

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121522\
 Data File : VX033447.D
 Acq On : 15 Dec 2022 17:08
 Operator : JC/MD
 Sample : N6067-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-LIQUID-20221214

Quant Time: Dec 16 01:04:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

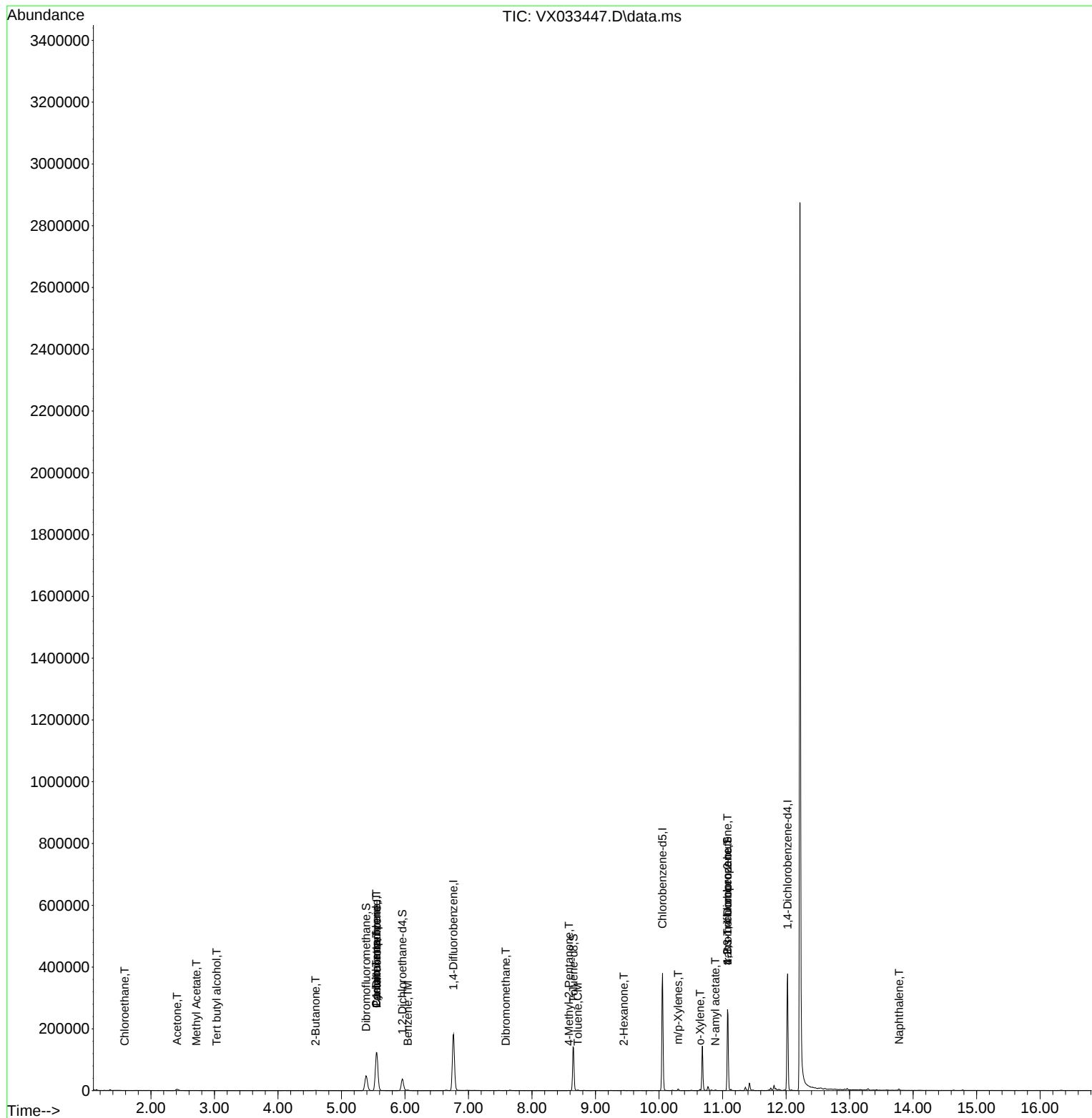
Internal Standards						
1) Pentafluorobenzene	5.556	168	119199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	192014	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	171634	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	38430	50.255	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	100.500%
35) Dibromofluoromethane	5.385	113	42408	49.104	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.200%
50) Toluene-d8	8.653	98	88326	48.888	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.780%
62) 4-Bromofluorobenzene	11.079	95	69392	50.232	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.460%
Target Compounds						
					Qvalue	
6) Chloroethane	1.587	64	278	0.333	ug/l #	42
11) Tert butyl alcohol	3.032	59	48	0.205	ug/l #	72
16) Acetone	2.410	43	8700	15.375	ug/l	100
18) Methyl Acetate	2.715	43	611	0.373	ug/l #	57
25) 2-Butanone	4.592	43	2458	3.026	ug/l	91
31) Cyclohexane	5.549	56	2304	1.268	ug/l #	4
36) 1,1-Dichloropropene	5.549	75	9308	5.528	ug/l #	50
38) Carbon Tetrachloride	5.549	117	12487	6.619	ug/l #	15
40) Benzene	6.043	78	2518	0.513	ug/l	97
46) Dibromomethane	7.586	93	296	0.309	ug/l	94
51) 4-Methyl-2-Pentanone	8.579	43	547	0.338	ug/l #	72
52) Toluene	8.720	92	809	0.255	ug/l	94
59) 2-Hexanone	9.445	43	684	0.573	ug/l	84
68) m/p-Xylenes	10.299	106	1322	0.561	ug/l	99
69) o-Xylene	10.646	106	847	0.364	ug/l	98
74) N-amyl acetate	10.884	43	1172	0.591	ug/l #	56
76) 1,2,3-Trichloropropane	11.079	75	36834	22.583	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36834	70.249	ug/l #	6
95) Naphthalene	13.780	128	2874	0.537	ug/l	95

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

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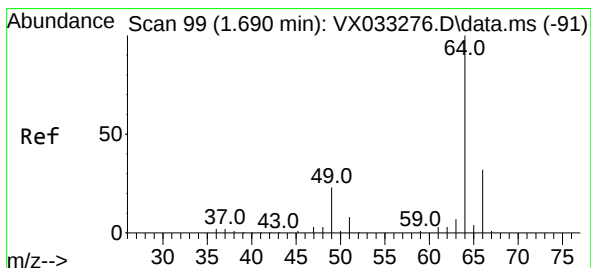
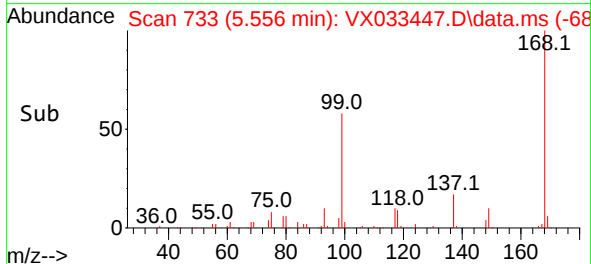
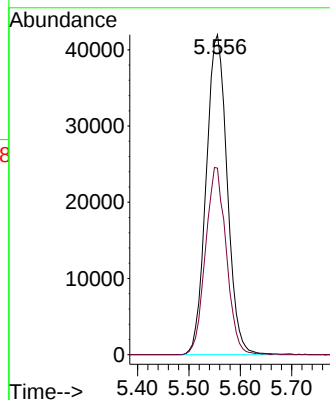
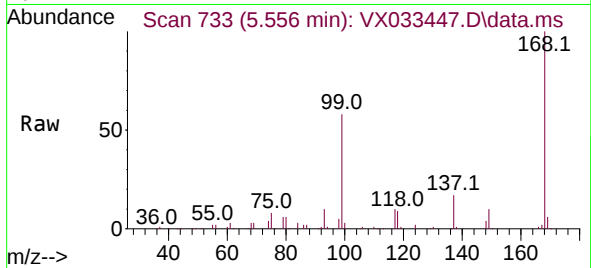




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

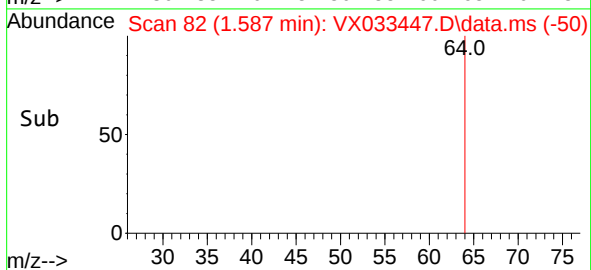
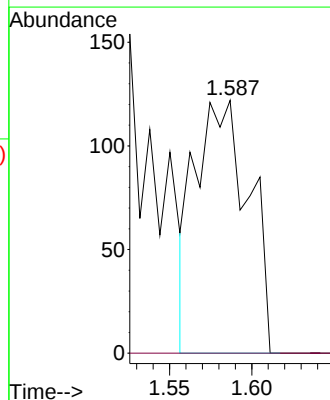
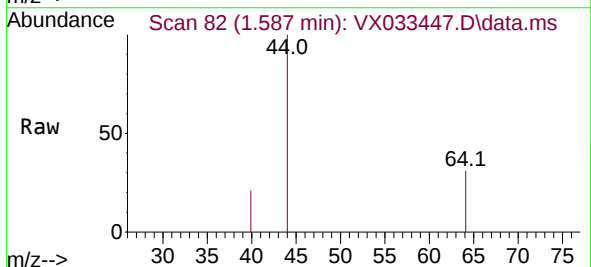
Instrument :
MSVOA_X
ClientSampleId :
WC-LIQUID-20221214

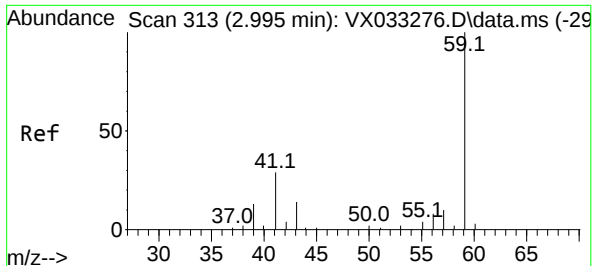
Tgt Ion:168 Resp: 119199
Ion Ratio Lower Upper
168 100
99 58.3 46.1 69.1



#6
Chloroethane
Concen: 0.333 ug/l
RT: 1.587 min Scan# 82
Delta R.T. -0.104 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

Tgt Ion: 64 Resp: 278
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#





#11

Tert butyl alcohol

Concen: 0.205 ug/l

RT: 3.032 min Scan# 31

Delta R.T. 0.037 min

Lab File: VX033447.D

Acq: 15 Dec 2022 17:08

Instrument :

MSVOA_X

ClientSampleId :

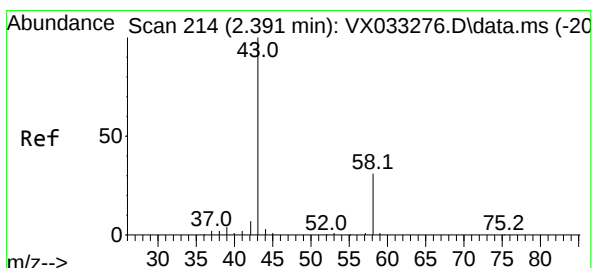
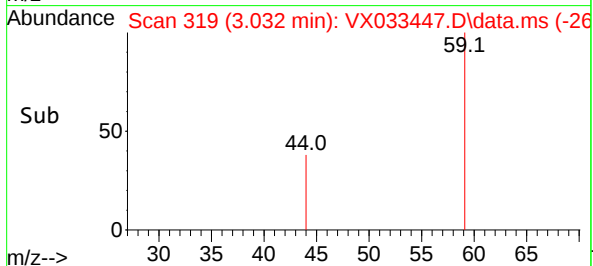
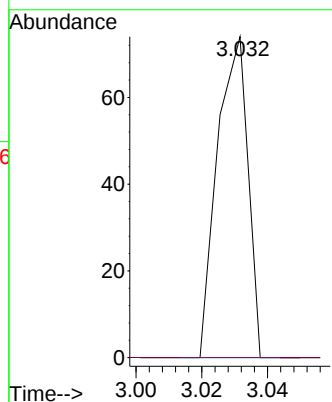
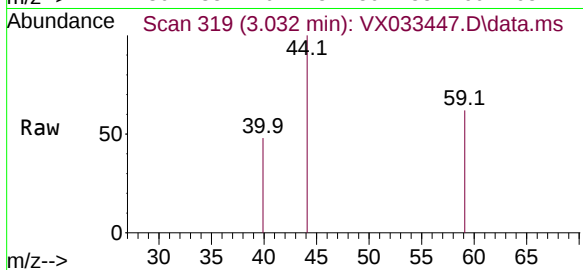
WC-LIQUID-20221214

Tgt Ion: 59 Resp: 48

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 15.375 ug/l

RT: 2.410 min Scan# 217

Delta R.T. 0.018 min

Lab File: VX033447.D

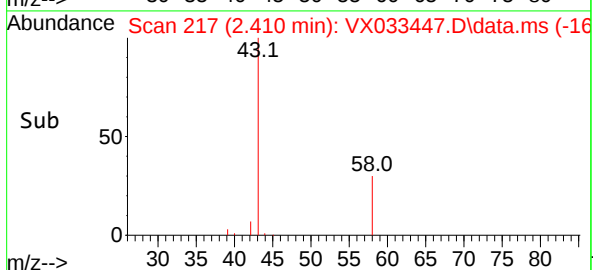
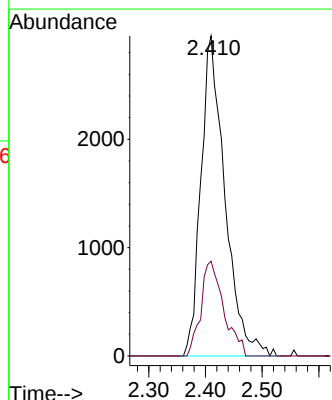
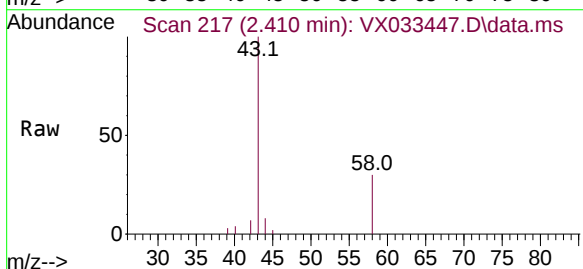
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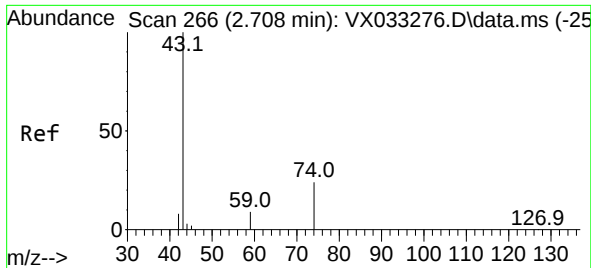
Tgt Ion: 43 Resp: 8700

Ion Ratio Lower Upper

43 100

58 29.6 23.8 35.8

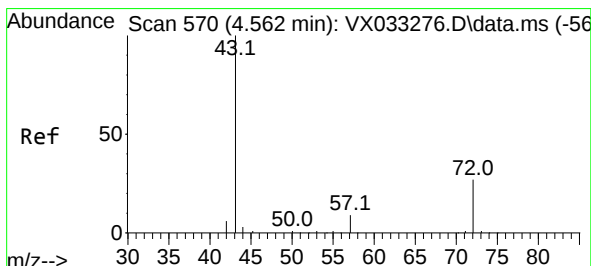
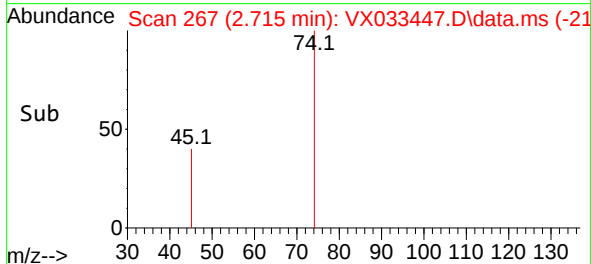
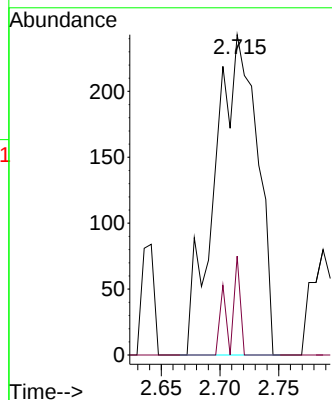
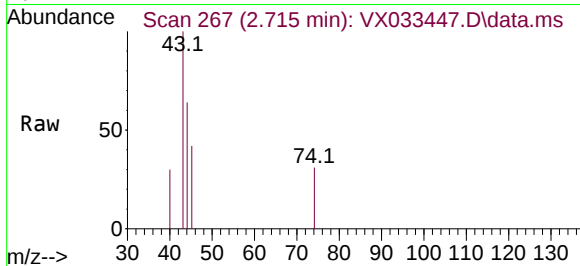




#18
Methyl Acetate
Concen: 0.373 ug/l
RT: 2.715 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

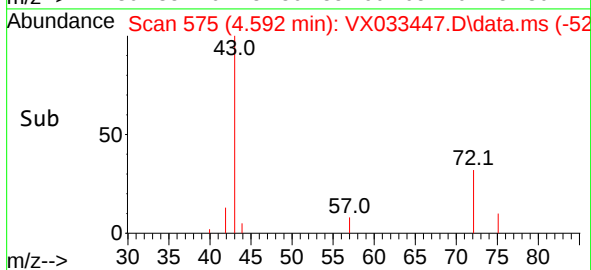
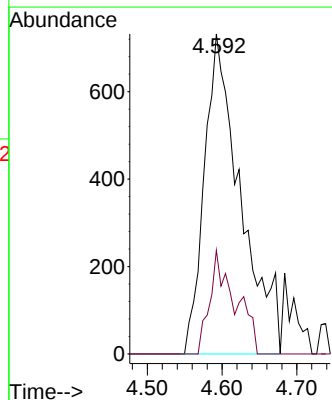
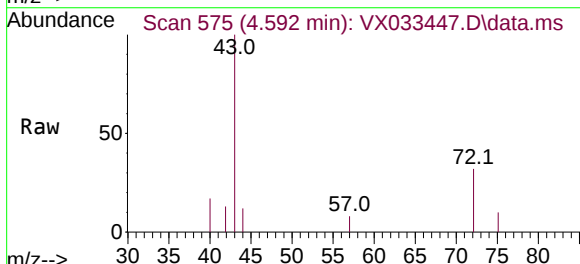
Instrument :
MSVOA_X
ClientSampleId :
WC-LIQUID-20221214

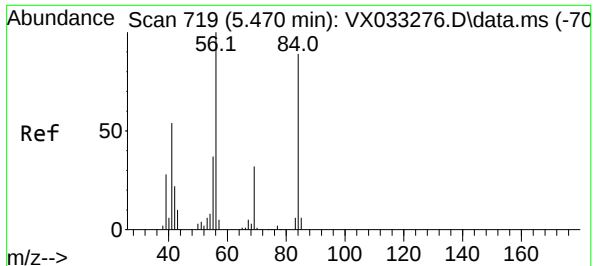
Tgt Ion: 43 Resp: 611
Ion Ratio Lower Upper
43 100
74 3.1 19.4 29.0#



#25
2-Butanone
Concen: 3.026 ug/l
RT: 4.592 min Scan# 575
Delta R.T. 0.031 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

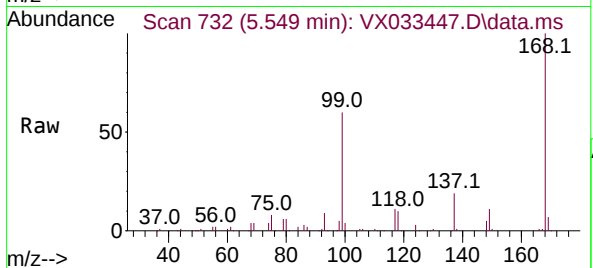
Tgt Ion: 43 Resp: 2458
Ion Ratio Lower Upper
43 100
72 32.4 22.2 33.2



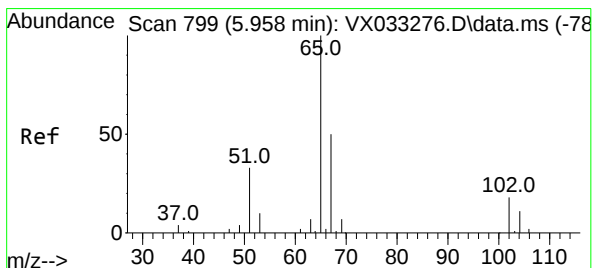
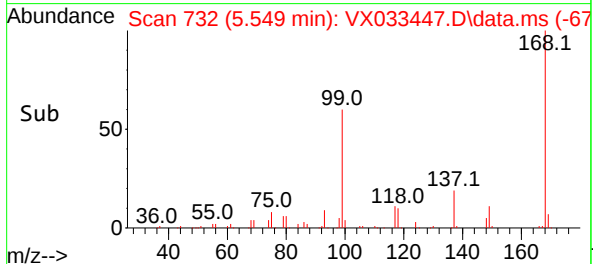
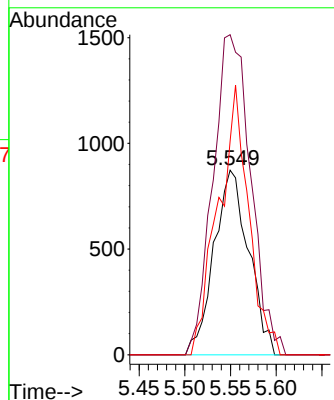


#31
Cyclohexane
Concen: 1.268 ug/l
RT: 5.549 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

Instrument :
MSVOA_X
ClientSampleId :
WC-LIQUID-20221214

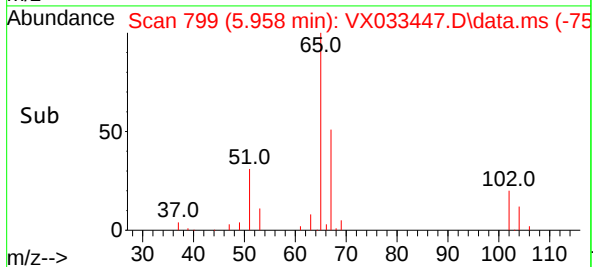
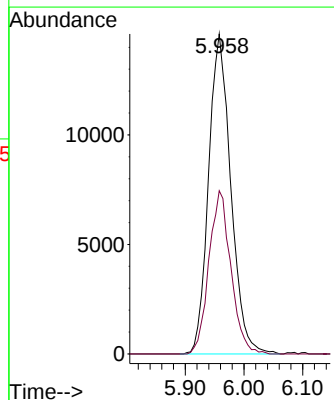
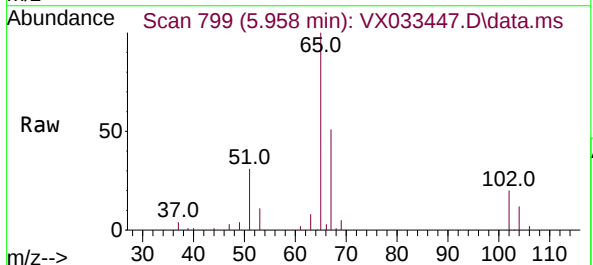


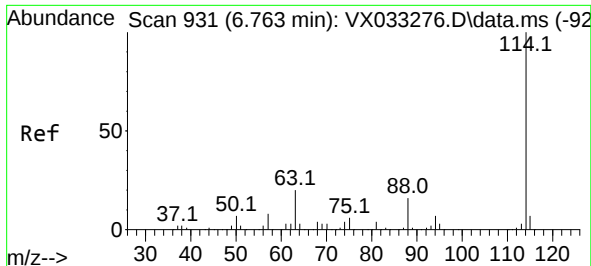
Tgt Ion: 56 Resp: 2304
Ion Ratio Lower Upper
56 100
69 173.4 24.1 36.1#
84 115.8 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 50.255 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

Tgt Ion: 65 Resp: 38430
Ion Ratio Lower Upper
65 100
67 50.3 0.0 101.8

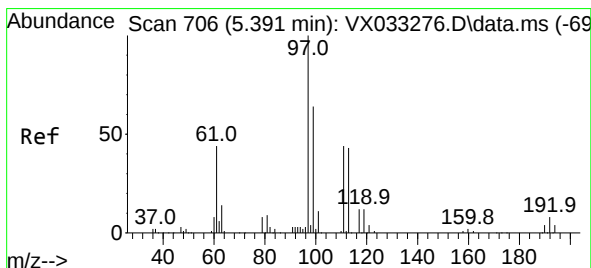
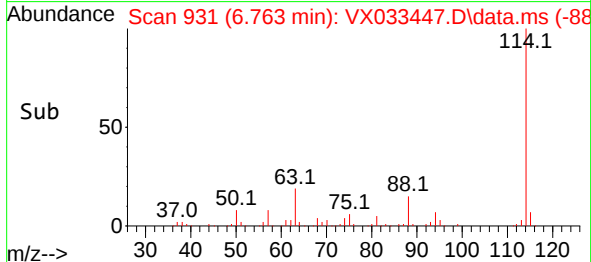
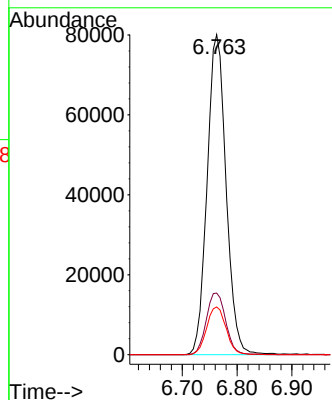
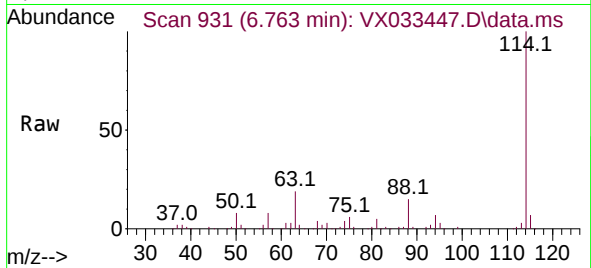




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

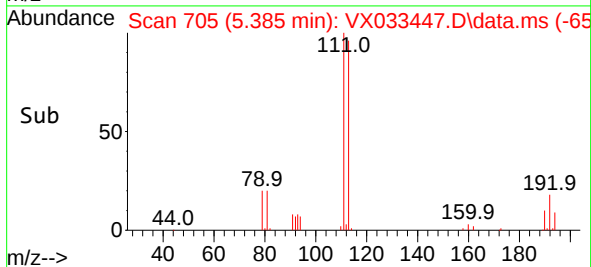
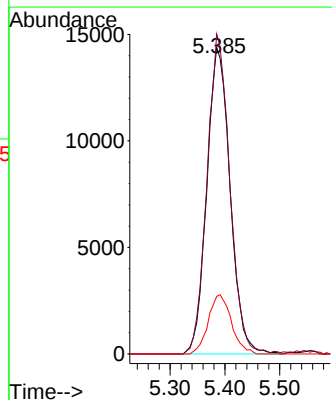
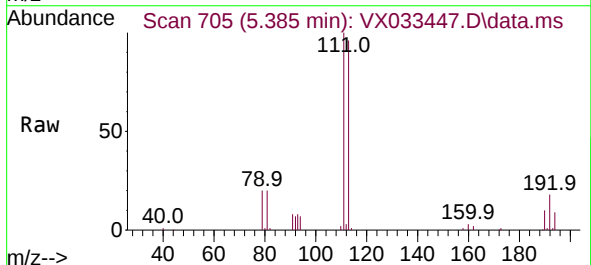
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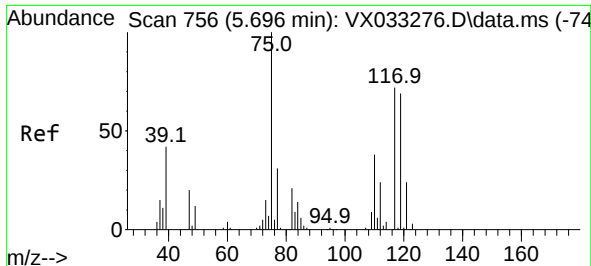
Tgt Ion:114 Resp: 192014
Ion Ratio Lower Upper
114 100
63 19.3 0.0 41.6
88 14.9 0.0 33.4



#35
Dibromofluoromethane
Concen: 49.104 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

Tgt Ion:113 Resp: 42408
Ion Ratio Lower Upper
113 100
111 102.2 82.4 123.6
192 19.2 15.4 23.2

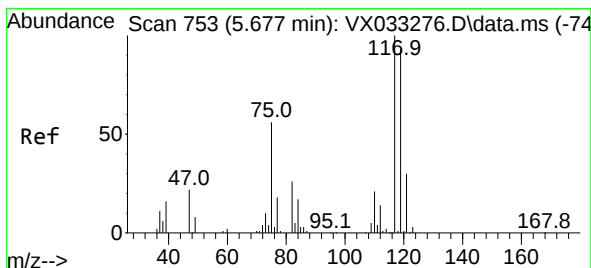
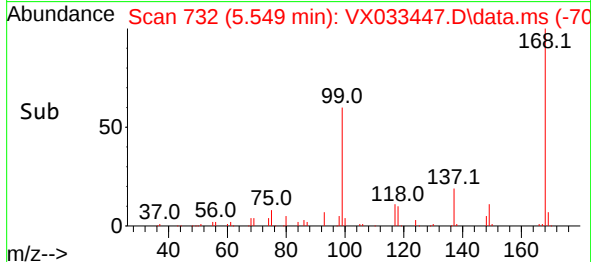
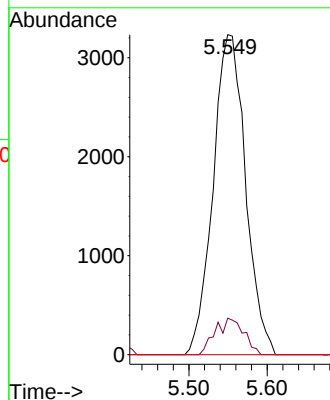
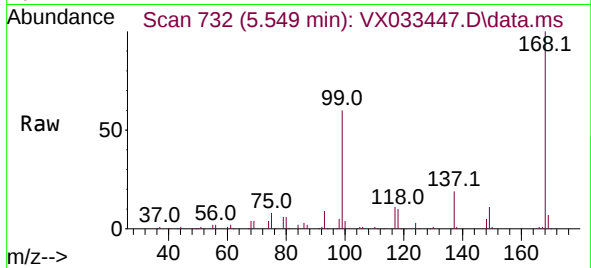




#36
1,1-Dichloropropene
Concen: 5.528 ug/l
RT: 5.549 min Scan# 712
Delta R.T. -0.146 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

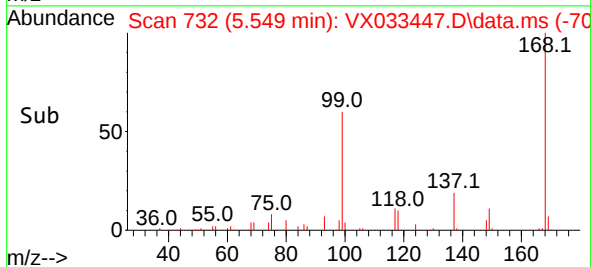
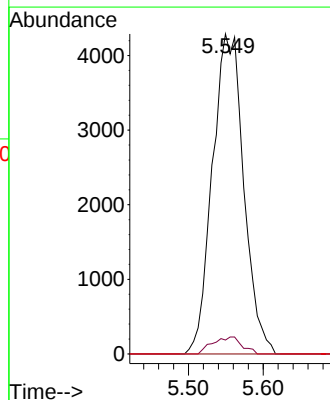
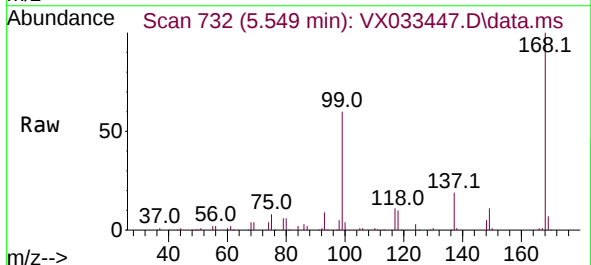
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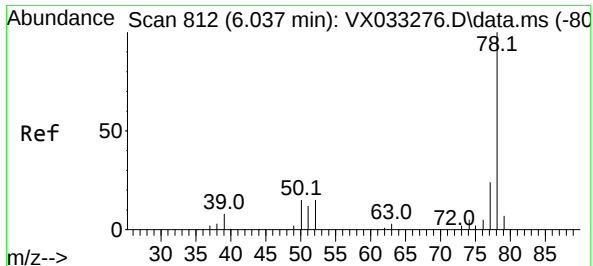
Tgt Ion: 75 Resp: 9308
Ion Ratio Lower Upper
75 100
110 10.1 18.4 55.2#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.619 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

Tgt Ion: 117 Resp: 12487
Ion Ratio Lower Upper
117 100
119 4.4 77.2 115.8#
121 0.0 25.8 38.6#





#40

Benzene

Concen: 0.513 ug/l

RT: 6.043 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX033447.D

Acq: 15 Dec 2022 17:08

Instrument :

MSVOA_X

ClientSampleId :

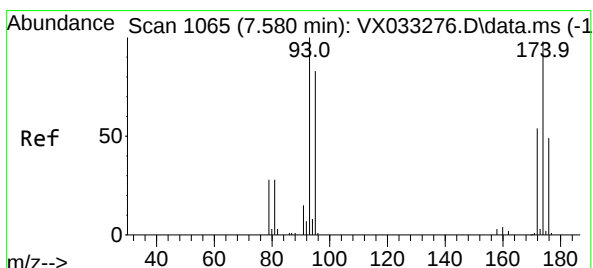
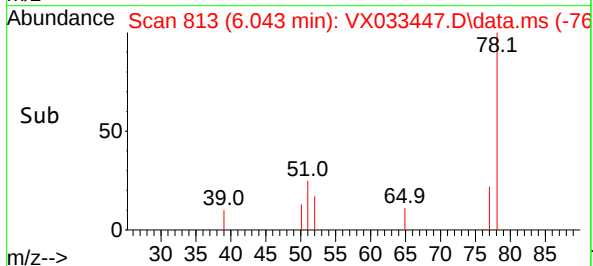
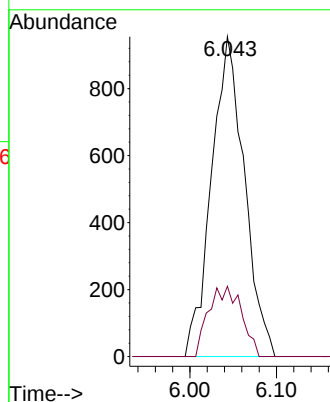
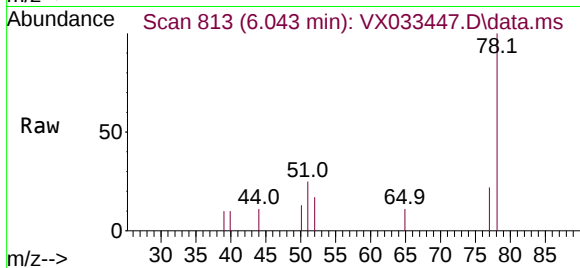
WC-LIQUID-20221214

Tgt Ion: 78 Resp: 2518

Ion Ratio Lower Upper

78 100

77 22.0 19.0 28.4



#46

Dibromomethane

Concen: 0.309 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VX033447.D

Acq: 15 Dec 2022 17:08

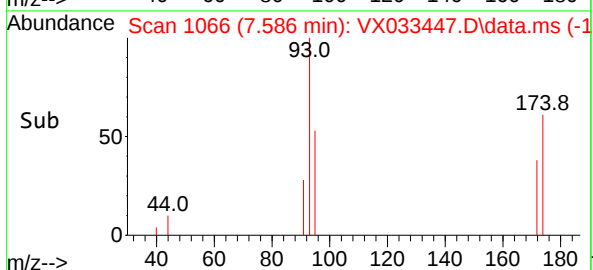
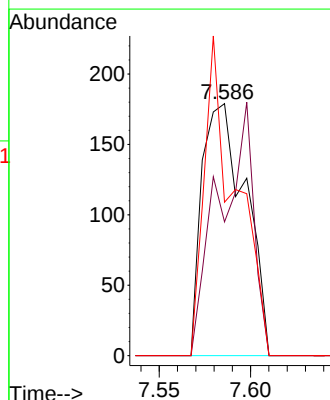
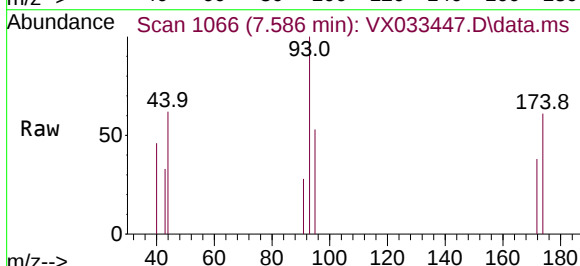
Tgt Ion: 93 Resp: 296

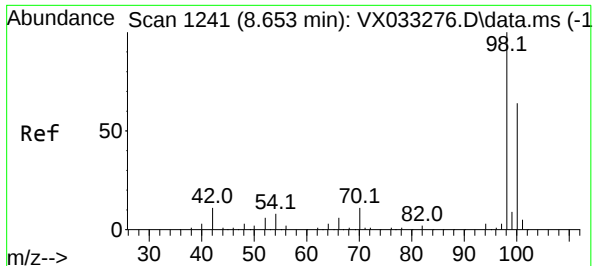
Ion Ratio Lower Upper

93 100

95 78.7 65.8 98.8

174 91.2 79.8 119.6

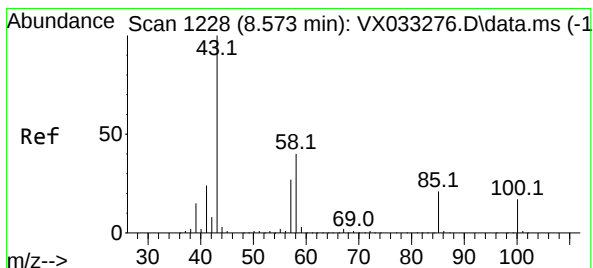
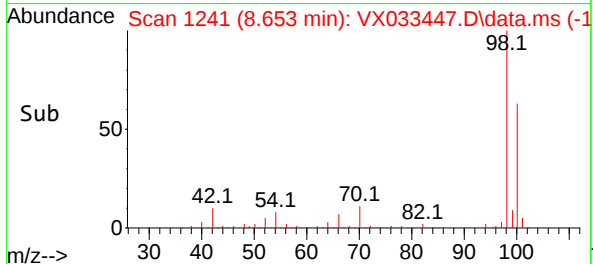
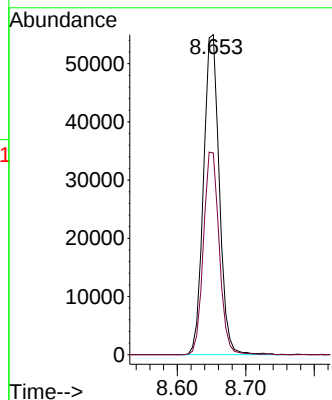
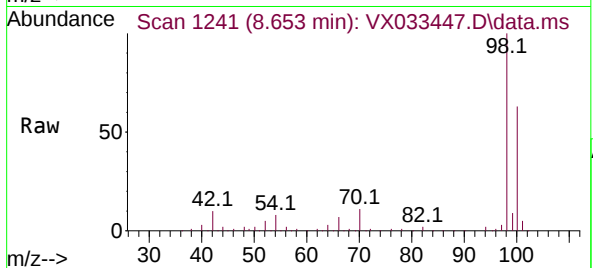




#50
Toluene-d8
Concen: 48.888 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

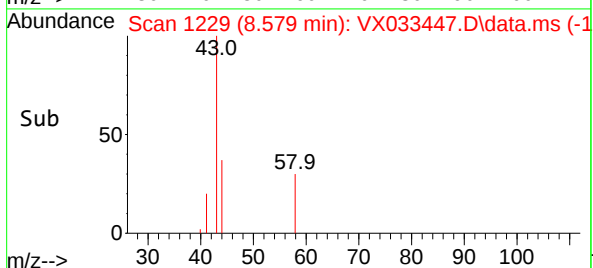
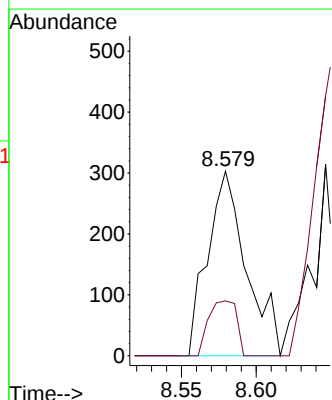
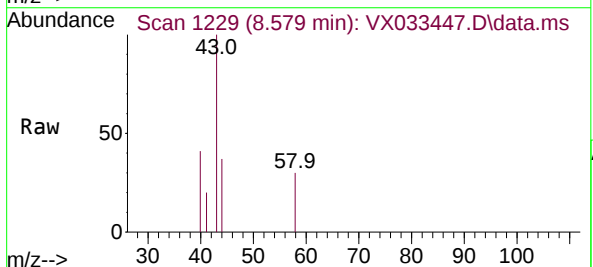
Instrument :
MSVOA_X
ClientSampleId :
WC-LIQUID-20221214

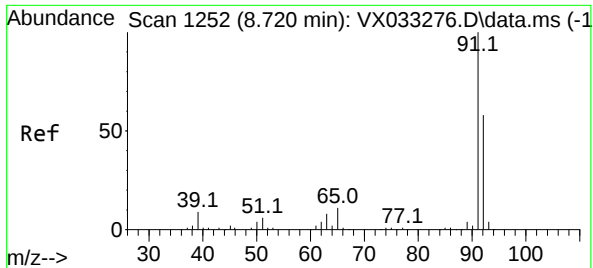
Tgt Ion: 98 Resp: 88326
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.338 ug/l
RT: 8.579 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

Tgt Ion: 43 Resp: 547
Ion Ratio Lower Upper
43 100
58 21.4 30.9 46.3#

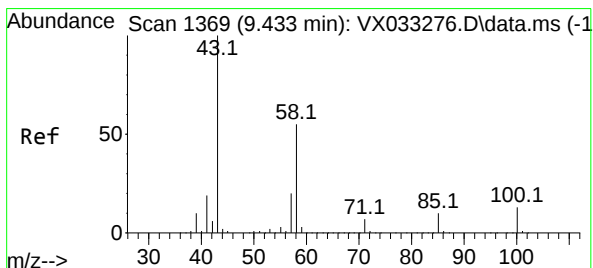
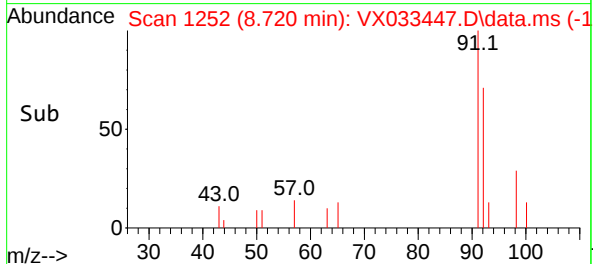
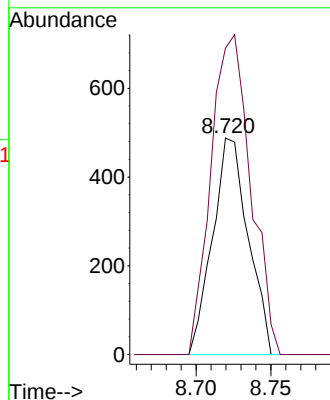
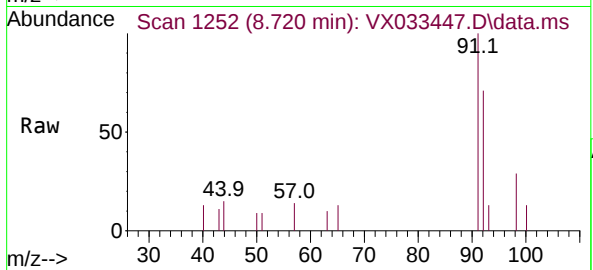




#52
Toluene
Concen: 0.255 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

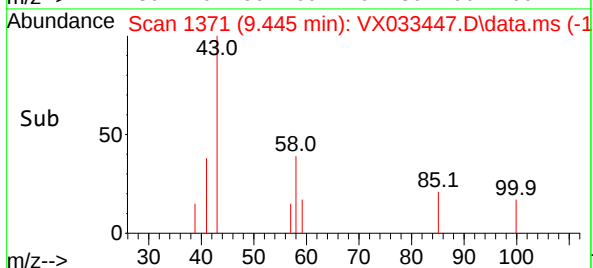
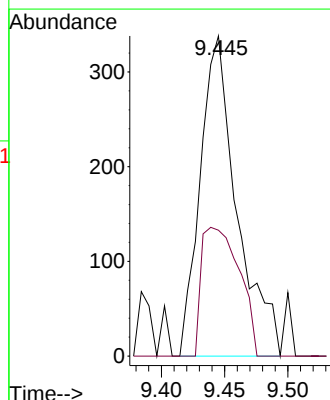
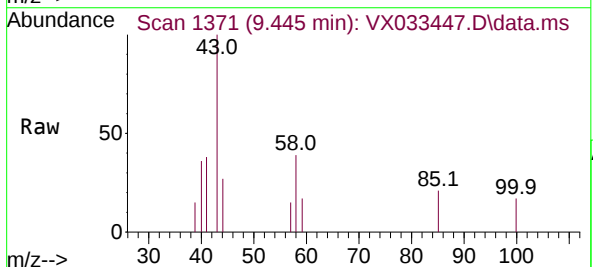
Instrument :
MSVOA_X
ClientSampleId :
WC-LIQUID-20221214

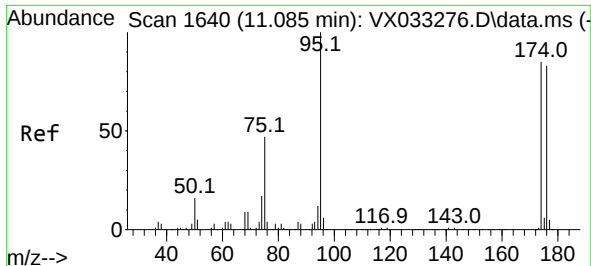
Tgt Ion: 92 Resp: 809
Ion Ratio Lower Upper
92 100
91 165.3 138.3 207.5



#59
2-Hexanone
Concen: 0.573 ug/l
RT: 9.445 min Scan# 1371
Delta R.T. 0.012 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

Tgt Ion: 43 Resp: 684
Ion Ratio Lower Upper
43 100
58 41.4 26.5 79.5

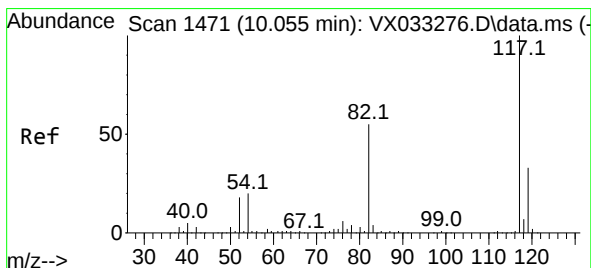
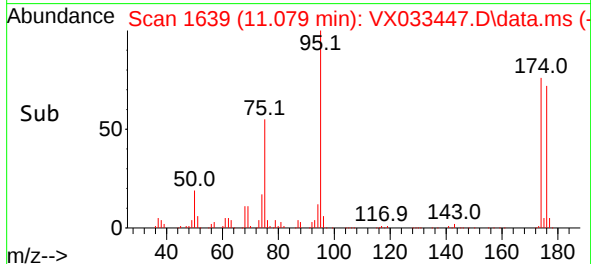
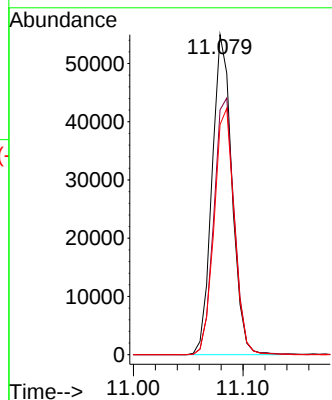
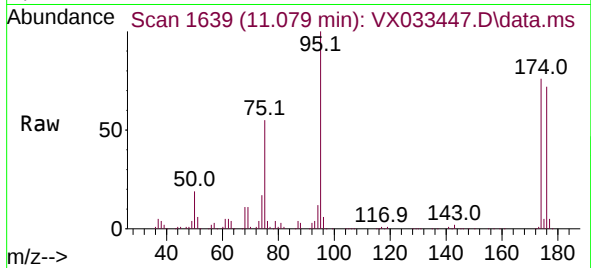




#62
4-Bromofluorobenzene
Concen: 50.232 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

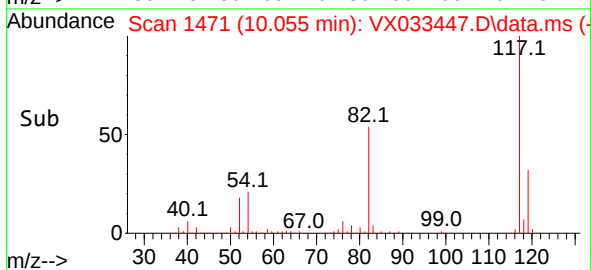
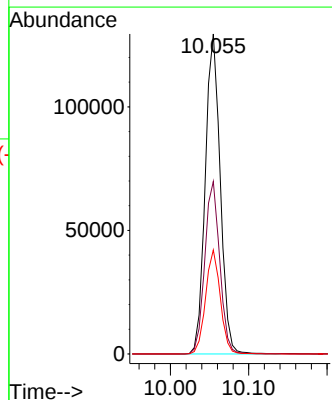
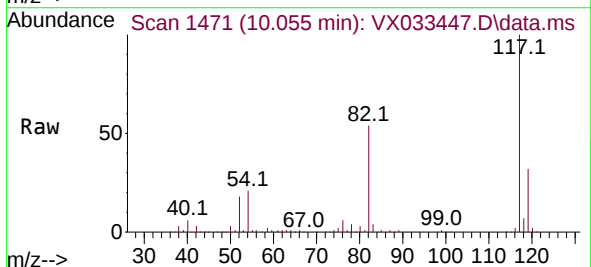
Instrument :
MSVOA_X
ClientSampleId :
WC-LIQUID-20221214

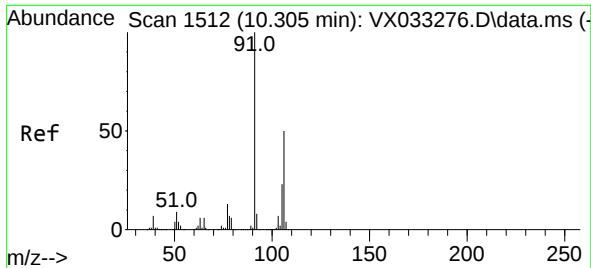
Tgt Ion: 95 Resp: 69392
Ion Ratio Lower Upper
95 100
174 82.4 0.0 164.0
176 78.4 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

Tgt Ion: 117 Resp: 171634
Ion Ratio Lower Upper
117 100
82 53.9 44.3 66.5
119 32.5 25.7 38.5

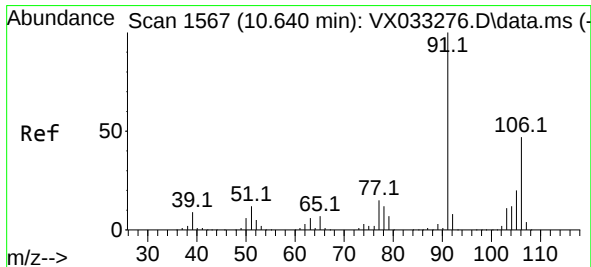
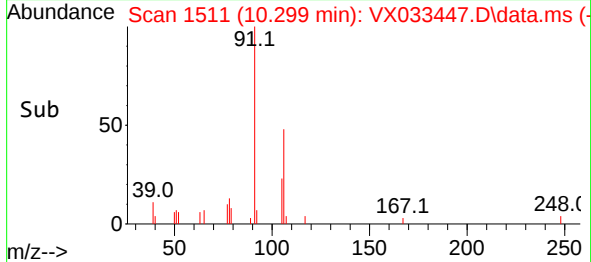
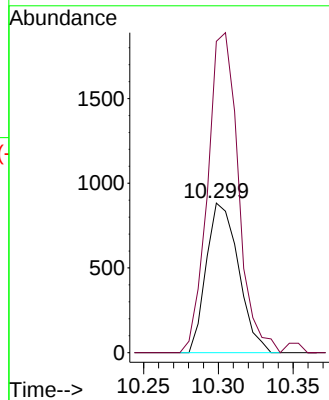
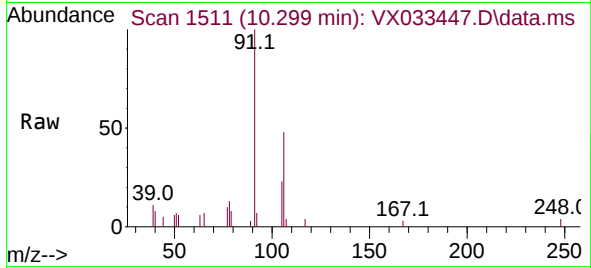




#68
m/p-Xylenes
Concen: 0.561 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

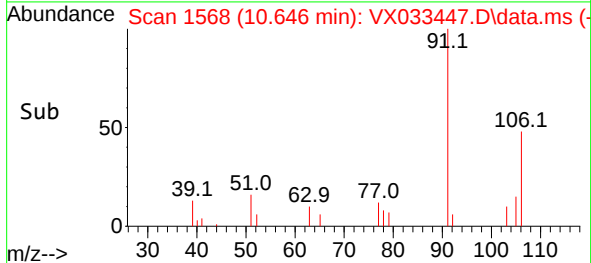
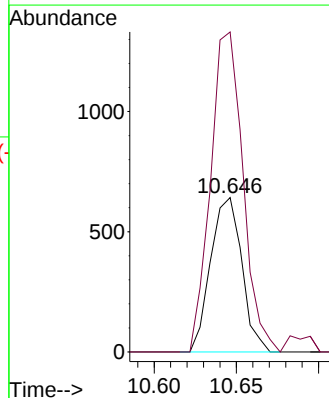
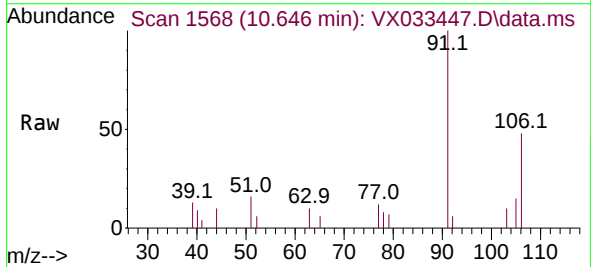
Instrument :
MSVOA_X
ClientSampleId :
WC-LIQUID-20221214

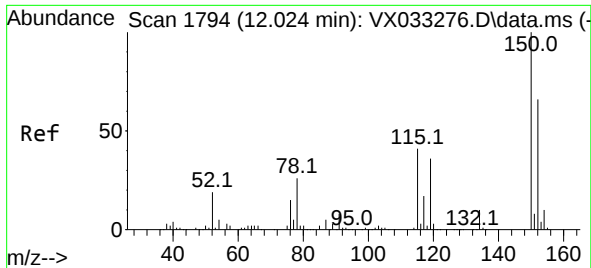
Tgt Ion:106 Resp: 1322
Ion Ratio Lower Upper
106 100
91 204.6 164.5 246.7



#69
o-Xylene
Concen: 0.364 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

Tgt Ion:106 Resp: 847
Ion Ratio Lower Upper
106 100
91 215.6 109.2 327.6

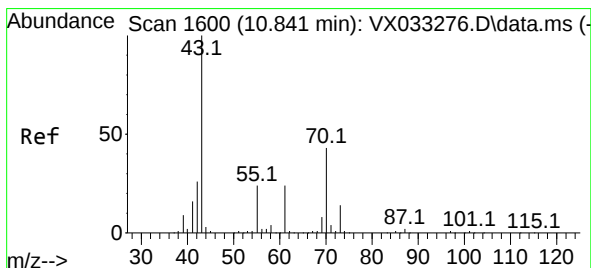
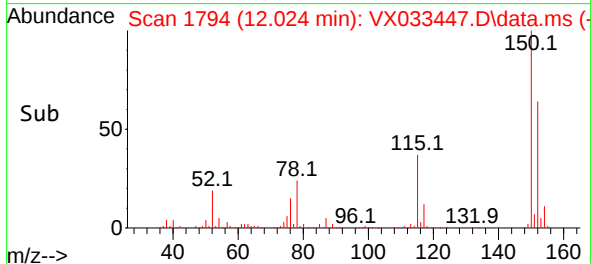
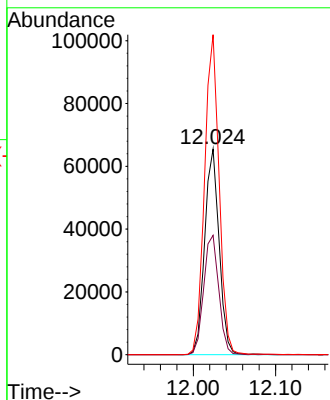
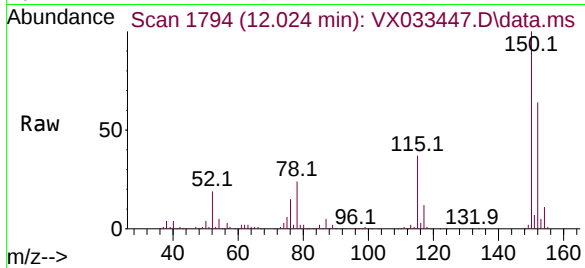




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

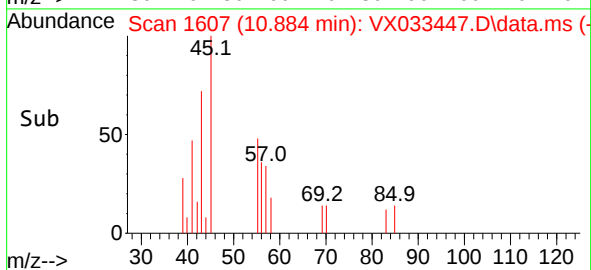
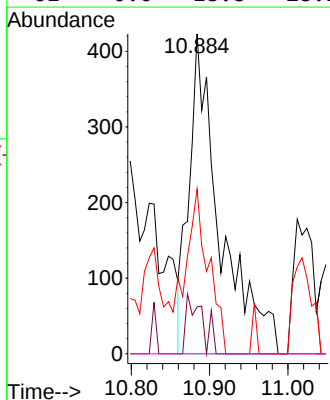
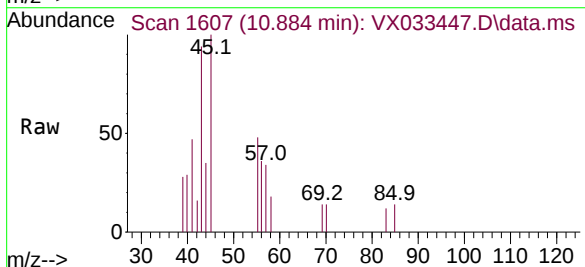
Instrument :
MSVOA_X
ClientSampleId :
WC-LIQUID-20221214

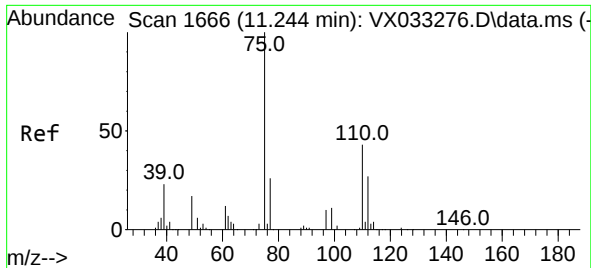
Tgt Ion:152 Resp: 80169
Ion Ratio Lower Upper
152 100
115 60.4 44.0 132.0
150 156.2 0.0 351.8



#74
N-ethyl acetate
Concen: 0.591 ug/l
RT: 10.884 min Scan# 1607
Delta R.T. 0.043 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

Tgt Ion: 43 Resp: 1172
Ion Ratio Lower Upper
43 100
70 9.7 33.6 50.4#
55 37.4 19.4 29.2#
61 0.0 18.8 28.2#

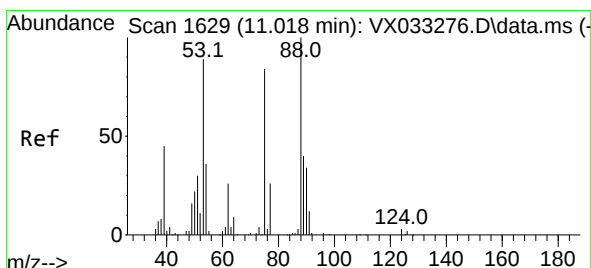
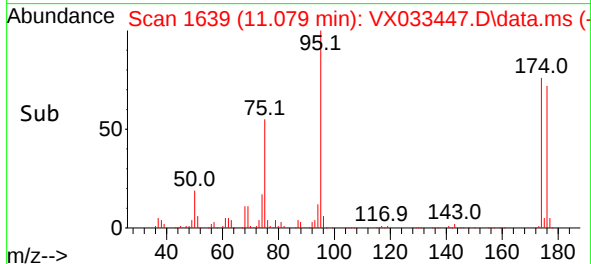
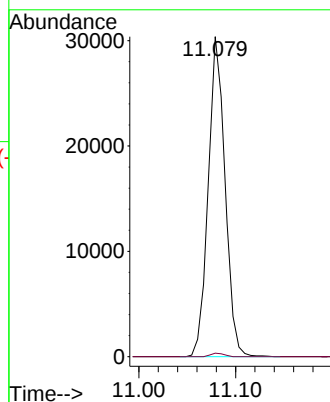
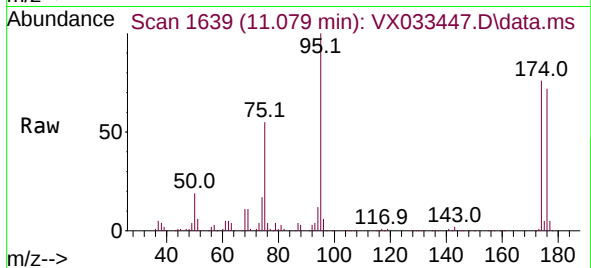




#76
1,2,3-Trichloropropane
Concen: 22.583 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

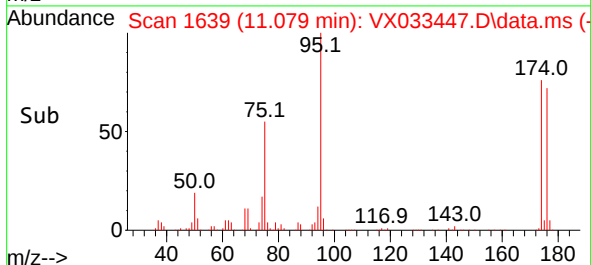
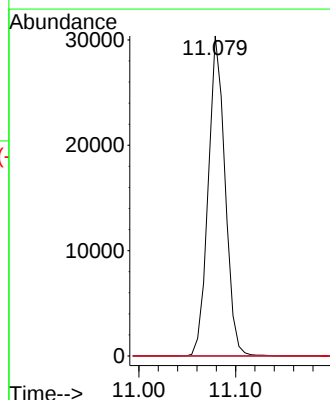
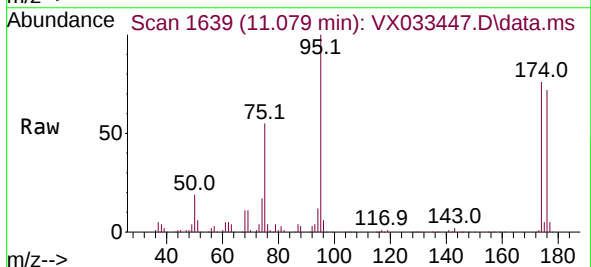
Instrument :
MSVOA_X
ClientSampleId :
WC-LIQUID-20221214

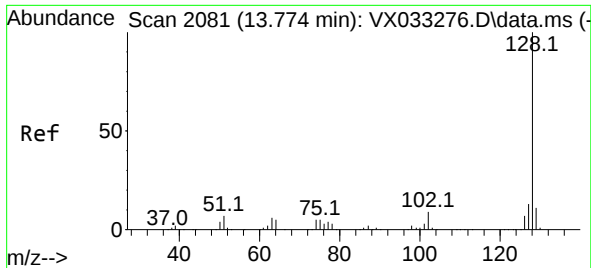
Tgt Ion: 75 Resp: 36834
Ion Ratio Lower Upper
75 100
77 0.9 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.249 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

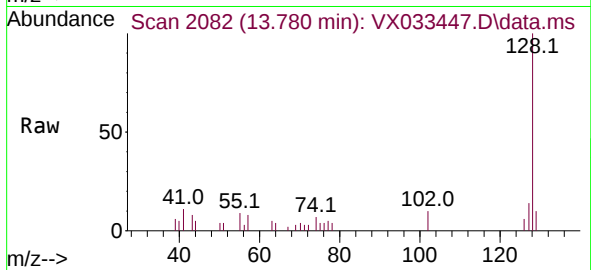
Tgt Ion: 75 Resp: 36834
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#





#95
Naphthalene
Concen: 0.537 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX033447.D
Acq: 15 Dec 2022 17:08

Instrument :
MSVOA_X
ClientSampleId :
WC-LIQUID-20221214



Tgt Ion:128 Resp: 2874
Ion Ratio Lower Upper
128 100
127 14.6 10.2 15.4
129 9.2 8.9 13.3

