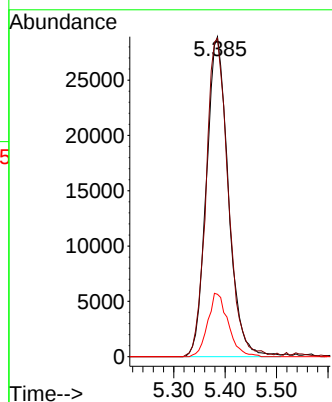


#35
Dibromofluoromethane
Concen: 45.875 ug/l
RT: 5.385 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Instrument :
MSVOA_X
ClientSampleId :

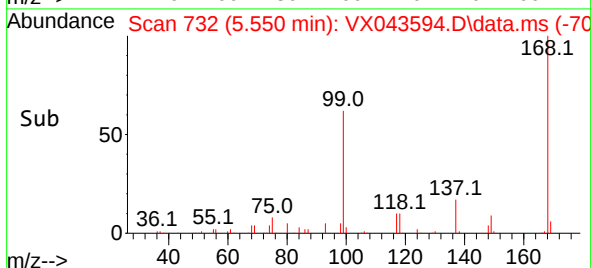
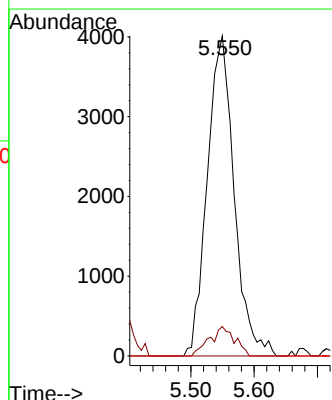
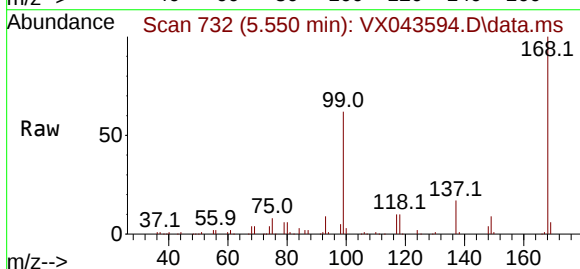


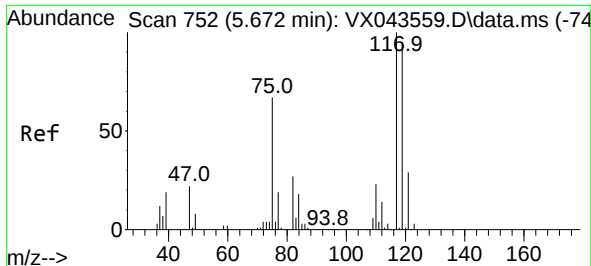
Tgt Ion:113 Resp: 85635
Ion Ratio Lower Upper
113 100
111 100.5 81.4 122.0
192 18.6 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.353 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

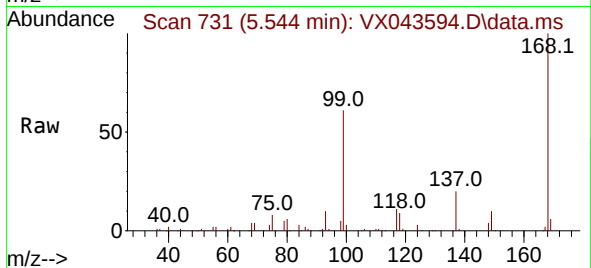
Tgt Ion: 75 Resp: 11849
Ion Ratio Lower Upper
75 100
110 8.6 17.9 53.7#
77 0.0 25.0 37.4#



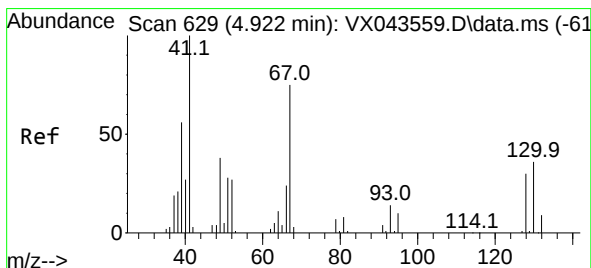
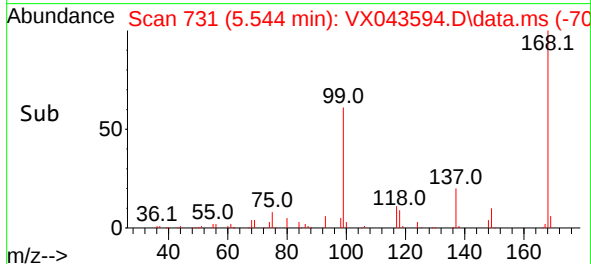
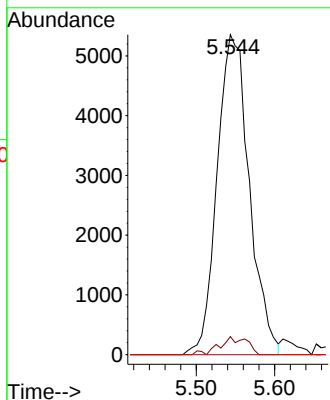


#38
Carbon Tetrachloride
Concen: 6.239 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Instrument :
MSVOA_X
ClientSampleId :

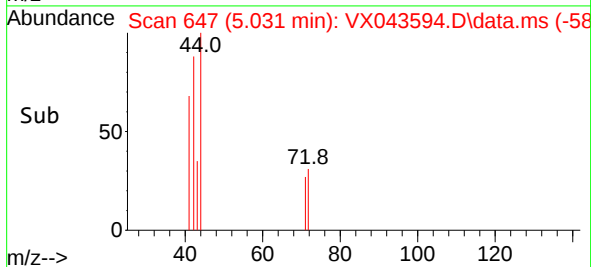
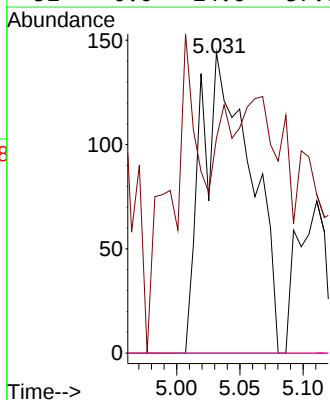
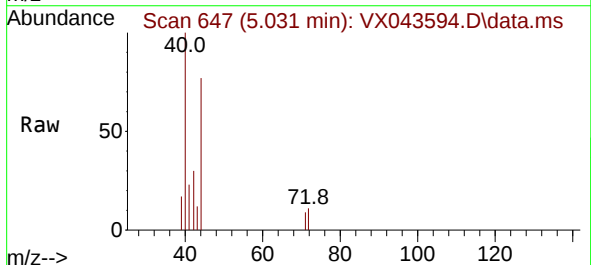


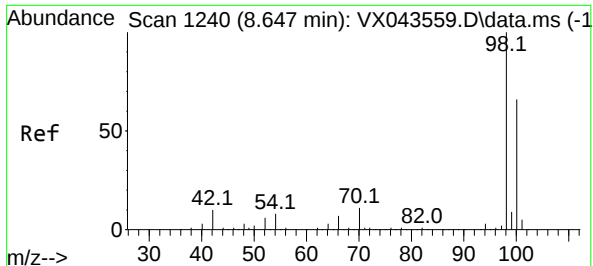
Tgt Ion:117 Resp: 15260
Ion Ratio Lower Upper
117 100
119 5.6 77.0 115.6#
121 0.0 24.7 37.1#



#41
Methacrylonitrile
Concen: 0.276 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Tgt Ion: 41 Resp: 390
Ion Ratio Lower Upper
41 100
39 8.7 43.5 65.3#
67 0.0 58.3 87.5#
52 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 49.660 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043594.D

Acq: 29 Oct 2024 14:06

Instrument :

MSVOA_X

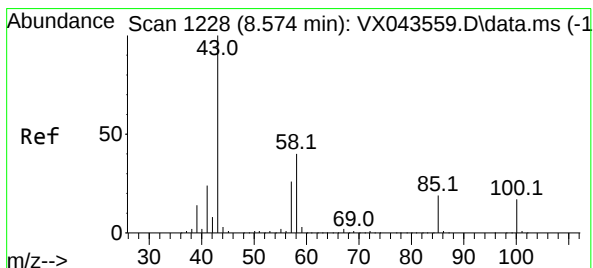
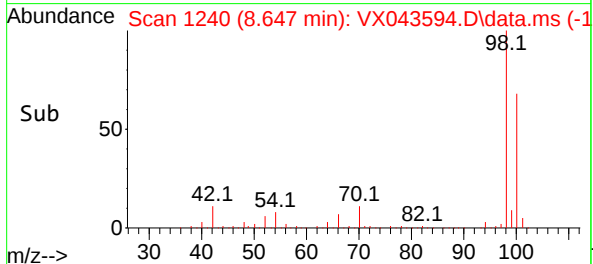
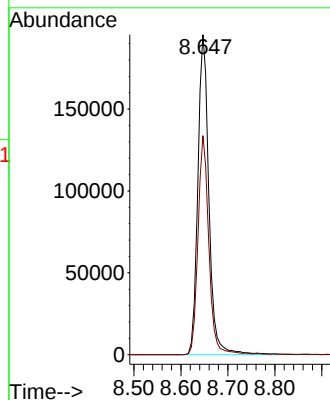
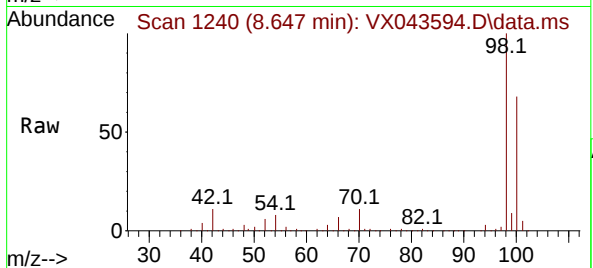
ClientSampleId :

Tgt Ion: 98 Resp: 320898

Ion Ratio Lower Upper

98 100

100 67.2 53.4 80.2



#51

4-Methyl-2-Pentanone

Concen: 0.518 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.067 min

Lab File: VX043594.D

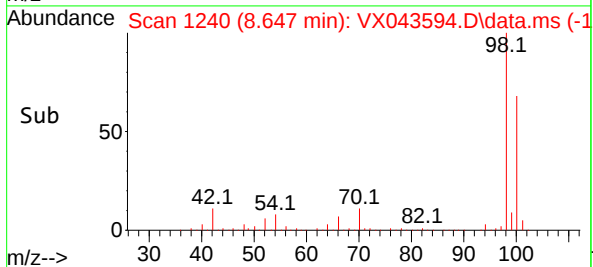
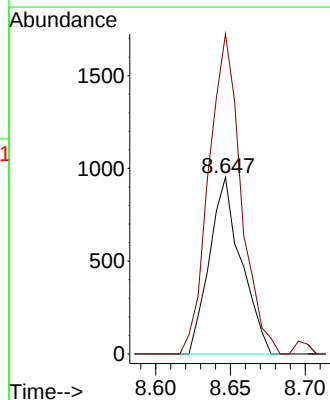
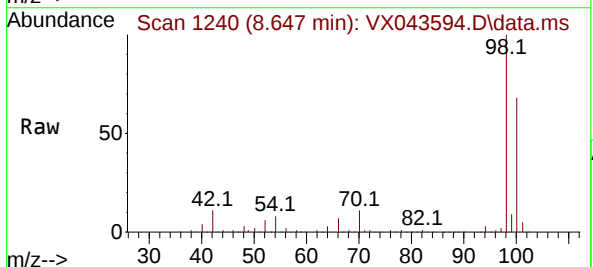
Acq: 29 Oct 2024 14:06

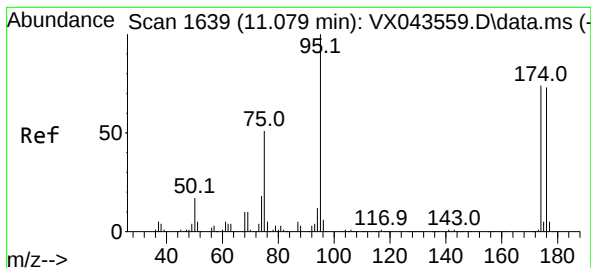
Tgt Ion: 43 Resp: 1402

Ion Ratio Lower Upper

43 100

58 185.0 31.7 47.5#

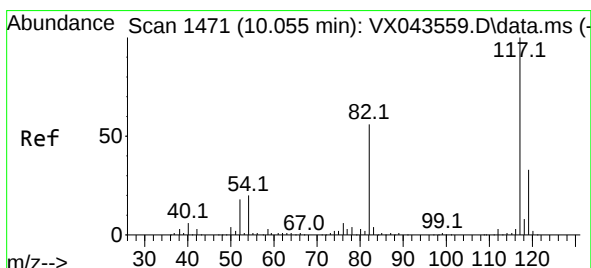
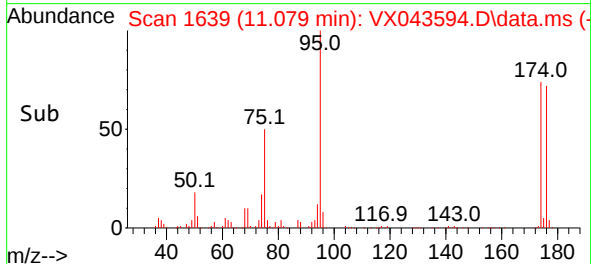
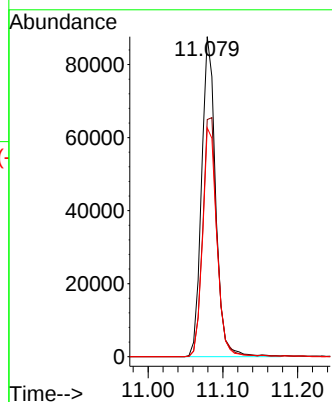
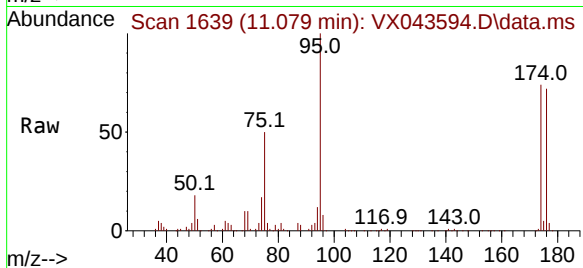




#62
4-Bromofluorobenzene
Concen: 47.689 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

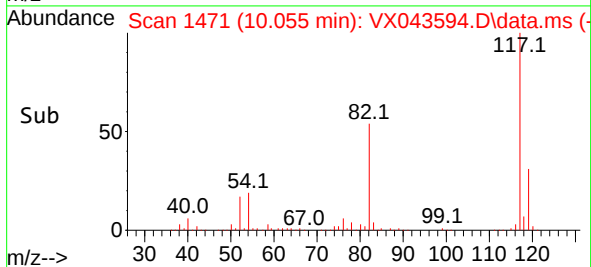
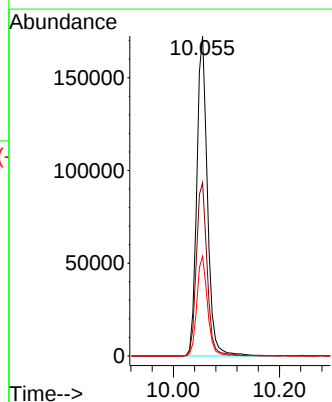
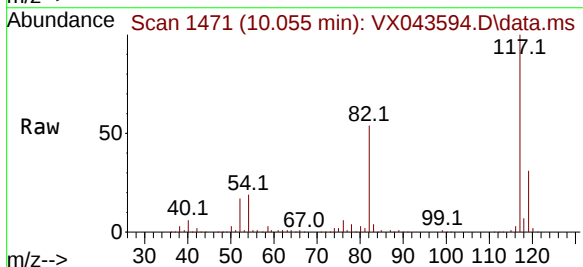
Instrument :
MSVOA_X
ClientSampleId :

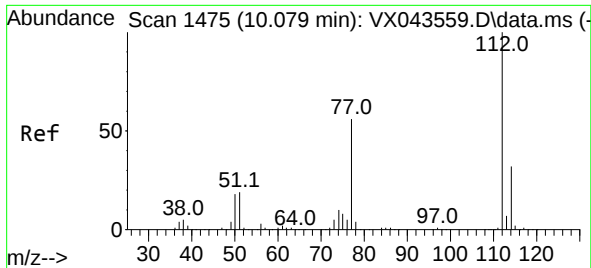
Tgt Ion: 95 Resp: 114189
Ion Ratio Lower Upper
95 100
174 76.3 0.0 146.6
176 72.9 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Tgt Ion: 117 Resp: 240367
Ion Ratio Lower Upper
117 100
82 54.1 42.1 63.1
119 31.2 25.4 38.2

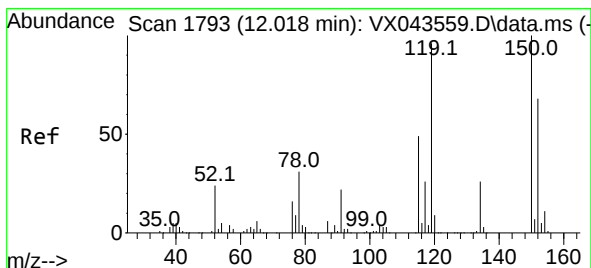
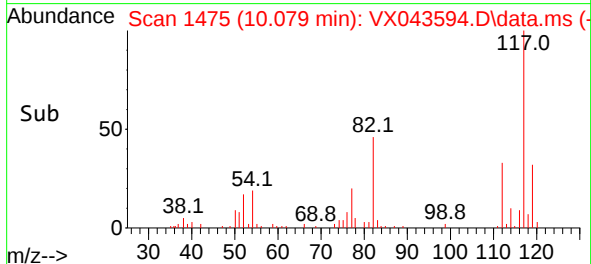
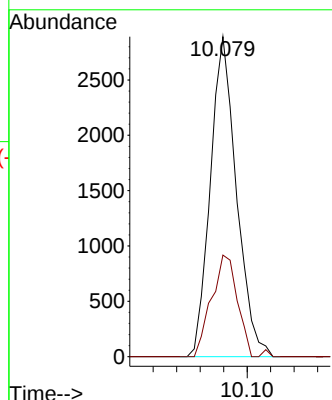
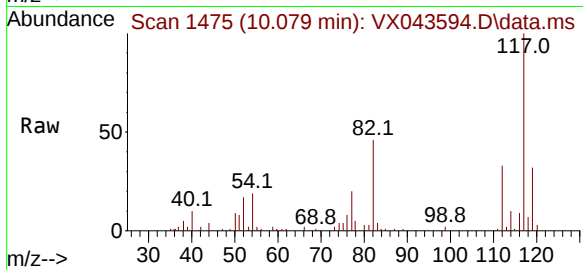




#65
Chlorobenzene
Concen: 0.863 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

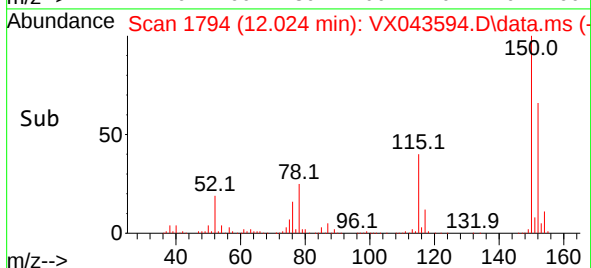
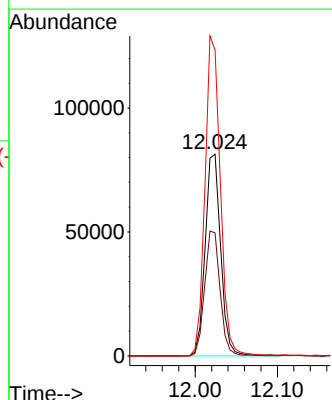
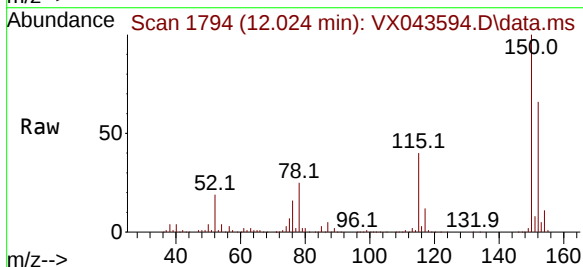
Instrument :
MSVOA_X
ClientSampleId :

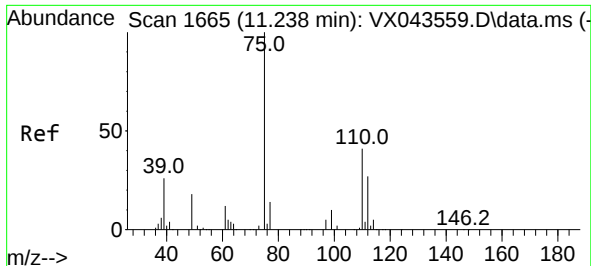
Tgt Ion:112 Resp: 4463
Ion Ratio Lower Upper
112 100
114 31.8 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Tgt Ion:152 Resp: 106864
Ion Ratio Lower Upper
152 100
115 61.7 42.9 128.7
150 156.6 0.0 343.6

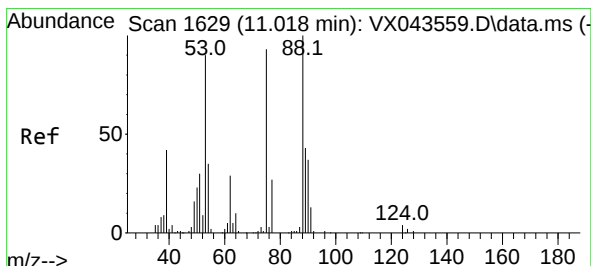
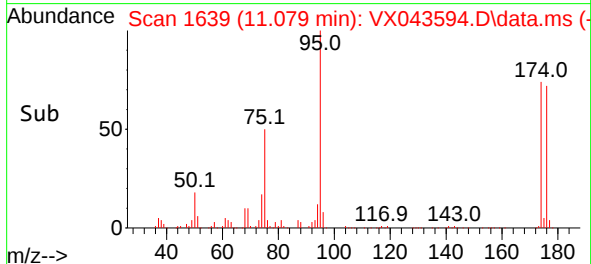
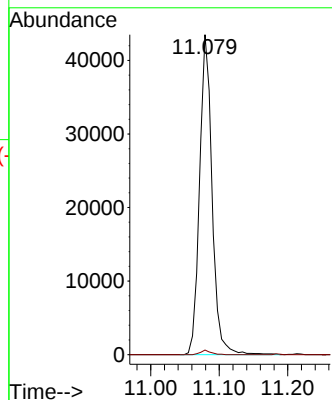
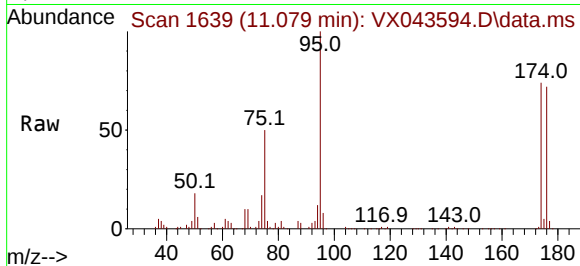




#76
1,2,3-Trichloropropane
Concen: 24.240 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

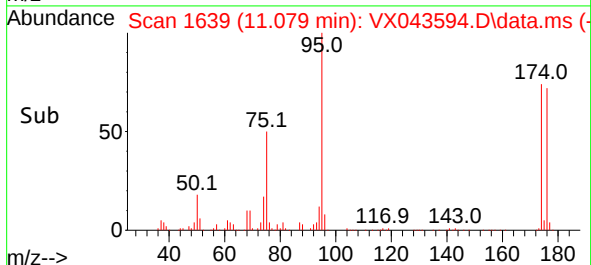
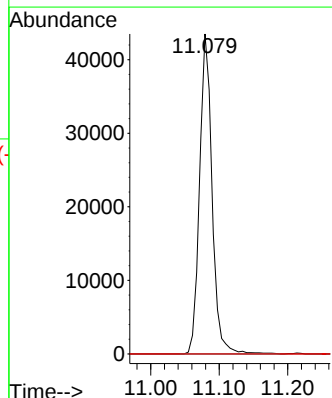
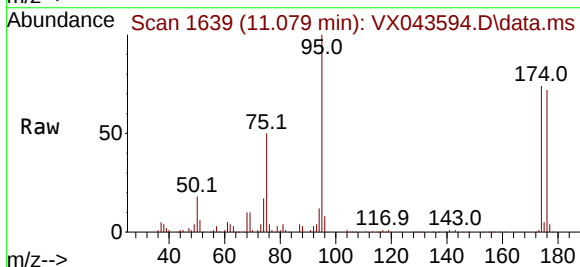
Instrument :
MSVOA_X
ClientSampleId :

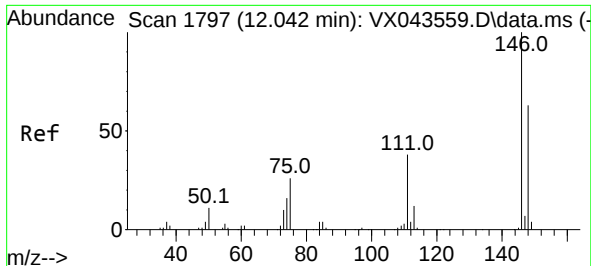
Tgt Ion: 75 Resp: 55385
Ion Ratio Lower Upper
75 100
77 1.2 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.684 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Tgt Ion: 75 Resp: 55385
Ion Ratio Lower Upper
75 100
53 0.0 84.6 126.8#
89 0.0 38.6 58.0#





#88

1,4-Dichlorobenzene

Concen: 0.300 ug/l

RT: 12.042 min Scan# 11

Delta R.T. -0.000 min

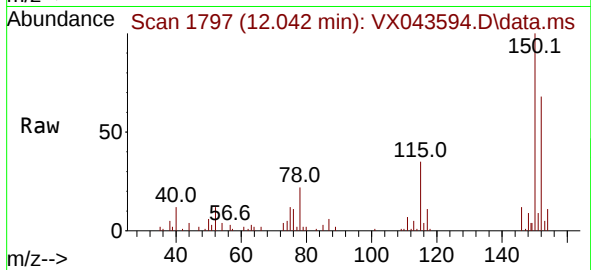
Lab File: VX043594.D

Acq: 29 Oct 2024 14:06

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:146 Resp: 1089

Ion Ratio Lower Upper

146 100

111 0.0 20.4 61.3#

148 97.3 31.9 95.9#

