

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120224\
 Data File : VX044063.D
 Acq On : 02 Dec 2024 14:07
 Operator : JC/MD
 Sample : PB165251TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

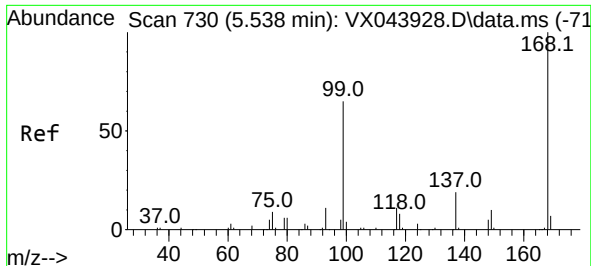
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 03 00:20:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

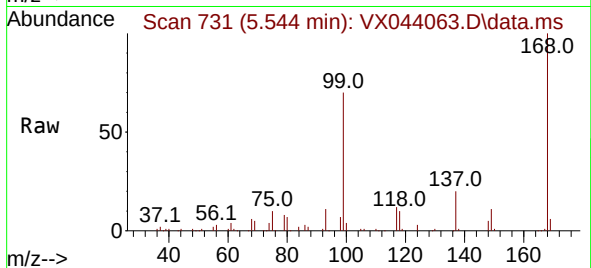
Internal Standards						
1) Pentafluorobenzene	5.544	168	118490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	233518	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	89747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	105828	52.073	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.140%	
35) Dibromofluoromethane	5.385	113	77332	46.345	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 92.700%	
50) Toluene-d8	8.647	98	283973	49.371	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.740%	
62) 4-Bromofluorobenzene	11.079	95	98282	50.208	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.420%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	556	0.538	ug/l	89
6) Chloroethane	1.666	64	334	0.326	ug/l #	42
11) Tert butyl alcohol	2.995	59	530	1.625	ug/l #	73
16) Acetone	2.386	43	37961	40.669	ug/l	95
18) Methyl Acetate	2.703	43	2231	1.026	ug/l #	89
20) Methylene Chloride	2.788	84	2961	1.869	ug/l #	88
25) 2-Butanone	4.599	43	2997	2.488	ug/l	93
29) Tetrahydrofuran	5.032	42	419	0.567	ug/l #	46
31) Cyclohexane	5.544	56	3228	1.425	ug/l #	28
36) 1,1-Dichloropropene	5.538	75	11765	5.658	ug/l #	50
37) Ethyl Acetate	4.745	43	3618	1.402	ug/l #	72
38) Carbon Tetrachloride	5.538	117	14270	6.108	ug/l #	15
43) Isopropyl Acetate	6.336	43	115786	28.188	ug/l	100
48) Methyl methacrylate	7.793	41	99940	50.705	ug/l #	45
49) 1,4-Dioxane	7.787	88	100	2.848	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	86575	34.538	ug/l #	48
53) t-1,3-Dichloropropene	8.952	75	707	0.308	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	35347	14.049	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	4853	1.800	ug/l #	42
58) 2-Chloroethyl Vinyl ether	8.318	63	20	Below Cal	#	46
59) 2-Hexanone	9.378	43	98854	52.468	ug/l #	26
74) N-amyl acetate	10.640	43	18099	5.663	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	56286	28.599	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	56286	78.039	ug/l #	6
95) Naphthalene	13.780	128	1338	0.208	ug/l #	89

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

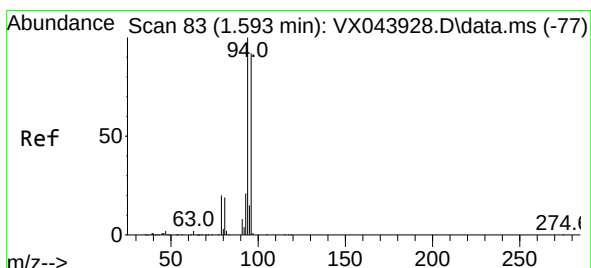
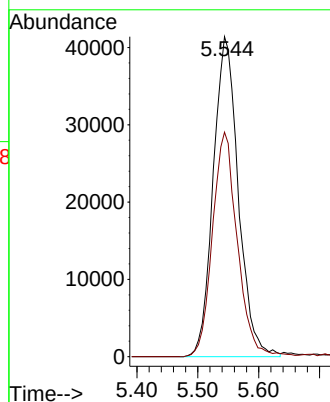
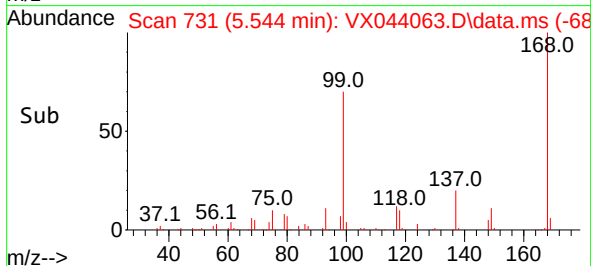


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044063.D
Acq: 02 Dec 2024 14:07

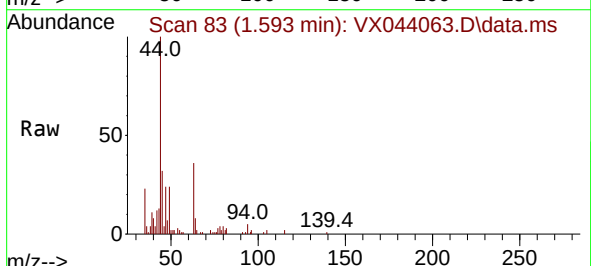
Instrument :
MSVOA_X
ClientSampleId :



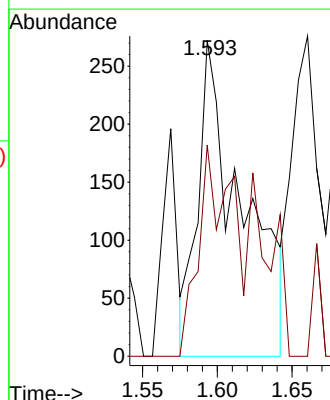
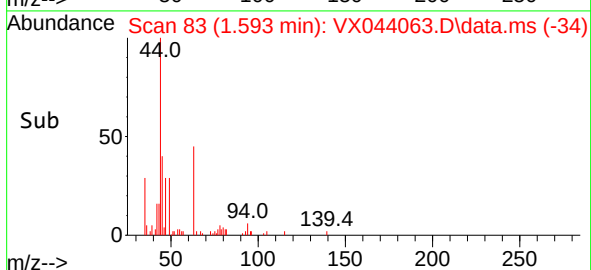
Tgt Ion:168 Resp: 118490
Ion Ratio Lower Upper
168 100
99 70.1 51.8 77.8

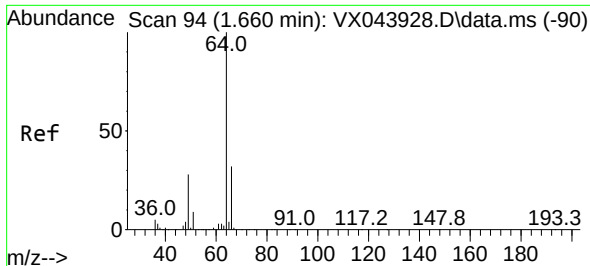


#5
Bromomethane
Concen: 0.538 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044063.D
Acq: 02 Dec 2024 14:07



Tgt Ion: 94 Resp: 556
Ion Ratio Lower Upper
94 100
96 82.4 73.9 110.9

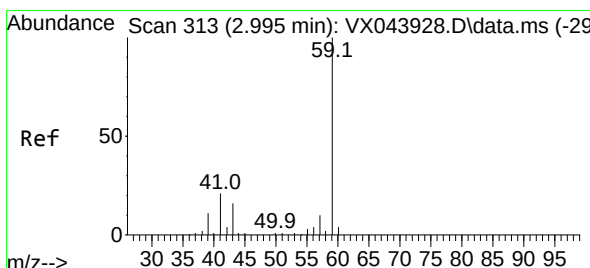
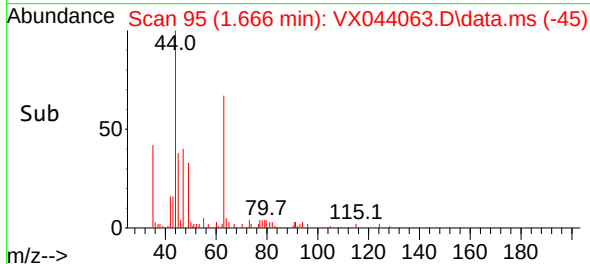
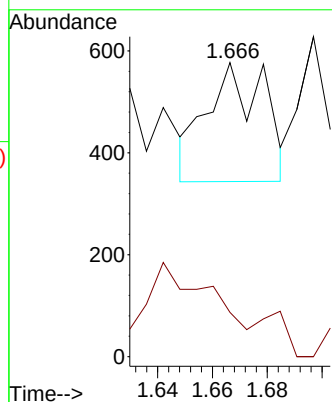
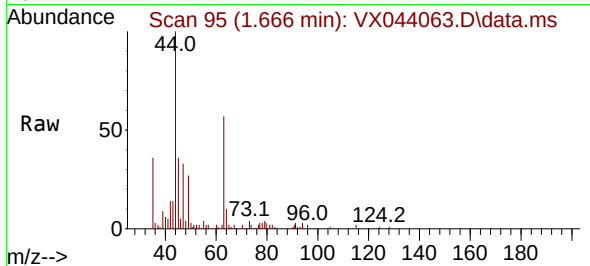




#6
Chloroethane
Concen: 0.326 ug/l
RT: 1.666 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX044063.D
Acq: 02 Dec 2024 14:07

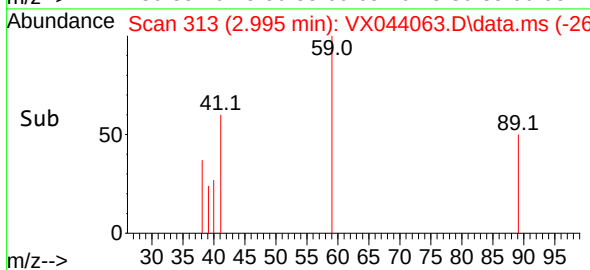
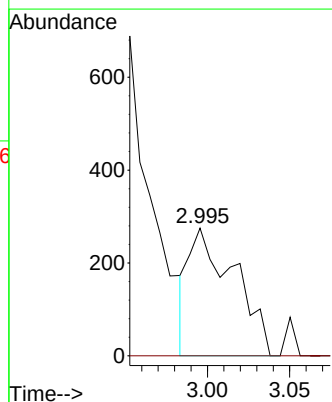
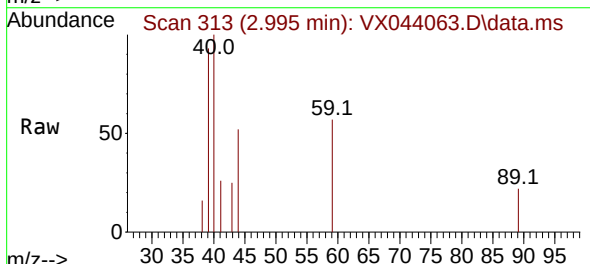
Instrument :
MSVOA_X
ClientSampleId :

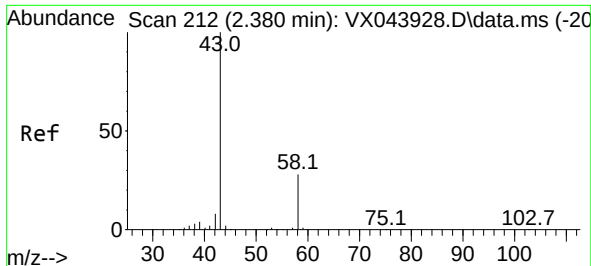
Tgt Ion: 64 Resp: 334
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#11
Tert butyl alcohol
Concen: 1.625 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.000 min
Lab File: VX044063.D
Acq: 02 Dec 2024 14:07

Tgt Ion: 59 Resp: 530
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

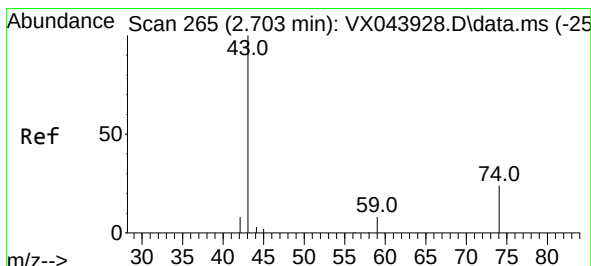
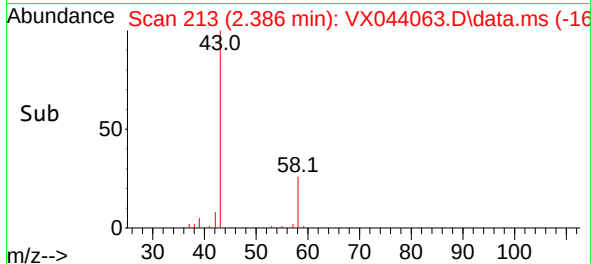
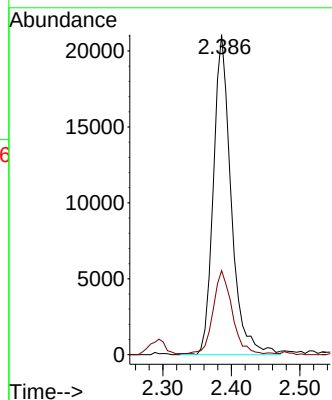
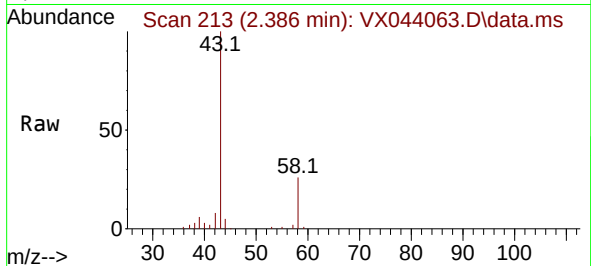




#16
Acetone
Concen: 40.669 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX044063.D
Acq: 02 Dec 2024 14:07

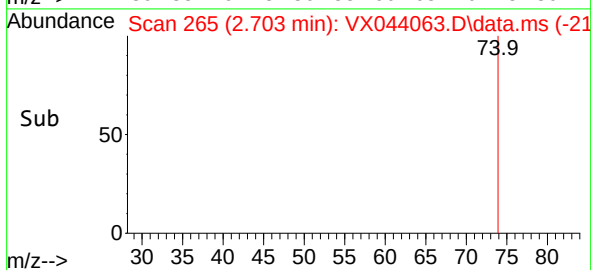
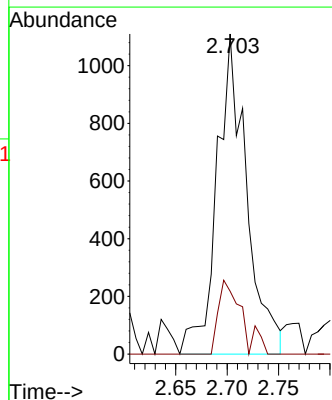
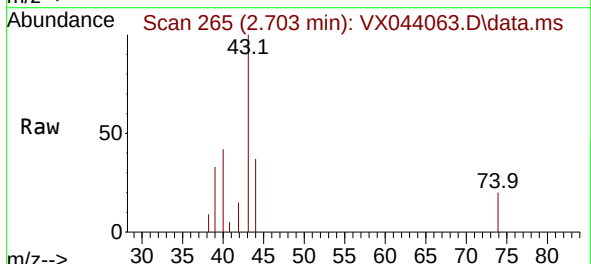
Instrument :
MSVOA_X
ClientSampleId :

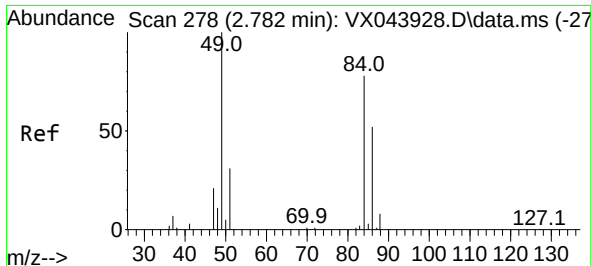
Tgt Ion: 43 Resp: 37961
Ion Ratio Lower Upper
43 100
58 25.9 22.7 34.1



#18
Methyl Acetate
Concen: 1.026 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX044063.D
Acq: 02 Dec 2024 14:07

Tgt Ion: 43 Resp: 2231
Ion Ratio Lower Upper
43 100
74 18.2 18.9 28.3#





#20

Methylene Chloride

Concen: 1.869 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

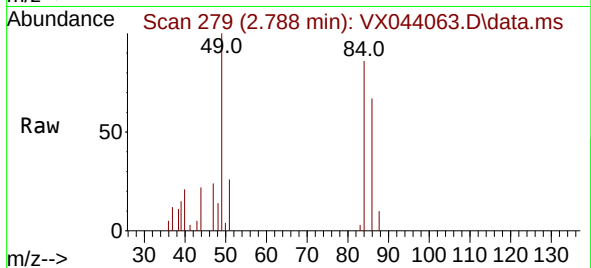
Lab File: VX044063.D

Acq: 02 Dec 2024 14:07

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 2961

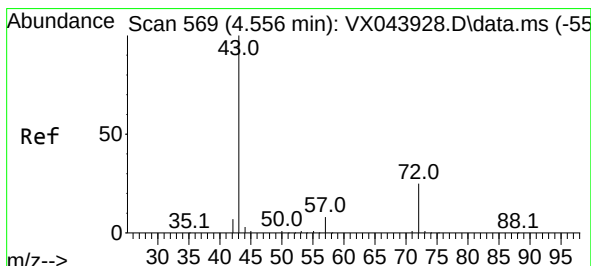
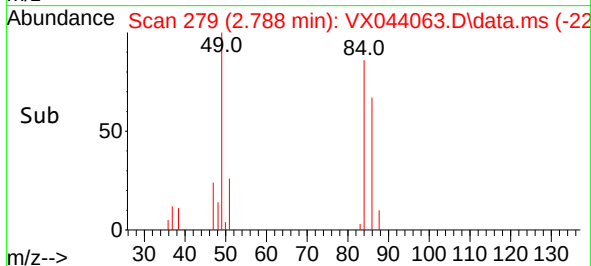
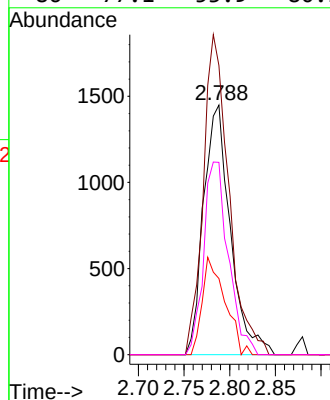
Ion Ratio Lower Upper

84 100

49 115.9 102.7 154.1

51 30.5 31.7 47.5#

86 77.1 53.9 80.9



#25

2-Butanone

Concen: 2.488 ug/l

RT: 4.599 min Scan# 576

Delta R.T. 0.043 min

Lab File: VX044063.D

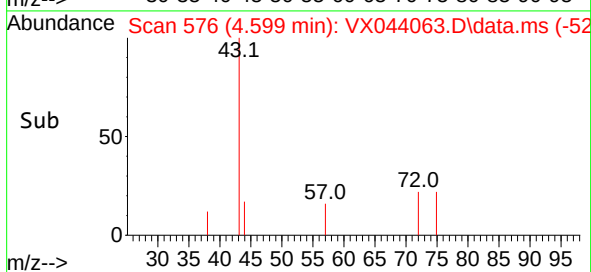
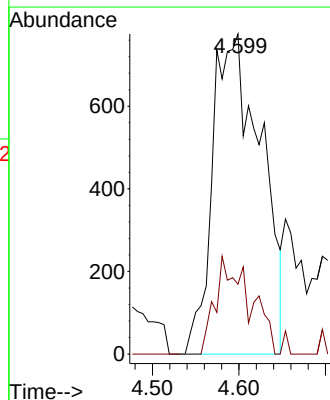
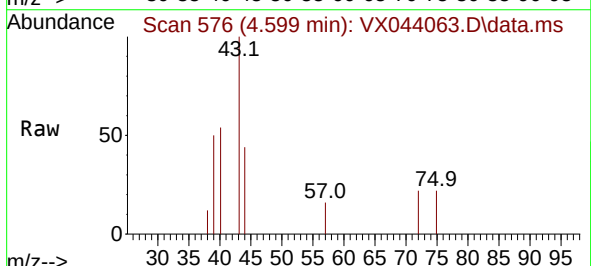
Acq: 02 Dec 2024 14:07

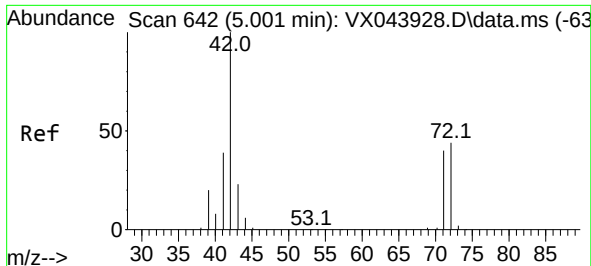
Tgt Ion: 43 Resp: 2997

Ion Ratio Lower Upper

43 100

72 21.8 20.2 30.2





#29

Tetrahydrofuran

Concen: 0.567 ug/l

RT: 5.032 min Scan# 642

Delta R.T. 0.030 min

Lab File: VX044063.D

Acq: 02 Dec 2024 14:07

Instrument :

MSVOA_X

ClientSampleId :

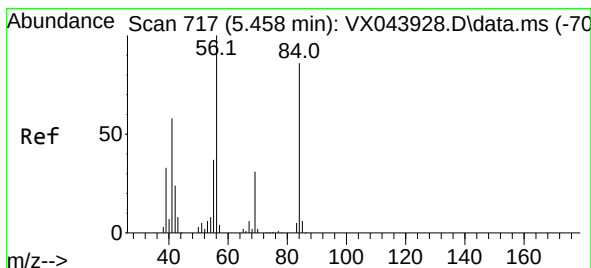
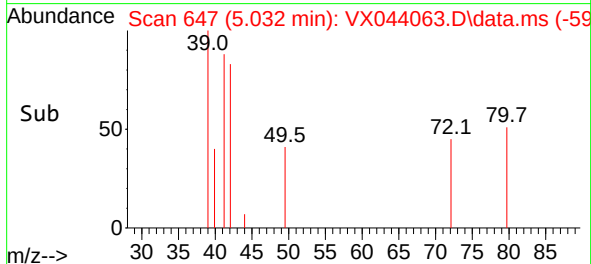
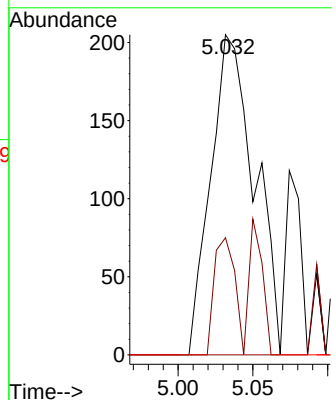
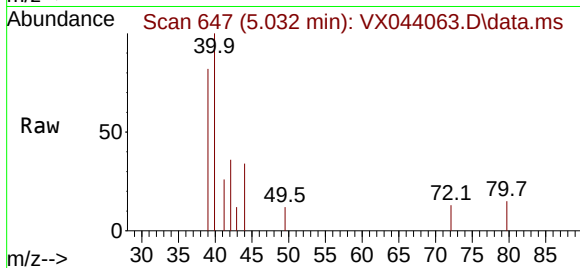
Tgt Ion: 42 Resp: 419

Ion Ratio Lower Upper

42 100

72 17.2 36.4 54.6#

71 0.0 33.4 50.0#



#31

Cyclohexane

Concen: 1.425 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.085 min

Lab File: VX044063.D

Acq: 02 Dec 2024 14:07

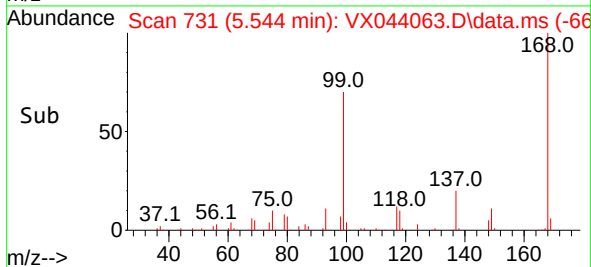
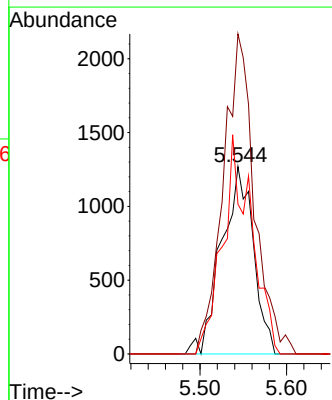
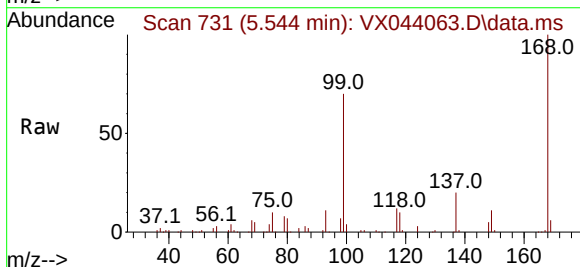
Tgt Ion: 56 Resp: 3228

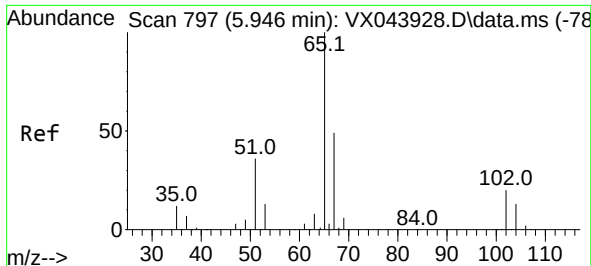
Ion Ratio Lower Upper

56 100

69 170.8 24.7 37.1#

84 80.0 68.7 103.1





#33

1,2-Dichloroethane-d4

Concen: 52.073 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.000 min

Lab File: VX044063.D

Acq: 02 Dec 2024 14:07

Instrument :

MSVOA_X

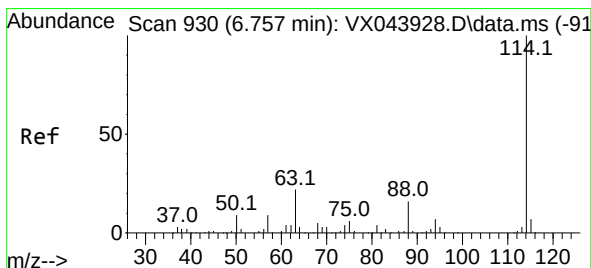
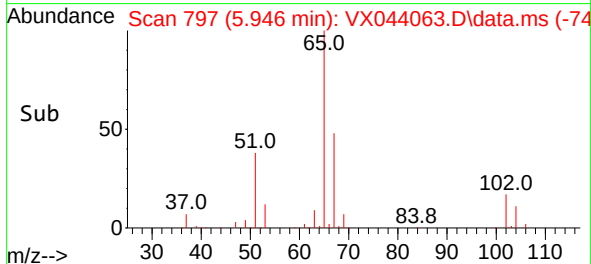
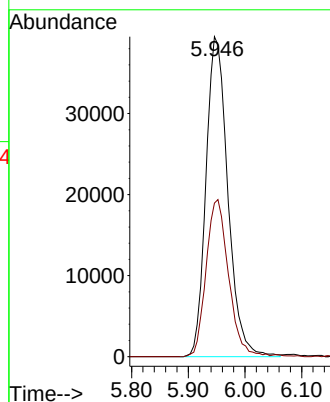
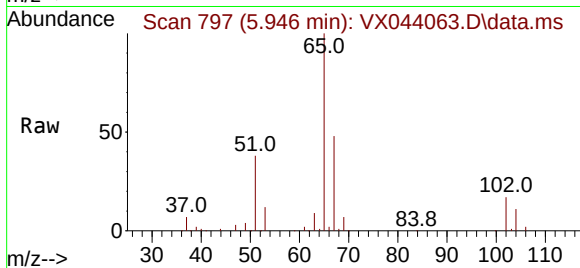
ClientSampleId :

Tgt Ion: 65 Resp: 105828

Ion Ratio Lower Upper

65 100

67 50.4 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044063.D

Acq: 02 Dec 2024 14:07

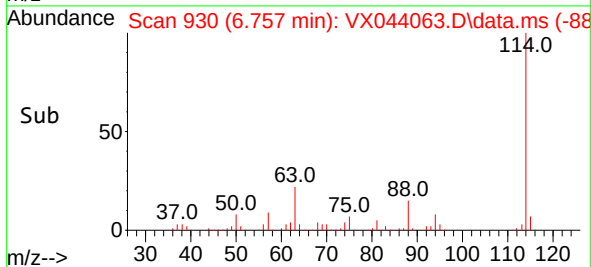
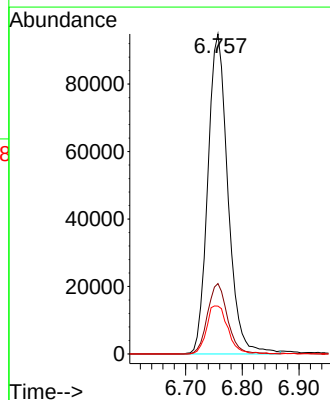
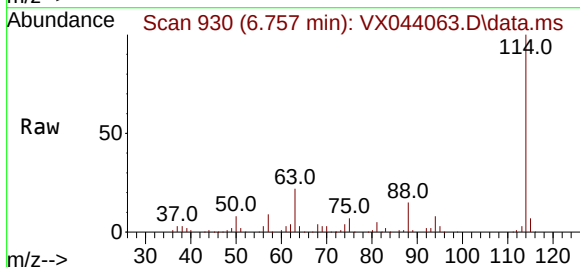
Tgt Ion: 114 Resp: 233518

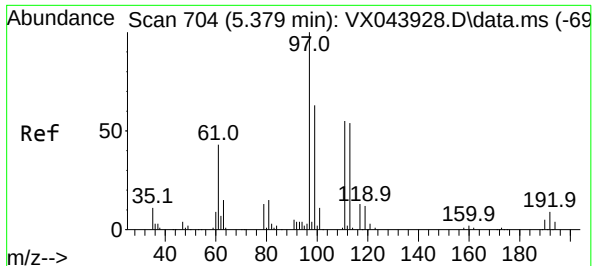
Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.0

88 15.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 46.345 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX044063.D

Acq: 02 Dec 2024 14:07

Instrument :

MSVOA_X

ClientSampleId :

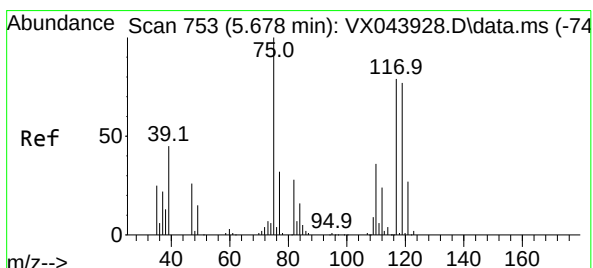
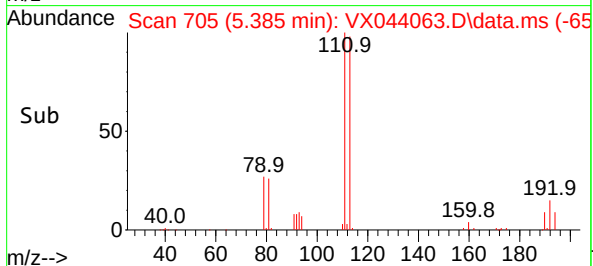
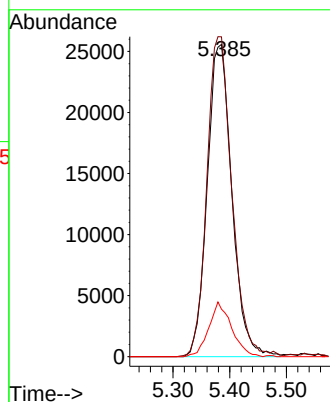
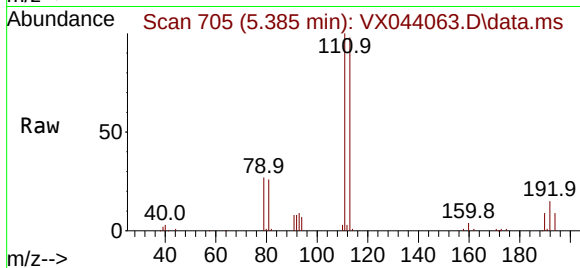
Tgt Ion:113 Resp: 77332

Ion Ratio Lower Upper

113 100

111 103.8 81.0 121.4

192 16.2 13.0 19.6



#36

1,1-Dichloropropene

Concen: 5.658 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.140 min

Lab File: VX044063.D

Acq: 02 Dec 2024 14:07

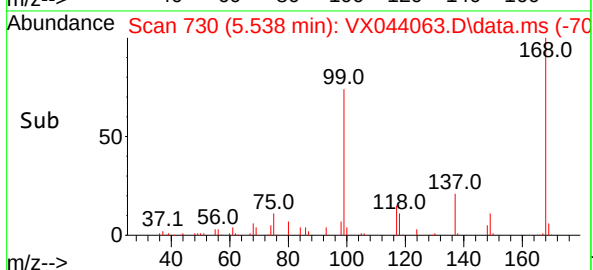
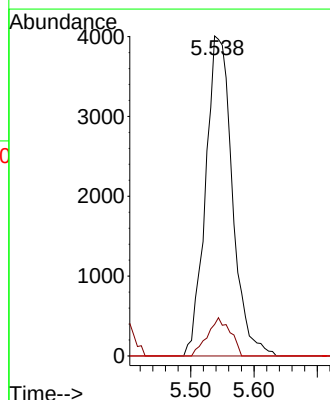
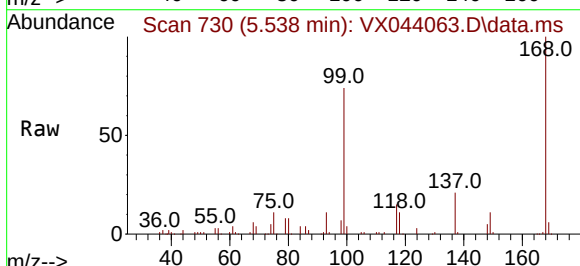
Tgt Ion: 75 Resp: 11765

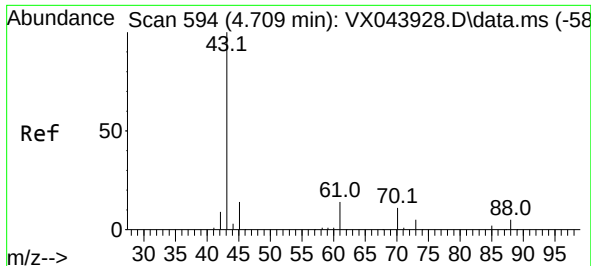
Ion Ratio Lower Upper

75 100

110 10.2 17.4 52.2#

77 0.0 25.8 38.8#





#37

Ethyl Acetate

Concen: 1.402 ug/l

RT: 4.745 min Scan# 60

Delta R.T. 0.037 min

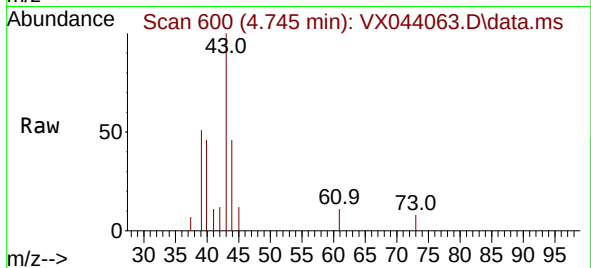
Lab File: VX044063.D

Acq: 02 Dec 2024 14:07

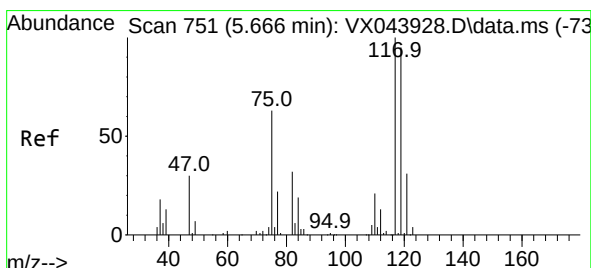
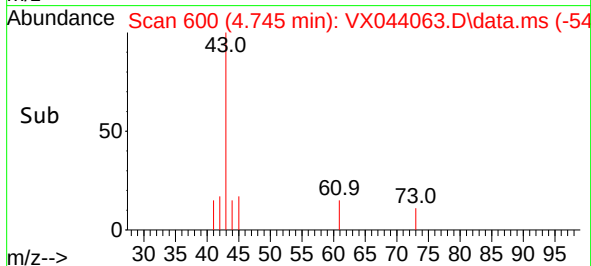
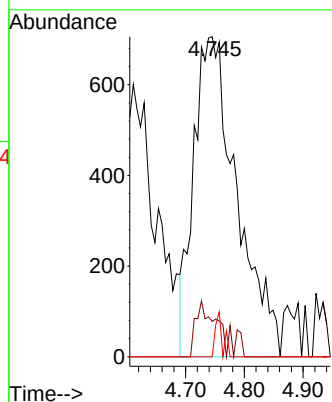
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	3618
Ion Ratio	Lower	Upper	
43	100		
61	0.0	10.7	16.1#
70	2.3	8.0	12.0#



#38

Carbon Tetrachloride

Concen: 6.108 ug/l

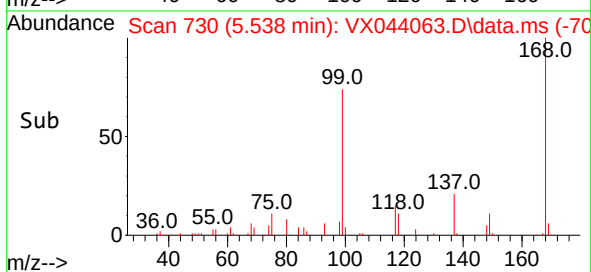
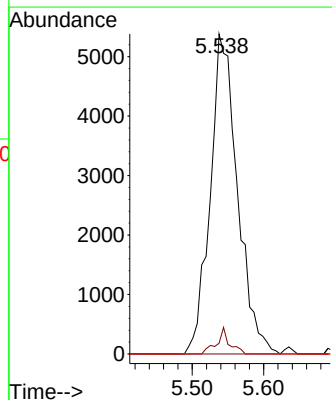
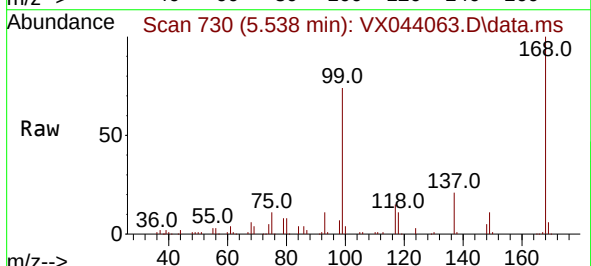
RT: 5.538 min Scan# 730

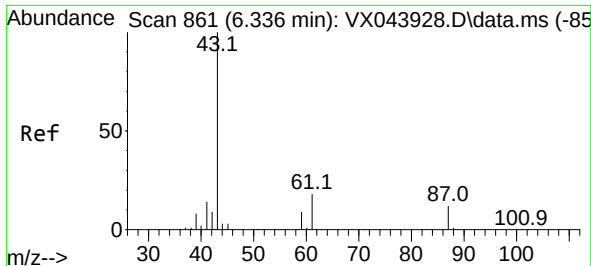
Delta R.T. -0.128 min

Lab File: VX044063.D

Acq: 02 Dec 2024 14:07

Tgt Ion:	117	Resp:	14270
Ion Ratio	Lower	Upper	
117	100		
119	3.4	75.2	112.8#
121	0.0	24.5	36.7#

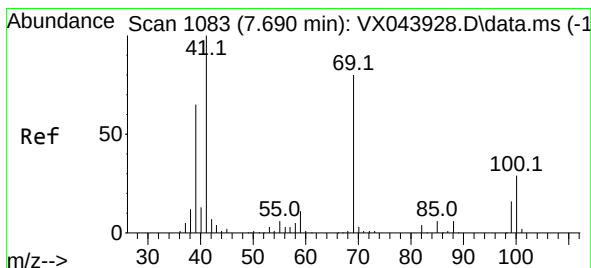
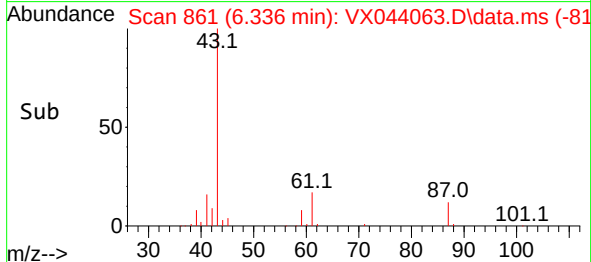
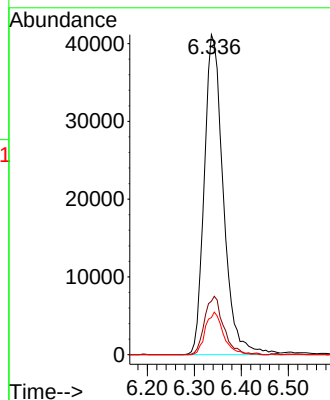
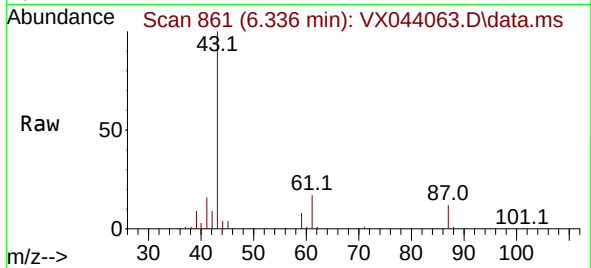




#43
Isopropyl Acetate
Concen: 28.188 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX044063.D
Acq: 02 Dec 2024 14:07

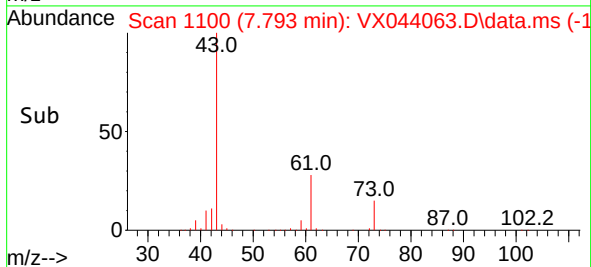
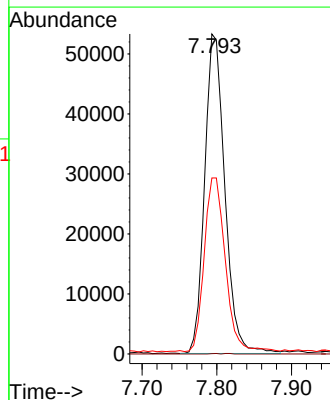
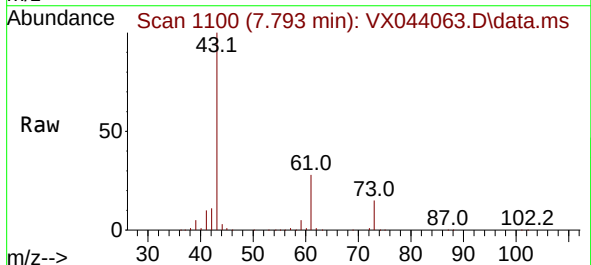
Instrument :
MSVOA_X
ClientSampleId :

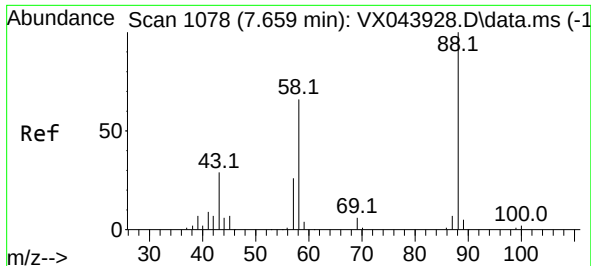
Tgt Ion: 43 Resp: 115786
Ion Ratio Lower Upper
43 100
61 18.0 14.5 21.7
87 12.6 10.2 15.2



#48
Methyl methacrylate
Concen: 50.705 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX044063.D
Acq: 02 Dec 2024 14:07

Tgt Ion: 41 Resp: 99940
Ion Ratio Lower Upper
41 100
69 0.1 64.6 97.0#
39 56.7 53.3 79.9





#49

1,4-Dioxane

Concen: 2.848 ug/l

RT: 7.787 min Scan# 110

Delta R.T. 0.128 min

Lab File: VX044063.D

Acq: 02 Dec 2024 14:07

Instrument :

MSVOA_X

ClientSampleId :

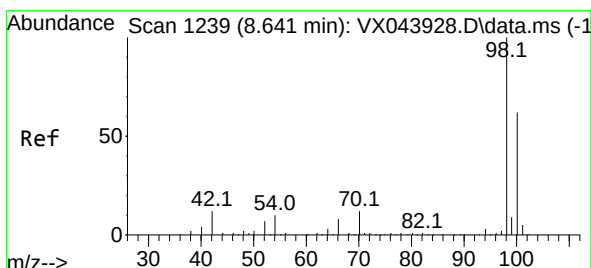
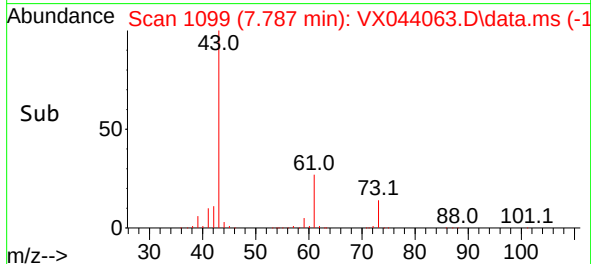
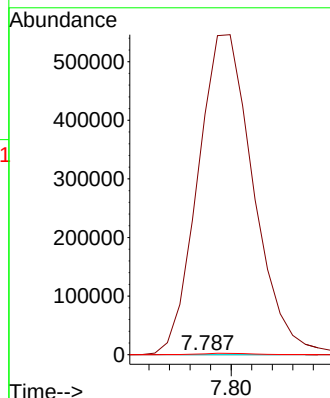
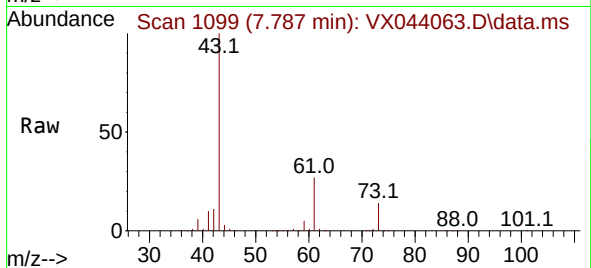
Tgt Ion: 88 Resp: 100

Ion Ratio Lower Upper

88 100

43 1042052.0 26.8 40.2#

58 4473.0 45.4 68.2#



#50

Toluene-d8

Concen: 49.371 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX044063.D

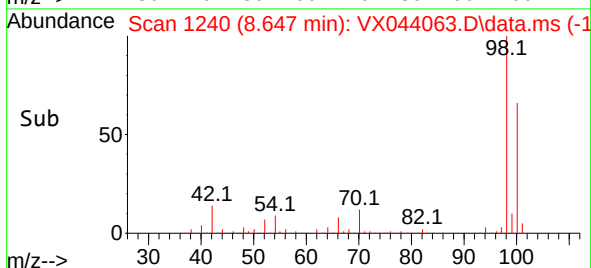
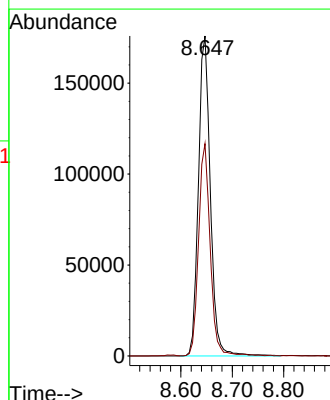
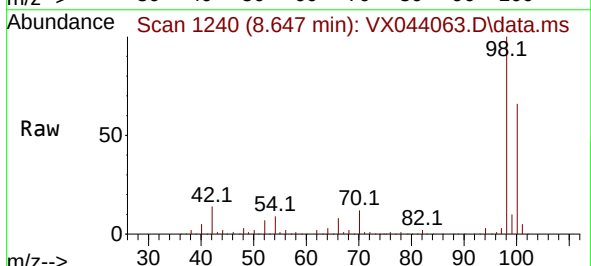
Acq: 02 Dec 2024 14:07

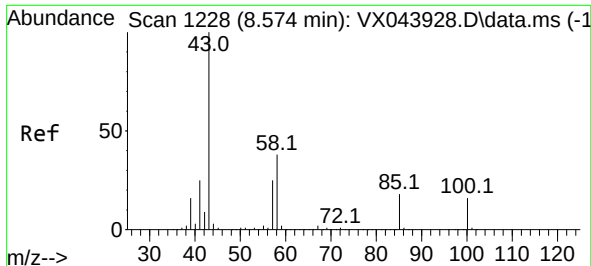
Tgt Ion: 98 Resp: 283973

Ion Ratio Lower Upper

98 100

100 64.6 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 34.538 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX044063.D

Acq: 02 Dec 2024 14:07

Instrument :

MSVOA_X

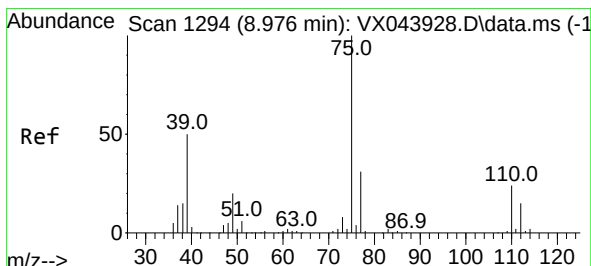
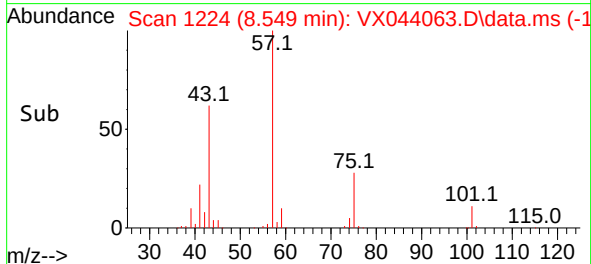
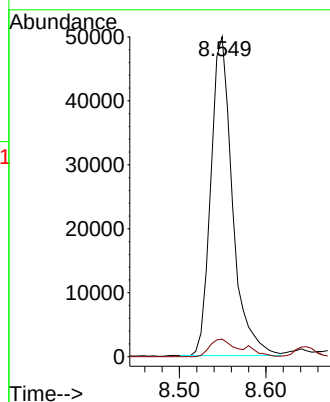
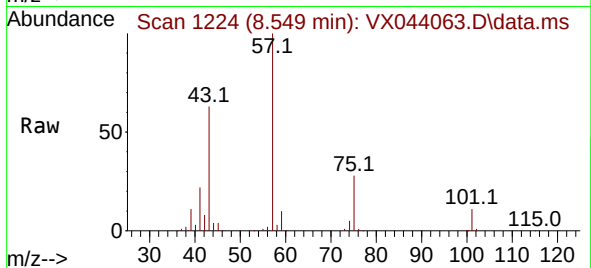
ClientSampleId :

Tgt Ion: 43 Resp: 86575

Ion Ratio Lower Upper

43 100

58 6.2 30.0 45.0#



#53

t-1,3-Dichloropropene

Concen: 0.308 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX044063.D

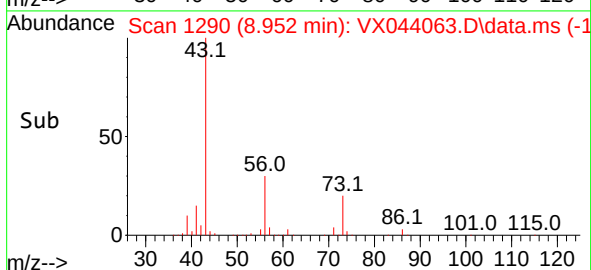
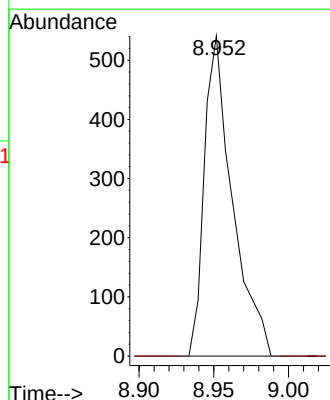
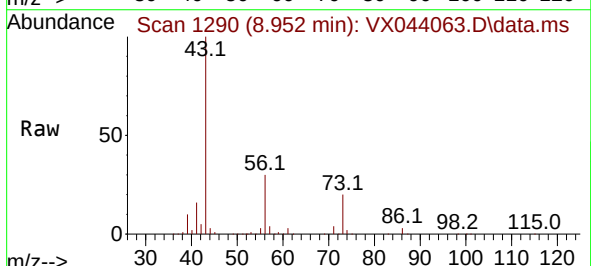
Acq: 02 Dec 2024 14:07

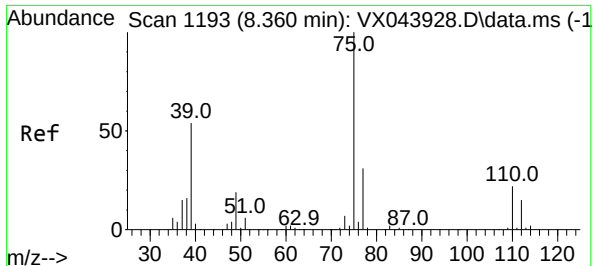
Tgt Ion: 75 Resp: 707

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

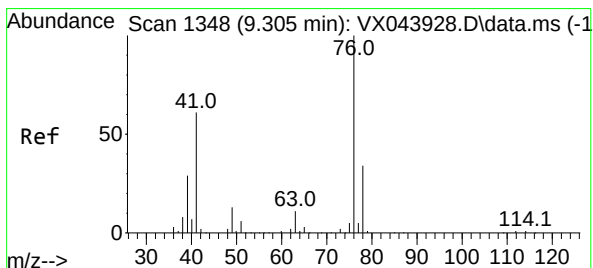
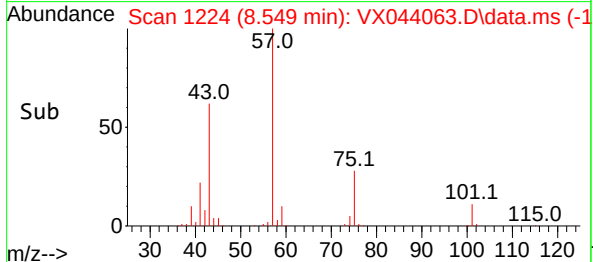
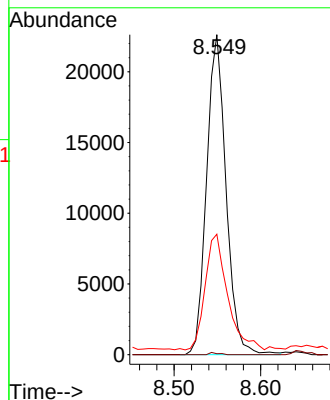
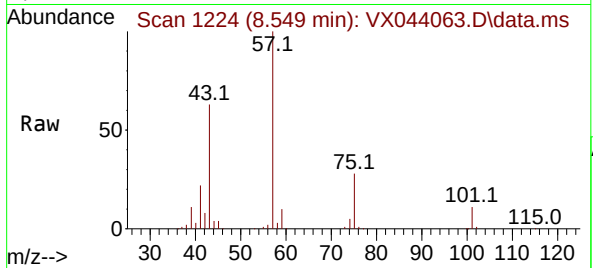




#54
 cis-1,3-Dichloropropene
 Concen: 14.049 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX044063.D
 Acq: 02 Dec 2024 14:07

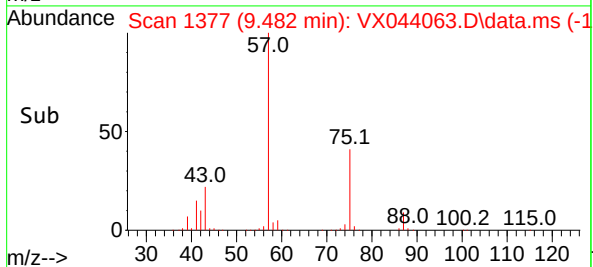
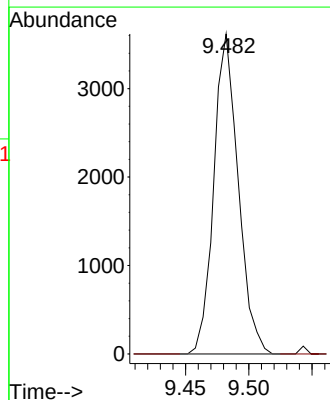
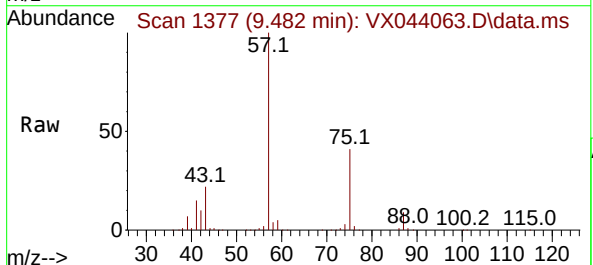
Instrument :
 MSVOA_X
 ClientSampleId :

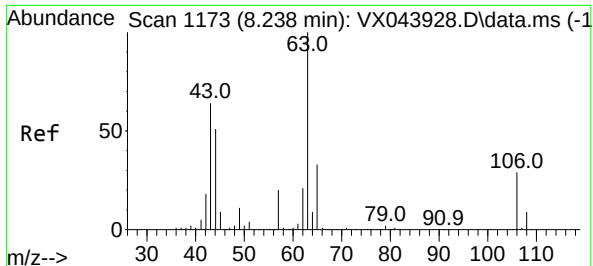
Tgt Ion: 75 Resp: 35347
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.2 37.8#
 39 35.7 43.1 64.7#



#57
 1,3-Dichloropropane
 Concen: 1.800 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX044063.D
 Acq: 02 Dec 2024 14:07

Tgt Ion: 76 Resp: 4853
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#





#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 8.318 min Scan# 1173

Delta R.T. 0.079 min

Lab File: VX044063.D

Acq: 02 Dec 2024 14:07

Instrument :

MSVOA_X

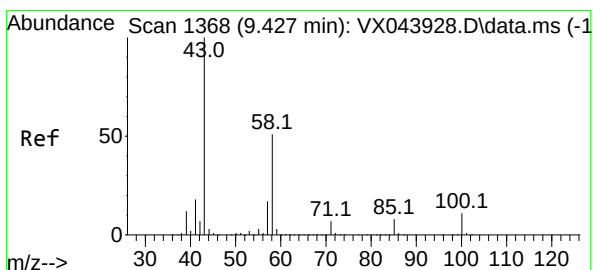
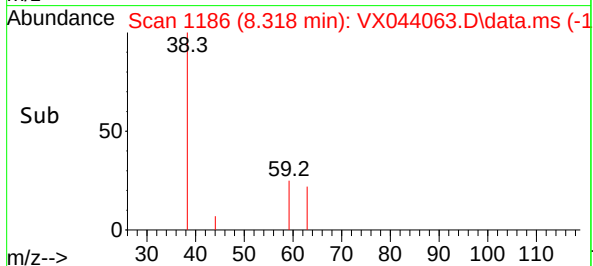
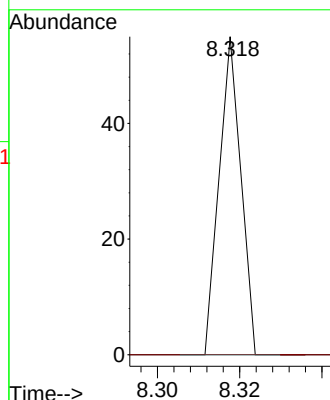
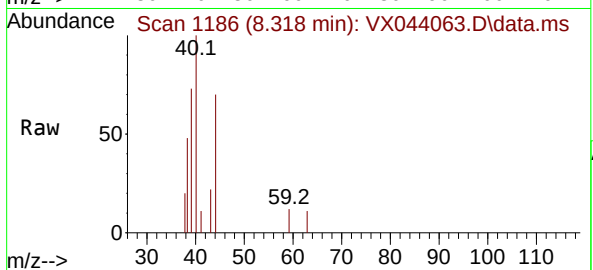
ClientSampleId :

Tgt Ion: 63 Resp: 20

Ion Ratio Lower Upper

63 100

106 0.0 23.0 34.6#



#59

2-Hexanone

Concen: 52.468 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX044063.D

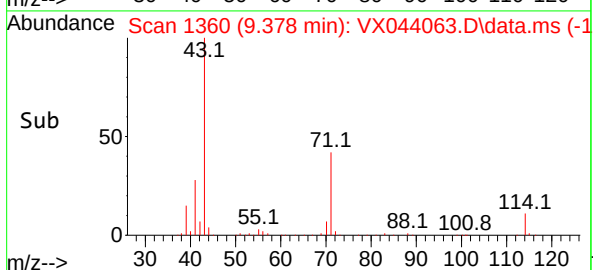
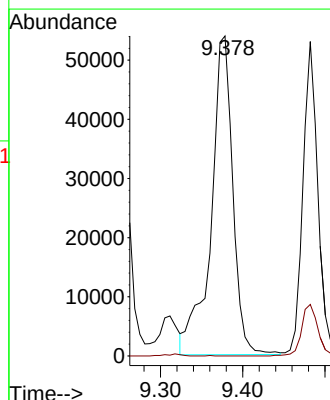
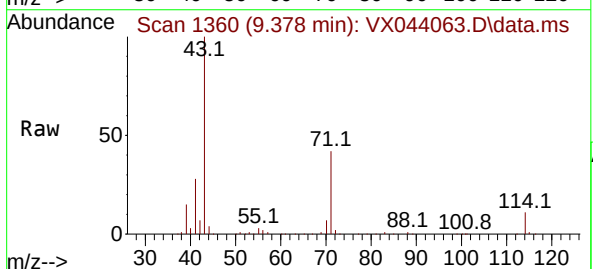
Acq: 02 Dec 2024 14:07

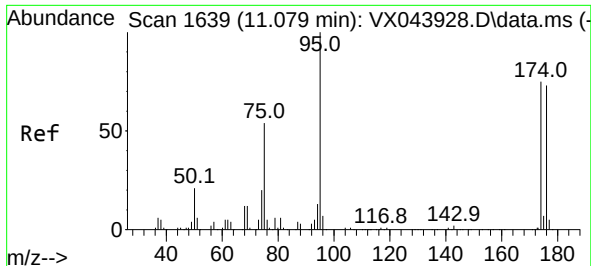
Tgt Ion: 43 Resp: 98854

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.6#

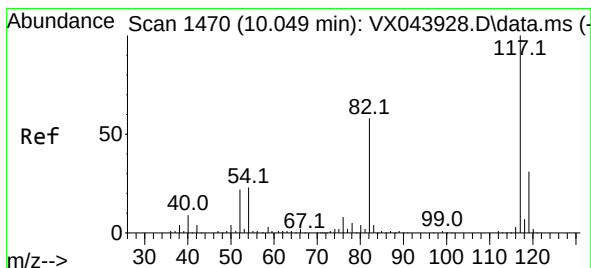
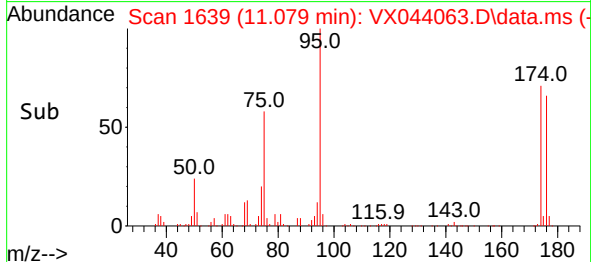
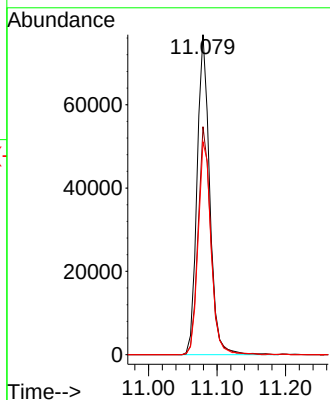
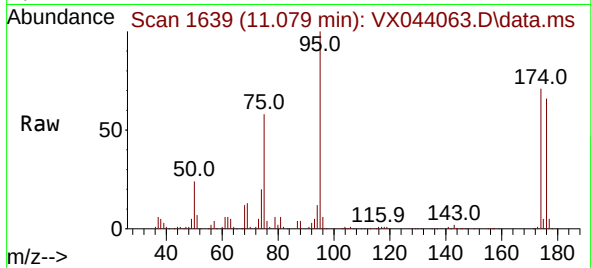




#62
4-Bromofluorobenzene
Concen: 50.208 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044063.D
Acq: 02 Dec 2024 14:07

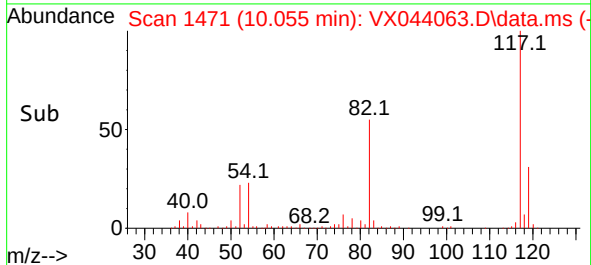
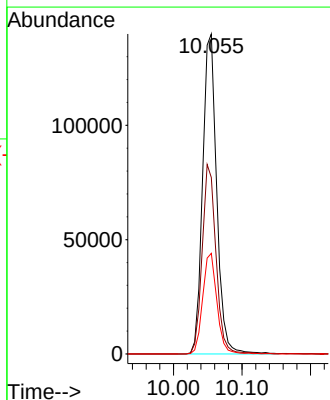
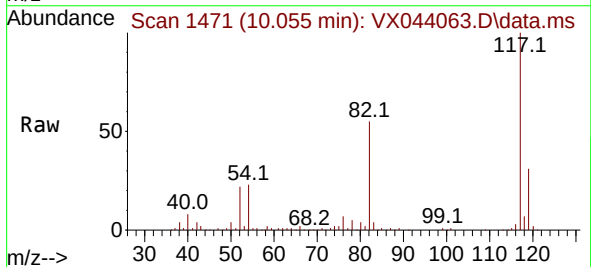
Instrument :
MSVOA_X
ClientSampleId :

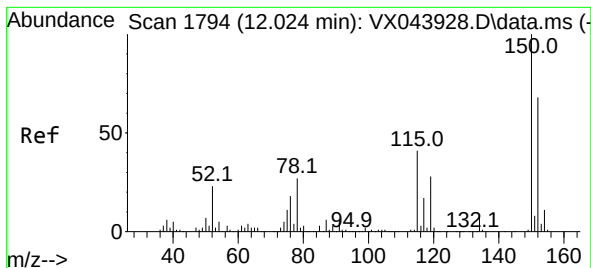
Tgt Ion: 95 Resp: 98282
Ion Ratio Lower Upper
95 100
174 72.0 0.0 150.4
176 68.8 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044063.D
Acq: 02 Dec 2024 14:07

Tgt Ion: 117 Resp: 200099
Ion Ratio Lower Upper
117 100
82 55.2 46.4 69.6
119 31.5 24.6 37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX044063.D

Acq: 02 Dec 2024 14:07

Instrument :

MSVOA_X

ClientSampleId :

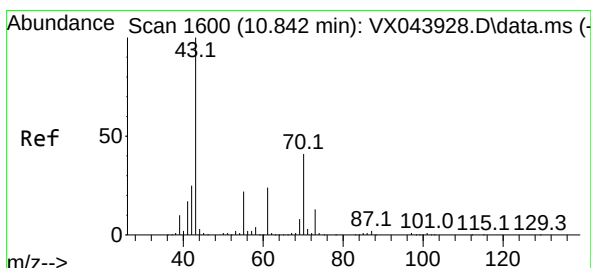
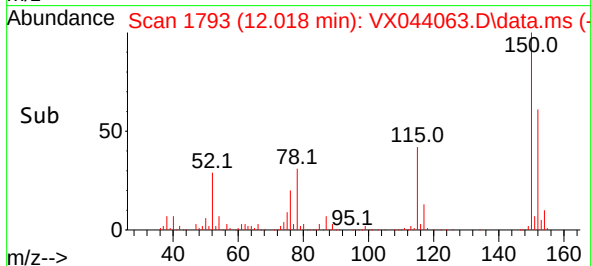
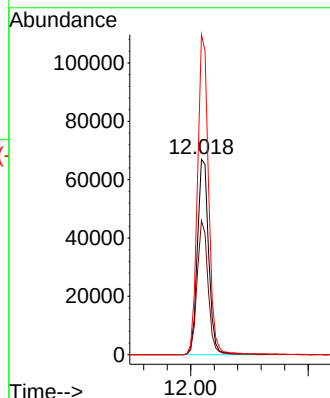
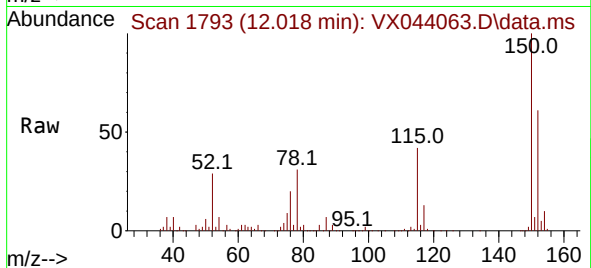
Tgt Ion:152 Resp: 89747

Ion Ratio Lower Upper

152 100

115 66.3 45.4 136.2

150 160.7 0.0 353.0



#74

N-ethyl acetate

Concen: 5.663 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX044063.D

Acq: 02 Dec 2024 14:07

Tgt Ion: 43 Resp: 18099

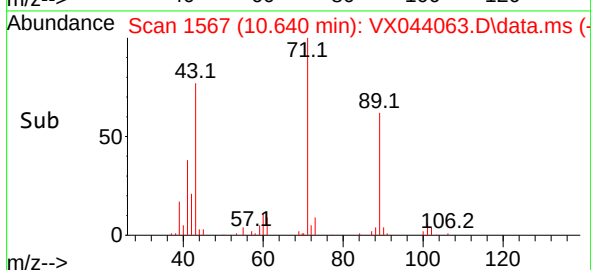
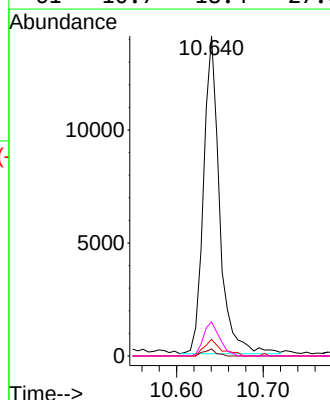
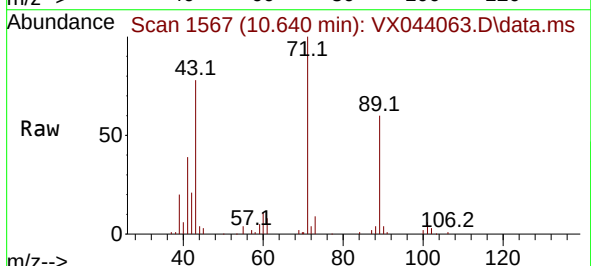
Ion Ratio Lower Upper

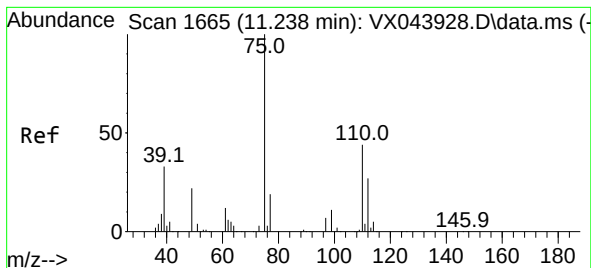
43 100

70 1.7 32.2 48.2#

55 5.5 18.1 27.1#

61 10.7 18.4 27.6#





#76

1,2,3-Trichloropropane

Concen: 28.599 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044063.D

Acq: 02 Dec 2024 14:07

Instrument :

MSVOA_X

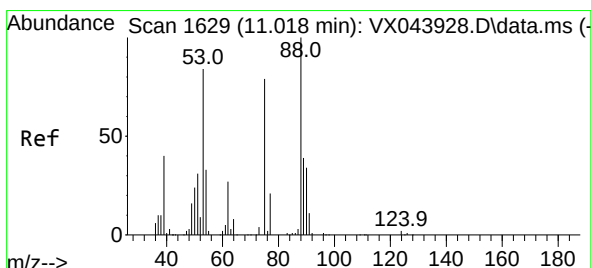
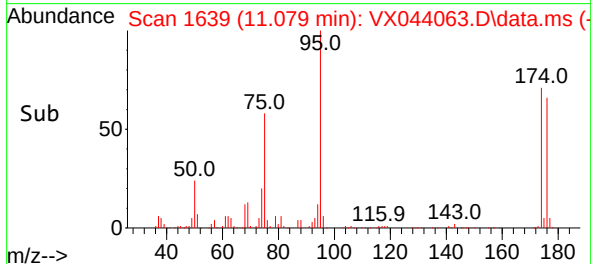
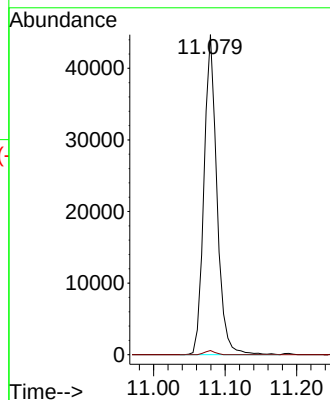
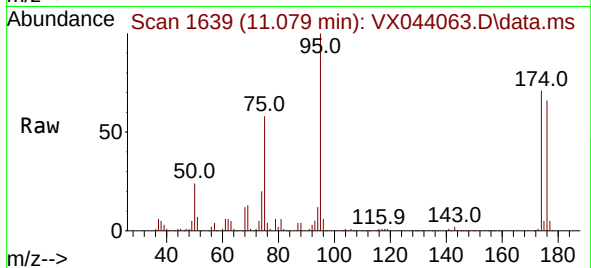
ClientSampleId :

Tgt Ion: 75 Resp: 56286

Ion Ratio Lower Upper

75 100

77 1.0 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.039 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX044063.D

Acq: 02 Dec 2024 14:07

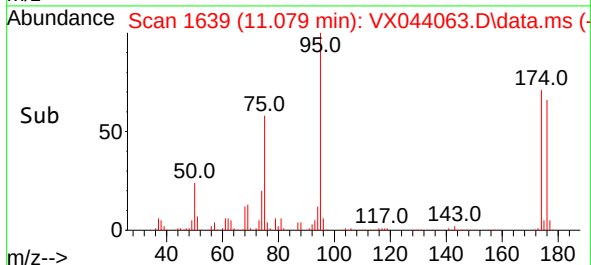
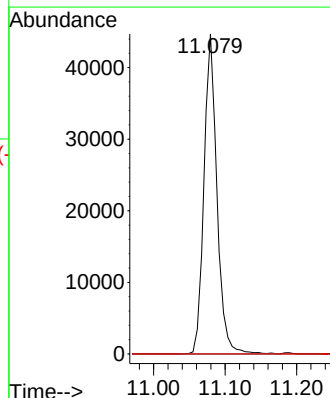
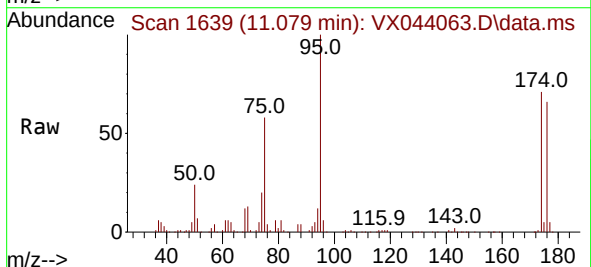
Tgt Ion: 75 Resp: 56286

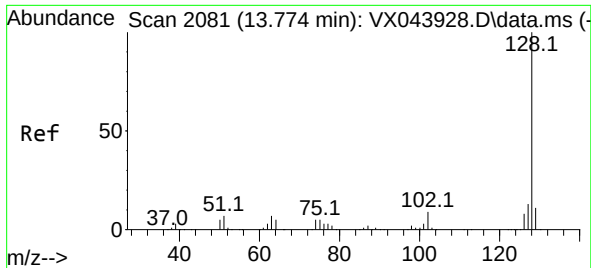
Ion Ratio Lower Upper

75 100

53 0.0 86.7 130.1#

89 0.0 38.2 57.2#





#95

Naphthalene

Concen: 0.208 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

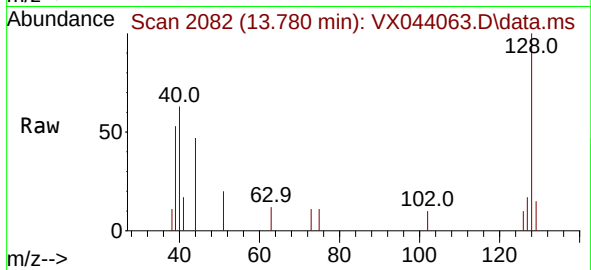
Lab File: VX044063.D

Acq: 02 Dec 2024 14:07

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 1338

Ion Ratio Lower Upper

128 100

127 16.1 10.2 15.2#

129 5.3 8.6 12.8#

