

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022024\
 Data File : VW034302.D
 Acq On : 21 Feb 2024 04:44
 Operator : SY/MD
 Sample : P1511-02MS
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 21 05:42:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 21 04:37:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	75374	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	69969	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	34164	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	22976	3.936	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.800%
7) Chloroethane-d5	1.535	69	20169	3.945	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.800%
11) 1,1-Dichloroethene-d2	2.060	65	11050	3.925	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.600%
20) 2-Butanone-d5	3.799	46	43262	44.127	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.260%
24) Chloroform-d	4.249	84	50086	4.722	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	4.944	65	23286	4.697	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
32) Benzene-d6	4.963	84	90469	4.310	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
36) 1,2-Dichloropropane-d6	5.989	67	24498	4.175	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.400%
41) Toluene-d8	7.243	98	84897	4.400	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
43) trans-1,3-Dichloroprop...	7.558	79	7633	3.445	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.800%
46) 2-Hexanone-d5	8.027	63	32054	40.524	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.040%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	15793	4.439	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.800%
66) 1,2-Dichlorobenzene-d4	11.561	152	28520	4.590	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	27567	3.991	ug/L	99
3) Chloromethane	1.217	50	31380	4.165	ug/L	99
5) Vinyl chloride	1.285	62	31759	4.411	ug/L #	1
6) Bromomethane	1.490	94	14264	3.762	ug/L	95
8) Chloroethane	1.552	64	25033	5.097	ug/L	92
9) Trichlorofluoromethane	1.716	101	54227	5.227	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	27887	5.142	ug/L	98
12) 1,1-Dichloroethene	2.072	96	27124	5.151	ug/L	90
13) Acetone	2.130	43	35544	47.788	ug/L #	37
14) Carbon disulfide	2.243	76	77087	4.525	ug/L	99
15) Methyl Acetate	2.384	43	6227	3.538	ug/L	95
16) Methylene chloride	2.449	84	25925	5.131	ug/L	96
17) Methyl tert-butyl Ether	2.706	73	53173	4.915	ug/L	97
18) trans-1,2-Dichloroethene	2.696	96	26995	5.033	ug/L	100
19) 1,1-Dichloroethane	3.111	63	50102	5.084	ug/L	95
21) 2-Butanone	3.886	43	43504	44.261	ug/L #	48
22) cis-1,2-Dichloroethene	3.818	96	28616	4.703	ug/L	95
23) Bromochloromethane	4.153	128	11057	5.227	ug/L	92
25) Chloroform	4.278	83	51082	5.128	ug/L	96

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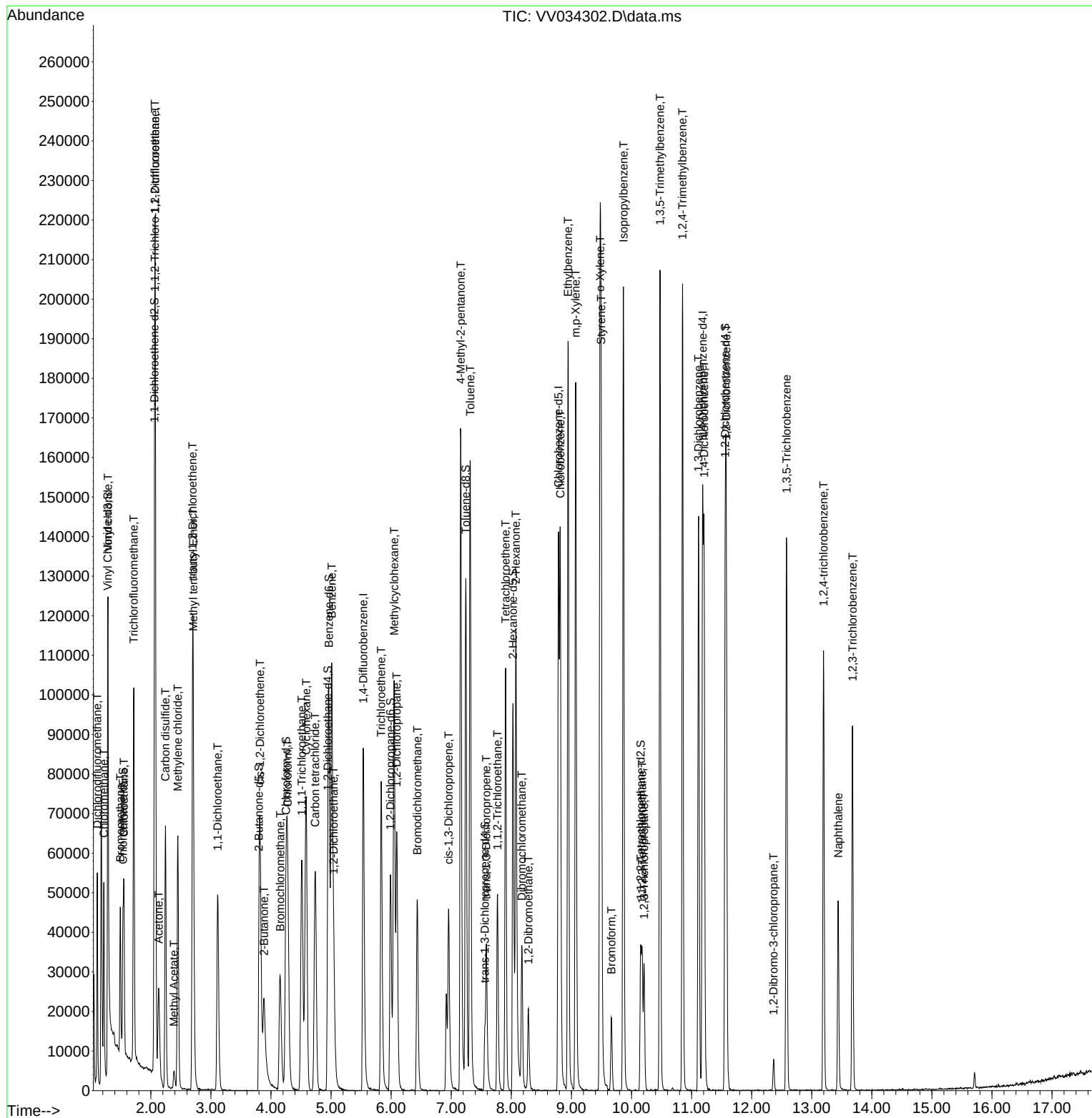
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	29696	5.206	ug/L	97
29) 1,1,1-Trichloroethane	4.513	97	48848	5.200	ug/L	98
30) Cyclohexane	4.587	56	41813	4.577	ug/L	95
31) Carbon tetrachloride	4.735	117	43611	5.306	ug/L	100
33) Benzene	5.011	78	106950	5.096	ug/L	100
34) Trichloroethene	5.834	95	27278	4.491	ug/L	96
35) Methylcyclohexane	6.050	83	43712	4.585	ug/L	98
37) 1,2-Dichloropropane	6.092	63	24283	4.777	ug/L	99
38) Bromodichloromethane	6.436	83	32847	4.922	ug/L	97
39) cis-1,3-Dichloropropene	6.956	75	28039	3.625	ug/L	97
40) 4-Methyl-2-pentanone	7.156	43	112601	46.256	ug/L	99
42) Toluene	7.317	91	117021	5.217	ug/L	95
44) trans-1,3-Dichloropropene	7.583	75	21815	3.673	ug/L	98
45) 1,1,2-Trichloroethane	7.770	97	15278	4.867	ug/L	96
47) Tetrachloroethene	7.905	164	22807	4.621	ug/L	93
48) 2-Hexanone	8.075	43	78356	45.665	ug/L	99
49) Dibromochloromethane	8.175	129	17669	4.737	ug/L	99
50) 1,2-Dibromoethane	8.284	107	13550	4.809	ug/L	96
51) Chlorobenzene	8.815	112	71668	5.054	ug/L	99
52) Ethylbenzene	8.944	91	129984	5.035	ug/L	100
53) m,p-Xylene	9.072	106	49023	5.025	ug/L	96
54) o-Xylene	9.477	106	48241	5.128	ug/L	100
55) Styrene	9.497	104	71792	4.766	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	15880	4.793	ug/L	98
59) Bromoform	9.667	173	8249	4.383	ug/L	97
60) Isopropylbenzene	9.866	105	126093	4.988	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	11611	4.944	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	108909	5.096	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	106823	5.144	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	55917	5.073	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	53263	4.880	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	48185	5.090	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	2320	4.713	ug/L #	85
69) 1,3,5-Trichlorobenzene	12.580	180	40541	4.753	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	32193	4.835	ug/L	99
71) Naphthalene	13.442	128	38072	4.363	ug/L	98
72) 1,2,3-Trichlorobenzene	13.680	180	25984	4.870	ug/L	98

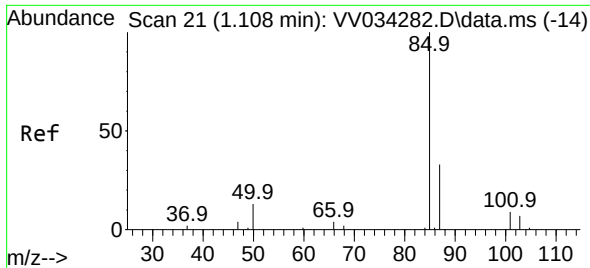
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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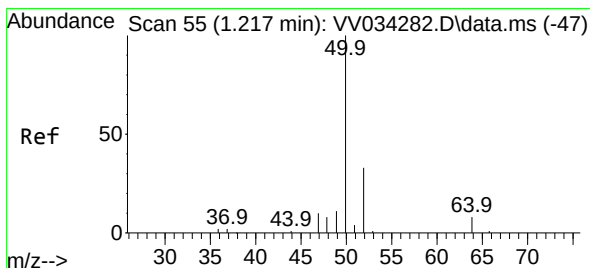
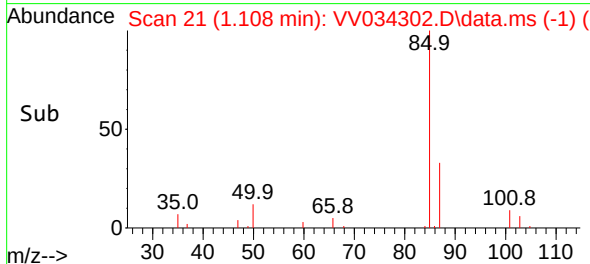
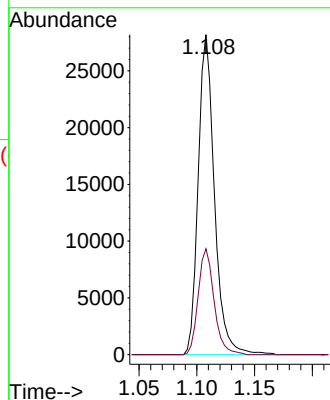
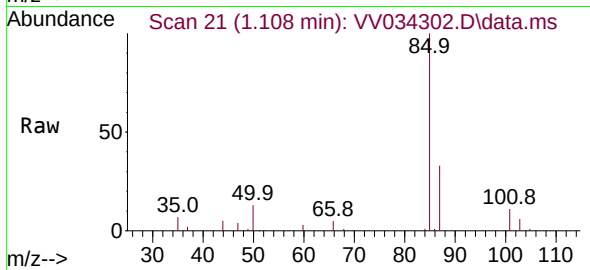




#2
Dichlorodifluoromethane
Concen: 3.991 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

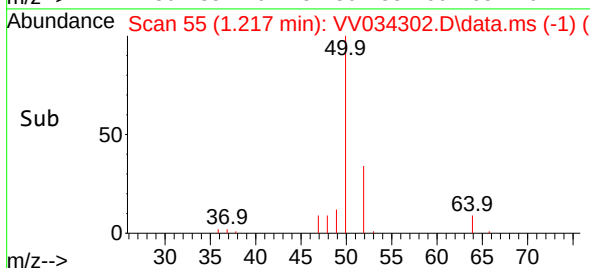
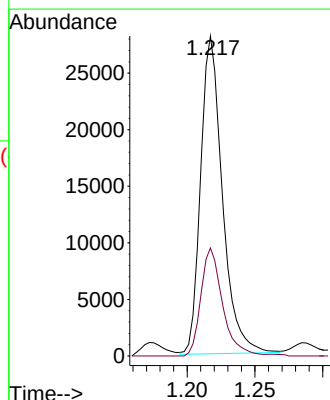
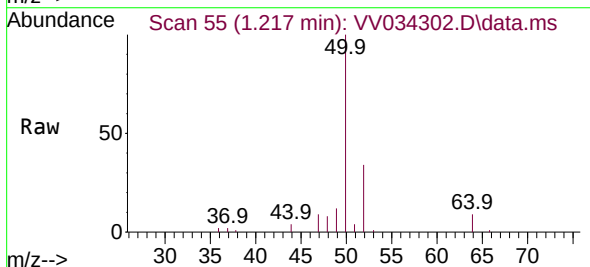
Instrument :
MSVOA_V
ClientSampleId :

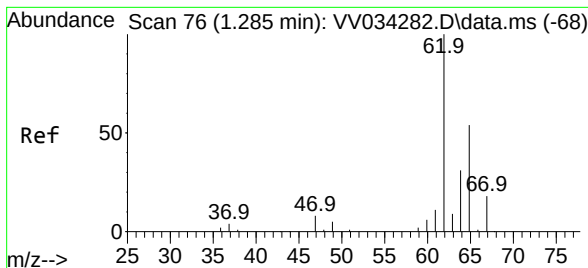
Tgt Ion: 85 Resp: 27567
Ion Ratio Lower Upper
85 100
87 32.4 26.2 39.4



#3
Chloromethane
Concen: 4.165 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

Tgt Ion: 50 Resp: 31380
Ion Ratio Lower Upper
50 100
52 33.7 23.4 43.4

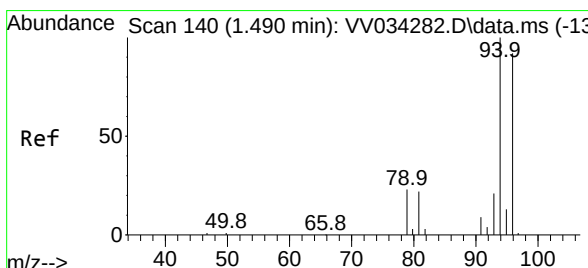
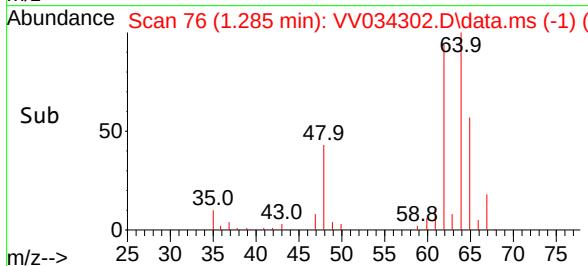
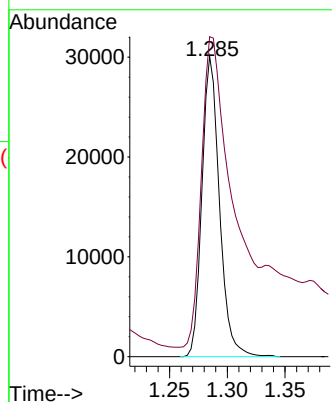
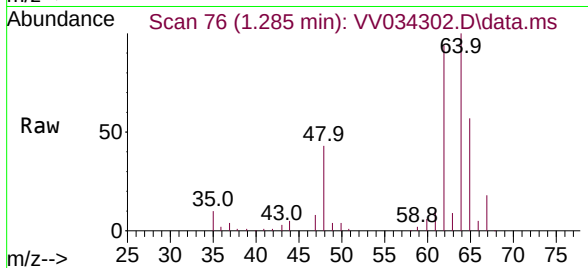




#5
 Vinyl chloride
 Concen: 4.411 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV034302.D
 Acq: 21 Feb 2024 04:44

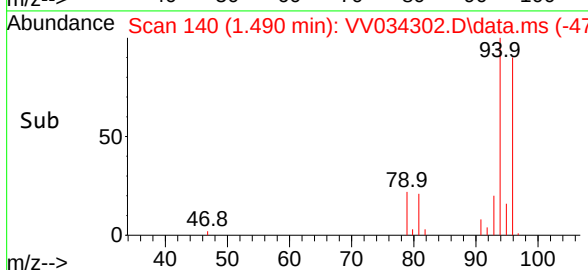
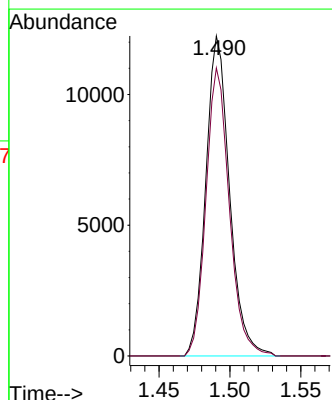
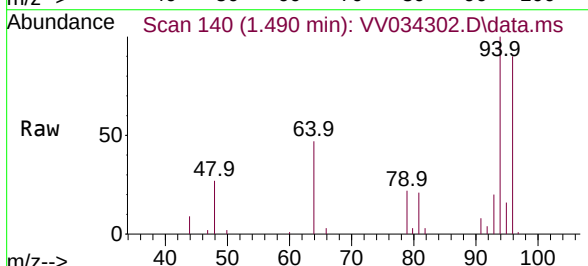
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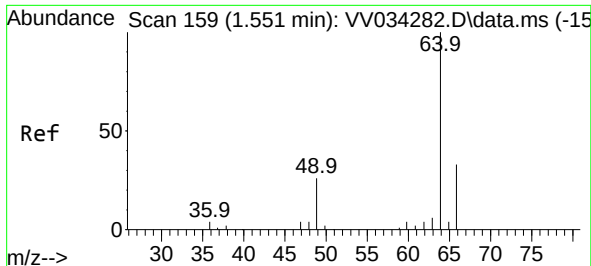
Tgt Ion: 62 Resp: 31759
 Ion Ratio Lower Upper
 62 100
 64 106.6 27.2 50.4#



#6
 Bromomethane
 Concen: 3.762 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV034302.D
 Acq: 21 Feb 2024 04:44

Tgt Ion: 94 Resp: 14264
 Ion Ratio Lower Upper
 94 100
 96 90.0 66.6 123.8

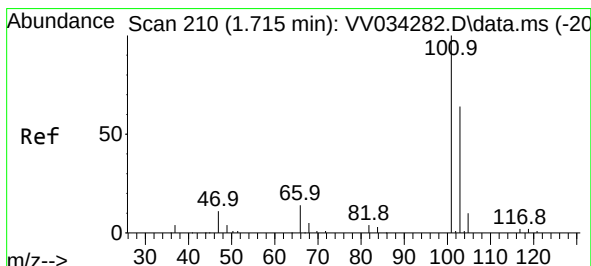
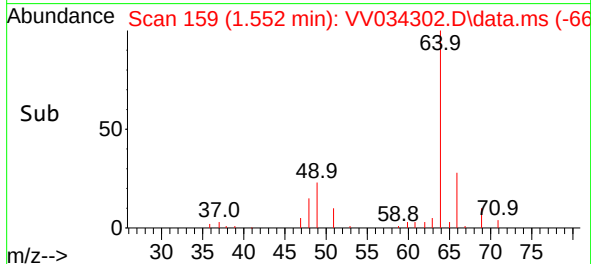
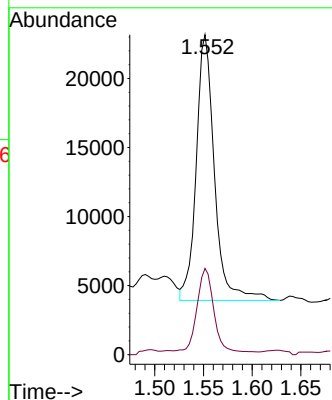
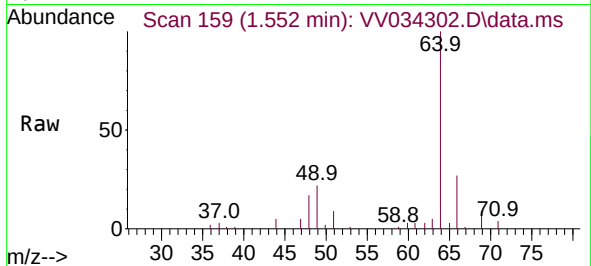




#8
Chloroethane
Concen: 5.097 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

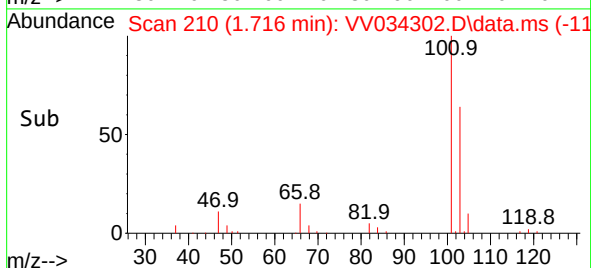
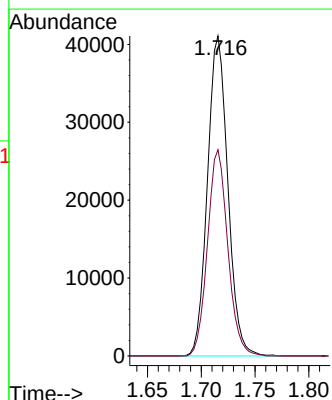
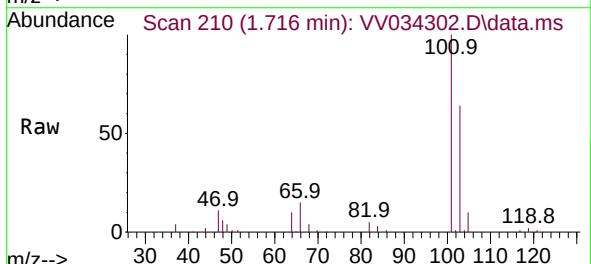
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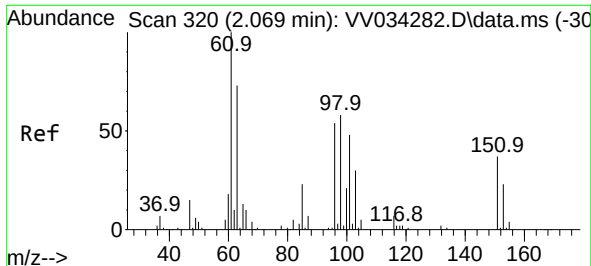
Tgt Ion: 64 Resp: 25033
Ion Ratio Lower Upper
64 100
66 27.0 22.0 41.0



#9
Trichlorofluoromethane
Concen: 5.227 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

Tgt Ion:101 Resp: 54227
Ion Ratio Lower Upper
101 100
103 64.2 51.0 76.4

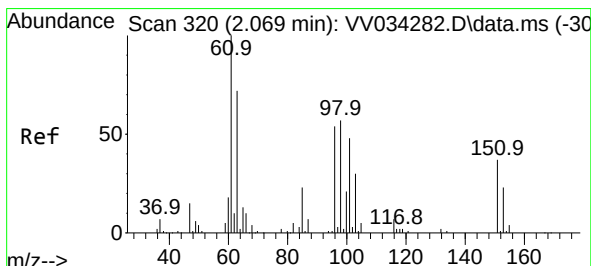
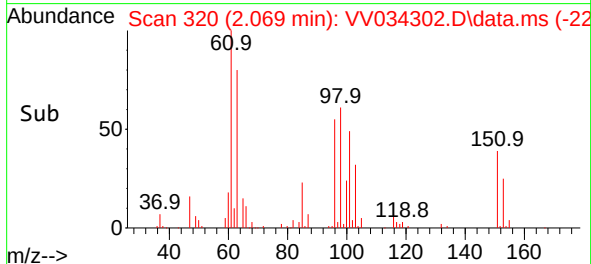
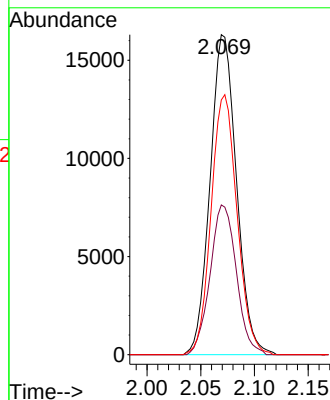
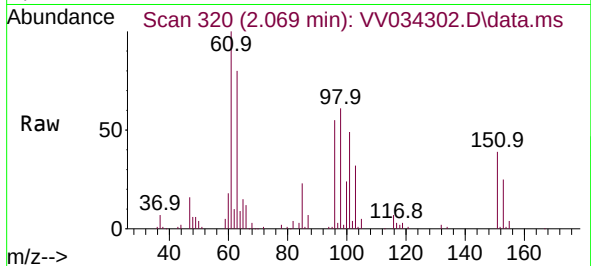




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.142 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV034302.D
 Acq: 21 Feb 2024 04:44

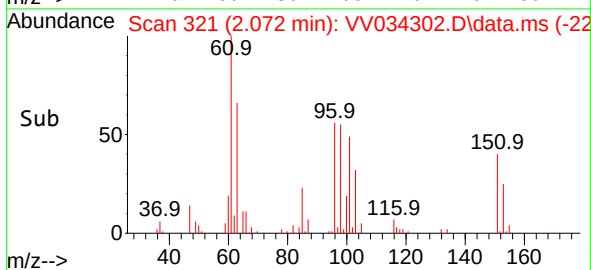
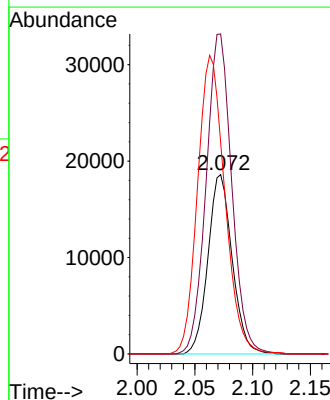
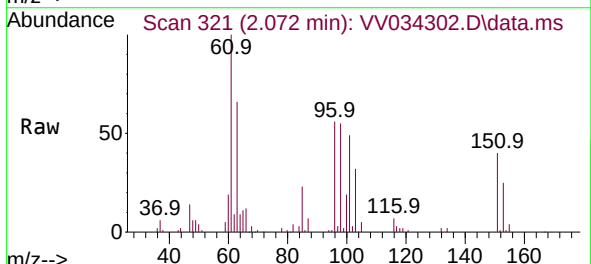
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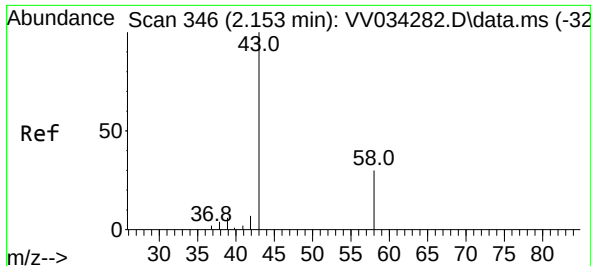
Tgt Ion:	101	Resp:	27887
Ion	Ratio	Lower	Upper
101	100		
85	46.5	37.1	55.7
151	79.9	61.7	92.5



#12
 1,1-Dichloroethene
 Concen: 5.151 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.003 min
 Lab File: VV034302.D
 Acq: 21 Feb 2024 04:44

Tgt Ion:	96	Resp:	27124
Ion	Ratio	Lower	Upper
96	100		
61	178.5	128.8	239.2
63	117.8	97.9	181.9





#13

Acetone

Concen: 47.788 ug/L

RT: 2.130 min Scan# 31

Delta R.T. -0.022 min

Lab File: VV034302.D

Acq: 21 Feb 2024 04:44

Instrument :

MSVOA_V

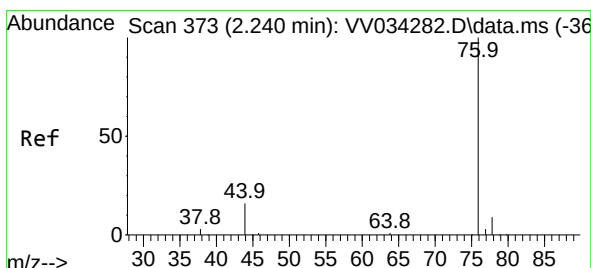
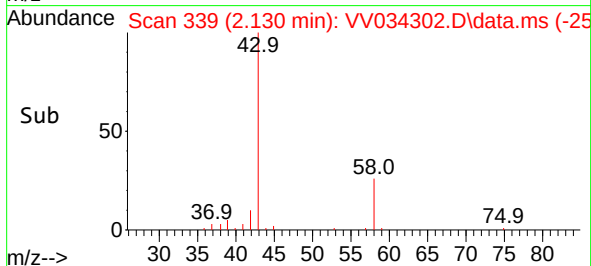
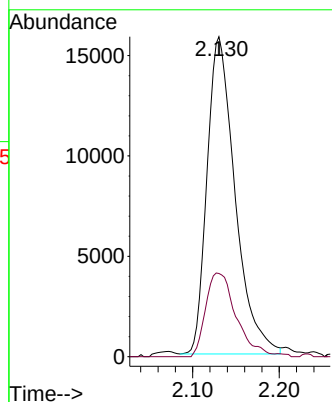
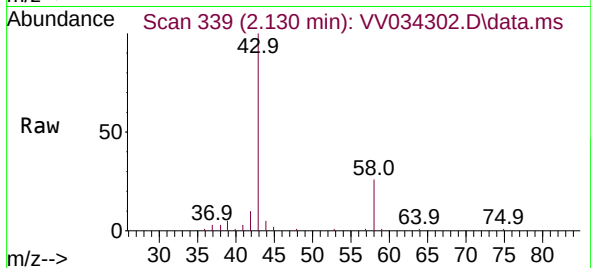
ClientSampleId :

Tgt Ion: 43 Resp: 35544

Ion Ratio Lower Upper

43 100

58 28.5 0.0 13.8#



#14

Carbon disulfide

Concen: 4.525 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

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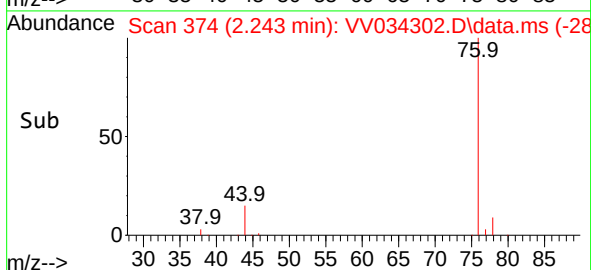
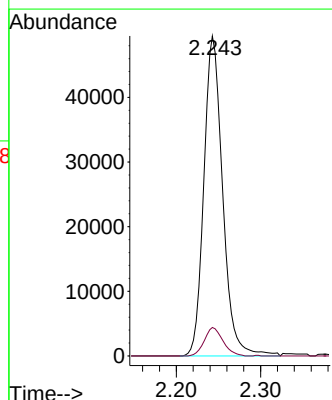
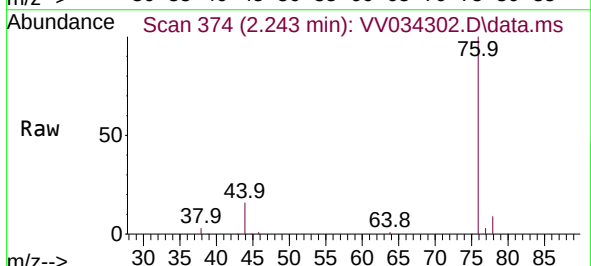
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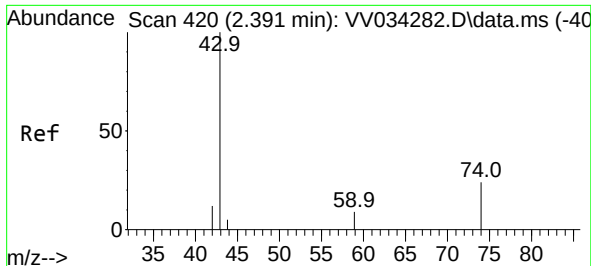
Tgt Ion: 76 Resp: 77087

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3

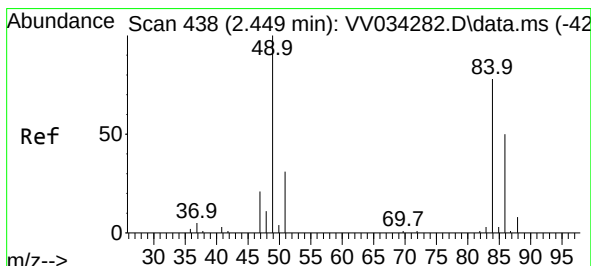
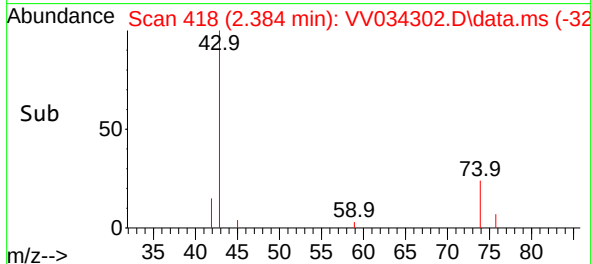
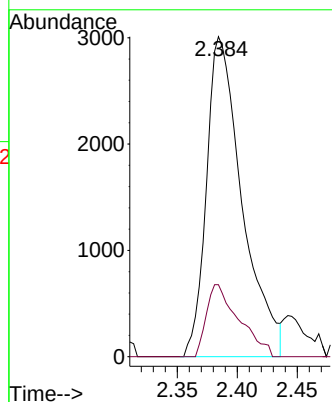
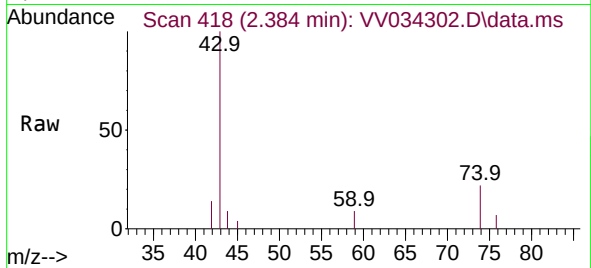




#15
Methyl Acetate
Concen: 3.538 ug/L
RT: 2.384 min Scan# 418
Delta R.T. -0.006 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

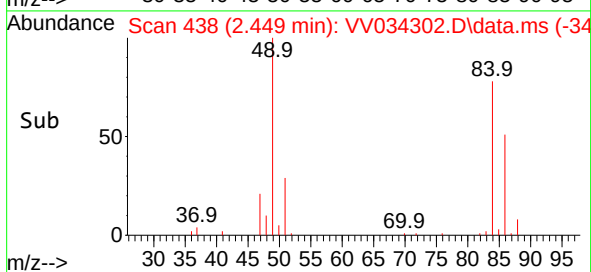
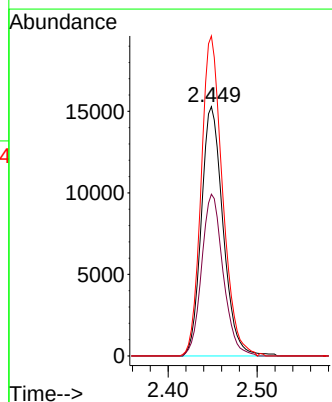
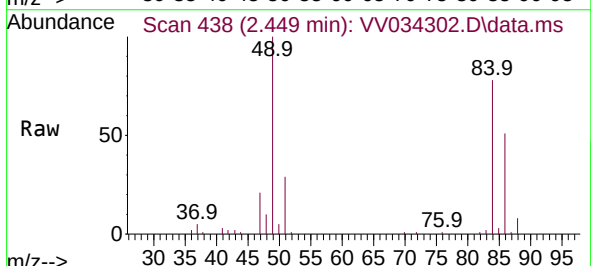
Instrument :
MSVOA_V
ClientSampleId :

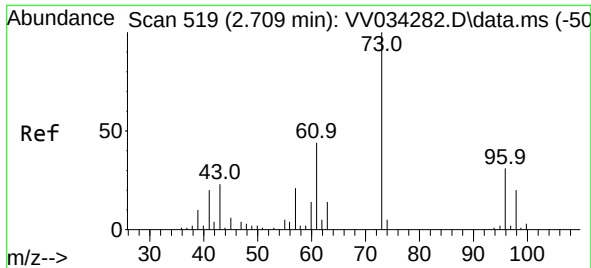
Tgt Ion: 43 Resp: 6227
Ion Ratio Lower Upper
43 100
74 20.5 18.2 27.4



#16
Methylene chloride
Concen: 5.131 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

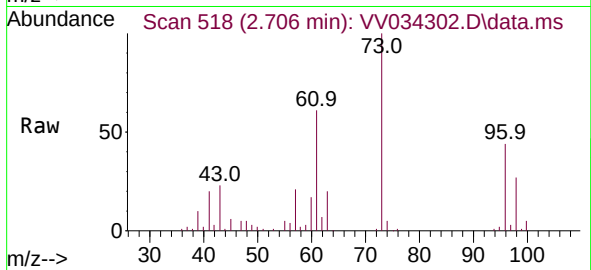
Tgt Ion: 84 Resp: 25925
Ion Ratio Lower Upper
84 100
86 64.9 44.7 83.1
49 128.3 93.7 173.9



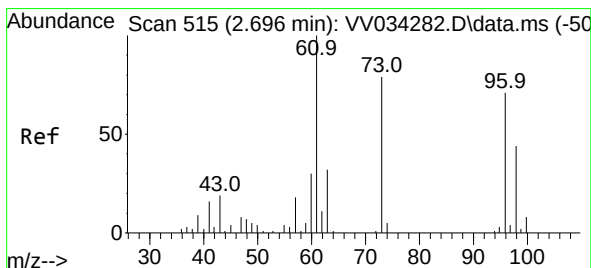
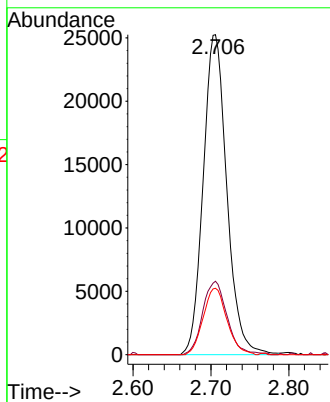
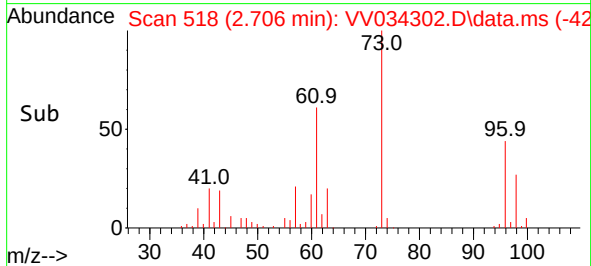


#17
Methyl tert-butyl Ether
Concen: 4.915 ug/L
RT: 2.706 min Scan# 519
Delta R.T. -0.003 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

Instrument :
MSVOA_V
ClientSampleId :

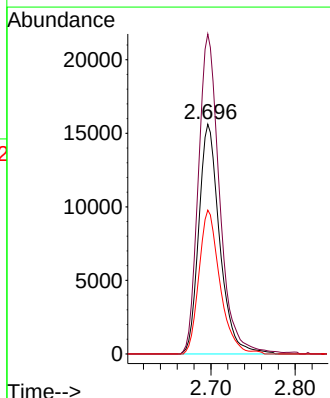
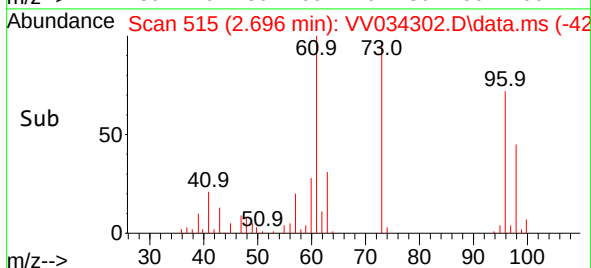
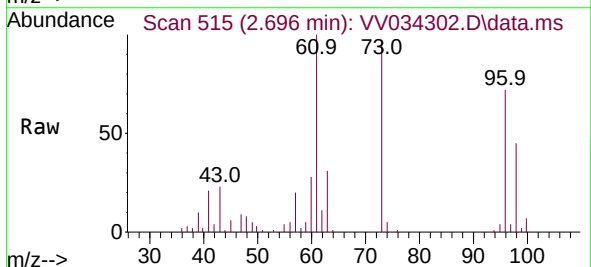


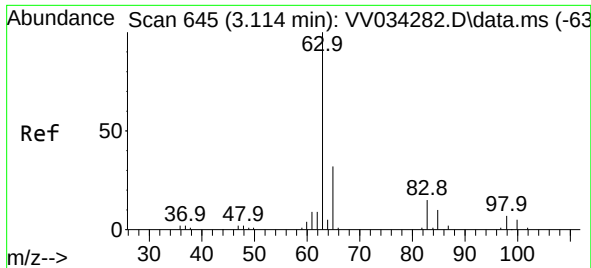
Tgt Ion: 73 Resp: 53173
Ion Ratio Lower Upper
73 100
43 23.8 17.7 26.5
57 20.9 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 5.033 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

Tgt Ion: 96 Resp: 26995
Ion Ratio Lower Upper
96 100
61 139.3 97.6 181.4
98 62.6 44.4 82.5





#19

1,1-Dichloroethane

Concen: 5.084 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV034302.D

Acq: 21 Feb 2024 04:44

Instrument :

MSVOA_V

ClientSampleId :

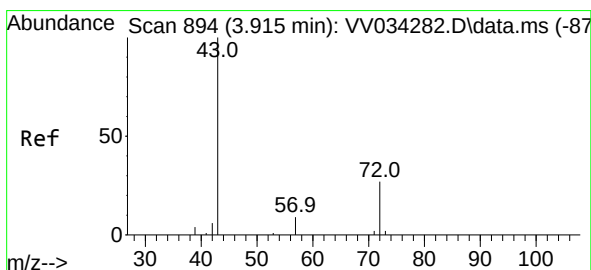
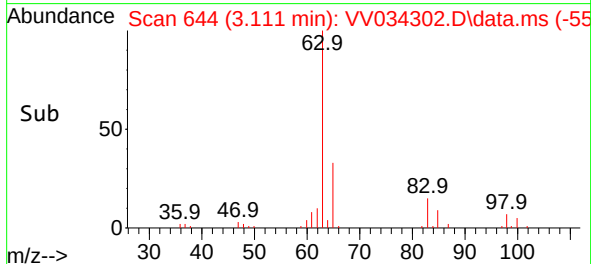
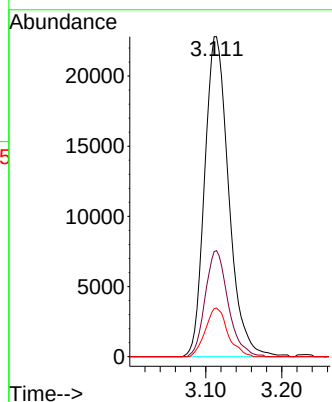
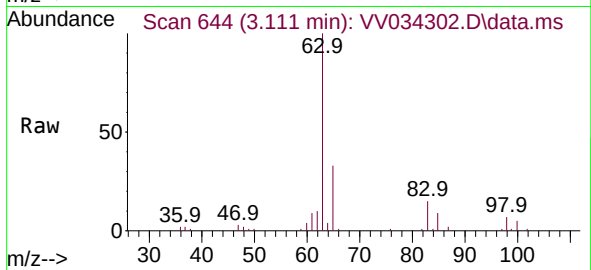
Tgt Ion: 63 Resp: 50102

Ion Ratio Lower Upper

63 100

65 32.8 20.8 38.6

83 15.0 9.4 17.4



#21

2-Butanone

Concen: 44.261 ug/L

RT: 3.886 min Scan# 885

Delta R.T. -0.029 min

Lab File: VV034302.D

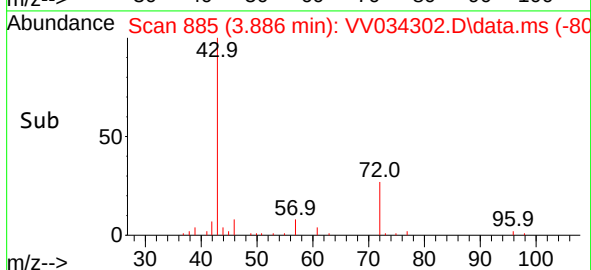
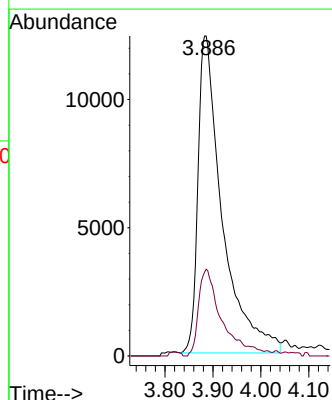
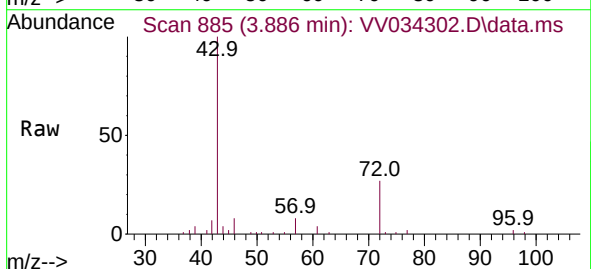
Acq: 21 Feb 2024 04:44

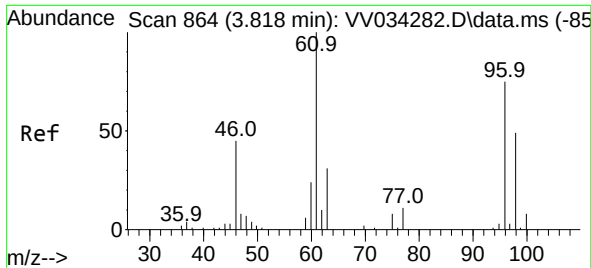
Tgt Ion: 43 Resp: 43504

Ion Ratio Lower Upper

43 100

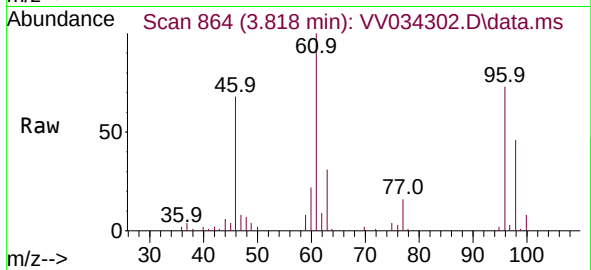
72 26.1 4.0 11.9#



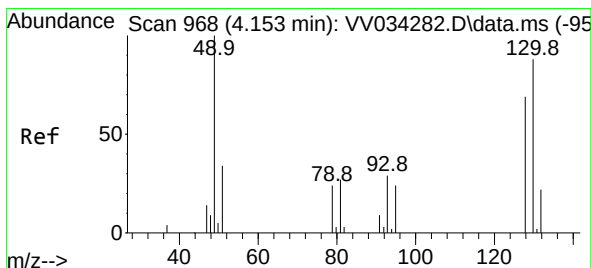
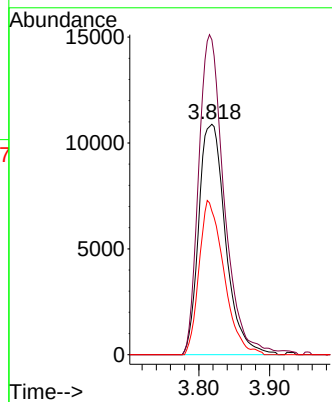
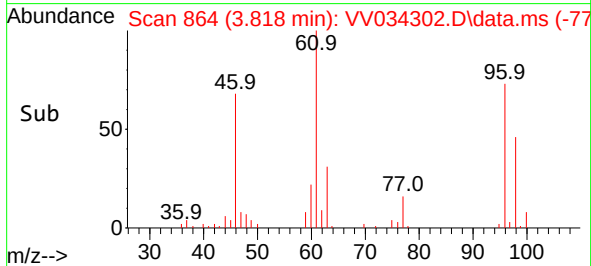


#22
 cis-1,2-Dichloroethene
 Concen: 4.703 ug/L
 RT: 3.818 min Scan# 864
 Delta R.T. 0.000 min
 Lab File: VV034302.D
 Acq: 21 Feb 2024 04:44

Instrument :
 MSVOA_V
 ClientSampleId :

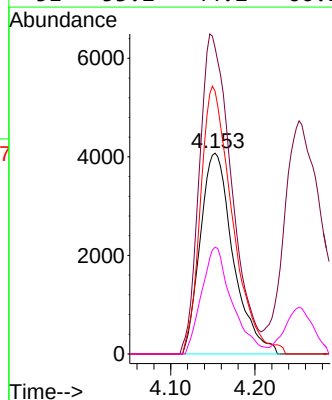
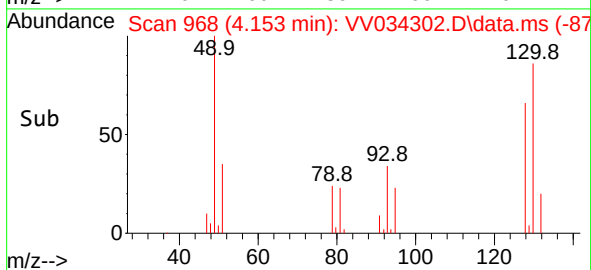
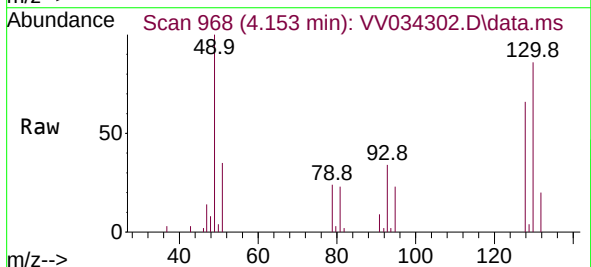


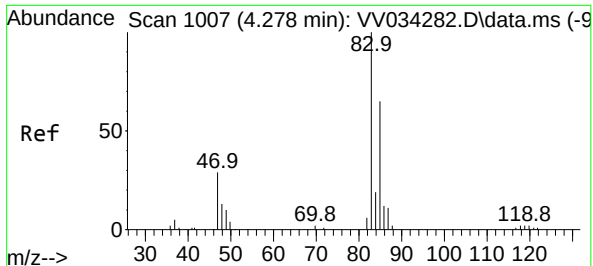
Tgt Ion: 96 Resp: 28616
 Ion Ratio Lower Upper
 96 100
 61 136.7 90.3 167.7
 98 62.3 43.2 80.2



#23
 Bromochloromethane
 Concen: 5.227 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. 0.000 min
 Lab File: VV034302.D
 Acq: 21 Feb 2024 04:44

Tgt Ion: 128 Resp: 11057
 Ion Ratio Lower Upper
 128 100
 49 152.5 120.5 223.7
 130 130.8 93.4 173.4
 51 53.2 44.2 66.2

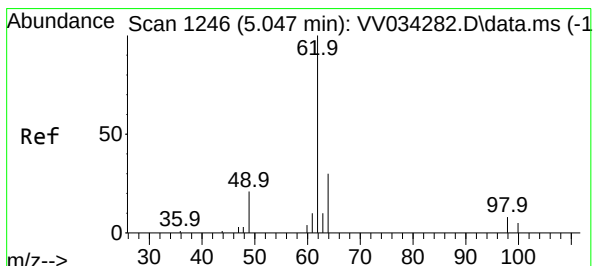
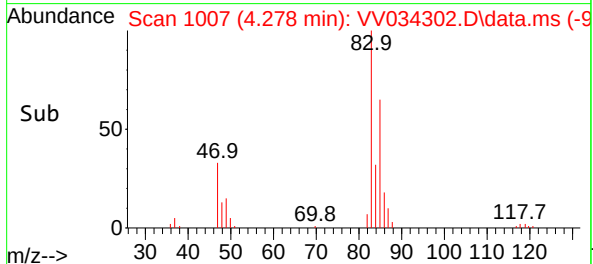
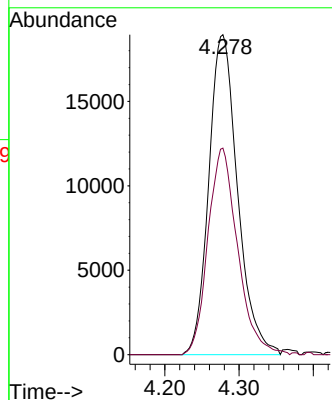
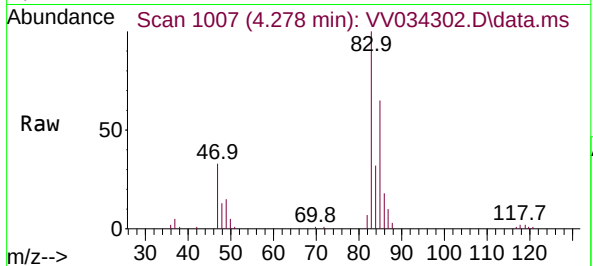




#25
Chloroform
Concen: 5.128 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. 0.000 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

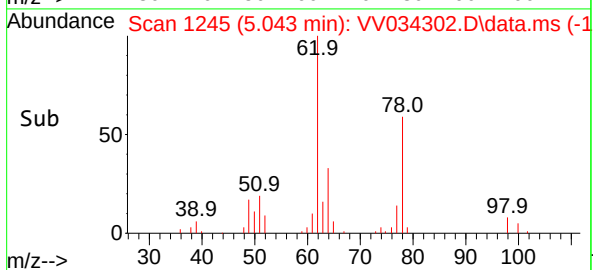
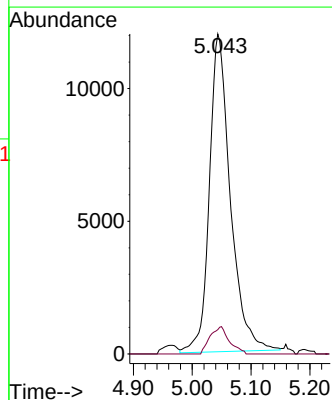
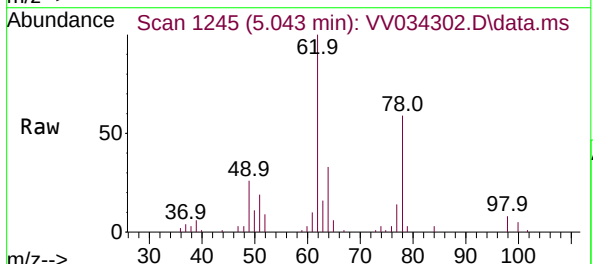
Instrument :
MSVOA_V
ClientSampleId :

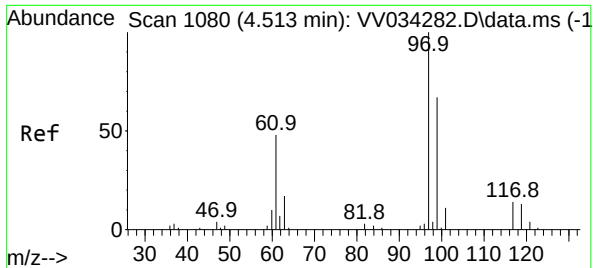
Tgt Ion: 83 Resp: 51082
Ion Ratio Lower Upper
83 100
85 64.5 47.5 88.1



#27
1,2-Dichloroethane
Concen: 5.206 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. -0.003 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

Tgt Ion: 62 Resp: 29696
Ion Ratio Lower Upper
62 100
98 7.6 6.9 10.3





#29

1,1,1-Trichloroethane

Concen: 5.200 ug/L

RT: 4.513 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV034302.D

Acq: 21 Feb 2024 04:44

Instrument :

MSVOA_V

ClientSampleId :

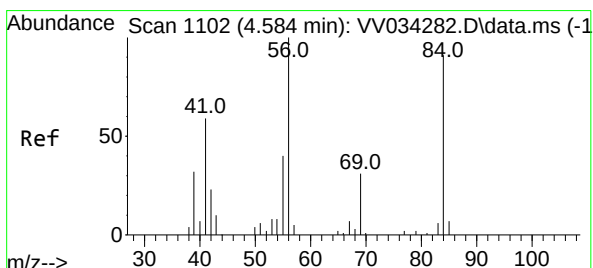
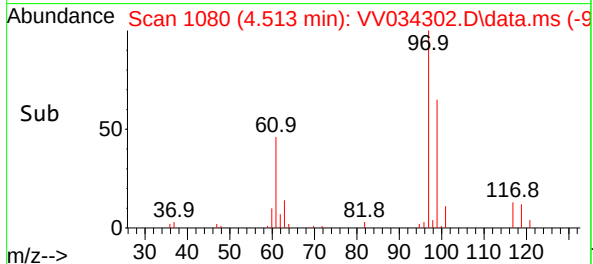
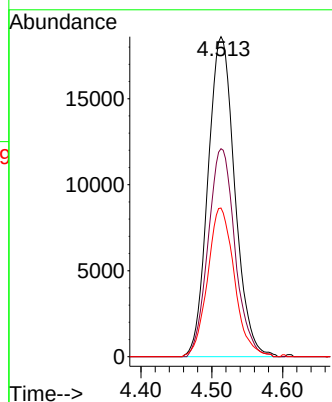
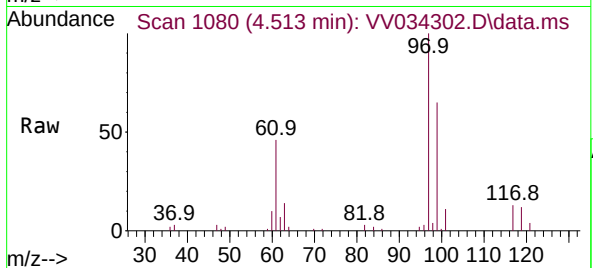
Tgt Ion: 97 Resp: 48848

Ion Ratio Lower Upper

97 100

99 65.2 50.6 75.8

61 46.5 36.8 55.2



#30

Cyclohexane

Concen: 4.577 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VV034302.D

Acq: 21 Feb 2024 04:44

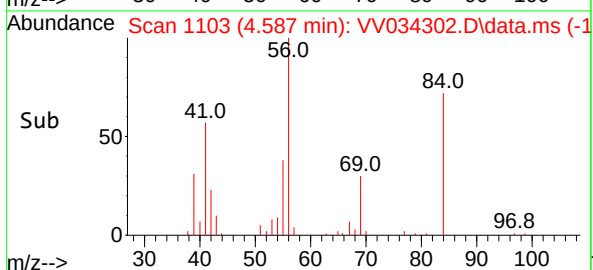
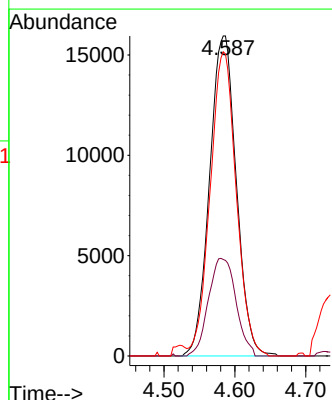
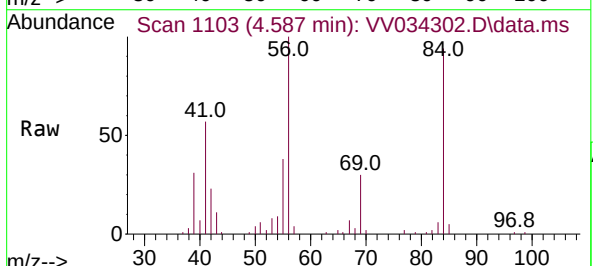
Tgt Ion: 56 Resp: 41813

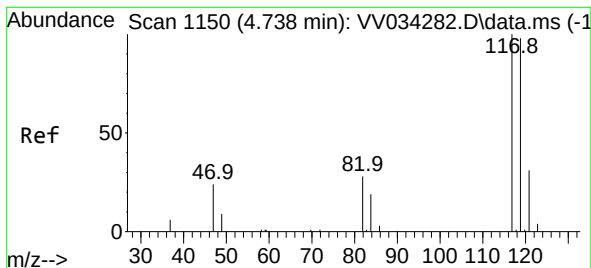
Ion Ratio Lower Upper

56 100

69 31.3 24.2 36.2

84 92.6 70.0 105.0





#31

Carbon tetrachloride

Concen: 5.306 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. -0.003 min

Lab File: VV034302.D

Acq: 21 Feb 2024 04:44

Instrument :

MSVOA_V

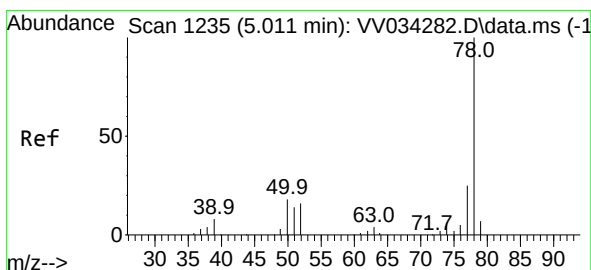
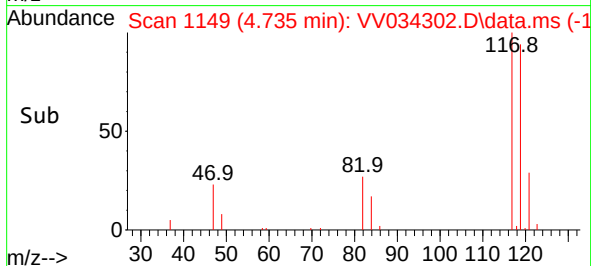
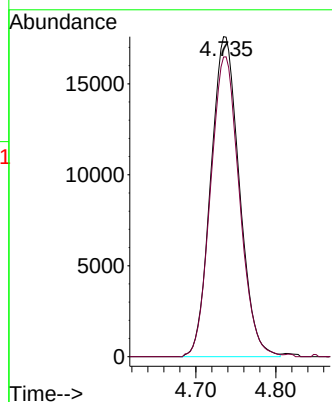
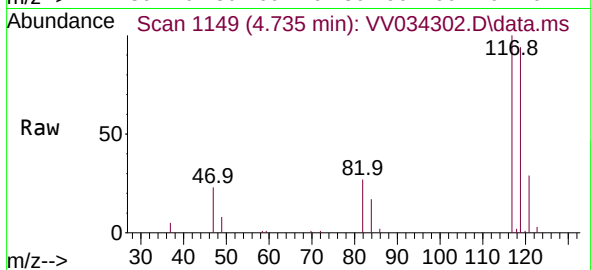
ClientSampleId :

Tgt Ion:117 Resp: 43611

Ion Ratio Lower Upper

117 100

119 94.7 76.1 114.1



#33

Benzene

Concen: 5.096 ug/L

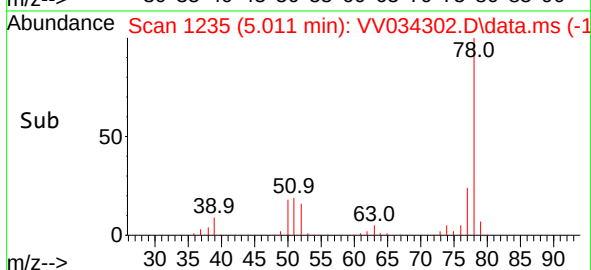
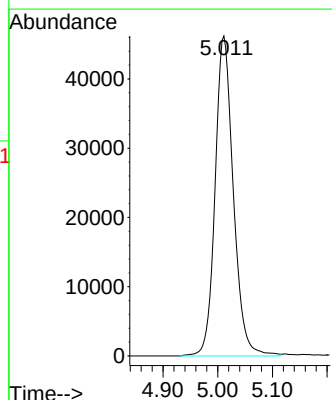
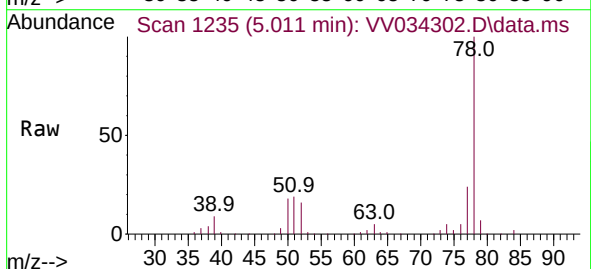
RT: 5.011 min Scan# 1235

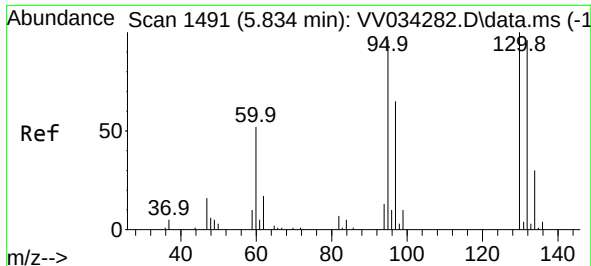
Delta R.T. 0.000 min

Lab File: VV034302.D

Acq: 21 Feb 2024 04:44

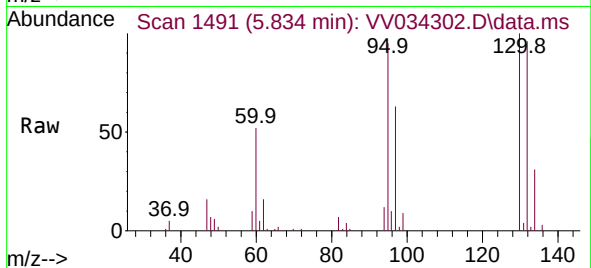
Tgt Ion: 78 Resp: 106950





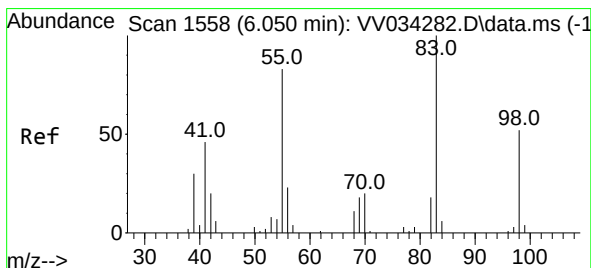
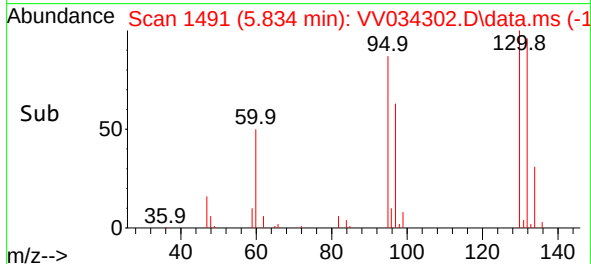
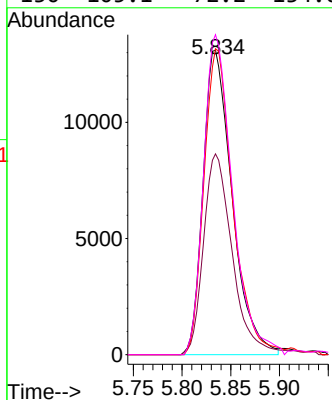
#34
Trichloroethene
Concen: 4.491 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 95 Resp: 27278

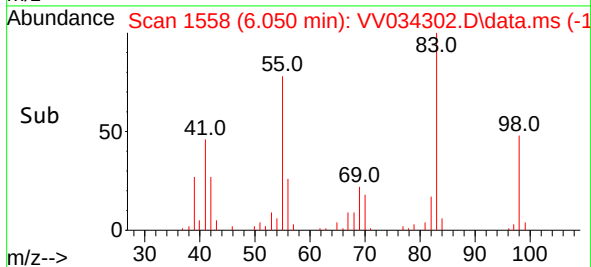
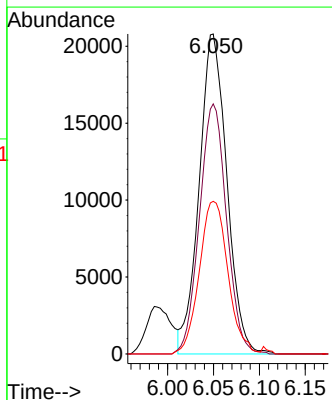
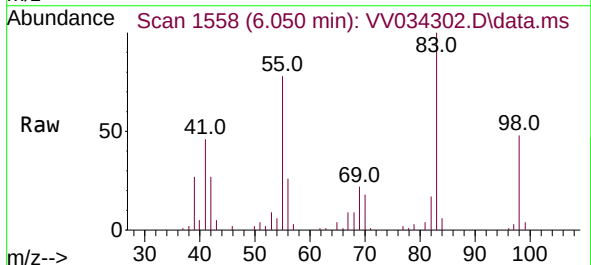
Ion	Ratio	Lower	Upper
95	100		
97	65.9	45.1	83.7
132	100.5	66.0	122.6
130	105.1	72.2	134.0

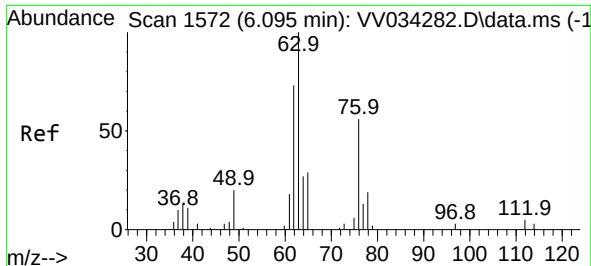


#35
Methylcyclohexane
Concen: 4.585 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.000 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

Tgt Ion: 83 Resp: 43712

Ion	Ratio	Lower	Upper
83	100		
55	76.5	63.5	95.3
98	49.4	39.0	58.4





#37

1,2-Dichloropropane

Concen: 4.777 ug/L

RT: 6.092 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV034302.D

Acq: 21 Feb 2024 04:44

Instrument :

MSVOA_V

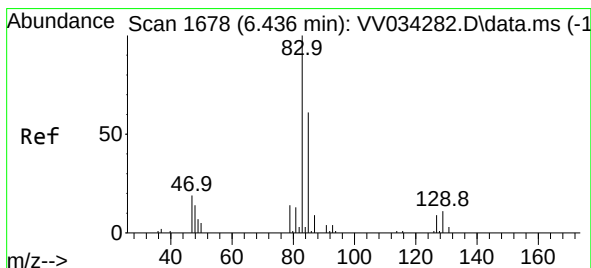
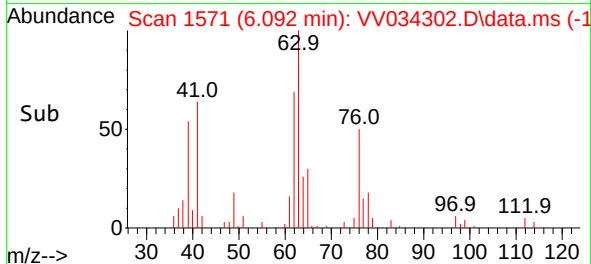
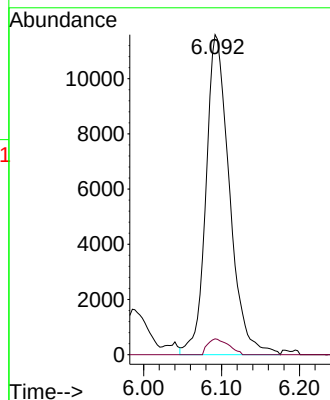
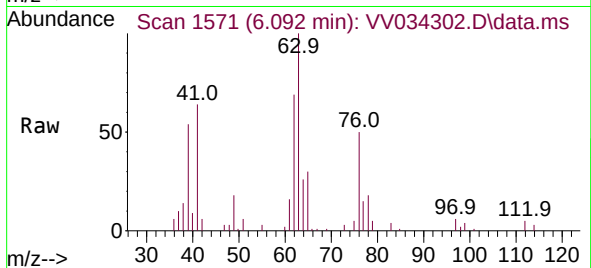
ClientSampleId :

Tgt Ion: 63 Resp: 24283

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.0



#38

Bromodichloromethane

Concen: 4.922 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VV034302.D

Acq: 21 Feb 2024 04:44

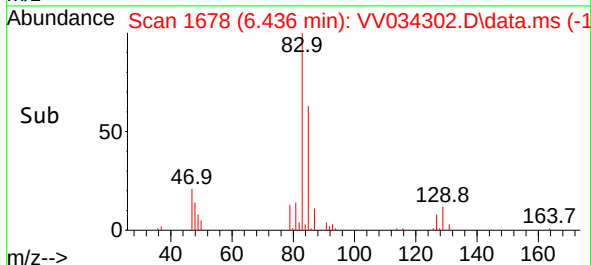
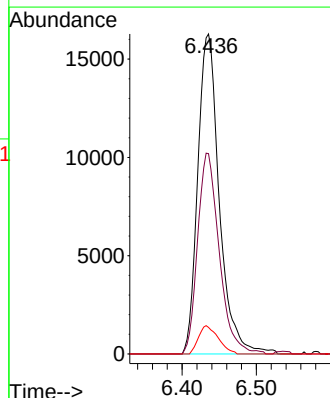
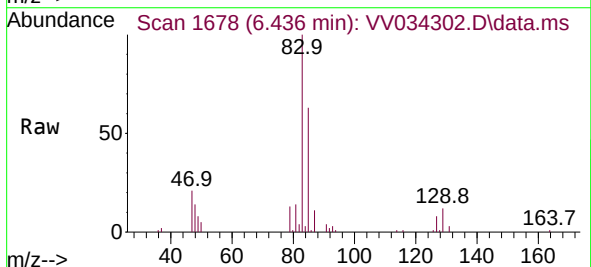
Tgt Ion: 83 Resp: 32847

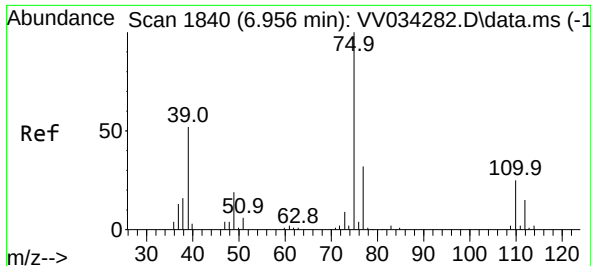
Ion Ratio Lower Upper

83 100

85 62.6 45.4 84.2

127 8.3 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 3.625 ug/L

RT: 6.956 min Scan# 1840

Delta R.T. 0.000 min

Lab File: VV034302.D

Acq: 21 Feb 2024 04:44

Instrument :

MSVOA_V

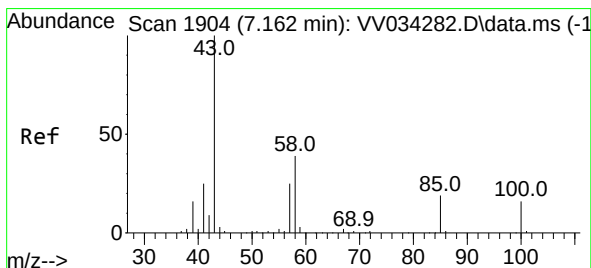
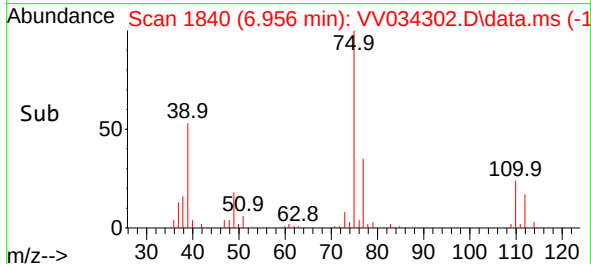
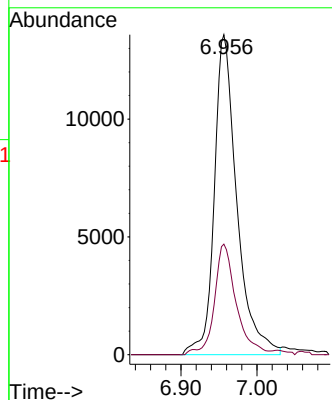
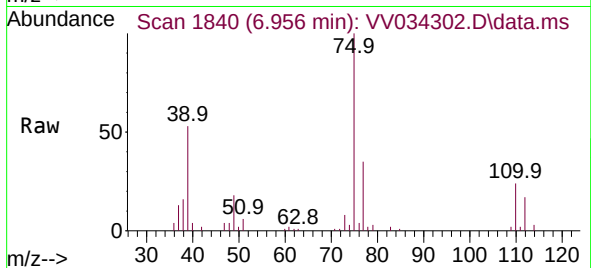
ClientSampleId :

Tgt Ion: 75 Resp: 28039

Ion Ratio Lower Upper

75 100

77 34.5 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 46.256 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.006 min

Lab File: VV034302.D

Acq: 21 Feb 2024 04:44

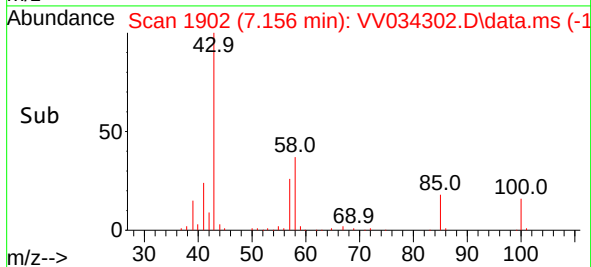
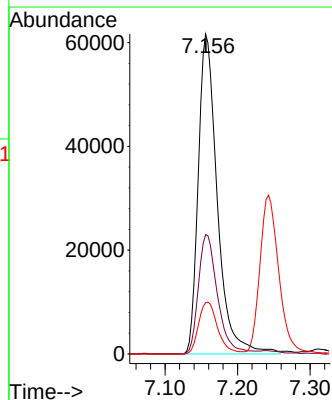
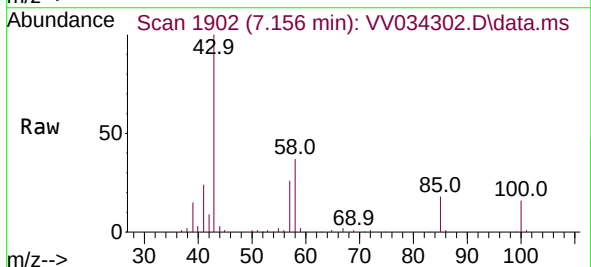
Tgt Ion: 43 Resp: 112601

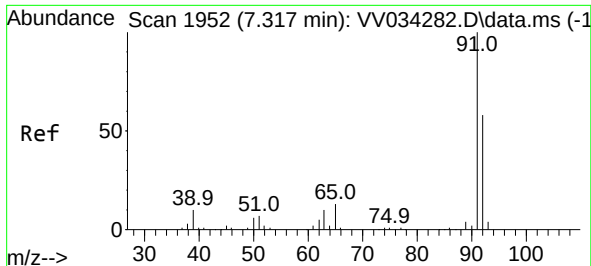
Ion Ratio Lower Upper

43 100

58 37.6 30.2 45.2

100 16.3 12.1 18.1





#42

Toluene

Concen: 5.217 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV034302.D

Acq: 21 Feb 2024 04:44

Instrument :

MSVOA_V

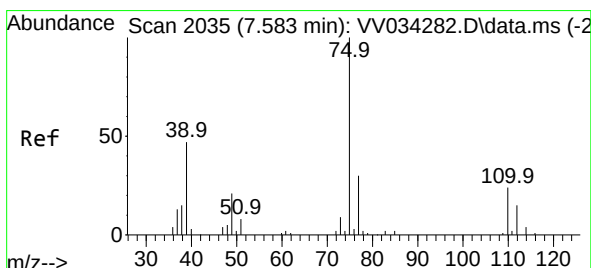
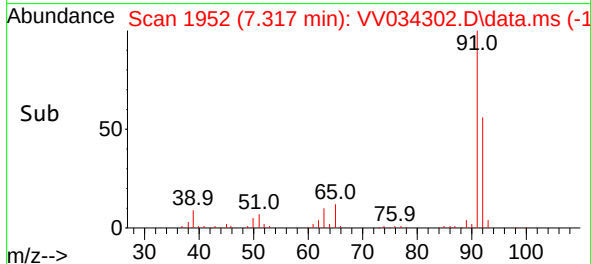
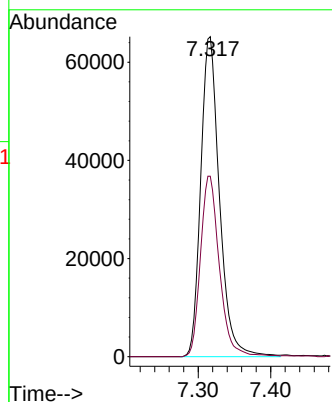
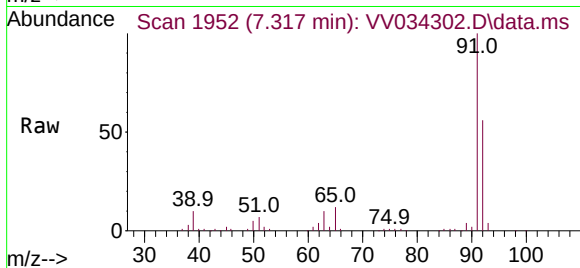
ClientSampleId :

Tgt Ion: 91 Resp: 117021

Ion Ratio Lower Upper

91 100

92 56.4 42.1 78.3



#44

trans-1,3-Dichloropropene

Concen: 3.673 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV034302.D

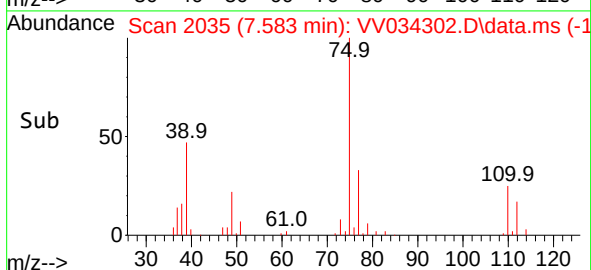
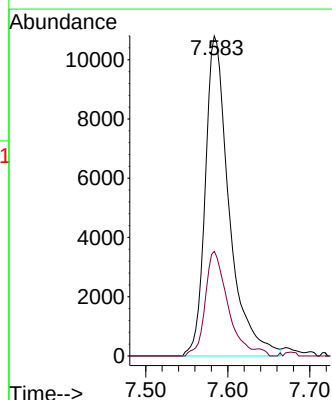
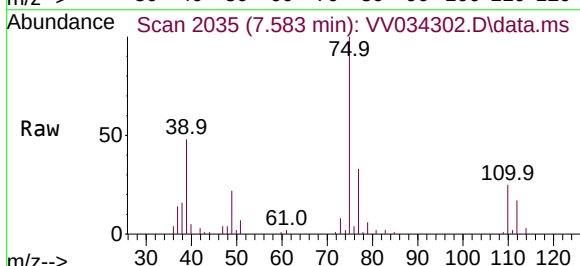
Acq: 21 Feb 2024 04:44

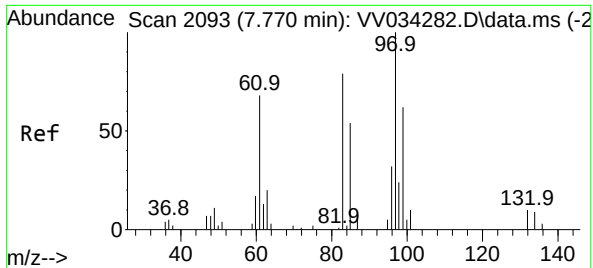
Tgt Ion: 75 Resp: 21815

Ion Ratio Lower Upper

75 100

77 32.7 22.2 41.2

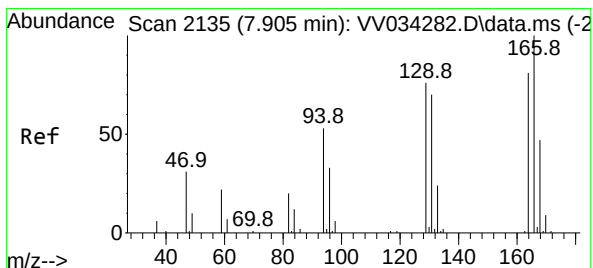
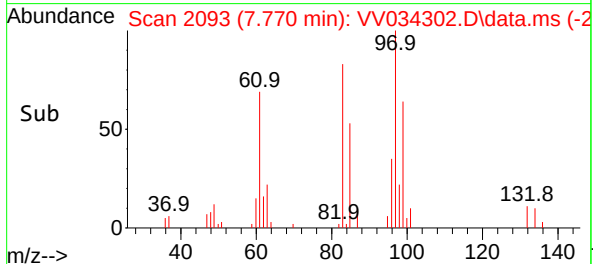
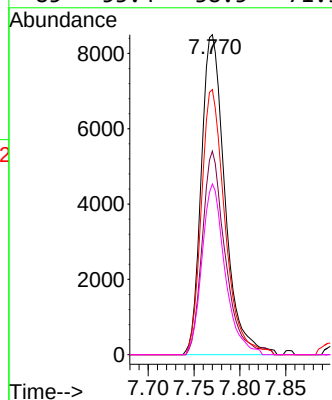
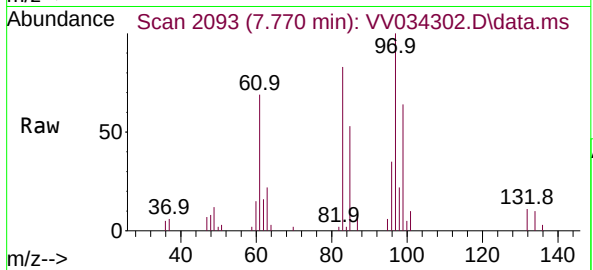




#45
1,1,2-Trichloroethane
Concen: 4.867 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.000 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

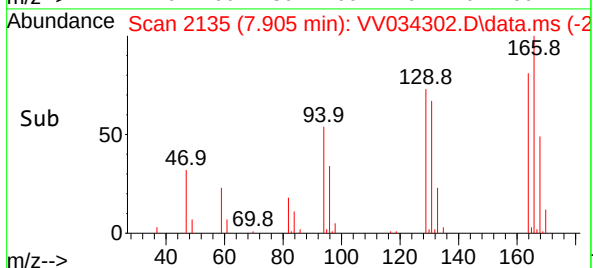
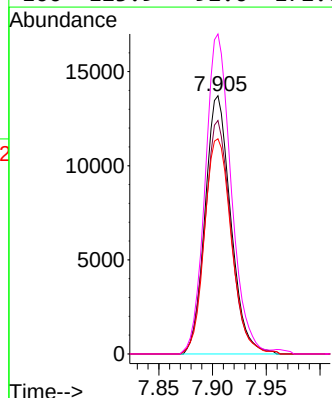
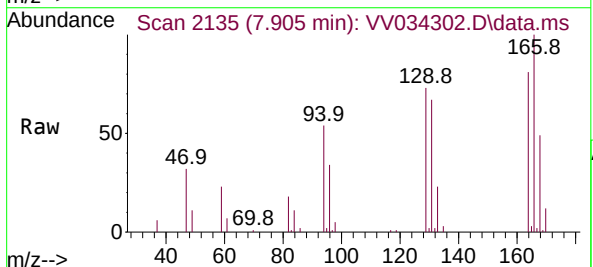
Instrument :
MSVOA_V
ClientSampleId :

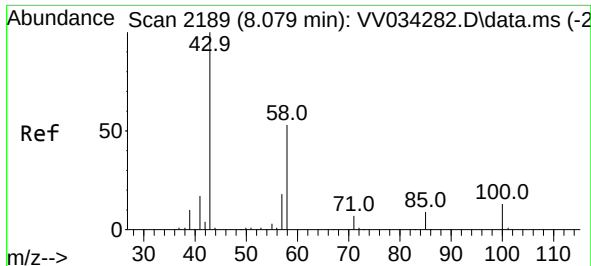
Tgt Ion: 97	Resp: 15278
Ion Ratio	Lower Upper
97 100	
99 63.6	45.6 84.6
83 82.9	62.3 115.7
85 53.4	38.5 71.5



#47
Tetrachloroethene
Concen: 4.621 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

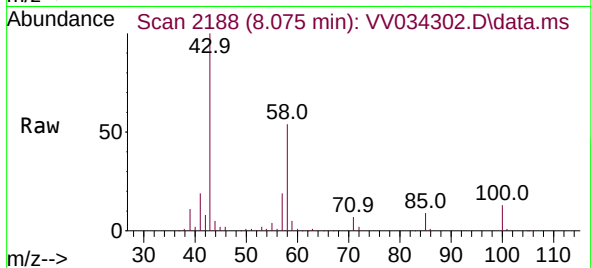
Tgt	Ion:164	Resp:	22807
Ion	Ratio	Lower	Upper
164	100		
129	90.4	67.8	125.8
131	83.4	63.0	117.0
166	123.9	92.6	172.0



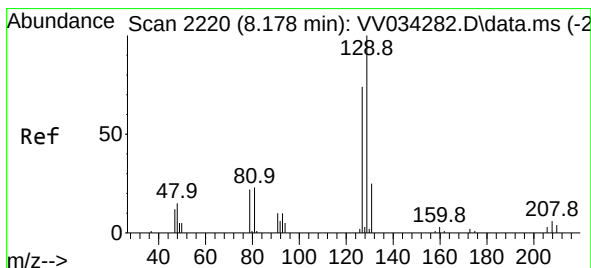
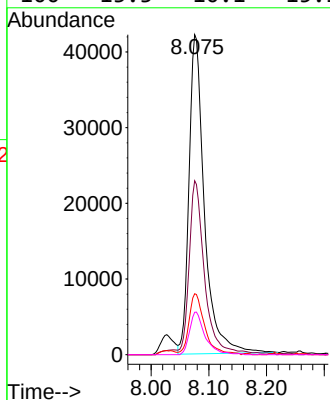
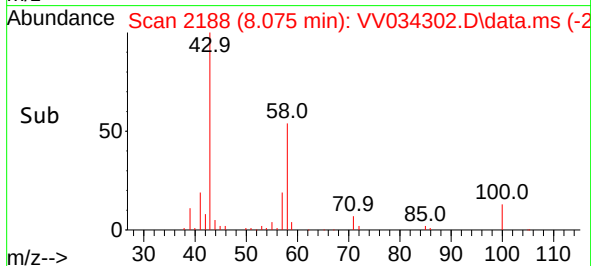


#48
2-Hexanone
Concen: 45.665 ug/L
RT: 8.075 min Scan# 2189
Delta R.T. -0.003 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

Instrument :
MSVOA_V
ClientSampleId :

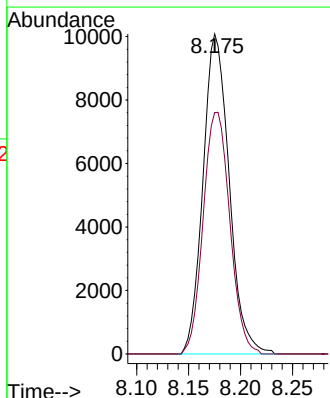
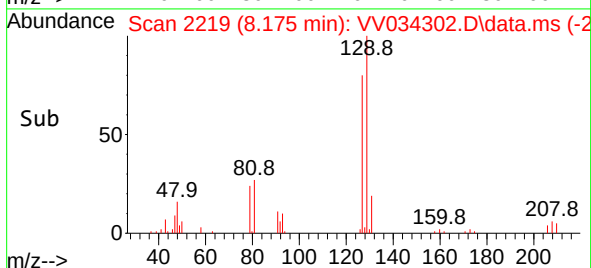
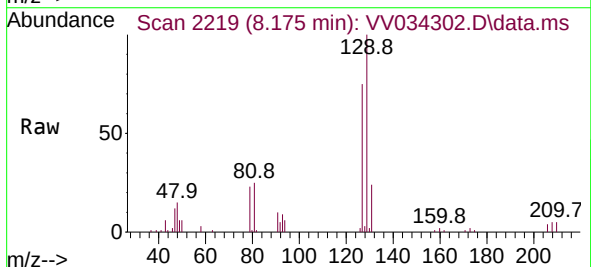


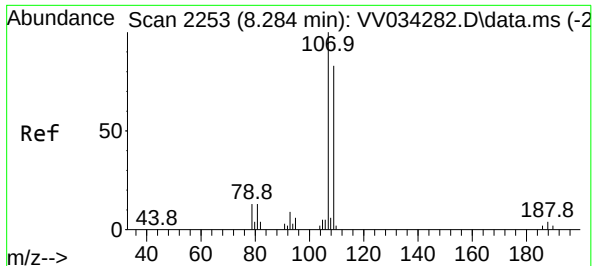
Tgt Ion:	43	Resp:	78356
Ion	Ratio	Lower	Upper
43	100		
58	52.7	42.6	64.0
57	19.5	15.5	23.3
100	13.3	10.1	15.1



#49
Dibromochloromethane
Concen: 4.737 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.003 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

Tgt Ion:	129	Resp:	17669
Ion	Ratio	Lower	Upper
129	100		
127	75.4	53.5	99.5





#50

1,2-Dibromoethane

Concen: 4.809 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV034302.D

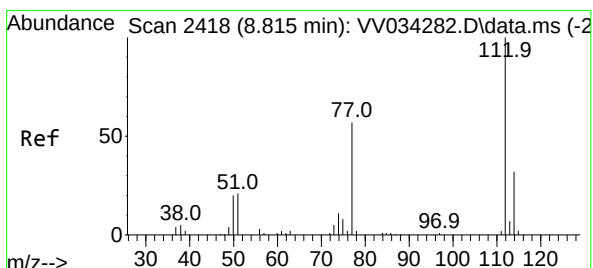
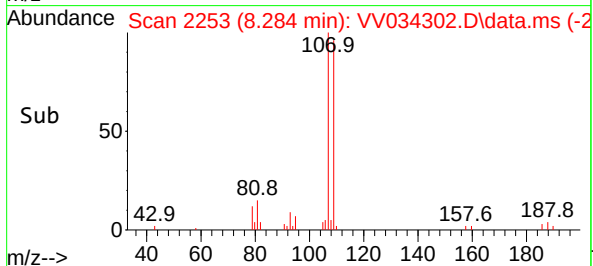
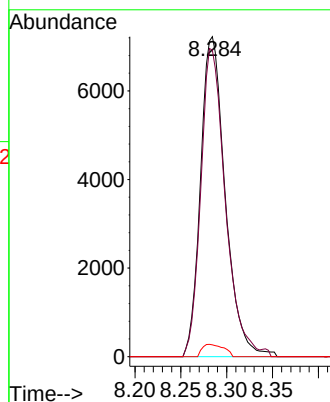
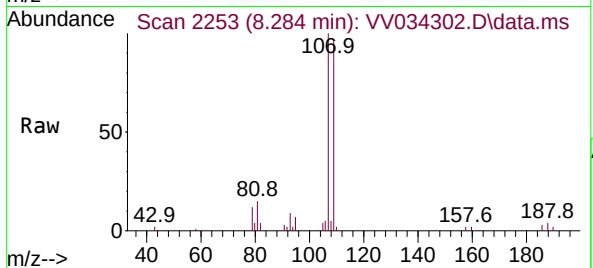
Acq: 21 Feb 2024 04:44

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	13550
Ion	Ratio	Lower	Upper
107	100		
109	95.8	64.5	119.9
188	3.7	2.6	4.0



#51

Chlorobenzene

Concen: 5.054 ug/L

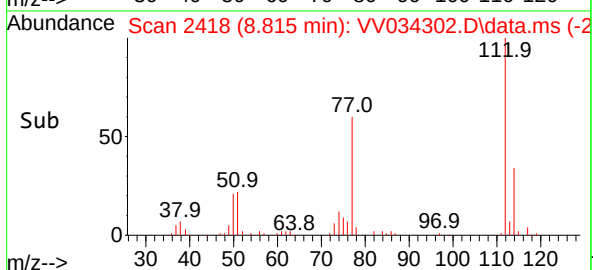
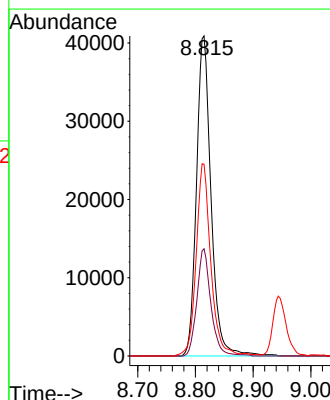
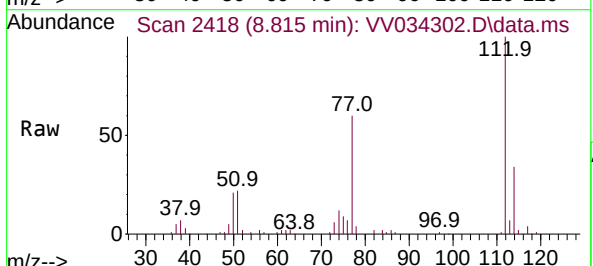
RT: 8.815 min Scan# 2418

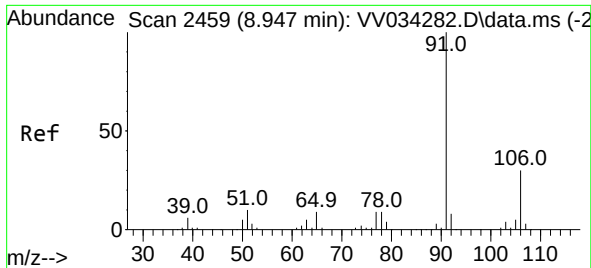
Delta R.T. 0.000 min

Lab File: VV034302.D

Acq: 21 Feb 2024 04:44

Tgt Ion:	112	Resp:	71668
Ion	Ratio	Lower	Upper
112	100		
114	33.5	22.5	41.7
77	59.9	48.1	72.1

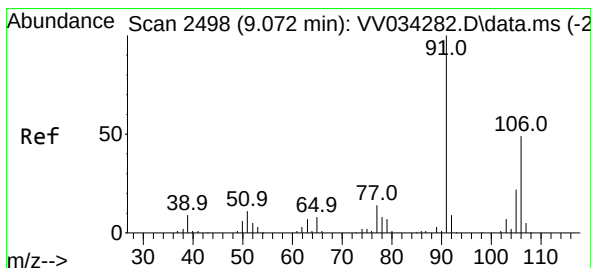
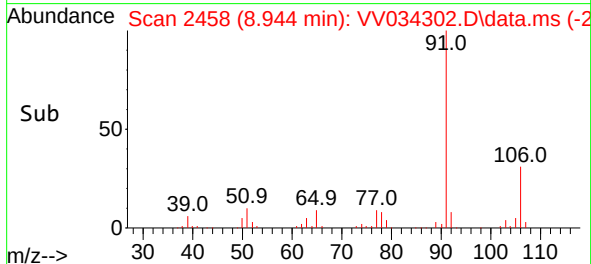
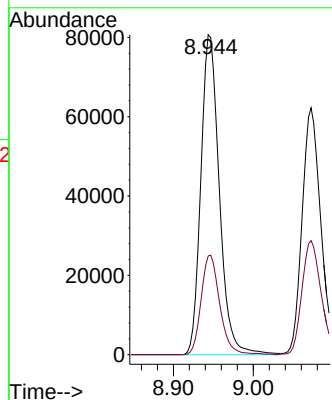
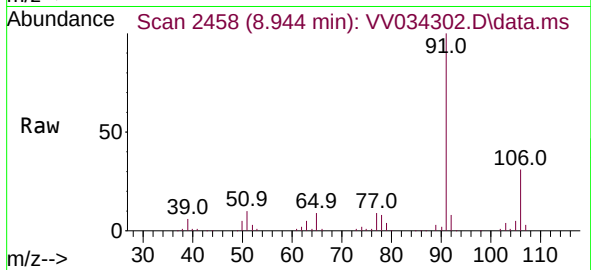




#52
Ethylbenzene
Concen: 5.035 ug/L
RT: 8.944 min Scan# 2459
Delta R.T. -0.003 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

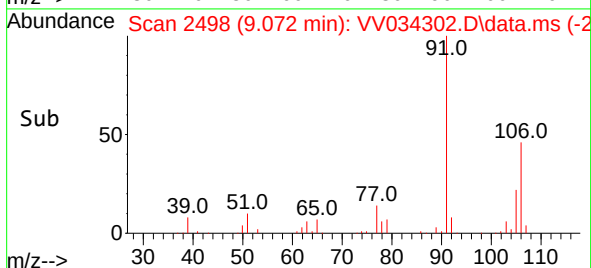
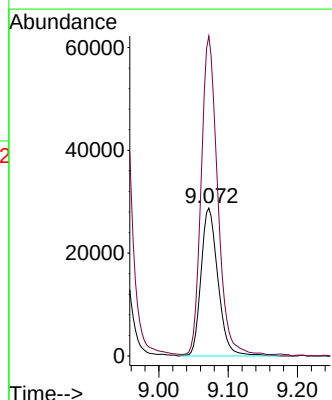
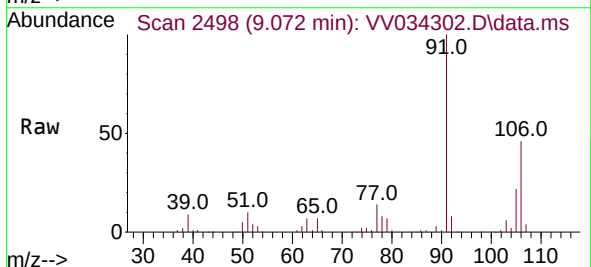
Instrument :
MSVOA_V
ClientSampleId :

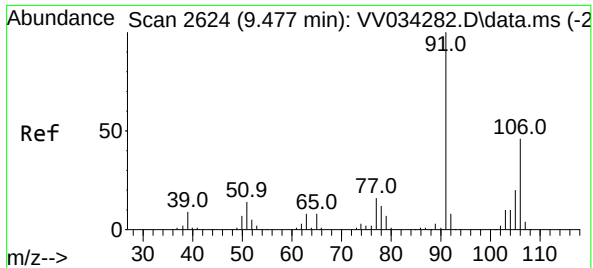
Tgt Ion: 91 Resp: 129984
Ion Ratio Lower Upper
91 100
106 30.9 21.4 39.8



#53
m,p-Xylene
Concen: 5.025 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

Tgt Ion:106 Resp: 49023
Ion Ratio Lower Upper
106 100
91 216.3 147.5 273.9

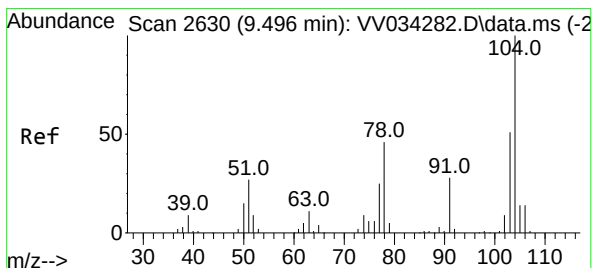
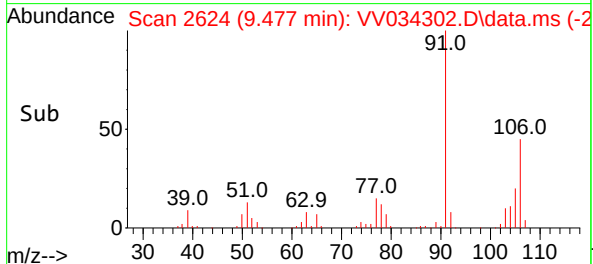
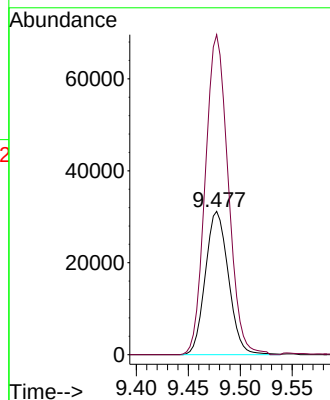
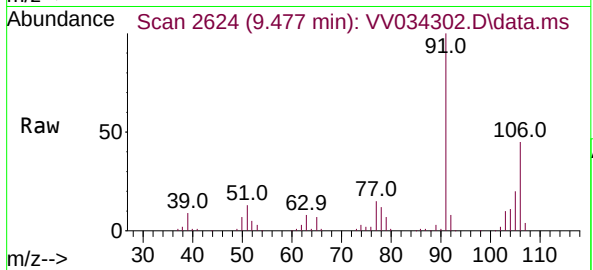




#54
o-Xylene
Concen: 5.128 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

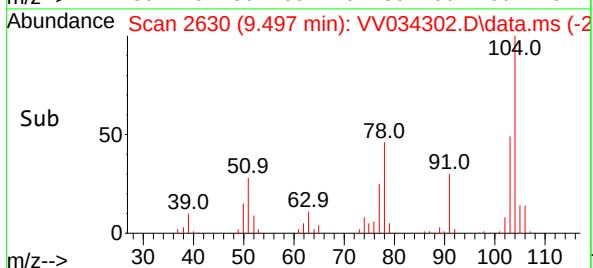
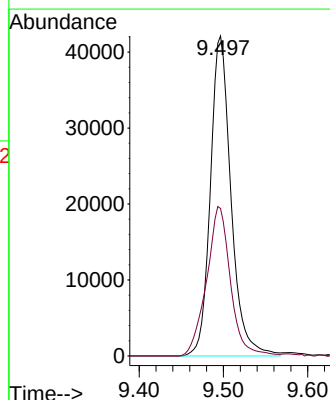
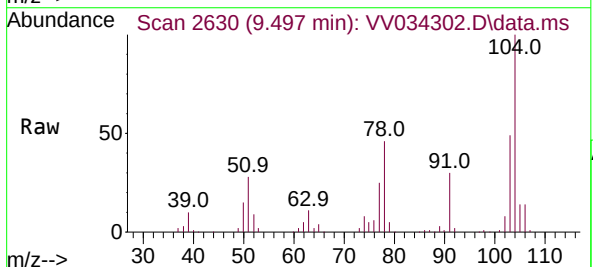
Instrument :
MSVOA_V
ClientSampleId :

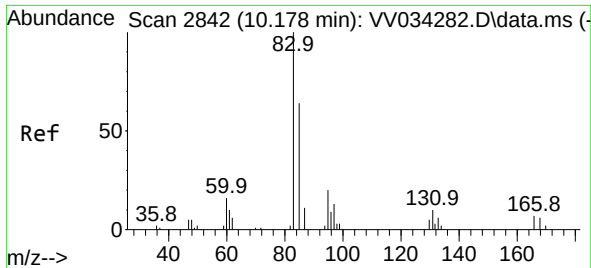
Tgt Ion:106 Resp: 48241
Ion Ratio Lower Upper
106 100
91 223.2 156.2 290.0



#55
Styrene
Concen: 4.766 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

Tgt Ion:104 Resp: 71792
Ion Ratio Lower Upper
104 100
78 46.1 32.9 61.1





#57

1,1,2,2-Tetrachloroethane

Concen: 4.793 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VV034302.D

Acq: 21 Feb 2024 04:44

Instrument :

MSVOA_V

ClientSampleId :

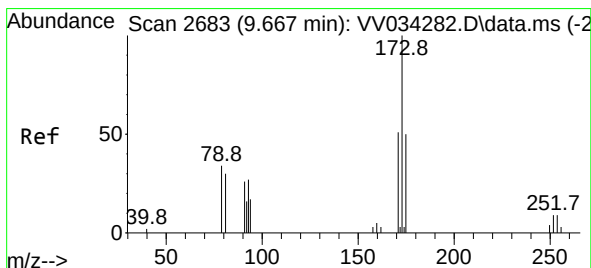
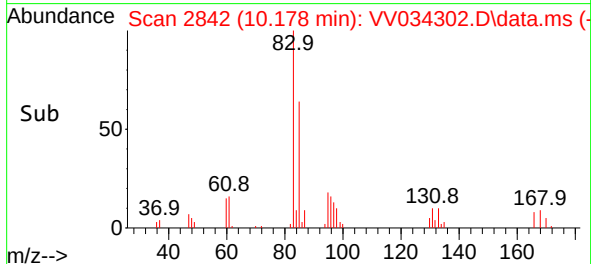
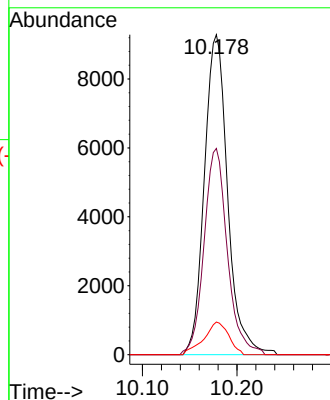
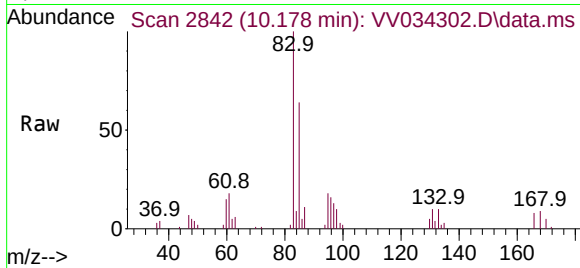
Tgt Ion: 83 Resp: 15880

Ion Ratio Lower Upper

83 100

85 64.4 46.5 86.3

131 10.2 8.4 12.6



#59

Bromoform

Concen: 4.383 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. 0.000 min

Lab File: VV034302.D

Acq: 21 Feb 2024 04:44

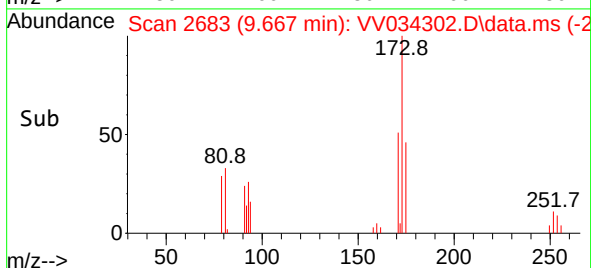
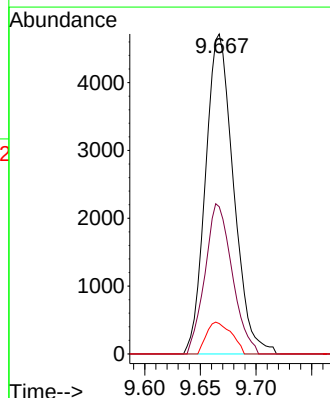
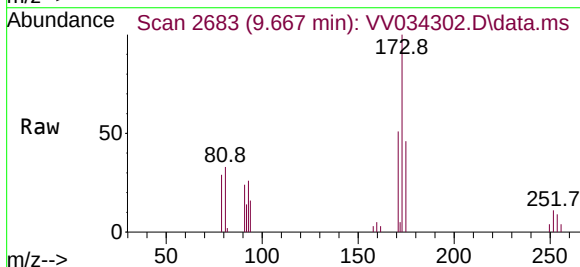
Tgt Ion: 173 Resp: 8249

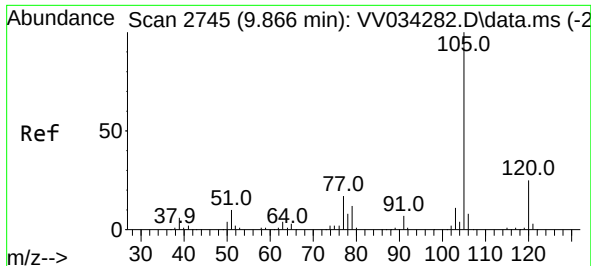
Ion Ratio Lower Upper

173 100

175 45.6 38.6 57.8

254 8.8 7.2 10.8

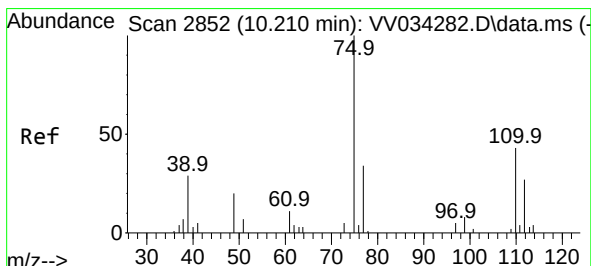
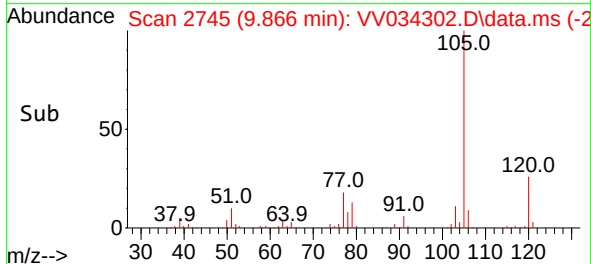
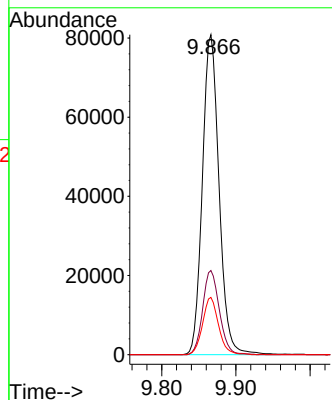
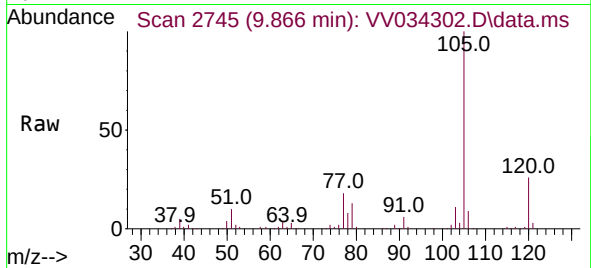




#60
Isopropylbenzene
Concen: 4.988 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

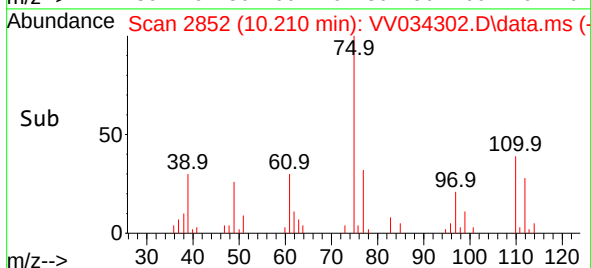
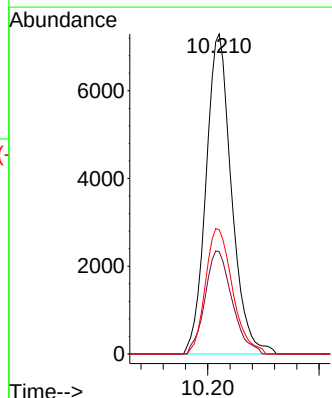
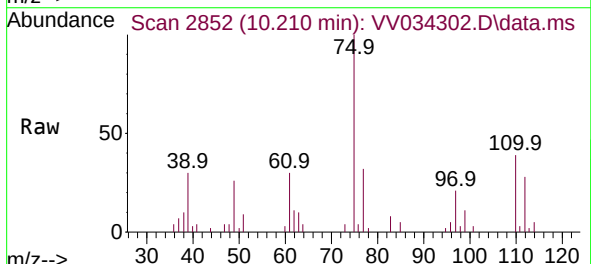
Instrument :
MSVOA_V
ClientSampleId :

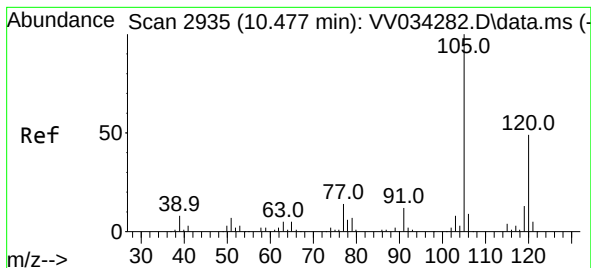
Tgt Ion:105 Resp: 126093
Ion Ratio Lower Upper
105 100
120 26.3 20.7 31.1
77 17.1 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 4.944 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

Tgt Ion: 75 Resp: 11611
Ion Ratio Lower Upper
75 100
77 34.1 26.9 40.3
110 41.5 33.3 49.9





#62

1,3,5-Trimethylbenzene

Concen: 5.096 ug/L

RT: 10.474 min Scan# 2935

Delta R.T. -0.003 min

Lab File: VV034302.D

Acq: 21 Feb 2024 04:44

Instrument :

MSVOA_V

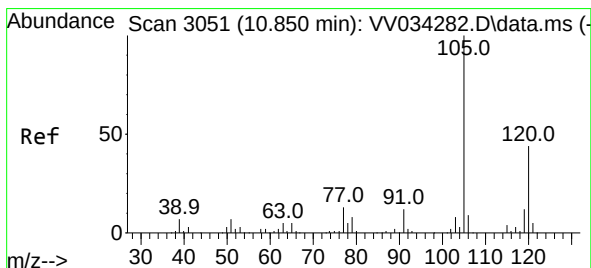
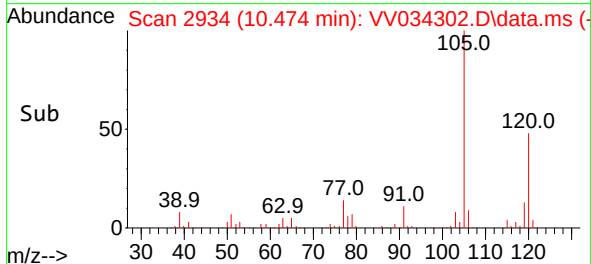
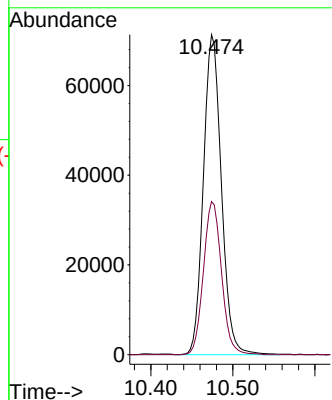
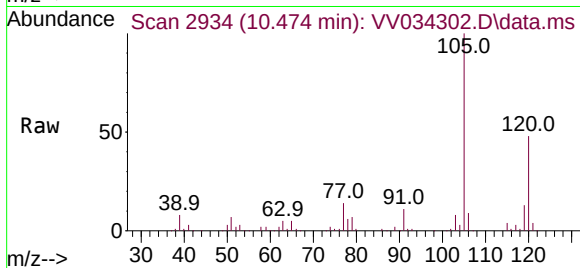
ClientSampleId :

Tgt Ion:105 Resp: 108909

Ion Ratio Lower Upper

105 100

120 48.1 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 5.144 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV034302.D

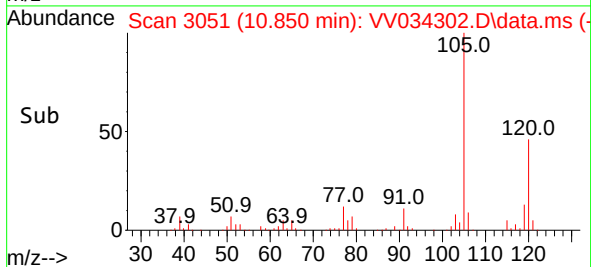
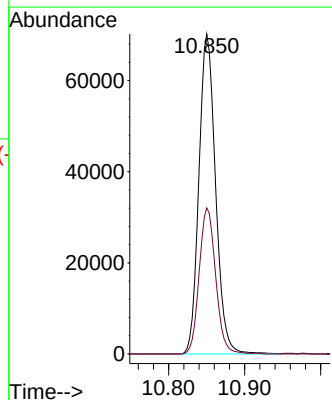
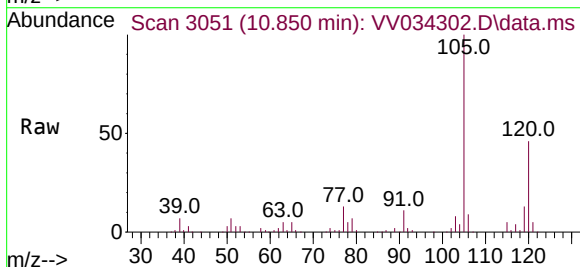
Acq: 21 Feb 2024 04:44

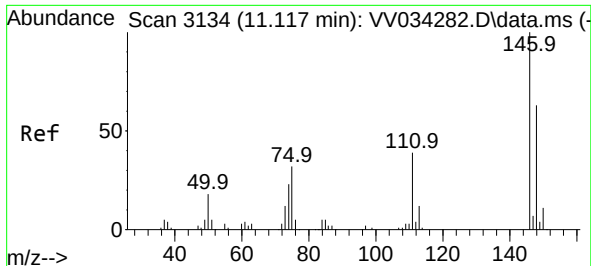
Tgt Ion:105 Resp: 106823

Ion Ratio Lower Upper

105 100

120 45.1 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 5.073 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

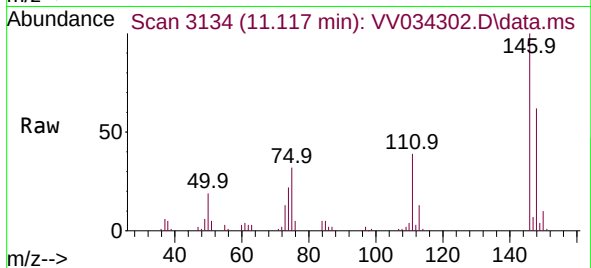
Lab File: VV034302.D

Acq: 21 Feb 2024 04:44

Instrument :

MSVOA_V

ClientSampleId :



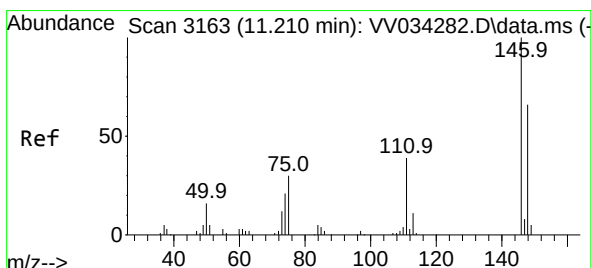
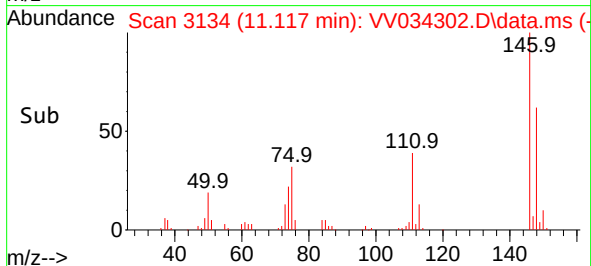
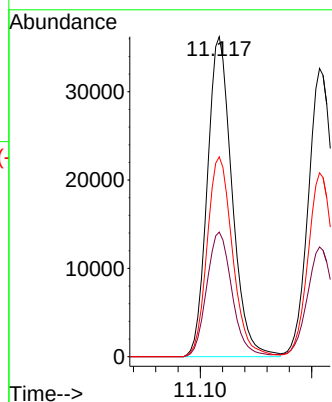
Tgt Ion:146 Resp: 55917

Ion Ratio Lower Upper

146 100

111 39.0 28.5 52.9

148 62.4 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 4.880 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. -0.003 min

Lab File: VV034302.D

Acq: 21 Feb 2024 04:44

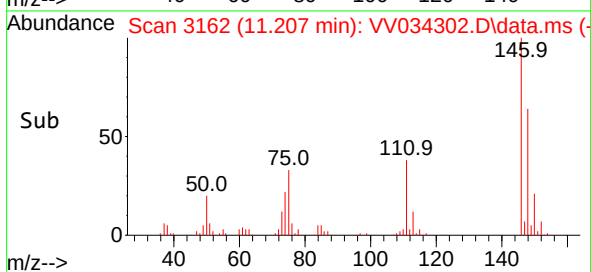
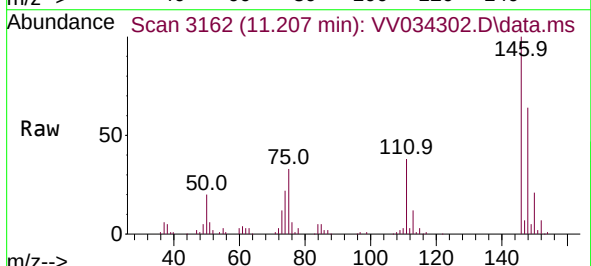
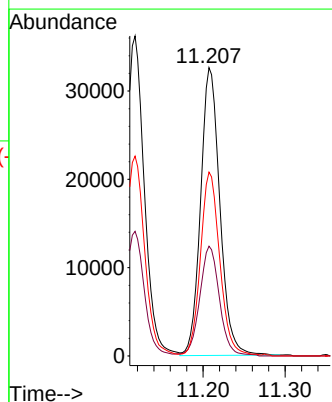
Tgt Ion:146 Resp: 53263

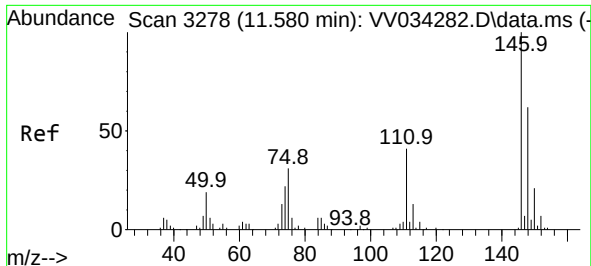
Ion Ratio Lower Upper

146 100

111 38.1 27.6 51.4

148 63.7 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.090 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV034302.D

Acq: 21 Feb 2024 04:44

Instrument :

MSVOA_V

ClientSampleId :

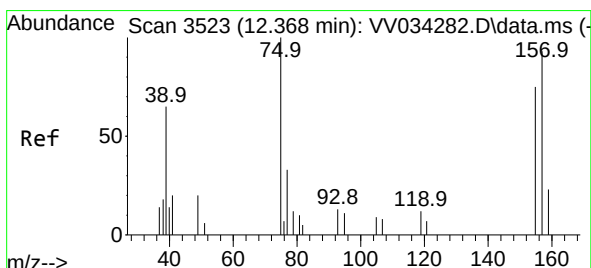
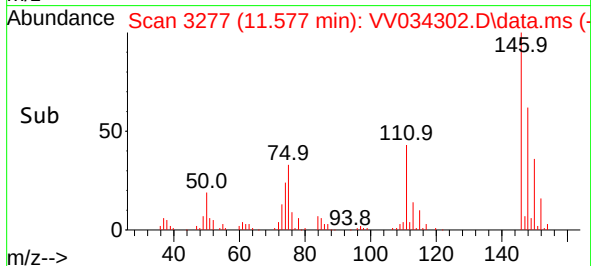
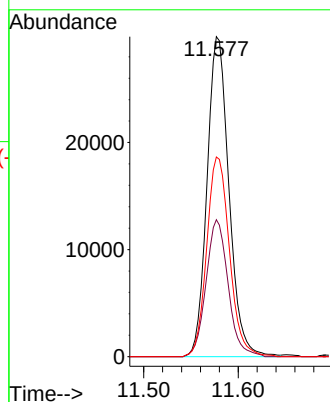
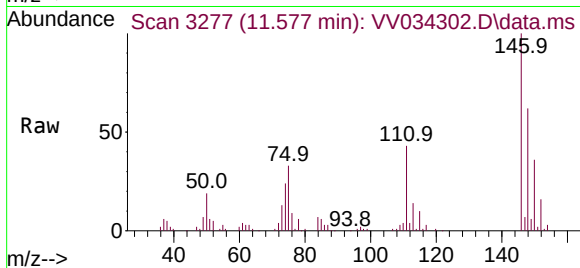
Tgt Ion:146 Resp: 48185

Ion Ratio Lower Upper

146 100

111 42.8 31.2 46.8

148 62.4 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.713 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.003 min

Lab File: VV034302.D

Acq: 21 Feb 2024 04:44

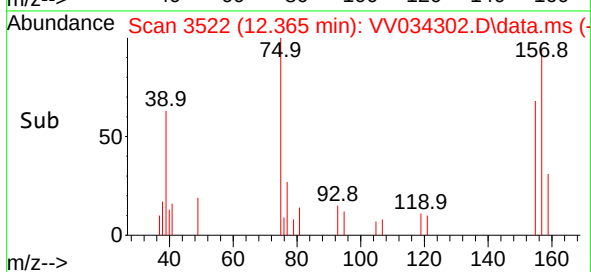
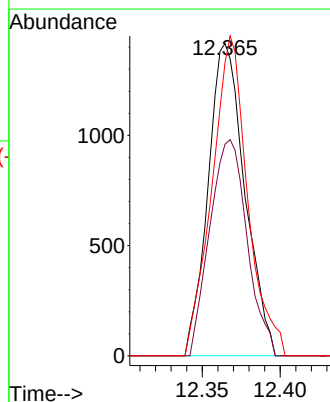
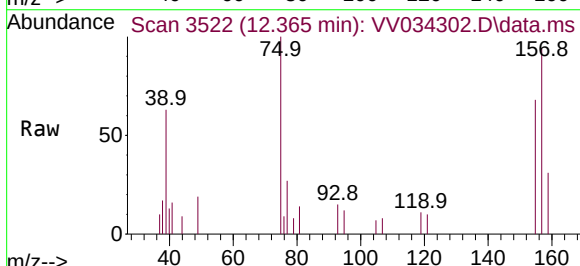
Tgt Ion: 75 Resp: 2320

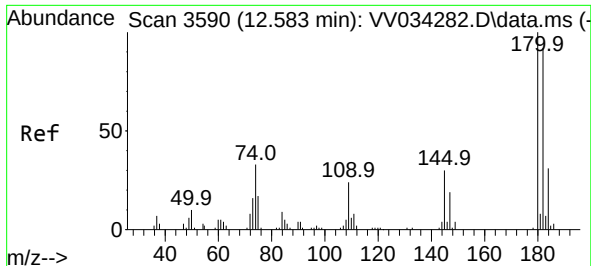
Ion Ratio Lower Upper

75 100

155 67.7 68.9 103.3#

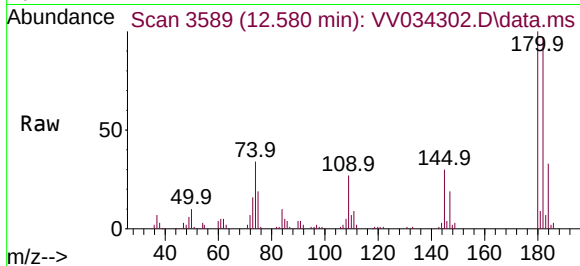
157 93.8 84.6 127.0



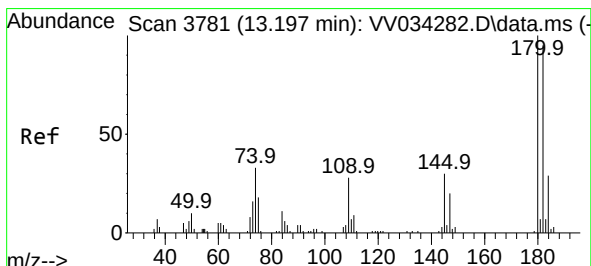
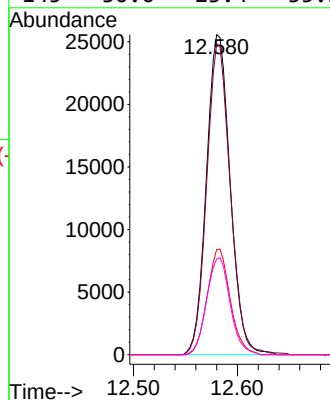
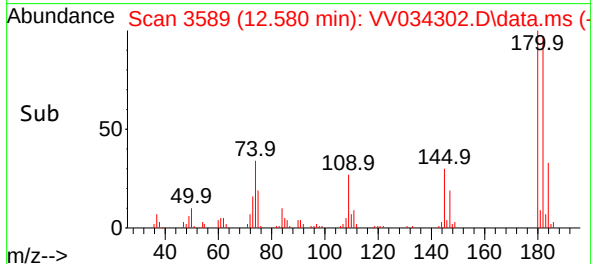


#69
 1,3,5-Trichlorobenzene
 Concen: 4.753 ug/L
 RT: 12.580 min Scan# 3590
 Delta R.T. -0.003 min
 Lab File: VV034302.D
 Acq: 21 Feb 2024 04:44

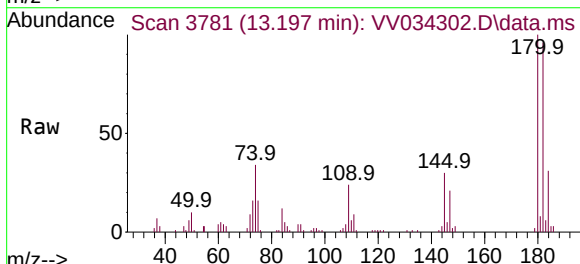
Instrument :
 MSVOA_V
 ClientSampleId :



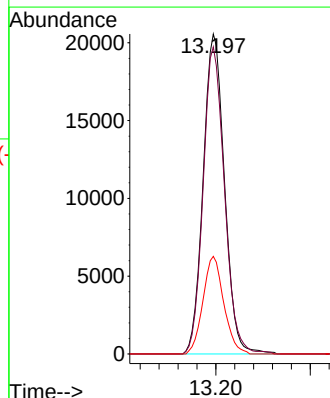
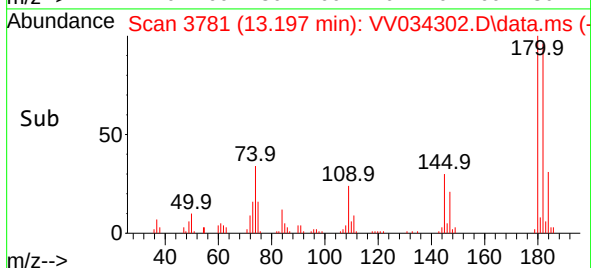
Tgt Ion:180 Resp: 40541
 Ion Ratio Lower Upper
 180 100
 182 96.5 77.0 115.4
 184 31.9 23.8 35.6
 145 30.0 23.4 35.2

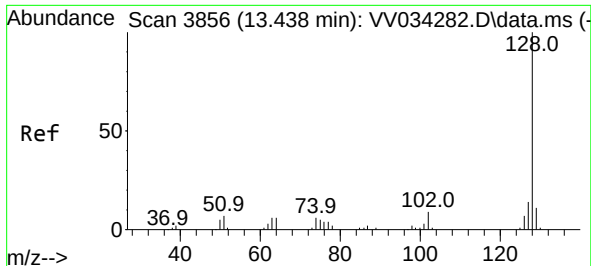


#70
 1,2,4-trichlorobenzene
 Concen: 4.835 ug/L
 RT: 13.197 min Scan# 3781
 Delta R.T. 0.000 min
 Lab File: VV034302.D
 Acq: 21 Feb 2024 04:44



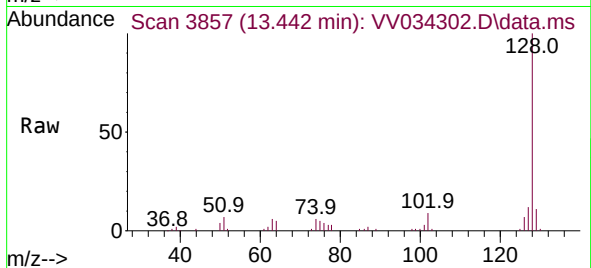
Tgt Ion:180 Resp: 32193
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.8 115.2
 145 29.7 24.8 37.2



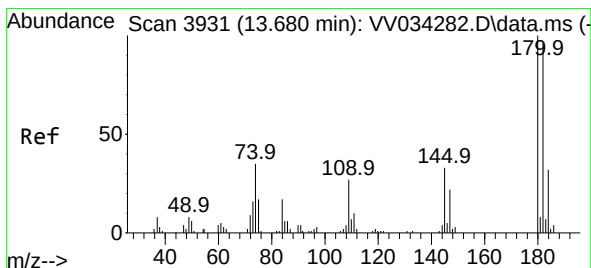
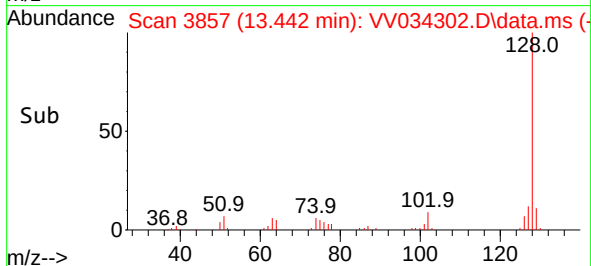
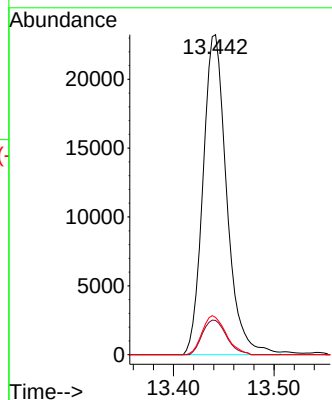


#71
Naphthalene
Concen: 4.363 ug/L
RT: 13.442 min Scan# 3856
Delta R.T. 0.003 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 38072
Ion Ratio Lower Upper
128 100
129 11.0 8.5 12.7
127 12.2 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 4.870 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. 0.000 min
Lab File: VV034302.D
Acq: 21 Feb 2024 04:44

Tgt Ion:180 Resp: 25984
Ion Ratio Lower Upper
180 100
182 96.0 75.0 112.6
145 33.0 25.2 37.8

