

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043574.D
 Acq On : 28 Oct 2024 19:33
 Operator : JC/MD
 Sample : PB164394ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 29 03:29:44 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

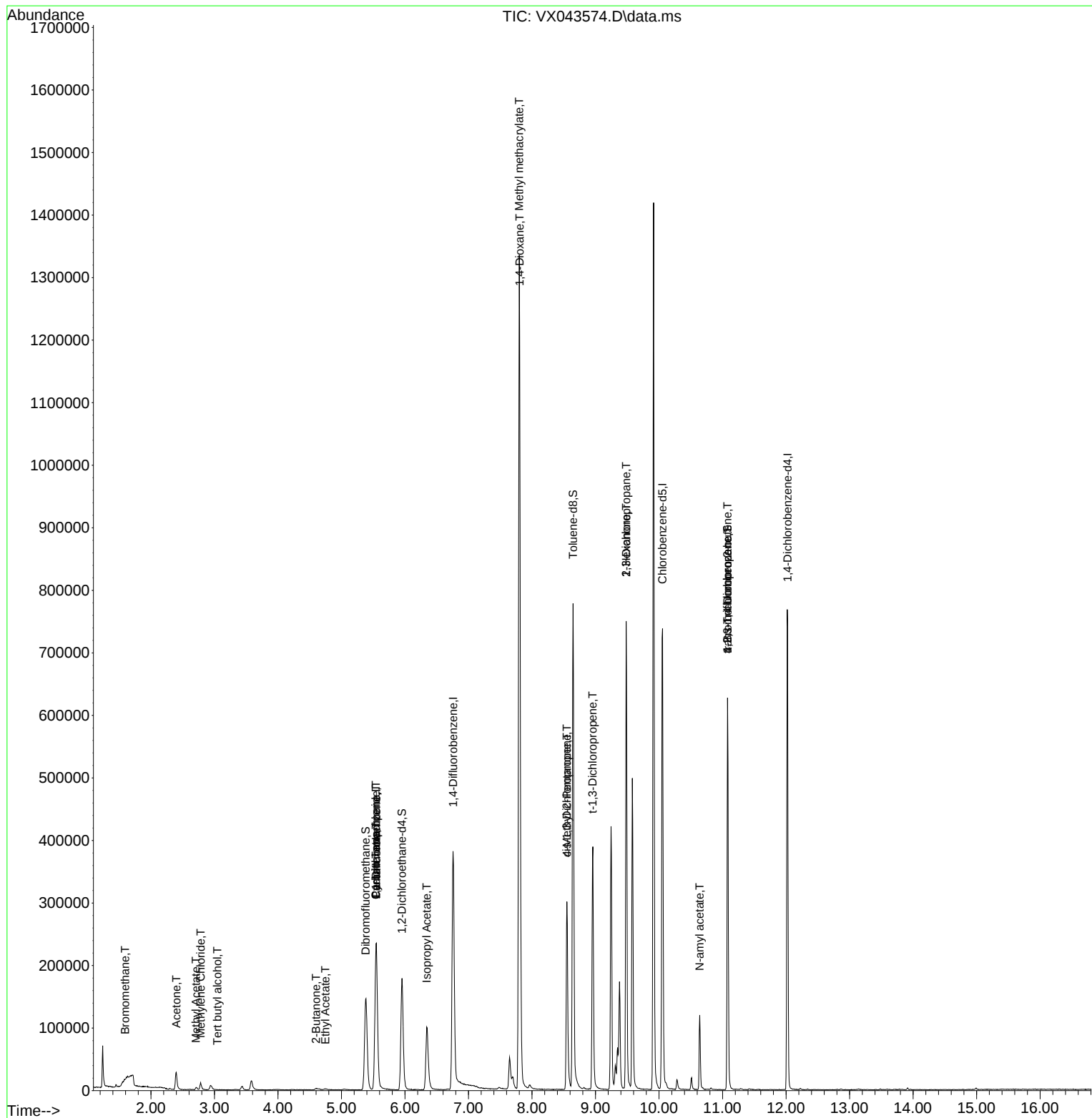
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	223786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	411284	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	358011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	163061	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	169882	47.608	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.220%
35) Dibromofluoromethane	5.379	113	131458	47.136	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.280%
50) Toluene-d8	8.647	98	482663	49.995	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.000%
62) 4-Bromofluorobenzene	11.079	95	172936	48.342	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.680%
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	290	0.251	ug/l #	33
11) Tert butyl alcohol	3.044	59	301	0.452	ug/l #	100
16) Acetone	2.398	43	33986	23.985	ug/l	99
18) Methyl Acetate	2.709	43	5373	1.297	ug/l	98
20) Methylene Chloride	2.782	84	5187	1.698	ug/l	85
25) 2-Butanone	4.599	43	3246	1.570	ug/l	97
31) Cyclohexane	5.544	56	4627	1.228	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	17750	5.367	ug/l #	50
37) Ethyl Acetate	4.745	43	1479	0.368	ug/l #	93
38) Carbon Tetrachloride	5.544	117	23021	6.300	ug/l #	16
43) Isopropyl Acetate	6.342	43	149507	22.518	ug/l	99
48) Methyl methacrylate	7.799	41	120793	38.372	ug/l #	41
49) 1,4-Dioxane	7.805	88	237	3.665	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	114373	28.263	ug/l #	50
53) t-1,3-Dichloropropene	8.951	75	1039	0.264	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	54307	12.933	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	6810	1.470	ug/l #	42
59) 2-Hexanone	9.482	43	89433	29.098	ug/l #	52
74) N-amyl acetate	10.640	43	30250	5.376	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	84698	24.293	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	84698	66.832	ug/l #	7

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

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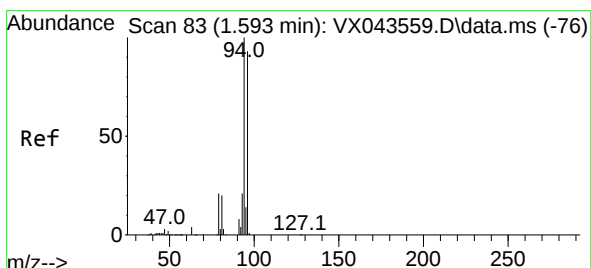
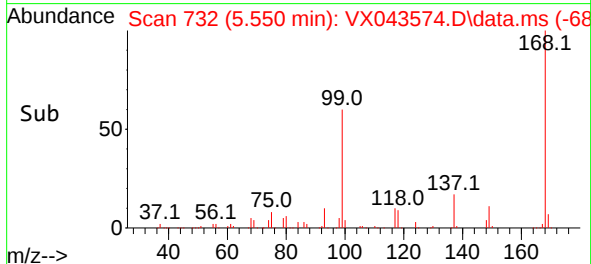
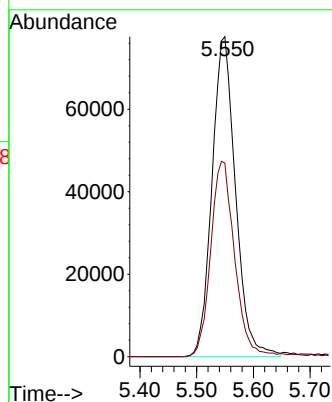
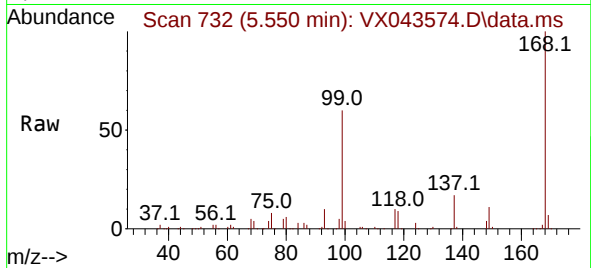




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043574.D
Acq: 28 Oct 2024 19:33

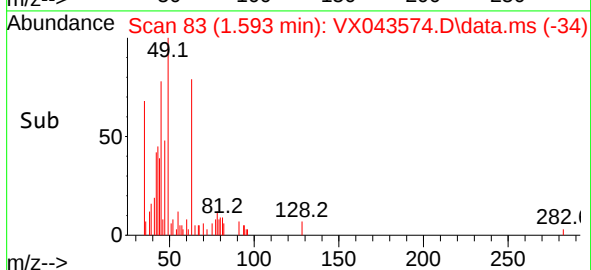
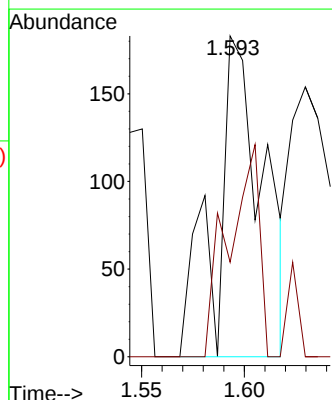
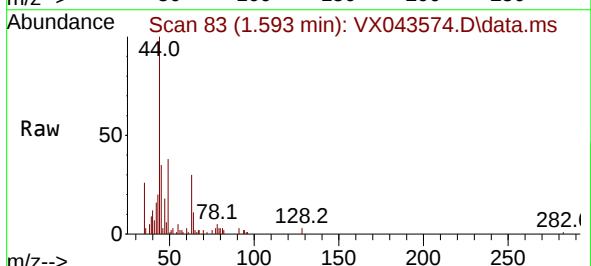
Instrument :
MSVOA_X
ClientSampleId :

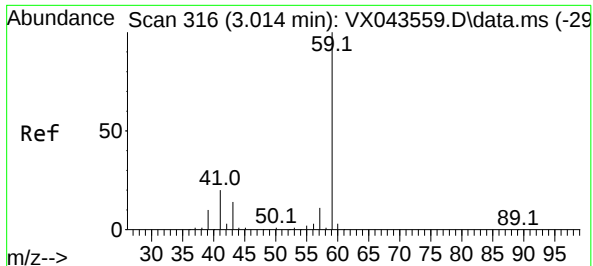
Tgt Ion:168 Resp: 223786
Ion Ratio Lower Upper
168 100
99 60.5 52.6 78.8



#5
Bromomethane
Concen: 0.251 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX043574.D
Acq: 28 Oct 2024 19:33

Tgt Ion: 94 Resp: 290
Ion Ratio Lower Upper
94 100
96 29.5 75.9 113.9#





#11

Tert butyl alcohol

Concen: 0.452 ug/l

RT: 3.044 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX043574.D

Acq: 28 Oct 2024 19:33

Instrument :

MSVOA_X

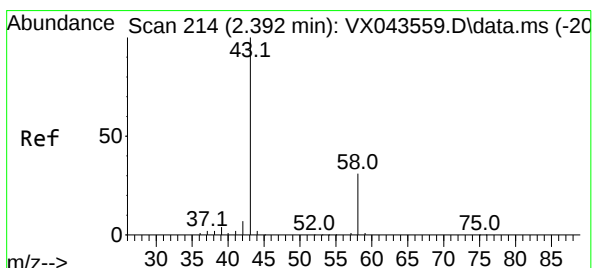
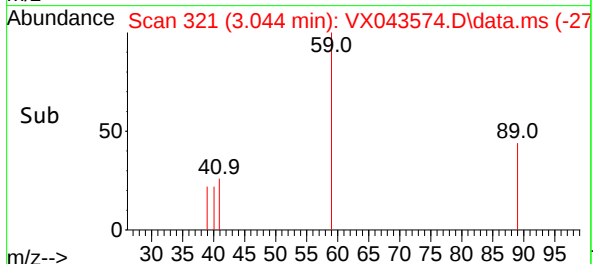
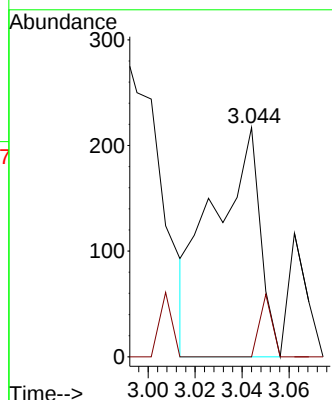
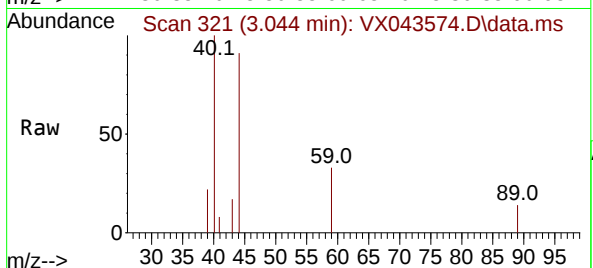
ClientSampleId :

Tgt Ion: 59 Resp: 301

Ion Ratio Lower Upper

59 100

57 7.3 0.0 0.0#



#16

Acetone

Concen: 23.985 ug/l

RT: 2.398 min Scan# 215

Delta R.T. -0.000 min

Lab File: VX043574.D

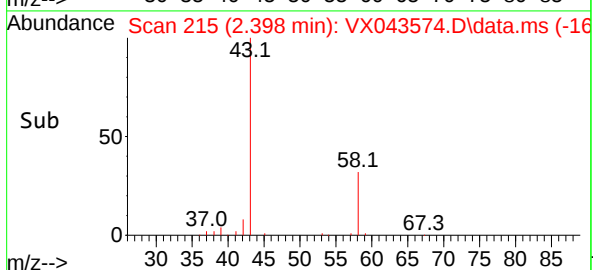
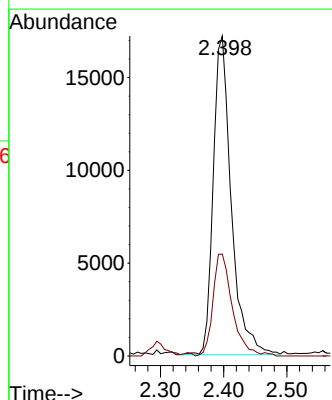
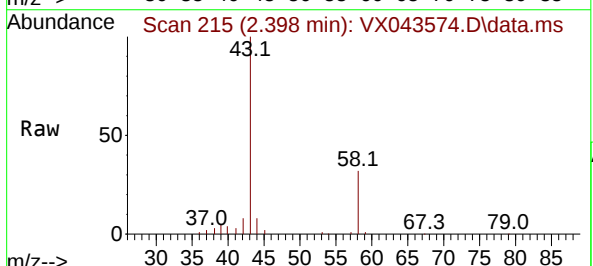
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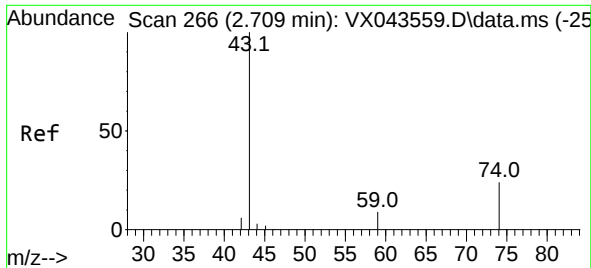
Tgt Ion: 43 Resp: 33986

Ion Ratio Lower Upper

43 100

58 32.0 25.1 37.7

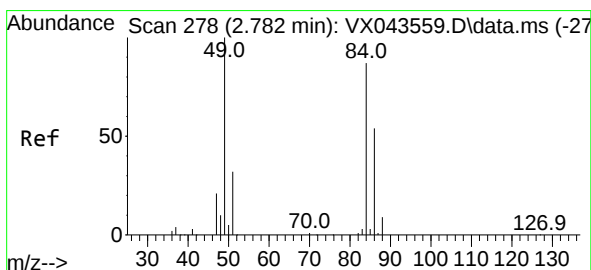
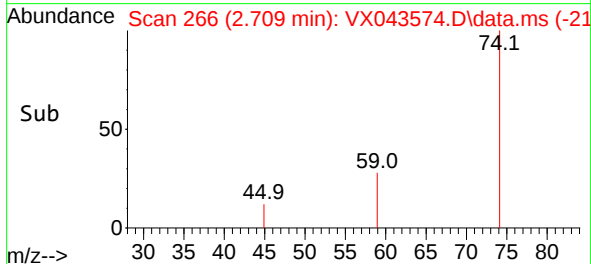
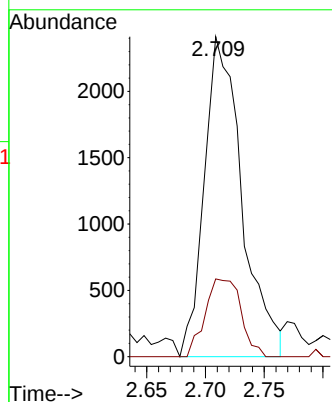
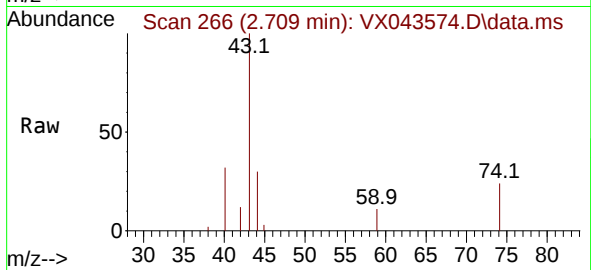




#18
Methyl Acetate
Concen: 1.297 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX043574.D
Acq: 28 Oct 2024 19:33

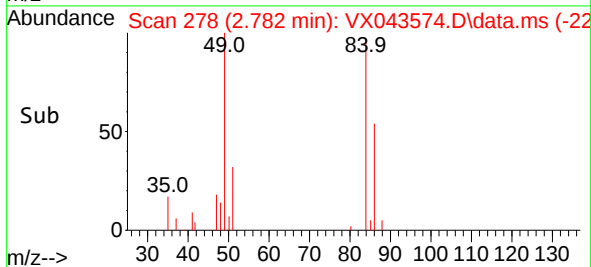
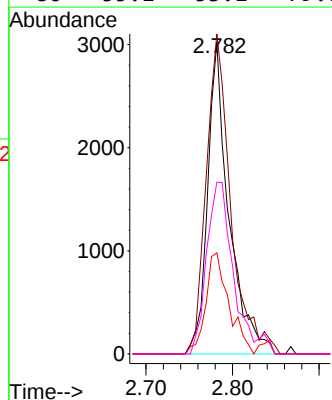
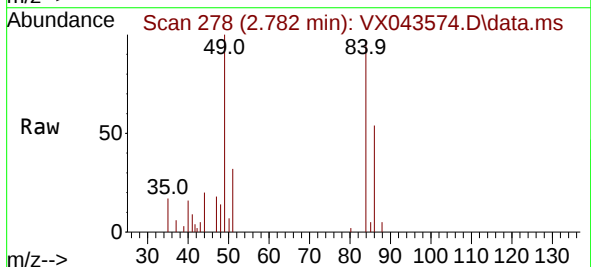
Instrument :
MSVOA_X
ClientSampleId :

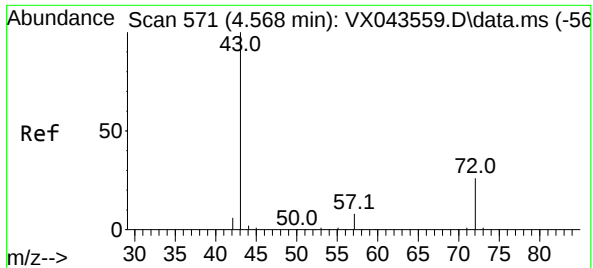
Tgt Ion: 43 Resp: 5373
Ion Ratio Lower Upper
43 100
74 23.1 19.1 28.7



#20
Methylene Chloride
Concen: 1.698 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043574.D
Acq: 28 Oct 2024 19:33

Tgt Ion: 84 Resp: 5187
Ion Ratio Lower Upper
84 100
49 102.6 97.0 145.6
51 32.4 29.8 44.8
86 55.1 53.1 79.7

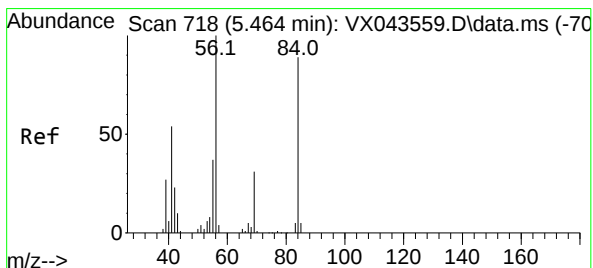
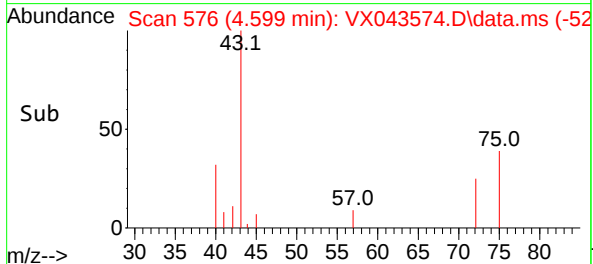
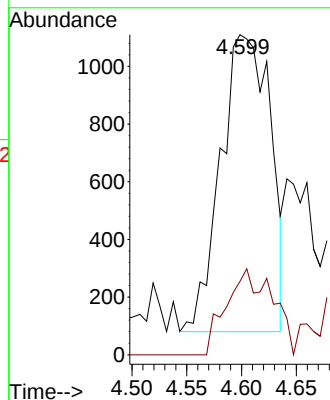
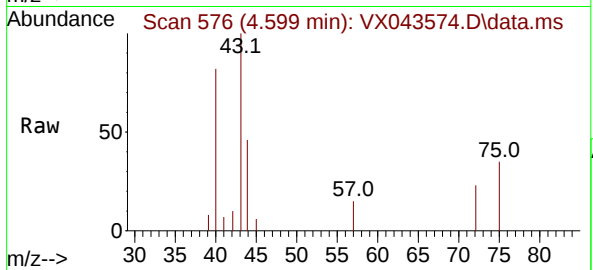




#25
2-Butanone
Concen: 1.570 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX043574.D
Acq: 28 Oct 2024 19:33

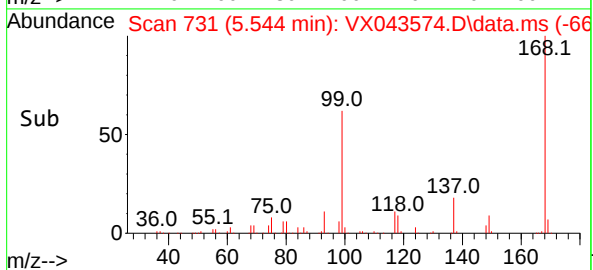
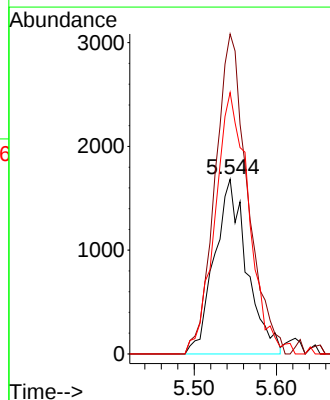
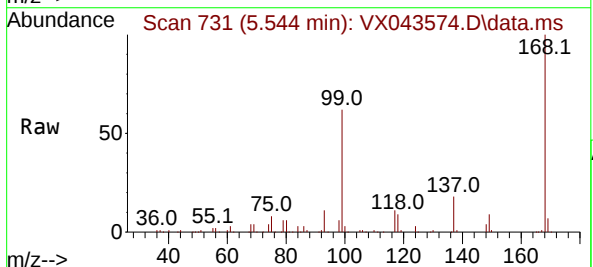
Instrument :
MSVOA_X
ClientSampleId :

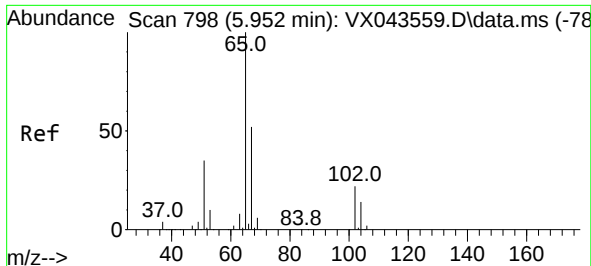
Tgt Ion: 43 Resp: 3246
Ion Ratio Lower Upper
43 100
72 24.8 21.1 31.7



#31
Cyclohexane
Concen: 1.228 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX043574.D
Acq: 28 Oct 2024 19:33

Tgt Ion: 56 Resp: 4627
Ion Ratio Lower Upper
56 100
69 183.2 24.9 37.3#
84 149.7 73.3 109.9#





#33

1,2-Dichloroethane-d4

Concen: 47.608 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043574.D

Acq: 28 Oct 2024 19:33

Instrument :

MSVOA_X

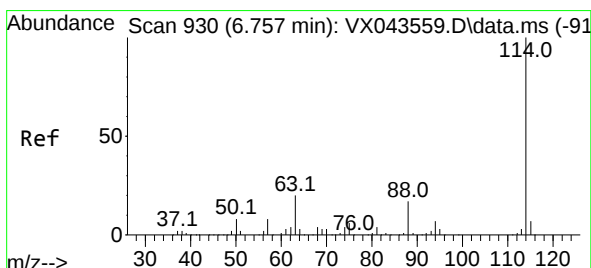
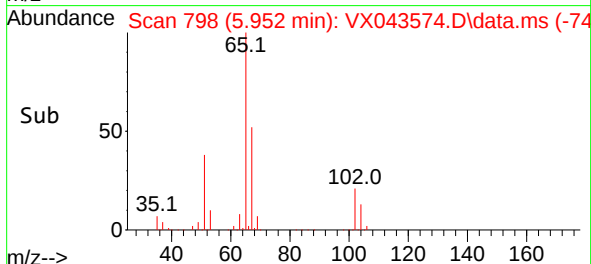
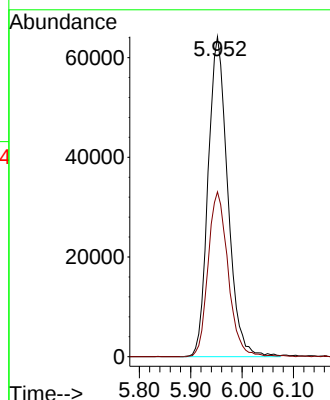
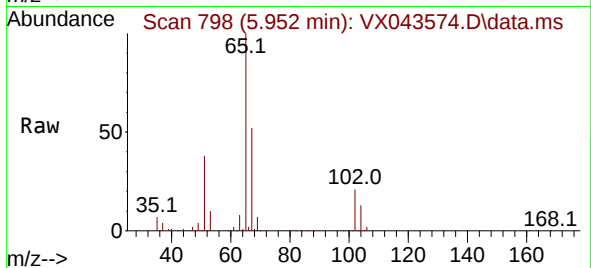
ClientSampleId :

Tgt Ion: 65 Resp: 169882

Ion Ratio Lower Upper

65 100

67 52.4 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: VX043574.D

Acq: 28 Oct 2024 19:33

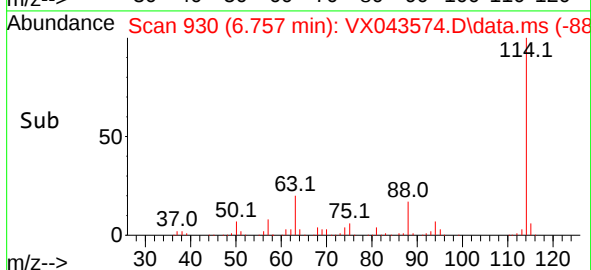
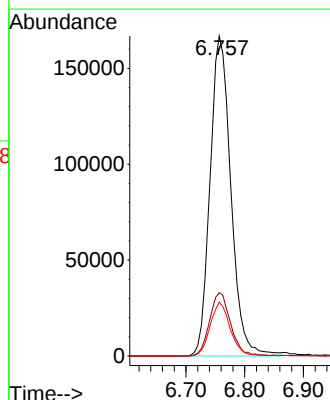
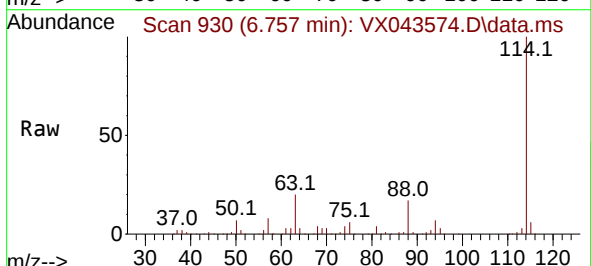
Tgt Ion: 114 Resp: 411284

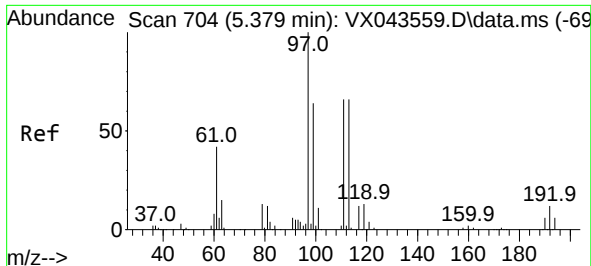
Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.2

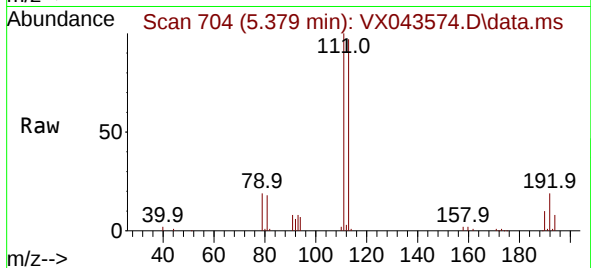
88 16.9 0.0 34.0



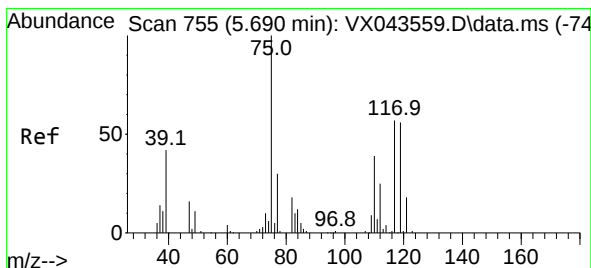
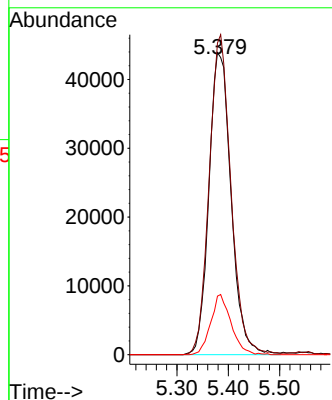
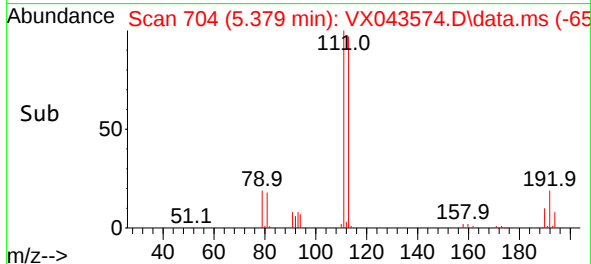


#35
Dibromofluoromethane
Concen: 47.136 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043574.D
Acq: 28 Oct 2024 19:33

Instrument :
MSVOA_X
ClientSampleId :

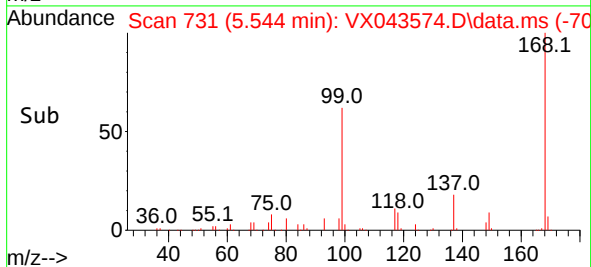
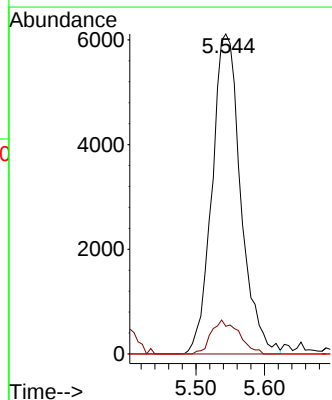
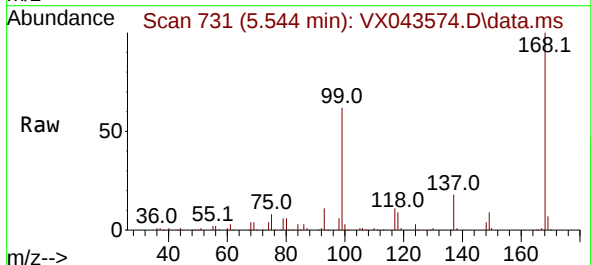


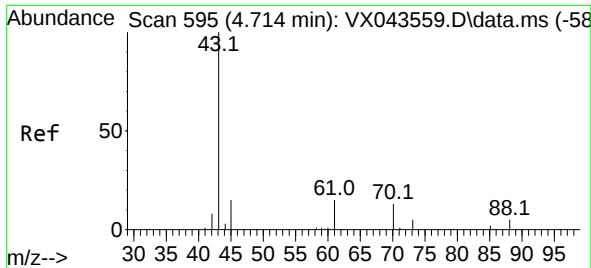
Tgt Ion:113 Resp: 131458
Ion Ratio Lower Upper
113 100
111 104.0 81.4 122.0
192 18.3 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.367 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX043574.D
Acq: 28 Oct 2024 19:33

Tgt Ion: 75 Resp: 17750
Ion Ratio Lower Upper
75 100
110 10.3 17.9 53.7#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.368 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.024 min

Lab File: VX043574.D

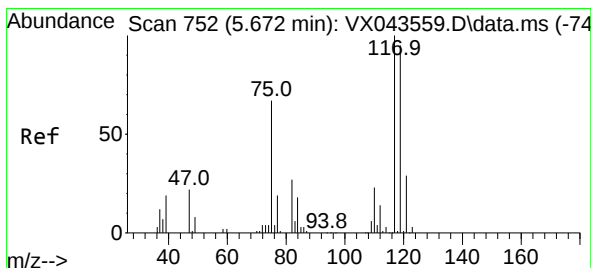
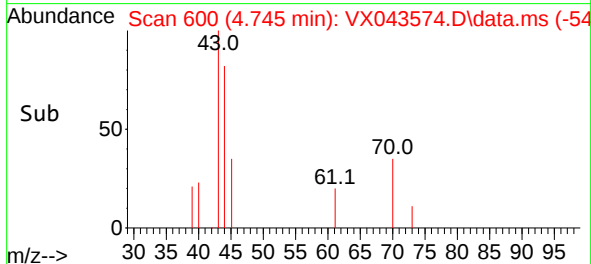
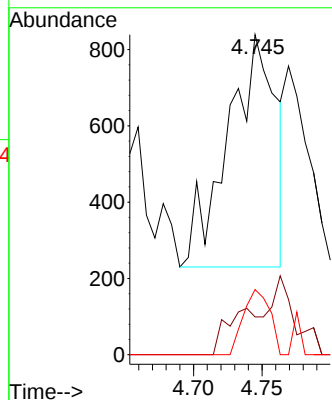
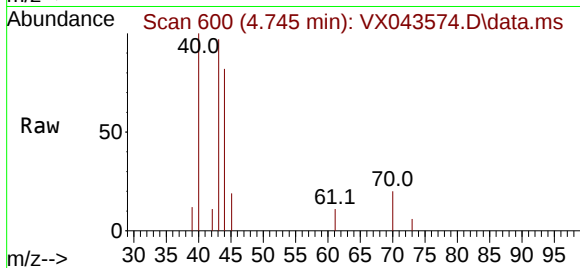
Acq: 28 Oct 2024 19:33

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	43	Resp:	1479
Ion	Ratio	Lower	Upper
43	100		
61	12.4	11.0	16.6
70	15.4	8.9	13.3



#38

Carbon Tetrachloride

Concen: 6.300 ug/l

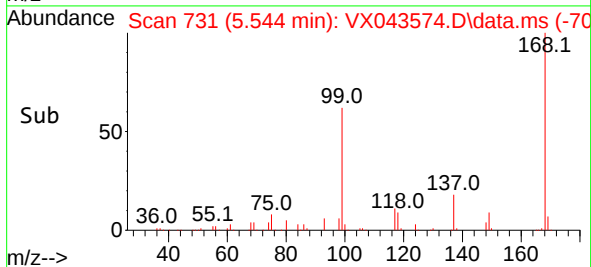
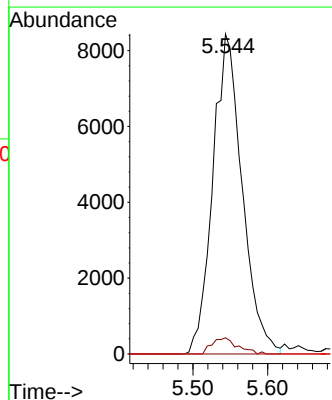
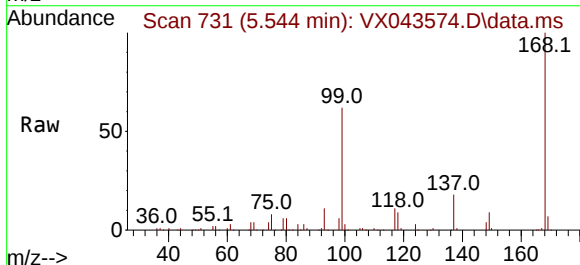
RT: 5.544 min Scan# 731

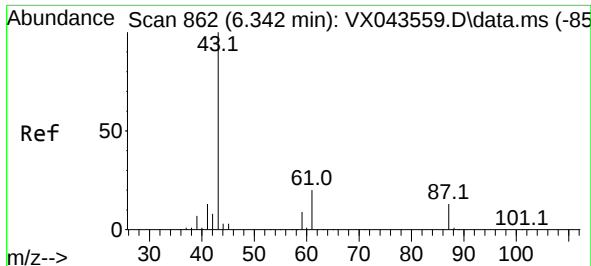
Delta R.T. -0.128 min

Lab File: VX043574.D

Acq: 28 Oct 2024 19:33

Tgt Ion:	117	Resp:	23021
Ion	Ratio	Lower	Upper
117	100		
119	5.0	77.0	115.6
121	0.0	24.7	37.1

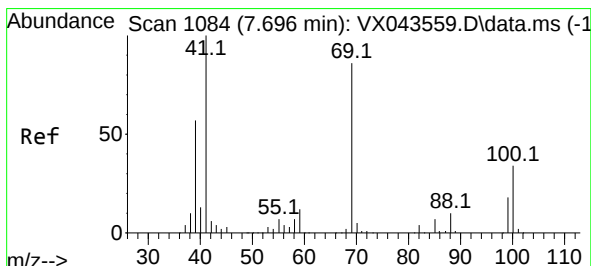
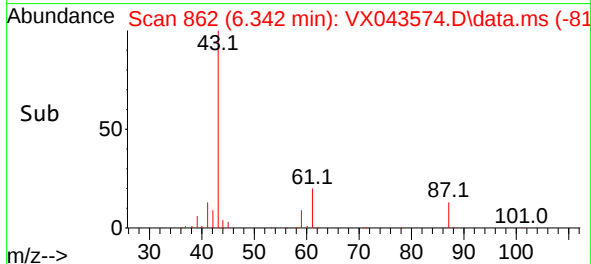
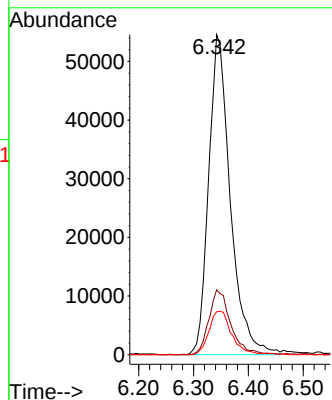
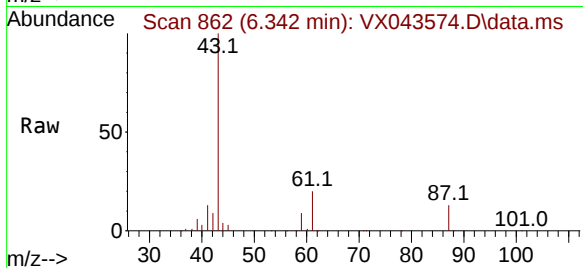




#43
Isopropyl Acetate
Concen: 22.518 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX043574.D
Acq: 28 Oct 2024 19:33

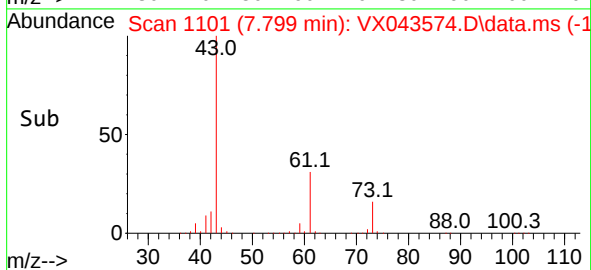
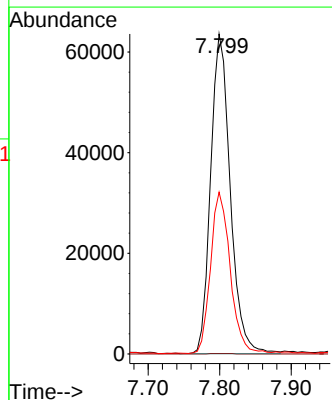
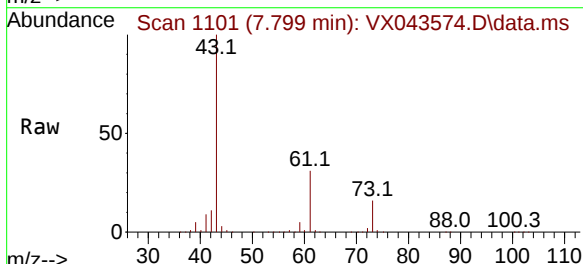
Instrument :
MSVOA_X
ClientSampleId :

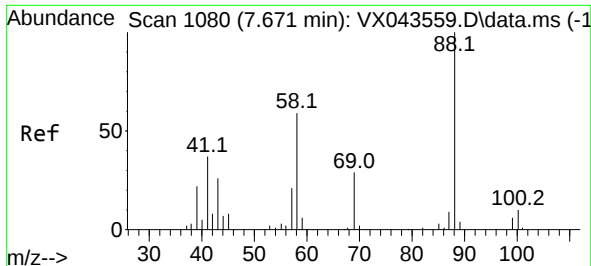
Tgt Ion: 43 Resp: 149507
Ion Ratio Lower Upper
43 100
61 20.4 16.2 24.4
87 14.3 11.0 16.6



#48
Methyl methacrylate
Concen: 38.372 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043574.D
Acq: 28 Oct 2024 19:33

Tgt Ion: 41 Resp: 120793
Ion Ratio Lower Upper
41 100
69 0.1 67.7 101.5#
39 50.7 46.3 69.5

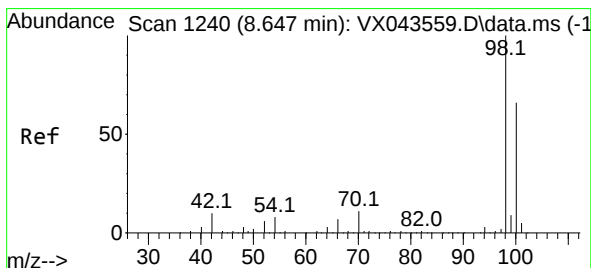
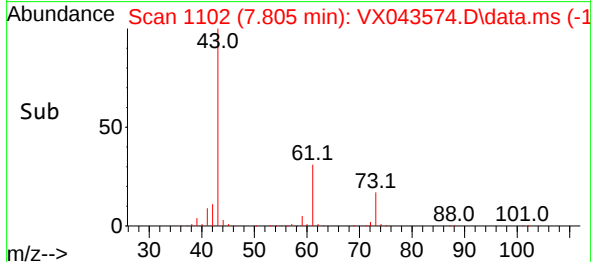
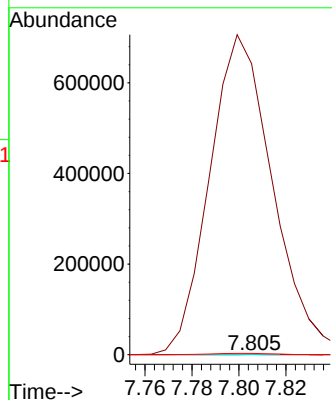
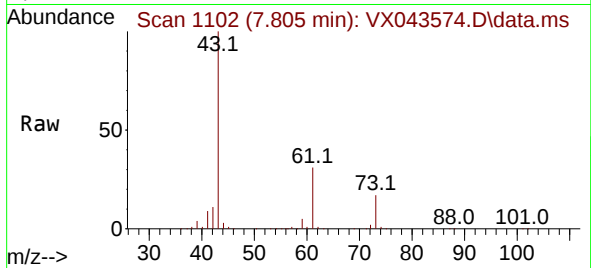




#49
1,4-Dioxane
Concen: 3.665 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.134 min
Lab File: VX043574.D
Acq: 28 Oct 2024 19:33

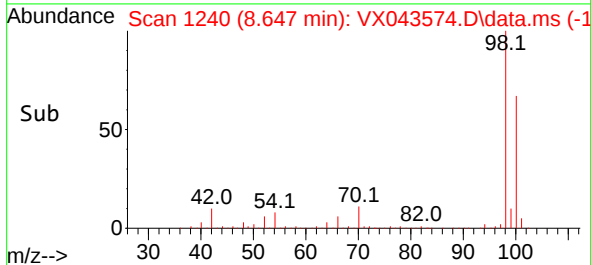
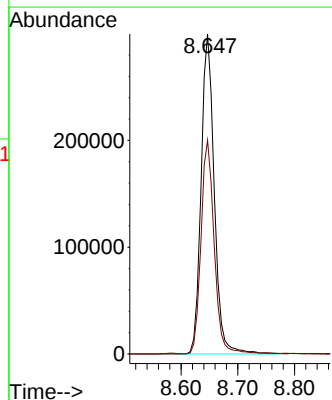
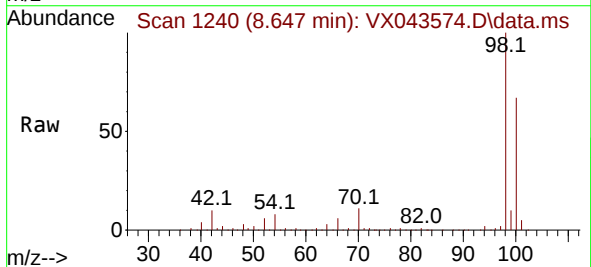
Instrument :
MSVOA_X
ClientSampleId :

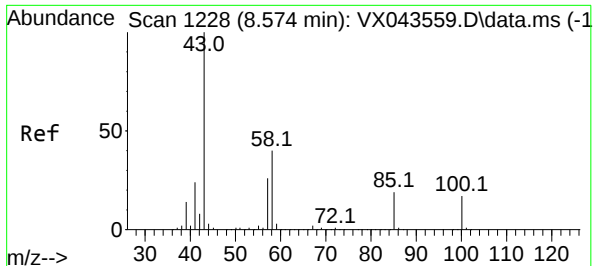
Tgt Ion: 88 Resp: 237
Ion Ratio Lower Upper
88 100
43 566368.4 25.3 37.9#
58 2405.5 53.9 80.9#



#50
Toluene-d8
Concen: 49.995 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043574.D
Acq: 28 Oct 2024 19:33

Tgt Ion: 98 Resp: 482663
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.2





#51

4-Methyl-2-Pentanone

Concen: 28.263 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX043574.D

Acq: 28 Oct 2024 19:33

Instrument :

MSVOA_X

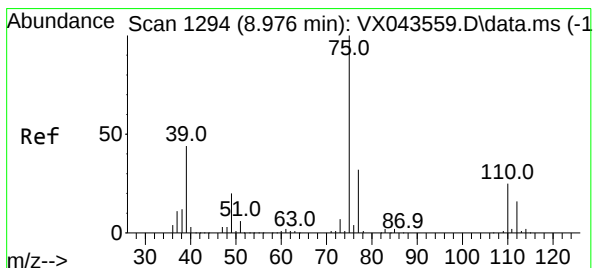
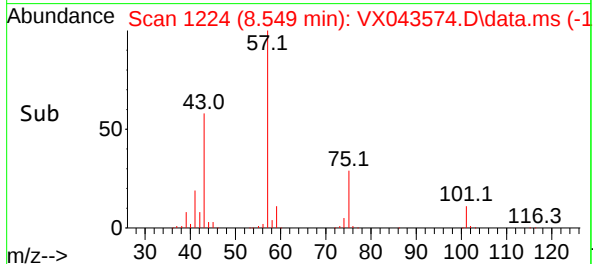
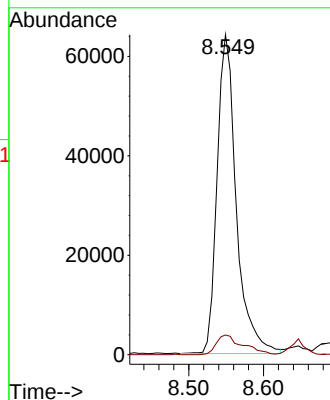
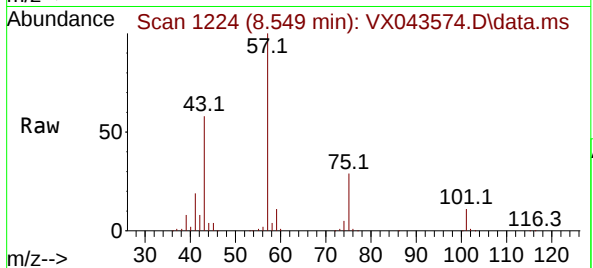
ClientSampleId :

Tgt Ion: 43 Resp: 114373

Ion Ratio Lower Upper

43 100

58 8.6 31.7 47.5#



#53

t-1,3-Dichloropropene

Concen: 0.264 ug/l

RT: 8.951 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX043574.D

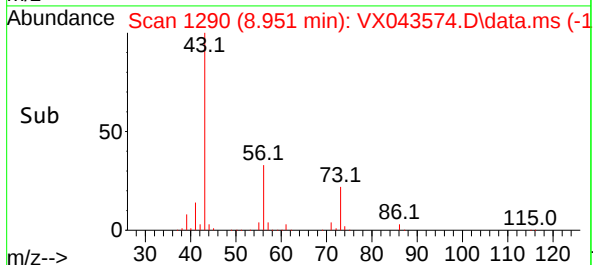
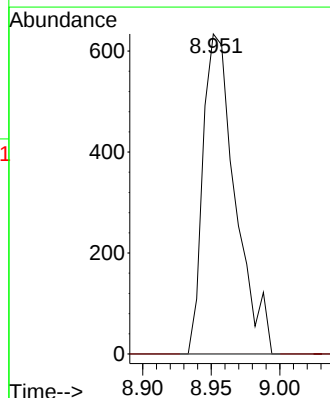
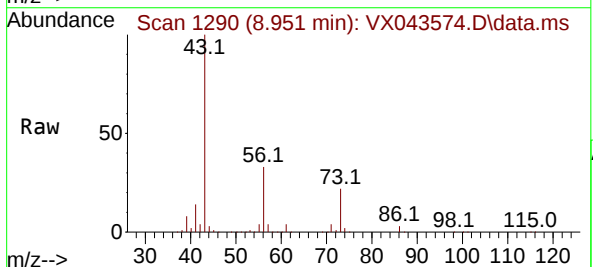
Acq: 28 Oct 2024 19:33

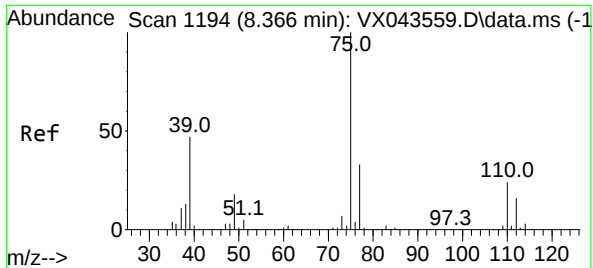
Tgt Ion: 75 Resp: 1039

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#

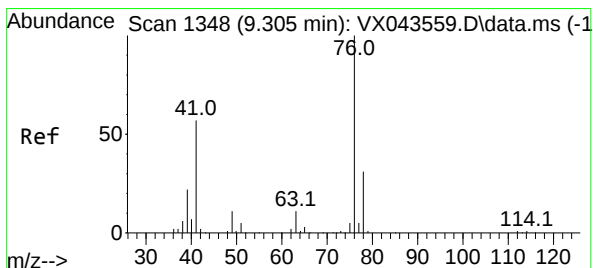
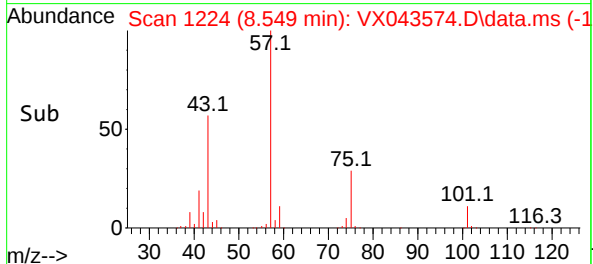
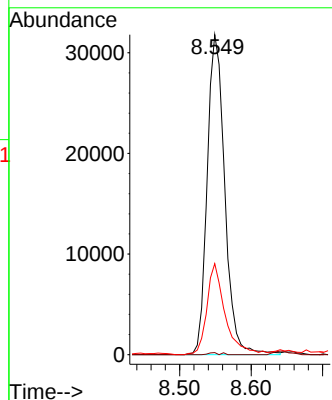
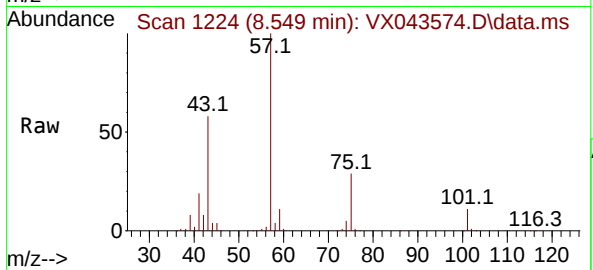




#54
 cis-1,3-Dichloropropene
 Concen: 12.933 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043574.D
 Acq: 28 Oct 2024 19:33

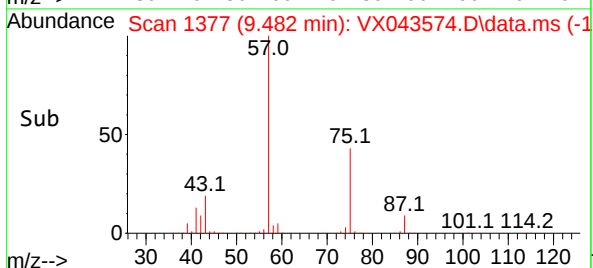
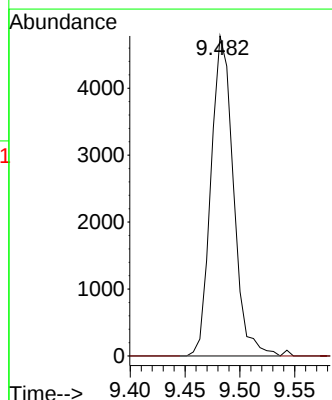
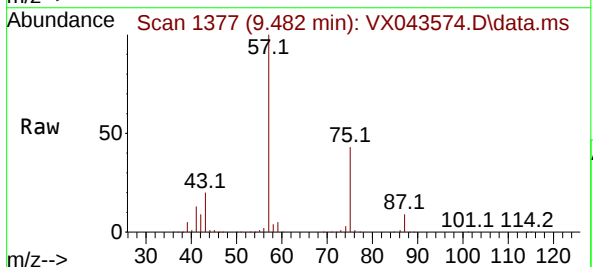
Instrument :
 MSVOA_X
 ClientSampleId :

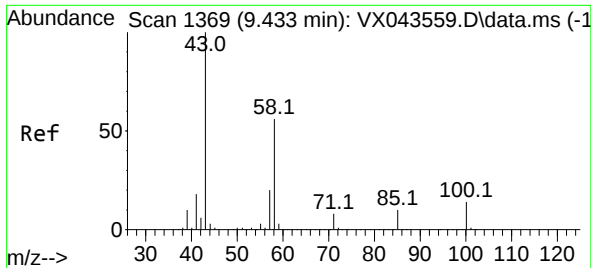
Tgt Ion: 75 Resp: 54307
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.8 37.2#
 39 28.4 37.7 56.5#



#57
 1,3-Dichloropropane
 Concen: 1.470 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX043574.D
 Acq: 28 Oct 2024 19:33

Tgt Ion: 76 Resp: 6810
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

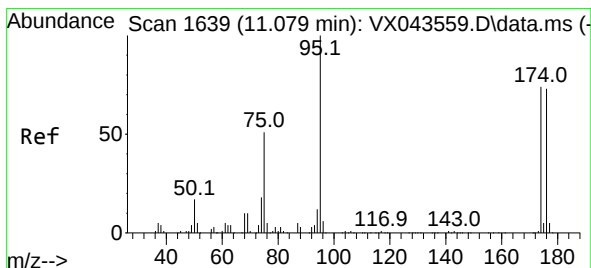
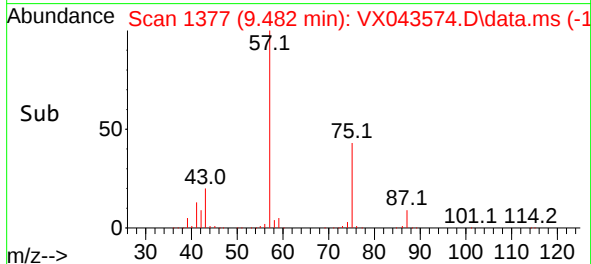
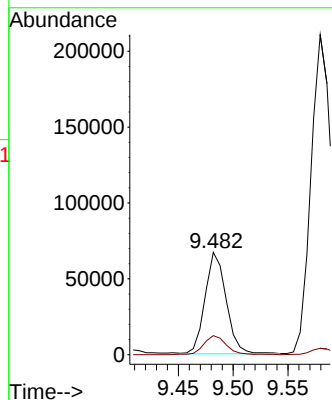
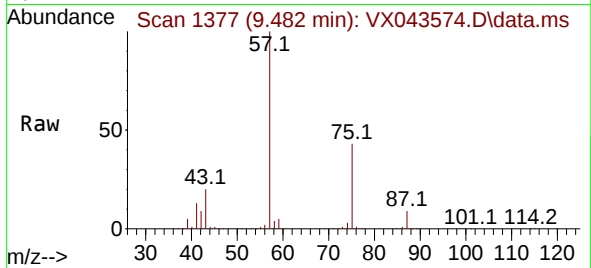




#59
2-Hexanone
Concen: 29.098 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX043574.D
Acq: 28 Oct 2024 19:33

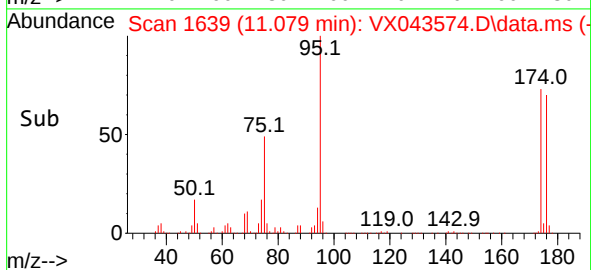
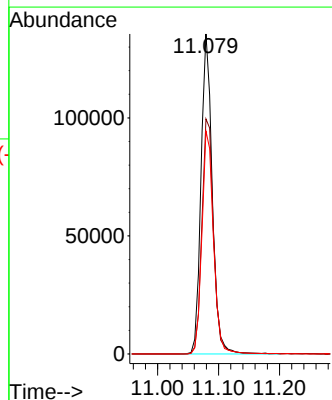
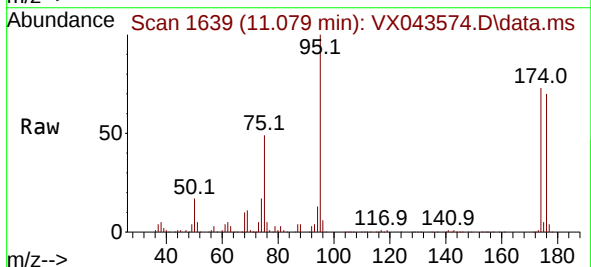
Instrument :
MSVOA_X
ClientSampleId :

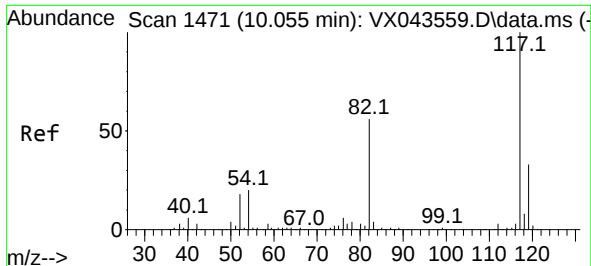
Tgt Ion: 43 Resp: 89433
Ion Ratio Lower Upper
43 100
58 20.2 27.5 82.5#



#62
4-Bromofluorobenzene
Concen: 48.342 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043574.D
Acq: 28 Oct 2024 19:33

Tgt Ion: 95 Resp: 172936
Ion Ratio Lower Upper
95 100
174 77.0 0.0 146.6
176 71.9 0.0 139.6

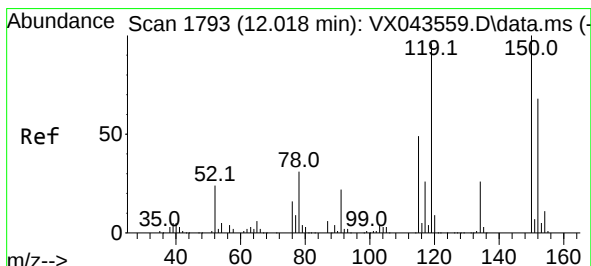
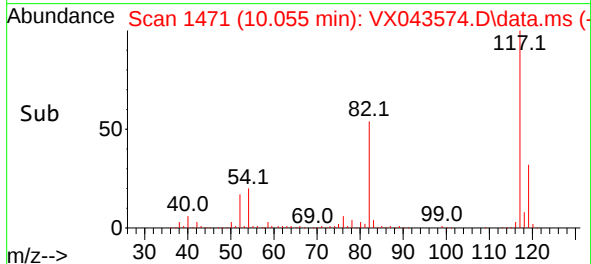
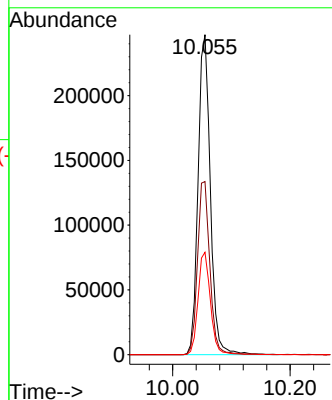
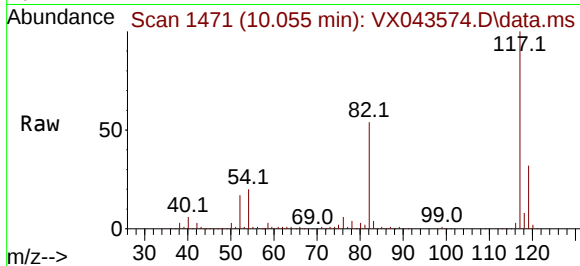




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043574.D
Acq: 28 Oct 2024 19:33

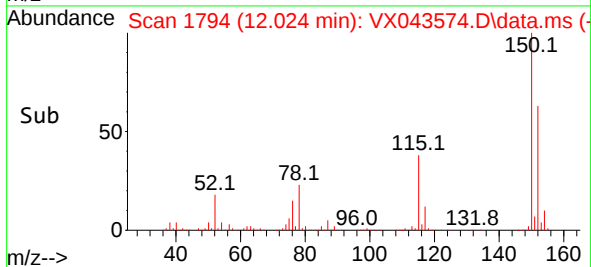
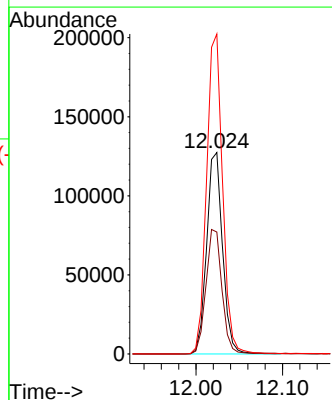
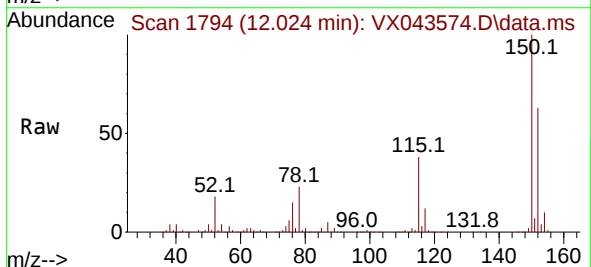
Instrument :
MSVOA_X
ClientSampleId :

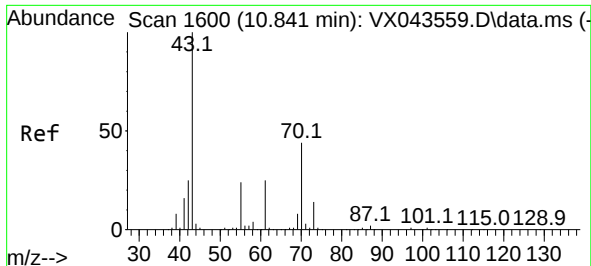
Tgt Ion:117 Resp: 358011
Ion Ratio Lower Upper
117 100
82 54.1 42.1 63.1
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043574.D
Acq: 28 Oct 2024 19:33

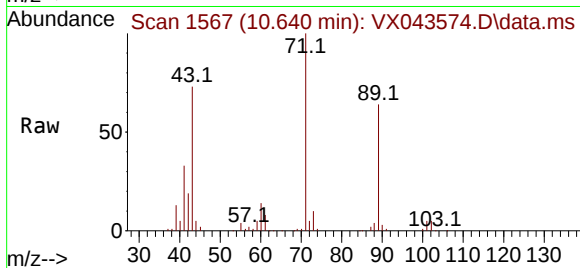
Tgt Ion:152 Resp: 163061
Ion Ratio Lower Upper
152 100
115 62.0 42.9 128.7
150 158.6 0.0 343.6



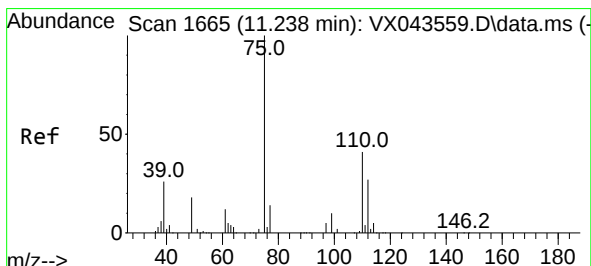
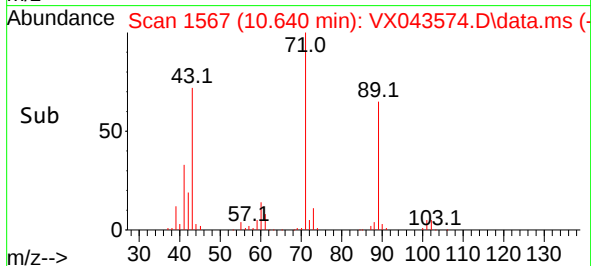
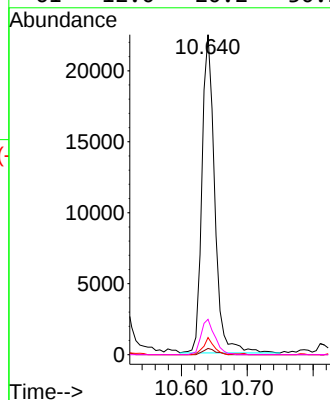


#74
N-amy1 acetate
Concen: 5.376 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX043574.D
Acq: 28 Oct 2024 19:33

Instrument :
MSVOA_X
ClientSampleId :

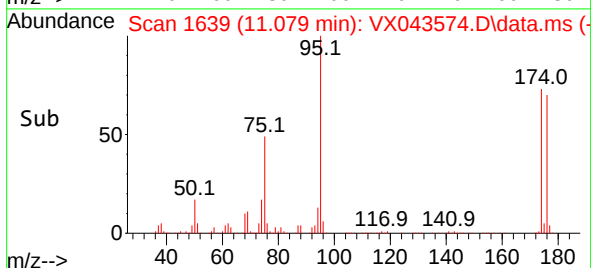
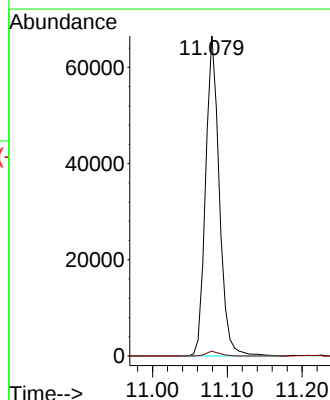
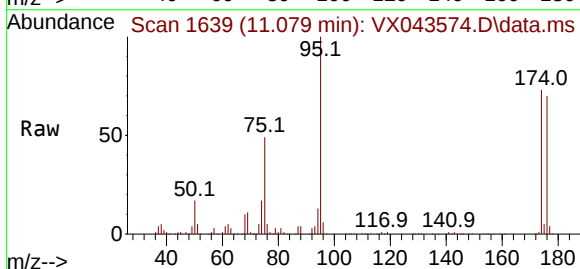


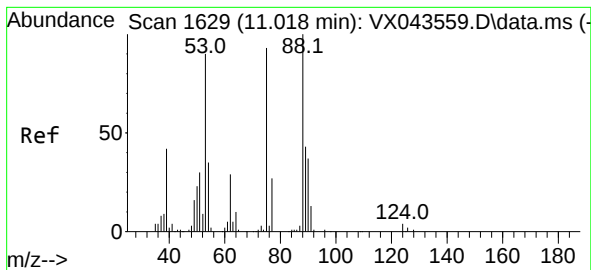
Tgt Ion	Ratio	Lower	Upper
43	100		
70	1.9	34.6	52.0#
55	4.4	19.6	29.4#
61	12.0	20.2	30.2#



#76
1,2,3-Trichloropropane
Concen: 24.293 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043574.D
Acq: 28 Oct 2024 19:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	22.4	67.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.832 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043574.D
 Acq: 28 Oct 2024 19:33

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 84698
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.6 126.8#
 89 0.0 38.6 58.0#

