

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050123\
 Data File : VW030962.D
 Acq On : 01 May 2023 17:52
 Operator : SY/MD
 Sample : 02528-06MS 250X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 HOA37MS

Quant Time: May 02 01:34:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 29 01:06:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	132909	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	130411	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	79997	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	46833	4.277	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.600%
7) Chloroethane-d5	1.539	69	37415	4.188	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.800%
11) 1,1-Dichloroethene-d2	2.063	65	24708	4.264	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.200%
20) 2-Butanone-d5	3.825	46	98576	50.765	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.520%
24) Chloroform-d	4.262	84	96061	4.414	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
26) 1,2-Dichloroethane-d4	4.953	65	50620	4.575	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
32) Benzene-d6	4.973	84	167164	4.373	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
36) 1,2-Dichloropropane-d6	5.998	67	46381	4.173	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.400%
41) Toluene-d8	7.249	98	165858	4.556	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	7.561	79	19953	4.789	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.800%
46) 2-Hexanone-d5	8.037	63	73010	50.013	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.020%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	38892	4.827	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.600%
66) 1,2-Dichlorobenzene-d4	11.571	152	62853	4.215	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	48837	4.651	ug/L	100
3) Chloromethane	1.217	50	52170	4.234	ug/L	98
5) Vinyl chloride	1.285	62	47525	4.608	ug/L	100
6) Bromomethane	1.494	94	21809	4.440	ug/L	100
8) Chloroethane	1.555	64	28339	4.515	ug/L	96
9) Trichlorofluoromethane	1.719	101	92177	4.845	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	47483	4.889	ug/L	99
12) 1,1-Dichloroethene	2.076	96	47857	5.350	ug/L	88
13) Acetone	2.159	43	75824	45.713	ug/L	82
14) Carbon disulfide	2.246	76	95046	4.061	ug/L	97
15) Methyl Acetate	2.394	43	15571	4.614	ug/L #	92
16) Methylene chloride	2.455	84	42759	4.226	ug/L	94
17) Methyl tert-butyl Ether	2.712	73	91696	5.385	ug/L	97
18) trans-1,2-Dichloroethene	2.703	96	38356	4.695	ug/L	92
19) 1,1-Dichloroethane	3.118	63	77653	4.922	ug/L	97
21) 2-Butanone	3.912	43	88408	48.464	ug/L	85
22) cis-1,2-Dichloroethene	3.828	96	41338	4.795	ug/L	99
23) Bromochloromethane	4.159	128	21015	5.178	ug/L	91
25) Chloroform	4.288	83	88530	5.230	ug/L	99

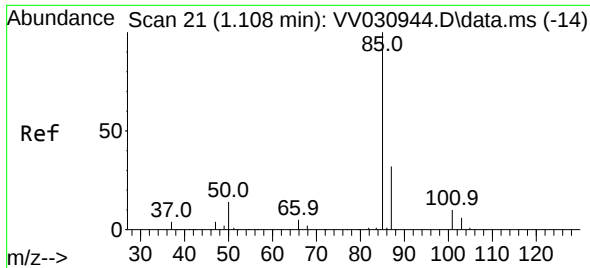
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	56660	5.334	ug/L	98
29) 1,1,1-Trichloroethane	4.523	97	83153	5.074	ug/L	99
30) Cyclohexane	4.593	56	54125	4.373	ug/L	98
31) Carbon tetrachloride	4.744	117	73575	4.998	ug/L	98
33) Benzene	5.021	78	163922	4.997	ug/L	100
34) Trichloroethene	5.841	95	57807	6.611	ug/L	98
35) Methylcyclohexane	6.056	83	59707	4.406	ug/L	99
37) 1,2-Dichloropropane	6.101	63	38967	5.008	ug/L #	95
38) Bromodichloromethane	6.439	83	58308	5.120	ug/L	99
39) cis-1,3-Dichloropropene	6.963	75	58313	5.004	ug/L	97
40) 4-Methyl-2-pentanone	7.169	43	240984	59.776	ug/L	98
42) Toluene	7.323	91	184755	5.231	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	52076	5.245	ug/L	98
45) 1,1,2-Trichloroethane	7.776	97	31155	5.396	ug/L	96
47) Tetrachloroethene	7.912	164	160920	19.290	ug/L	97
48) 2-Hexanone	8.085	43	180343	58.324	ug/L	97
49) Dibromochloromethane	8.185	129	39835	5.485	ug/L	96
50) 1,2-Dibromoethane	8.291	107	28632	5.560	ug/L	98
51) Chlorobenzene	8.821	112	118781	4.961	ug/L	99
52) Ethylbenzene	8.953	91	189930	4.933	ug/L	97
53) m,p-Xylene	9.079	106	75013	4.882	ug/L	100
54) o-Xylene	9.487	106	71866	4.914	ug/L	99
55) Styrene	9.503	104	129722	5.257	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	37060	5.743	ug/L	99
59) Bromoform	9.674	173	24402	5.182	ug/L	98
60) Isopropylbenzene	9.873	105	198196	4.595	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	26040	5.182	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	159818	4.552	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	156813	4.408	ug/L	96
64) 1,3-Dichlorobenzene	11.124	146	107659	4.860	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	107978	4.832	ug/L	96
67) 1,2-Dichlorobenzene	11.587	146	98352	4.938	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.374	75	6060	4.751	ug/L #	80
69) 1,3,5-Trichlorobenzene	12.590	180	83758	4.776	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	64629	4.795	ug/L	98
71) Naphthalene	13.448	128	86863	4.495	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	56737	4.973	ug/L	97

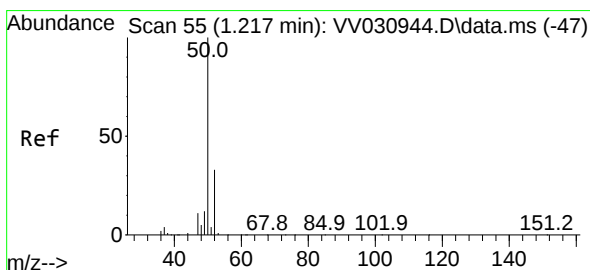
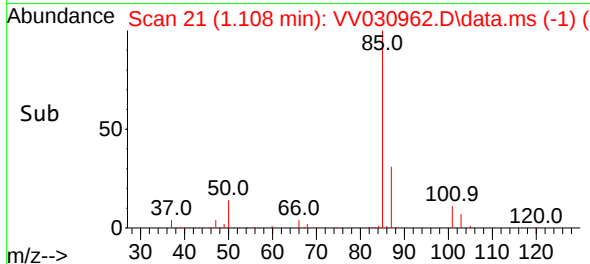
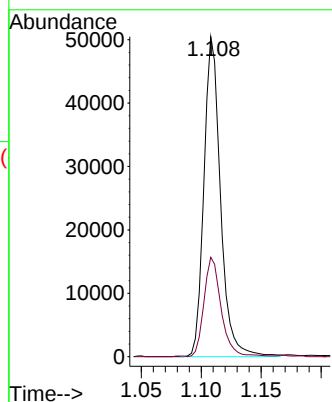
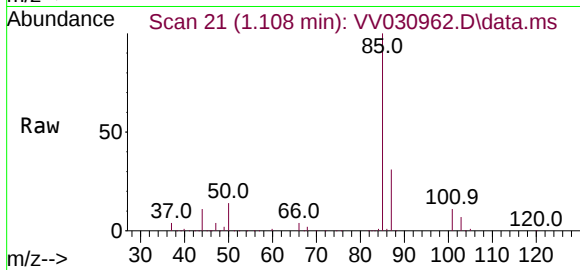
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#2
 Dichlorodifluoromethane
 Concen: 4.651 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030962.D
 Acq: 01 May 2023 17:52

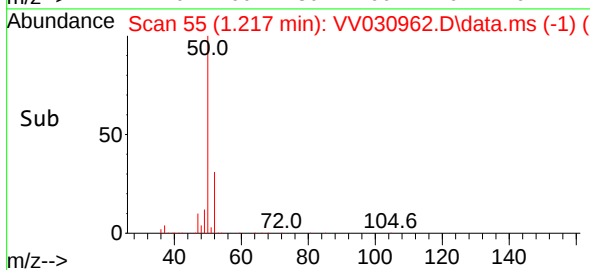
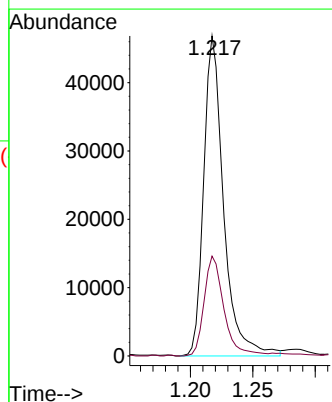
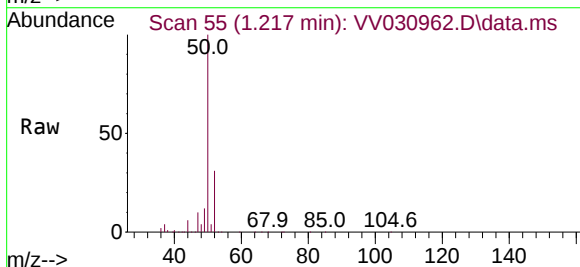
Instrument :
 MSVOA_V
 ClientSampleId :
 HOA37MS

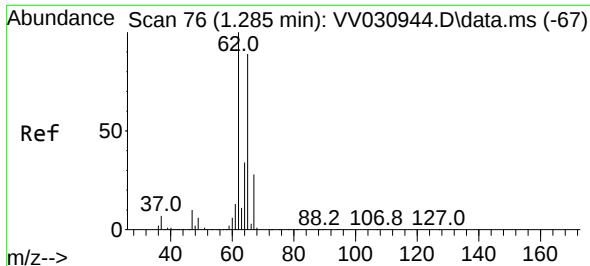
Tgt Ion: 85 Resp: 48837
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.8 38.6



#3
 Chloromethane
 Concen: 4.234 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030962.D
 Acq: 01 May 2023 17:52

Tgt Ion: 50 Resp: 52170
 Ion Ratio Lower Upper
 50 100
 52 31.2 22.8 42.4

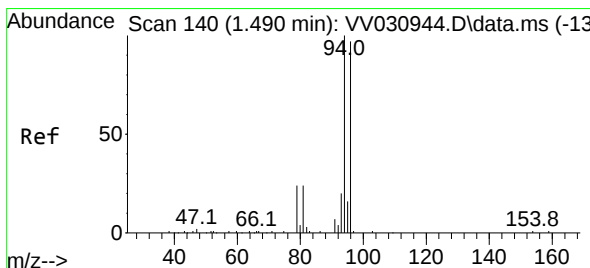
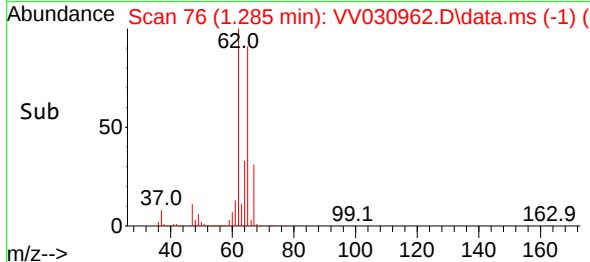
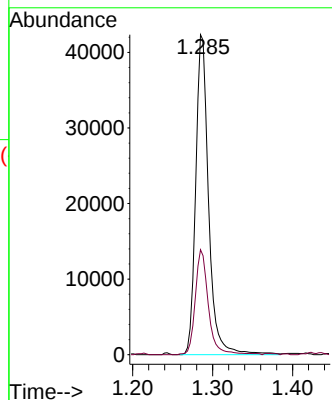
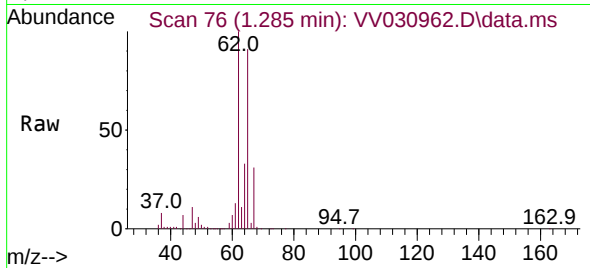




#5
 Vinyl chloride
 Concen: 4.608 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VV030962.D
 Acq: 01 May 2023 17:52

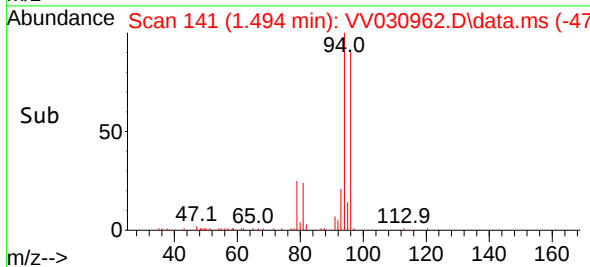
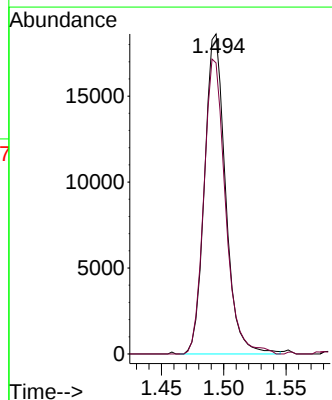
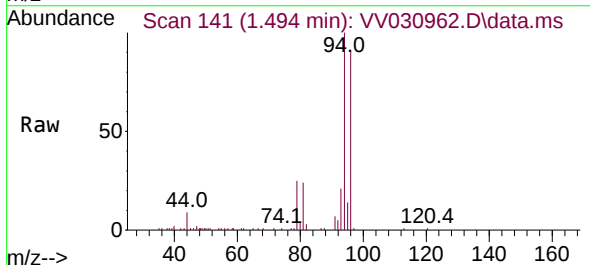
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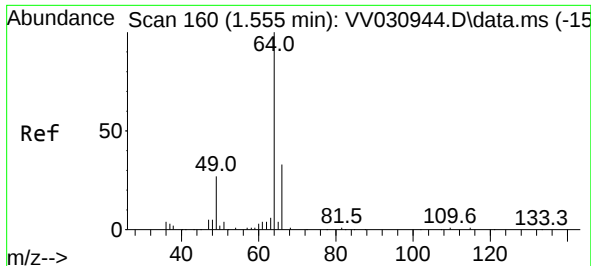
Tgt Ion: 62 Resp: 47525
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.8 42.4



#6
 Bromomethane
 Concen: 4.440 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.003 min
 Lab File: VV030962.D
 Acq: 01 May 2023 17:52

Tgt Ion: 94 Resp: 21809
 Ion Ratio Lower Upper
 94 100
 96 90.9 63.4 117.8

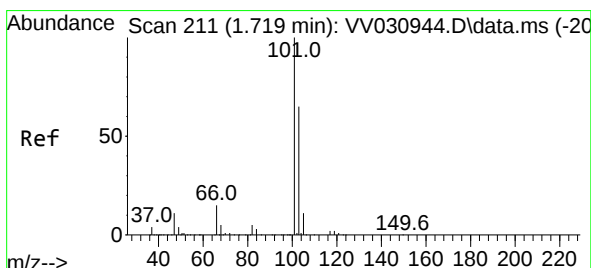
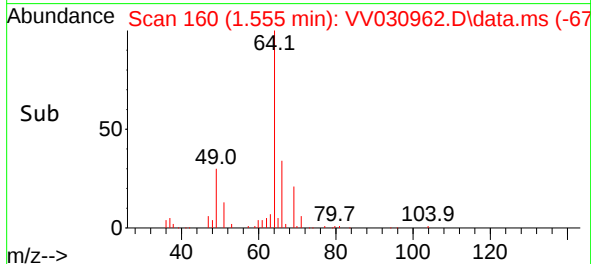
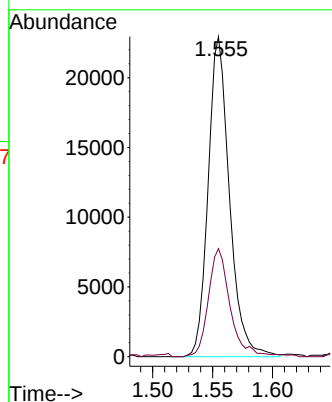
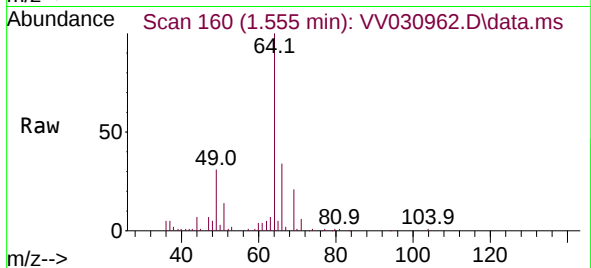




#8
Chloroethane
Concen: 4.515 ug/L
RT: 1.555 min Scan# 160
Delta R.T. 0.000 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

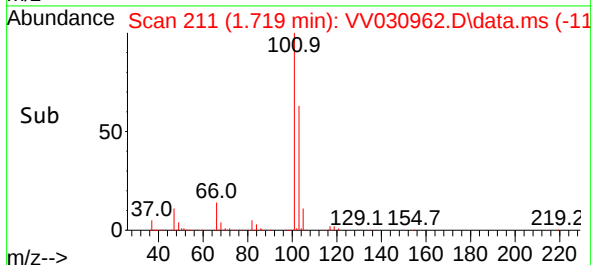
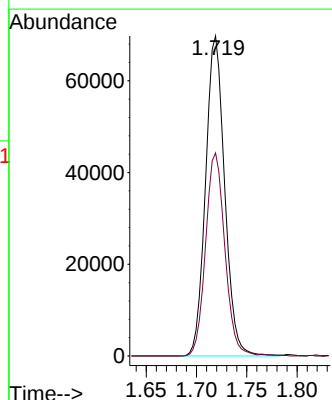
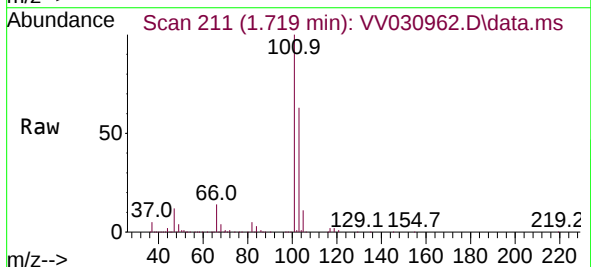
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ClientSampleId :
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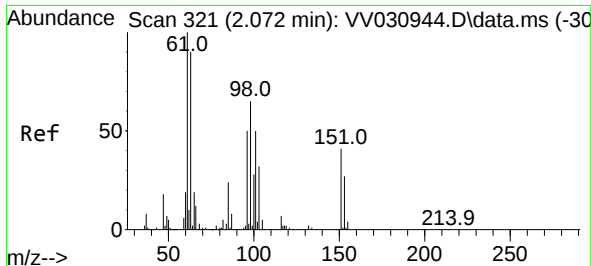
Tgt Ion: 64 Resp: 28339
Ion Ratio Lower Upper
64 100
66 33.8 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.845 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

Tgt Ion:101 Resp: 92177
Ion Ratio Lower Upper
101 100
103 63.8 51.8 77.8

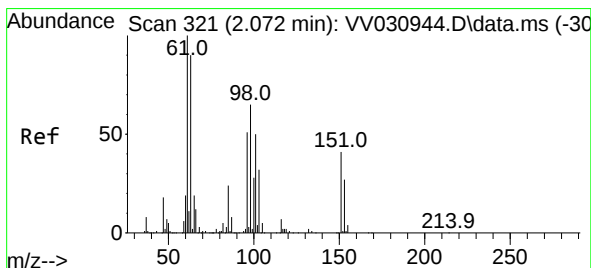
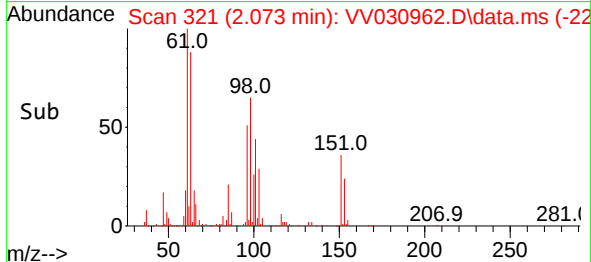
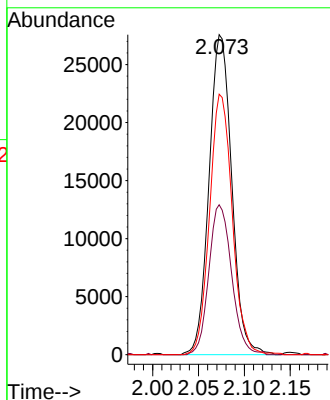
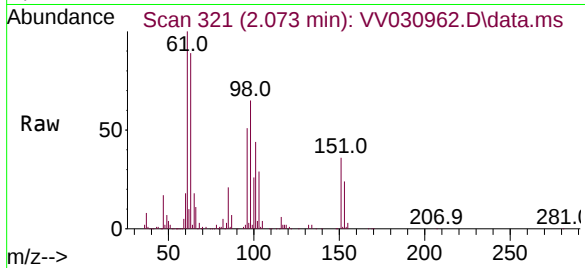




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.889 ug/L
 RT: 2.073 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV030962.D
 Acq: 01 May 2023 17:52

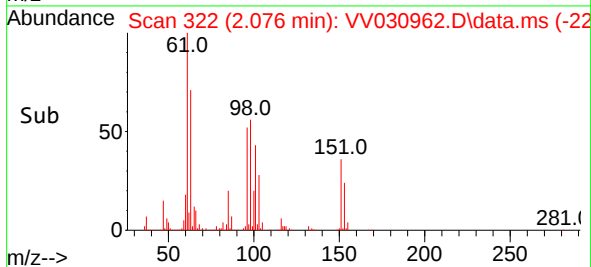
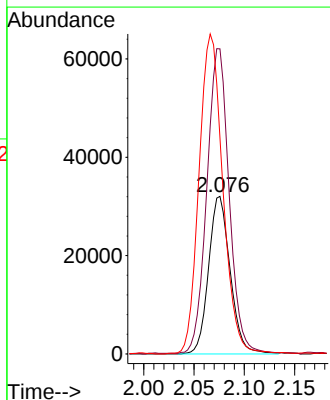
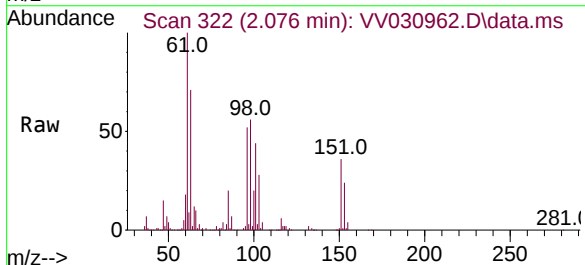
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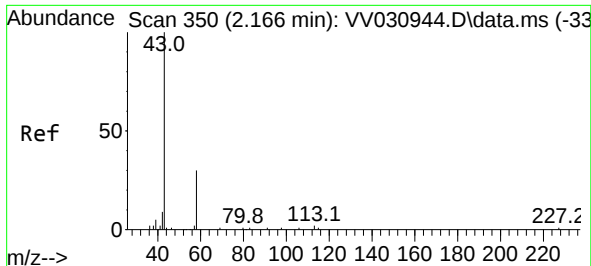
Tgt Ion:101 Resp: 47483
 Ion Ratio Lower Upper
 101 100
 85 46.9 38.7 58.1
 151 81.2 65.1 97.7



#12
 1,1-Dichloroethene
 Concen: 5.350 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.003 min
 Lab File: VV030962.D
 Acq: 01 May 2023 17:52

Tgt Ion: 96 Resp: 47857
 Ion Ratio Lower Upper
 96 100
 61 193.7 135.6 251.8
 63 137.2 121.1 224.9





#13

Acetone

Concen: 45.713 ug/L

RT: 2.159 min Scan# 348

Delta R.T. 0.000 min

Lab File: VV030962.D

Acq: 01 May 2023 17:52

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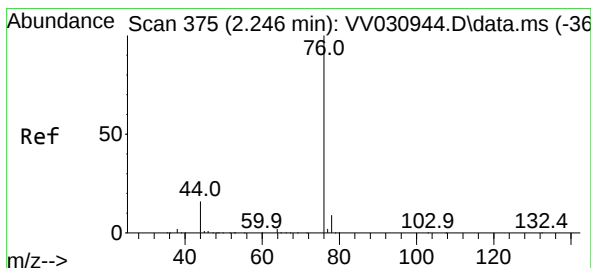
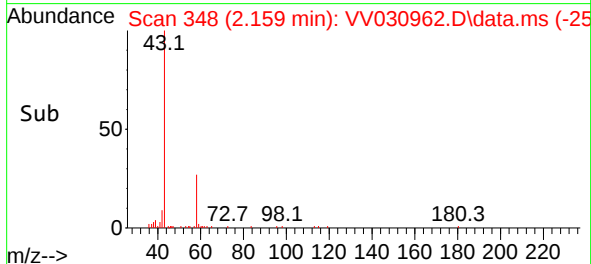
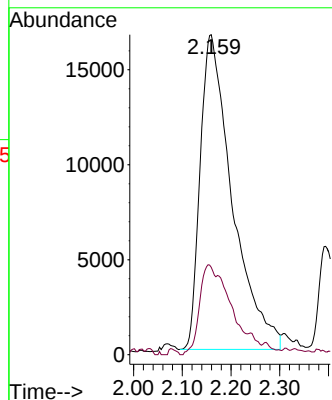
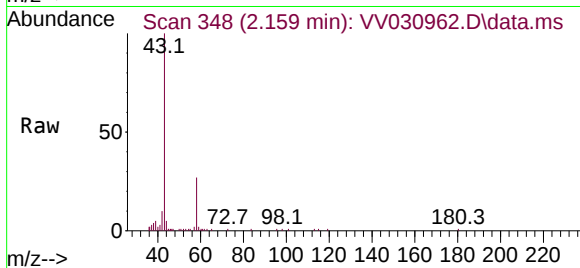
HOA37MS

Tgt Ion: 43 Resp: 75824

Ion Ratio Lower Upper

43 100

58 26.5 0.0 37.0



#14

Carbon disulfide

Concen: 4.061 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV030962.D

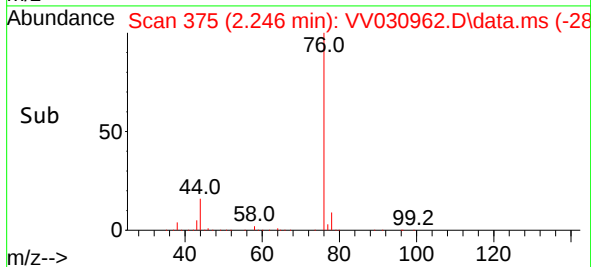
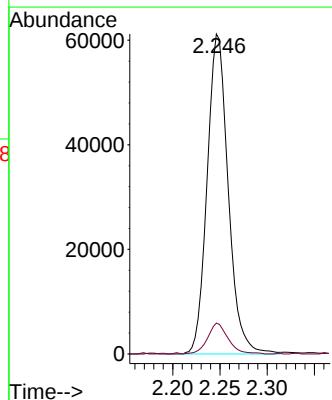
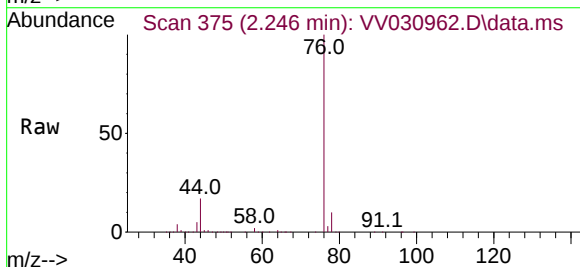
Acq: 01 May 2023 17:52

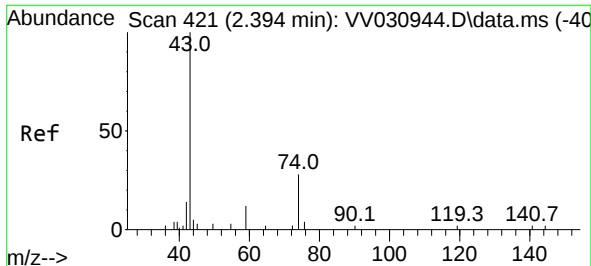
Tgt Ion: 76 Resp: 95046

Ion Ratio Lower Upper

76 100

78 9.7 6.8 10.2

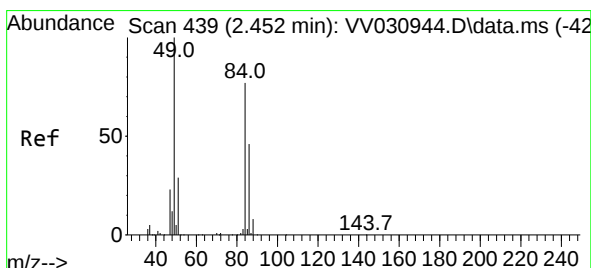
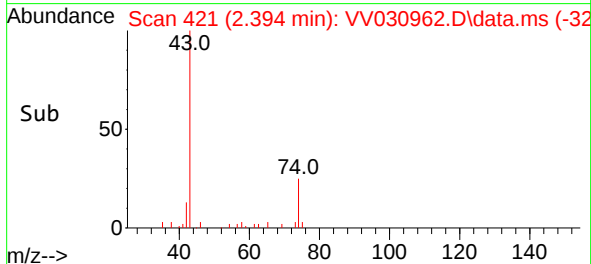
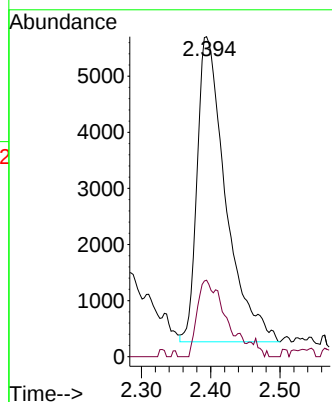
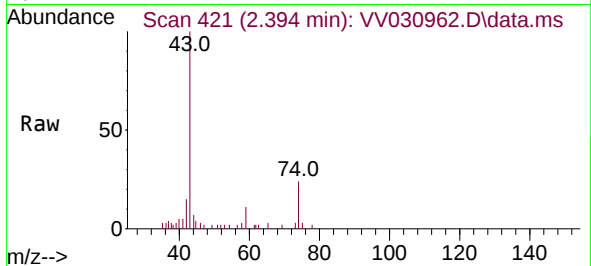




#15
Methyl Acetate
Concen: 4.614 ug/L
RT: 2.394 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

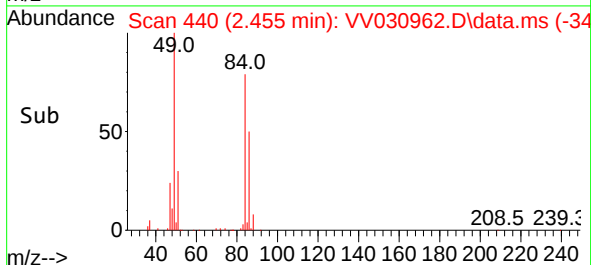
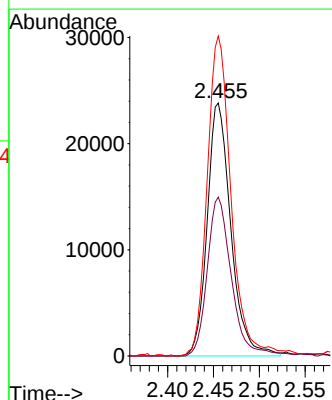
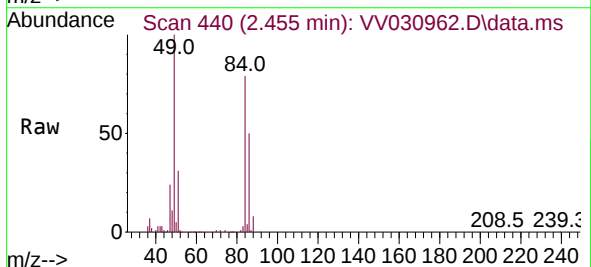
Instrument :
MSVOA_V
ClientSampleId :
HOA37MS

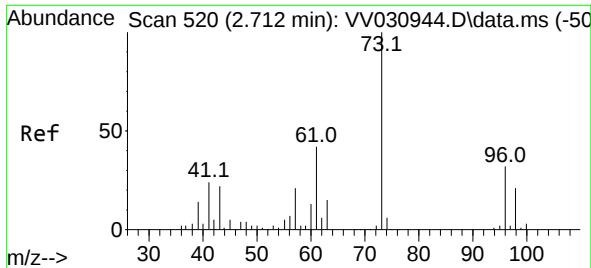
Tgt Ion: 43 Resp: 15571
Ion Ratio Lower Upper
43 100
74 22.6 15.0 22.6#



#16
Methylene chloride
Concen: 4.226 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

Tgt Ion: 84 Resp: 42759
Ion Ratio Lower Upper
84 100
86 62.8 46.1 85.5
49 126.5 94.3 175.1





#17

Methyl tert-butyl Ether

Concen: 5.385 ug/L

RT: 2.712 min Scan# 517

Delta R.T. -0.003 min

Lab File: VV030962.D

Acq: 01 May 2023 17:52

Instrument :

MSVOA_V

ClientSampleId :

HOA37MS

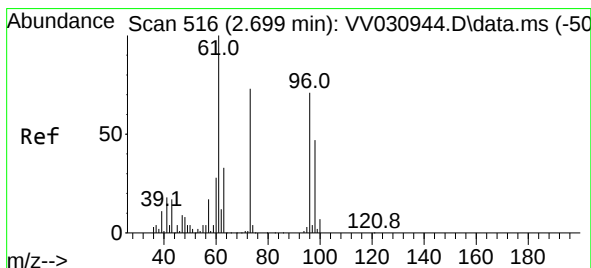
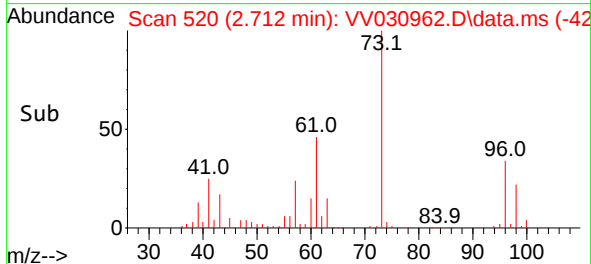
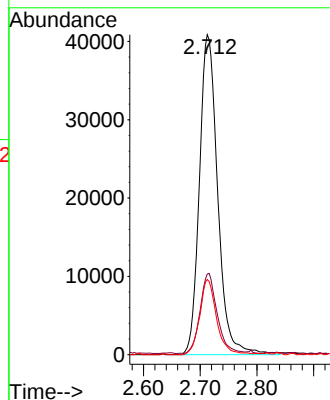
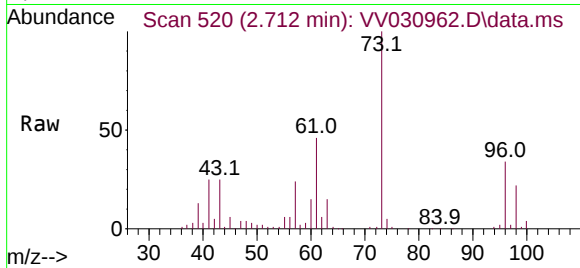
Tgt Ion: 73 Resp: 91696

Ion Ratio Lower Upper

73 100

43 23.4 19.9 29.9

57 21.7 18.2 27.4



#18

trans-1,2-Dichloroethene

Concen: 4.695 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV030962.D

Acq: 01 May 2023 17:52

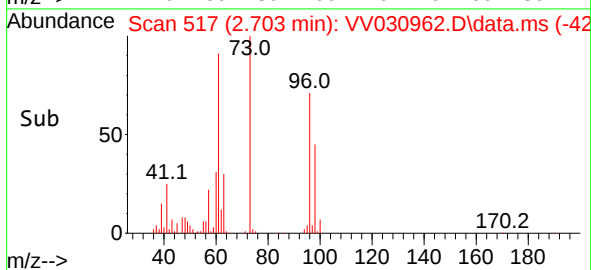
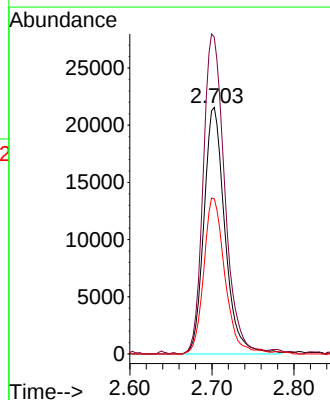
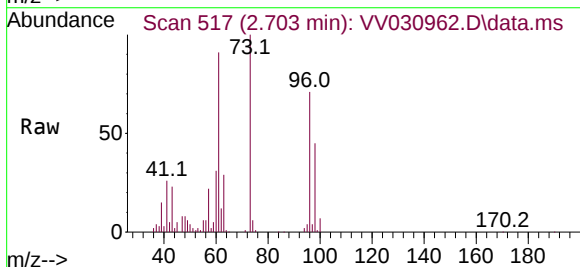
Tgt Ion: 96 Resp: 38356

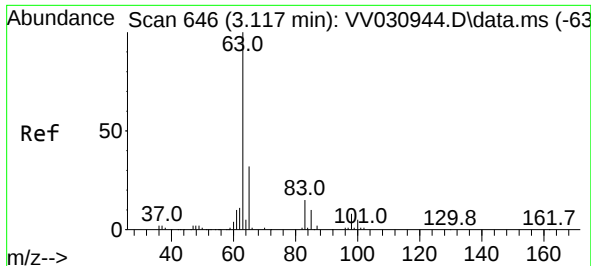
Ion Ratio Lower Upper

96 100

61 128.4 98.9 183.7

98 63.0 46.0 85.4

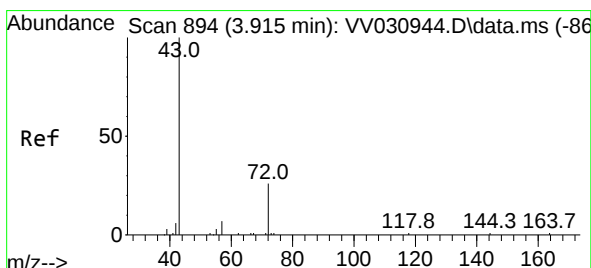
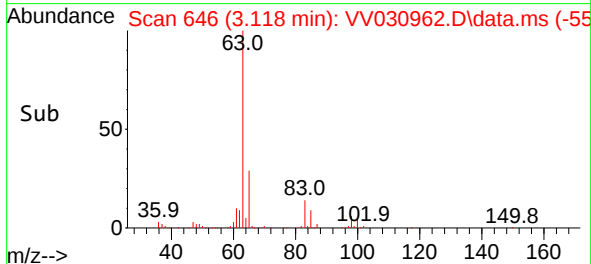
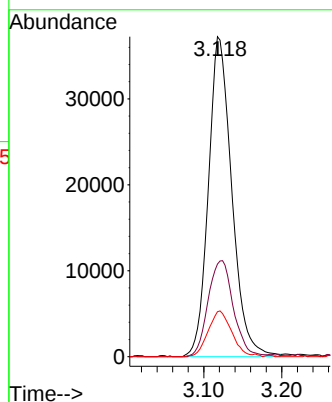
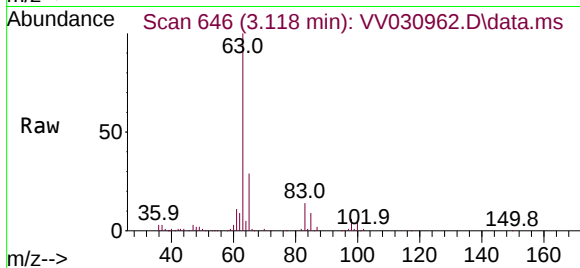




#19
1,1-Dichloroethane
Concen: 4.922 ug/L
RT: 3.118 min Scan# 646
Delta R.T. -0.003 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

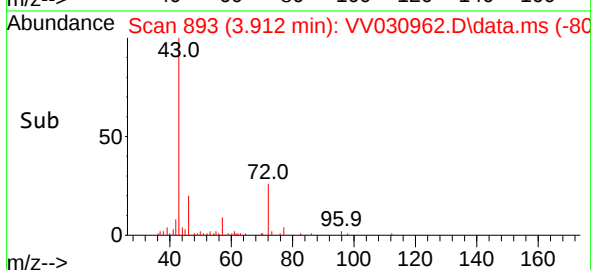
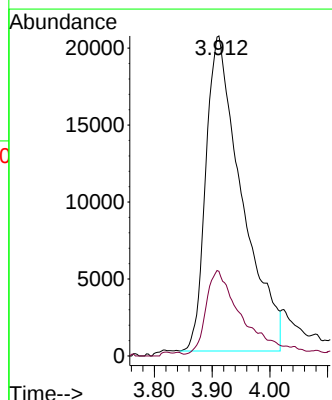
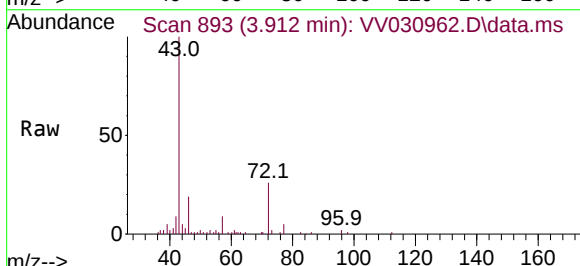
Instrument :
MSVOA_V
ClientSampleId :
HOA37MS

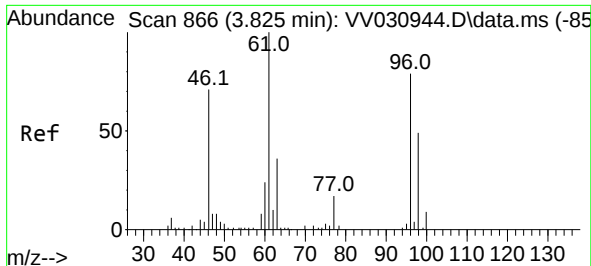
Tgt Ion:	63	Resp:	77653
Ion	Ratio	Lower	Upper
63	100		
65	29.0	21.8	40.6
83	14.1	10.2	19.0



#21
2-Butanone
Concen: 48.464 ug/L
RT: 3.912 min Scan# 893
Delta R.T. -0.006 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

Tgt Ion:	43	Resp:	88408
Ion	Ratio	Lower	Upper
43	100		
72	26.0	9.6	28.6

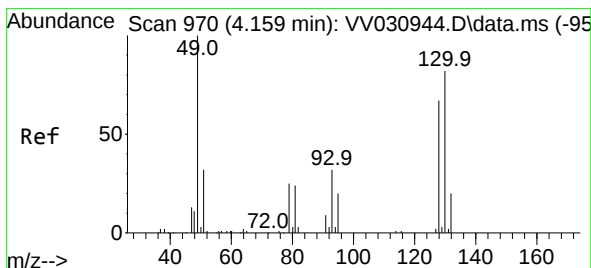
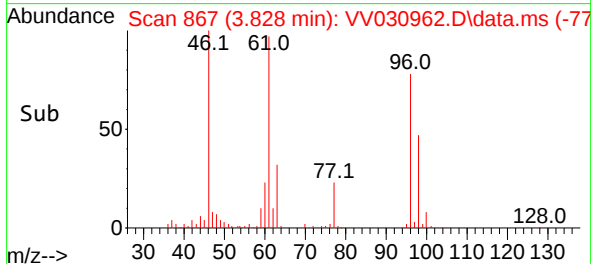
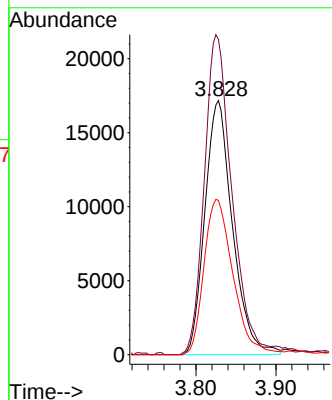
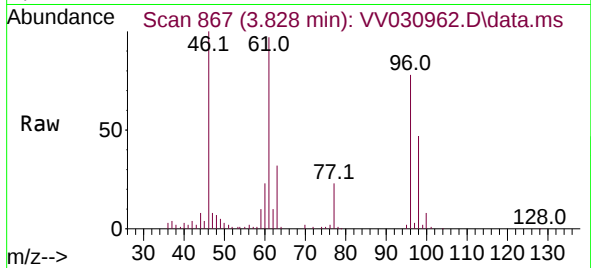




#22
 cis-1,2-Dichloroethene
 Concen: 4.795 ug/L
 RT: 3.828 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VV030962.D
 Acq: 01 May 2023 17:52

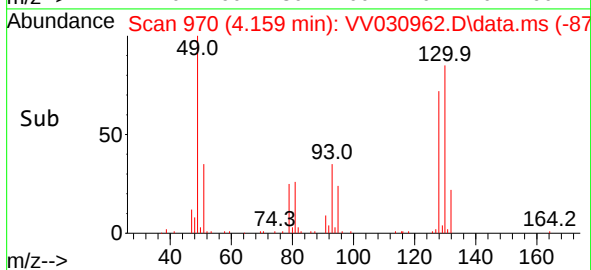
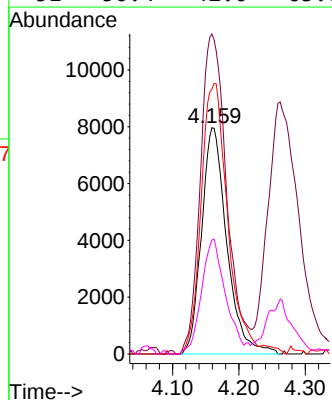
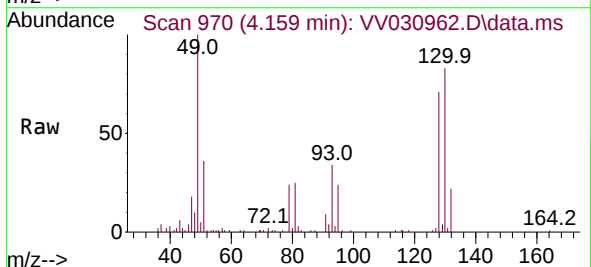
Instrument :
 MSVOA_V
 ClientSampleId :
 HOA37MS

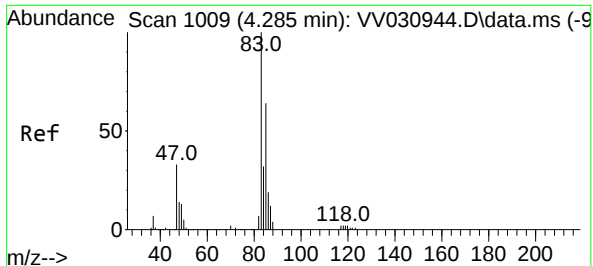
Tgt Ion: 96 Resp: 41338
 Ion Ratio Lower Upper
 96 100
 61 124.1 86.0 159.6
 98 60.7 43.2 80.2



#23
 Bromochloromethane
 Concen: 5.178 ug/L
 RT: 4.159 min Scan# 970
 Delta R.T. -0.003 min
 Lab File: VV030962.D
 Acq: 01 May 2023 17:52

Tgt Ion: 128 Resp: 21015
 Ion Ratio Lower Upper
 128 100
 49 141.4 104.7 194.5
 130 117.1 93.4 173.4
 51 50.4 42.0 63.0





#25

Chloroform

Concen: 5.230 ug/L

RT: 4.288 min Scan# 1010

Delta R.T. 0.000 min

Lab File: VV030962.D

Acq: 01 May 2023 17:52

Instrument :

MSVOA_V

ClientSampleId :

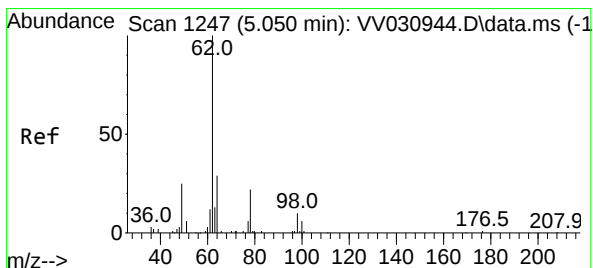
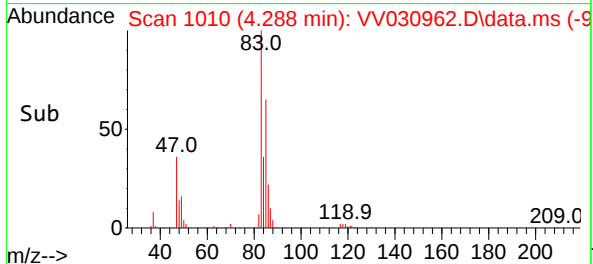
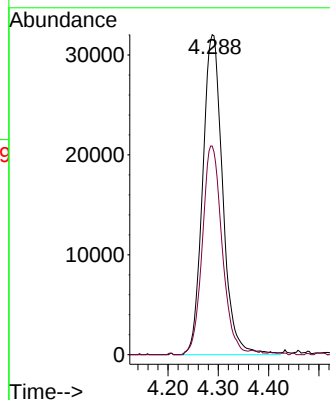
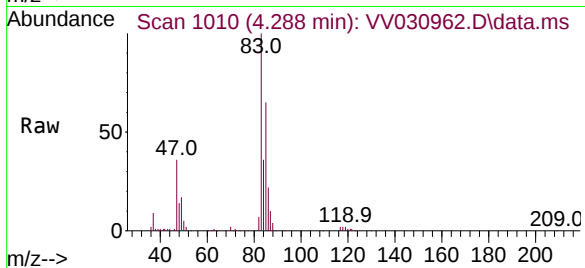
HOA37MS

Tgt Ion: 83 Resp: 88530

Ion Ratio Lower Upper

83 100

85 65.2 46.4 86.2



#27

1,2-Dichloroethane

Concen: 5.334 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.000 min

Lab File: VV030962.D

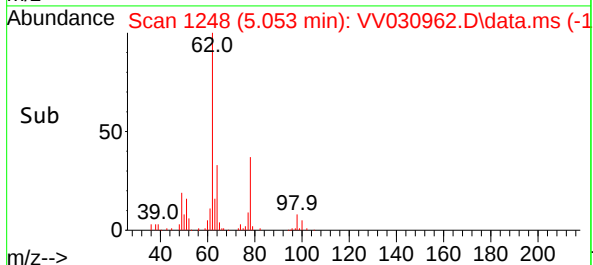
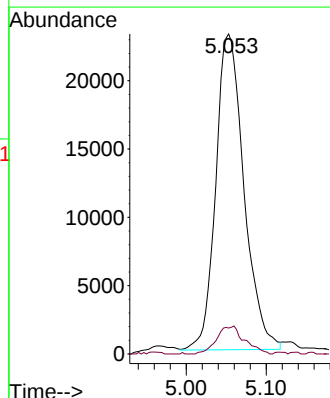
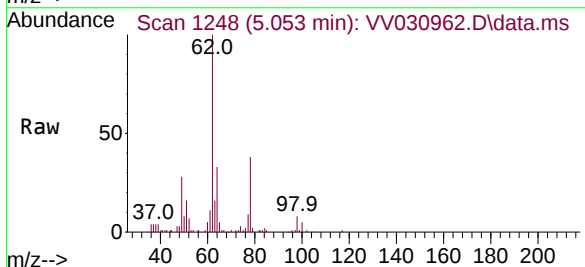
Acq: 01 May 2023 17:52

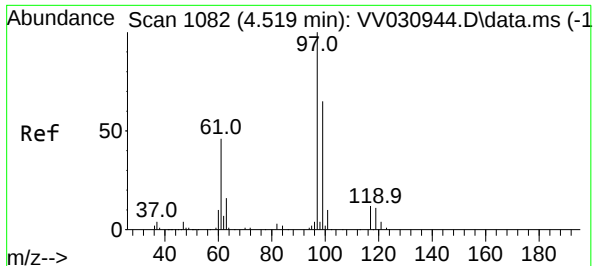
Tgt Ion: 62 Resp: 56660

Ion Ratio Lower Upper

62 100

98 8.1 6.0 9.0





#29

1,1,1-Trichloroethane

Concen: 5.074 ug/L

RT: 4.523 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV030962.D

Acq: 01 May 2023 17:52

Instrument :

MSVOA_V

ClientSampleId :

HOA37MS

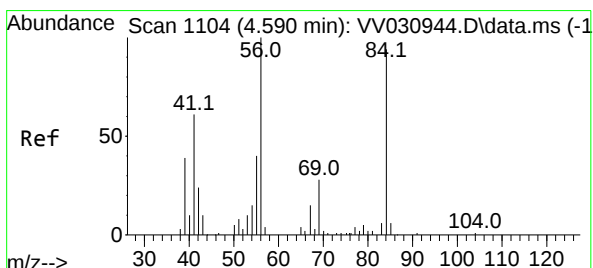
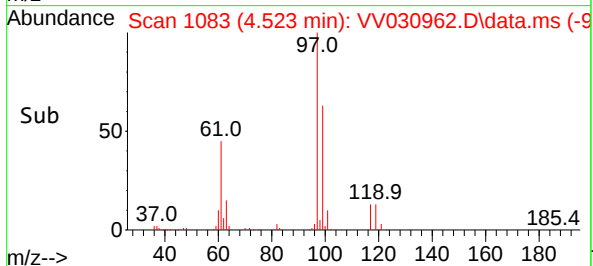
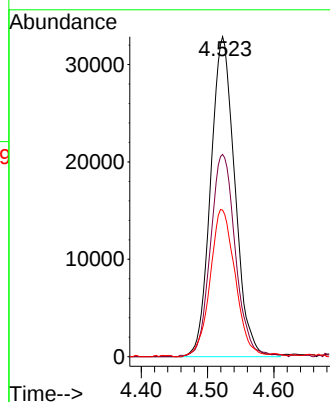
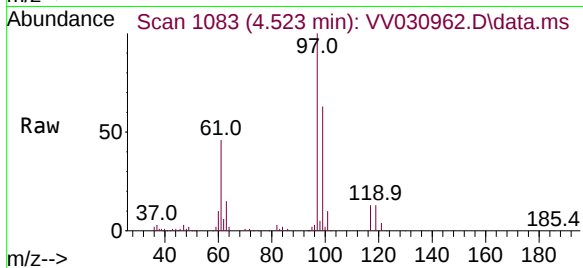
Tgt Ion: 97 Resp: 83153

Ion Ratio Lower Upper

97 100

99 65.2 51.4 77.2

61 47.8 37.4 56.0



#30

Cyclohexane

Concen: 4.373 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV030962.D

Acq: 01 May 2023 17:52

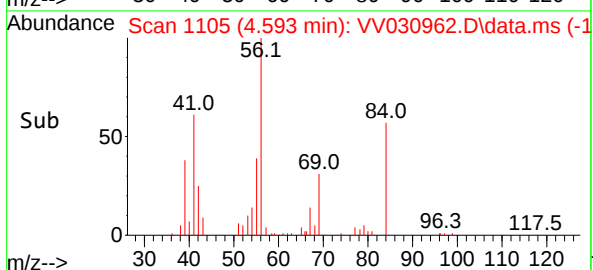
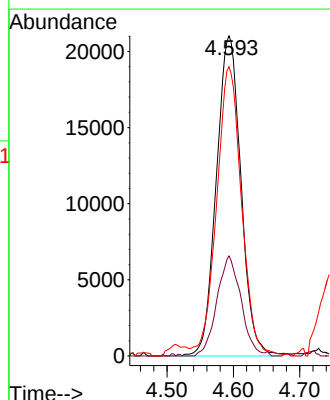
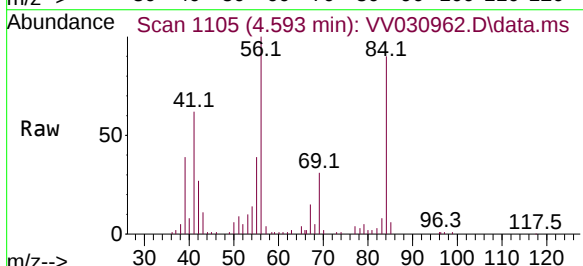
Tgt Ion: 56 Resp: 54125

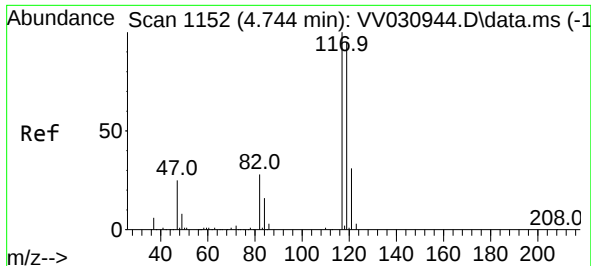
Ion Ratio Lower Upper

56 100

69 30.5 25.0 37.6

84 90.4 74.2 111.2

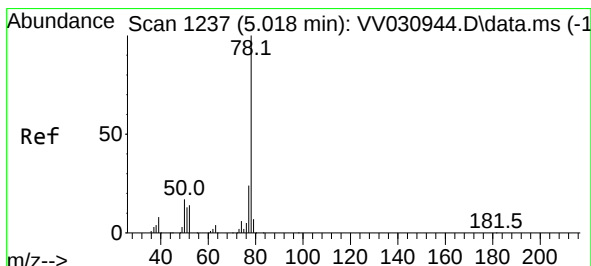
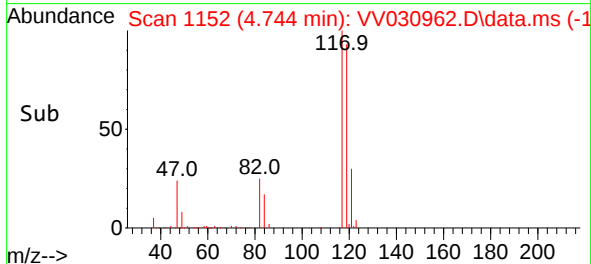
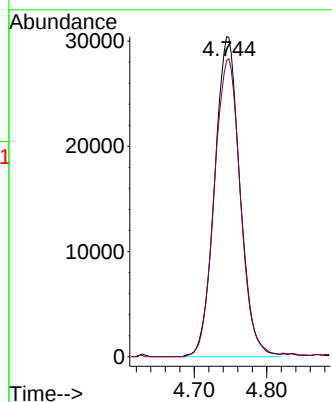
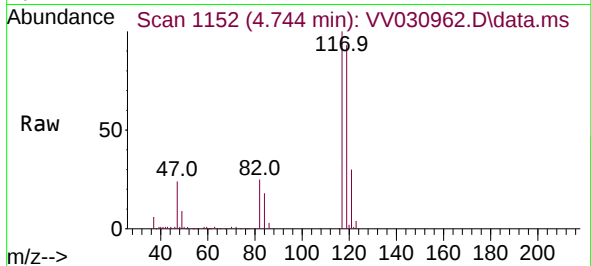




#31
Carbon tetrachloride
Concen: 4.998 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

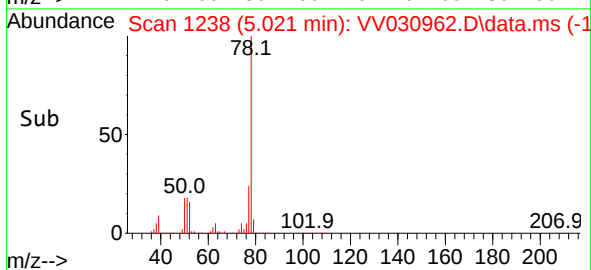
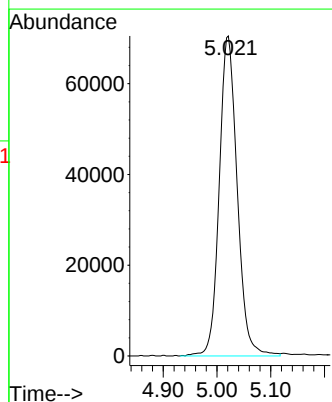
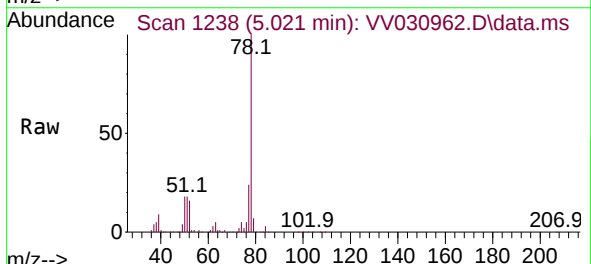
Instrument : MSVOA_V
ClientSampleId : HOA37MS

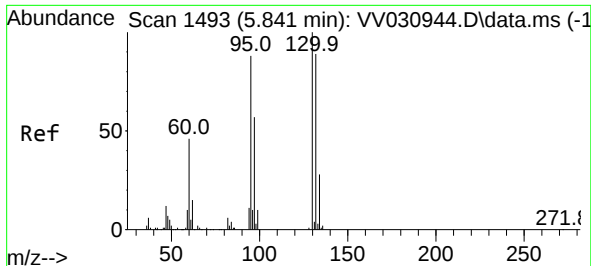
Tgt Ion:117 Resp: 73575
Ion Ratio Lower Upper
117 100
119 96.4 78.4 117.6



#33
Benzene
Concen: 4.997 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

Tgt Ion: 78 Resp: 163922

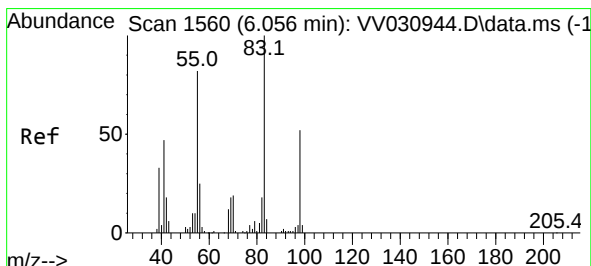
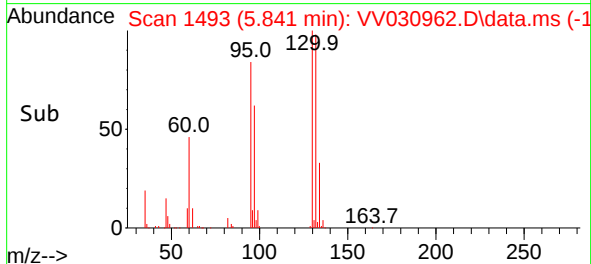
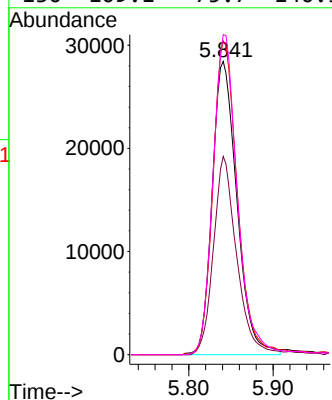
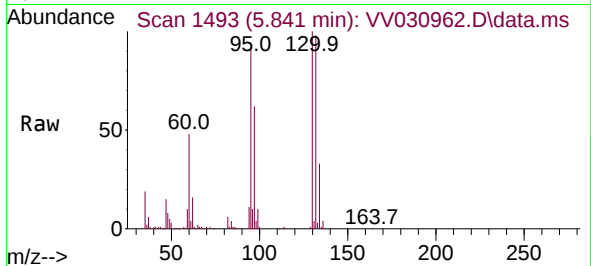




#34
Trichloroethene
Concen: 6.611 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. -0.003 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

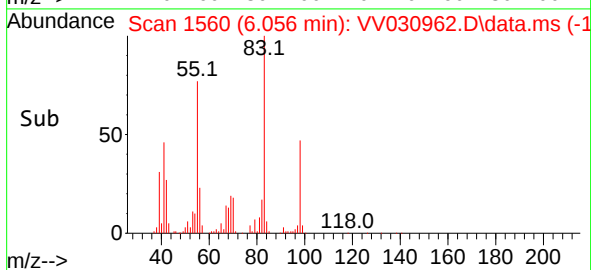
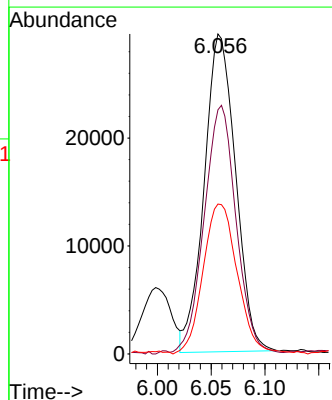
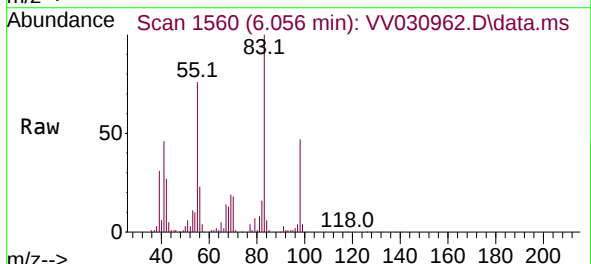
Instrument :
MSVOA_V
ClientSampleId :
HOA37MS

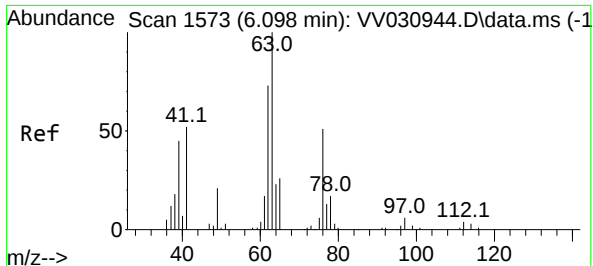
Tgt Ion:	95	Resp:	57807
Ion	Ratio	Lower	Upper
95	100		
97	67.6	46.2	85.8
132	107.0	72.7	135.1
130	109.1	75.7	140.5



#35
Methylcyclohexane
Concen: 4.406 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.003 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

Tgt Ion:	83	Resp:	59707
Ion	Ratio	Lower	Upper
83	100		
55	78.7	62.9	94.3
98	51.7	40.5	60.7





#37

1,2-Dichloropropane

Concen: 5.008 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV030962.D

Acq: 01 May 2023 17:52

Instrument :

MSVOA_V

ClientSampleId :

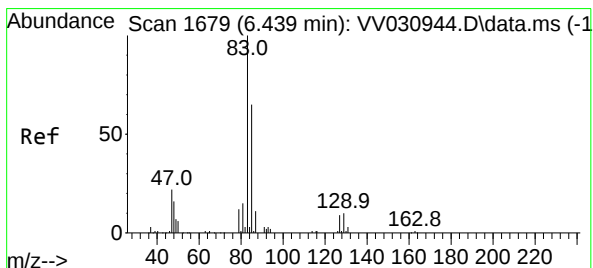
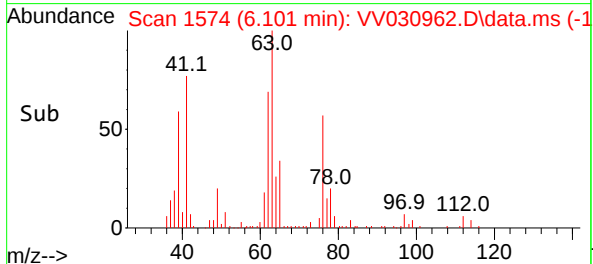
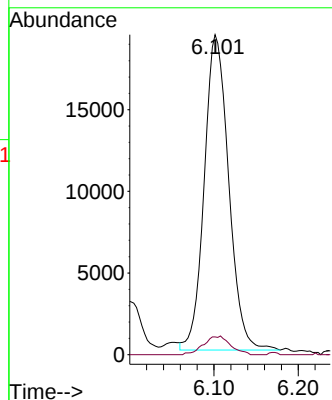
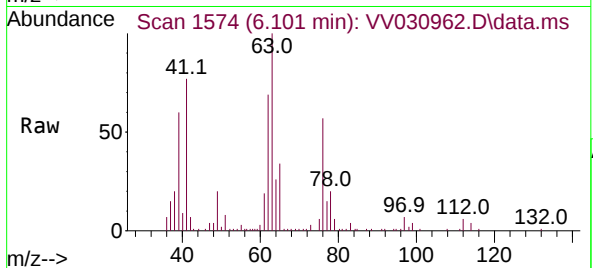
HOA37MS

Tgt Ion: 63 Resp: 38967

Ion Ratio Lower Upper

63 100

112 6.5 3.8 5.8#



#38

Bromodichloromethane

Concen: 5.120 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.003 min

Lab File: VV030962.D

Acq: 01 May 2023 17:52

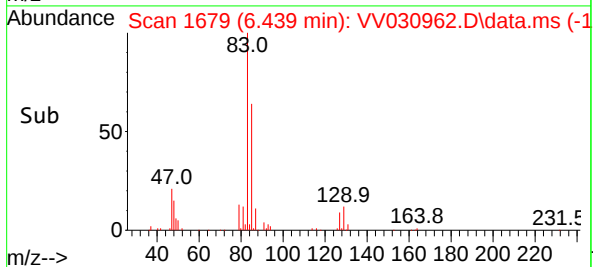
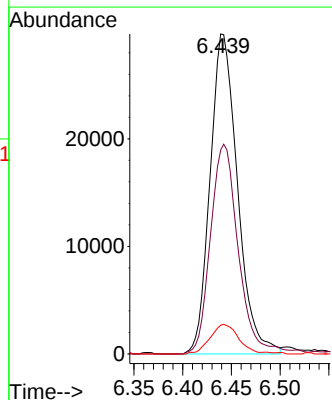
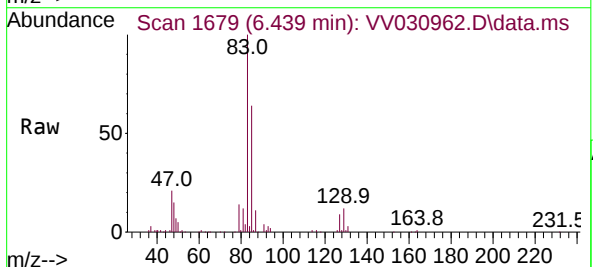
Tgt Ion: 83 Resp: 58308

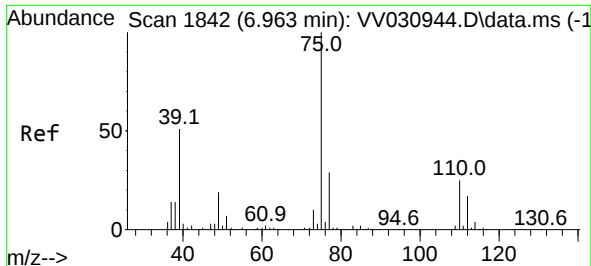
Ion Ratio Lower Upper

83 100

85 63.8 44.4 82.4

127 9.0 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 5.004 ug/L

RT: 6.963 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VV030962.D

Acq: 01 May 2023 17:52

Instrument :

MSVOA_V

ClientSampleId :

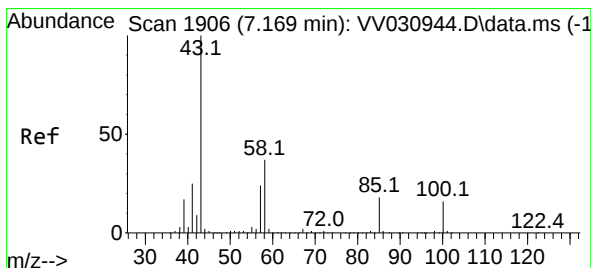
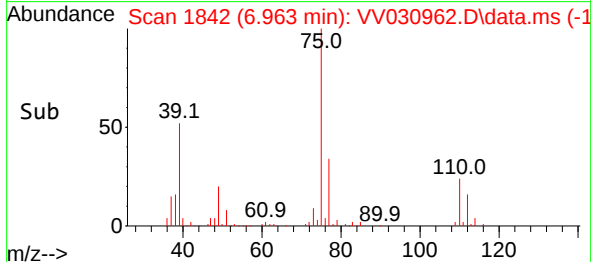
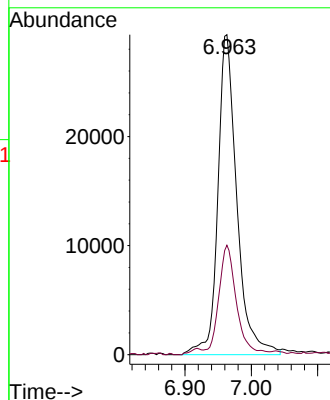
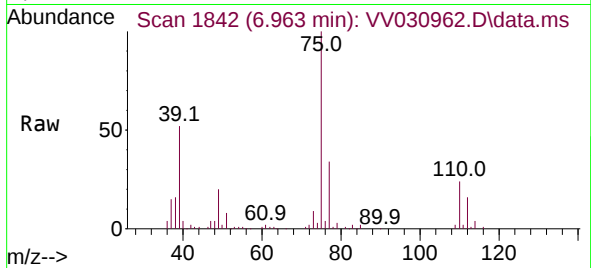
HOA37MS

Tgt Ion: 75 Resp: 58313

Ion Ratio Lower Upper

75 100

77 34.2 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 59.776 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. -0.003 min

Lab File: VV030962.D

Acq: 01 May 2023 17:52

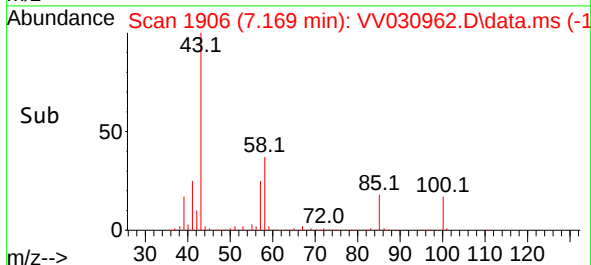
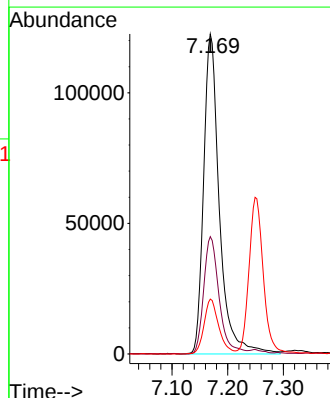
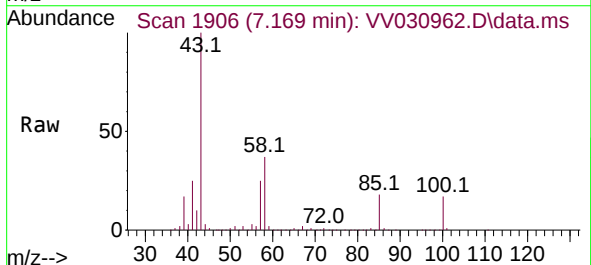
Tgt Ion: 43 Resp: 240984

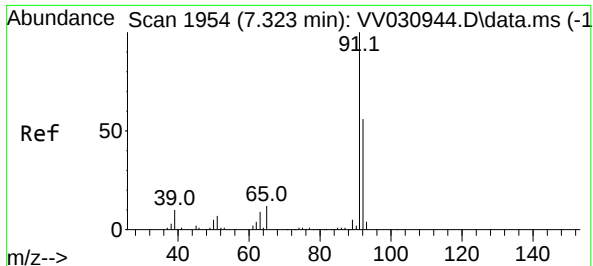
Ion Ratio Lower Upper

43 100

58 36.0 28.3 42.5

100 16.0 11.8 17.8





#42

Toluene

Concen: 5.231 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV030962.D

Acq: 01 May 2023 17:52

Instrument :

MSVOA_V

ClientSampleId :

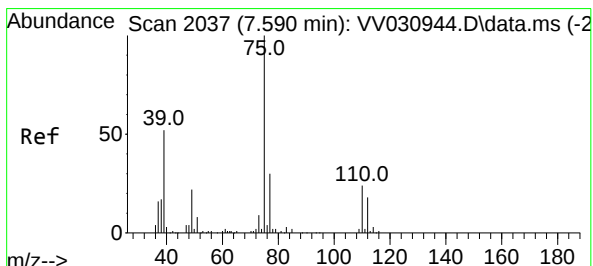
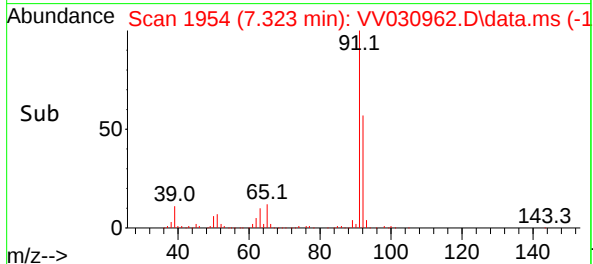
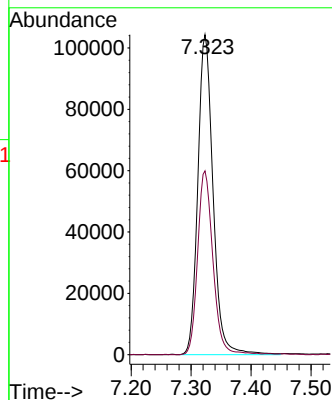
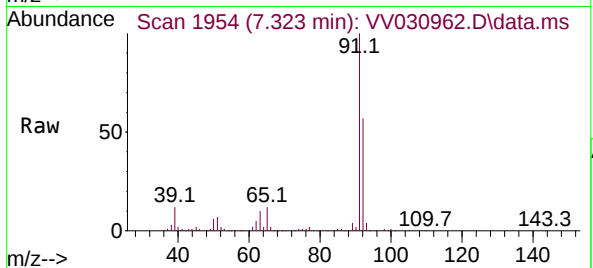
HOA37MS

Tgt Ion: 91 Resp: 184755

Ion Ratio Lower Upper

91 100

92 57.5 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 5.245 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. -0.003 min

Lab File: VV030962.D

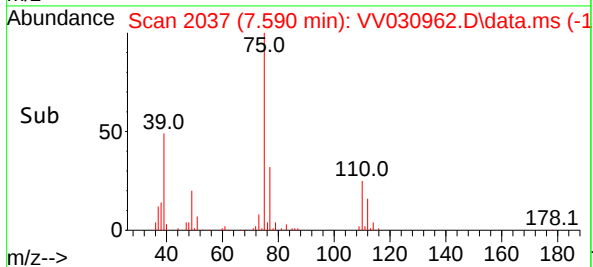
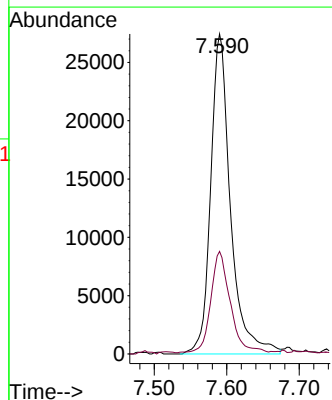
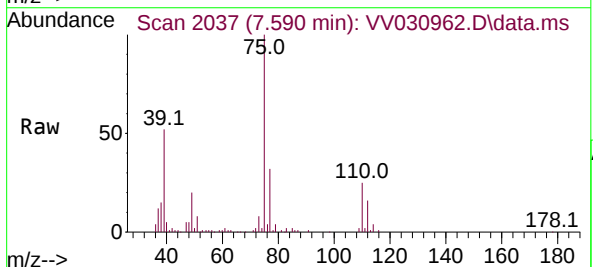
Acq: 01 May 2023 17:52

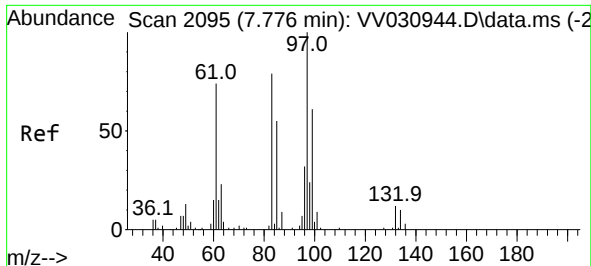
Tgt Ion: 75 Resp: 52076

Ion Ratio Lower Upper

75 100

77 32.0 21.6 40.0

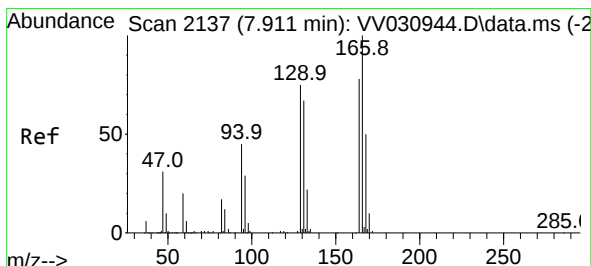
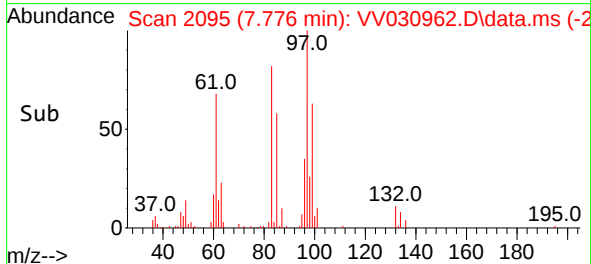
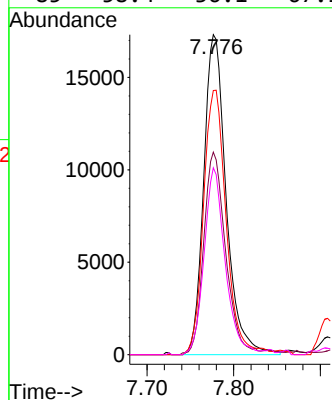
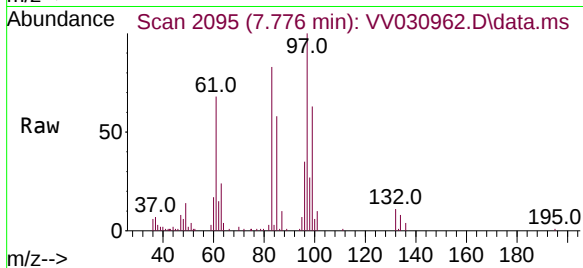




#45
1,1,2-Trichloroethane
Concen: 5.396 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. -0.003 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

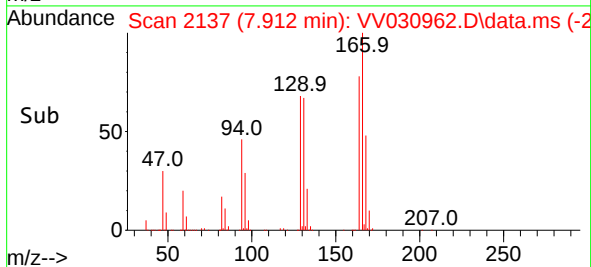
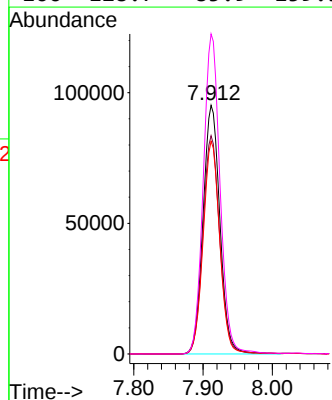
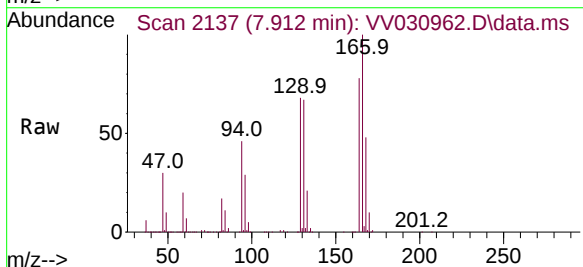
Instrument : MSVOA_V
ClientSampleId : HOA37MS

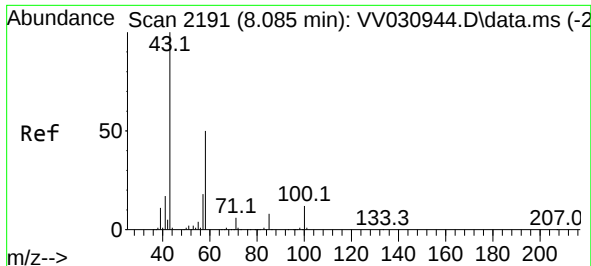
Tgt Ion: 97	Resp: 31155
Ion Ratio	Lower Upper
97 100	
99 63.3	42.8 79.6
83 82.5	57.5 106.7
85 58.4	36.1 67.1



#47
Tetrachloroethene
Concen: 19.290 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. -0.003 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

Tgt	Ion:164	Resp:	160920
Ion	Ratio	Lower	Upper
164	100		
129	87.8	60.5	112.3
131	85.6	60.8	112.8
166	128.7	85.9	159.5

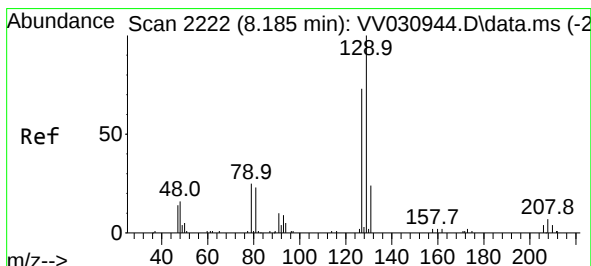
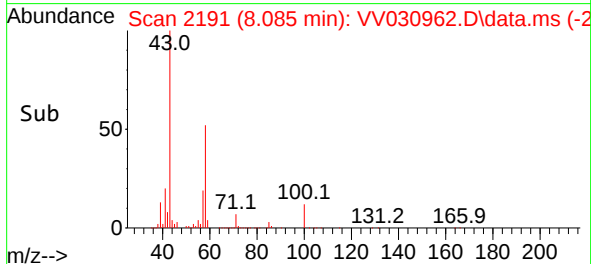
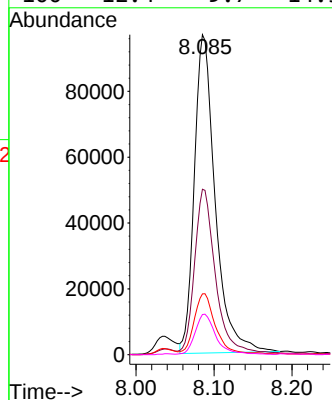
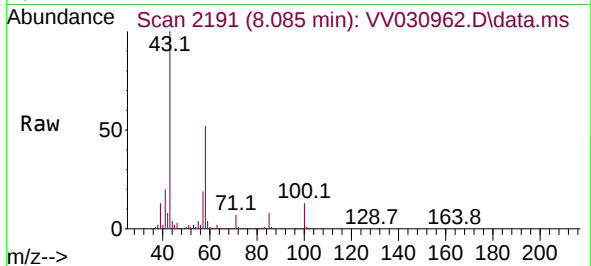




#48
2-Hexanone
Concen: 58.324 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. -0.003 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

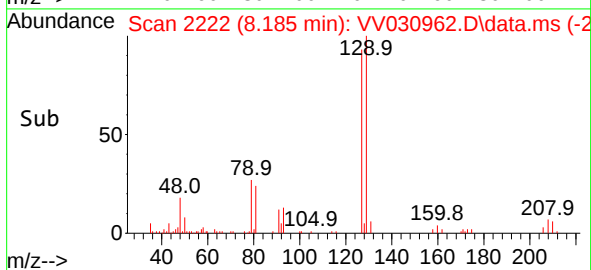
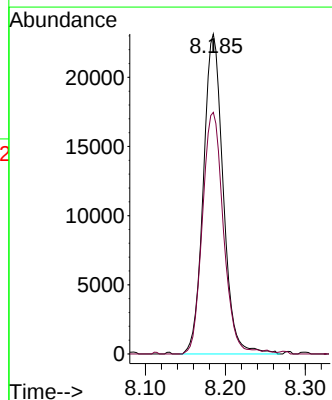
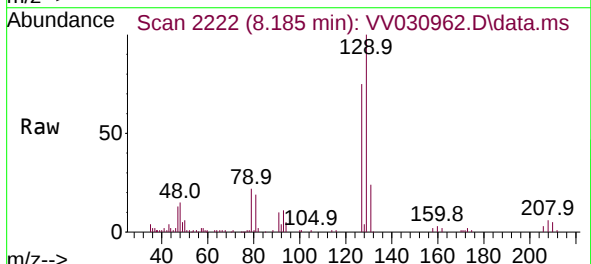
Instrument :
MSVOA_V
ClientSampleId :
HOA37MS

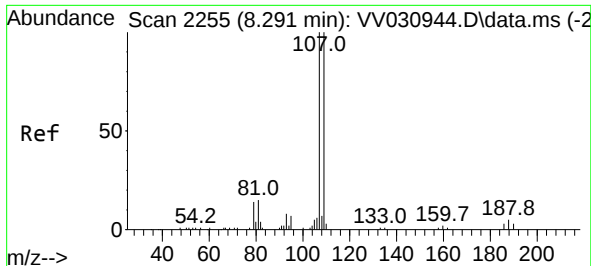
Tgt Ion: 43 Resp: 180343
Ion Ratio Lower Upper
43 100
58 51.9 39.9 59.9
57 19.4 14.1 21.1
100 12.4 9.7 14.5



#49
Dibromochloromethane
Concen: 5.485 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.000 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

Tgt Ion: 129 Resp: 39835
Ion Ratio Lower Upper
129 100
127 75.5 55.3 102.7





#50

1,2-Dibromoethane

Concen: 5.560 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV030962.D

Acq: 01 May 2023 17:52

Instrument :

MSVOA_V

ClientSampleId :

HOA37MS

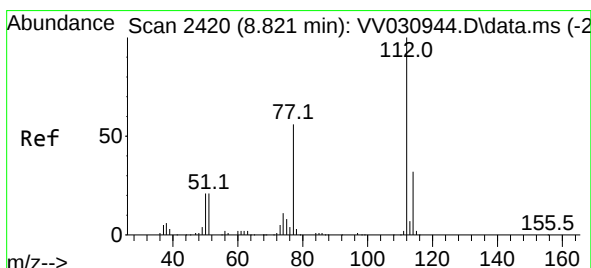
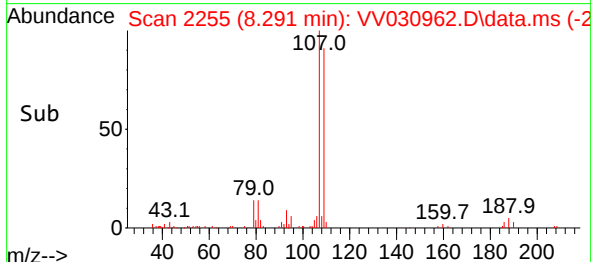
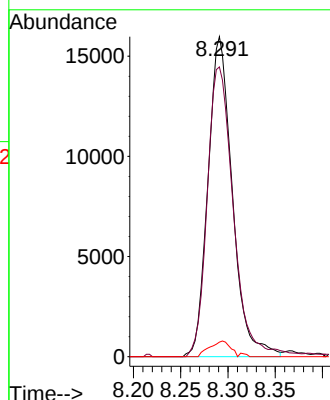
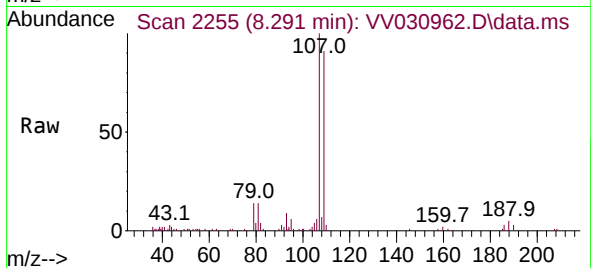
Tgt Ion:107 Resp: 28632

Ion Ratio Lower Upper

107 100

109 90.6 64.9 120.5

188 4.5 3.2 4.8



#51

Chlorobenzene

Concen: 4.961 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV030962.D

Acq: 01 May 2023 17:52

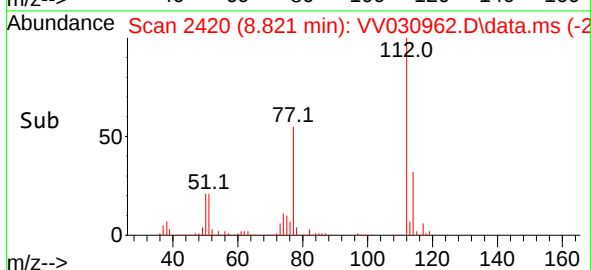
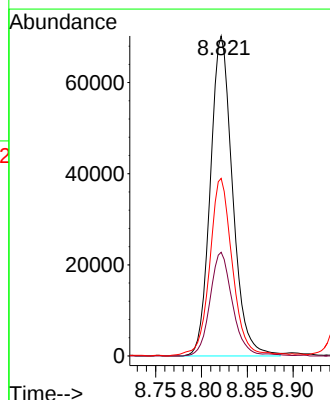
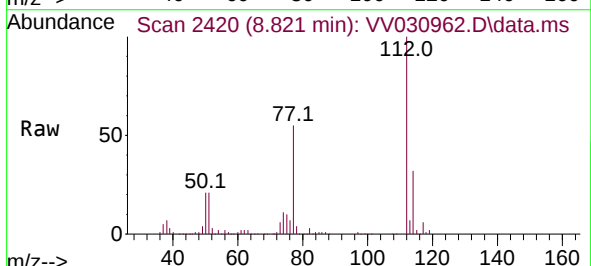
Tgt Ion:112 Resp: 118781

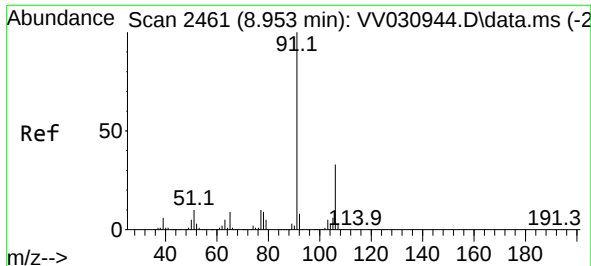
Ion Ratio Lower Upper

112 100

114 32.4 22.5 41.9

77 55.5 45.3 67.9

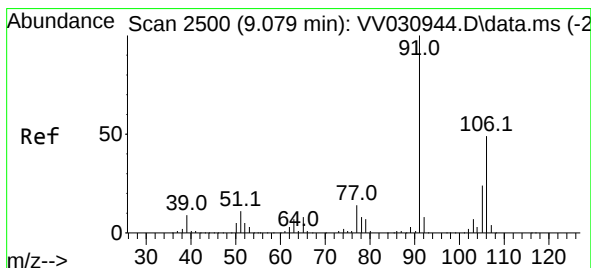
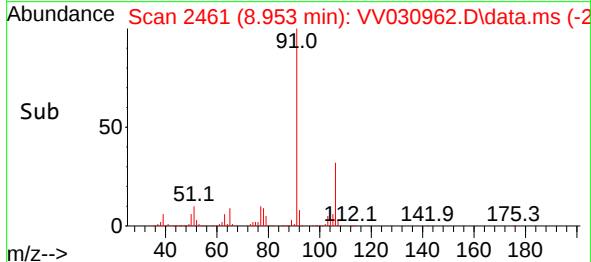
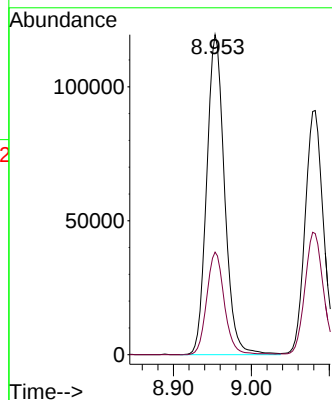
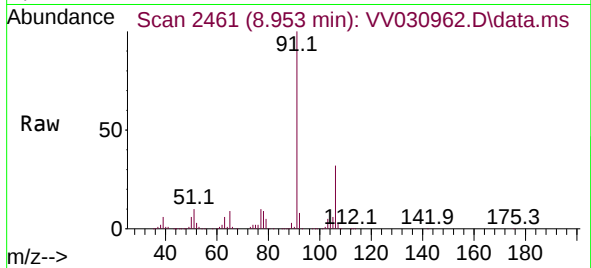




#52
Ethylbenzene
Concen: 4.933 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

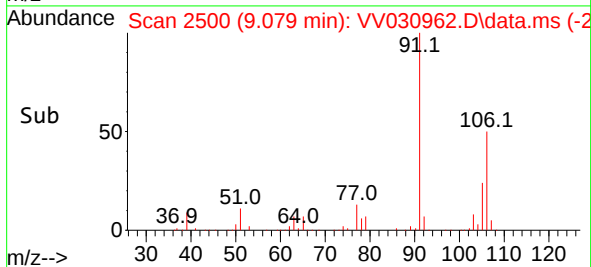
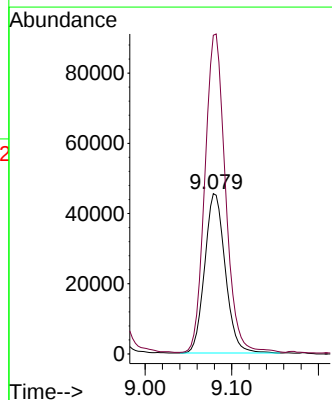
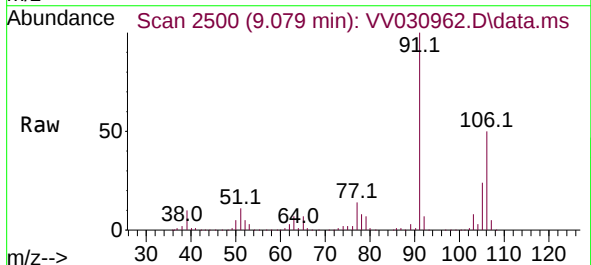
Instrument :
MSVOA_V
ClientSampleId :
HOA37MS

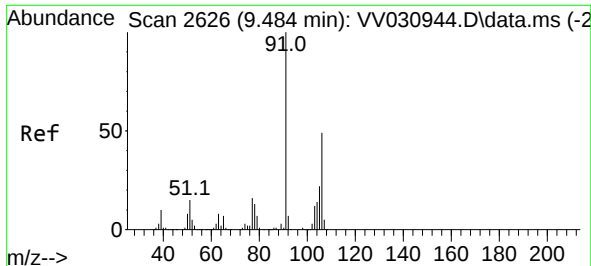
Tgt Ion: 91 Resp: 189930
Ion Ratio Lower Upper
91 100
106 32.1 21.4 39.8



#53
m,p-Xylene
Concen: 4.882 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

Tgt Ion: 106 Resp: 75013
Ion Ratio Lower Upper
106 100
91 198.8 138.7 257.5

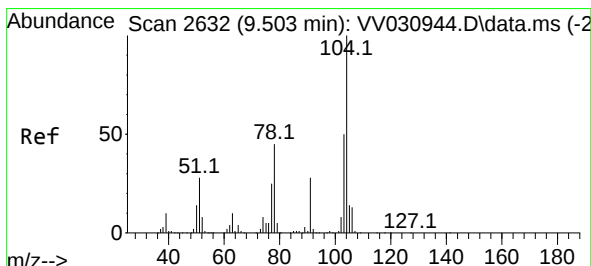
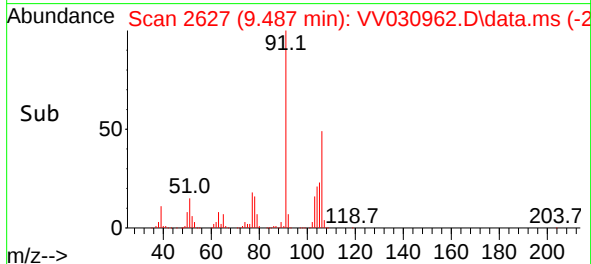
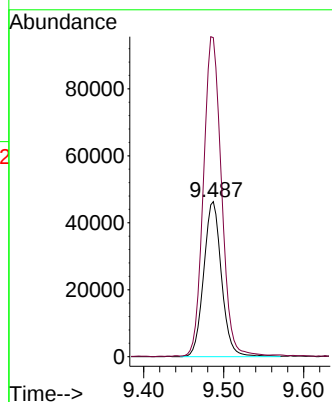
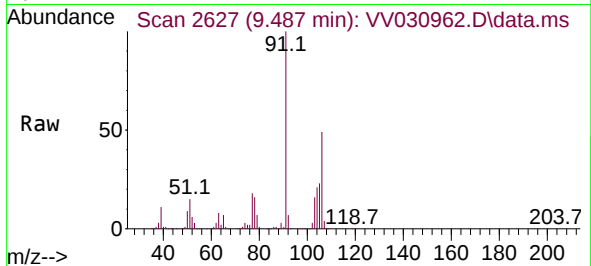




#54
o-Xylene
Concen: 4.914 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

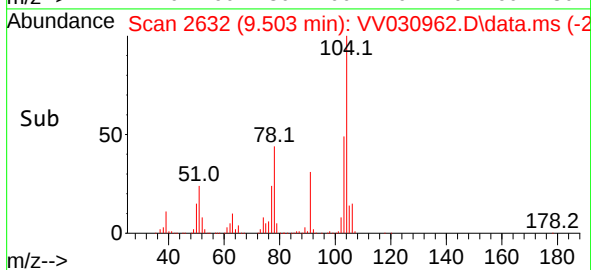
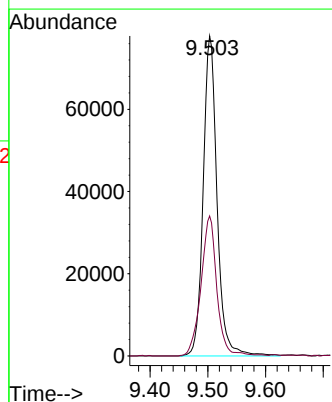
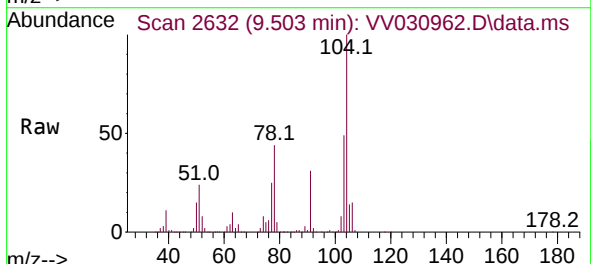
Instrument :
MSVOA_V
ClientSampleId :
HOA37MS

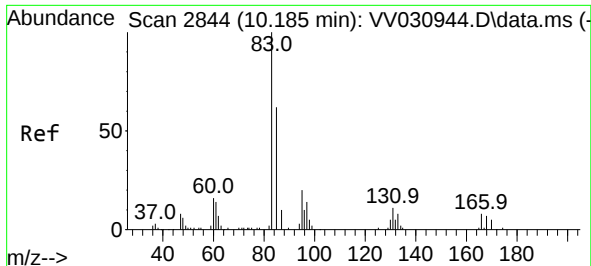
Tgt Ion:106 Resp: 71866
Ion Ratio Lower Upper
106 100
91 205.9 145.1 269.5



#55
Styrene
Concen: 5.257 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

Tgt Ion:104 Resp: 129722
Ion Ratio Lower Upper
104 100
78 43.7 31.4 58.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.743 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. 0.000 min

Lab File: VV030962.D

Acq: 01 May 2023 17:52

Instrument :

MSVOA_V

ClientSampleId :

HOA37MS

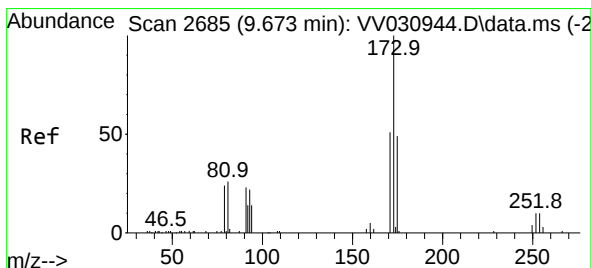
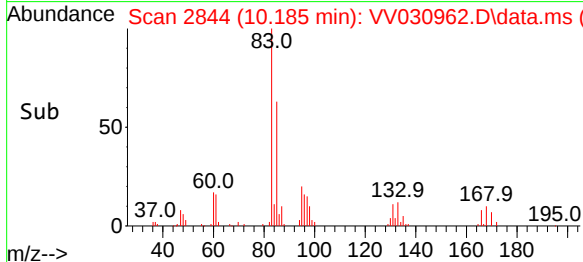
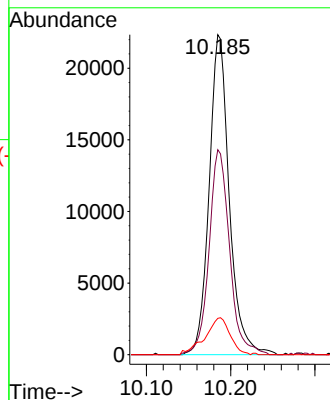
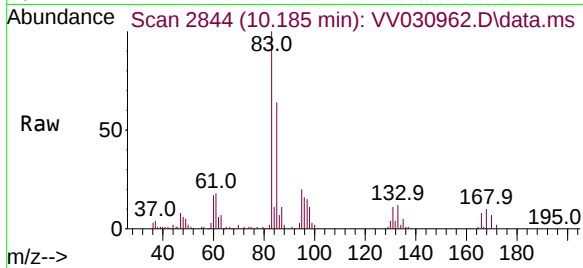
Tgt Ion: 83 Resp: 37060

Ion Ratio Lower Upper

83 100

85 64.0 45.2 84.0

131 11.3 8.3 12.5



#59

Bromoform

Concen: 5.182 ug/L

RT: 9.674 min Scan# 2685

Delta R.T. 0.000 min

Lab File: VV030962.D

Acq: 01 May 2023 17:52

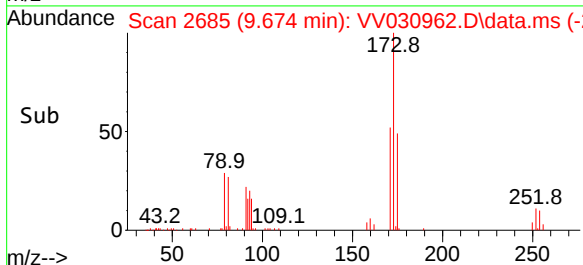
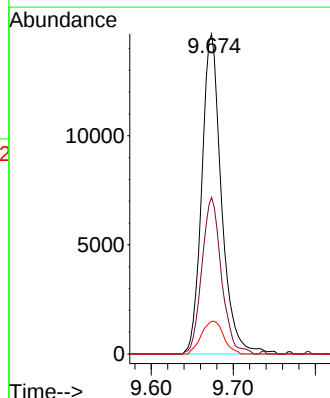
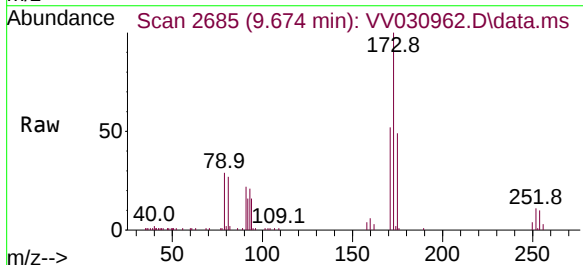
Tgt Ion:173 Resp: 24402

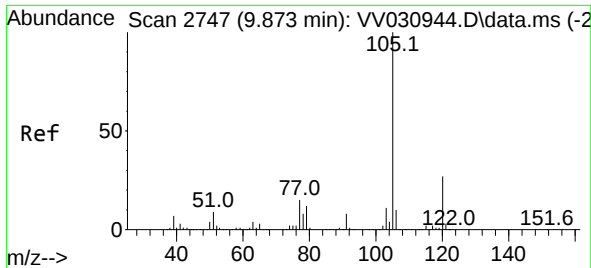
Ion Ratio Lower Upper

173 100

175 48.7 39.9 59.9

254 11.6 9.7 14.5

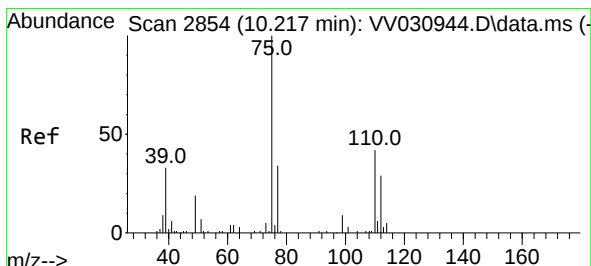
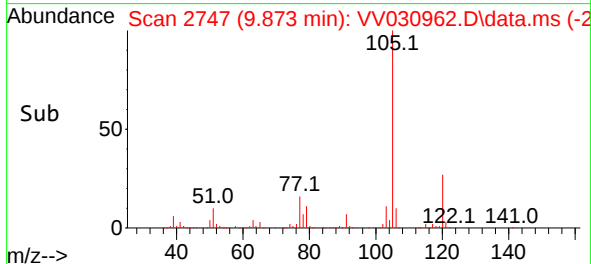
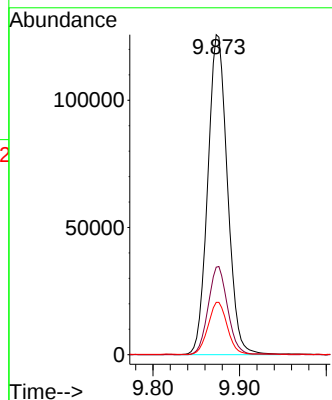
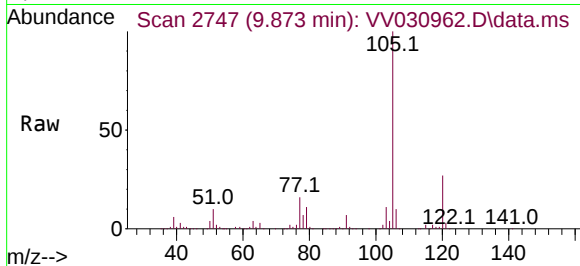




#60
Isopropylbenzene
Concen: 4.595 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

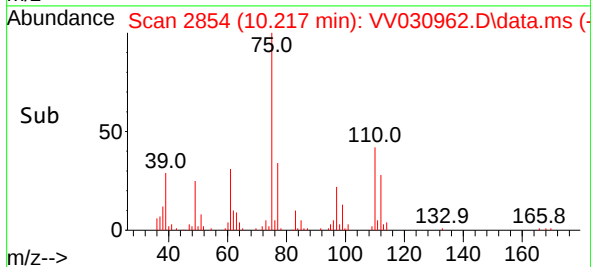
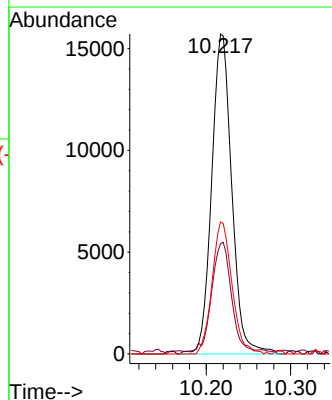
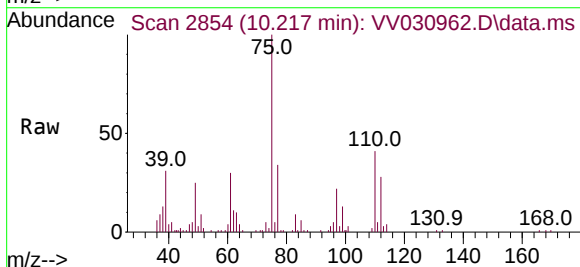
Instrument :
MSVOA_V
ClientSampleId :
HOA37MS

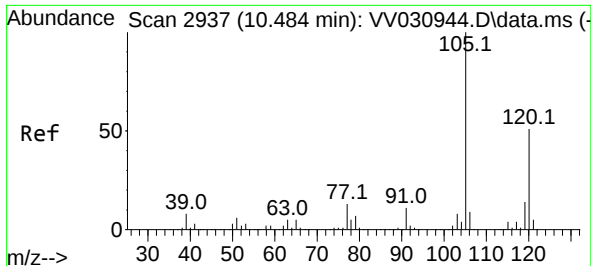
Tgt Ion:105 Resp: 198196
Ion Ratio Lower Upper
105 100
120 27.4 22.2 33.4
77 15.8 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 5.182 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

Tgt Ion: 75 Resp: 26040
Ion Ratio Lower Upper
75 100
77 32.5 25.3 37.9
110 41.0 34.0 51.0





#62

1,3,5-Trimethylbenzene

Concen: 4.552 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV030962.D

Acq: 01 May 2023 17:52

Instrument :

MSVOA_V

ClientSampleId :

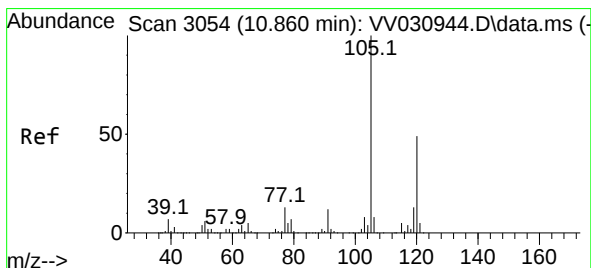
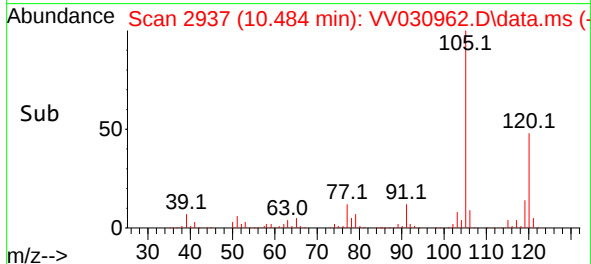
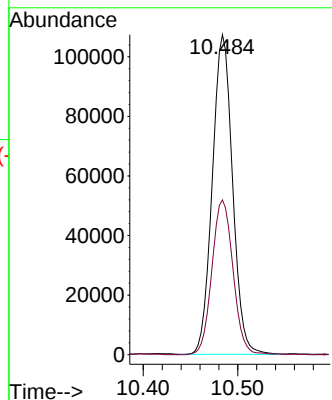
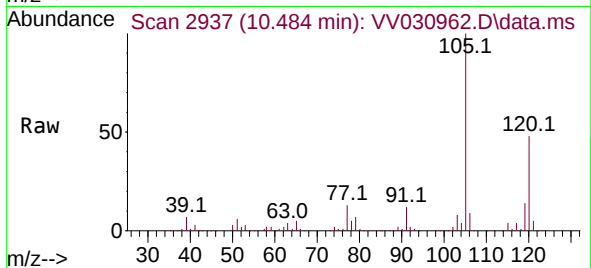
HOA37MS

Tgt Ion:105 Resp: 159818

Ion Ratio Lower Upper

105 100

120 50.5 40.2 60.4



#63

1,2,4-Trimethylbenzene

Concen: 4.408 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030962.D

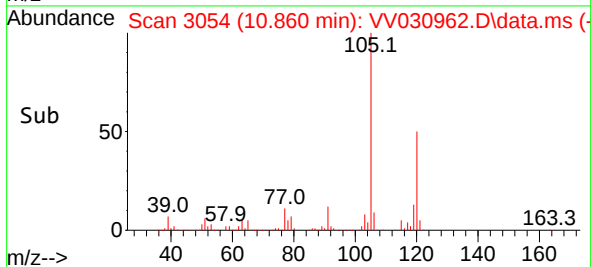
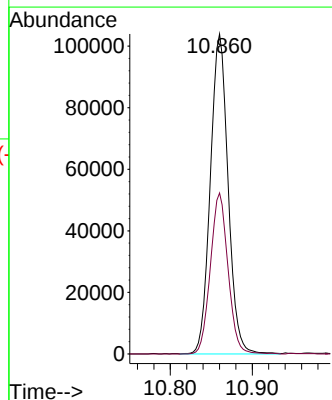
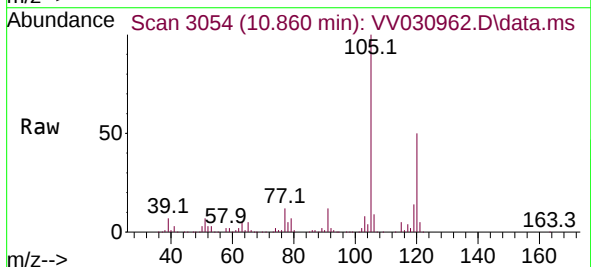
Acq: 01 May 2023 17:52

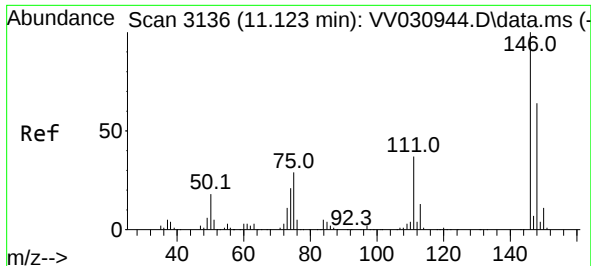
Tgt Ion:105 Resp: 156813

Ion Ratio Lower Upper

105 100

120 49.9 37.9 56.9

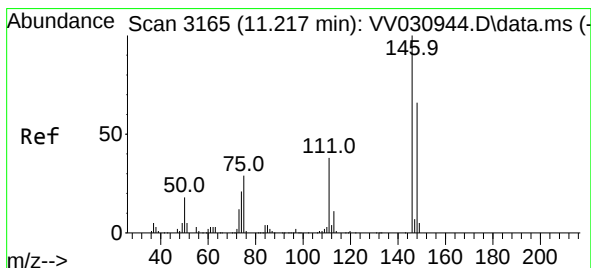
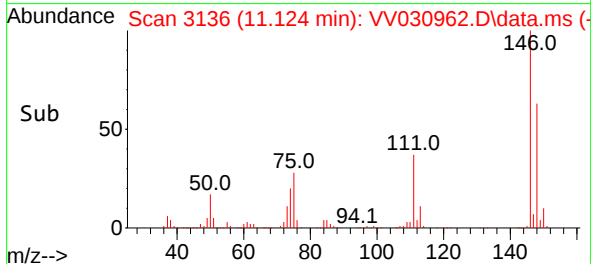
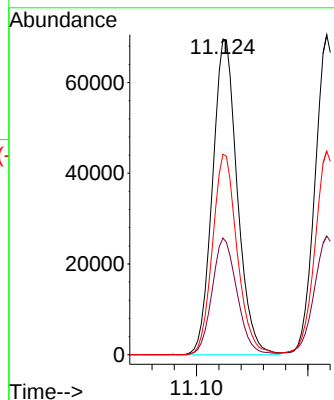
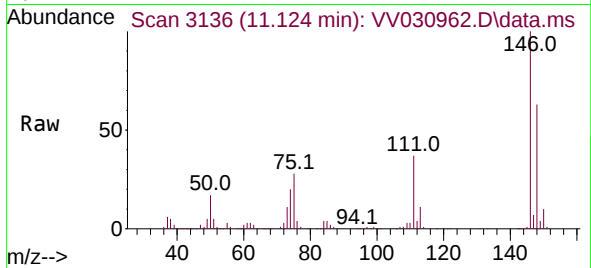




#64
1,3-Dichlorobenzene
Concen: 4.860 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

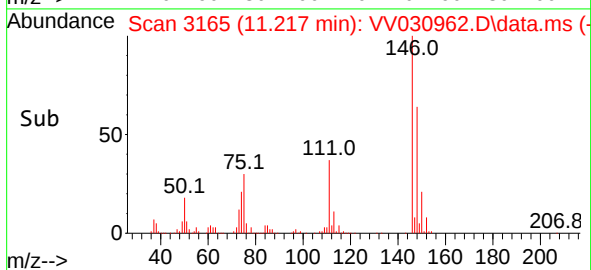
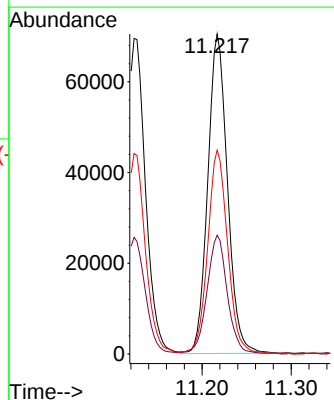
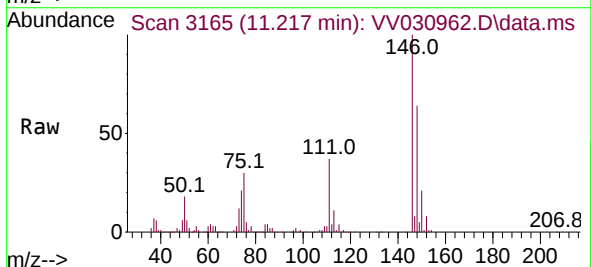
Instrument :
MSVOA_V
ClientSampleId :
HOA37MS

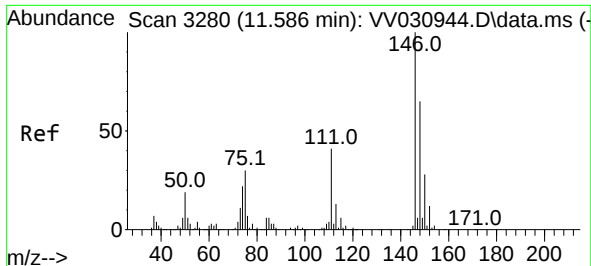
Tgt Ion:146 Resp: 107659
Ion Ratio Lower Upper
146 100
111 36.9 26.5 49.3
148 63.5 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 4.832 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

Tgt Ion:146 Resp: 107978
Ion Ratio Lower Upper
146 100
111 37.1 23.9 44.5
148 63.7 42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 4.938 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV030962.D

Acq: 01 May 2023 17:52

Instrument :

MSVOA_V

ClientSampleId :

HOA37MS

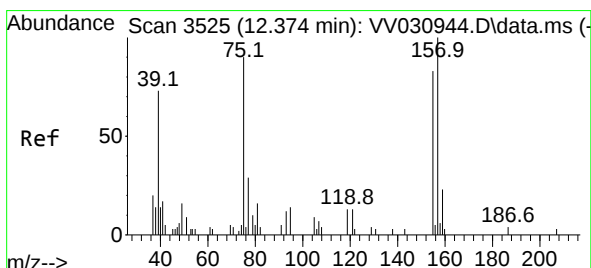
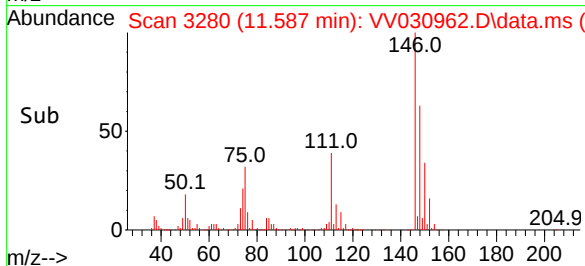
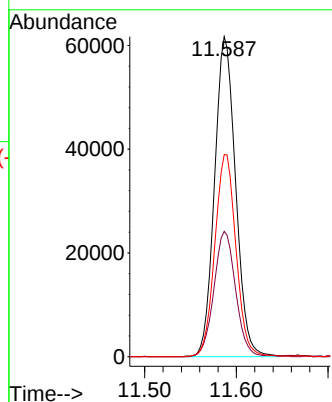
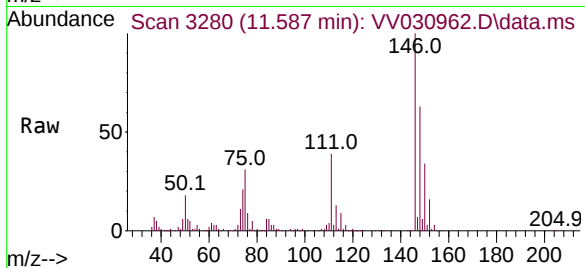
Tgt Ion:146 Resp: 98352

Ion Ratio Lower Upper

146 100

111 39.2 34.0 51.0

148 63.2 53.8 80.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.751 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.000 min

Lab File: VV030962.D

Acq: 01 May 2023 17:52

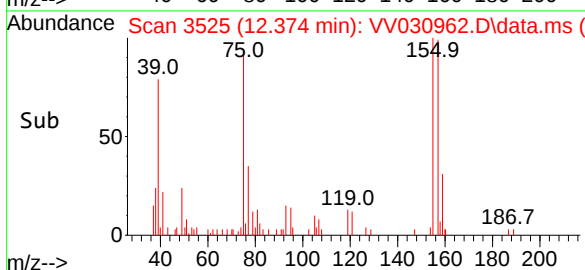
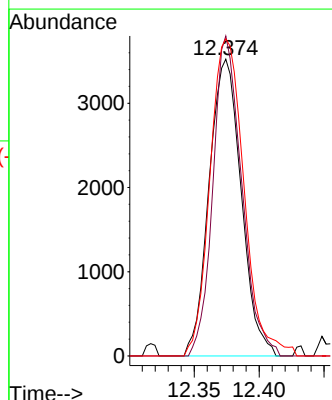
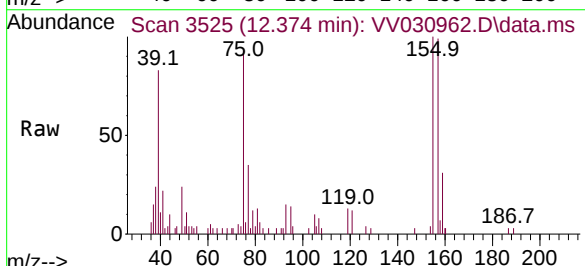
Tgt Ion: 75 Resp: 6060

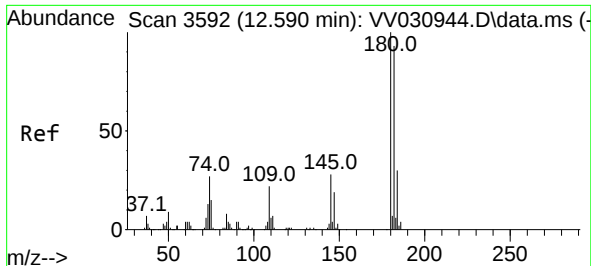
Ion Ratio Lower Upper

75 100

155 107.8 56.2 84.4#

157 106.9 83.1 124.7





#69

1,3,5-Trichlorobenzene

Concen: 4.776 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV030962.D

Acq: 01 May 2023 17:52

Instrument :

MSVOA_V

ClientSampleId :

HOA37MS

Tgt Ion:180 Resp: 83758

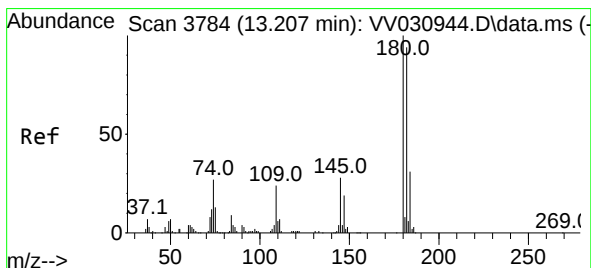
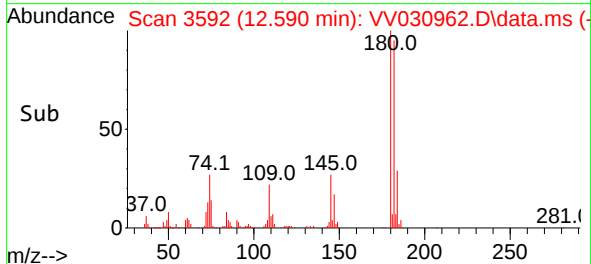
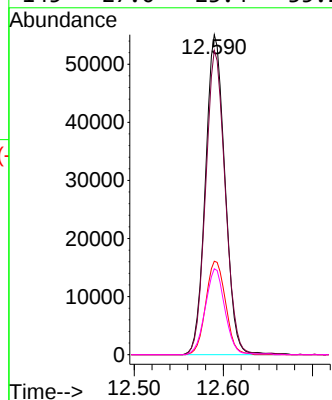
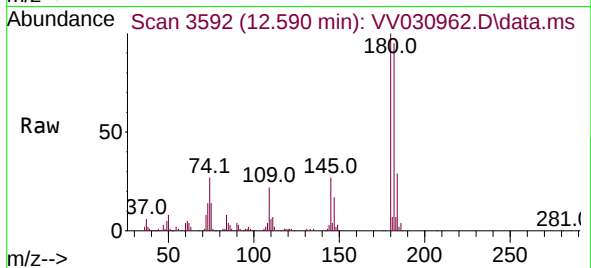
Ion Ratio Lower Upper

180 100

182 95.2 75.1 112.7

184 29.5 24.1 36.1

145 27.0 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 4.795 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV030962.D

Acq: 01 May 2023 17:52

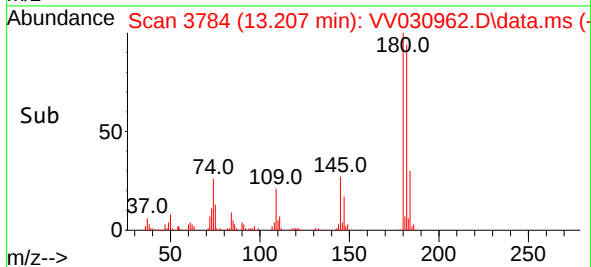
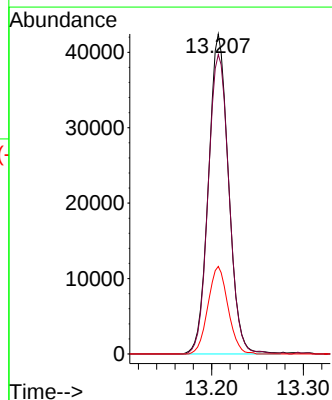
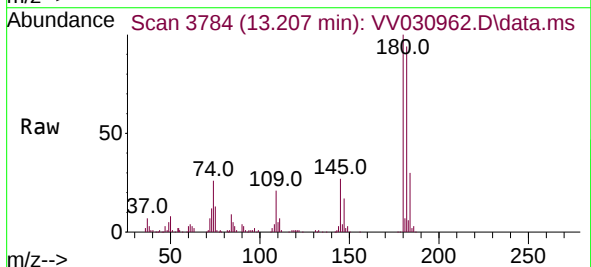
Tgt Ion:180 Resp: 64629

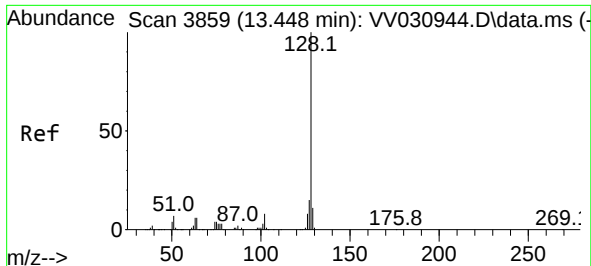
Ion Ratio Lower Upper

180 100

182 96.7 76.0 114.0

145 27.2 22.9 34.3

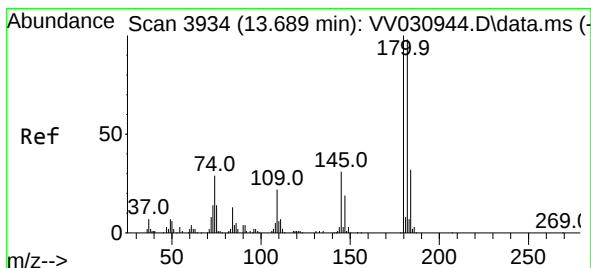
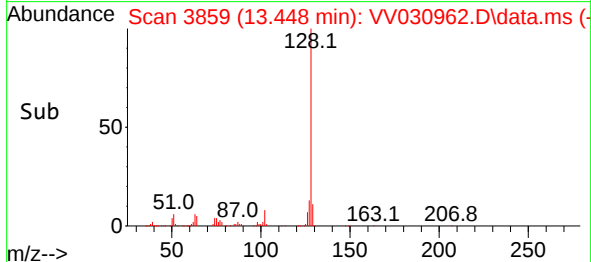
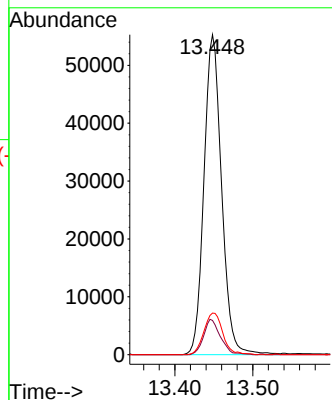
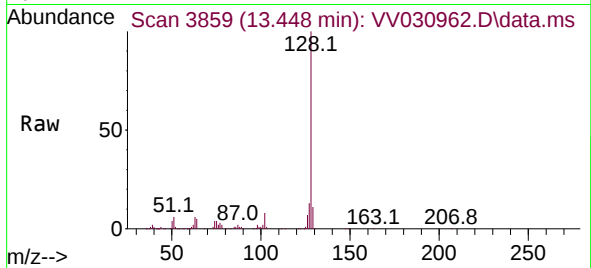




#71
Naphthalene
Concen: 4.495 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.003 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

Instrument :
MSVOA_V
ClientSampleId :
HOA37MS

Tgt Ion:128 Resp: 86863
Ion Ratio Lower Upper
128 100
129 10.5 8.6 13.0
127 13.9 10.6 16.0



#72
1,2,3-Trichlorobenzene
Concen: 4.973 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. 0.000 min
Lab File: VV030962.D
Acq: 01 May 2023 17:52

Tgt Ion:180 Resp: 56737
Ion Ratio Lower Upper
180 100
182 92.9 77.3 115.9
145 29.8 24.7 37.1

