

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010623\
 Data File : VX033637.D
 Acq On : 06 Jan 2023 17:44
 Operator : JC/MD
 Sample : PB050057ZHE#14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB050057ZHE#14

Quant Time: Jan 07 04:27:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010423W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 05 04:43:25 2023
 Response via : Initial Calibration

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

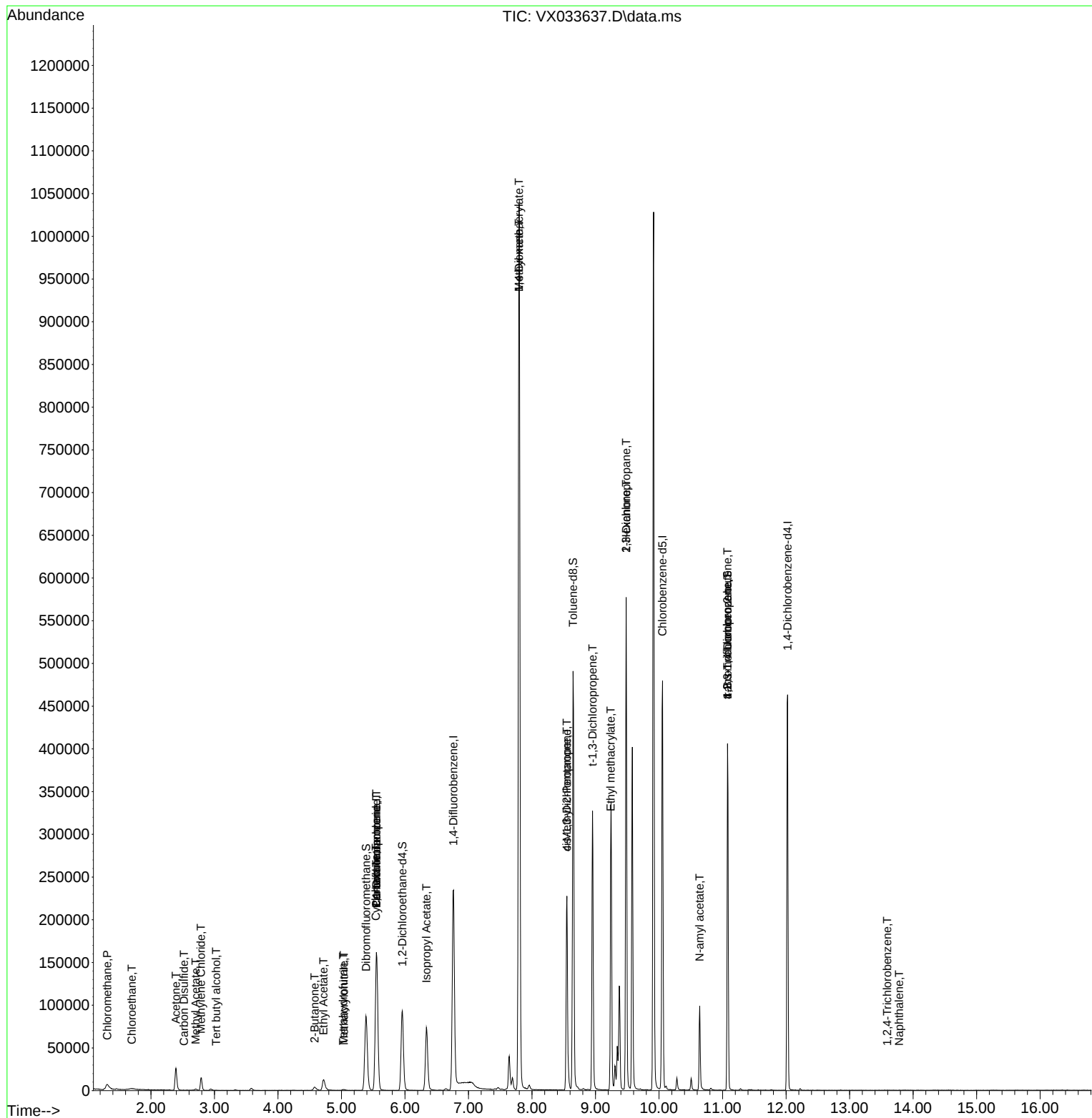
Internal Standards						
1) Pentafluorobenzene	5.550	168	163517	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	238499	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	91951	49.814	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.620%
35) Dibromofluoromethane	5.385	113	75896	48.415	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.820%
50) Toluene-d8	8.647	98	284357	50.750	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.500%
62) 4-Bromofluorobenzene	11.079	95	100766	50.737	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.480%
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	443	0.267	ug/l #	42
6) Chloroethane	1.697	64	306	0.361	ug/l #	43
11) Tert butyl alcohol	3.026	59	97	0.320	ug/l #	80
16) Acetone	2.392	43	34413	43.884	ug/l	100
17) Carbon Disulfide	2.520	76	208	1.680	ug/l #	74
18) Methyl Acetate	2.703	43	2166	0.847	ug/l	98
20) Methylene Chloride	2.788	84	6912	2.345	ug/l	98
25) 2-Butanone	4.574	43	7062	5.859	ug/l #	88
29) Tetrahydrofuran	5.025	42	1130	1.478	ug/l #	55
31) Cyclohexane	5.544	56	2794	1.087	ug/l #	2
36) 1,1-Dichloropropene	5.550	75	11216	5.282	ug/l #	50
37) Ethyl Acetate	4.715	43	23247	8.100	ug/l	98
38) Carbon Tetrachloride	5.550	117	15507	6.901	ug/l #	14
41) Methacrylonitrile	5.038	41	602	0.467	ug/l #	37
43) Isopropyl Acetate	6.336	43	101773	28.032	ug/l	99
48) Methyl methacrylate	7.793	41	92525	50.347	ug/l #	44
49) 1,4-Dioxane	7.793	88	91	2.328	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	84622	36.826	ug/l #	52
53) t-1,3-Dichloropropene	8.952	75	703	0.413	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	35576	14.821	ug/l #	61
56) Ethyl methacrylate	9.238	69	611	0.256	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	5015	1.834	ug/l #	42
59) 2-Hexanone	9.482	43	69453	40.915	ug/l #	51
74) N-amyl acetate	10.640	43	26361	8.798	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	49876	26.002	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	49876	78.919	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.591	180	20	1.602	ug/l #	12
95) Naphthalene	13.780	128	188	3.142	ug/l #	69

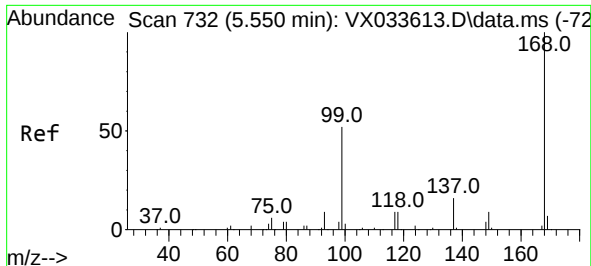
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010623\
Data File : VX033637.D
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Quant Title : SW846 8260
QLast Update : Thu Jan 05 04:43:25 2023
Response via : Initial Calibration

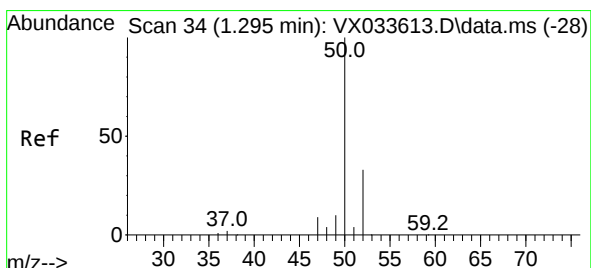
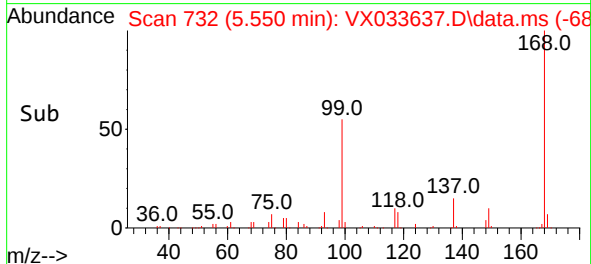
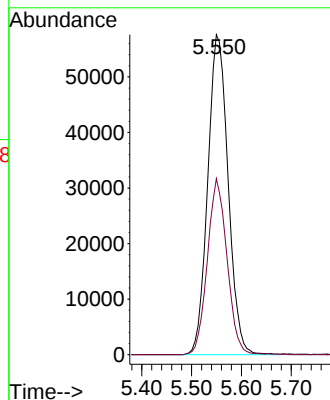
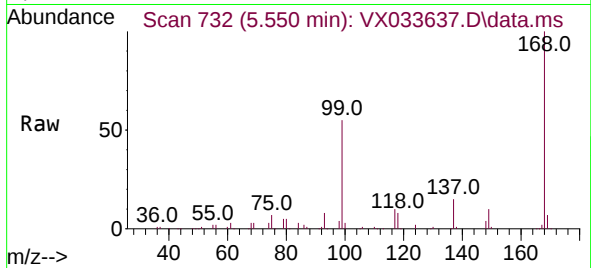




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

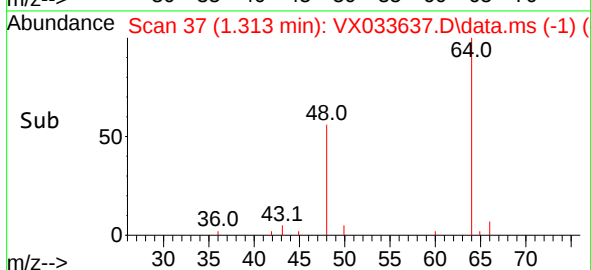
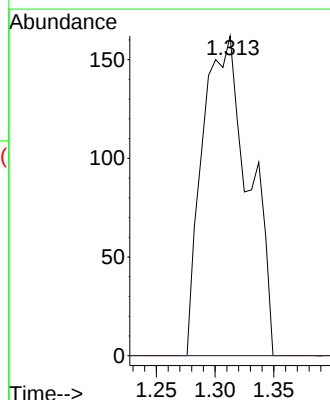
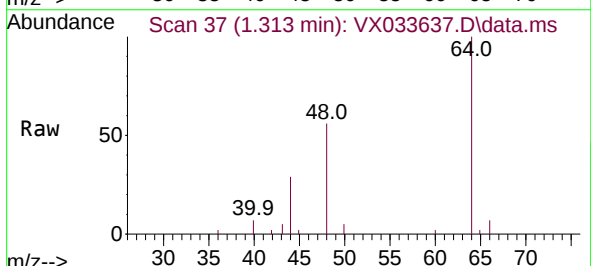
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#14

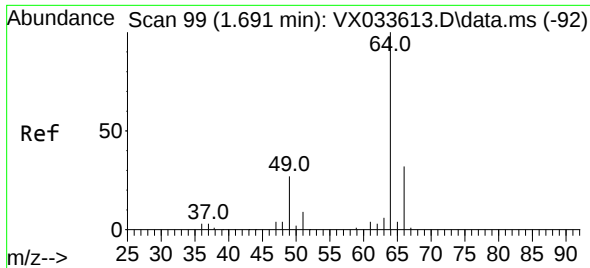
Tgt Ion:168 Resp: 163517
Ion Ratio Lower Upper
168 100
99 55.0 41.4 62.2



#3
Chloromethane
Concen: 0.267 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.018 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

Tgt Ion: 50 Resp: 443
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#

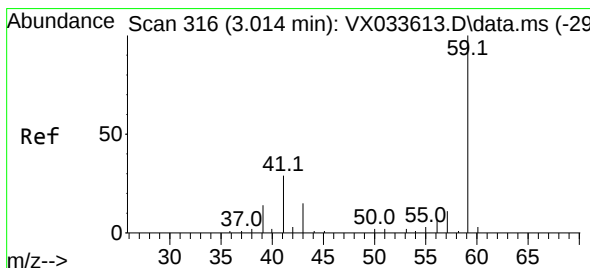
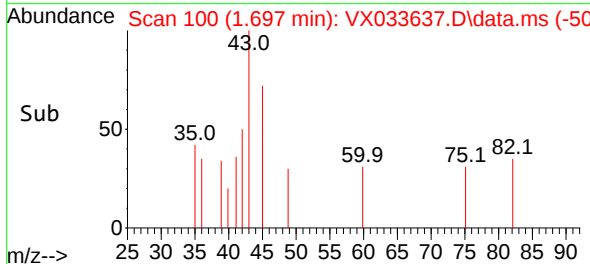
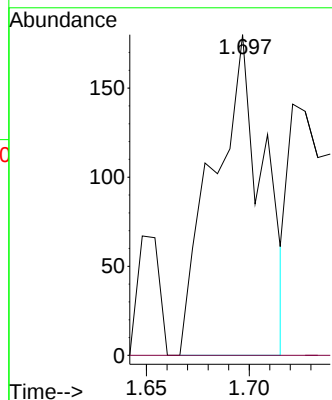
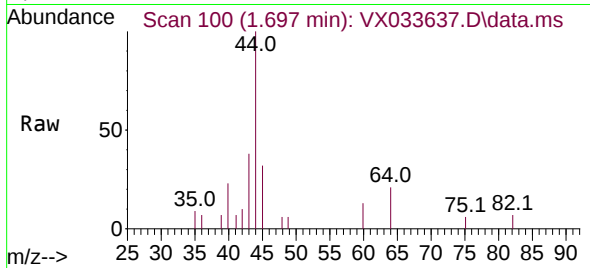




#6
Chloroethane
Concen: 0.361 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.006 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

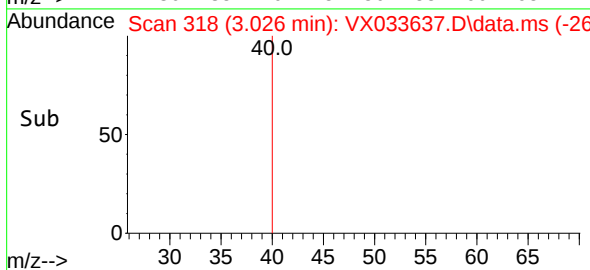
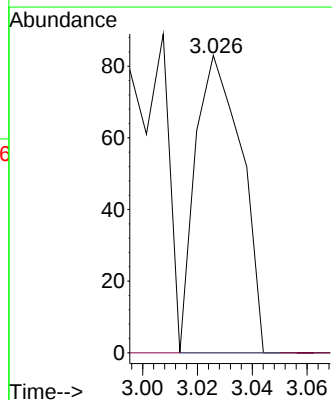
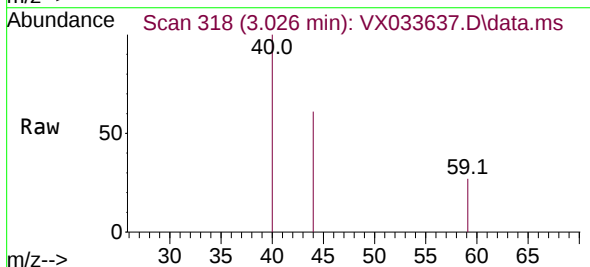
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#14

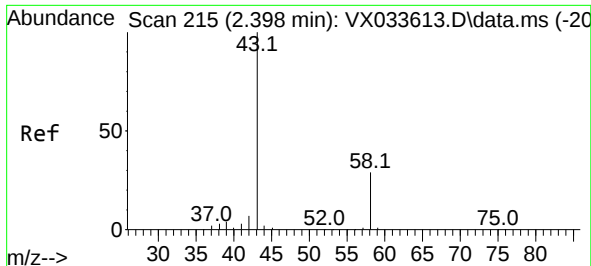
Tgt Ion: 64 Resp: 306
Ion Ratio Lower Upper
64 100
66 0.0 25.7 38.5#



#11
Tert butyl alcohol
Concen: 0.320 ug/l
RT: 3.026 min Scan# 318
Delta R.T. 0.012 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

Tgt Ion: 59 Resp: 97
Ion Ratio Lower Upper
59 100
57 0.0 5.5 8.3#

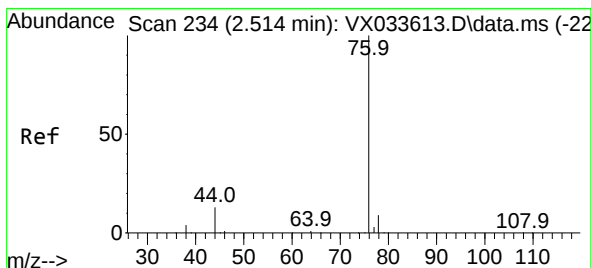
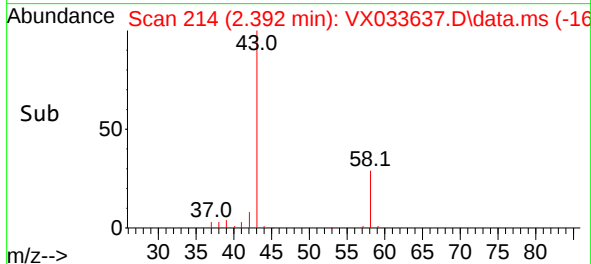
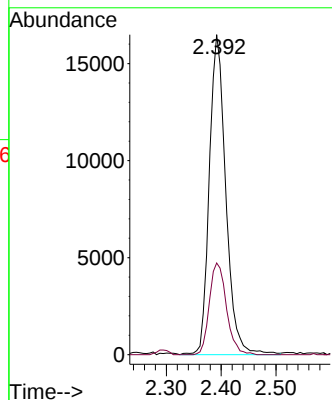
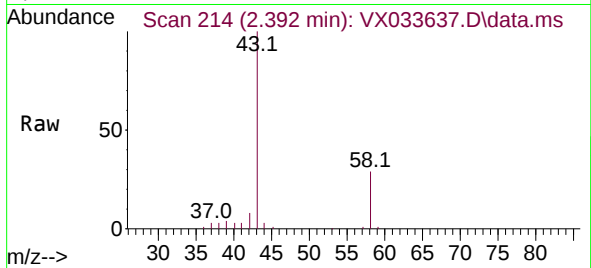




#16
Acetone
Concen: 43.884 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

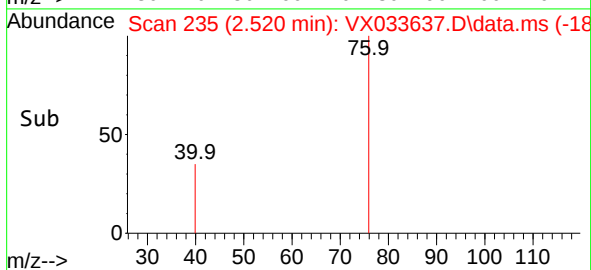
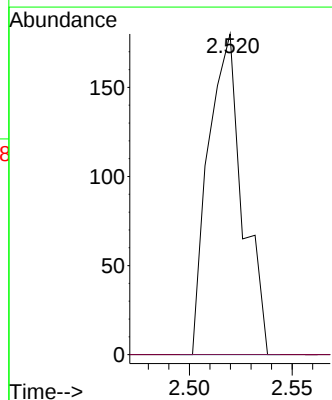
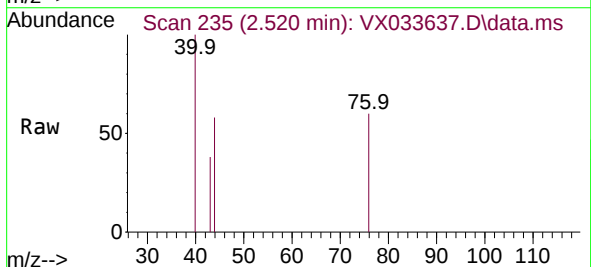
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#14

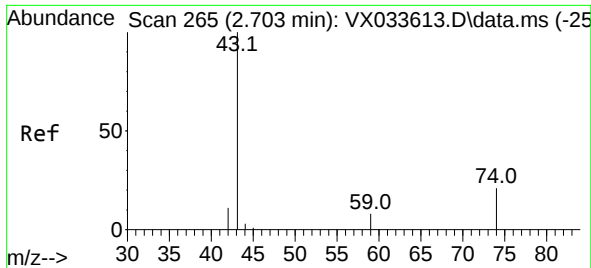
Tgt Ion: 43 Resp: 34413
Ion Ratio Lower Upper
43 100
58 28.7 22.9 34.3



#17
Carbon Disulfide
Concen: 1.680 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

Tgt Ion: 76 Resp: 208
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#

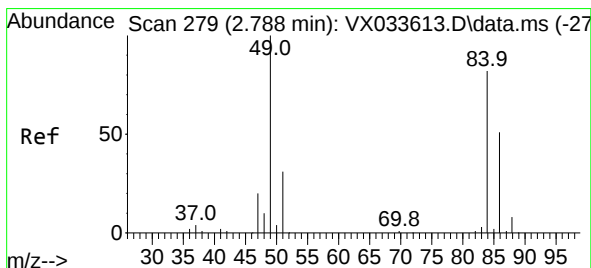
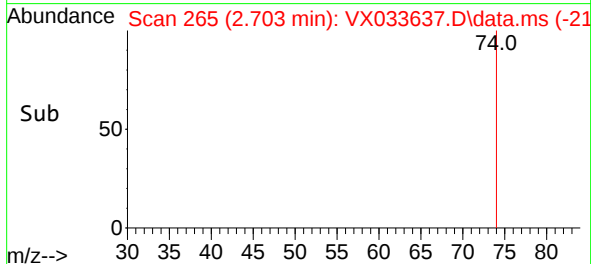
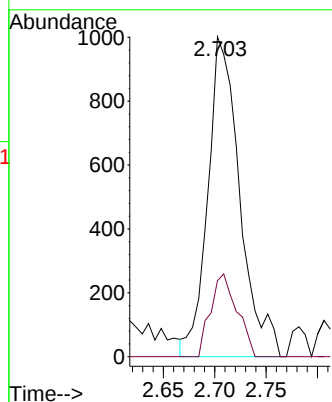
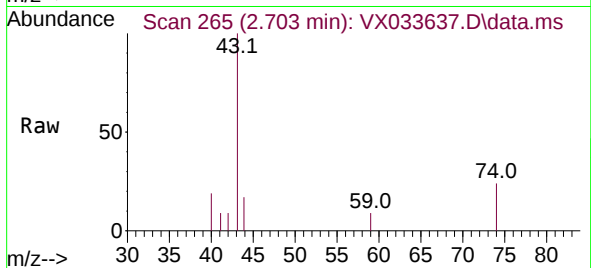




#18
Methyl Acetate
Concen: 0.847 ug/l
RT: 2.703 min Scan# 2166
Delta R.T. -0.000 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

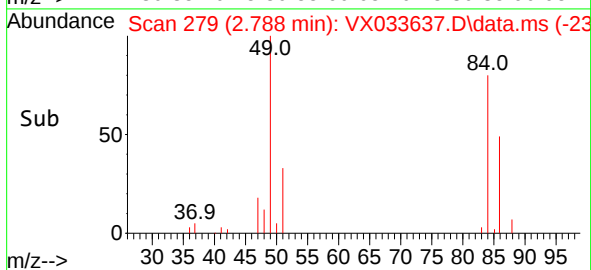
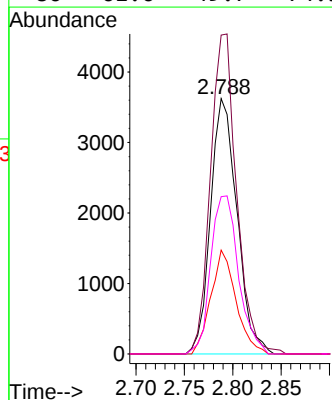
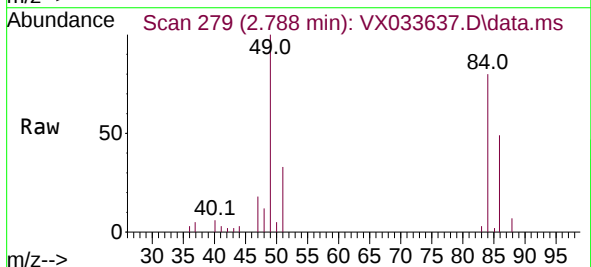
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#14

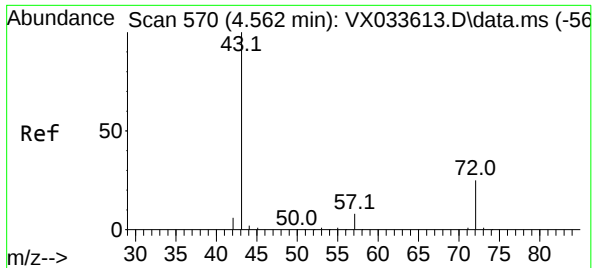
Tgt Ion: 43 Resp: 2166
Ion Ratio Lower Upper
43 100
74 21.4 17.9 26.9



#20
Methylene Chloride
Concen: 2.345 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

Tgt Ion: 84 Resp: 6912
Ion Ratio Lower Upper
84 100
49 124.9 97.6 146.4
51 40.7 30.4 45.6
86 61.6 49.7 74.5





#25

2-Butanone

Concen: 5.859 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX033637.D

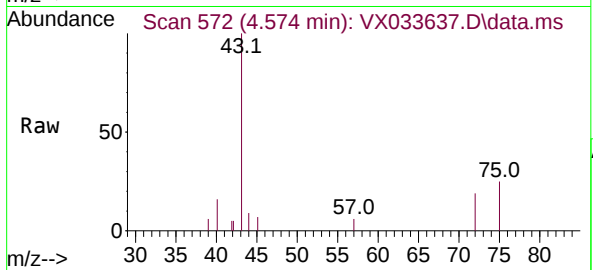
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Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#14

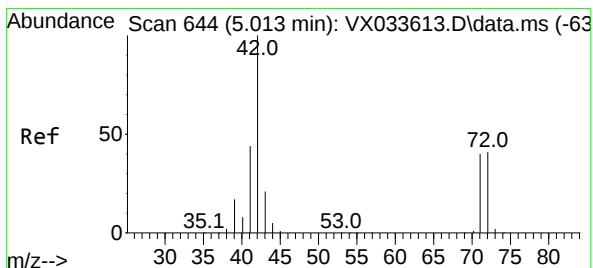
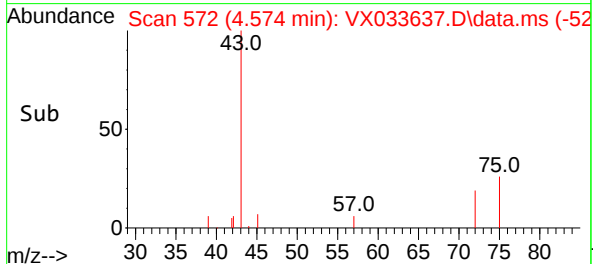
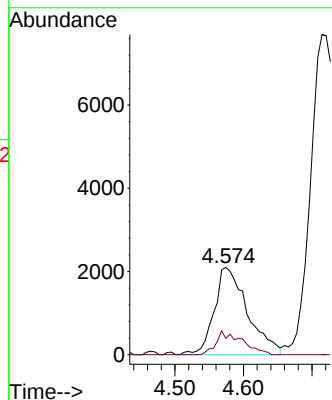


Tgt Ion: 43 Resp: 7062

Ion Ratio Lower Upper

43 100

72 18.6 19.8 29.6#



#29

Tetrahydrofuran

Concen: 1.478 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.012 min

Lab File: VX033637.D

Acq: 06 Jan 2023 17:44

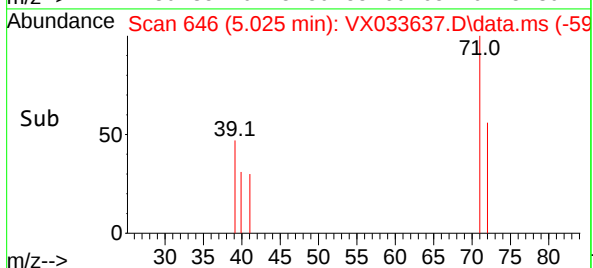
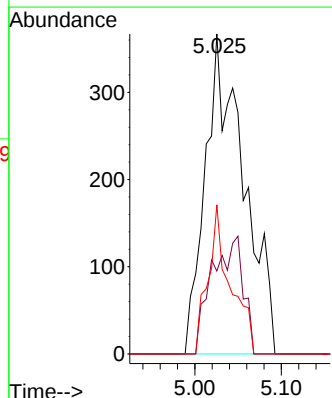
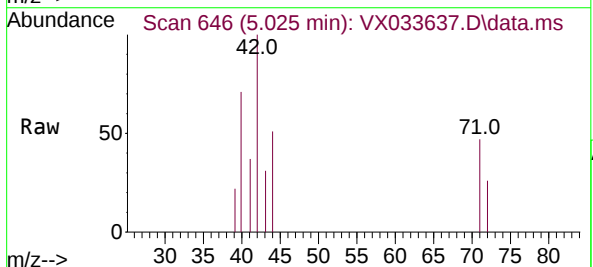
Tgt Ion: 42 Resp: 1130

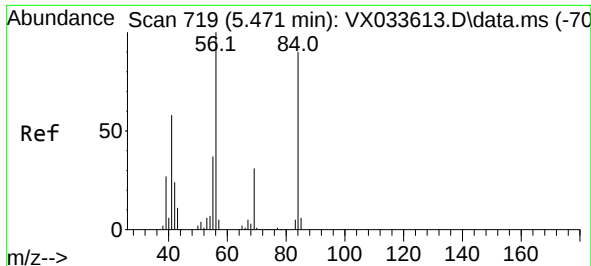
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

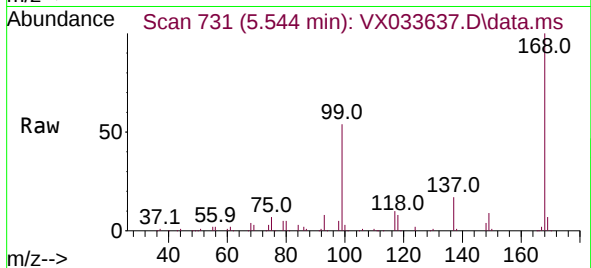
71 27.0 31.4 47.0#



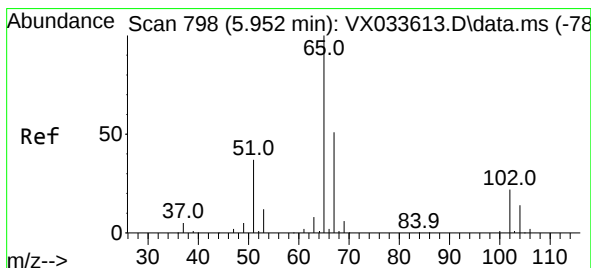
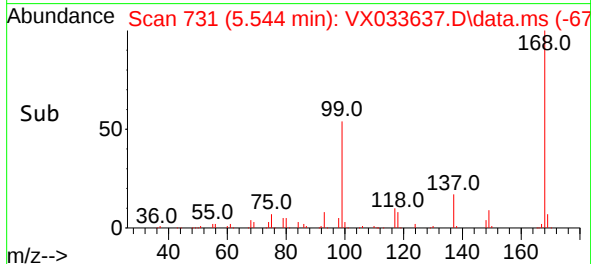
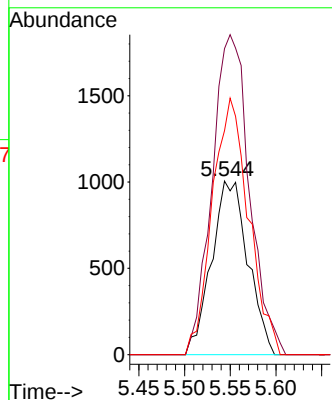


#31
Cyclohexane
Concen: 1.087 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#14

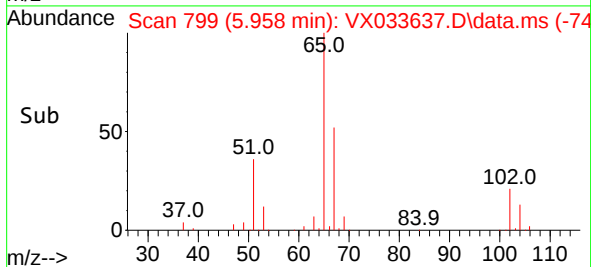
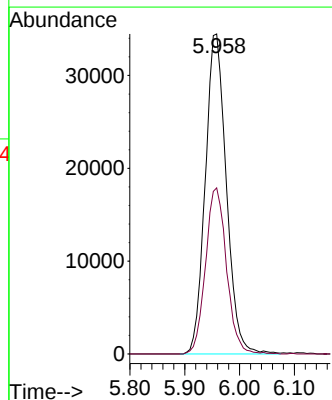
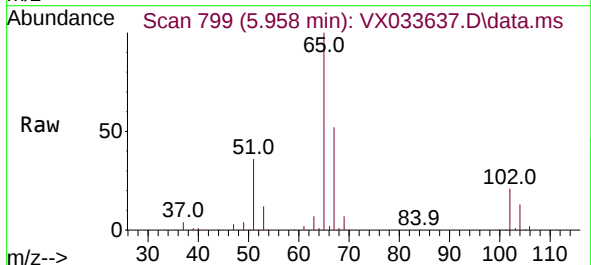


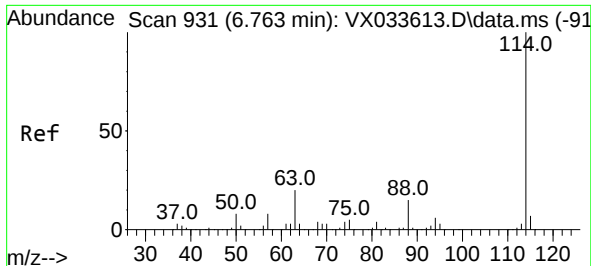
Tgt Ion: 56 Resp: 2794
Ion Ratio Lower Upper
56 100
69 176.2 24.6 36.8#
84 129.0 72.2 108.2#



#33
1,2-Dichloroethane-d4
Concen: 49.814 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

Tgt Ion: 65 Resp: 91951
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.8

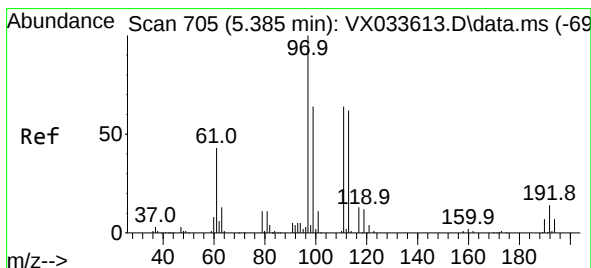
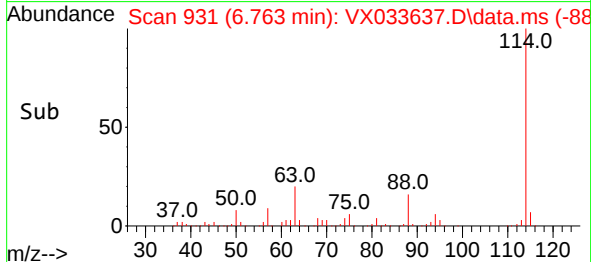
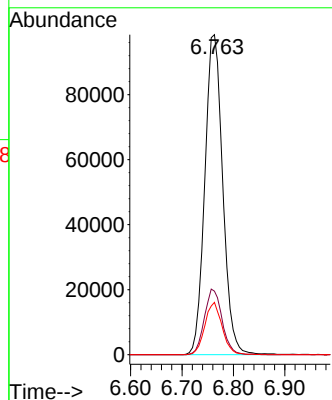
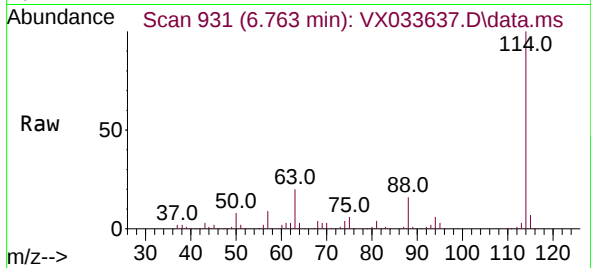




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

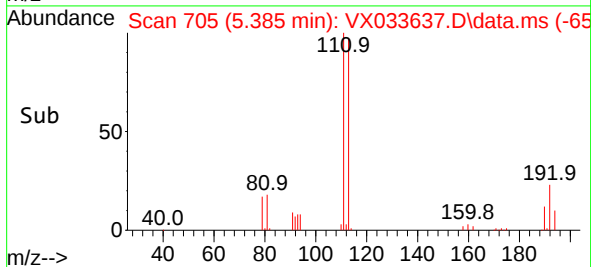
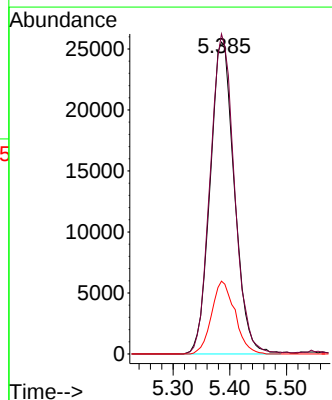
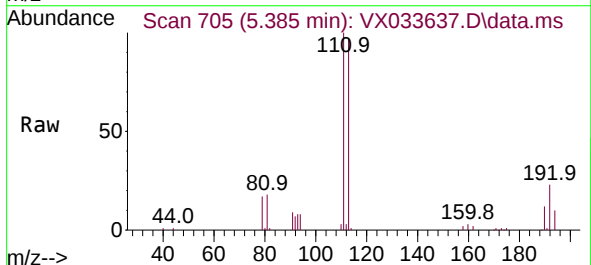
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#14

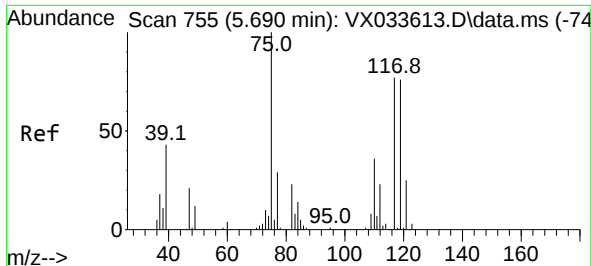
Tgt Ion:114 Resp: 238499
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.0
88 16.3 0.0 29.6



#35
Dibromofluoromethane
Concen: 48.415 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

Tgt Ion:113 Resp: 75896
Ion Ratio Lower Upper
113 100
111 102.4 81.2 121.8
192 22.5 18.2 27.2

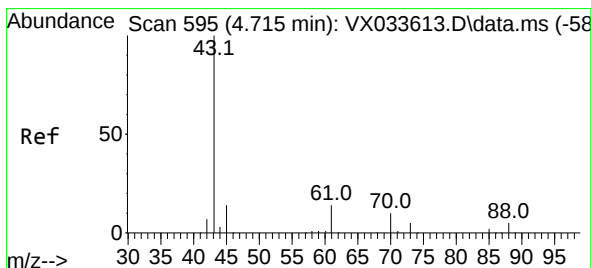
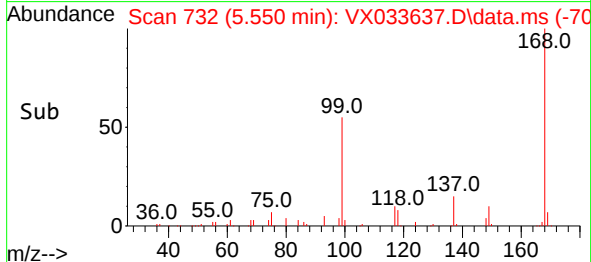
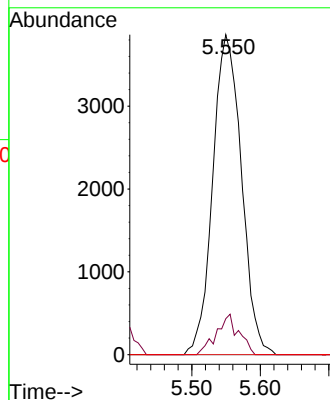
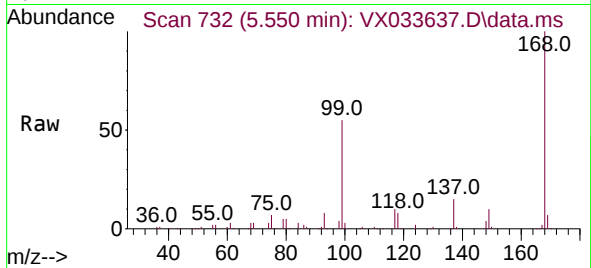




#36
1,1-Dichloropropene
Concen: 5.282 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

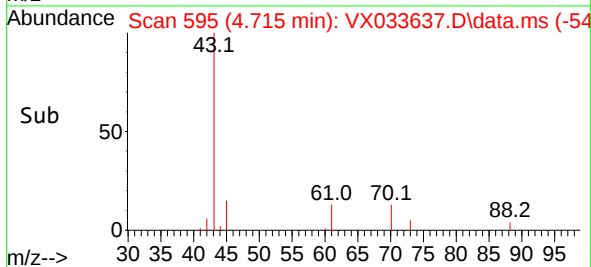
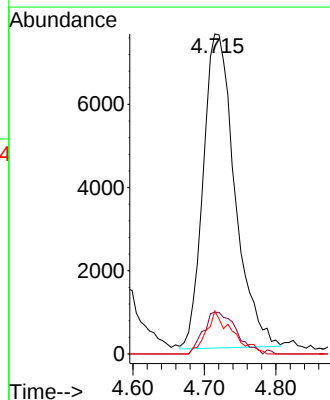
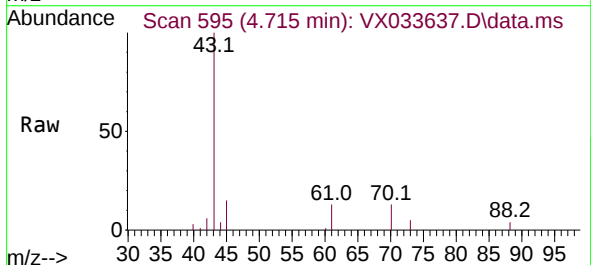
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#14

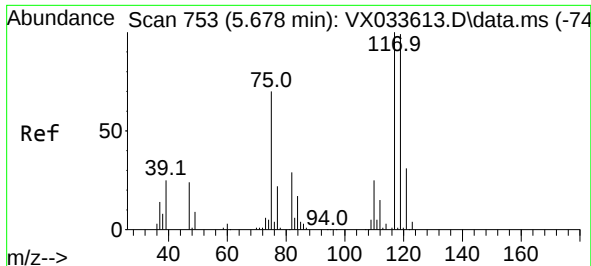
Tgt Ion: 75 Resp: 11216
Ion Ratio Lower Upper
75 100
110 9.9 18.0 54.0#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 8.100 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

Tgt Ion: 43 Resp: 23247
Ion Ratio Lower Upper
43 100
61 13.6 10.6 16.0
70 11.3 8.1 12.1

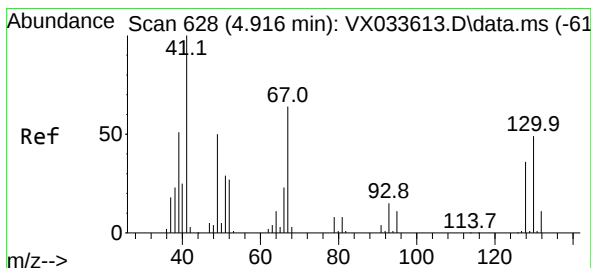
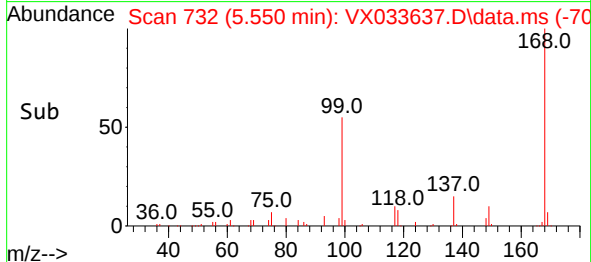
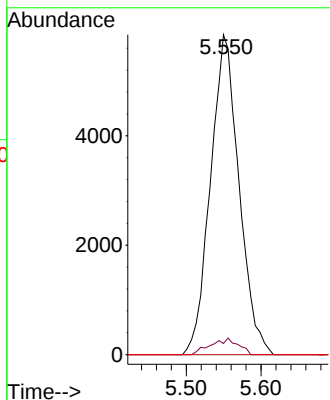
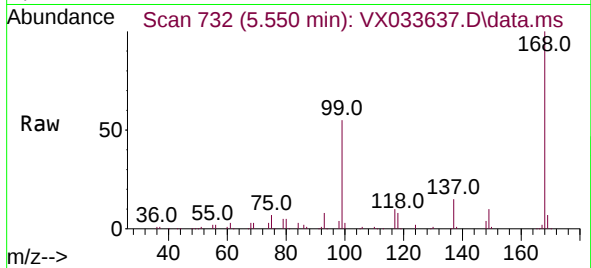




#38
Carbon Tetrachloride
Concen: 6.901 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

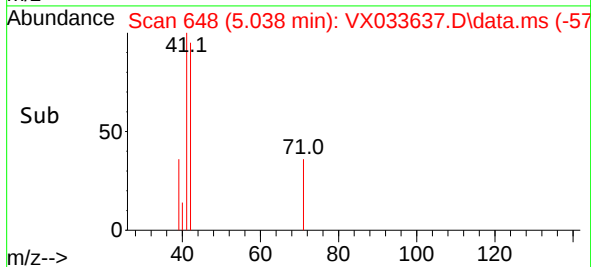
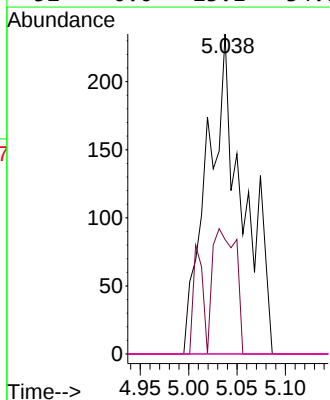
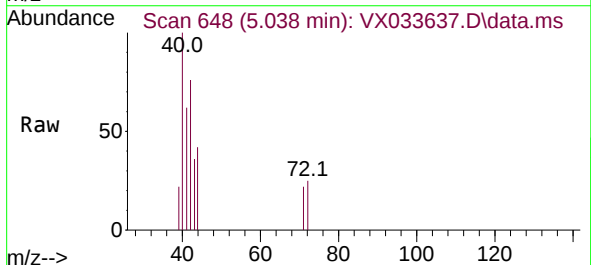
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#14

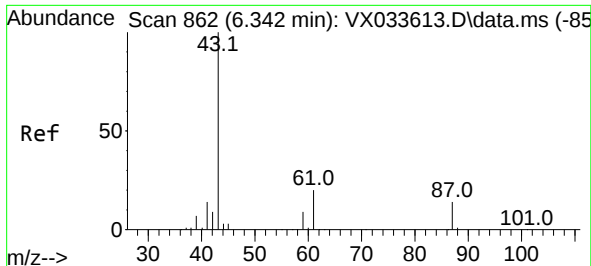
Tgt Ion:117 Resp: 15507
Ion Ratio Lower Upper
117 100
119 3.5 78.8 118.2#
121 0.0 24.9 37.3#



#41
Methacrylonitrile
Concen: 0.467 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.122 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

Tgt Ion: 41 Resp: 602
Ion Ratio Lower Upper
41 100
39 25.4 44.1 66.1#
67 0.0 53.8 80.6#
52 0.0 23.1 34.7#

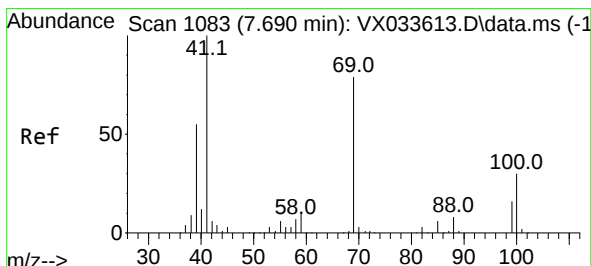
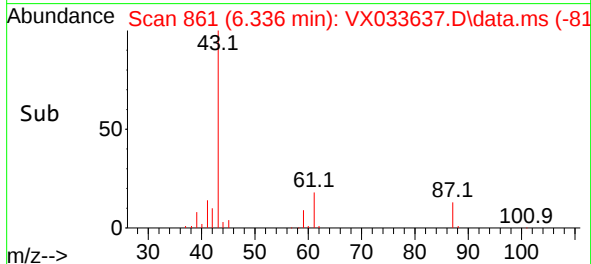
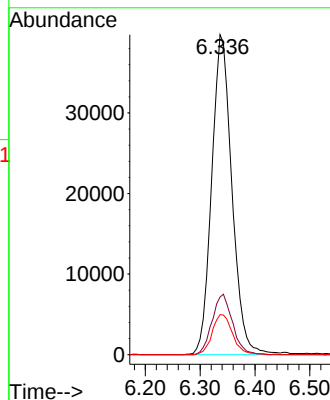
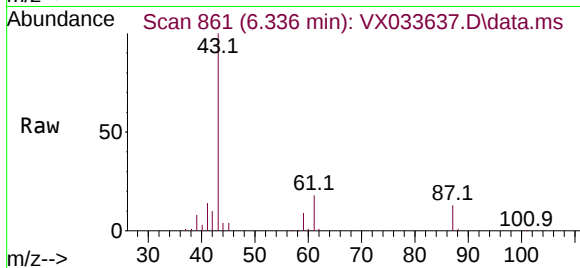




#43
Isopropyl Acetate
Concen: 28.032 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

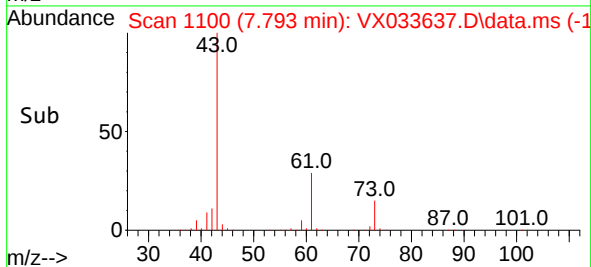
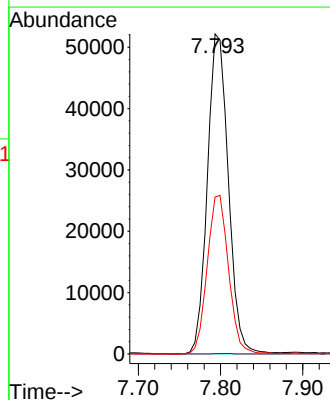
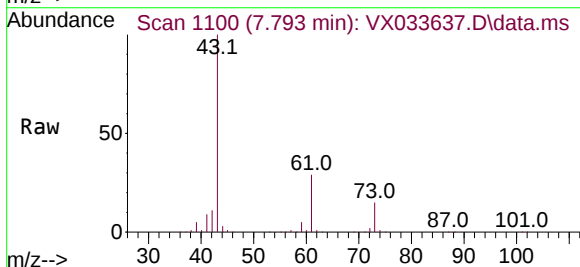
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#14

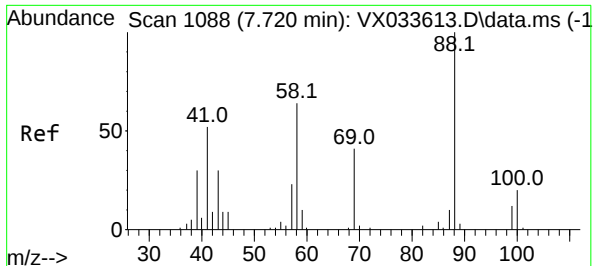
Tgt Ion: 43 Resp: 101773
Ion Ratio Lower Upper
43 100
61 19.0 15.2 22.8
87 12.6 10.6 16.0



#48
Methyl methacrylate
Concen: 50.347 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

Tgt Ion: 41 Resp: 92525
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 50.4 44.8 67.2





#49

1,4-Dioxane

Concen: 2.328 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.073 min

Lab File: VX033637.D

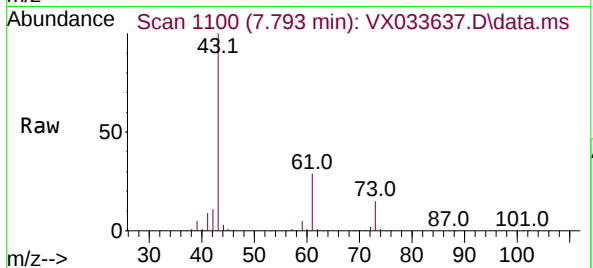
Acq: 06 Jan 2023 17:44

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#14



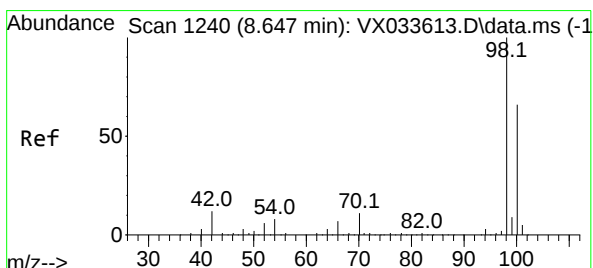
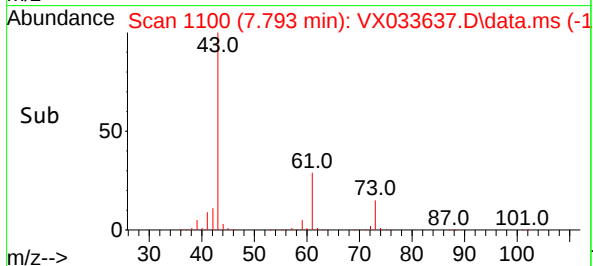
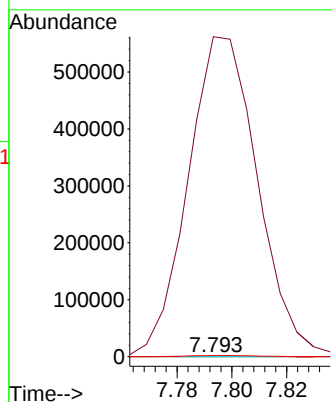
Tgt Ion: 88 Resp: 91

Ion Ratio Lower Upper

88 100

43 1101260.4 24.1 36.1#

58 4331.9 57.1 85.7#



#50

Toluene-d8

Concen: 50.750 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX033637.D

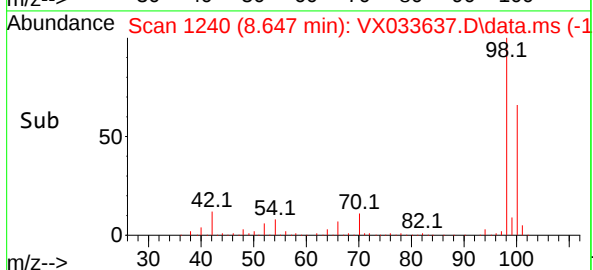
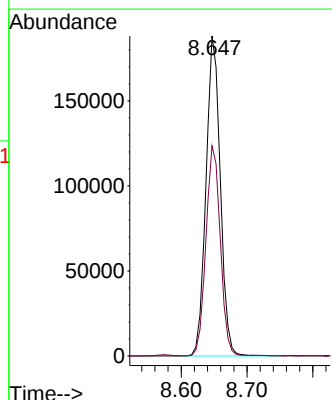
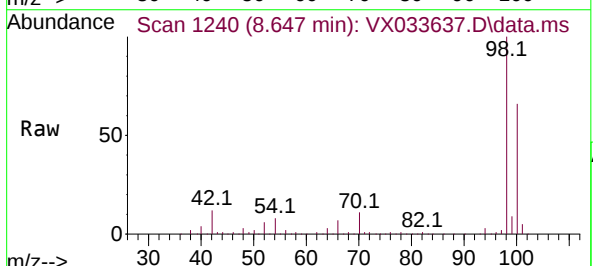
Acq: 06 Jan 2023 17:44

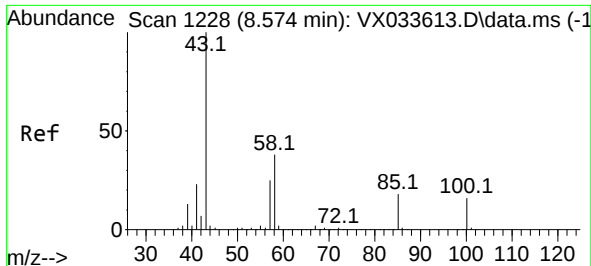
Tgt Ion: 98 Resp: 284357

Ion Ratio Lower Upper

98 100

100 66.1 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 36.826 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX033637.D

Acq: 06 Jan 2023 17:44

Instrument :

MSVOA_X

ClientSampleId :

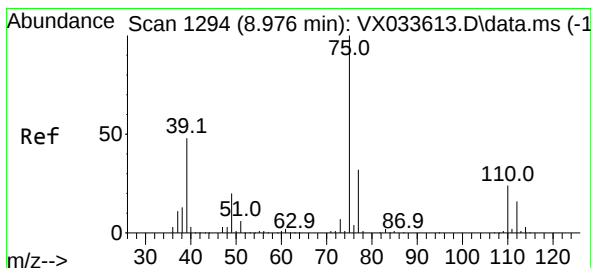
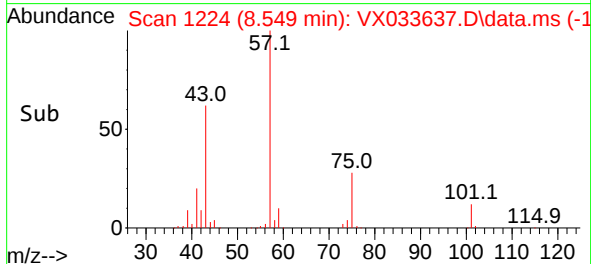
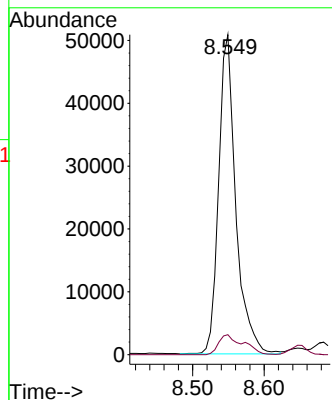
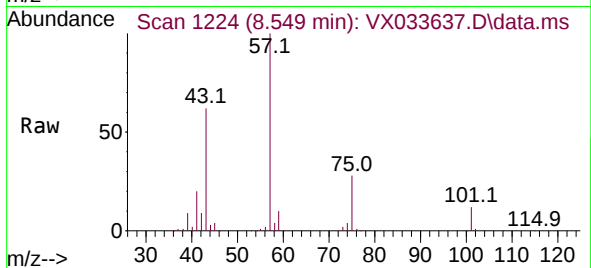
PB050057ZHE#14

Tgt Ion: 43 Resp: 84622

Ion Ratio Lower Upper

43 100

58 9.0 30.5 45.7#



#53

t-1,3-Dichloropropene

Concen: 0.413 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX033637.D

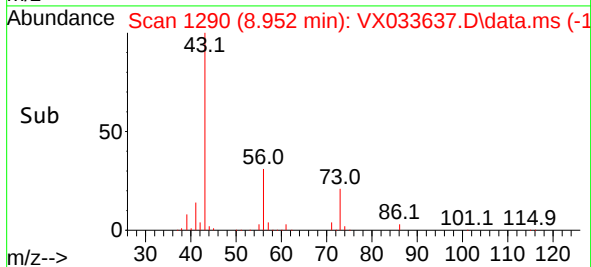
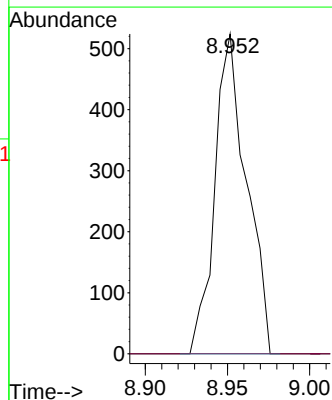
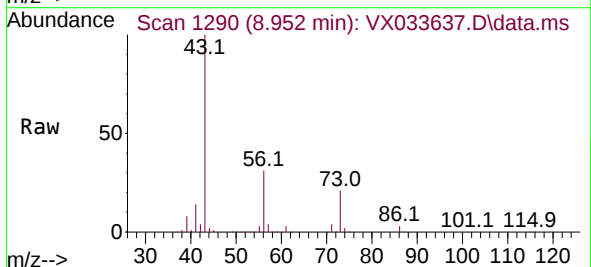
Acq: 06 Jan 2023 17:44

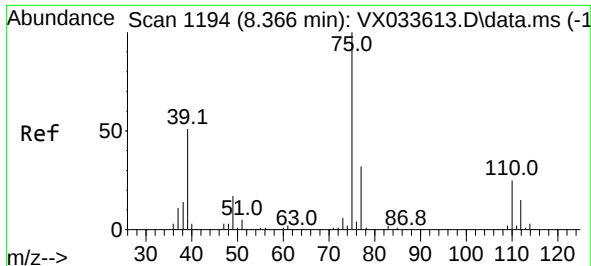
Tgt Ion: 75 Resp: 703

Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#

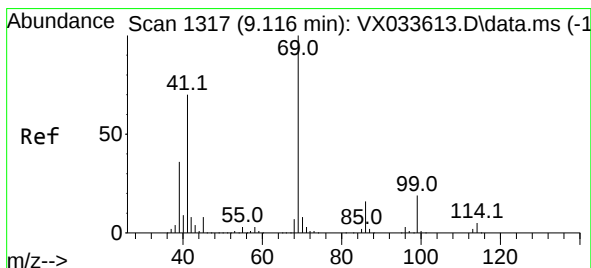
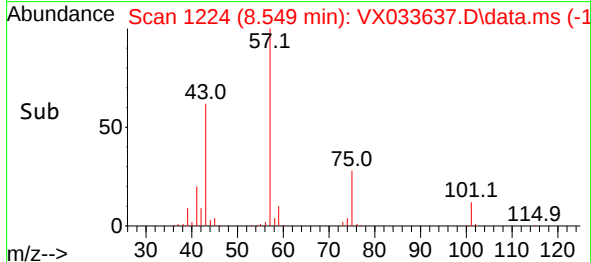
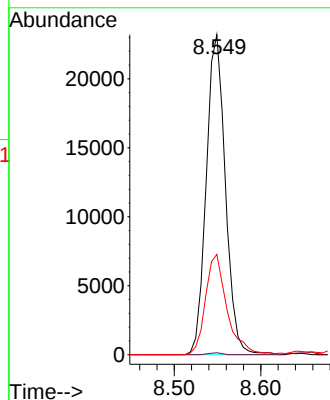
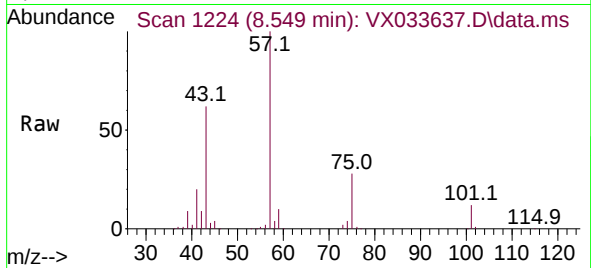




#54
cis-1,3-Dichloropropene
Concen: 14.821 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

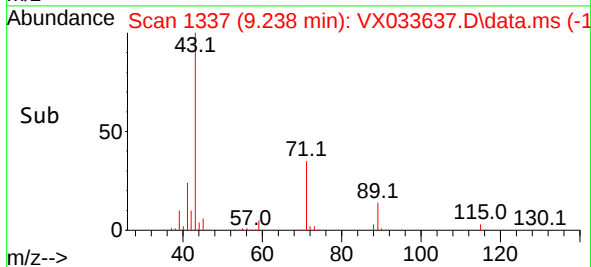
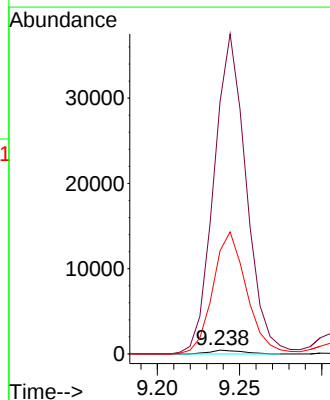
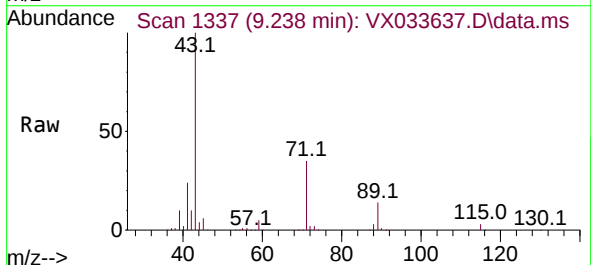
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#14

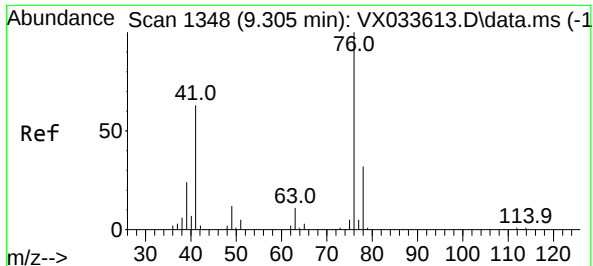
Tgt Ion: 75 Resp: 35576
Ion Ratio Lower Upper
75 100
77 0.6 25.5 38.3#
39 31.3 40.6 61.0#



#56
Ethyl methacrylate
Concen: 0.256 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. 0.122 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

Tgt Ion: 69 Resp: 611
Ion Ratio Lower Upper
69 100
41 8441.2 56.6 84.8#
39 3345.5 29.4 44.0#





#57

1,3-Dichloropropane

Concen: 1.834 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX033637.D

Acq: 06 Jan 2023 17:44

Instrument :

MSVOA_X

ClientSampleId :

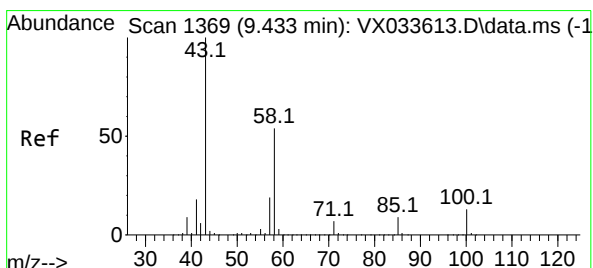
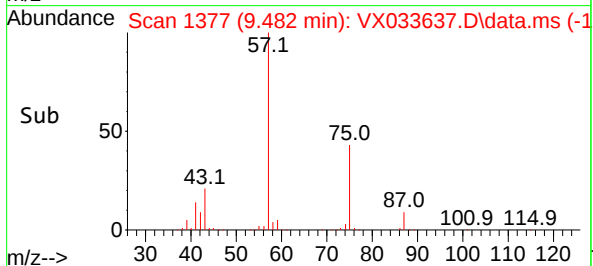
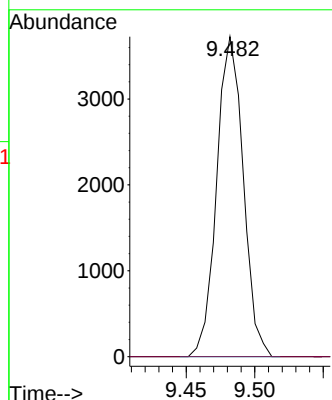
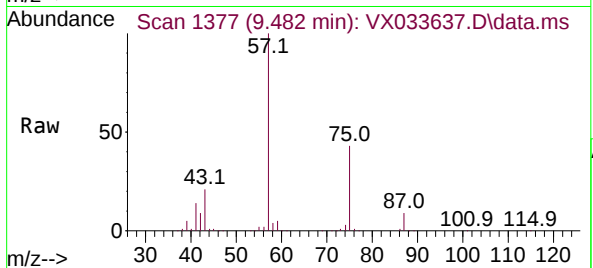
PB050057ZHE#14

Tgt Ion: 76 Resp: 5015

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 40.915 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033637.D

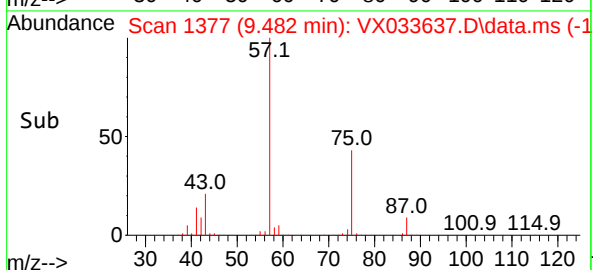
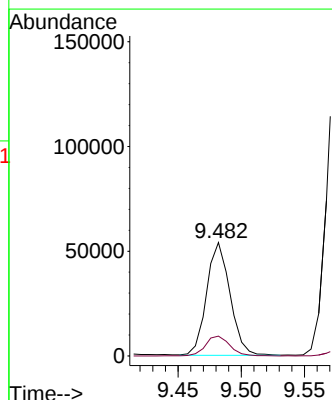
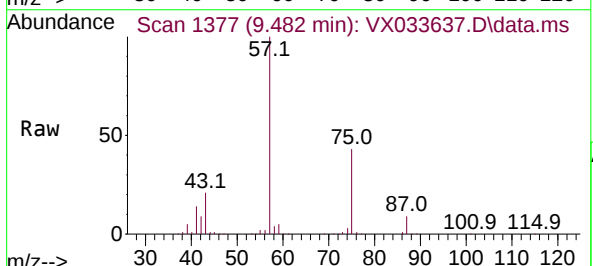
Acq: 06 Jan 2023 17:44

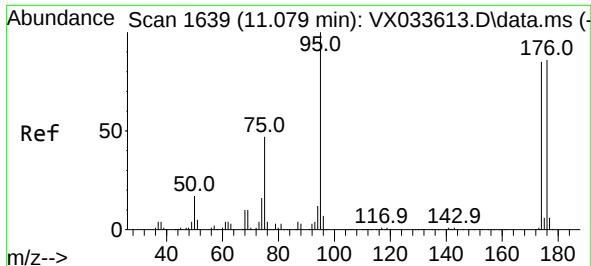
Tgt Ion: 43 Resp: 69453

Ion Ratio Lower Upper

43 100

58 18.6 26.6 79.8#

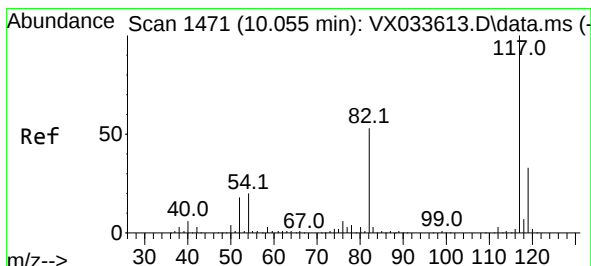
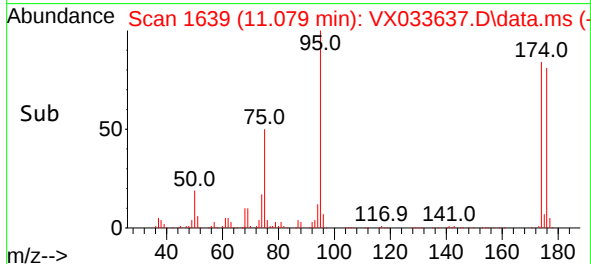
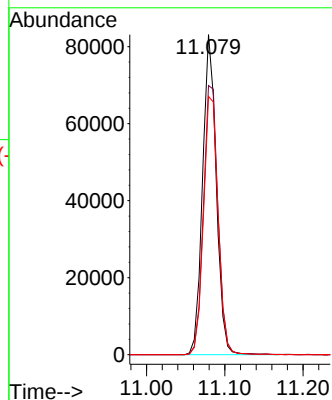
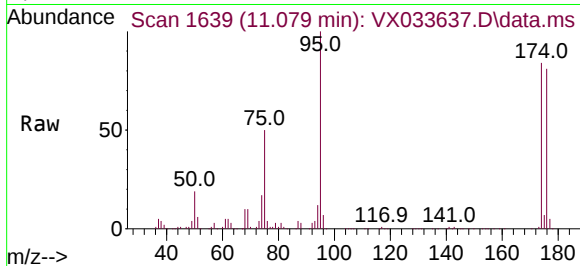




#62
4-Bromofluorobenzene
Concen: 50.737 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

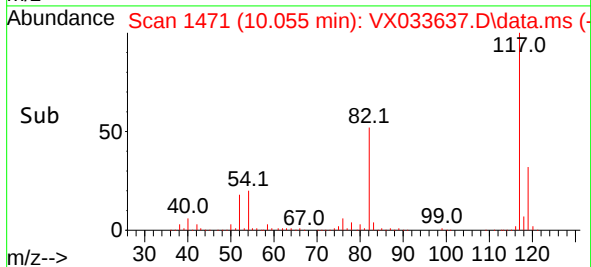
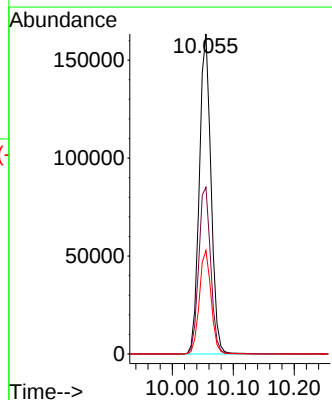
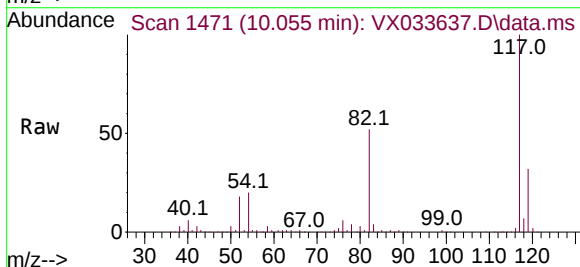
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#14

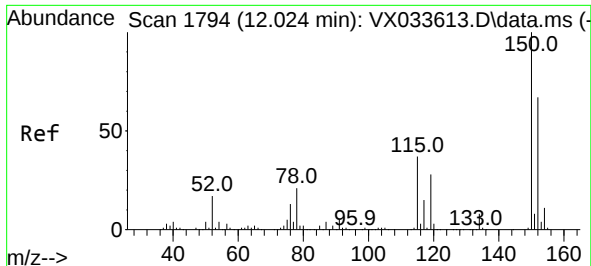
Tgt Ion: 95 Resp: 100766
Ion Ratio Lower Upper
95 100
174 90.0 0.0 180.4
176 86.5 0.0 176.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

Tgt Ion: 117 Resp: 217389
Ion Ratio Lower Upper
117 100
82 52.1 42.2 63.2
119 32.4 26.2 39.4

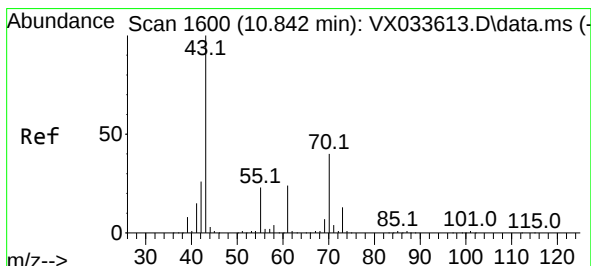
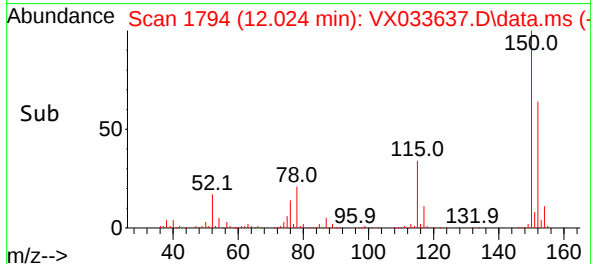
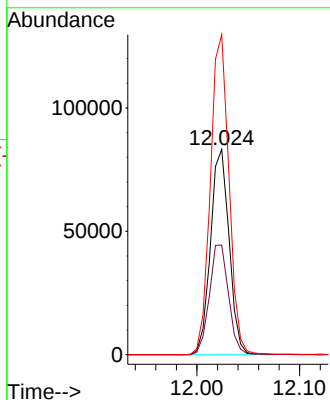
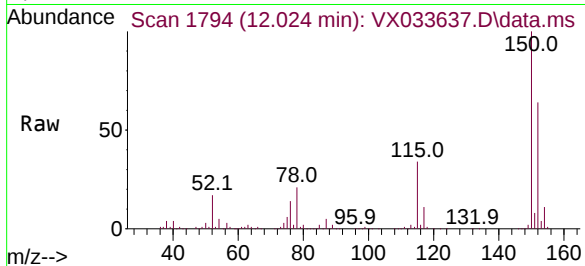




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

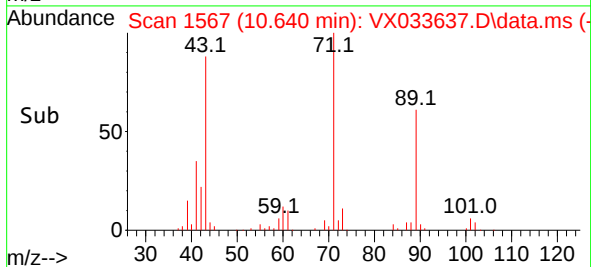
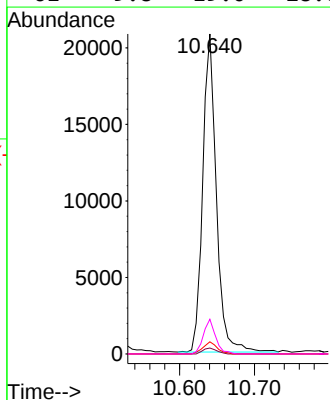
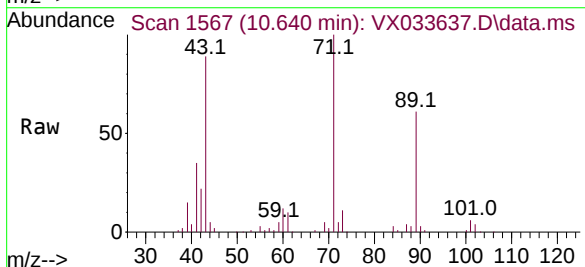
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#14

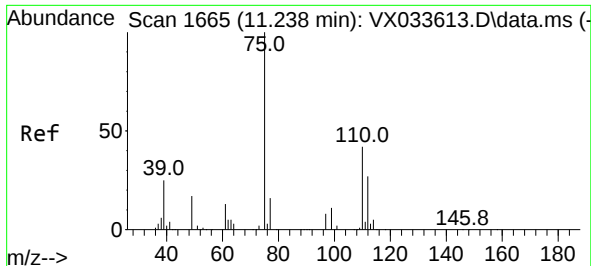
Tgt Ion:152 Resp: 104703
Ion Ratio Lower Upper
152 100
115 55.1 38.5 115.5
150 155.3 0.0 340.4



#74
N-ethyl acetate
Concen: 8.798 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

Tgt Ion: 43 Resp: 26361
Ion Ratio Lower Upper
43 100
70 1.9 33.4 50.0#
55 3.9 18.6 27.8#
61 9.8 19.0 28.6#

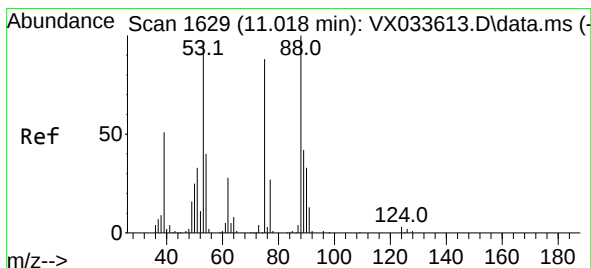
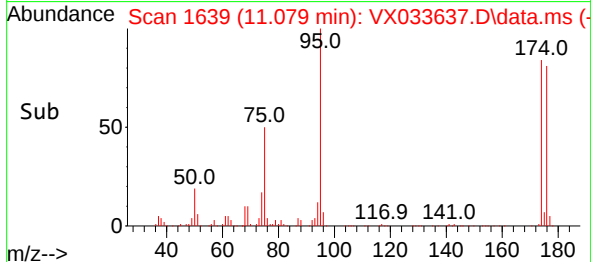
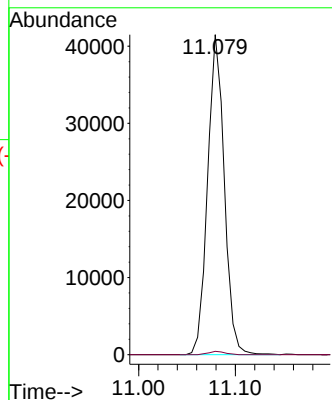
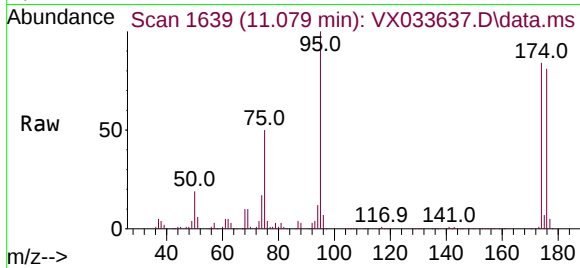




#76
1,2,3-Trichloropropane
Concen: 26.002 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

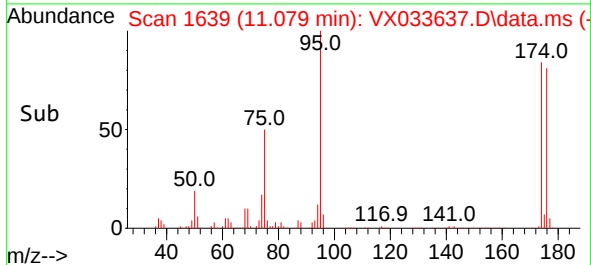
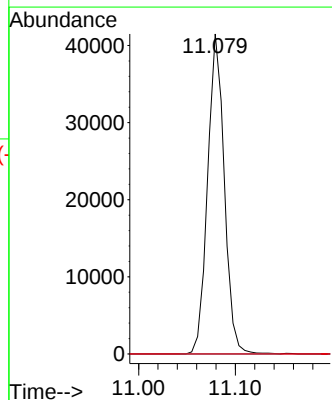
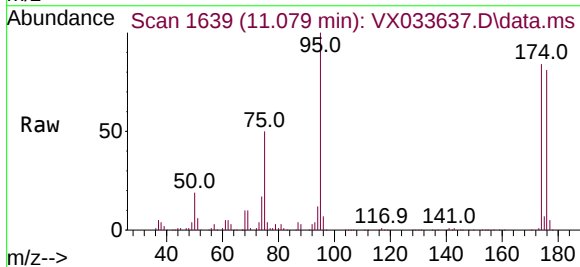
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#14

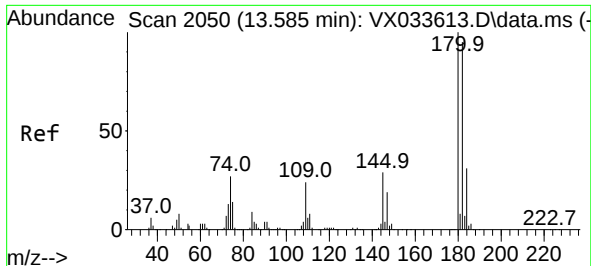
Tgt Ion: 75 Resp: 49876
Ion Ratio Lower Upper
75 100
77 1.0 21.3 63.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.919 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

Tgt Ion: 75 Resp: 49876
Ion Ratio Lower Upper
75 100
53 0.0 86.4 129.6#
89 0.0 37.4 56.2#

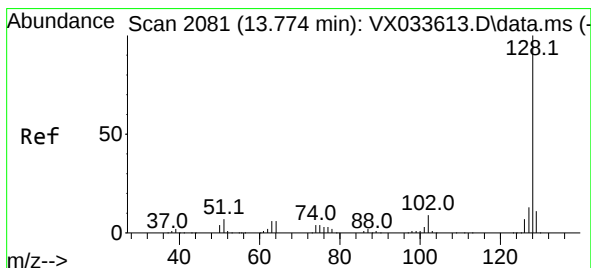
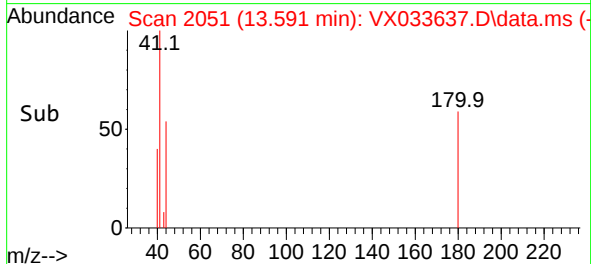
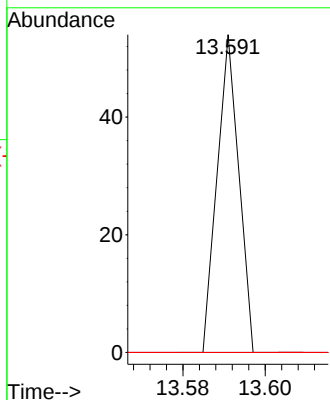
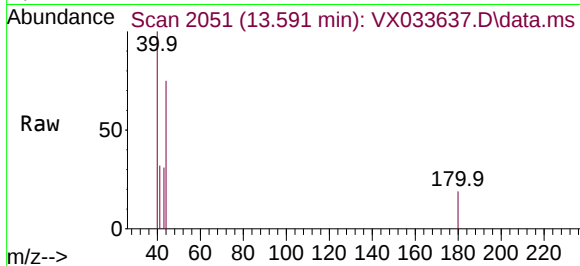




#93
1,2,4-Trichlorobenzene
Concen: 1.602 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#14

Tgt Ion:180 Resp: 20
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.2#
145 0.0 14.1 42.2#



#95
Naphthalene
Concen: 3.142 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX033637.D
Acq: 06 Jan 2023 17:44

Tgt Ion:128 Resp: 188
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 9.0 13.4#

