

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120122\
 Data File : VX033170.D
 Acq On : 01 Dec 2022 17:50
 Operator : JC/MD
 Sample : N5807-05RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

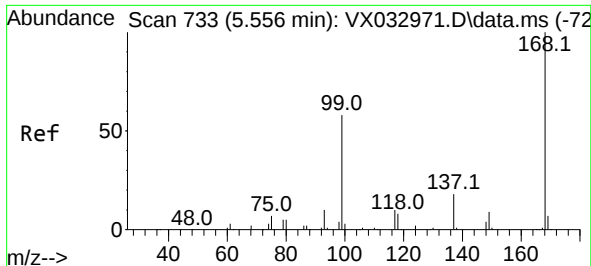
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-3RE

Quant Time: Dec 02 00:54:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	129202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	212558	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	71477	57.058	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.120%			
35) Dibromofluoromethane	5.385	113	57220	47.750	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.500%			
50) Toluene-d8	8.647	98	192786	53.626	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.260%			
62) 4-Bromofluorobenzene	11.079	95	72760	46.223	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.440%			
Target Compounds						Qvalue
3) Chloromethane	1.276	50	594	0.557	ug/l #	43
11) Tert butyl alcohol	2.947	59	2110	10.579	ug/l #	72
16) Acetone	2.386	43	12624	21.483	ug/l	96
18) Methyl Acetate	2.709	43	1417	0.871	ug/l	92
20) Methylene Chloride	2.788	84	4025	2.047	ug/l #	90
25) 2-Butanone	4.586	43	1180	1.456	ug/l #	84
27) cis-1,2-Dichloroethene	4.489	96	739	0.504	ug/l	90
29) Tetrahydrofuran	5.038	42	464	0.902	ug/l #	40
31) Cyclohexane	5.550	56	2637	1.293	ug/l #	13
36) 1,1-Dichloropropene	5.556	75	10073	5.257	ug/l #	51
37) Ethyl Acetate	4.715	43	18998	11.365	ug/l	99
38) Carbon Tetrachloride	5.550	117	13778	6.482	ug/l #	15
43) Isopropyl Acetate	6.342	43	85263	30.841	ug/l	100
44) Trichloroethene	7.129	130	22835	15.148	ug/l	98
48) Methyl methacrylate	7.799	41	81279	57.116	ug/l #	44
49) 1,4-Dioxane	7.799	88	109	4.161	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	72271	42.364	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	526	1.754	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	32353	14.992	ug/l #	62
56) Ethyl methacrylate	9.244	69	644	0.325	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4312	1.856	ug/l #	42
59) 2-Hexanone	9.482	43	60628	48.110	ug/l #	51
74) N-amyl acetate	10.817	43	1145	0.518	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	39159	22.736	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	39159	73.902	ug/l #	6

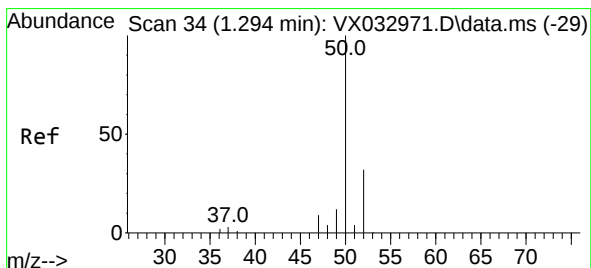
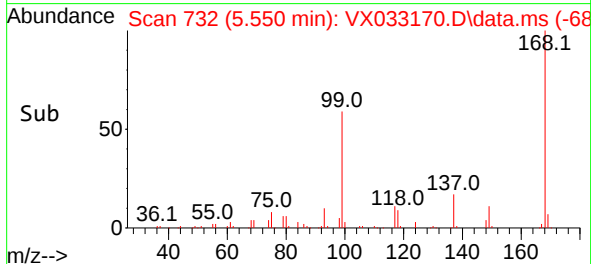
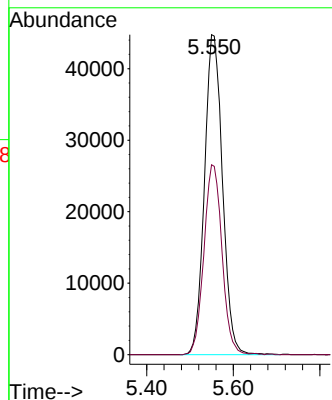
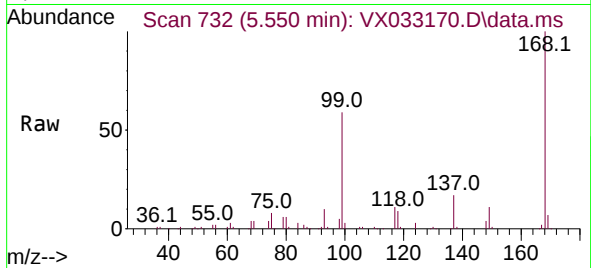
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033170.D
Acq: 01 Dec 2022 17:50

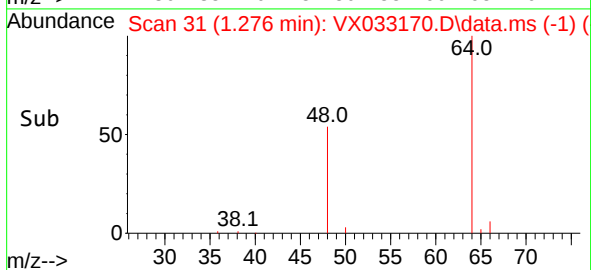
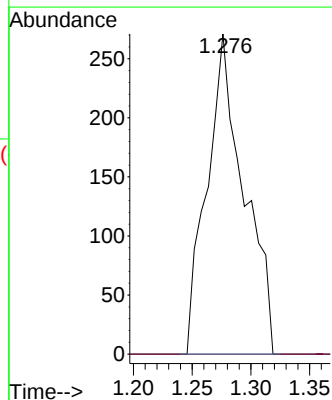
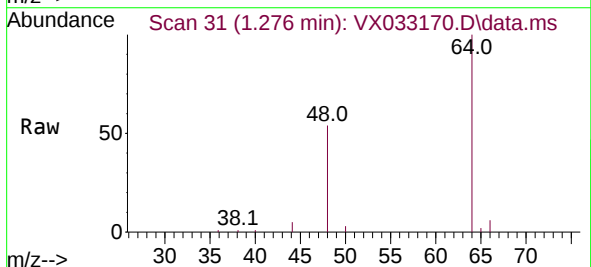
Instrument :
MSVOA_X
ClientSampleId :
COMP-3RE

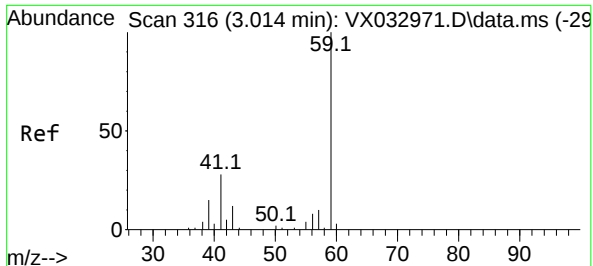
Tgt Ion:168 Resp: 129202
Ion Ratio Lower Upper
168 100
99 59.4 46.1 69.1



#3
Chloromethane
Concen: 0.557 ug/l
RT: 1.276 min Scan# 31
Delta R.T. -0.018 min
Lab File: VX033170.D
Acq: 01 Dec 2022 17:50

Tgt Ion: 50 Resp: 594
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 10.579 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.018 min

Lab File: VX033170.D

Acq: 01 Dec 2022 17:50

Instrument :

MSVOA_X

ClientSampleId :

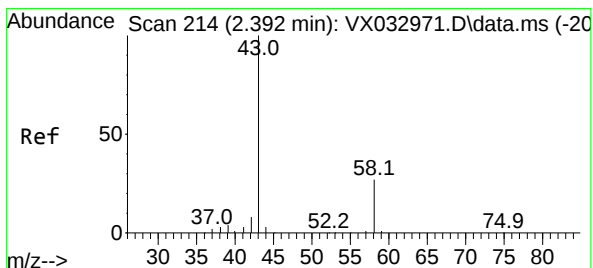
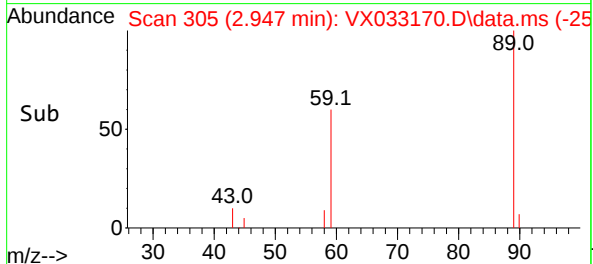
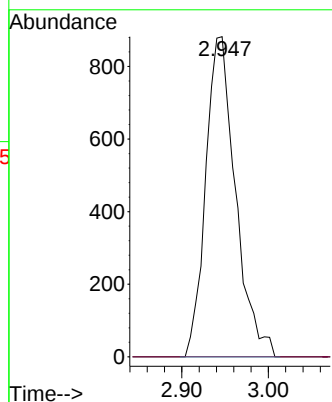
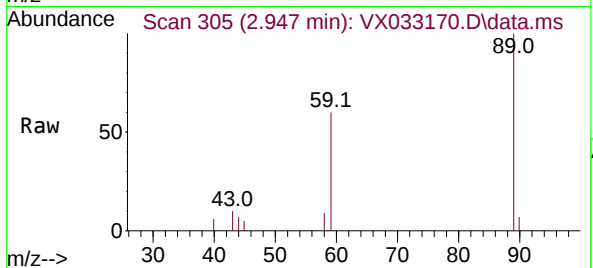
COMP-3RE

Tgt Ion: 59 Resp: 2110

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 21.483 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX033170.D

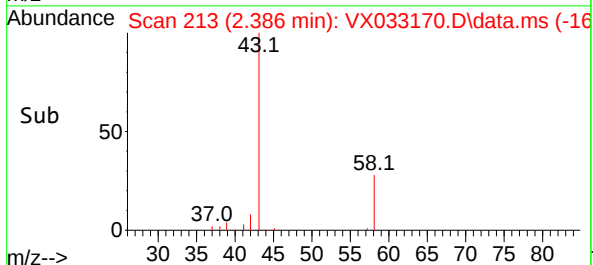
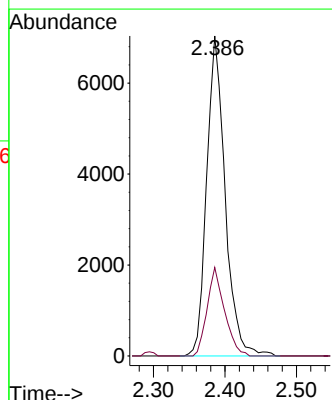
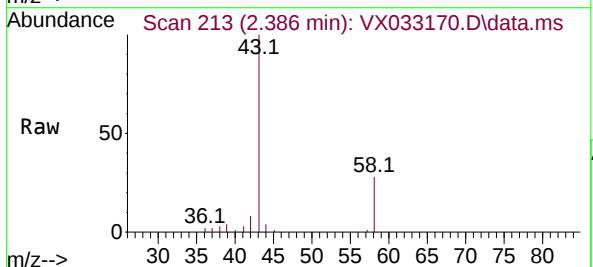
Acq: 01 Dec 2022 17:50

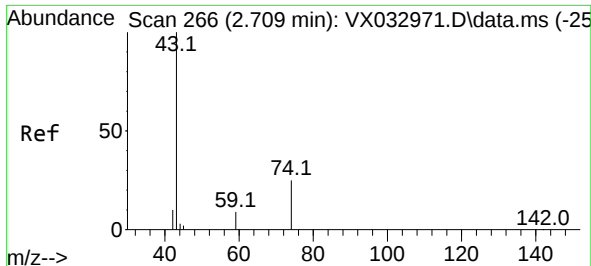
Tgt Ion: 43 Resp: 12624

Ion Ratio Lower Upper

43 100

58 27.7 23.8 35.8

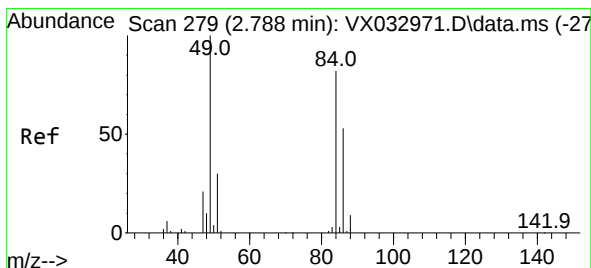
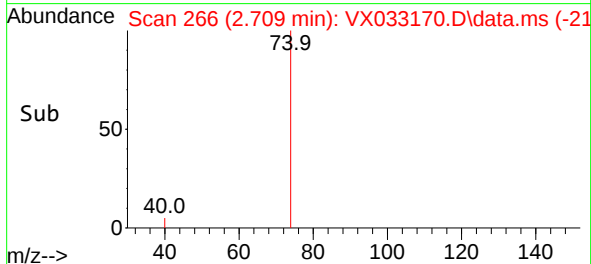
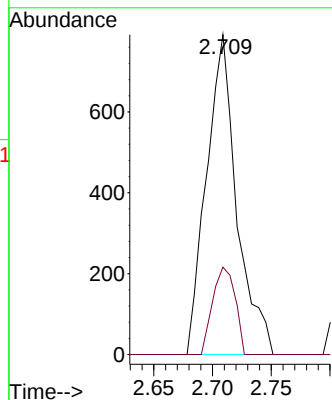
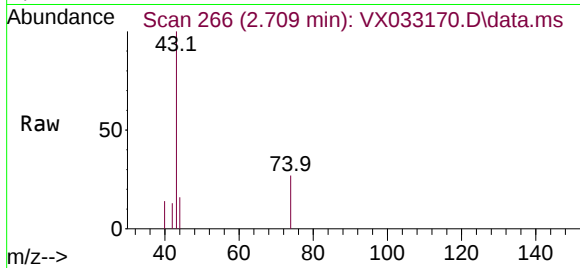




#18
Methyl Acetate
Concen: 0.871 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX033170.D
Acq: 01 Dec 2022 17:50

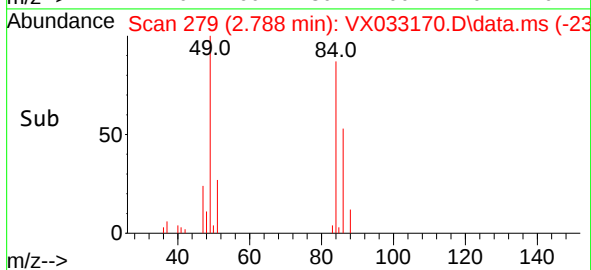
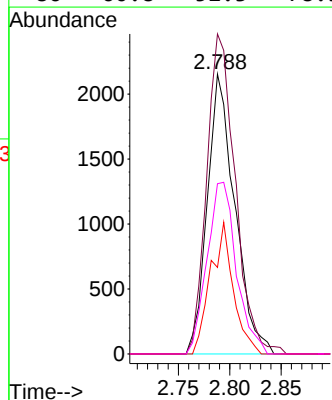
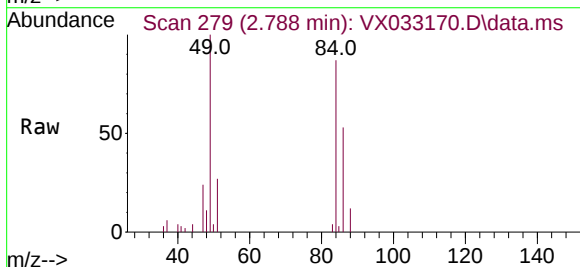
Instrument :
MSVOA_X
ClientSampleId :
COMP-3RE

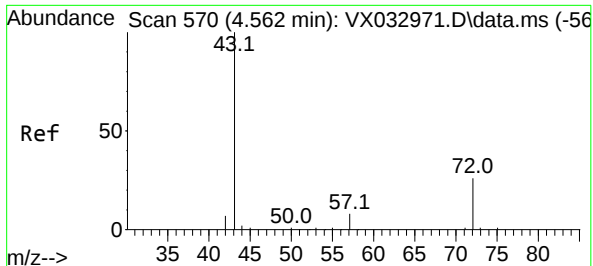
Tgt Ion: 43 Resp: 1417
Ion Ratio Lower Upper
43 100
74 20.3 19.4 29.0



#20
Methylene Chloride
Concen: 2.047 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033170.D
Acq: 01 Dec 2022 17:50

Tgt Ion: 84 Resp: 4025
Ion Ratio Lower Upper
84 100
49 114.3 101.0 151.6
51 30.9 31.1 46.7#
86 60.8 52.3 78.5

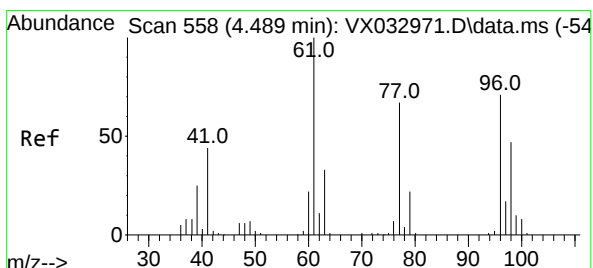
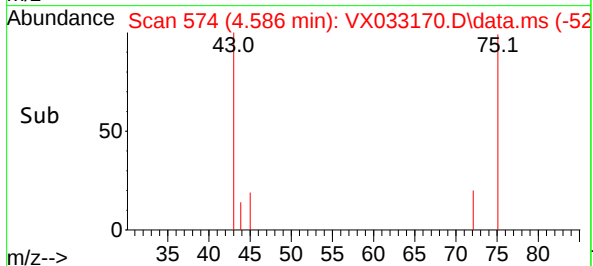
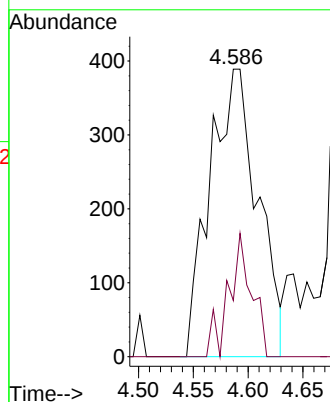
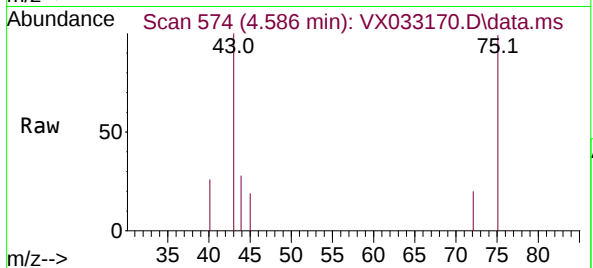




#25
2-Butanone
Concen: 1.456 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX033170.D
Acq: 01 Dec 2022 17:50

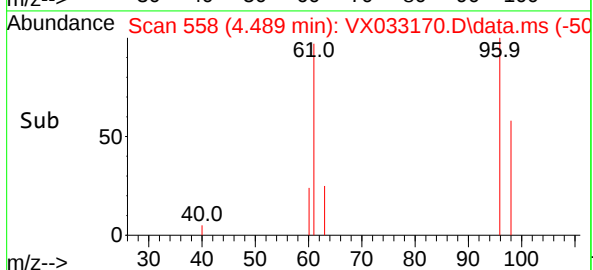
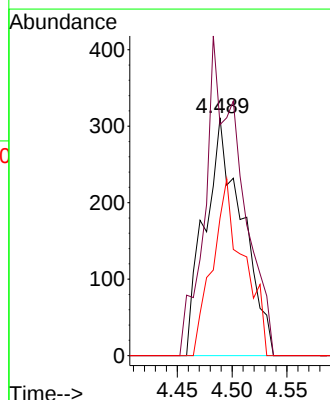
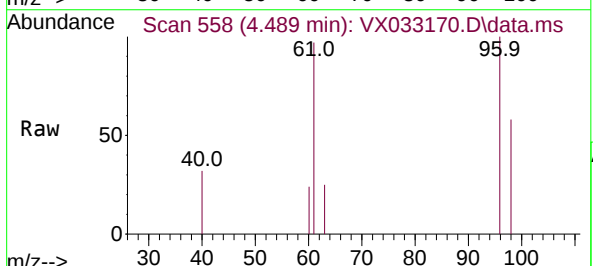
Instrument :
MSVOA_X
ClientSampleId :
COMP-3RE

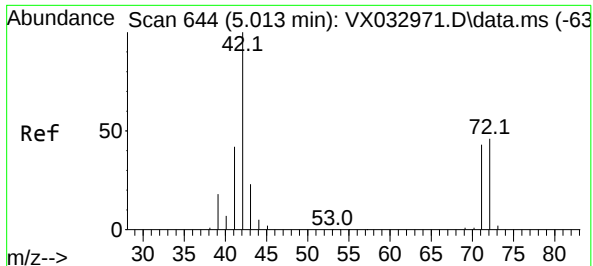
Tgt Ion: 43 Resp: 1180
Ion Ratio Lower Upper
43 100
72 19.5 22.2 33.2#



#27
cis-1,2-Dichloroethene
Concen: 0.504 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX033170.D
Acq: 01 Dec 2022 17:50

Tgt Ion: 96 Resp: 739
Ion Ratio Lower Upper
96 100
61 127.2 0.0 286.0
98 61.8 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.902 ug/l

RT: 5.038 min Scan# 644

Delta R.T. 0.037 min

Lab File: VX033170.D

Acq: 01 Dec 2022 17:50

Instrument :

MSVOA_X

ClientSampleId :

COMP-3RE

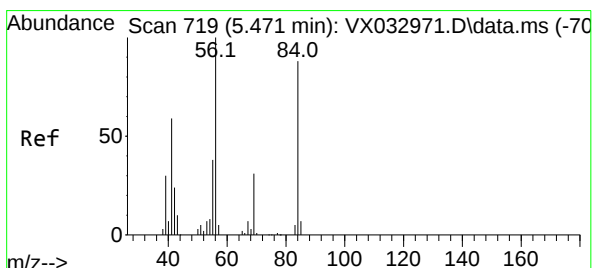
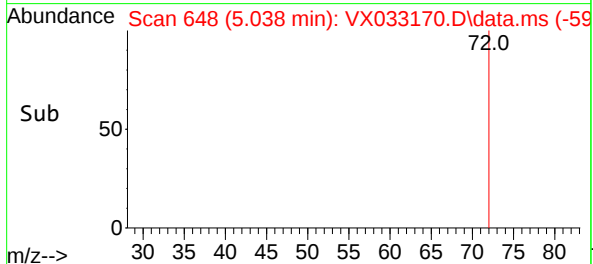
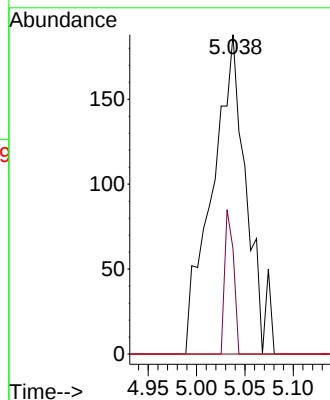
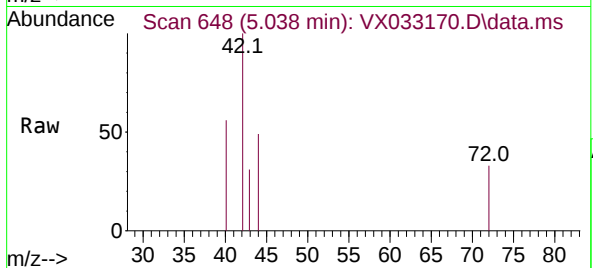
Tgt Ion: 42 Resp: 464

Ion Ratio Lower Upper

42 100

72 11.6 37.6 56.4#

71 0.0 34.7 52.1#



#31

Cyclohexane

Concen: 1.293 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX033170.D

Acq: 01 Dec 2022 17:50

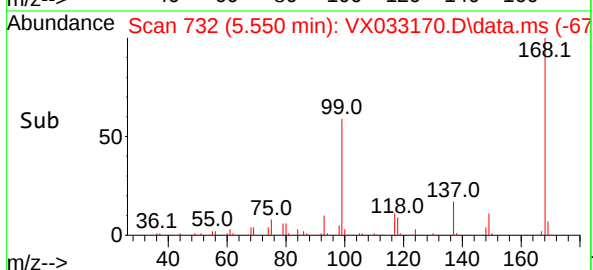
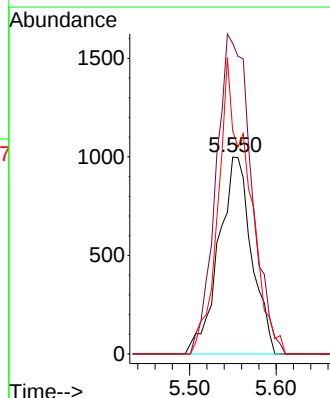
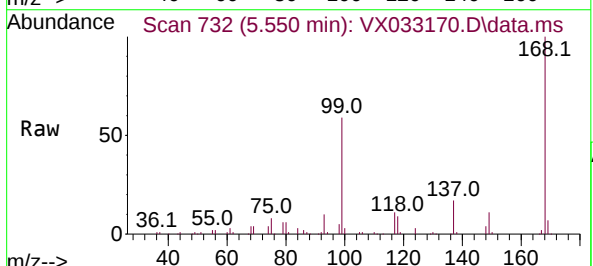
Tgt Ion: 56 Resp: 2637

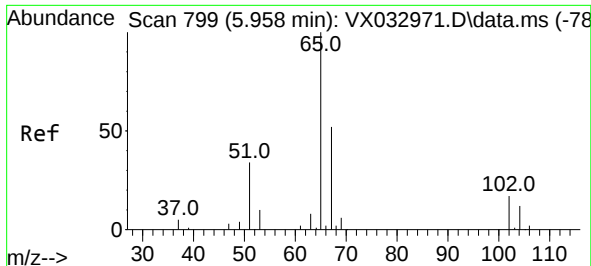
Ion Ratio Lower Upper

56 100

69 157.9 24.1 36.1#

84 113.4 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 57.058 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033170.D

Acq: 01 Dec 2022 17:50

Instrument :

MSVOA_X

ClientSampleId :

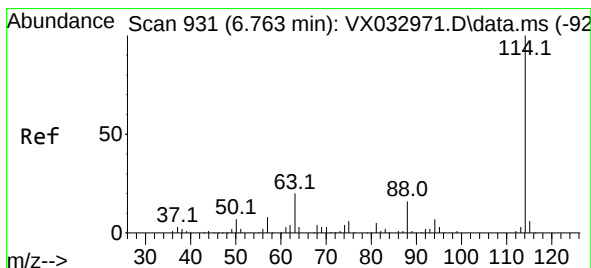
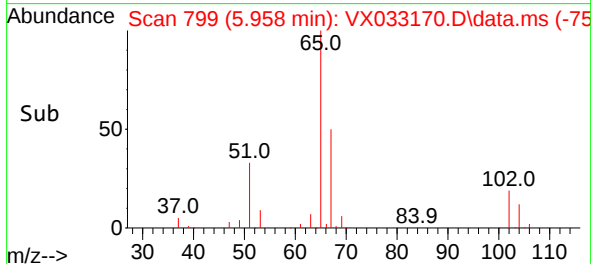
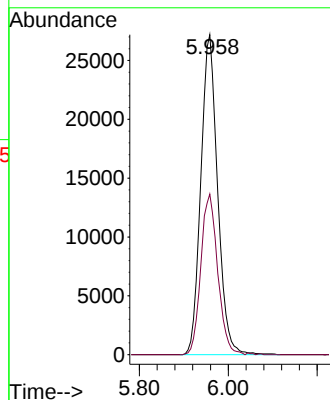
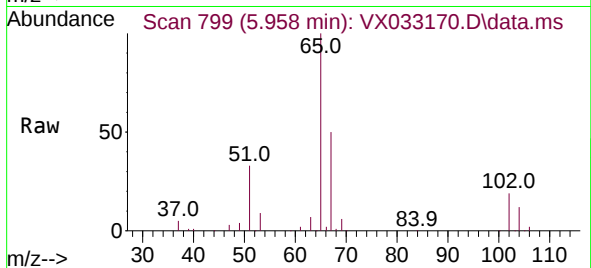
COMP-3RE

Tgt Ion: 65 Resp: 71477

Ion Ratio Lower Upper

65 100

67 50.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033170.D

Acq: 01 Dec 2022 17:50

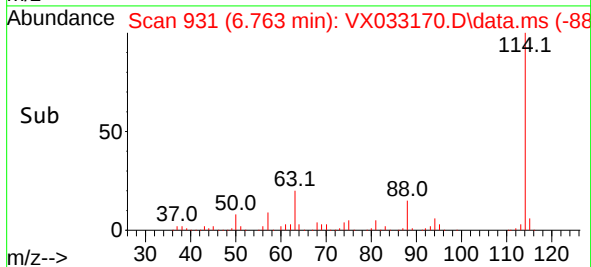
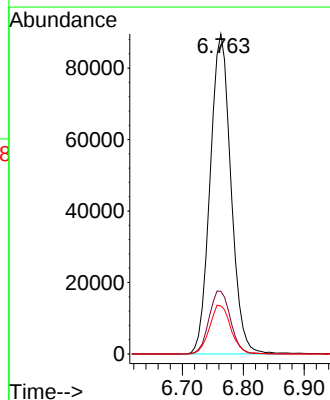
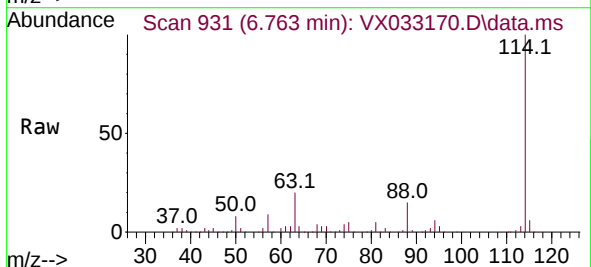
Tgt Ion: 114 Resp: 212558

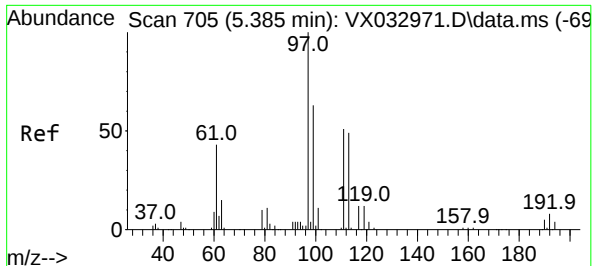
Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.6

88 15.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.750 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX033170.D

Acq: 01 Dec 2022 17:50

Instrument :

MSVOA_X

ClientSampleId :

COMP-3RE

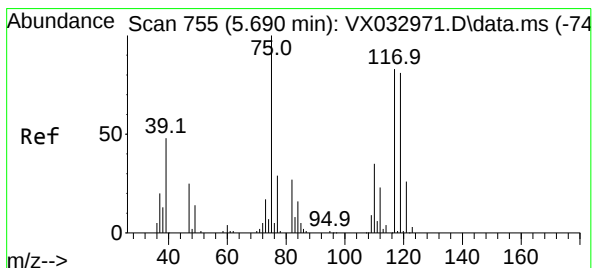
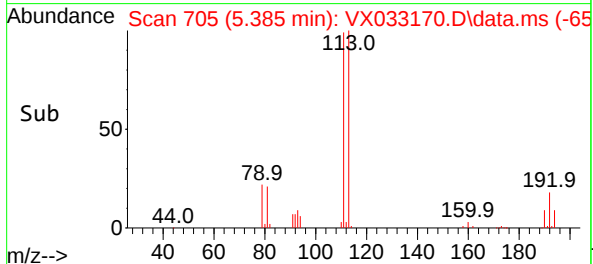
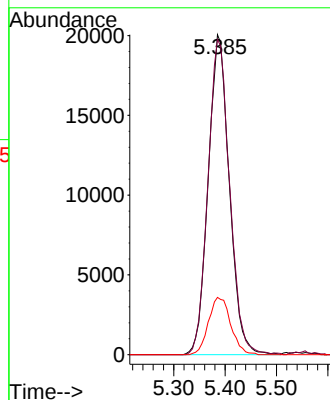
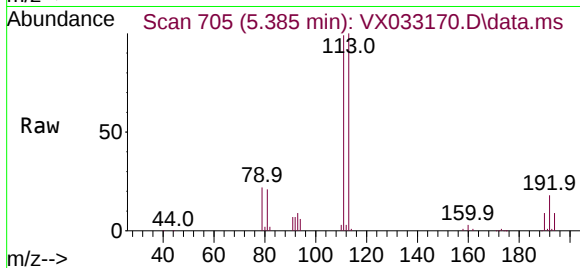
Tgt Ion:113 Resp: 57220

Ion Ratio Lower Upper

113 100

111 101.0 82.4 123.6

192 18.8 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.257 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX033170.D

Acq: 01 Dec 2022 17:50

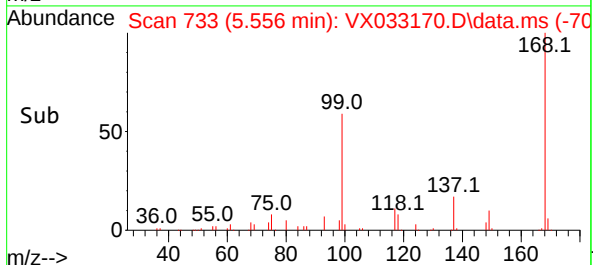
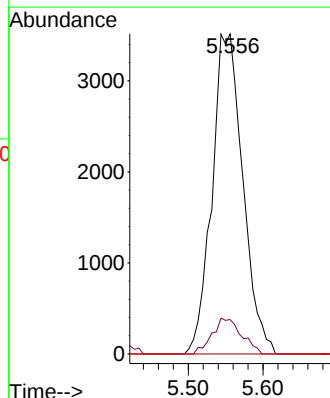
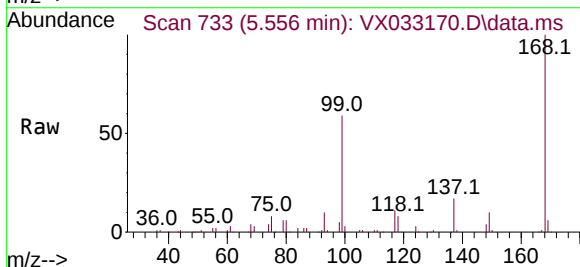
Tgt Ion: 75 Resp: 10073

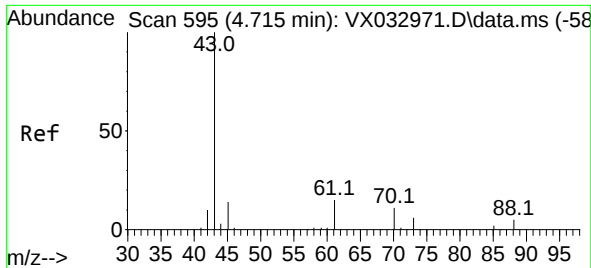
Ion Ratio Lower Upper

75 100

110 10.6 18.4 55.2#

77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 11.365 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX033170.D

Acq: 01 Dec 2022 17:50

Instrument :

MSVOA_X

ClientSampleId :

COMP-3RE

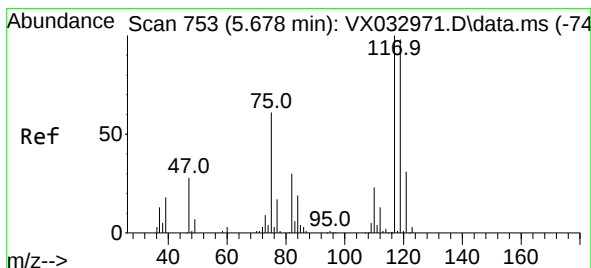
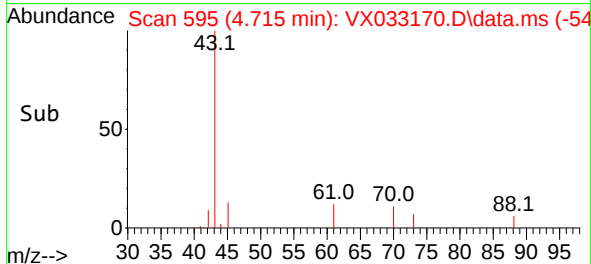
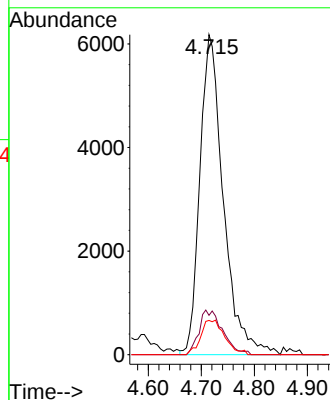
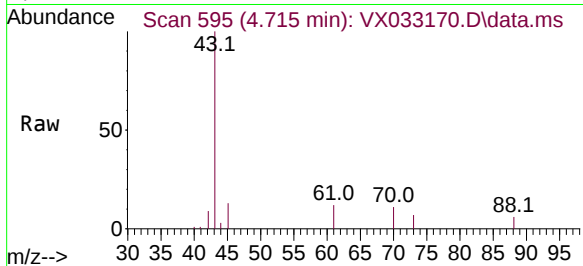
Tgt Ion: 43 Resp: 18998

Ion Ratio Lower Upper

43 100

61 14.0 11.5 17.3

70 11.0 9.1 13.7



#38

Carbon Tetrachloride

Concen: 6.482 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX033170.D

Acq: 01 Dec 2022 17:50

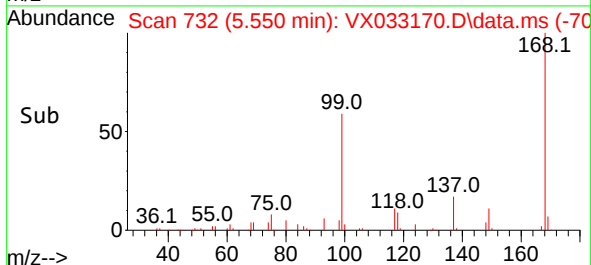
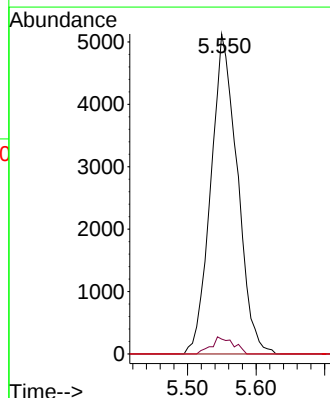
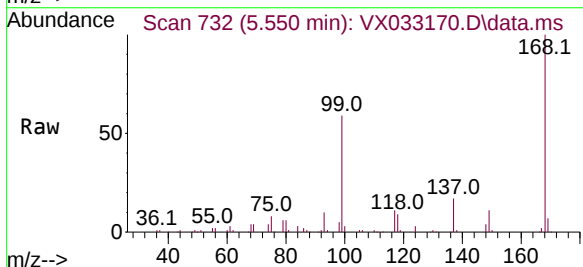
Tgt Ion: 117 Resp: 13778

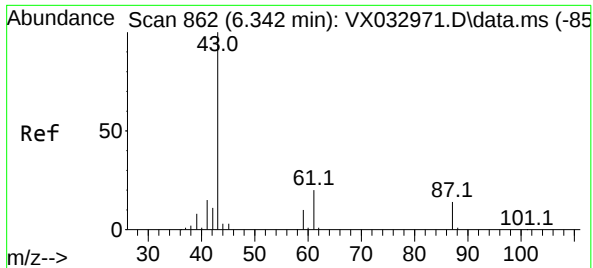
Ion Ratio Lower Upper

117 100

119 4.6 77.2 115.8#

121 0.0 25.8 38.6#

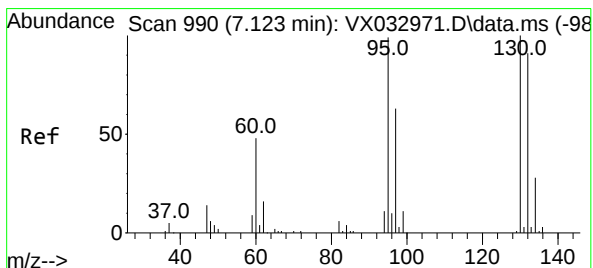
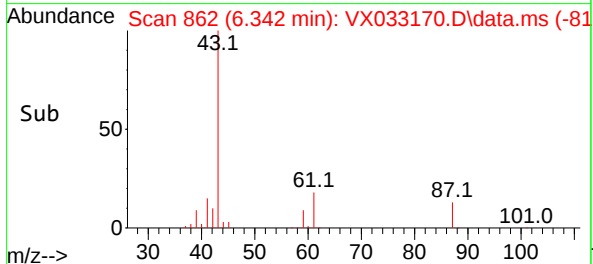
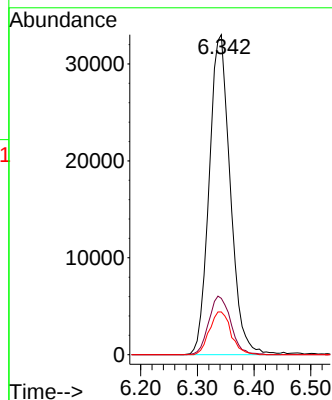
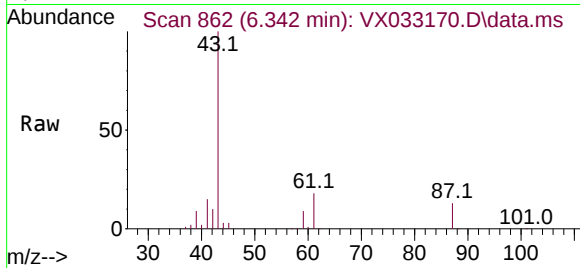




#43
Isopropyl Acetate
Concen: 30.841 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX033170.D
Acq: 01 Dec 2022 17:50

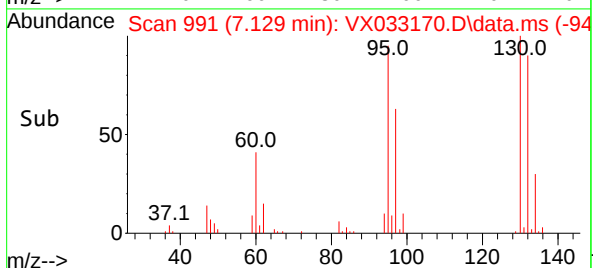
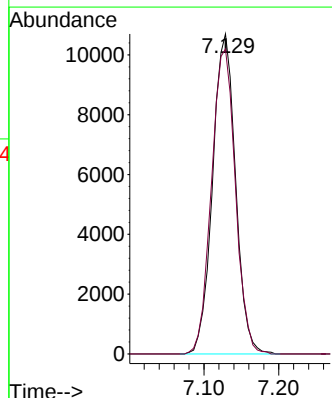
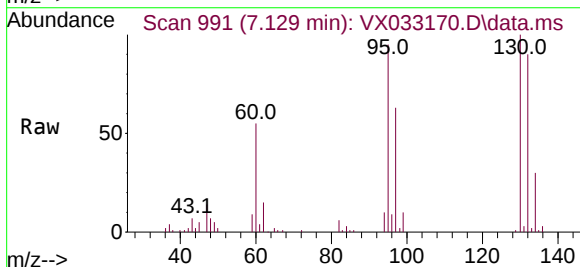
Instrument :
MSVOA_X
ClientSampleId :
COMP-3RE

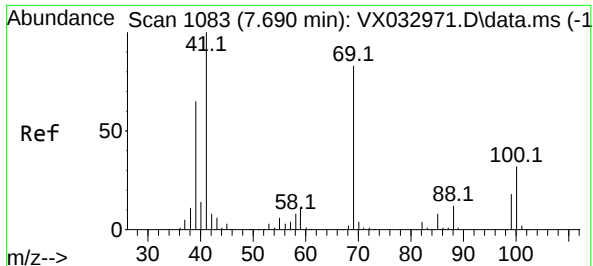
Tgt Ion: 43 Resp: 85263
Ion Ratio Lower Upper
43 100
61 19.0 15.4 23.0
87 13.6 10.8 16.2



#44
Trichloroethene
Concen: 15.148 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX033170.D
Acq: 01 Dec 2022 17:50

Tgt Ion:130 Resp: 22835
Ion Ratio Lower Upper
130 100
95 95.3 0.0 195.2





#48

Methyl methacrylate

Concen: 57.116 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX033170.D

Acq: 01 Dec 2022 17:50

Instrument :

MSVOA_X

ClientSampleId :

COMP-3RE

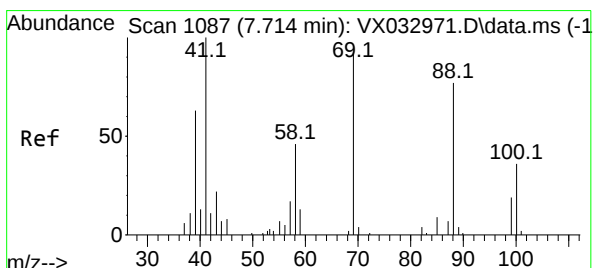
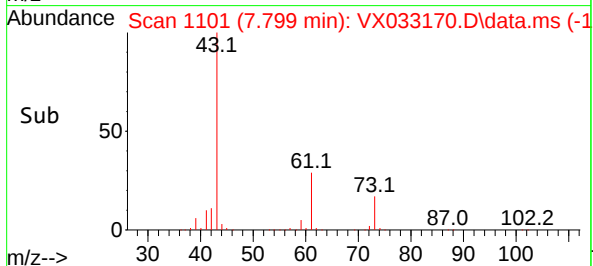
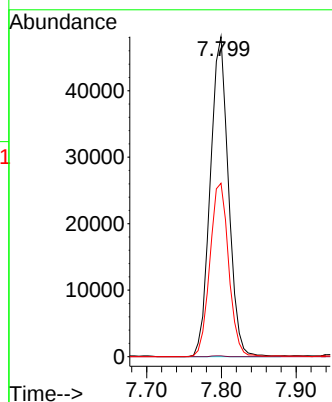
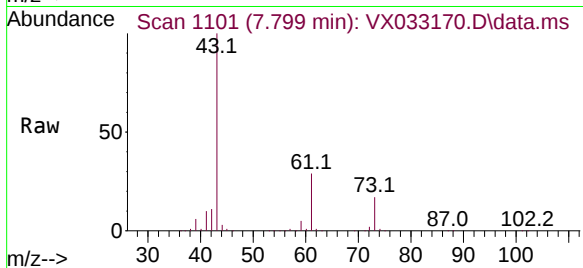
Tgt Ion: 41 Resp: 81279

Ion Ratio Lower Upper

41 100

69 0.2 65.1 97.7#

39 55.9 51.9 77.9



#49

1,4-Dioxane

Concen: 4.161 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.128 min

Lab File: VX033170.D

Acq: 01 Dec 2022 17:50

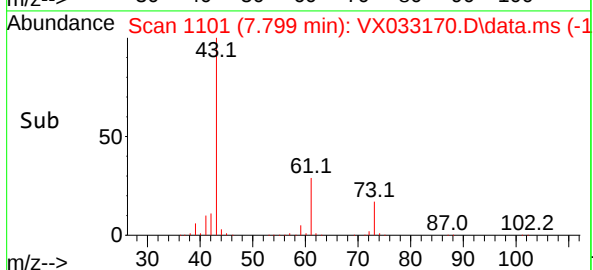
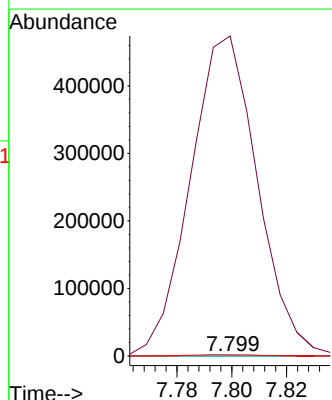
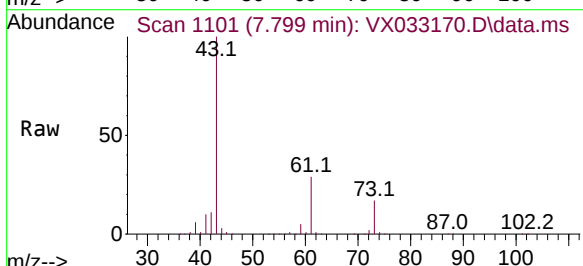
Tgt Ion: 88 Resp: 109

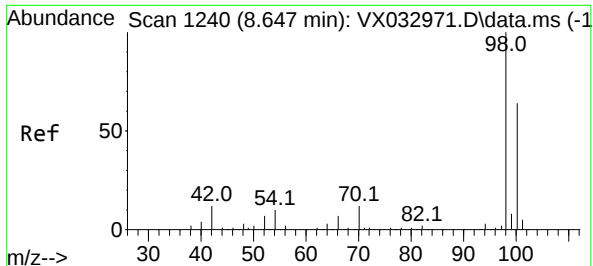
Ion Ratio Lower Upper

88 100

43 747047.7 26.6 39.8#

58 3022.9 51.7 77.5#

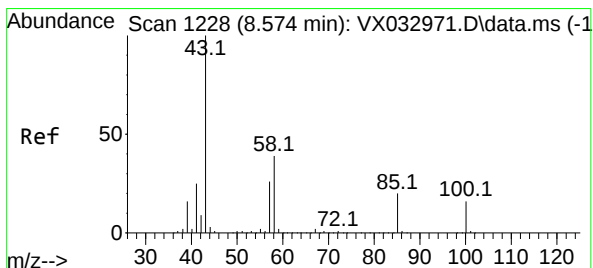
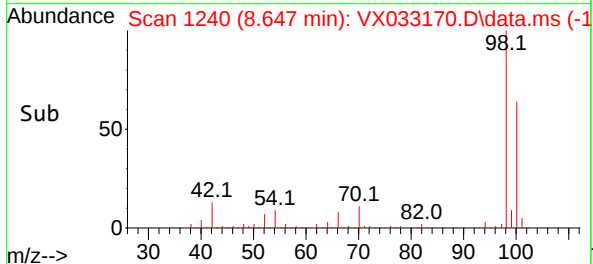
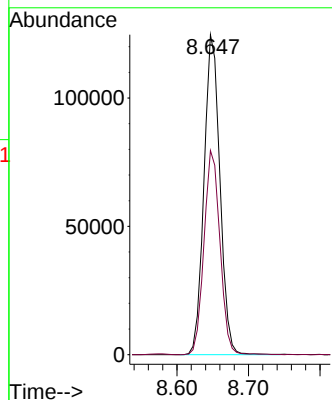
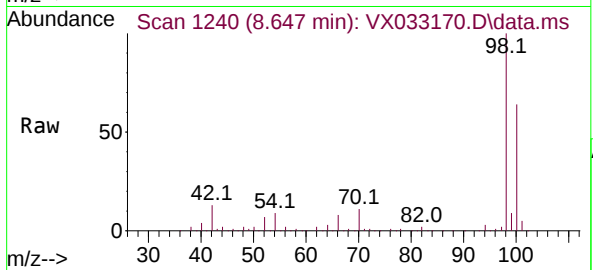




#50
Toluene-d8
Concen: 53.626 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033170.D
Acq: 01 Dec 2022 17:50

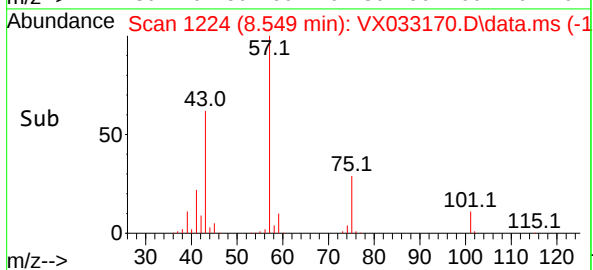
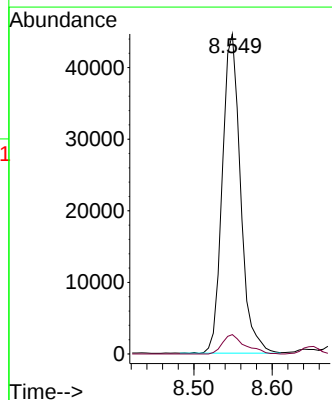
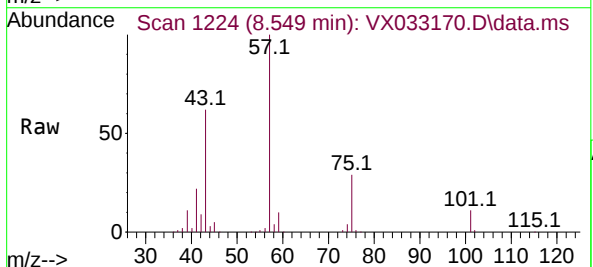
Instrument :
MSVOA_X
ClientSampleId :
COMP-3RE

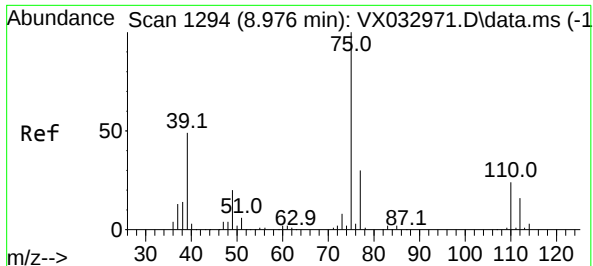
Tgt Ion: 98 Resp: 192786
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 42.364 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX033170.D
Acq: 01 Dec 2022 17:50

Tgt Ion: 43 Resp: 72271
Ion Ratio Lower Upper
43 100
58 7.4 30.9 46.3#





#53

t-1,3-Dichloropropene

Concen: 1.754 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX033170.D

Acq: 01 Dec 2022 17:50

Instrument :

MSVOA_X

ClientSampleId :

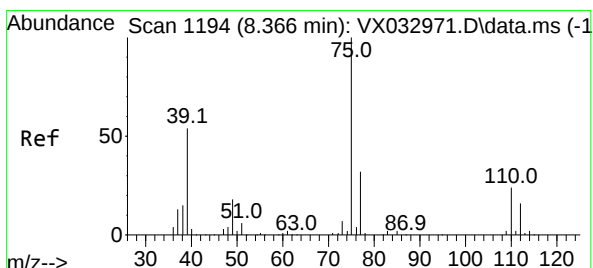
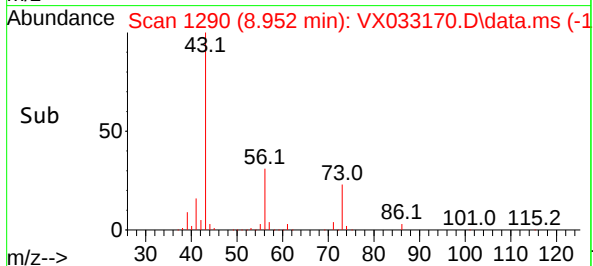
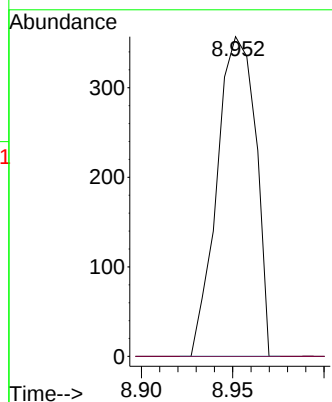
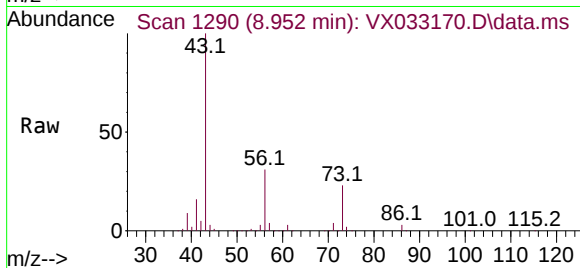
COMP-3RE

Tgt Ion: 75 Resp: 526

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 14.992 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX033170.D

Acq: 01 Dec 2022 17:50

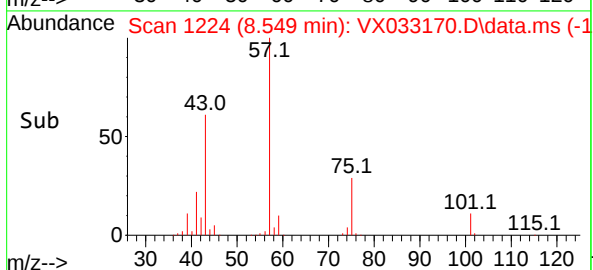
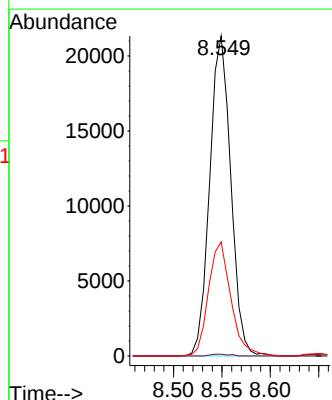
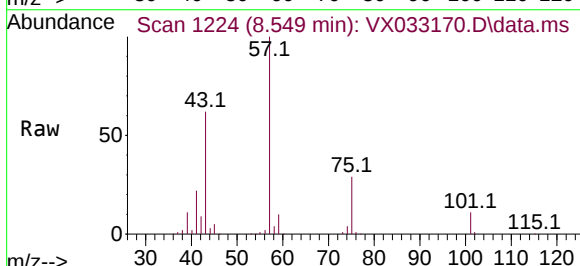
Tgt Ion: 75 Resp: 32353

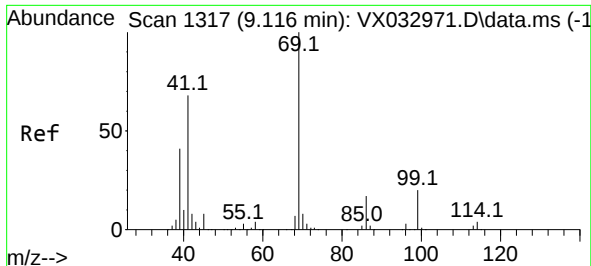
Ion Ratio Lower Upper

75 100

77 0.6 25.1 37.7#

39 35.6 45.5 68.3#

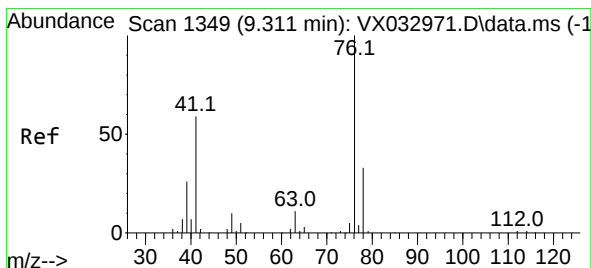
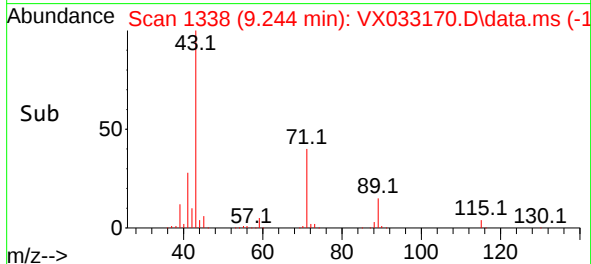
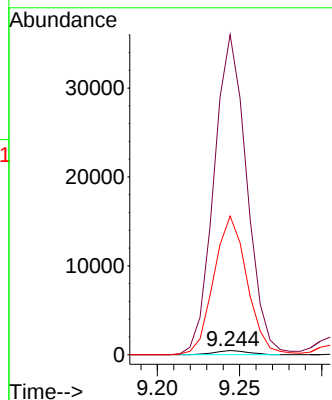
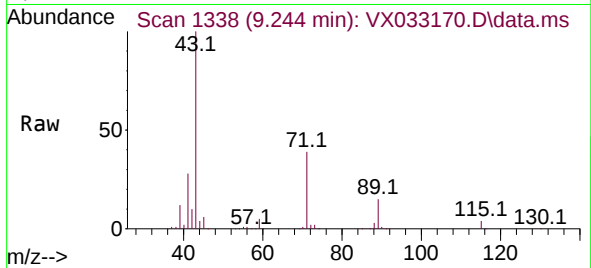




#56
Ethyl methacrylate
Concen: 0.325 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX033170.D
Acq: 01 Dec 2022 17:50

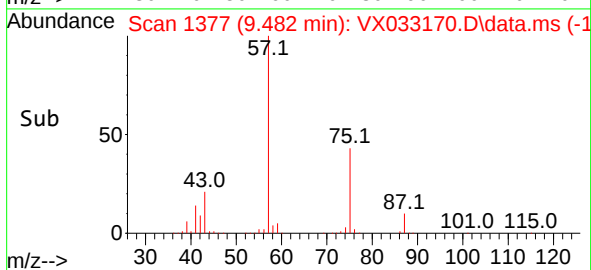
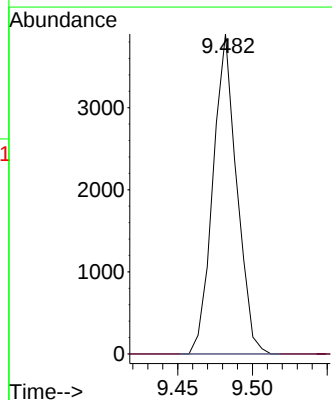
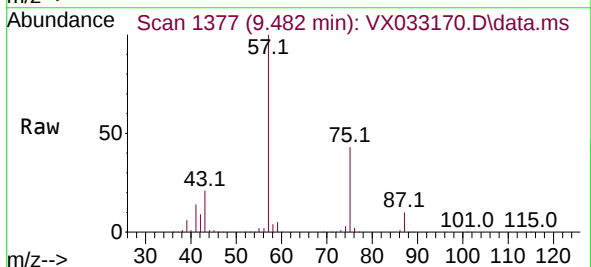
Instrument :
MSVOA_X
ClientSampleId :
COMP-3RE

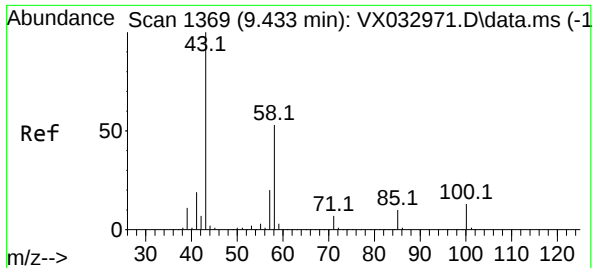
Tgt Ion: 69 Resp: 644
Ion Ratio Lower Upper
69 100
41 7779.8 54.3 81.5#
39 3421.0 35.2 52.8#



#57
1,3-Dichloropropane
Concen: 1.856 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX033170.D
Acq: 01 Dec 2022 17:50

Tgt Ion: 76 Resp: 4312
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#

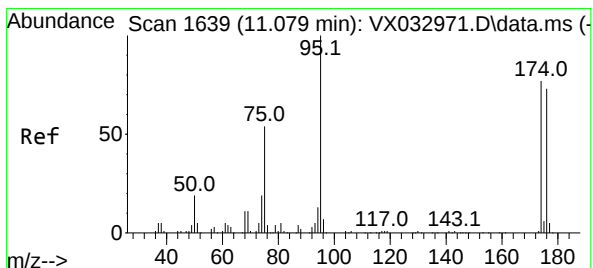
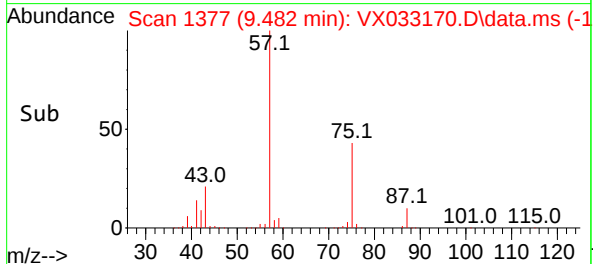
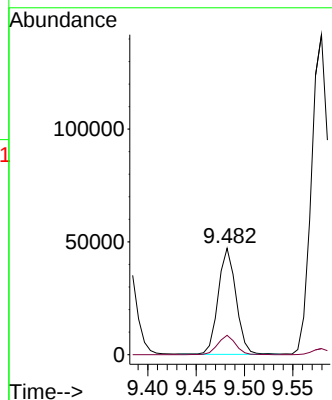
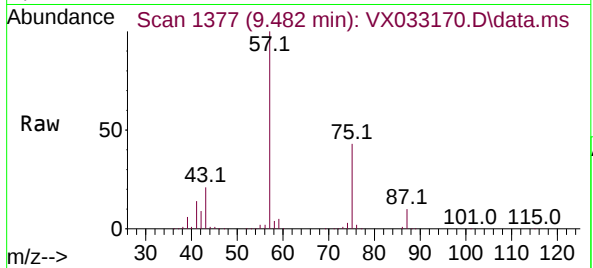




#59
2-Hexanone
Concen: 48.110 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033170.D
Acq: 01 Dec 2022 17:50

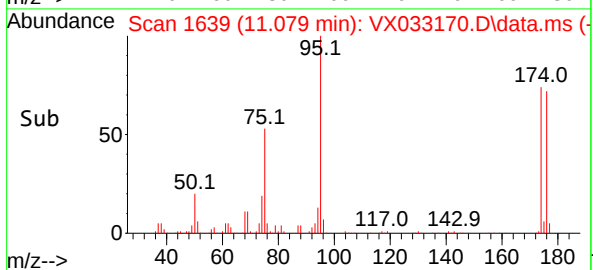
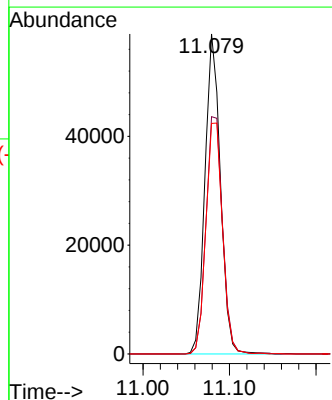
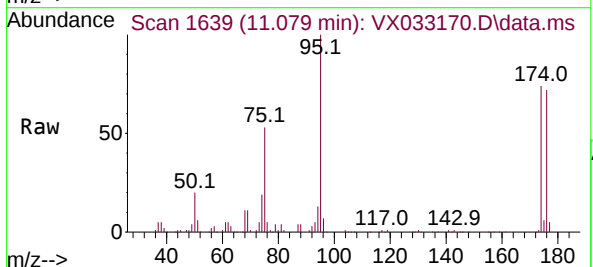
Instrument :
MSVOA_X
ClientSampleId :
COMP-3RE

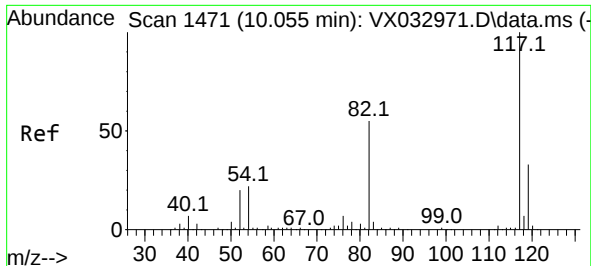
Tgt Ion: 43 Resp: 60628
Ion Ratio Lower Upper
43 100
58 18.2 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 46.223 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033170.D
Acq: 01 Dec 2022 17:50

Tgt Ion: 95 Resp: 72760
Ion Ratio Lower Upper
95 100
174 79.5 0.0 164.0
176 78.0 0.0 154.4

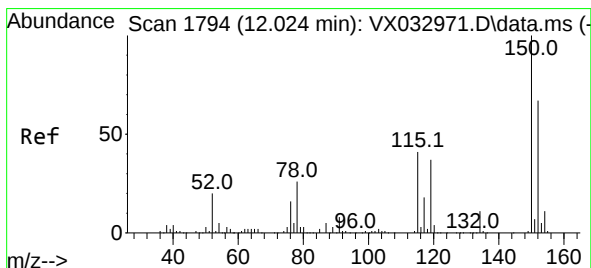
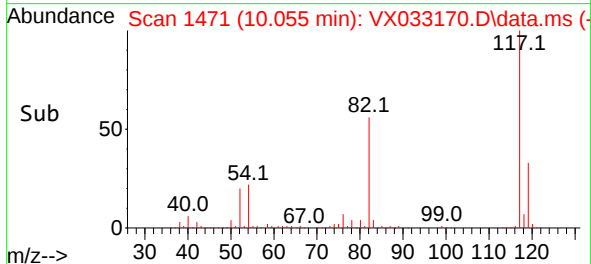
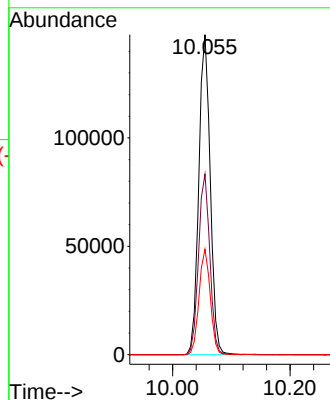
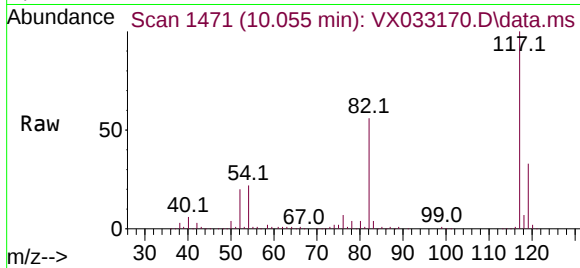




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033170.D
Acq: 01 Dec 2022 17:50

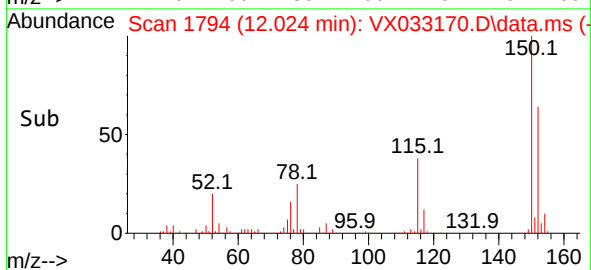
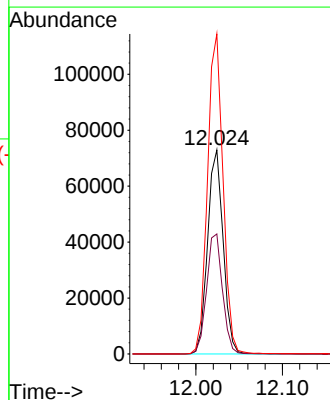
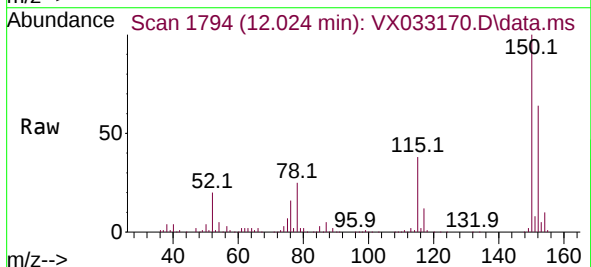
Instrument :
MSVOA_X
ClientSampleId :
COMP-3RE

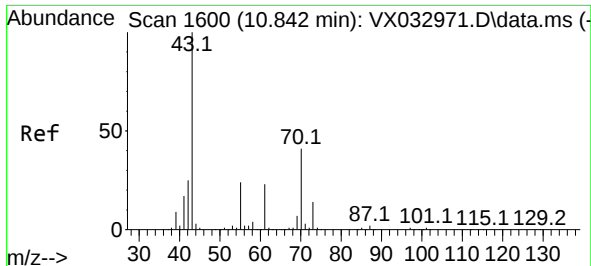
Tgt Ion:117 Resp: 199055
Ion Ratio Lower Upper
117 100
82 56.4 44.3 66.5
119 33.0 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033170.D
Acq: 01 Dec 2022 17:50

Tgt Ion:152 Resp: 90945
Ion Ratio Lower Upper
152 100
115 60.2 44.0 132.0
150 156.3 0.0 351.8

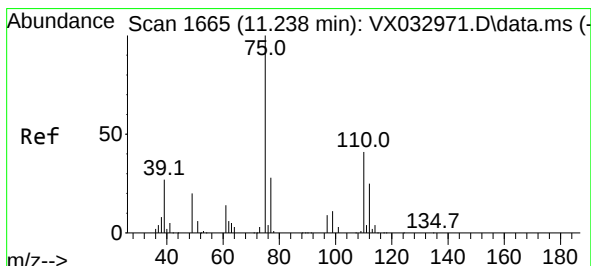
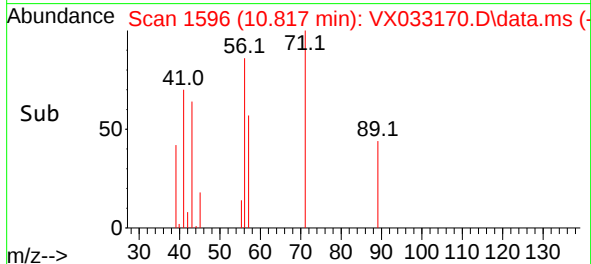
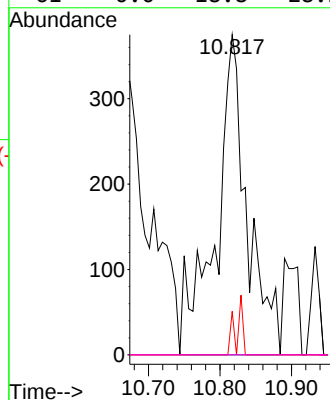
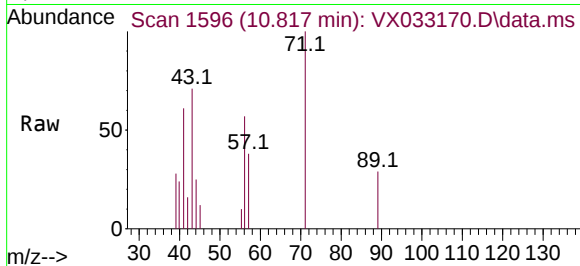




#74
N-amy1 acetate
Concen: 0.518 ug/l
RT: 10.817 min Scan# 1145
Delta R.T. -0.024 min
Lab File: VX033170.D
Acq: 01 Dec 2022 17:50

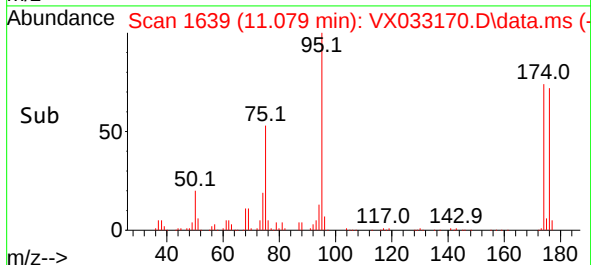
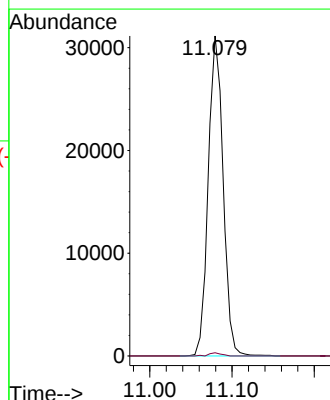
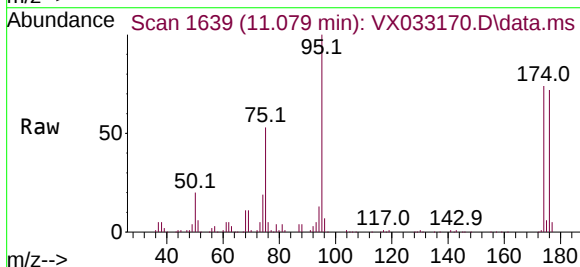
Instrument :
MSVOA_X
ClientSampleId :
COMP-3RE

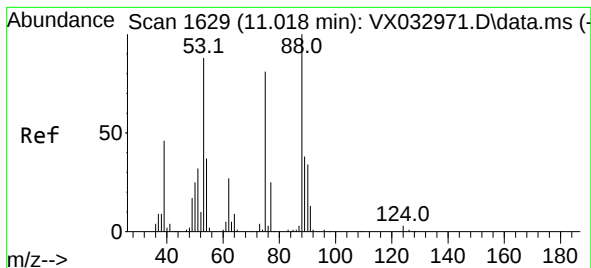
Tgt Ion: 43	Resp: 1145
Ion Ratio	Lower Upper
43	100
70	0.0 33.6 50.4#
55	0.0 19.4 29.2#
61	0.0 18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 22.736 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033170.D
Acq: 01 Dec 2022 17:50

Tgt Ion: 75	Resp: 39159
Ion Ratio	Lower Upper
75	100
77	0.8 20.0 60.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 73.902 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX033170.D

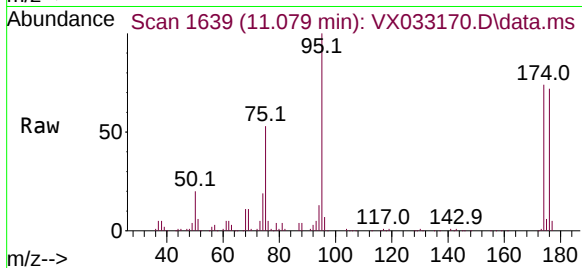
Acq: 01 Dec 2022 17:50

Instrument :

MSVOA_X

ClientSampleId :

COMP-3RE



Tgt Ion: 75 Resp: 39159

Ion Ratio Lower Upper

75 100

53 0.0 86.9 130.3#

89 0.0 38.3 57.5#

