

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
 Data File : VX043584.D
 Acq On : 29 Oct 2024 10:06
 Operator : JC/MD
 Sample : VX1029MBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029MBL01

Quant Time: Oct 30 01:25:50 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)

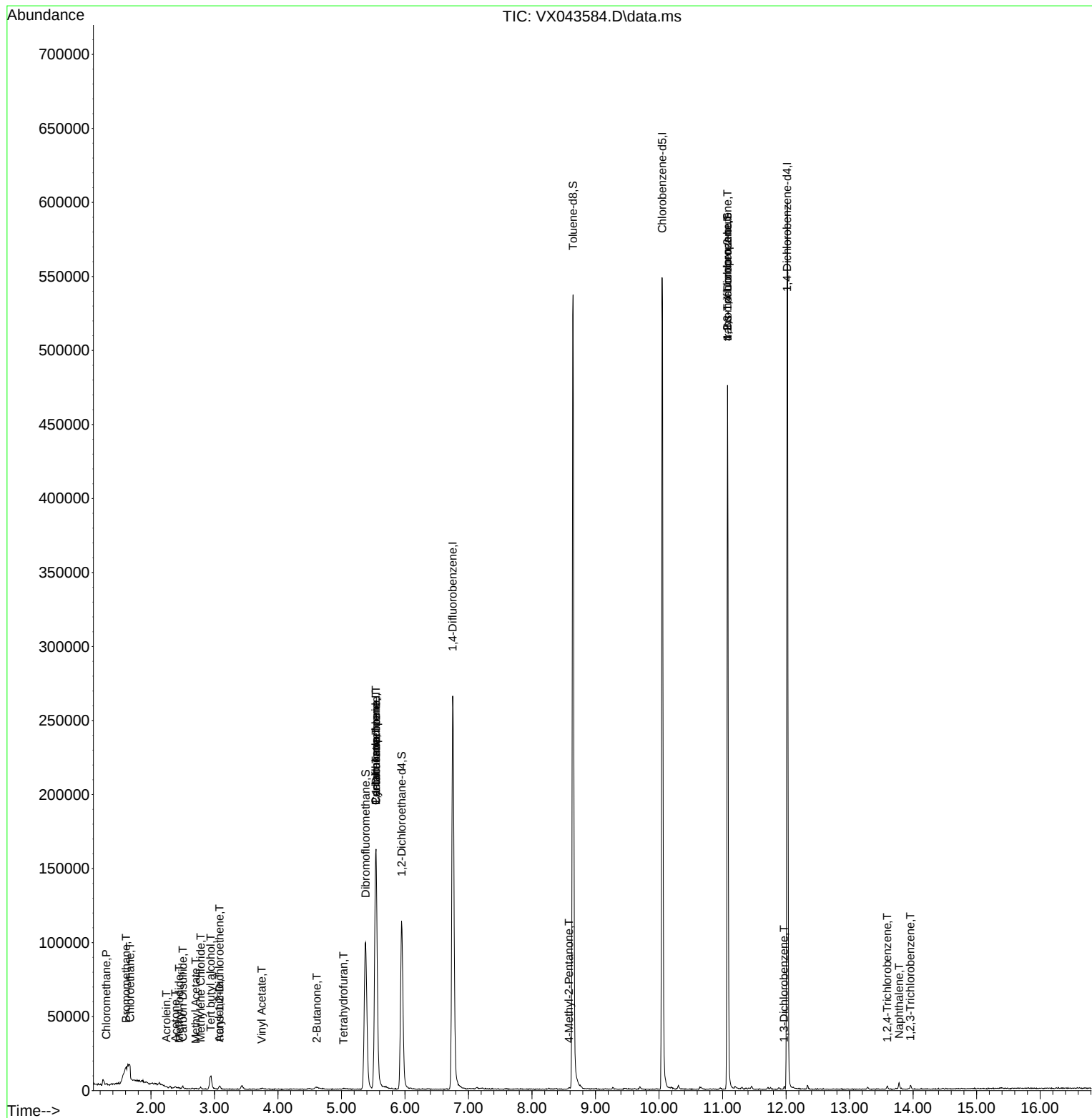
Internal Standards						
1) Pentafluorobenzene	5.544	168	157445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	292323	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	261965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	125443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	109724	43.706	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.420%
35) Dibromofluoromethane	5.379	113	91513	46.167	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.340%
50) Toluene-d8	8.647	98	347478	50.640	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.280%
62) 4-Bromofluorobenzene	11.079	95	129743	51.027	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.060%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	509	0.236	ug/l #	42
5) Bromomethane	1.605	94	513	0.630	ug/l #	34
6) Chloroethane	1.672	64	320	0.455	ug/l #	43
10) Methyl Iodide	2.447	142	628	0.263	ug/l #	96
11) Tert butyl alcohol	2.940	59	5846	12.476	ug/l #	100
13) Acrolein	2.239	56	190	0.518	ug/l #	32
15) Acrylonitrile	3.075	53	738	0.698	ug/l	95
16) Acetone	2.386	43	1592	1.597	ug/l #	83
17) Carbon Disulfide	2.502	76	1952	0.554	ug/l	95
18) Methyl Acetate	2.703	43	936	0.321	ug/l #	86
20) Methylene Chloride	2.782	84	558	0.260	ug/l #	61
21) trans-1,2-Dichloroethene	3.081	96	475	0.267	ug/l	89
23) Vinyl Acetate	3.745	43	1363	0.274	ug/l #	71
25) 2-Butanone	4.611	43	504	0.347	ug/l #	49
29) Tetrahydrofuran	5.032	42	276	0.292	ug/l #	55
31) Cyclohexane	5.544	56	3115	1.175	ug/l #	18
36) 1,1-Dichloropropene	5.544	75	12829	5.458	ug/l #	49
38) Carbon Tetrachloride	5.544	117	16814	6.474	ug/l #	16
51) 4-Methyl-2-Pentanone	8.580	43	1056	0.367	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	65149	24.290	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	65149	66.822	ug/l #	7
87) 1,3-Dichlorobenzene	11.969	146	825	0.201	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	744	0.291	ug/l	82
95) Naphthalene	13.780	128	4627	0.474	ug/l	97
96) 1,2,3-Trichlorobenzene	13.957	180	1020	0.379	ug/l	85

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

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Acq On : 29 Oct 2024 10:06
Operator : JC/MD
Sample : VX1029MBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029MBL01

Quant Time: Oct 30 01:25:50 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

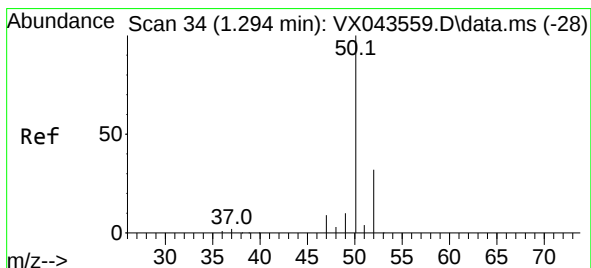
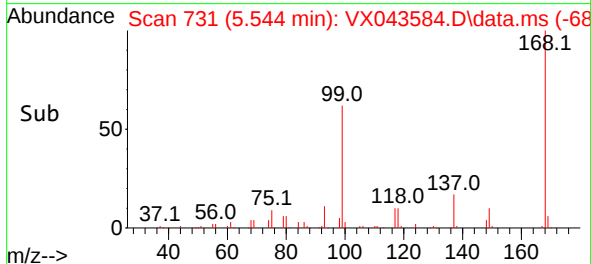
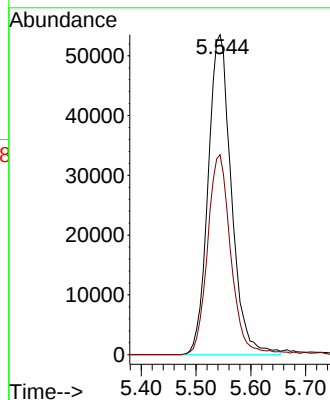
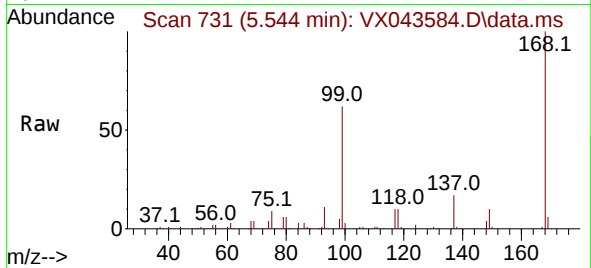




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043584.D
Acq: 29 Oct 2024 10:06

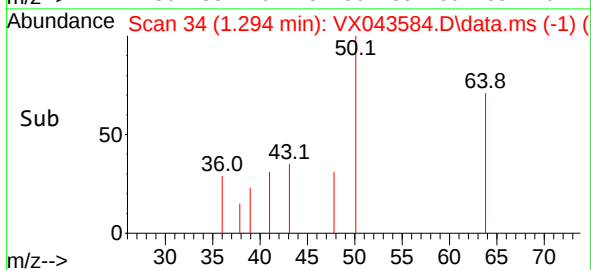
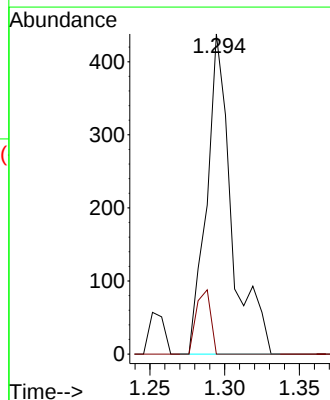
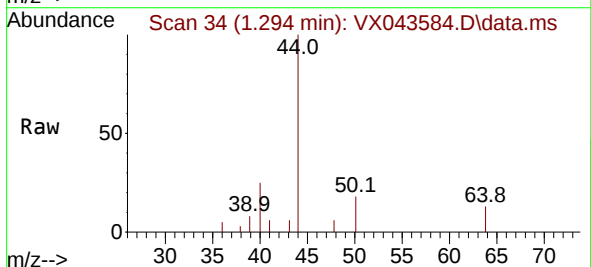
Instrument :
MSVOA_X
ClientSampleId :
VX1029MBL01

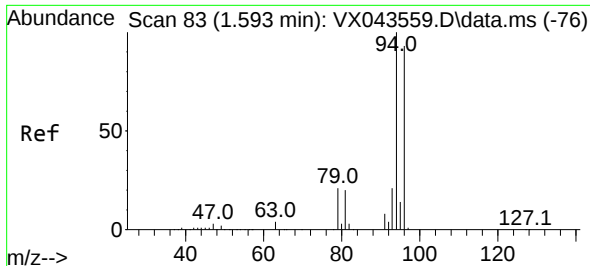
Tgt Ion:168 Resp: 157445
Ion Ratio Lower Upper
168 100
99 62.5 52.6 78.8



#3
Chloromethane
Concen: 0.236 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043584.D
Acq: 29 Oct 2024 10:06

Tgt Ion: 50 Resp: 509
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5

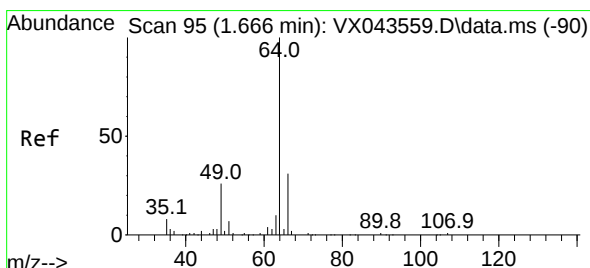
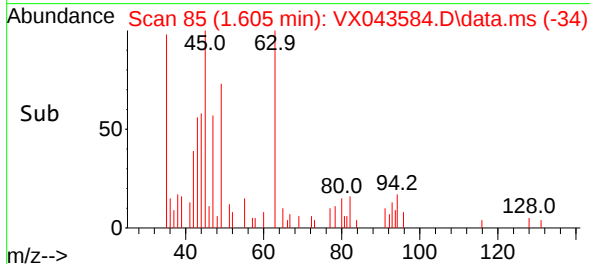
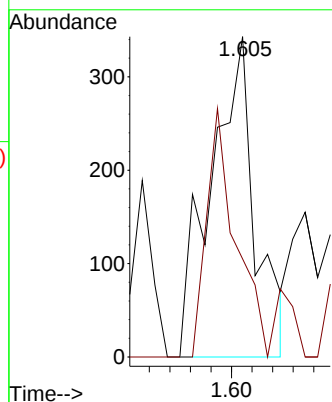
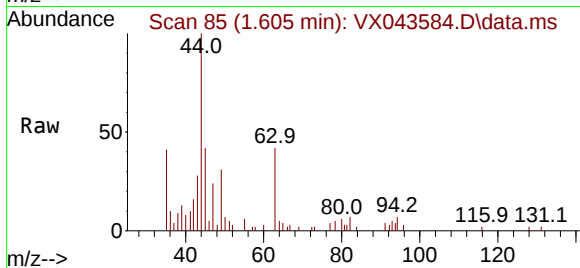




#5
Bromomethane
Concen: 0.630 ug/l
RT: 1.605 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX043584.D
Acq: 29 Oct 2024 10:06

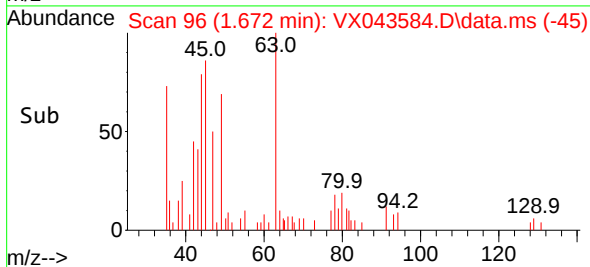
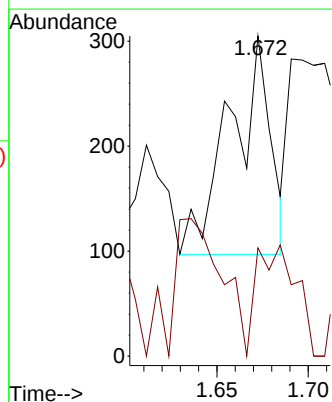
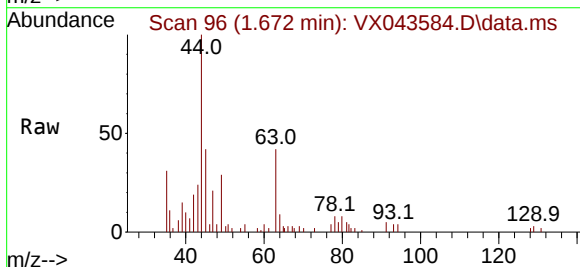
Instrument :
MSVOA_X
ClientSampleId :
VX1029MBL01

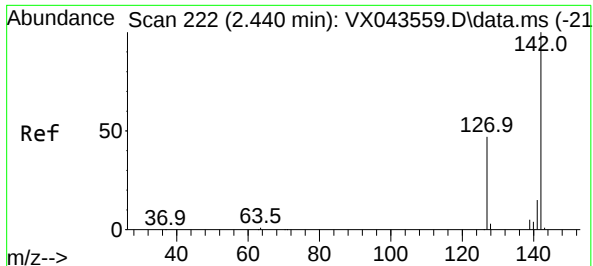
Tgt Ion: 94 Resp: 513
Ion Ratio Lower Upper
94 100
96 30.6 75.9 113.9#



#6
Chloroethane
Concen: 0.455 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.012 min
Lab File: VX043584.D
Acq: 29 Oct 2024 10:06

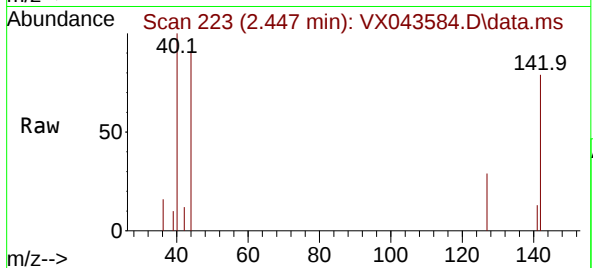
Tgt Ion: 64 Resp: 320
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





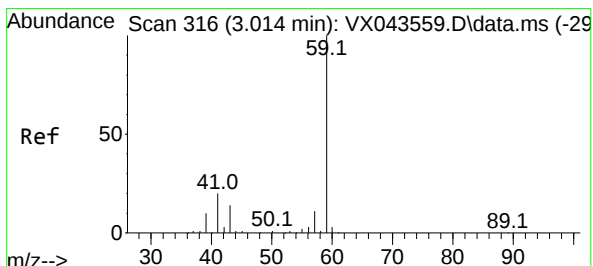
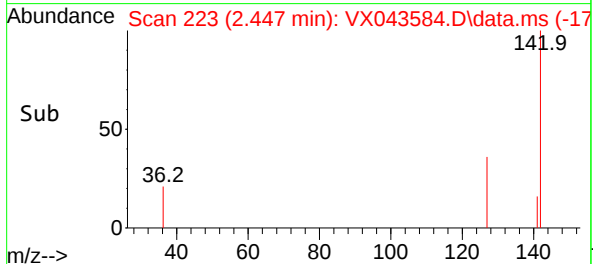
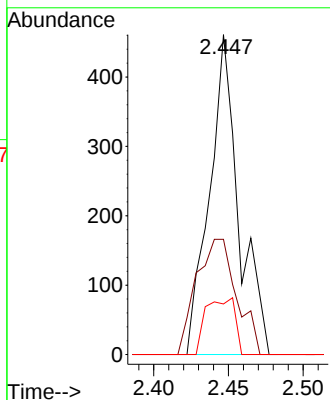
#10
Methyl Iodide
Concen: 0.263 ug/l
RT: 2.447 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043584.D
Acq: 29 Oct 2024 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1029MBL01



Tgt Ion:142 Resp: 628

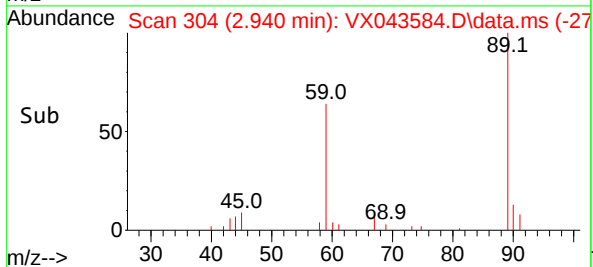
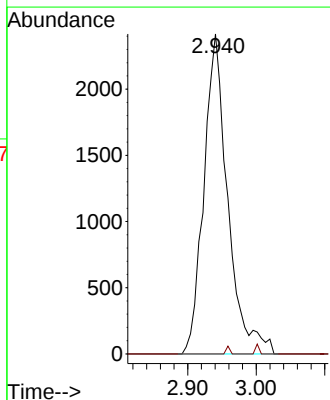
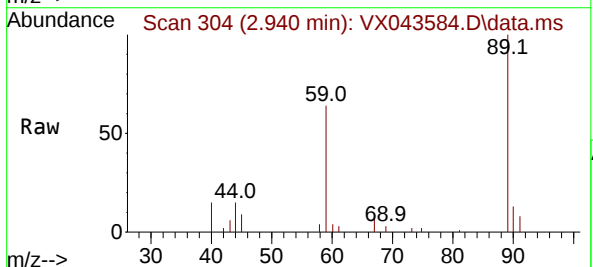
Ion	Ratio	Lower	Upper
142	100		
127	49.5	38.2	57.4
141	17.5	11.5	17.3

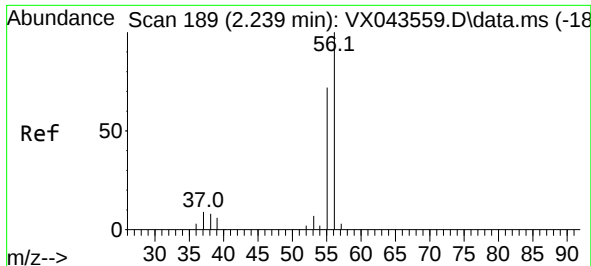


#11
Tert butyl alcohol
Concen: 12.476 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.110 min
Lab File: VX043584.D
Acq: 29 Oct 2024 10:06

Tgt Ion: 59 Resp: 5846

Ion	Ratio	Lower	Upper
59	100		
57	0.4	0.0	0.0

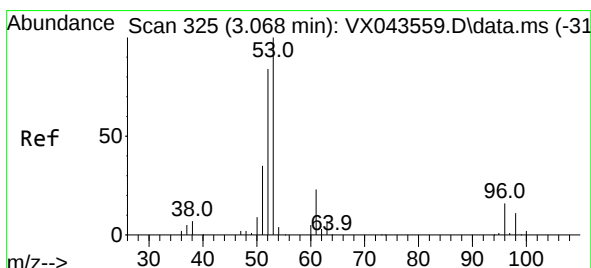
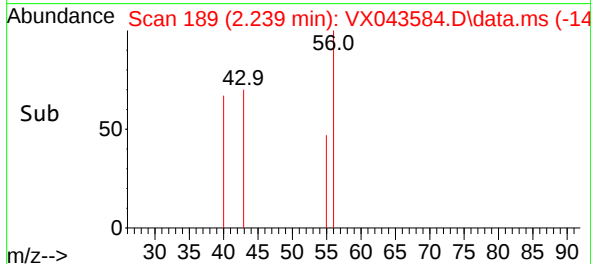
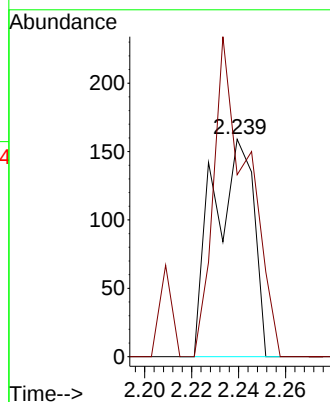
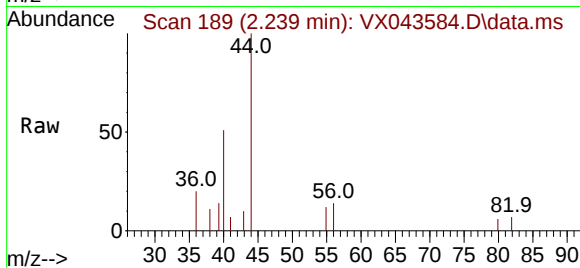




#13
Acrolein
Concen: 0.518 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043584.D
Acq: 29 Oct 2024 10:06

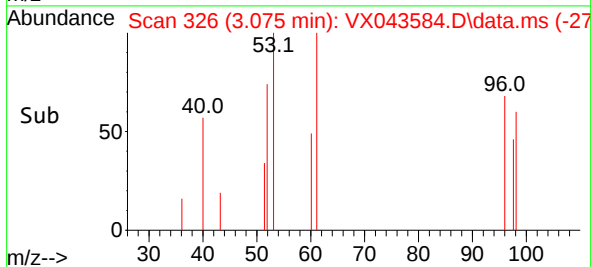
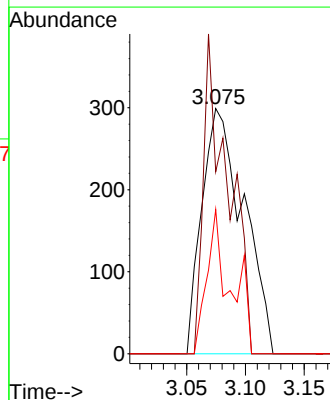
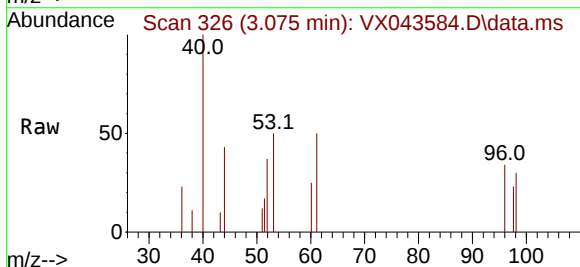
Instrument :
MSVOA_X
ClientSampleId :
VX1029MBL01

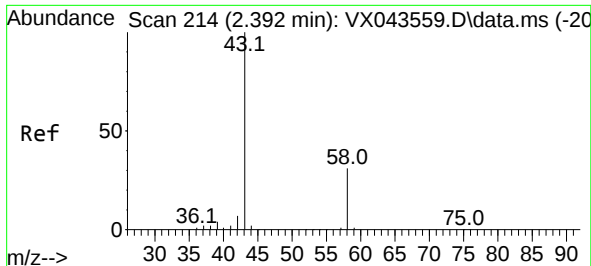
Tgt Ion: 56 Resp: 190
Ion Ratio Lower Upper
56 100
55 124.7 55.3 82.9#



#15
Acrylonitrile
Concen: 0.698 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.000 min
Lab File: VX043584.D
Acq: 29 Oct 2024 10:06

Tgt Ion: 53 Resp: 738
Ion Ratio Lower Upper
53 100
52 77.0 65.8 98.6
51 33.1 28.5 42.7

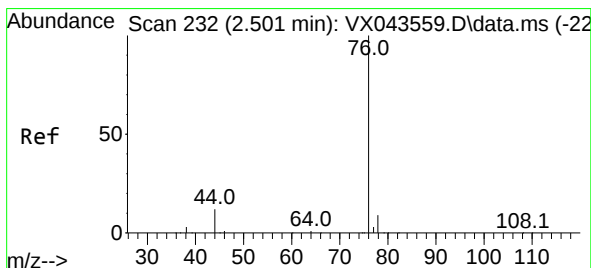
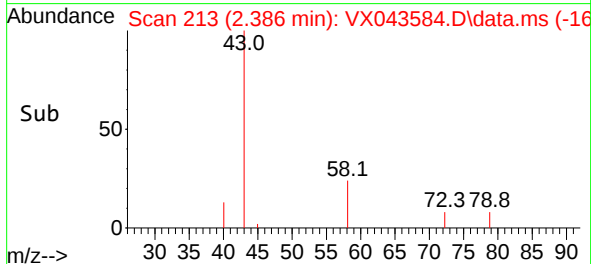
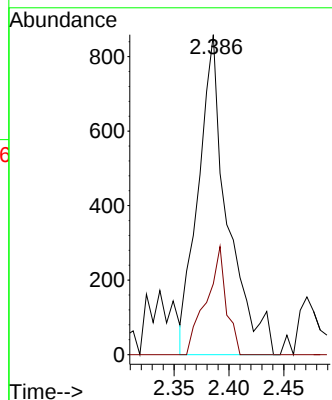
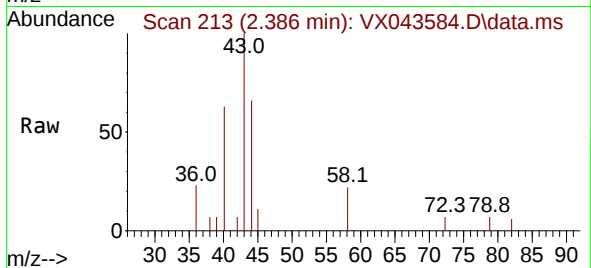




#16
Acetone
Concen: 1.597 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX043584.D
Acq: 29 Oct 2024 10:06

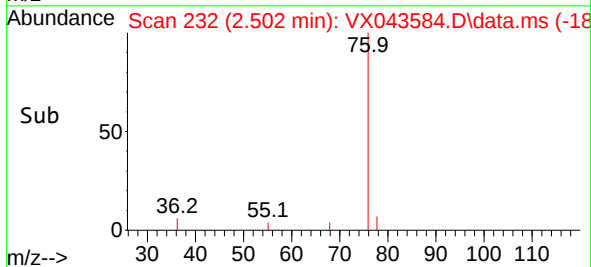
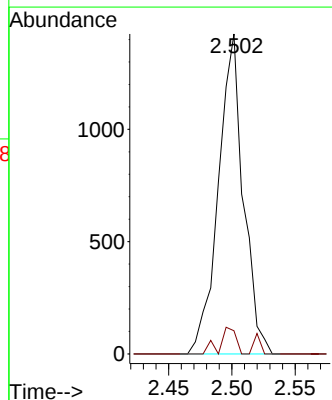
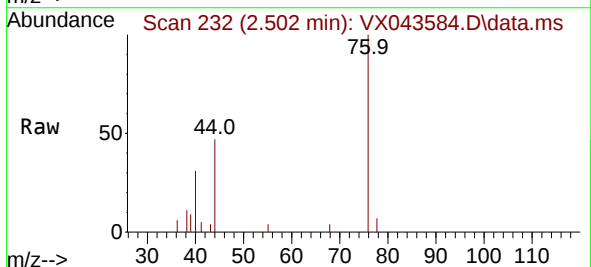
Instrument :
MSVOA_X
ClientSampleId :
VX1029MBL01

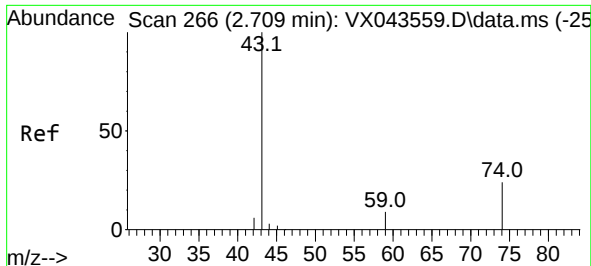
Tgt Ion: 43 Resp: 1592
Ion Ratio Lower Upper
43 100
58 22.1 25.1 37.7#



#17
Carbon Disulfide
Concen: 0.554 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.006 min
Lab File: VX043584.D
Acq: 29 Oct 2024 10:06

Tgt Ion: 76 Resp: 1952
Ion Ratio Lower Upper
76 100
78 7.2 7.1 10.7





#18

Methyl Acetate

Concen: 0.321 ug/l

RT: 2.703 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX043584.D

Acq: 29 Oct 2024 10:06

Instrument :

MSVOA_X

ClientSampleId :

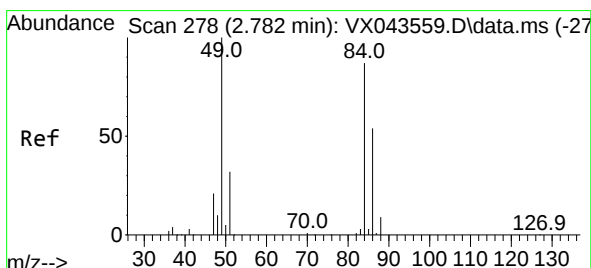
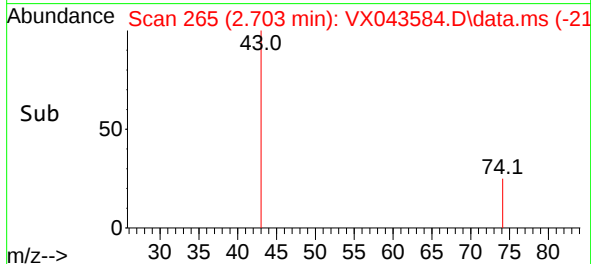
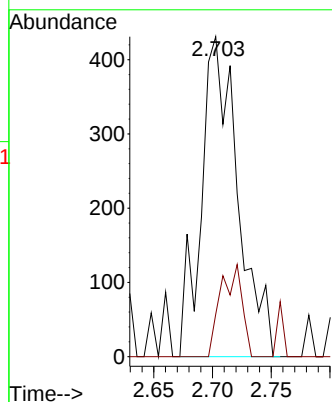
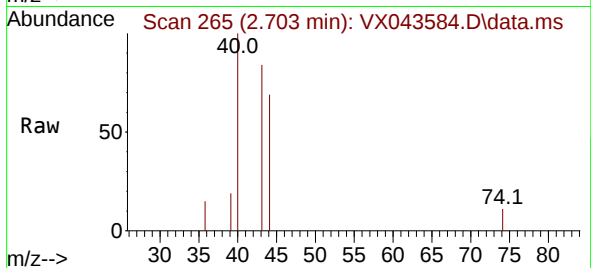
VX1029MBL01

Tgt Ion: 43 Resp: 936

Ion Ratio Lower Upper

43 100

74 16.8 19.1 28.7#



#20

Methylene Chloride

Concen: 0.260 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043584.D

Acq: 29 Oct 2024 10:06

Tgt Ion: 84 Resp: 558

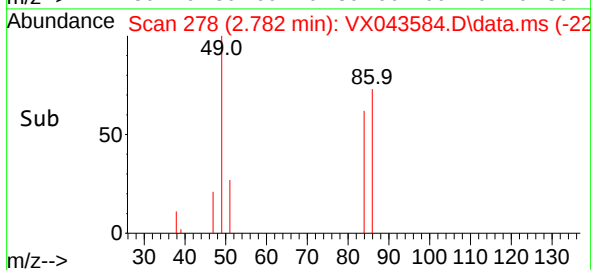
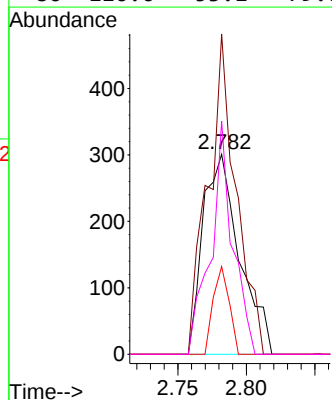
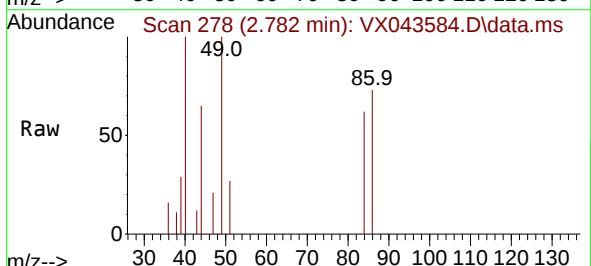
Ion Ratio Lower Upper

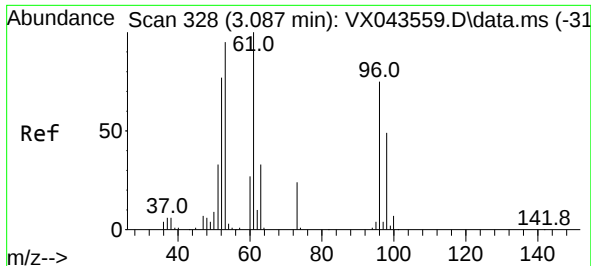
84 100

49 160.1 97.0 145.6#

51 43.9 29.8 44.8

86 116.6 53.1 79.7#

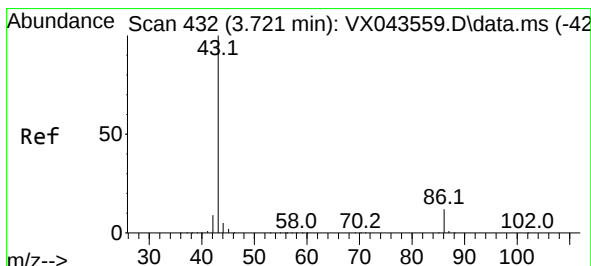
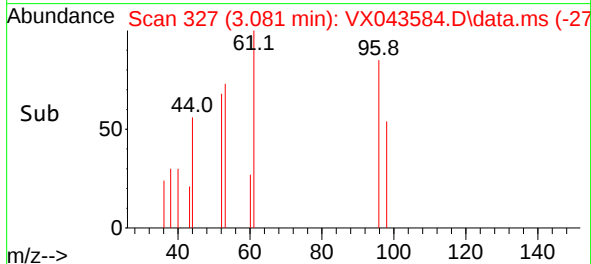
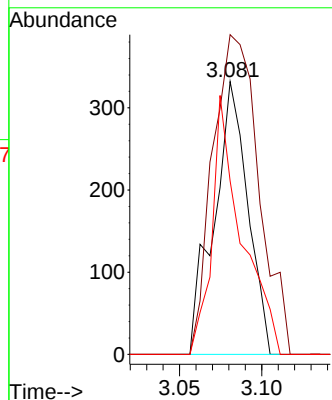
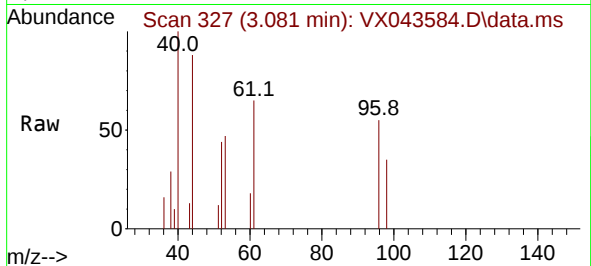




#21
trans-1,2-Dichloroethene
Concen: 0.267 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043584.D
Acq: 29 Oct 2024 10:06

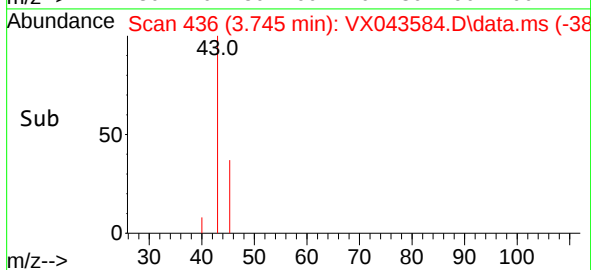
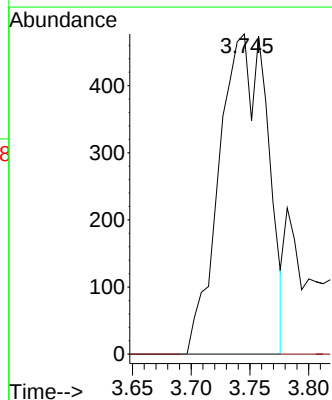
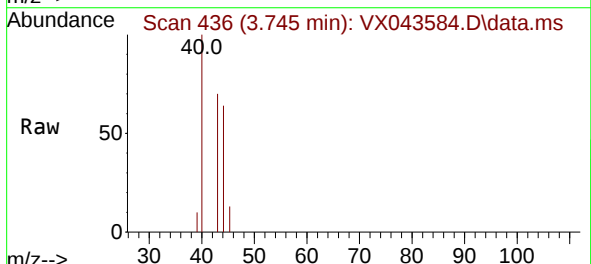
Instrument :
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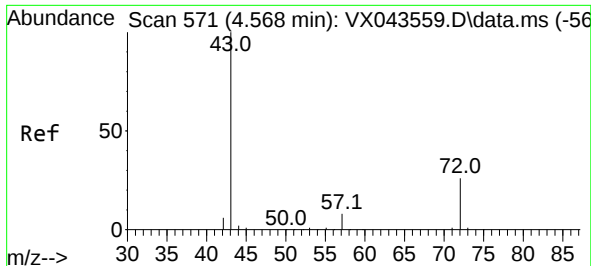
Tgt Ion: 96 Resp: 475
Ion Ratio Lower Upper
96 100
61 117.2 107.1 160.7
98 63.6 47.7 71.5



#23
Vinyl Acetate
Concen: 0.274 ug/l
RT: 3.745 min Scan# 436
Delta R.T. 0.025 min
Lab File: VX043584.D
Acq: 29 Oct 2024 10:06

Tgt Ion: 43 Resp: 1363
Ion Ratio Lower Upper
43 100
86 0.0 9.0 13.4#





#25

2-Butanone

Concen: 0.347 ug/l

RT: 4.611 min Scan# 51

Delta R.T. 0.043 min

Lab File: VX043584.D

Acq: 29 Oct 2024 10:06

Instrument :

MSVOA_X

ClientSampleId :

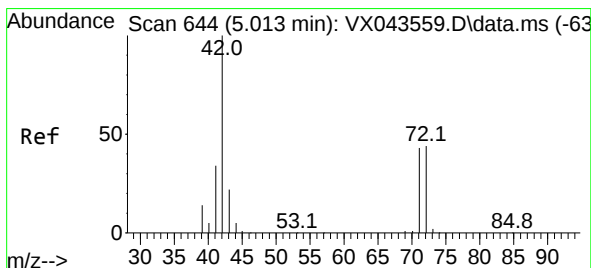
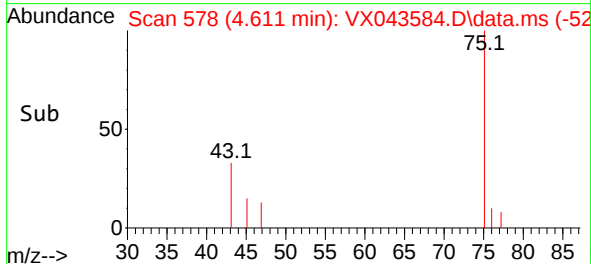
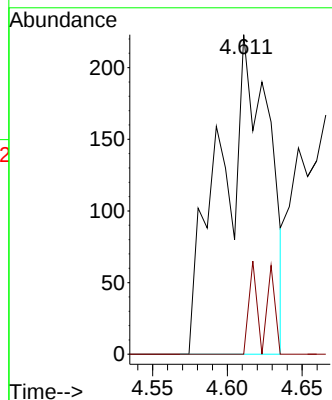
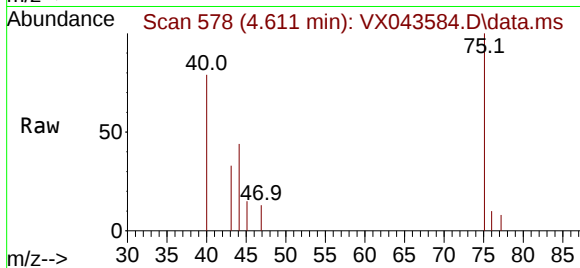
VX1029MBL01

Tgt Ion: 43 Resp: 504

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#29

Tetrahydrofuran

Concen: 0.292 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.018 min

Lab File: VX043584.D

Acq: 29 Oct 2024 10:06

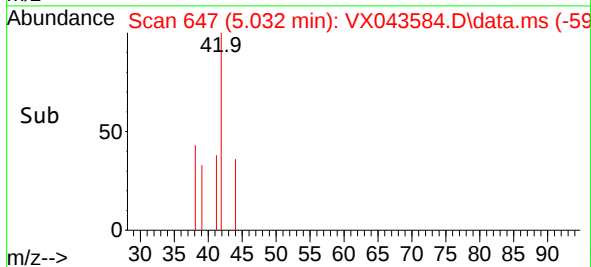
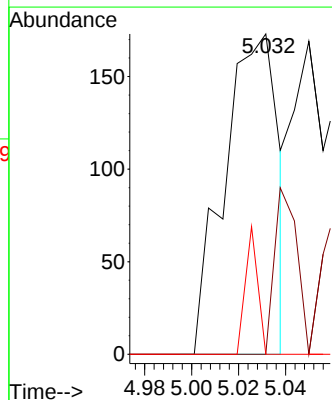
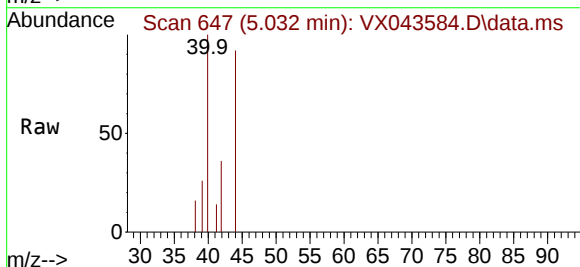
Tgt Ion: 42 Resp: 276

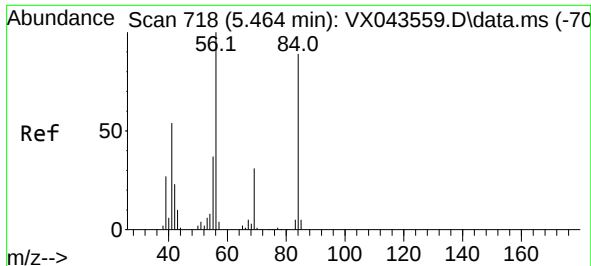
Ion Ratio Lower Upper

42 100

72 21.4 36.6 55.0#

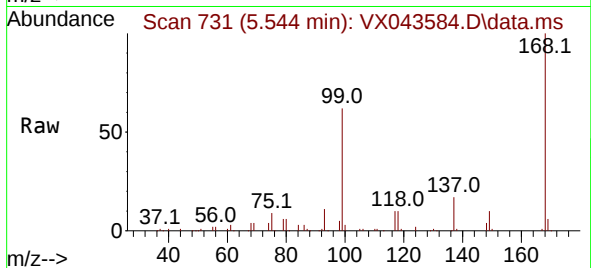
71 9.1 34.2 51.4#



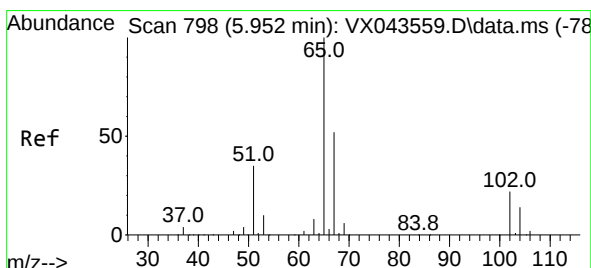
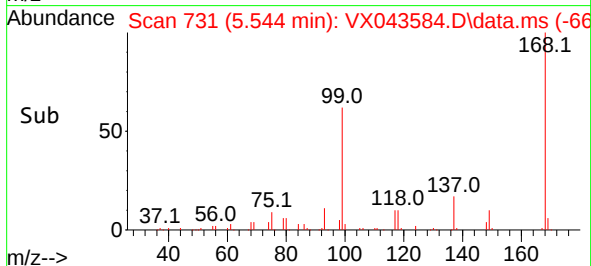
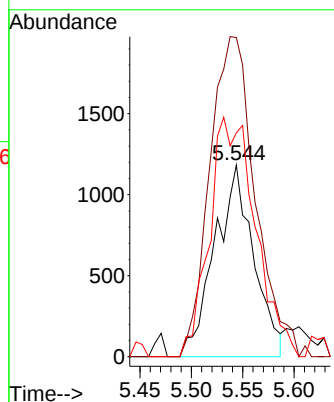


#31
Cyclohexane
Concen: 1.175 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX043584.D
Acq: 29 Oct 2024 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1029MBL01

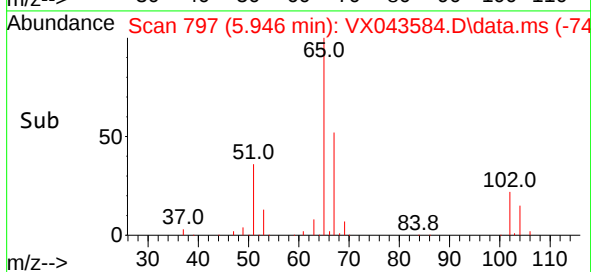
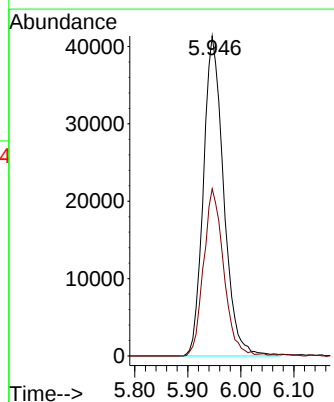
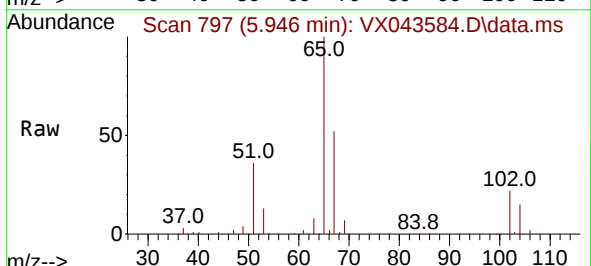


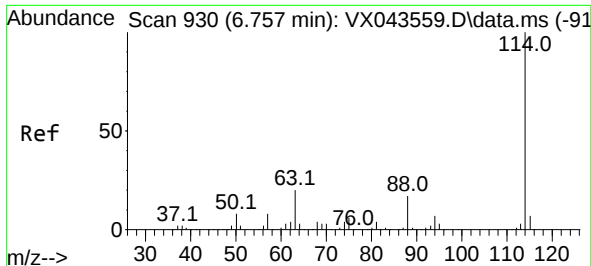
Tgt Ion: 56 Resp: 3115
Ion Ratio Lower Upper
56 100
69 166.5 24.9 37.3#
84 116.8 73.3 109.9#



#33
1,2-Dichloroethane-d4
Concen: 43.706 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX043584.D
Acq: 29 Oct 2024 10:06

Tgt Ion: 65 Resp: 109724
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.4

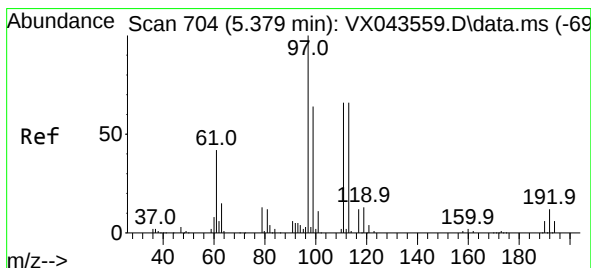
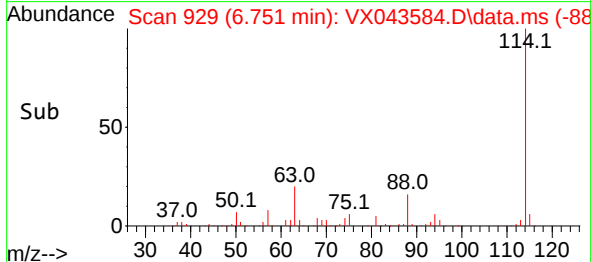
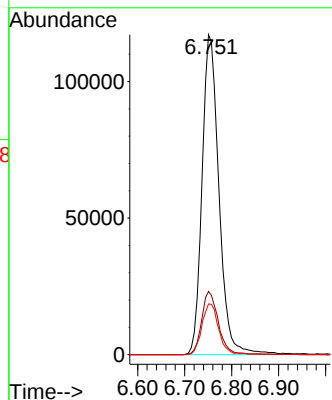
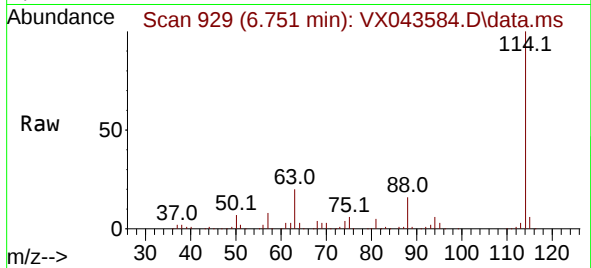




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX043584.D
Acq: 29 Oct 2024 10:06

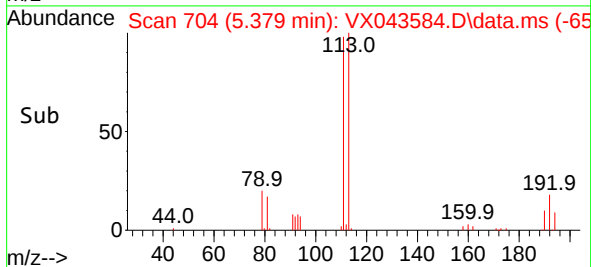
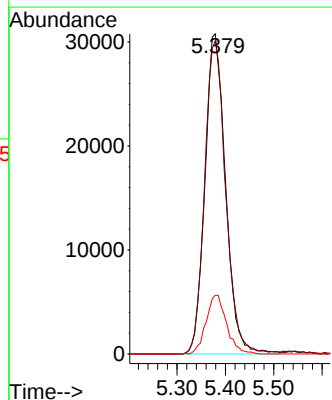
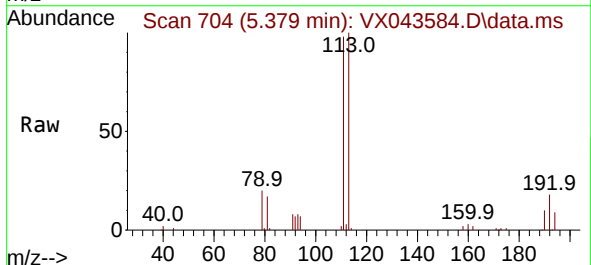
Instrument :
MSVOA_X
ClientSampleId :
VX1029MBL01

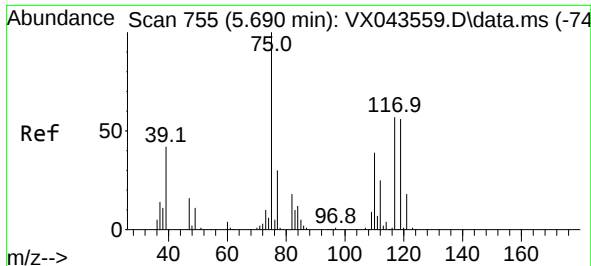
Tgt Ion:114 Resp: 292323
Ion Ratio Lower Upper
114 100
63 19.8 0.0 41.2
88 15.9 0.0 34.0



#35
Dibromofluoromethane
Concen: 46.167 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043584.D
Acq: 29 Oct 2024 10:06

Tgt Ion:113 Resp: 91513
Ion Ratio Lower Upper
113 100
111 99.5 81.4 122.0
192 18.2 14.1 21.1





#36

1,1-Dichloropropene

Concen: 5.458 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX043584.D

Acq: 29 Oct 2024 10:06

Instrument :

MSVOA_X

ClientSampleId :

VX1029MBL01

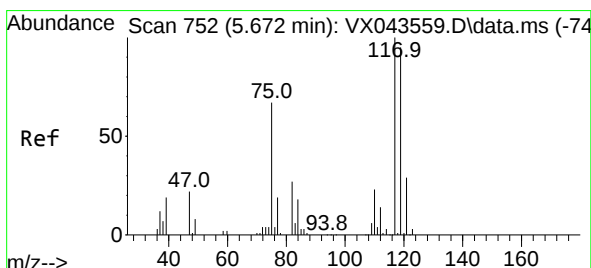
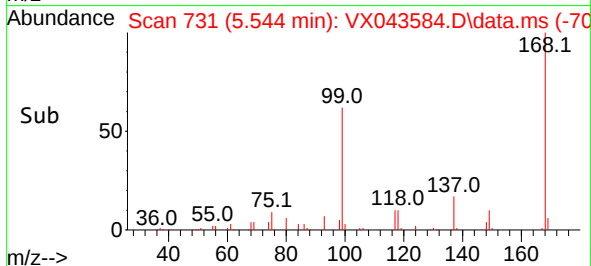
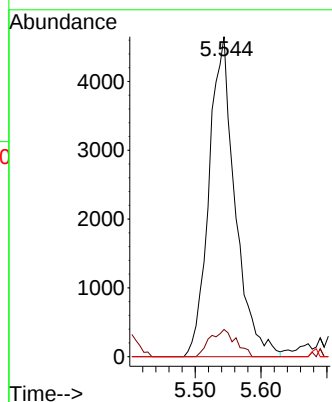
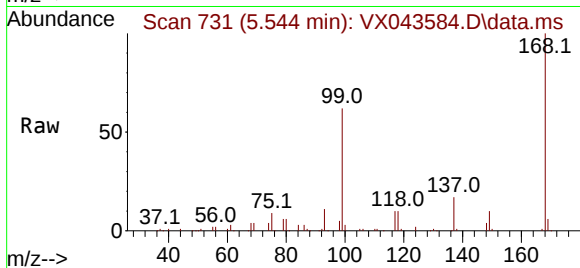
Tgt Ion: 75 Resp: 12829

Ion Ratio Lower Upper

75 100

110 8.4 17.9 53.7#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.474 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX043584.D

Acq: 29 Oct 2024 10:06

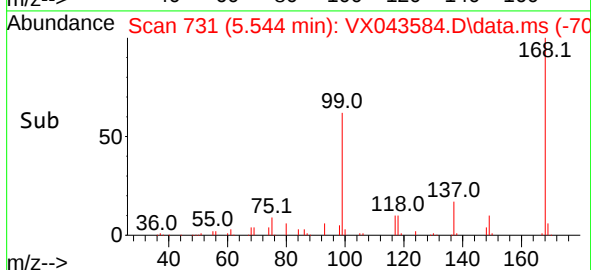
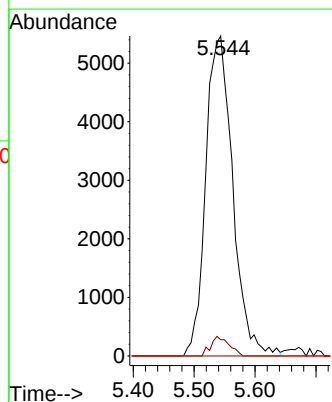
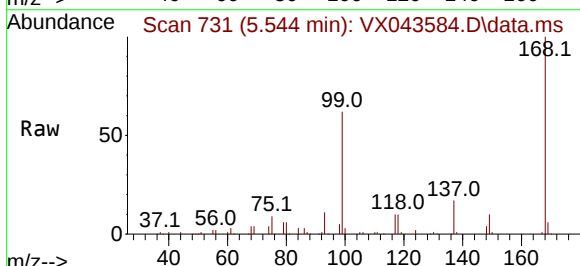
Tgt Ion: 117 Resp: 16814

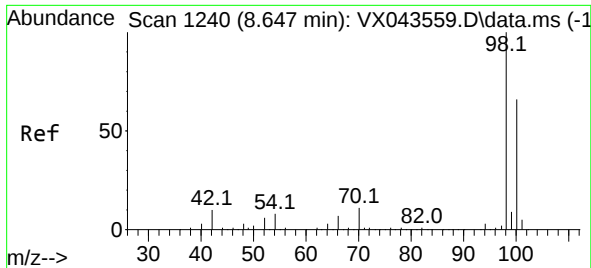
Ion Ratio Lower Upper

117 100

119 5.1 77.0 115.6#

121 0.0 24.7 37.1#

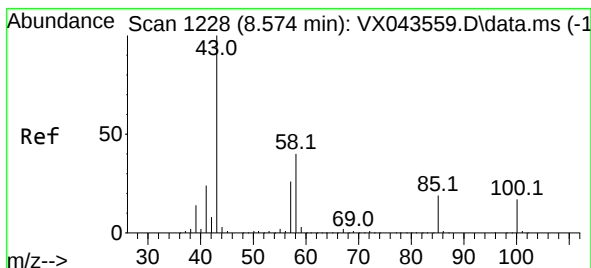
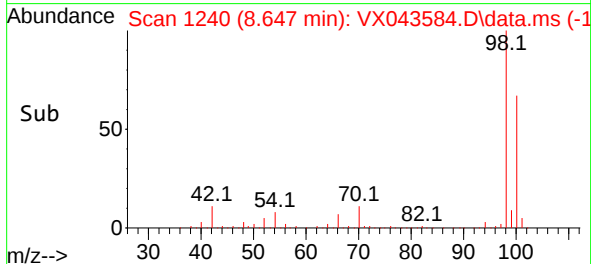
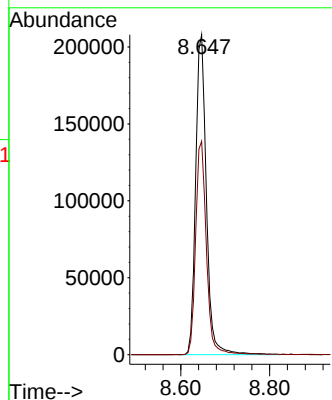
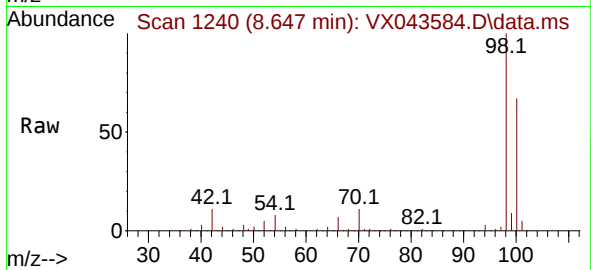




#50
Toluene-d8
Concen: 50.640 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043584.D
Acq: 29 Oct 2024 10:06

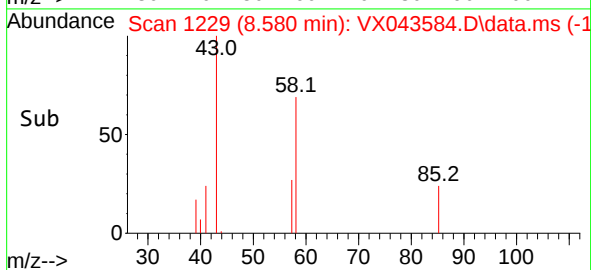
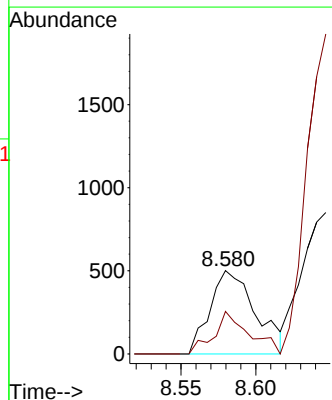
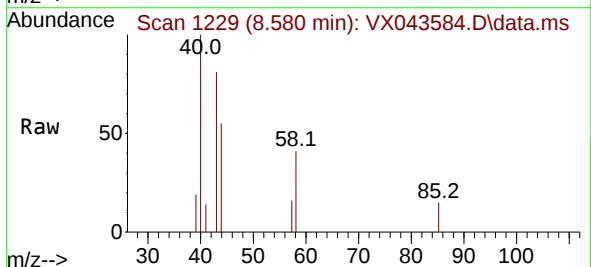
Instrument :
MSVOA_X
ClientSampleId :
VX1029MBL01

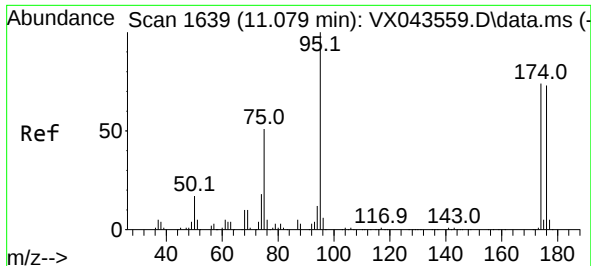
Tgt Ion: 98 Resp: 347478
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.367 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VX043584.D
Acq: 29 Oct 2024 10:06

Tgt Ion: 43 Resp: 1056
Ion Ratio Lower Upper
43 100
58 39.2 31.7 47.5





#62

4-Bromofluorobenzene

Concen: 51.027 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043584.D

Acq: 29 Oct 2024 10:06

Instrument :

MSVOA_X

ClientSampleId :

VX1029MBL01

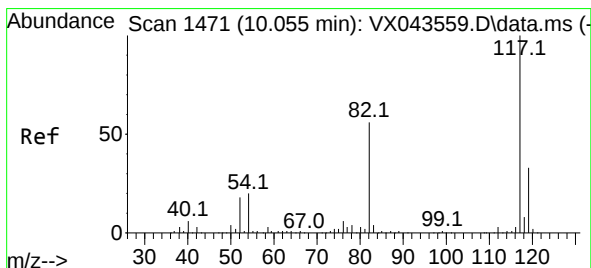
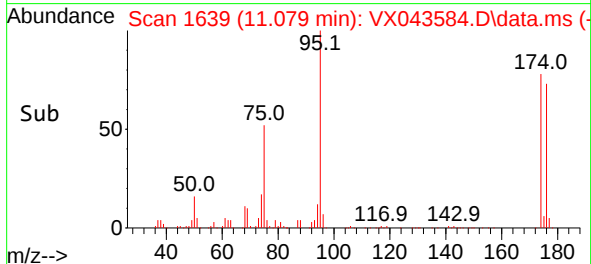
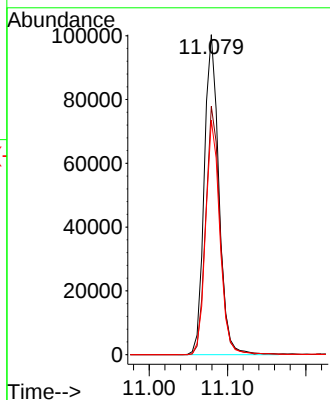
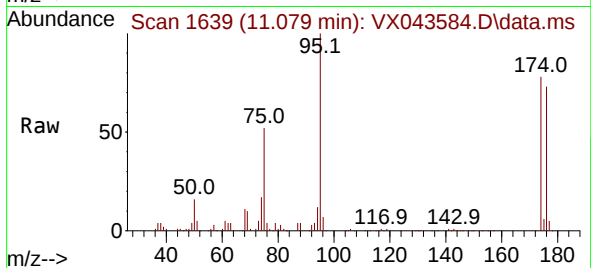
Tgt Ion: 95 Resp: 129743

Ion Ratio Lower Upper

95 100

174 76.2 0.0 146.6

176 71.8 0.0 139.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.006 min

Lab File: VX043584.D

Acq: 29 Oct 2024 10:06

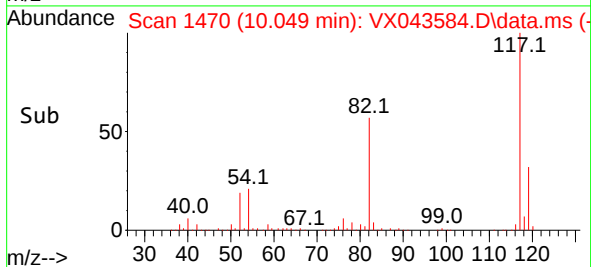
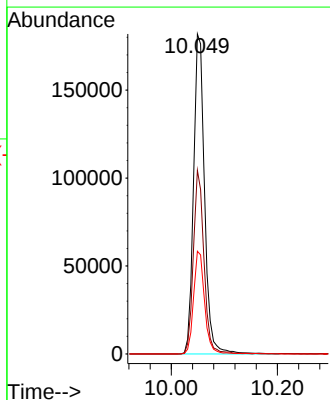
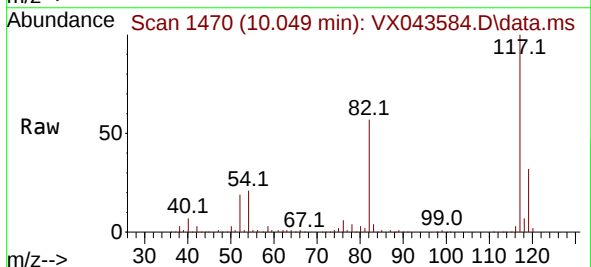
Tgt Ion: 117 Resp: 261965

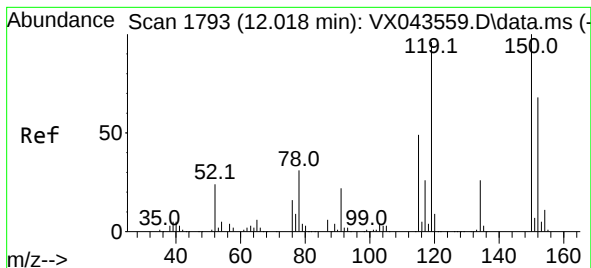
Ion Ratio Lower Upper

117 100

82 57.4 42.1 63.1

119 32.1 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX043584.D

Acq: 29 Oct 2024 10:06

Instrument :

MSVOA_X

ClientSampleId :

VX1029MBL01

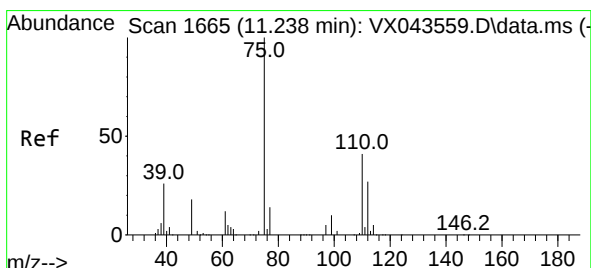
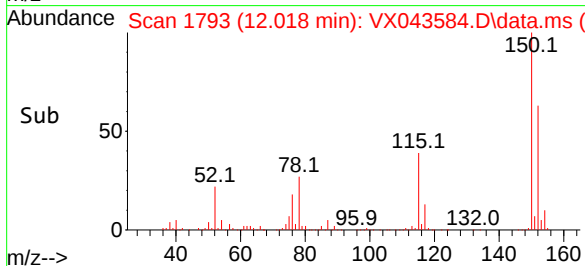
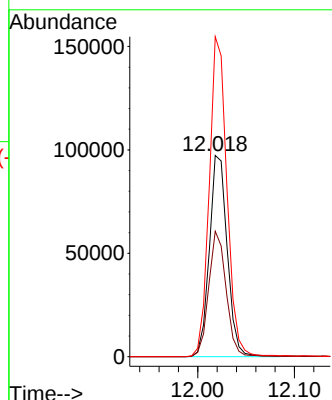
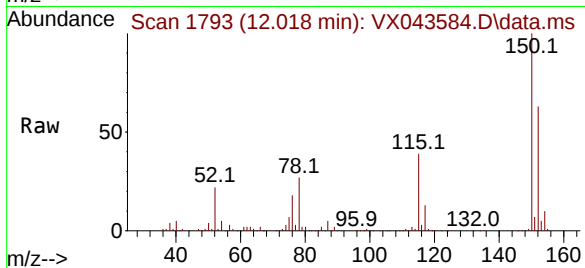
Tgt Ion:152 Resp: 125443

Ion Ratio Lower Upper

152 100

115 60.6 42.9 128.7

150 157.1 0.0 343.6



#76

1,2,3-Trichloropropane

Concen: 24.290 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX043584.D

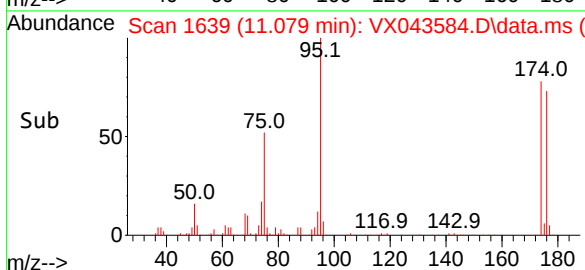
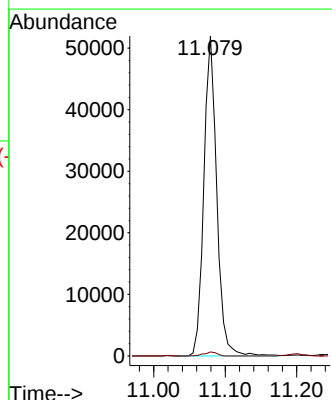
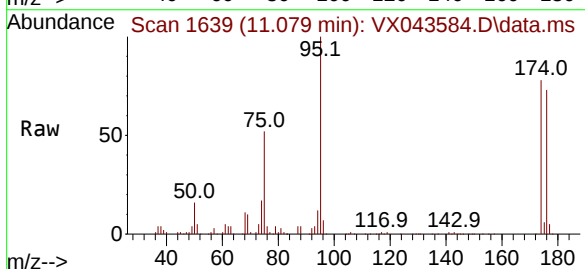
Acq: 29 Oct 2024 10:06

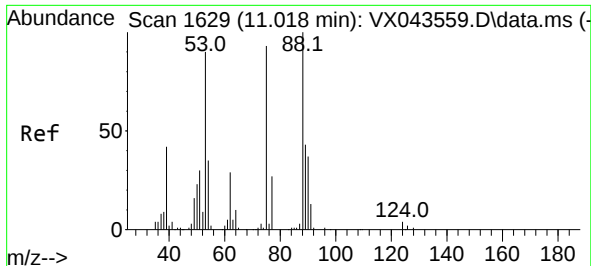
Tgt Ion: 75 Resp: 65149

Ion Ratio Lower Upper

75 100

77 1.2 22.4 67.2#

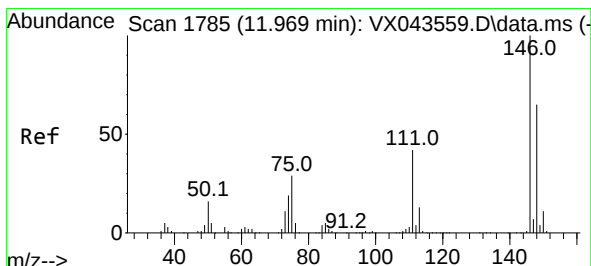
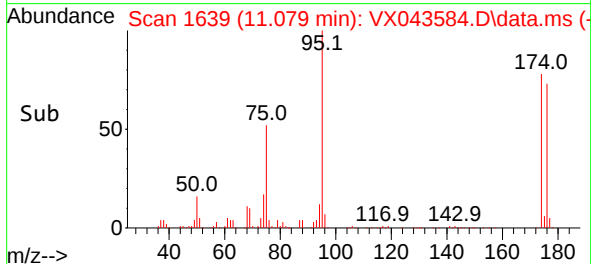
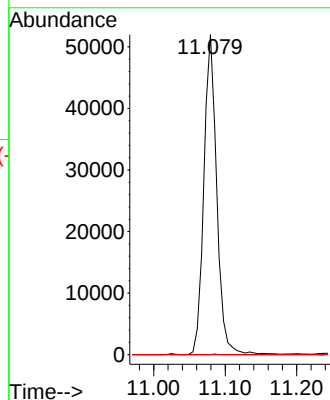
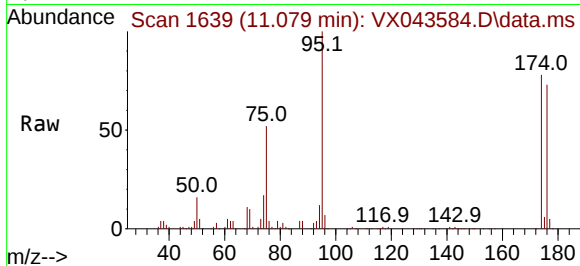




#81
trans-1,4-Dichloro-2-butene
Concen: 66.822 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX043584.D
Acq: 29 Oct 2024 10:06

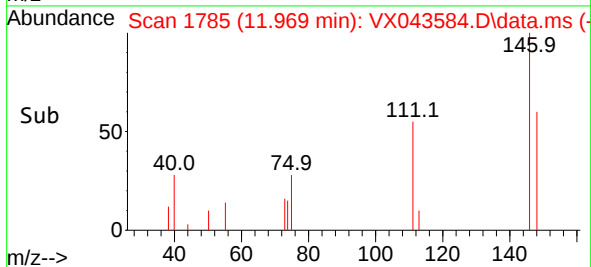
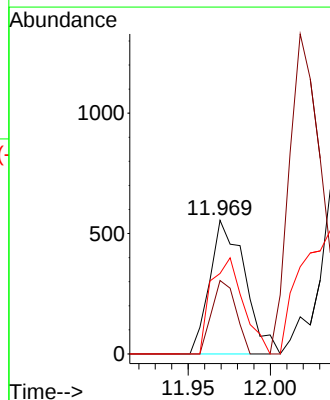
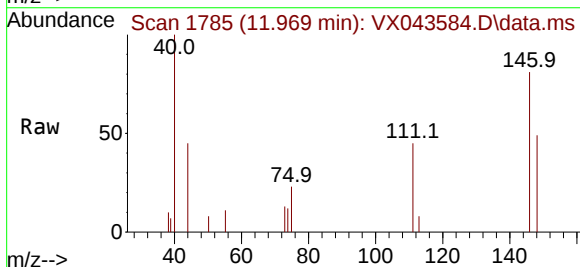
Instrument :
MSVOA_X
ClientSampleId :
VX1029MBL01

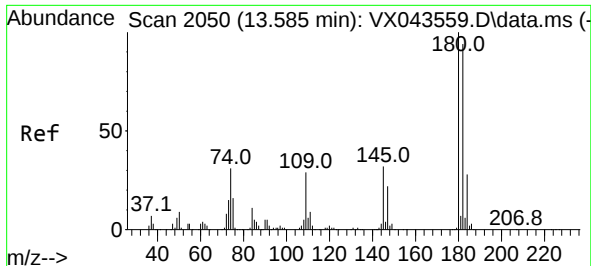
Tgt Ion: 75 Resp: 65149
Ion Ratio Lower Upper
75 100
53 0.0 84.6 126.8#
89 0.1 38.6 58.0#



#87
1,3-Dichlorobenzene
Concen: 0.201 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX043584.D
Acq: 29 Oct 2024 10:06

Tgt Ion:146 Resp: 825
Ion Ratio Lower Upper
146 100
111 37.8 21.1 63.4
148 66.1 31.6 94.8

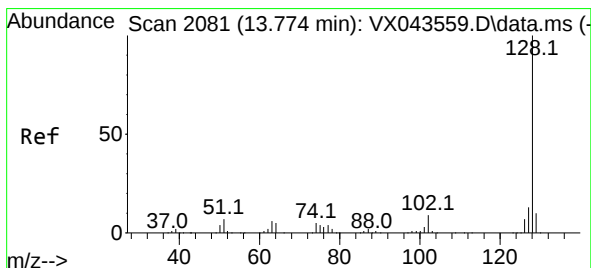
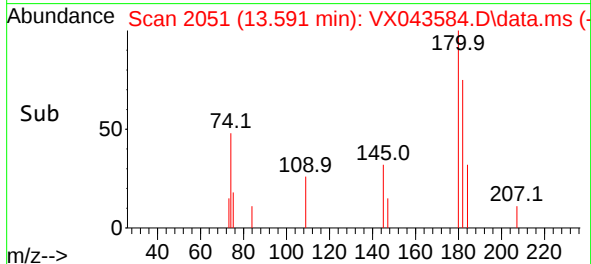
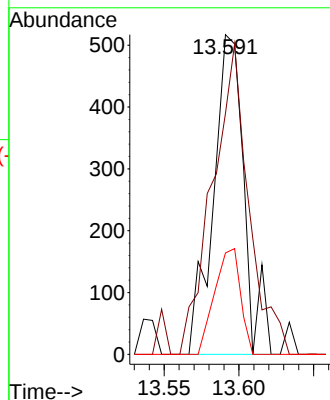
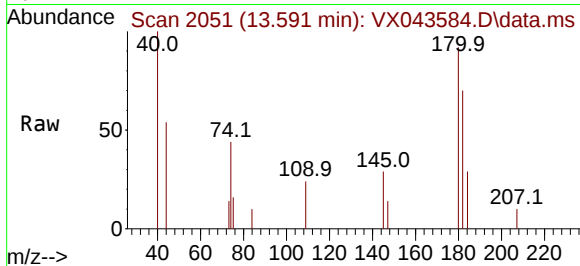




#93
1,2,4-Trichlorobenzene
Concen: 0.291 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX043584.D
Acq: 29 Oct 2024 10:06

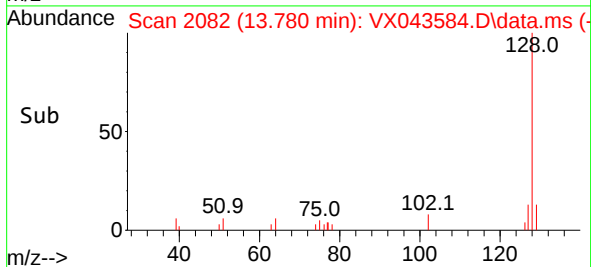
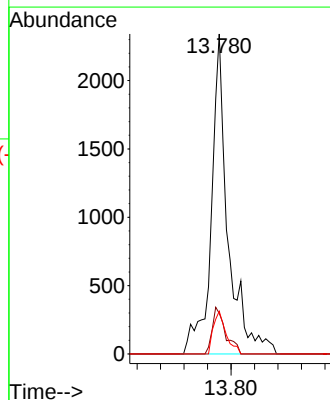
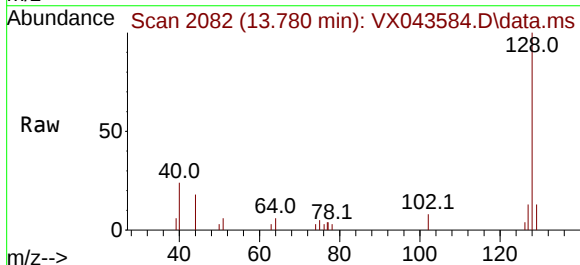
Instrument :
MSVOA_X
ClientSampleId :
VX1029MBL01

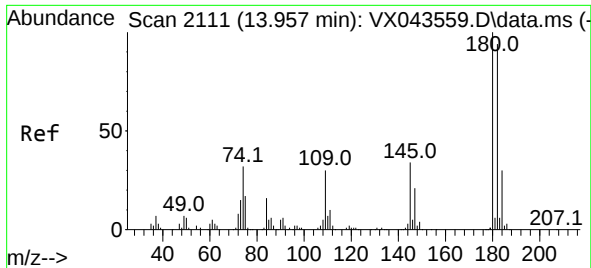
Tgt Ion:180 Resp: 744
Ion Ratio Lower Upper
180 100
182 114.1 46.8 140.4
145 27.6 16.1 48.3



#95
Naphthalene
Concen: 0.474 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX043584.D
Acq: 29 Oct 2024 10:06

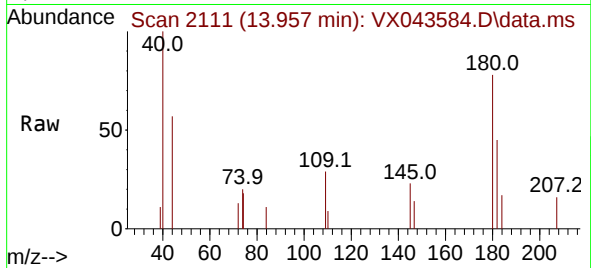
Tgt Ion:128 Resp: 4627
Ion Ratio Lower Upper
128 100
127 11.5 10.2 15.4
129 10.2 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.379 ug/l
 RT: 13.957 min Scan# 2111
 Delta R.T. -0.006 min
 Lab File: VX043584.D
 Acq: 29 Oct 2024 10:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029MBL01



Tgt Ion:	180	Resp:	1020
Ion	Ratio	Lower	Upper
180	100		
182	77.5	47.1	141.3
145	30.7	17.4	52.3

