

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV012325\
 Data File : VV038522.D
 Acq On : 23 Jan 2025 21:35
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 24 00:35:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 24 00:30:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	200092	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	209407	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	113238	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	57090	3.460	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.200%
7) Chloroethane-d5	1.532	69	54864	3.960	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.200%
11) 1,1-Dichloroethene-d2	2.056	65	27029	3.635	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.600%
20) 2-Butanone-d5	3.799	46	178376	51.398	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.800%
24) Chloroform-d	4.240	84	143513	4.640	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
26) 1,2-Dichloroethane-d4	4.937	65	65255	4.605	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.000%
32) Benzene-d6	4.953	84	250533	4.344	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
36) 1,2-Dichloropropane-d6	5.982	67	80691	4.603	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.000%
41) Toluene-d8	7.233	98	228710	4.415	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
43) trans-1,3-Dichloroprop...	7.551	79	27031	4.215	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.400%
46) 2-Hexanone-d5	8.018	63	123468	48.802	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.600%
56) 1,1,2,2-Tetrachloroeth...	10.143	84	72591	5.223	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.400%
66) 1,2-Dichlorobenzene-d4	11.551	152	91303	4.764	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	105647	4.714	ug/L	100
3) Chloromethane	1.214	50	105184	4.587	ug/L	100
5) Vinyl chloride	1.282	62	104646	4.516	ug/L	98
6) Bromomethane	1.487	94	57397	4.952	ug/L	94
8) Chloroethane	1.548	64	63235	4.555	ug/L	99
9) Trichlorofluoromethane	1.712	101	145696	4.941	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	87399	5.185	ug/L	98
12) 1,1-Dichloroethene	2.066	96	78020	4.702	ug/L	95
13) Acetone	2.134	43	118275	43.800	ug/L	100
14) Carbon disulfide	2.237	76	248213	4.453	ug/L	100
15) Methyl Acetate	2.388	43	29522	4.279	ug/L	95
16) Methylene chloride	2.442	84	82629	4.493	ug/L	97
17) Methyl tert-butyl Ether	2.696	73	159920	4.581	ug/L	99
18) trans-1,2-Dichloroethene	2.690	96	80788	4.736	ug/L	97
19) 1,1-Dichloroethane	3.105	63	151199	4.657	ug/L	99
21) 2-Butanone	3.880	43	169496	44.249	ug/L	98
22) cis-1,2-Dichloroethene	3.806	96	80560	4.645	ug/L	92
23) Bromochloromethane	4.146	128	38846	4.923	ug/L	91
25) Chloroform	4.265	83	157466	4.906	ug/L	100

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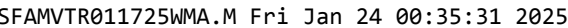
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 ClientSampleId :

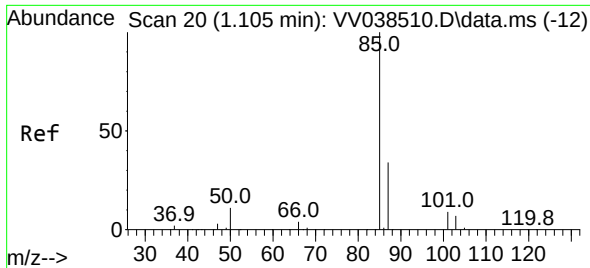
Quant Time: Jan 24 00:35:21 2025
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	87746	4.916	ug/L	98
29) 1,1,1-Trichloroethane	4.500	97	134618	4.835	ug/L	98
30) Cyclohexane	4.571	56	121179	4.779	ug/L	97
31) Carbon tetrachloride	4.725	117	121510	4.938	ug/L	99
33) Benzene	5.002	78	328307	4.937	ug/L	100
34) Trichloroethene	5.825	95	82816	4.792	ug/L	96
35) Methylcyclohexane	6.040	83	129465	4.915	ug/L	99
37) 1,2-Dichloropropane	6.085	63	84605	4.927	ug/L	98
38) Bromodichloromethane	6.426	83	105933	4.756	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	109248	4.615	ug/L	99
40) 4-Methyl-2-pentanone	7.149	43	439252	49.437	ug/L	99
42) Toluene	7.307	91	356579	5.145	ug/L	100
44) trans-1,3-Dichloropropene	7.574	75	93370	4.655	ug/L	97
45) 1,1,2-Trichloroethane	7.760	97	59701	4.833	ug/L	97
47) Tetrachloroethene	7.895	164	66595	4.979	ug/L	99
48) 2-Hexanone	8.069	43	334497	51.995	ug/L	100
49) Dibromochloromethane	8.166	129	68080	4.788	ug/L	94
50) 1,2-Dibromoethane	8.275	107	57589	5.011	ug/L	99
51) Chlorobenzene	8.805	112	224631	4.817	ug/L	100
52) Ethylbenzene	8.937	91	371141	4.979	ug/L	98
53) m,p-Xylene	9.063	106	140368	4.967	ug/L	97
54) o-Xylene	9.468	106	134772	5.005	ug/L	100
55) Styrene	9.487	104	239965	5.111	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.169	83	70888	4.713	ug/L	99
59) Bromoform	9.657	173	35323	4.473	ug/L	98
60) Isopropylbenzene	9.857	105	369699	4.852	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	51145	4.701	ug/L	97
62) 1,3,5-Trimethylbenzene	10.468	105	281834	4.723	ug/L	98
63) 1,2,4-Trimethylbenzene	10.844	105	284804	4.779	ug/L	100
64) 1,3-Dichlorobenzene	11.108	146	184322	4.877	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	183497	4.695	ug/L	98
67) 1,2-Dichlorobenzene	11.571	146	168327	4.755	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	9183	4.084	ug/L #	84
69) 1,3,5-Trichlorobenzene	12.574	180	117696	4.527	ug/L	98
70) 1,2,4-trichlorobenzene	13.188	180	84736	4.385	ug/L	97
71) Naphthalene	13.432	128	97962	3.422	ug/L	98
72) 1,2,3-Trichlorobenzene	13.670	180	73988	4.429	ug/L	97

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

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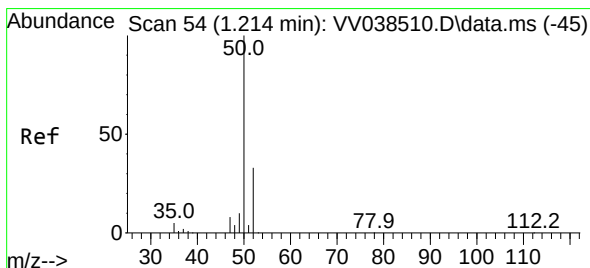
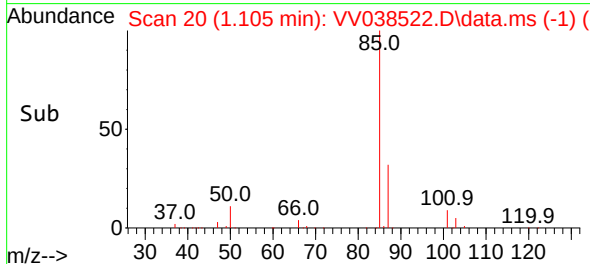
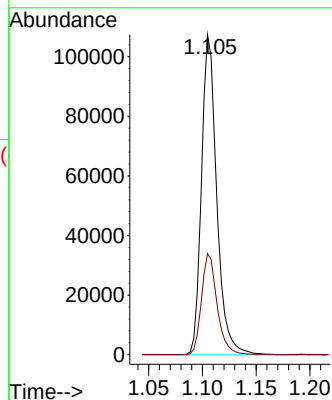
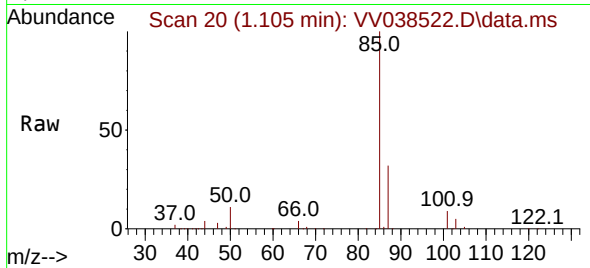




#2
 Dichlorodifluoromethane
 Concen: 4.714 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV038522.D
 Acq: 23 Jan 2025 21:35

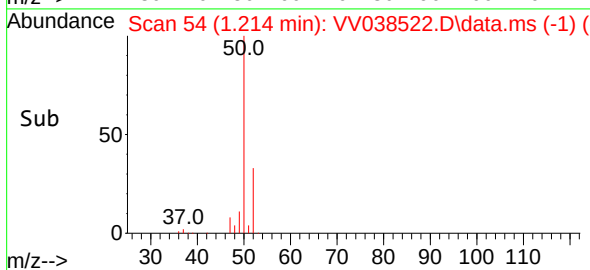
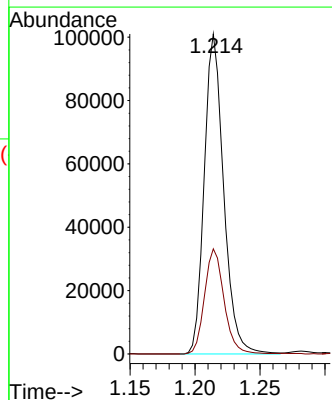
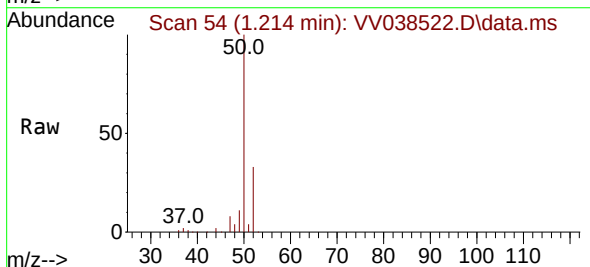
Instrument :
 MSVOA_V
 ClientSampleId :

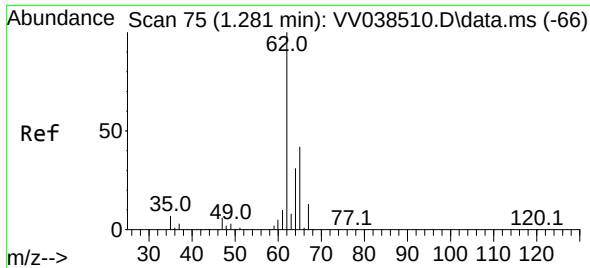
Tgt Ion: 85 Resp: 105647
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.0 39.0



#3
 Chloromethane
 Concen: 4.587 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV038522.D
 Acq: 23 Jan 2025 21:35

Tgt Ion: 50 Resp: 105184
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.0 42.6



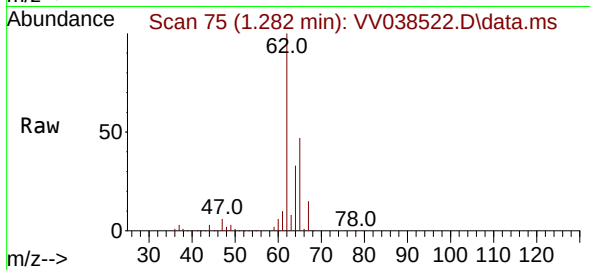


#5
 Vinyl chloride
 Concen: 4.516 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV038522.D
 Acq: 23 Jan 2025 21:35

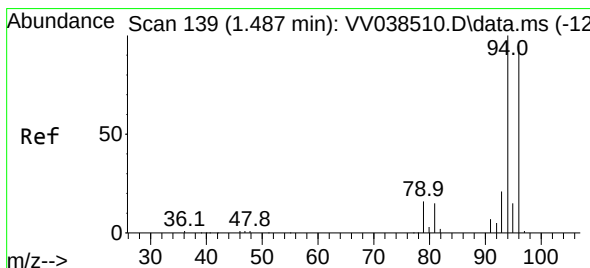
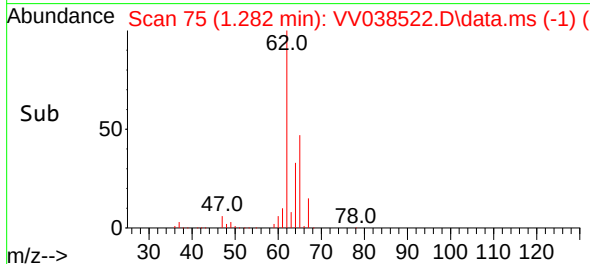
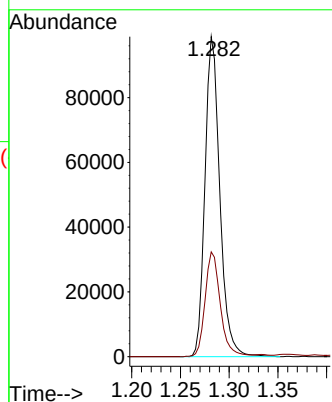
Instrument :

MSVOA_V

ClientSampleId :

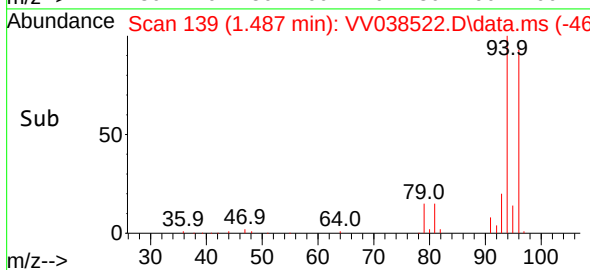
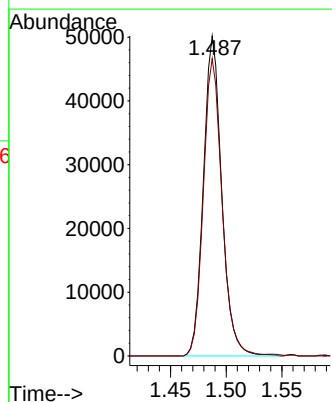
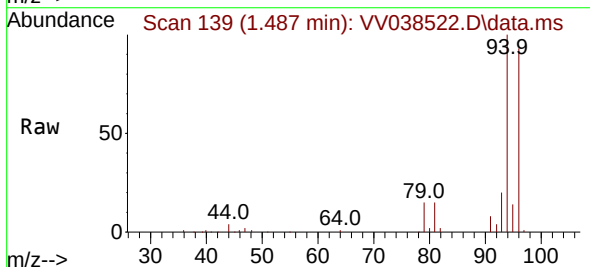


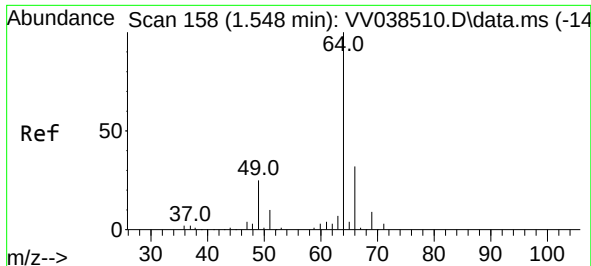
Tgt Ion: 62 Resp: 104646
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.5 43.7



#6
 Bromomethane
 Concen: 4.952 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV038522.D
 Acq: 23 Jan 2025 21:35

Tgt Ion: 94 Resp: 57397
 Ion Ratio Lower Upper
 94 100
 96 92.9 68.9 127.9

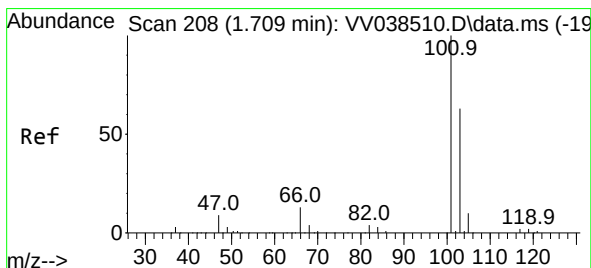
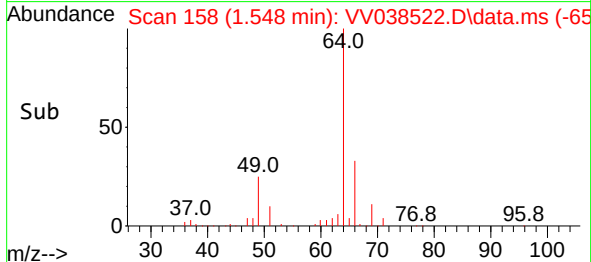
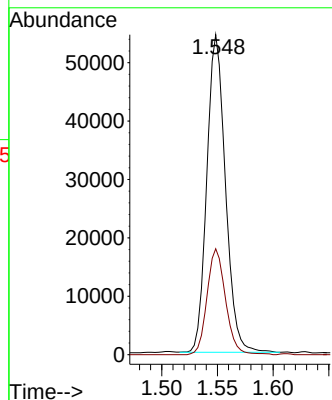
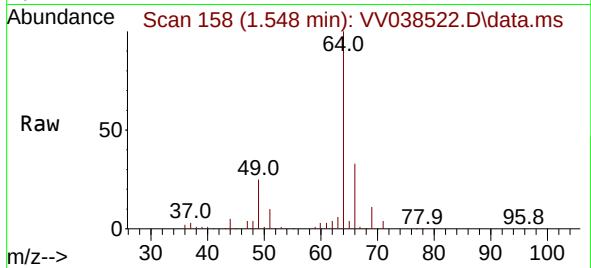




#8
Chloroethane
Concen: 4.555 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV038522.D
Acq: 23 Jan 2025 21:35

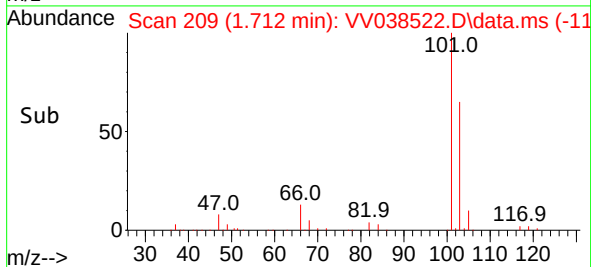
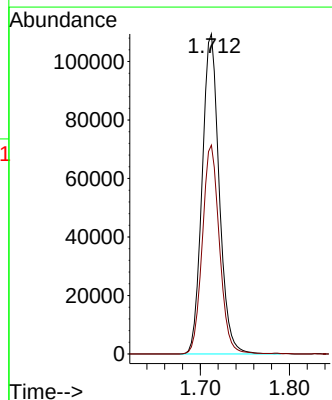
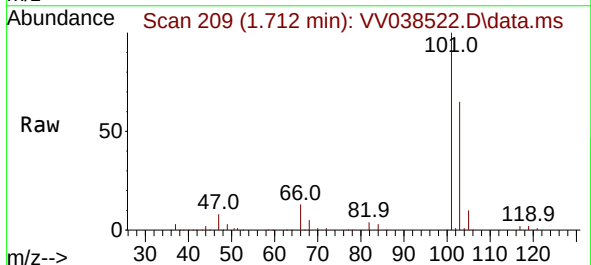
Instrument :
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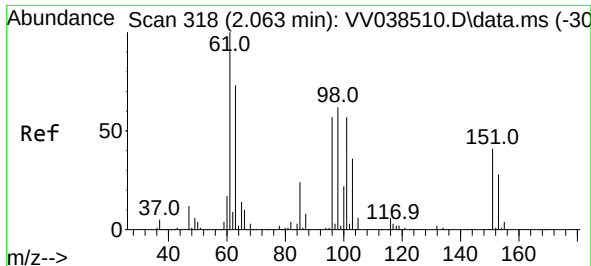
Tgt Ion: 64 Resp: 63235
Ion Ratio Lower Upper
64 100
66 33.1 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.941 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.003 min
Lab File: VV038522.D
Acq: 23 Jan 2025 21:35

Tgt Ion:101 Resp: 145696
Ion Ratio Lower Upper
101 100
103 65.4 51.5 77.3

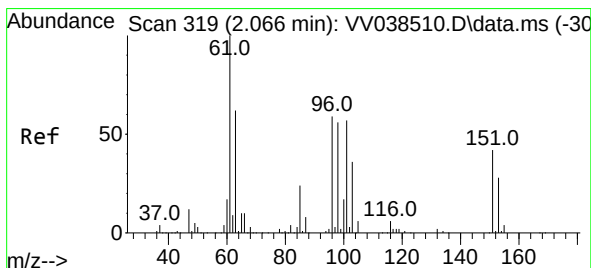
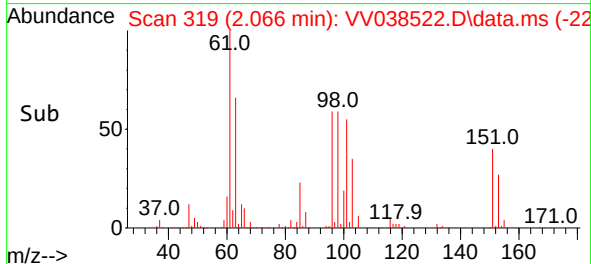
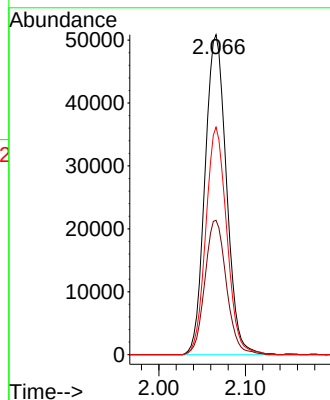
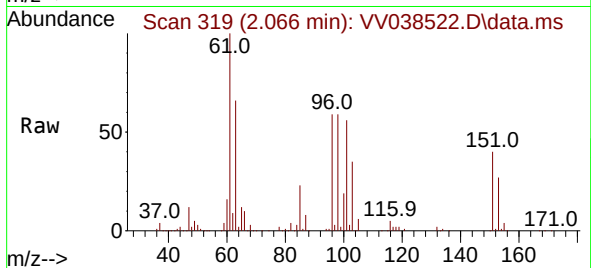




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.185 ug/L
 RT: 2.066 min Scan# 318
 Delta R.T. 0.003 min
 Lab File: VV038522.D
 Acq: 23 Jan 2025 21:35

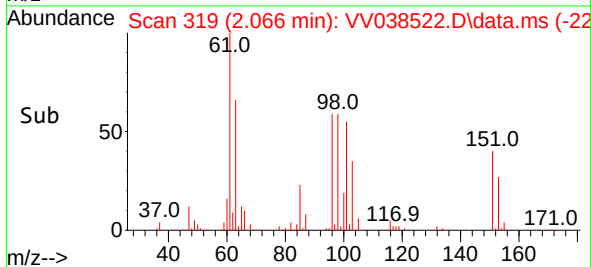
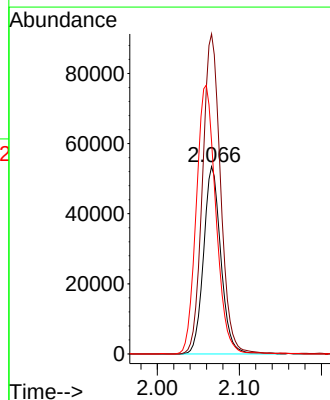
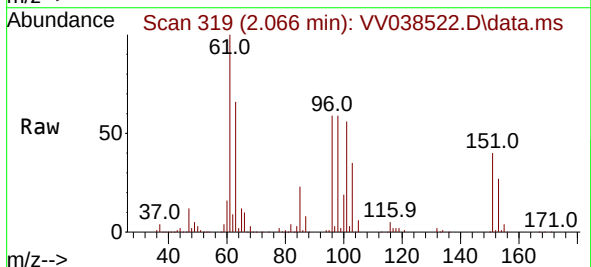
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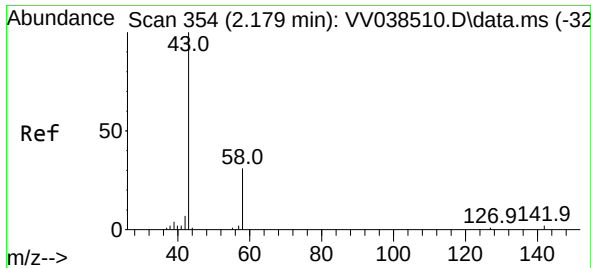
Tgt Ion:101 Resp: 87399
 Ion Ratio Lower Upper
 101 100
 85 42.2 35.2 52.8
 151 69.8 56.6 85.0



#12
 1,1-Dichloroethene
 Concen: 4.702 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. 0.000 min
 Lab File: VV038522.D
 Acq: 23 Jan 2025 21:35

Tgt Ion: 96 Resp: 78020
 Ion Ratio Lower Upper
 96 100
 61 170.8 122.2 227.0
 63 113.5 86.2 160.0





#13

Acetone

Concen: 43.800 ug/L

RT: 2.134 min Scan# 34

Delta R.T. -0.045 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

Instrument :

MSVOA_V

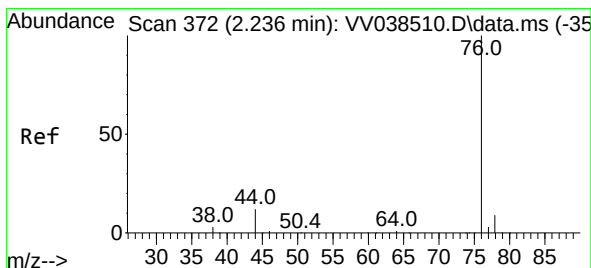
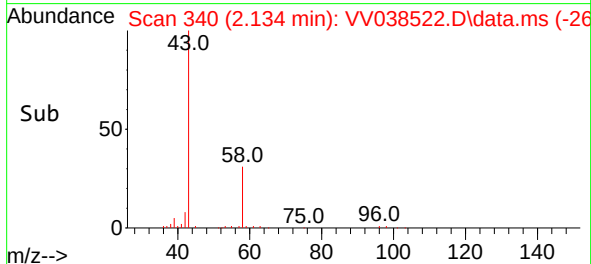
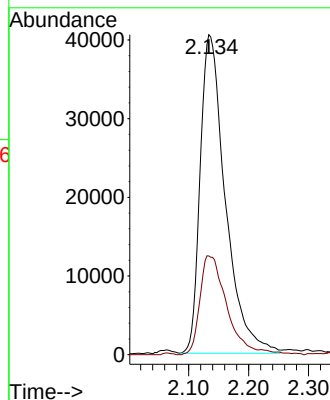
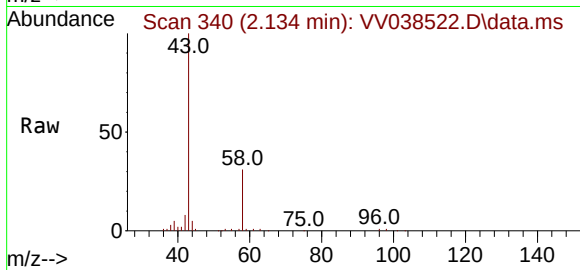
ClientSampleId :

Tgt Ion: 43 Resp: 118275

Ion Ratio Lower Upper

43 100

58 33.4 0.0 67.2



#14

Carbon disulfide

Concen: 4.453 ug/L

RT: 2.237 min Scan# 372

Delta R.T. 0.000 min

Lab File: VV038522.D

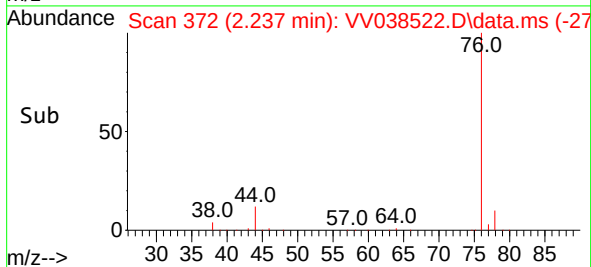
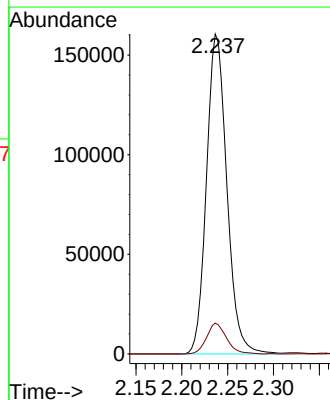
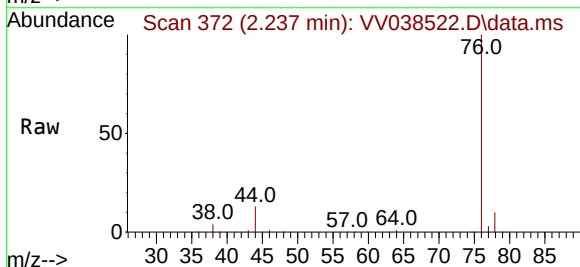
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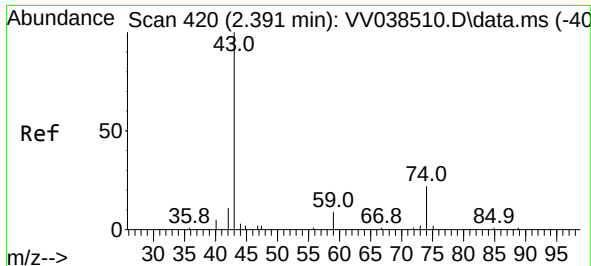
Tgt Ion: 76 Resp: 248213

Ion Ratio Lower Upper

76 100

78 9.7 7.6 11.4

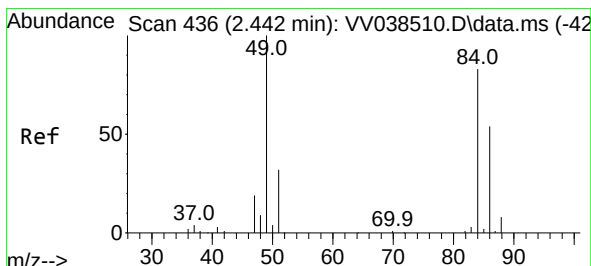
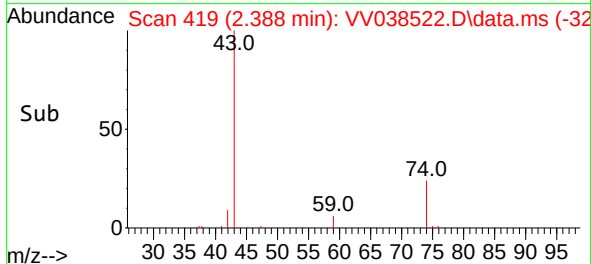
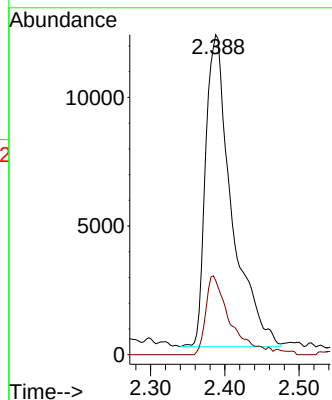
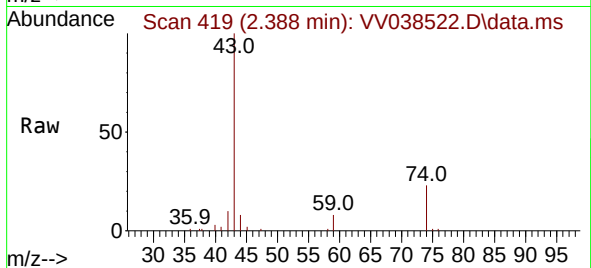




#15
Methyl Acetate
Concen: 4.279 ug/L
RT: 2.388 min Scan# 419
Delta R.T. -0.003 min
Lab File: VV038522.D
Acq: 23 Jan 2025 21:35

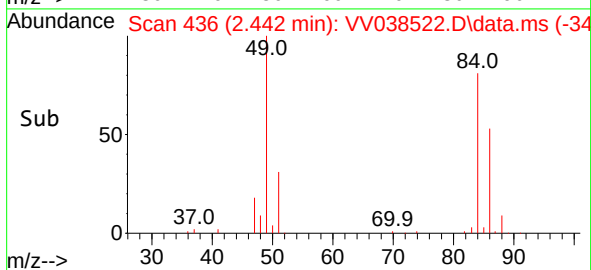
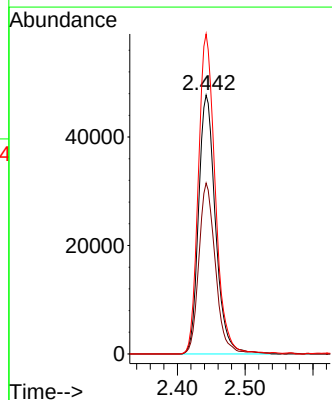
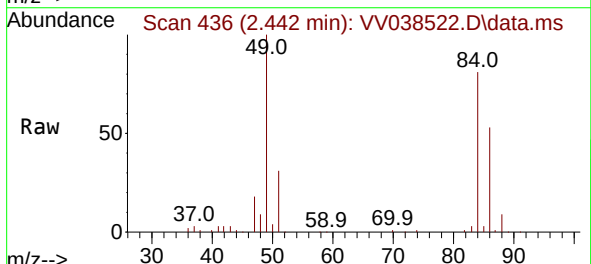
Instrument :
MSVOA_V
ClientSampleId :

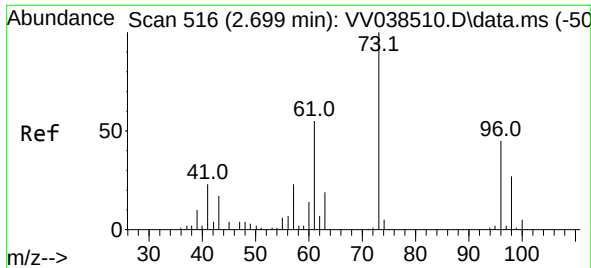
Tgt Ion: 43 Resp: 29522
Ion Ratio Lower Upper
43 100
74 23.1 20.4 30.6



#16
Methylene chloride
Concen: 4.493 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.000 min
Lab File: VV038522.D
Acq: 23 Jan 2025 21:35

Tgt Ion: 84 Resp: 82629
Ion Ratio Lower Upper
84 100
86 66.1 44.7 82.9
49 123.6 84.1 156.1

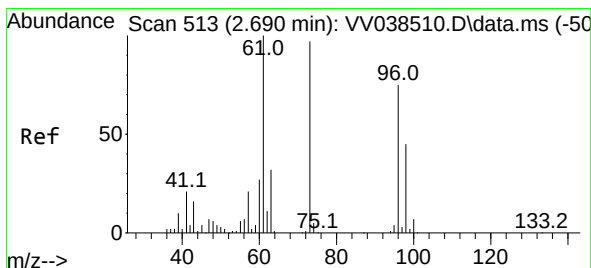
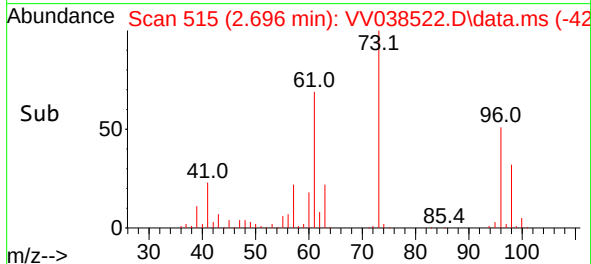
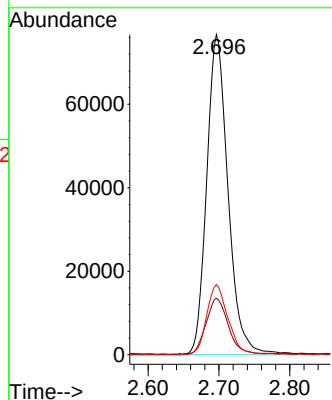
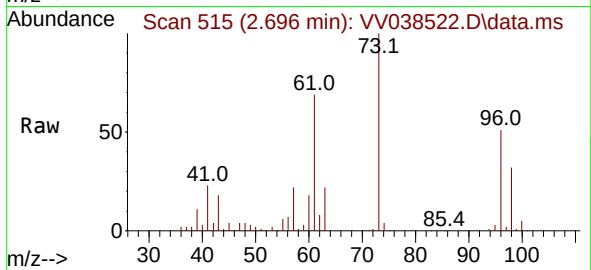




#17
Methyl tert-butyl Ether
Concen: 4.581 ug/L
RT: 2.696 min Scan# 516
Delta R.T. -0.003 min
Lab File: VV038522.D
Acq: 23 Jan 2025 21:35

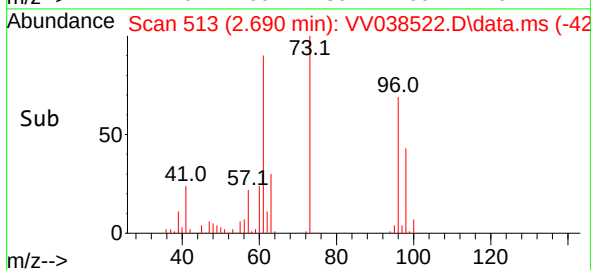
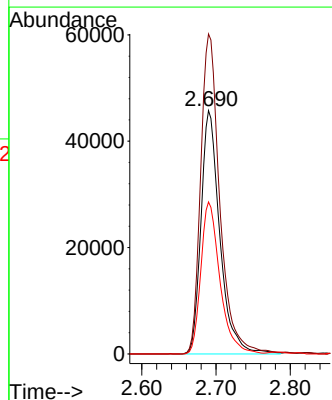
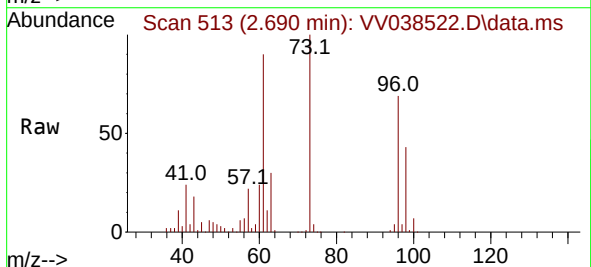
Instrument :
MSVOA_V
ClientSampleId :

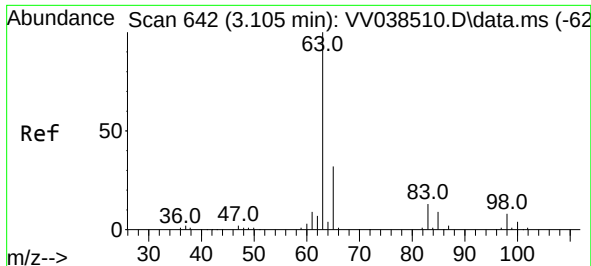
Tgt Ion: 73 Resp: 159920
Ion Ratio Lower Upper
73 100
43 18.1 14.6 21.8
57 21.8 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.736 ug/L
RT: 2.690 min Scan# 513
Delta R.T. 0.000 min
Lab File: VV038522.D
Acq: 23 Jan 2025 21:35

Tgt Ion: 96 Resp: 80788
Ion Ratio Lower Upper
96 100
61 131.5 94.8 176.2
98 62.5 44.2 82.2





#19

1,1-Dichloroethane

Concen: 4.657 ug/L

RT: 3.105 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

Instrument :

MSVOA_V

ClientSampleId :

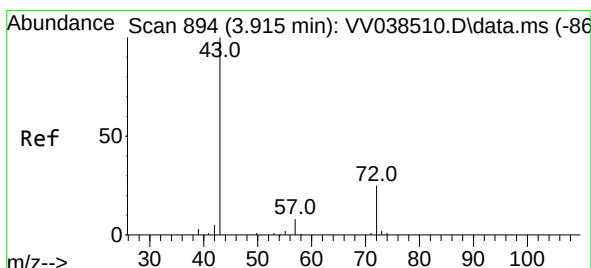
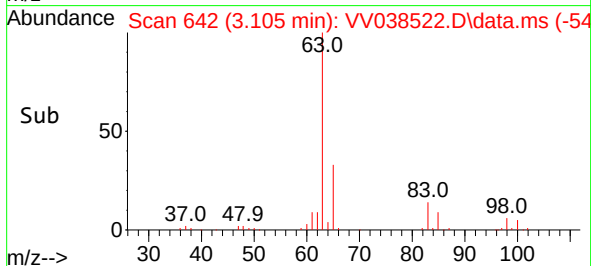
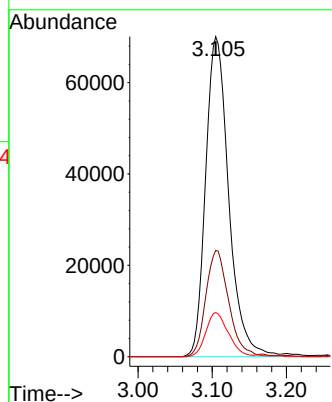
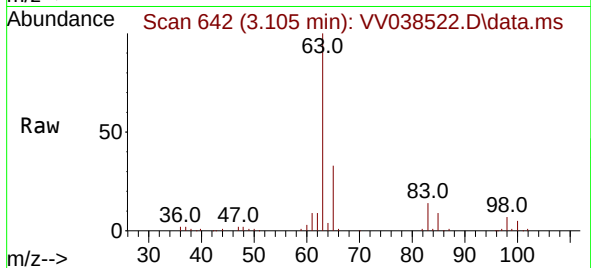
Tgt Ion: 63 Resp: 151199

Ion Ratio Lower Upper

63 100

65 33.2 22.5 41.9

83 13.8 9.4 17.6



#21

2-Butanone

Concen: 44.249 ug/L

RT: 3.880 min Scan# 883

Delta R.T. -0.035 min

Lab File: VV038522.D

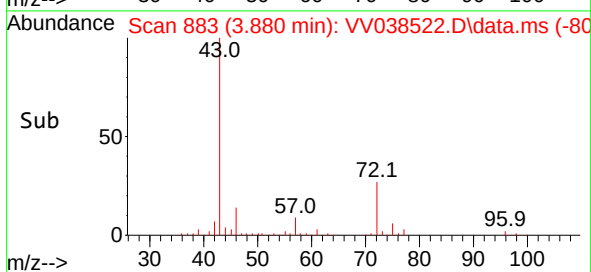
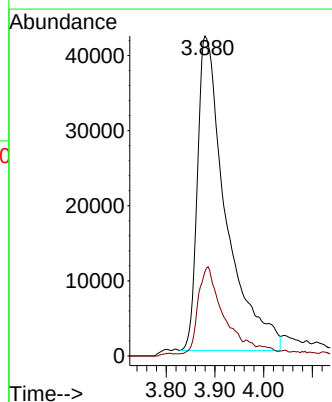
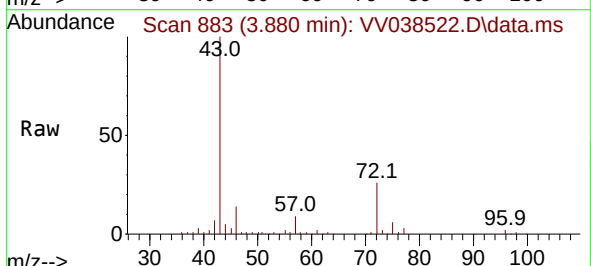
Acq: 23 Jan 2025 21:35

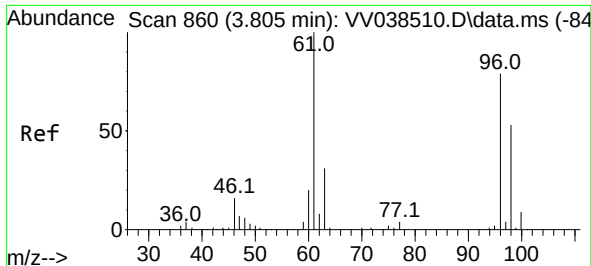
Tgt Ion: 43 Resp: 169496

Ion Ratio Lower Upper

43 100

72 23.1 12.2 36.4





#22

cis-1,2-Dichloroethene

Concen: 4.645 ug/L

RT: 3.806 min Scan# 80

Delta R.T. 0.000 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

Instrument :

MSVOA_V

ClientSampleId :

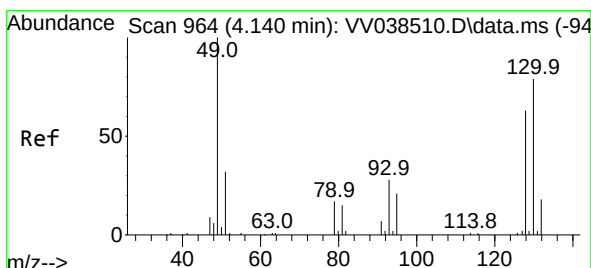
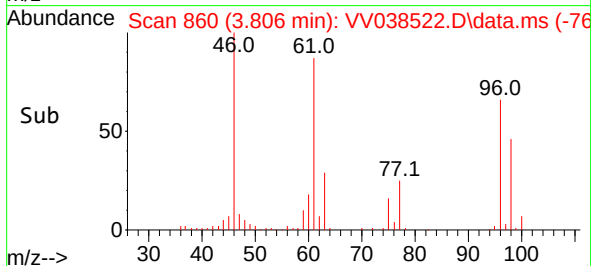
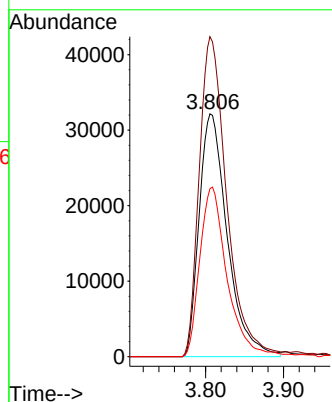
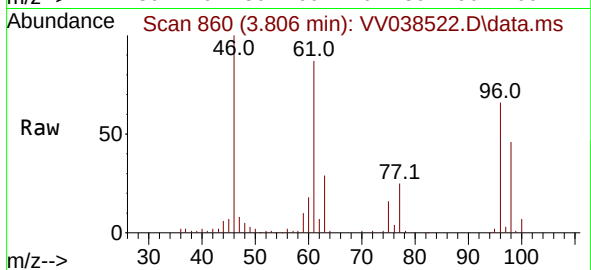
Tgt Ion: 96 Resp: 80560

Ion Ratio Lower Upper

96 100

61 131.7 86.5 160.7

98 69.2 43.8 81.3



#23

Bromochloromethane

Concen: 4.923 ug/L

RT: 4.146 min Scan# 966

Delta R.T. 0.007 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

Tgt Ion: 128 Resp: 38846

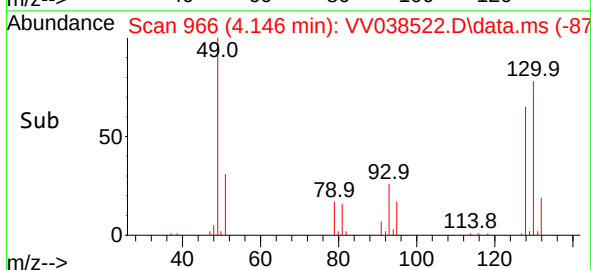
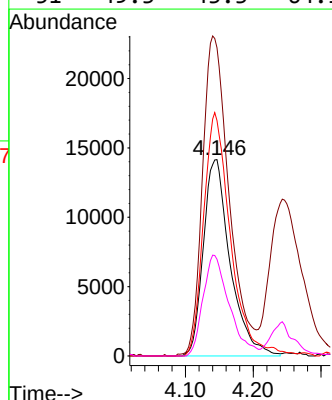
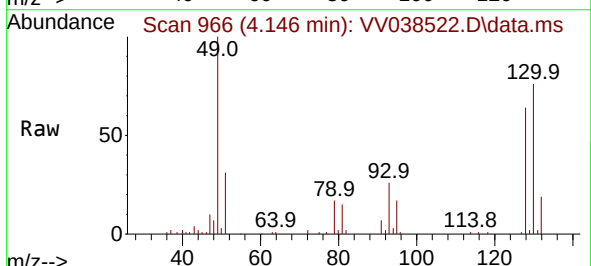
Ion Ratio Lower Upper

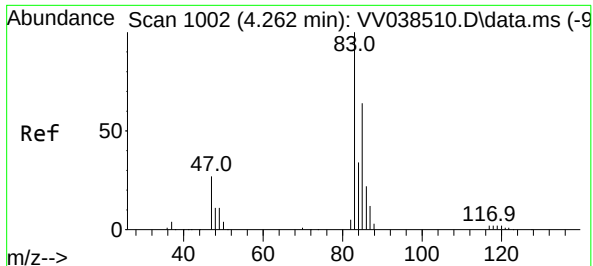
128 100

49 157.0 121.0 224.8

130 119.9 90.1 167.3

51 49.3 43.3 64.9





#25

Chloroform

Concen: 4.906 ug/L

RT: 4.265 min Scan# 1002

Delta R.T. 0.003 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

Instrument :

MSVOA_V

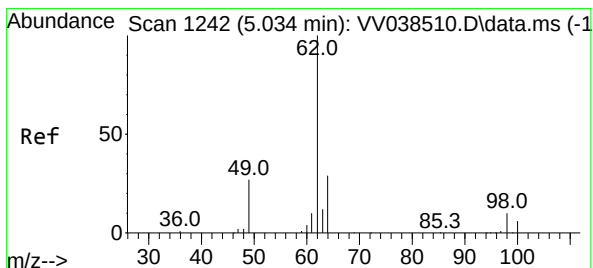
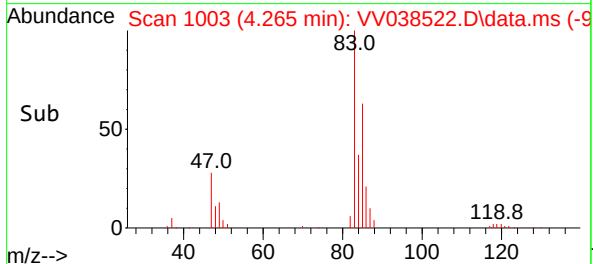
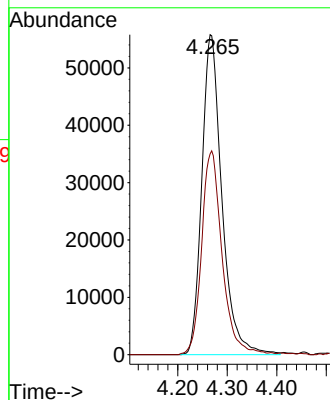
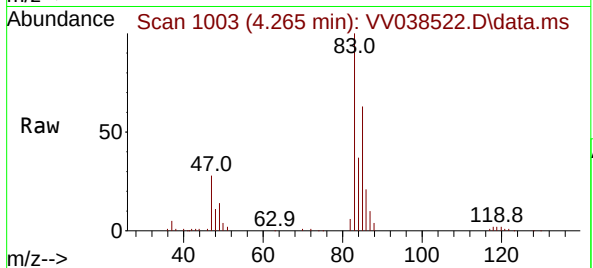
ClientSampleId :

Tgt Ion: 83 Resp: 157466

Ion Ratio Lower Upper

83 100

85 62.8 44.0 81.8



#27

1,2-Dichloroethane

Concen: 4.916 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VV038522.D

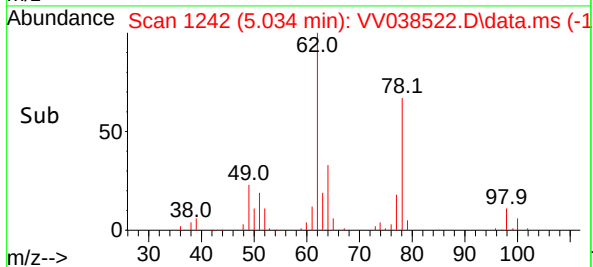
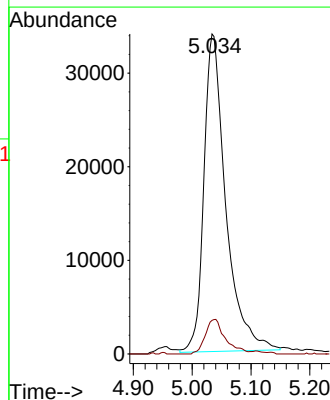
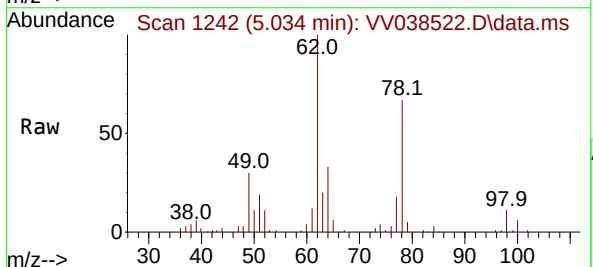
Acq: 23 Jan 2025 21:35

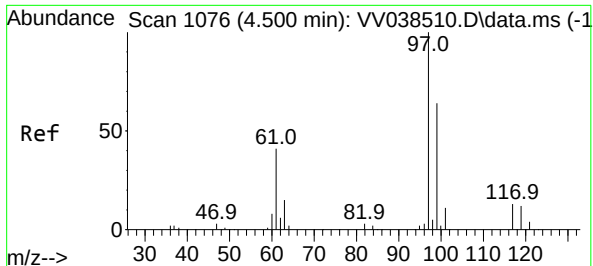
Tgt Ion: 62 Resp: 87746

Ion Ratio Lower Upper

62 100

98 10.5 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 4.835 ug/L

RT: 4.500 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

Instrument :

MSVOA_V

ClientSampleId :

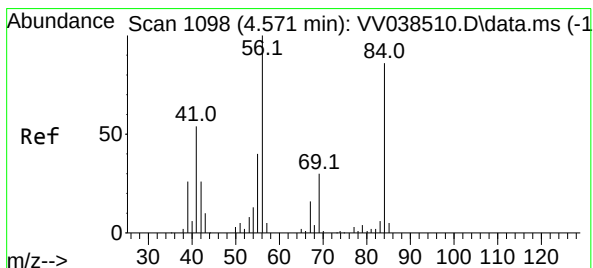
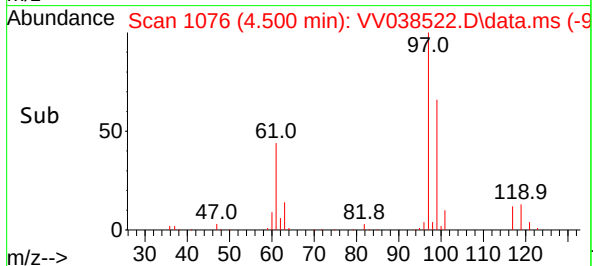
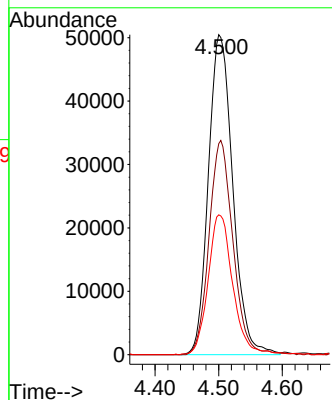
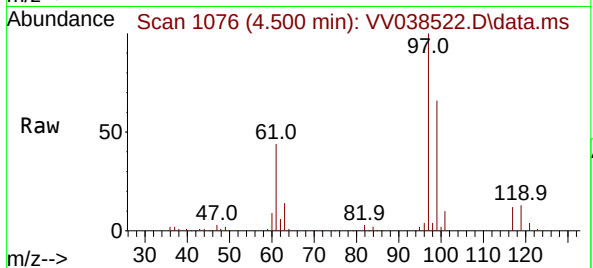
Tgt Ion: 97 Resp: 134618

Ion Ratio Lower Upper

97 100

99 65.0 52.9 79.3

61 44.2 36.4 54.6



#30

Cyclohexane

Concen: 4.779 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. 0.000 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

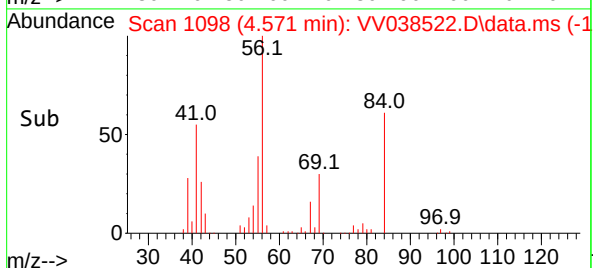
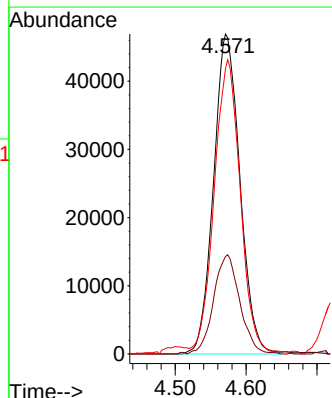
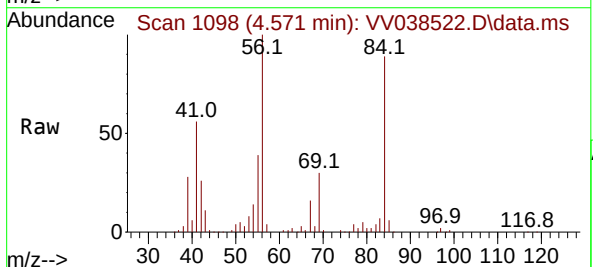
Tgt Ion: 56 Resp: 121179

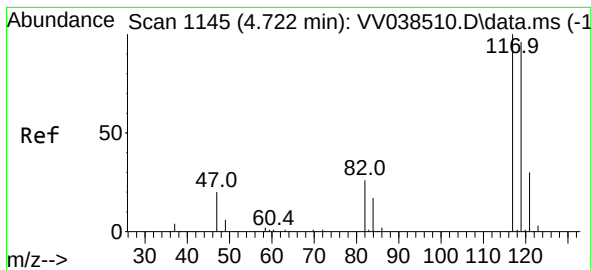
Ion Ratio Lower Upper

56 100

69 30.8 24.7 37.1

84 89.3 68.2 102.2





#31

Carbon tetrachloride

Concen: 4.938 ug/L

RT: 4.725 min Scan# 1145

Delta R.T. 0.003 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

Instrument :

MSVOA_V

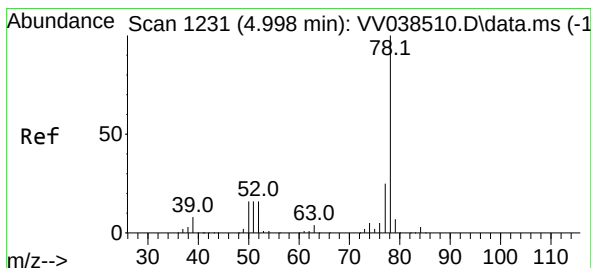
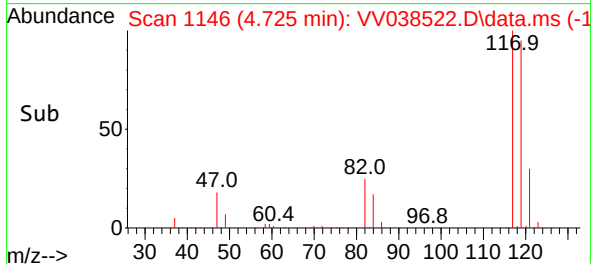
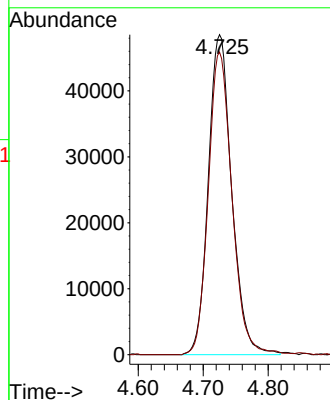
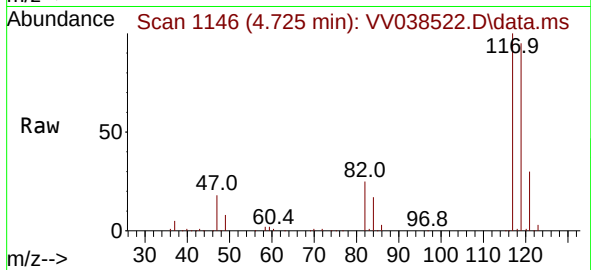
ClientSampleId :

Tgt Ion:117 Resp: 121510

Ion Ratio Lower Upper

117 100

119 95.0 76.6 115.0



#33

Benzene

Concen: 4.937 ug/L

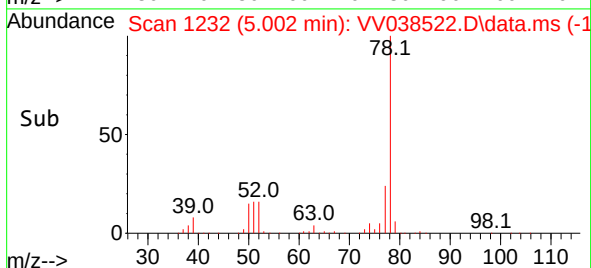
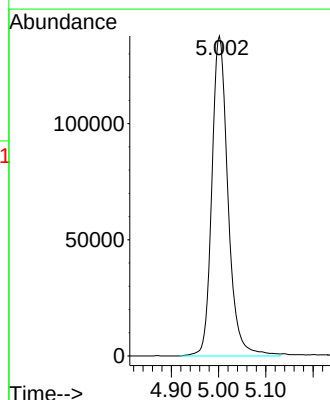
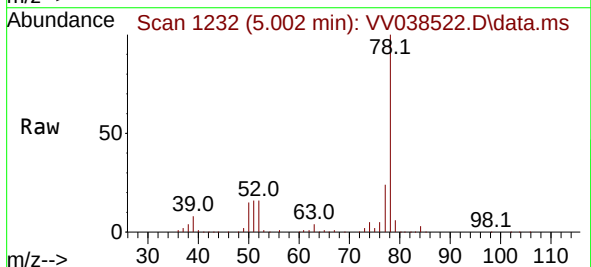
RT: 5.002 min Scan# 1232

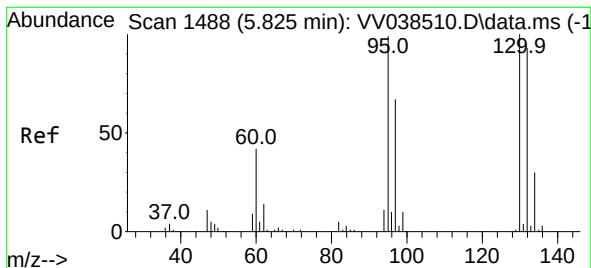
Delta R.T. 0.003 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

Tgt Ion: 78 Resp: 328307





#34

Trichloroethene

Concen: 4.792 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 82816

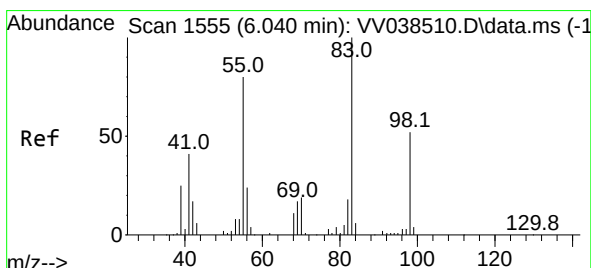
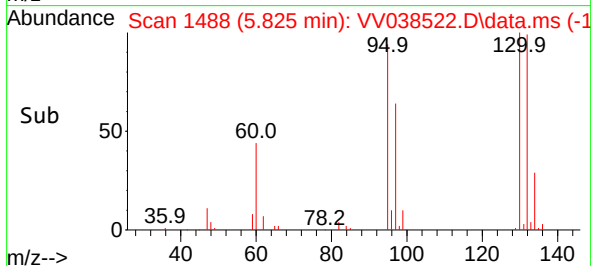
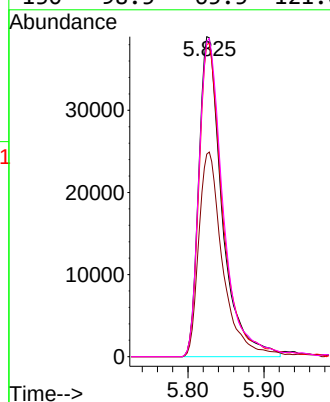
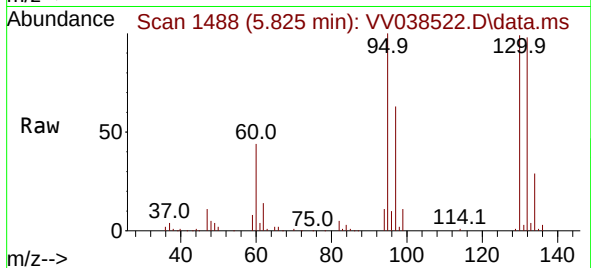
Ion Ratio Lower Upper

95 100

97 63.3 43.4 80.6

132 97.6 65.5 121.6

130 98.5 65.5 121.6



#35

Methylcyclohexane

Concen: 4.915 ug/L

RT: 6.040 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

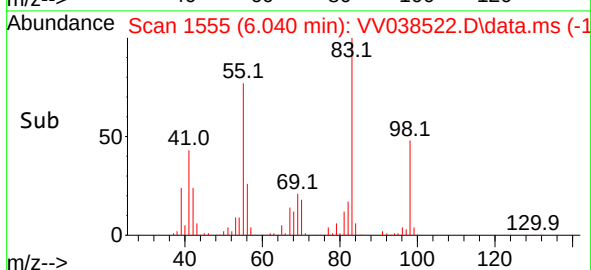
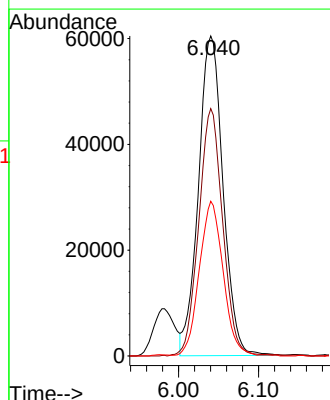
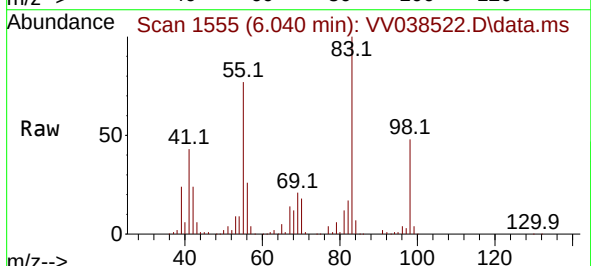
Tgt Ion: 83 Resp: 129465

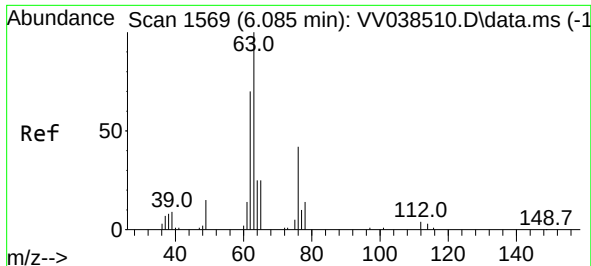
Ion Ratio Lower Upper

83 100

55 75.2 59.4 89.0

98 46.3 37.8 56.8





#37

1,2-Dichloropropane

Concen: 4.927 ug/L

RT: 6.085 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

Instrument :

MSVOA_V

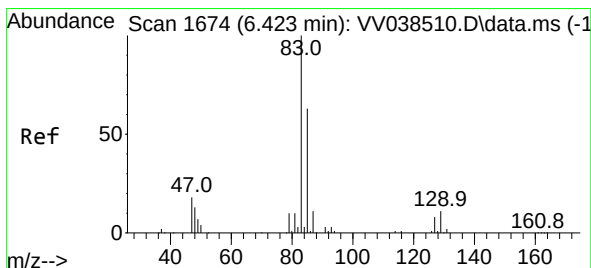
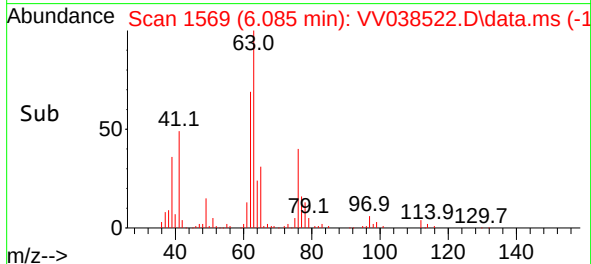
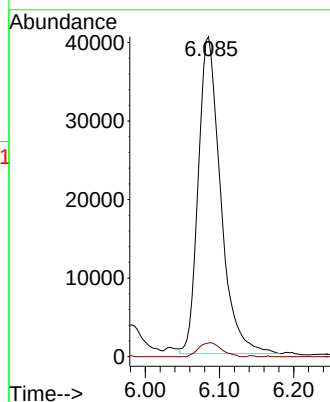
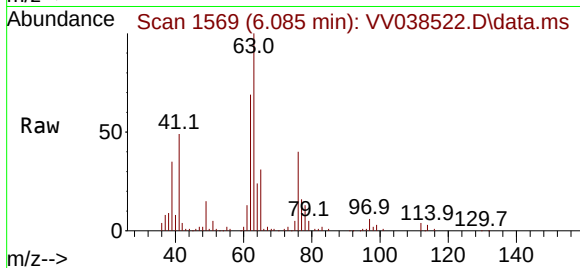
ClientSampleId :

Tgt Ion: 63 Resp: 84605

Ion Ratio Lower Upper

63 100

112 4.5 4.1 6.1



#38

Bromodichloromethane

Concen: 4.756 ug/L

RT: 6.426 min Scan# 1675

Delta R.T. 0.003 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

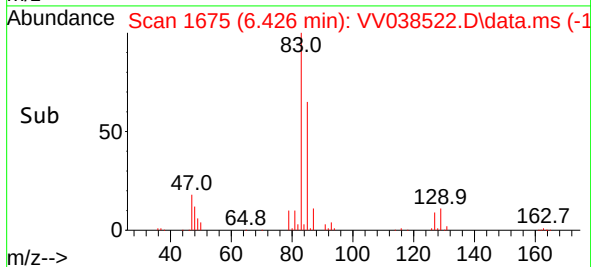
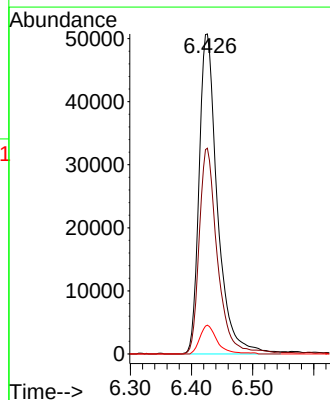
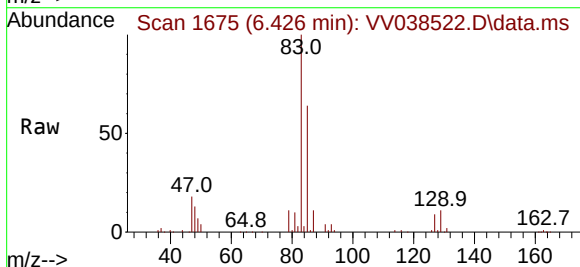
Tgt Ion: 83 Resp: 105933

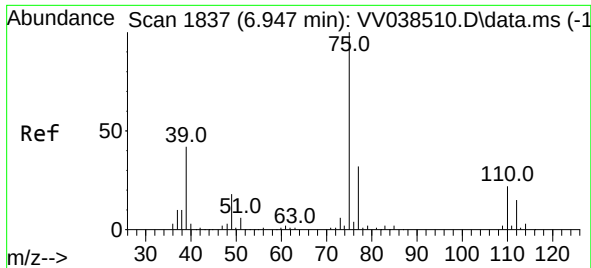
Ion Ratio Lower Upper

83 100

85 64.3 44.7 83.1

127 9.0 6.8 10.2

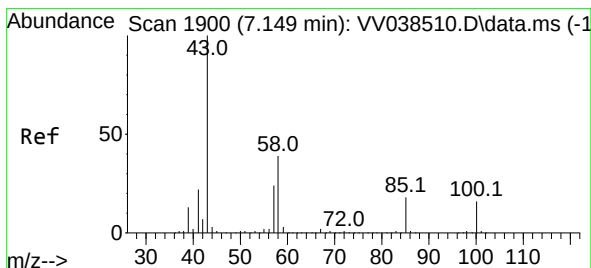
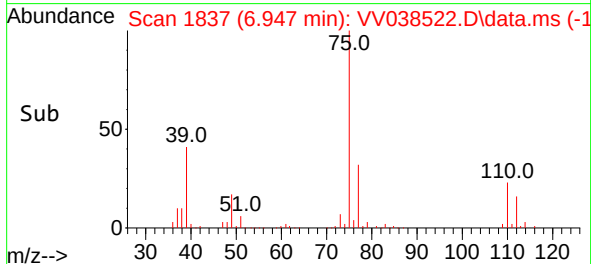
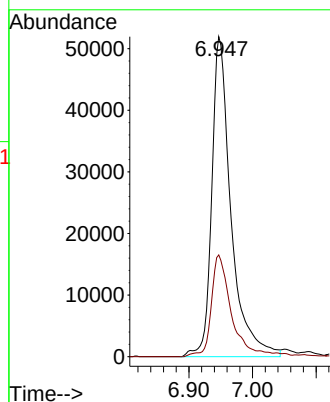
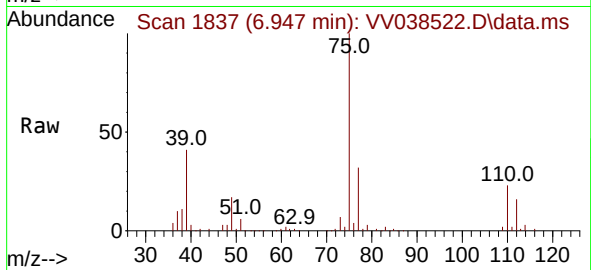




#39
 cis-1,3-Dichloropropene
 Concen: 4.615 ug/L
 RT: 6.947 min Scan# 1837
 Delta R.T. 0.000 min
 Lab File: VV038522.D
 Acq: 23 Jan 2025 21:35

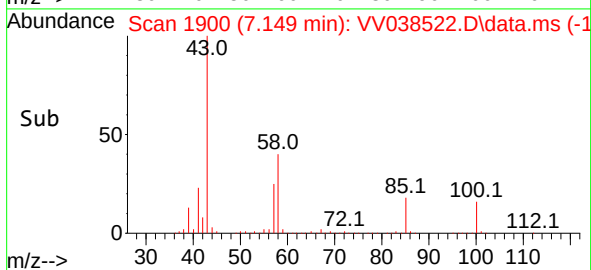
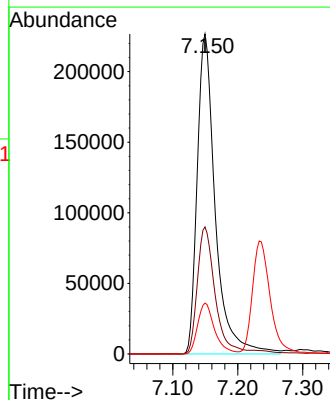
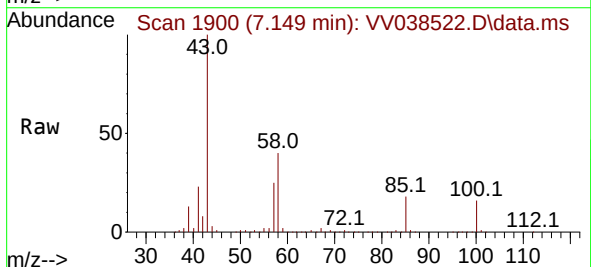
Instrument :
 MSVOA_V
 ClientSampleId :

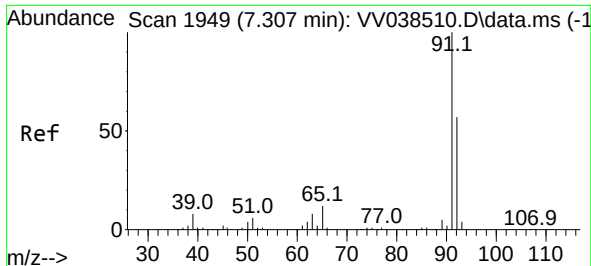
Tgt Ion: 75 Resp: 109248
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 49.437 ug/L
 RT: 7.149 min Scan# 1900
 Delta R.T. 0.000 min
 Lab File: VV038522.D
 Acq: 23 Jan 2025 21:35

Tgt Ion: 43 Resp: 439252
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.7 47.5
 100 15.0 12.4 18.6





#42

Toluene

Concen: 5.145 ug/L

RT: 7.307 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

Instrument :

MSVOA_V

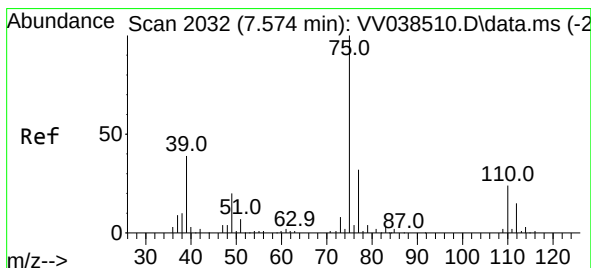
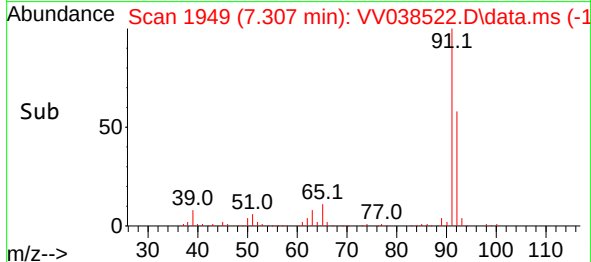
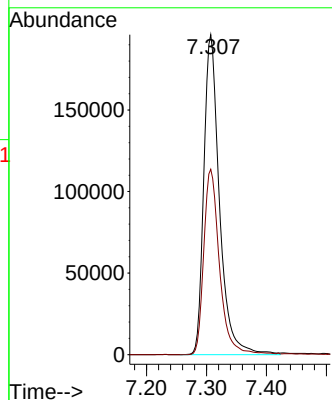
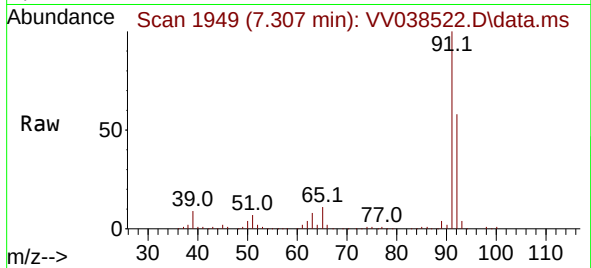
ClientSampleId :

Tgt Ion: 91 Resp: 356579

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 4.655 ug/L

RT: 7.574 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VV038522.D

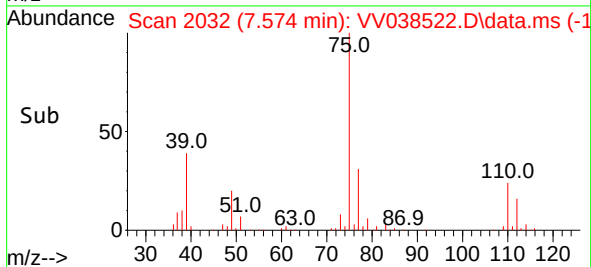
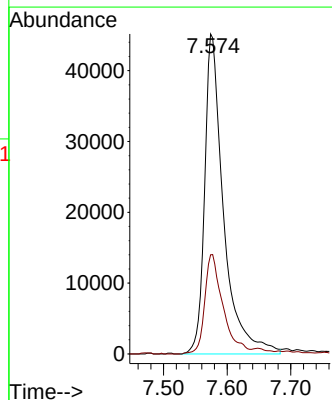
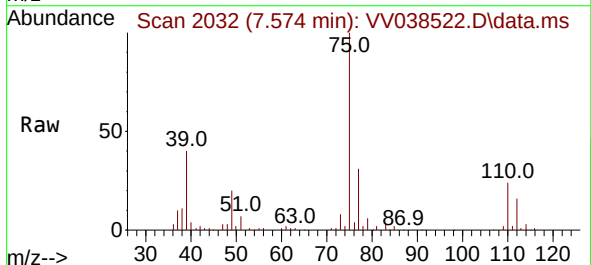
Acq: 23 Jan 2025 21:35

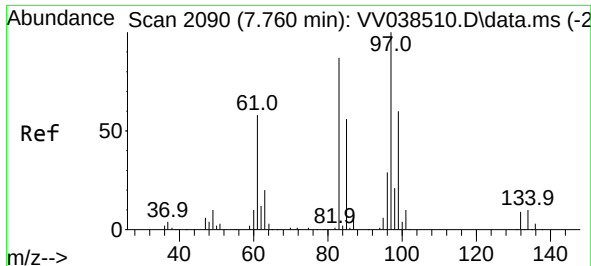
Tgt Ion: 75 Resp: 93370

Ion Ratio Lower Upper

75 100

77 31.0 22.8 42.4





#45

1,1,2-Trichloroethane

Concen: 4.833 ug/L

RT: 7.760 min Scan# 2090

Delta R.T. 0.000 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 59701

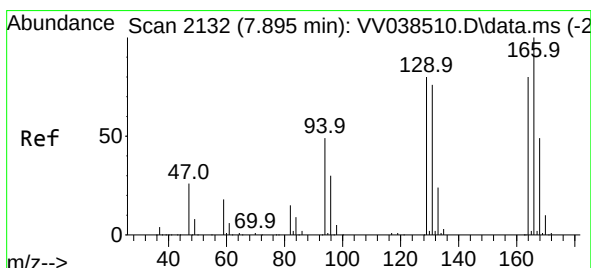
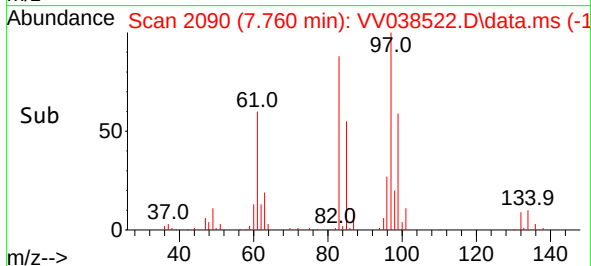
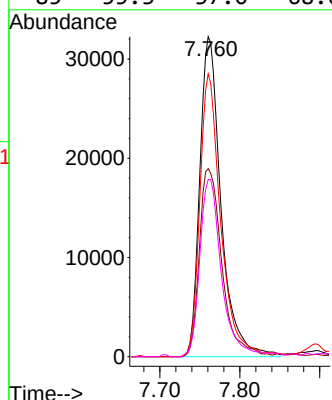
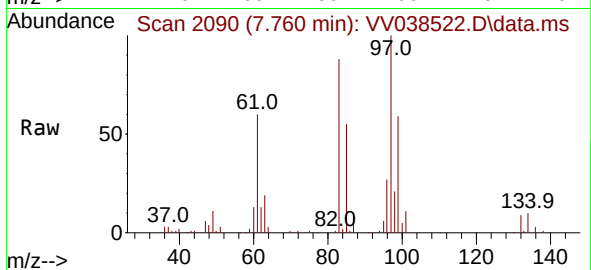
Ion Ratio Lower Upper

97 100

99 58.7 42.3 78.5

83 88.4 59.4 110.4

85 55.3 37.0 68.6



#47

Tetrachloroethene

Concen: 4.979 ug/L

RT: 7.895 min Scan# 2132

Delta R.T. 0.000 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

Tgt Ion: 164 Resp: 66595

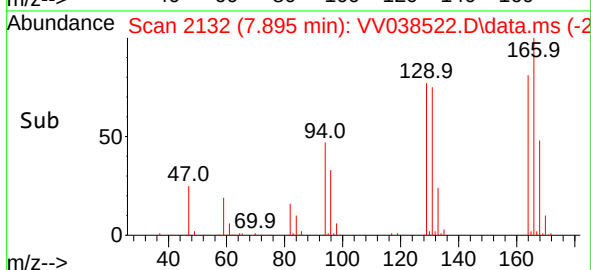
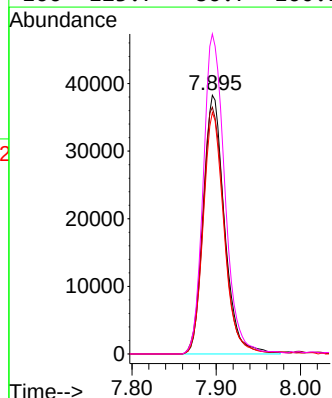
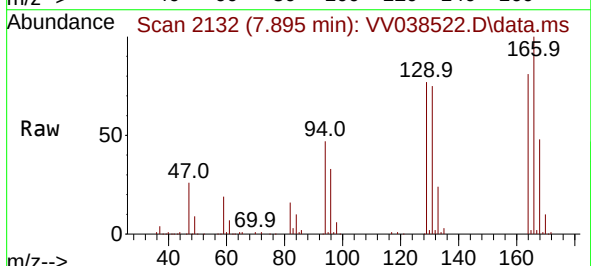
Ion Ratio Lower Upper

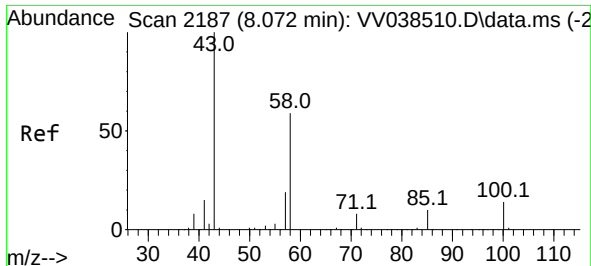
164 100

129 95.4 68.9 127.9

131 93.4 65.2 121.2

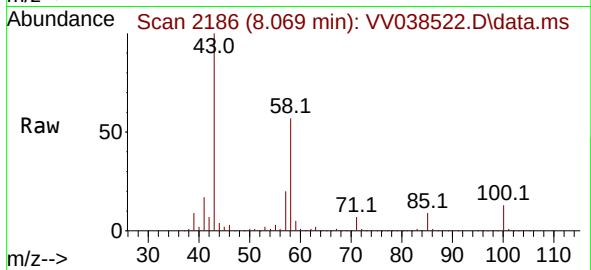
166 123.7 86.7 160.9



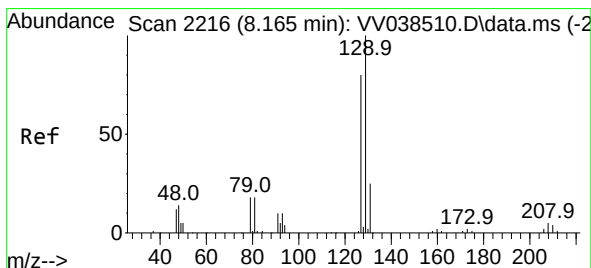
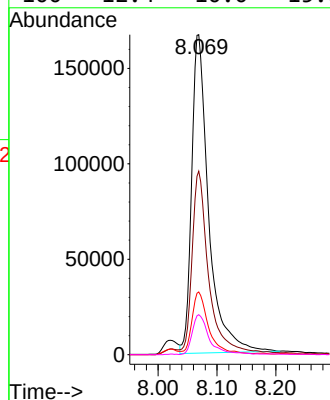
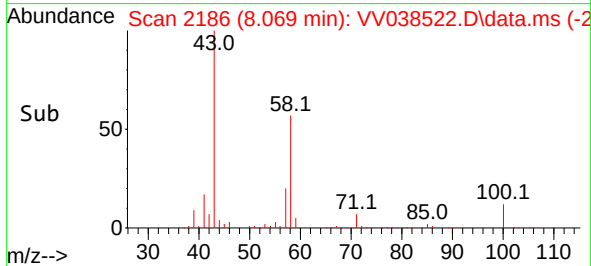


#48
2-Hexanone
Concen: 51.995 ug/L
RT: 8.069 min Scan# 2186
Delta R.T. -0.003 min
Lab File: VV038522.D
Acq: 23 Jan 2025 21:35

Instrument :
MSVOA_V
ClientSampleId :

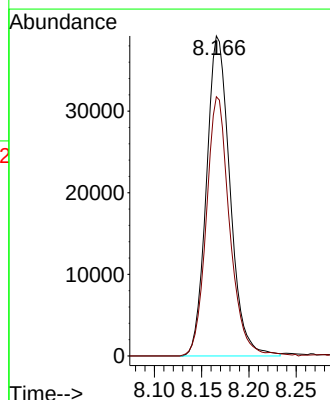
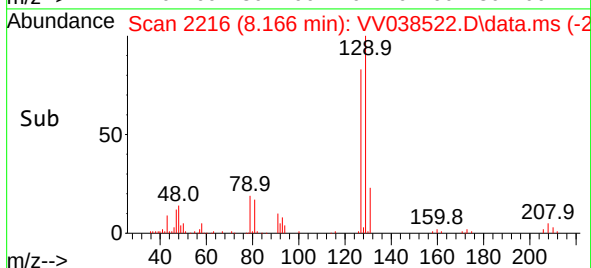
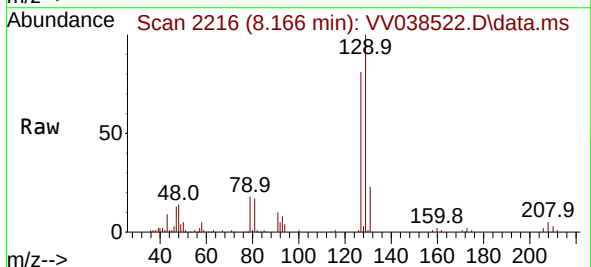


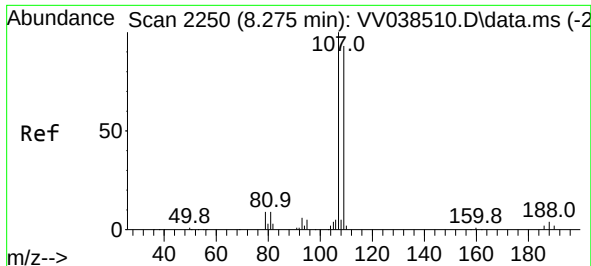
Tgt Ion: 43 Resp: 334497
Ion Ratio Lower Upper
43 100
58 54.6 43.6 65.4
57 18.8 15.0 22.4
100 12.4 10.0 15.0



#49
Dibromochloromethane
Concen: 4.788 ug/L
RT: 8.166 min Scan# 2216
Delta R.T. 0.000 min
Lab File: VV038522.D
Acq: 23 Jan 2025 21:35

Tgt Ion: 129 Resp: 68080
Ion Ratio Lower Upper
129 100
127 81.0 52.8 98.2





#50

1,2-Dibromoethane

Concen: 5.011 ug/L

RT: 8.275 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV038522.D

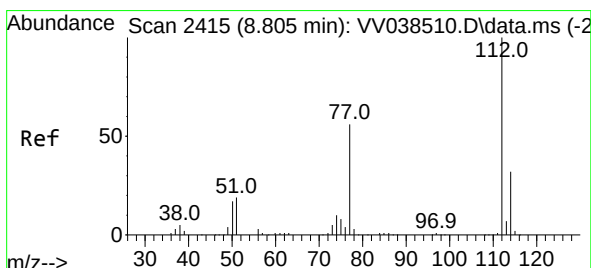
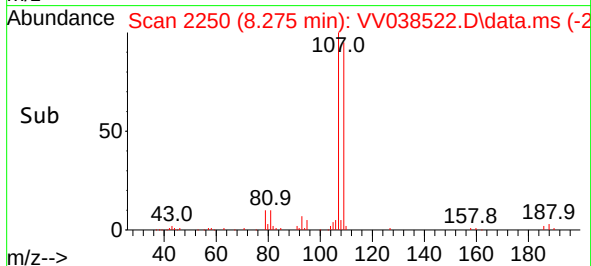
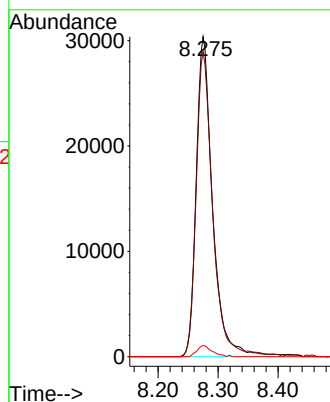
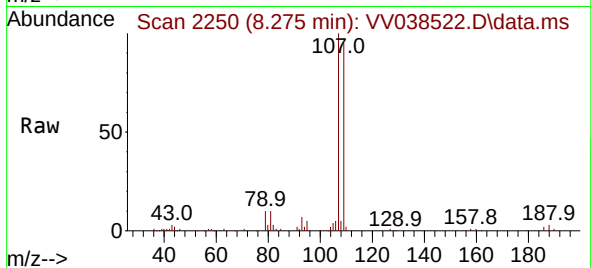
Acq: 23 Jan 2025 21:35

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	57589
Ion	Ratio	Lower Upper
107	100	
109	95.3	65.9 122.3
188	3.5	2.8 4.2



#51

Chlorobenzene

Concen: 4.817 ug/L

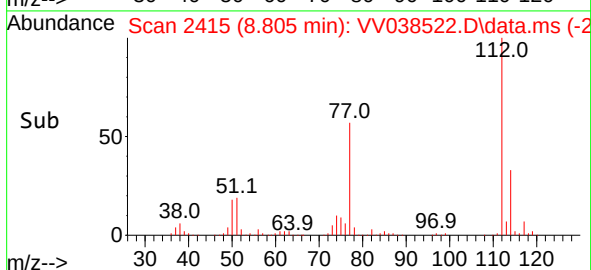
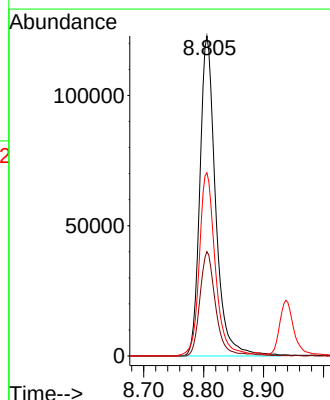
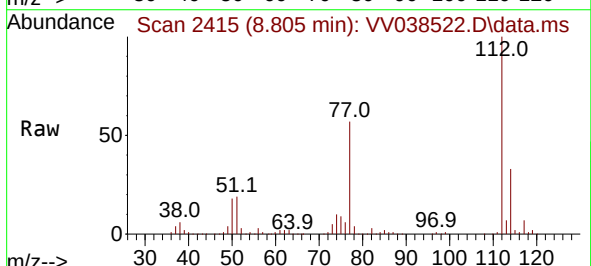
RT: 8.805 min Scan# 2415

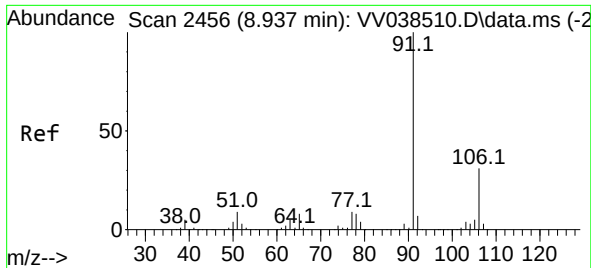
Delta R.T. 0.000 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

Tgt Ion:112	Resp:	224631
Ion	Ratio	Lower Upper
112	100	
114	32.6	22.9 42.5
77	57.3	46.1 69.1

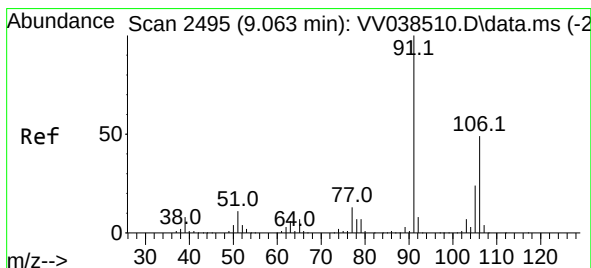
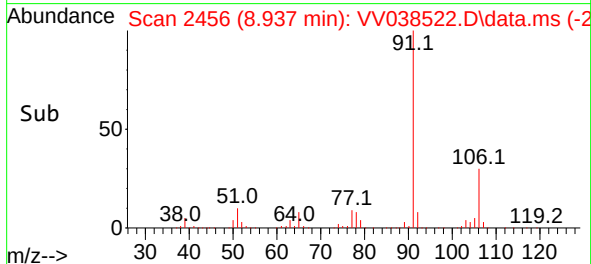
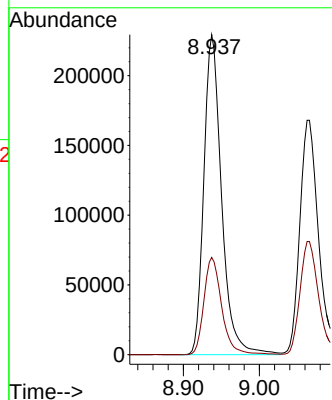
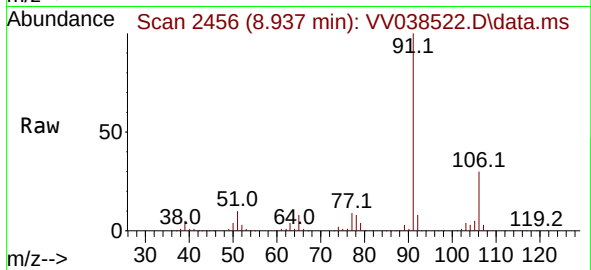




#52
Ethylbenzene
Concen: 4.979 ug/L
RT: 8.937 min Scan# 2456
Delta R.T. 0.000 min
Lab File: VV038522.D
Acq: 23 Jan 2025 21:35

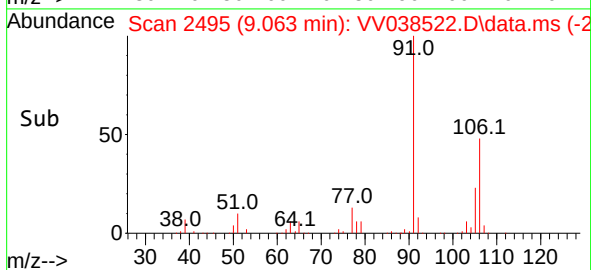
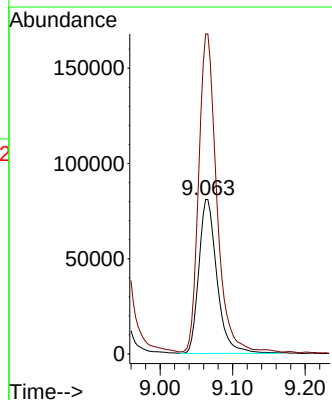
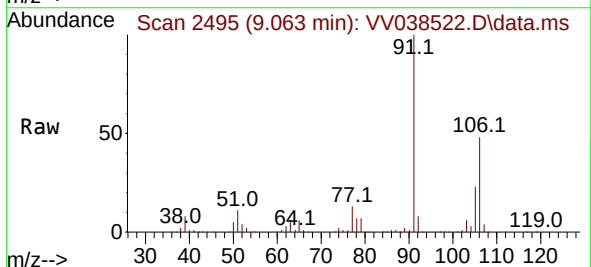
Instrument :
MSVOA_V
ClientSampleId :

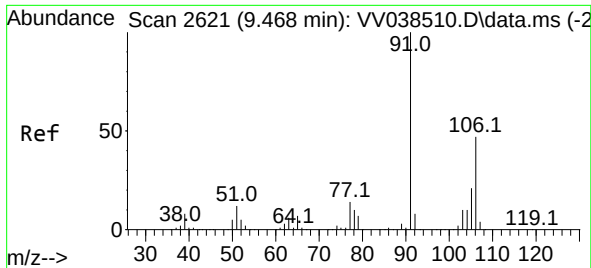
Tgt Ion: 91 Resp: 371141
Ion Ratio Lower Upper
91 100
106 30.4 22.0 40.8



#53
m,p-Xylene
Concen: 4.967 ug/L
RT: 9.063 min Scan# 2495
Delta R.T. 0.000 min
Lab File: VV038522.D
Acq: 23 Jan 2025 21:35

Tgt Ion: 106 Resp: 140368
Ion Ratio Lower Upper
106 100
91 207.1 148.2 275.2

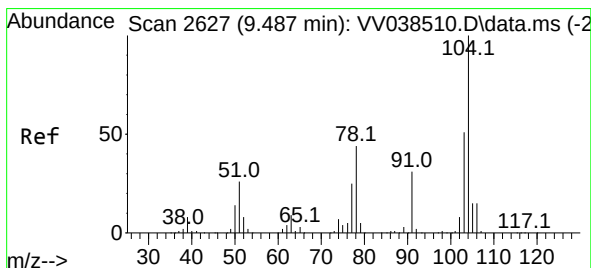
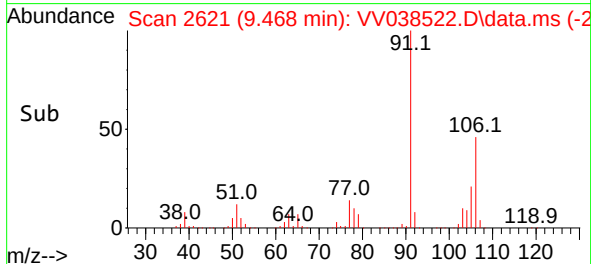
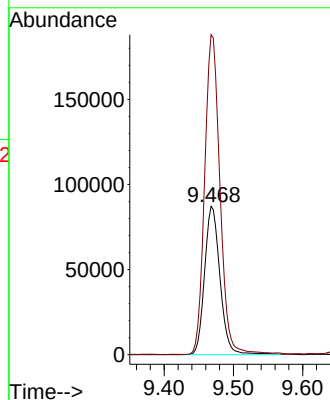
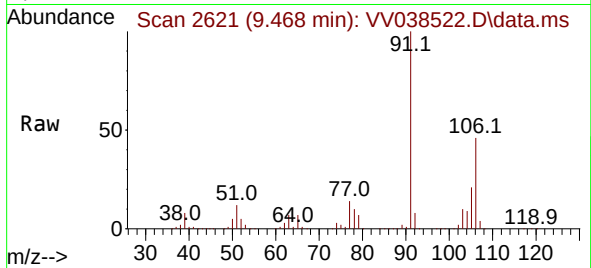




#54
o-Xylene
Concen: 5.005 ug/L
RT: 9.468 min Scan# 2621
Delta R.T. 0.000 min
Lab File: VV038522.D
Acq: 23 Jan 2025 21:35

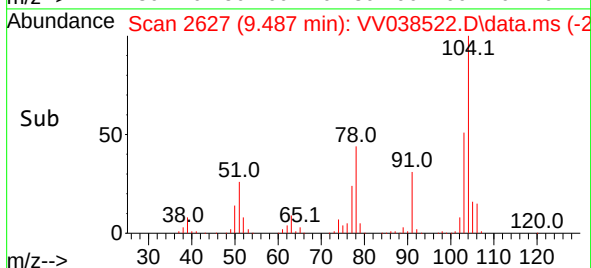
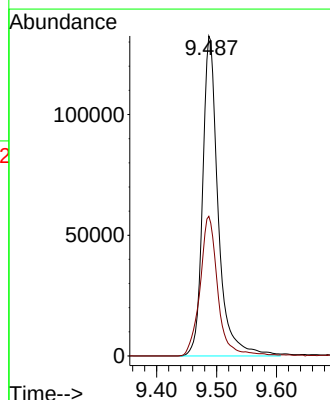
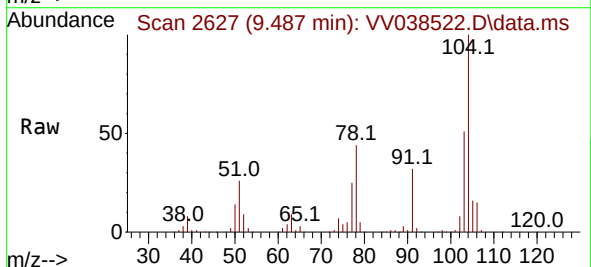
Instrument :
MSVOA_V
ClientSampleId :

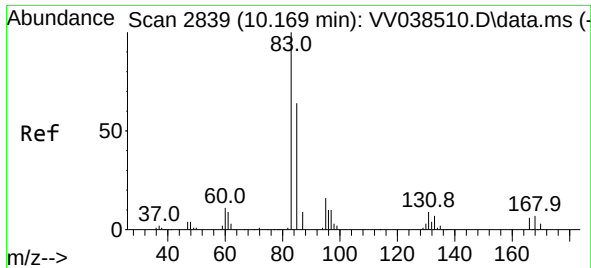
Tgt Ion:106 Resp: 134772
Ion Ratio Lower Upper
106 100
91 215.8 151.4 281.2



#55
Styrene
Concen: 5.111 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV038522.D
Acq: 23 Jan 2025 21:35

Tgt Ion:104 Resp: 239965
Ion Ratio Lower Upper
104 100
78 43.7 30.8 57.2

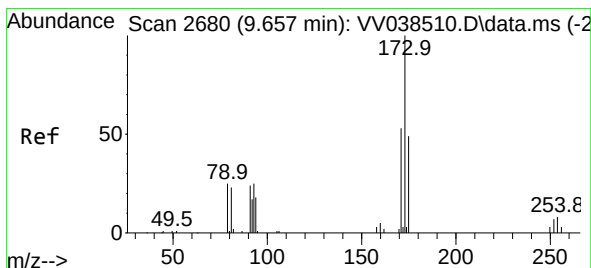
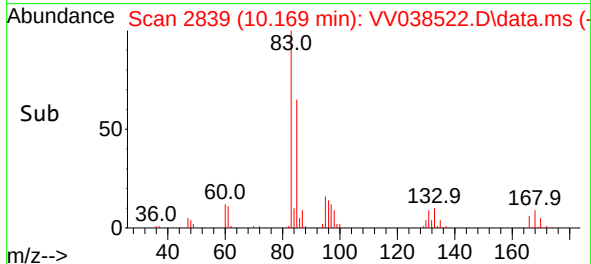
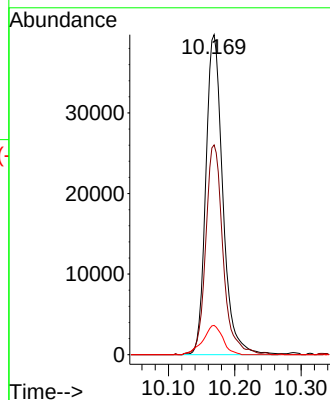
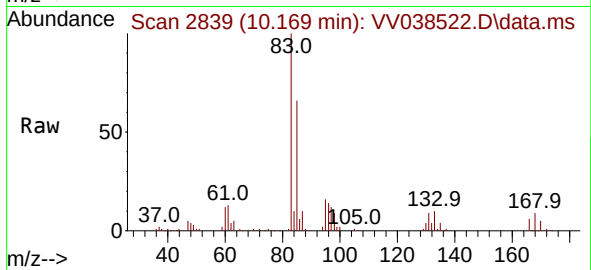




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.713 ug/L
 RT: 10.169 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV038522.D
 Acq: 23 Jan 2025 21:35

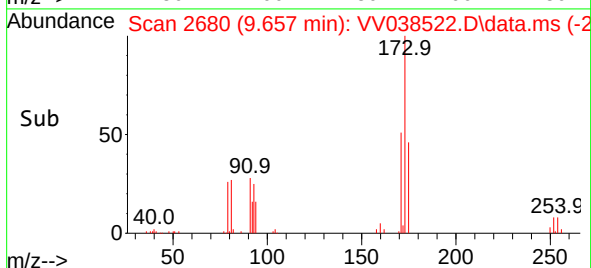
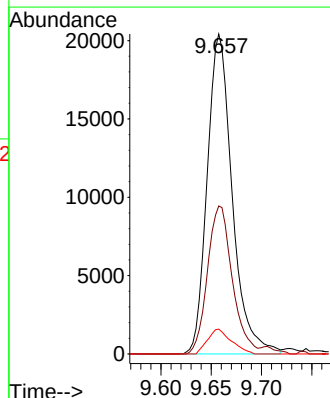
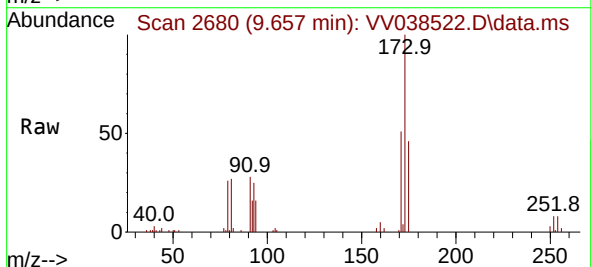
Instrument :
 MSVOA_V
 ClientSampleId :

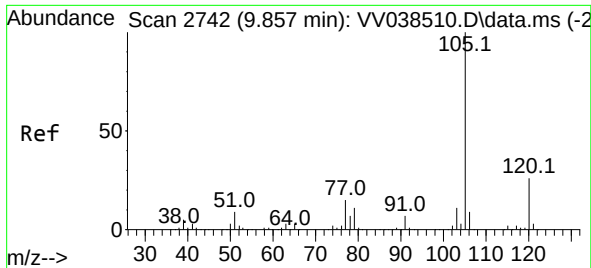
Tgt Ion: 83 Resp: 70888
 Ion Ratio Lower Upper
 83 100
 85 65.5 45.1 83.7
 131 9.2 7.5 11.3



#59
 Bromoform
 Concen: 4.473 ug/L
 RT: 9.657 min Scan# 2680
 Delta R.T. 0.000 min
 Lab File: VV038522.D
 Acq: 23 Jan 2025 21:35

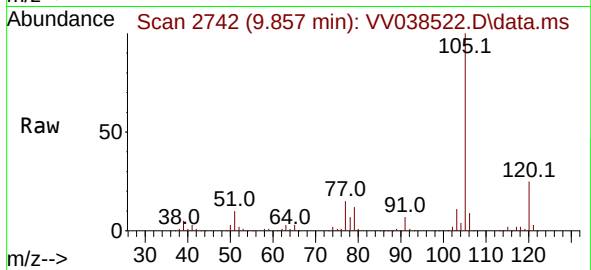
Tgt Ion: 173 Resp: 35323
 Ion Ratio Lower Upper
 173 100
 175 45.7 37.6 56.4
 254 7.3 5.6 8.4



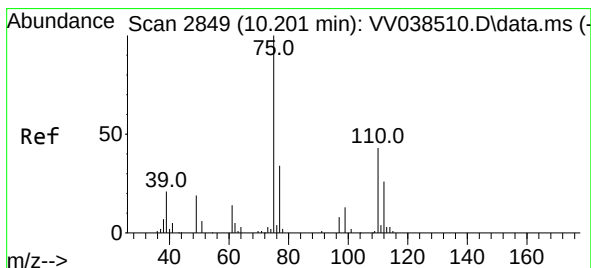
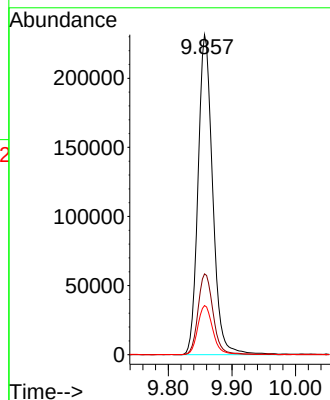
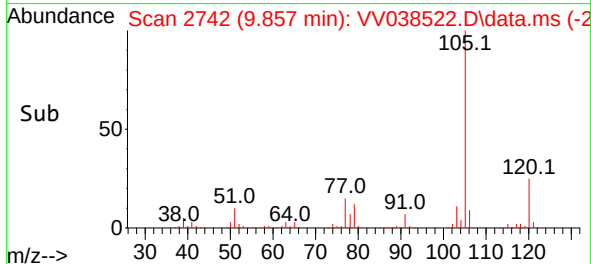


#60
Isopropylbenzene
Concen: 4.852 ug/L
RT: 9.857 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV038522.D
Acq: 23 Jan 2025 21:35

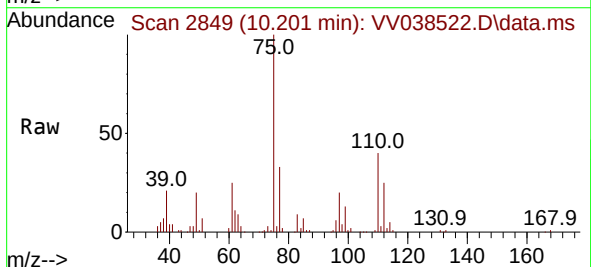
Instrument :
MSVOA_V
ClientSampleId :



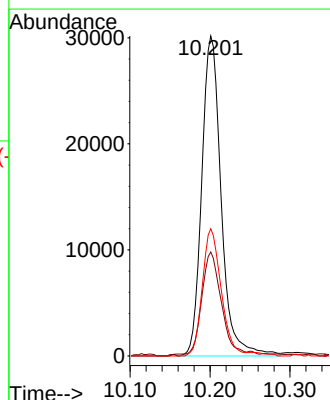
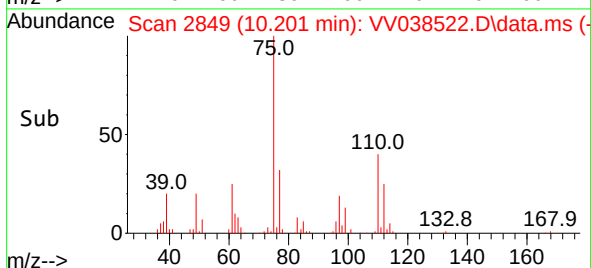
Tgt Ion:105 Resp: 369699
Ion Ratio Lower Upper
105 100
120 26.0 21.4 32.2
77 15.7 12.7 19.1

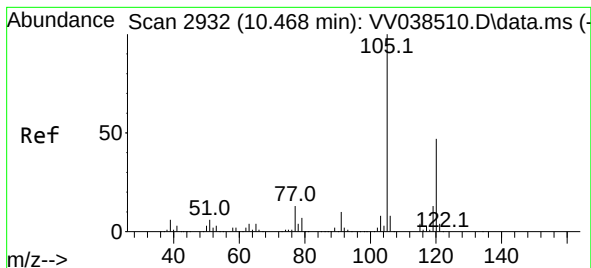


#61
1,2,3-Trichloropropane
Concen: 4.701 ug/L
RT: 10.201 min Scan# 2849
Delta R.T. 0.000 min
Lab File: VV038522.D
Acq: 23 Jan 2025 21:35



Tgt Ion: 75 Resp: 51145
Ion Ratio Lower Upper
75 100
77 33.1 25.4 38.0
110 38.4 32.6 48.8





#62

1,3,5-Trimethylbenzene

Concen: 4.723 ug/L

RT: 10.468 min Scan# 2932

Delta R.T. 0.000 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

Instrument :

MSVOA_V

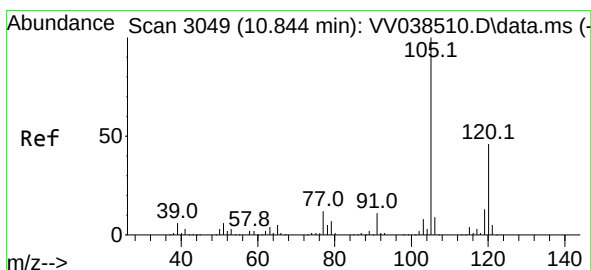
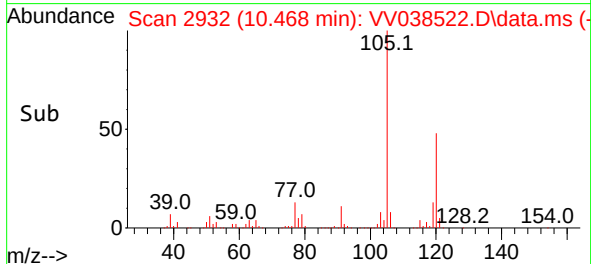
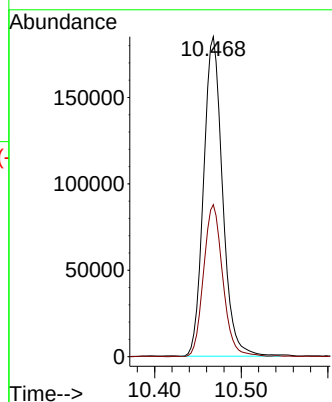
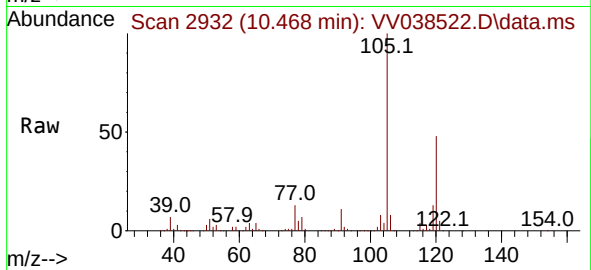
ClientSampleId :

Tgt Ion:105 Resp: 281834

Ion Ratio Lower Upper

105 100

120 47.8 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 4.779 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VV038522.D

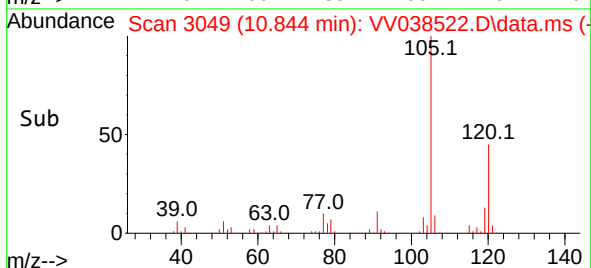
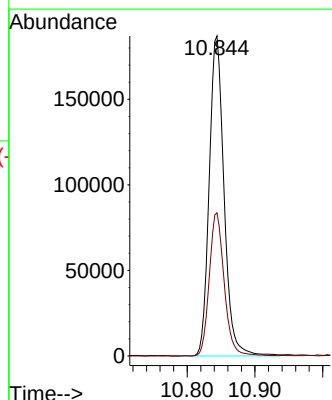
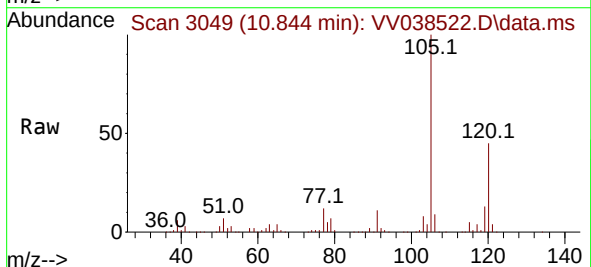
Acq: 23 Jan 2025 21:35

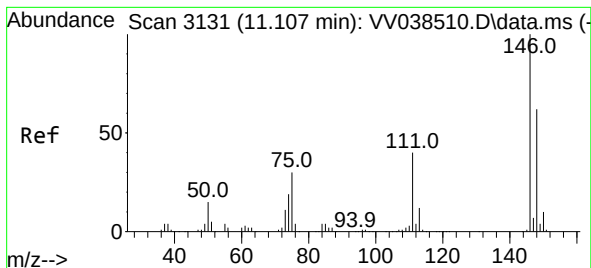
Tgt Ion:105 Resp: 284804

Ion Ratio Lower Upper

105 100

120 45.0 35.8 53.8





#64

1,3-Dichlorobenzene

Concen: 4.877 ug/L

RT: 11.108 min Scan# 3131

Delta R.T. 0.000 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

Instrument :

MSVOA_V

ClientSampleId :

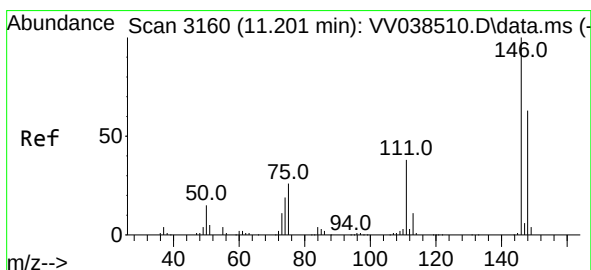
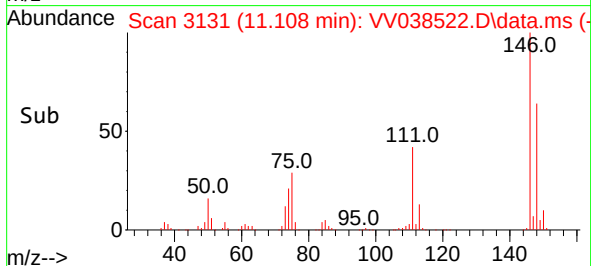
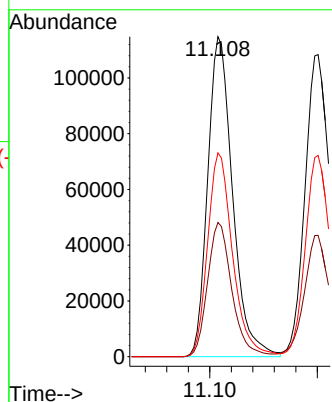
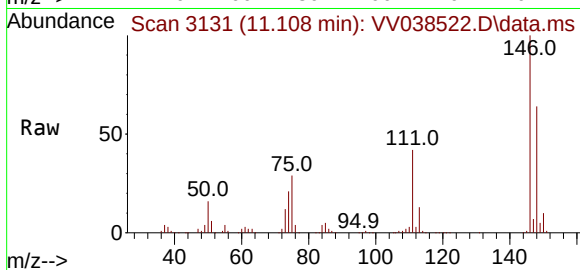
Tgt Ion:146 Resp: 184322

Ion Ratio Lower Upper

146 100

111 42.0 27.9 51.9

148 63.7 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 4.695 ug/L

RT: 11.201 min Scan# 3160

Delta R.T. 0.000 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

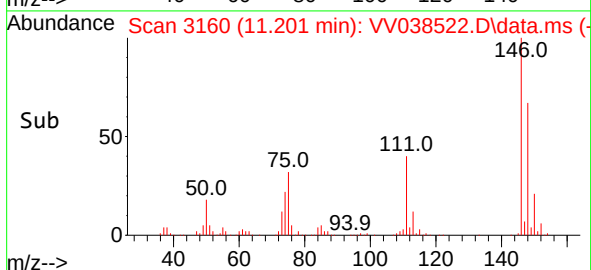
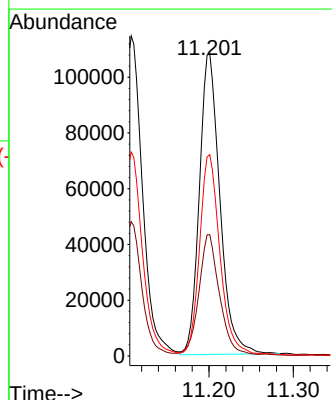
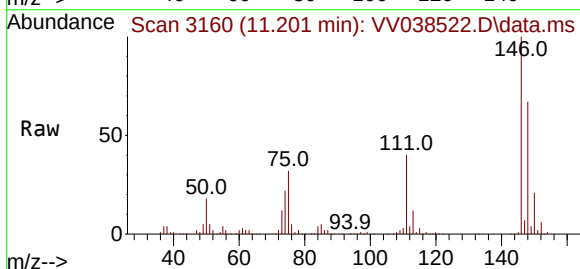
Tgt Ion:146 Resp: 183497

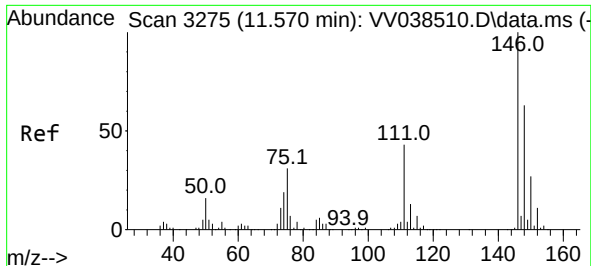
Ion Ratio Lower Upper

146 100

111 40.1 28.1 52.3

148 66.6 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 4.755 ug/L

RT: 11.571 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

Instrument :

MSVOA_V

ClientSampleId :

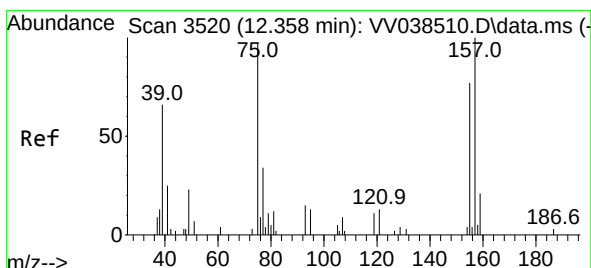
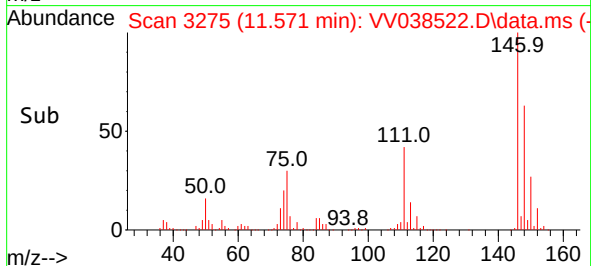
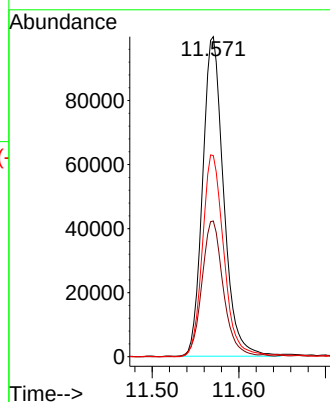
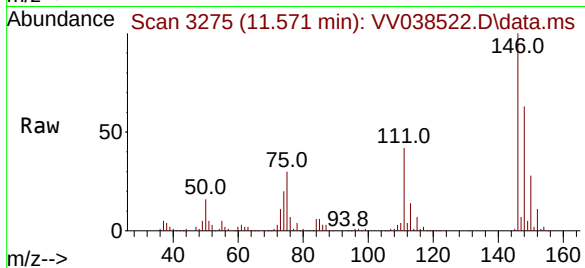
Tgt Ion:146 Resp: 168327

Ion Ratio Lower Upper

146 100

111 42.4 33.4 50.0

148 62.9 49.9 74.9



#68

1,2-Dibromo-3-chloropropane

Concen: 4.084 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. 0.000 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

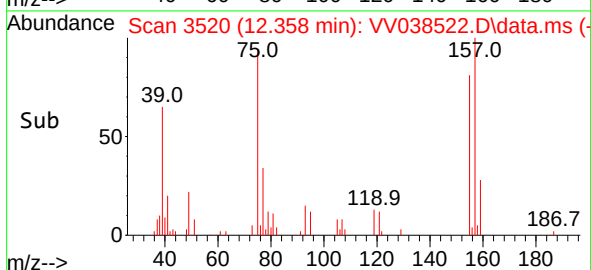
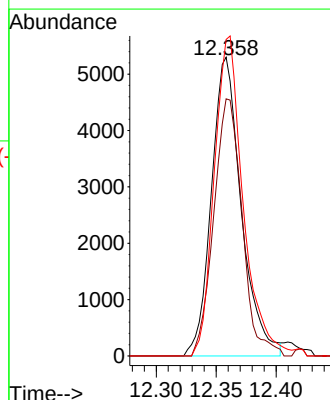
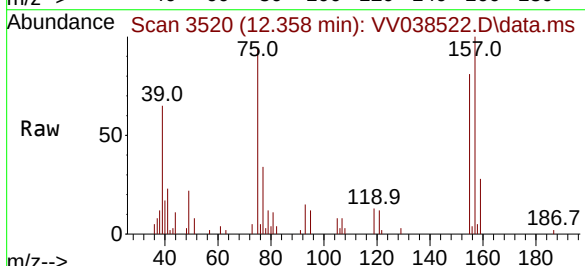
Tgt Ion: 75 Resp: 9183

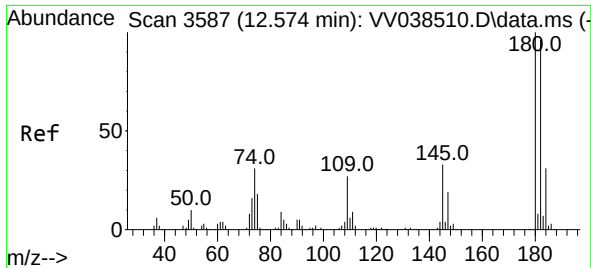
Ion Ratio Lower Upper

75 100

155 86.1 56.7 85.1#

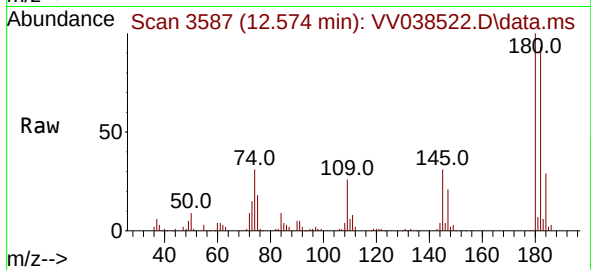
157 105.9 74.4 111.6



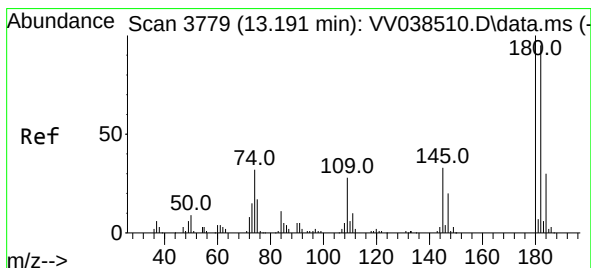
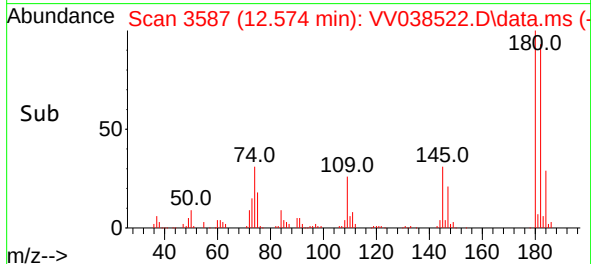
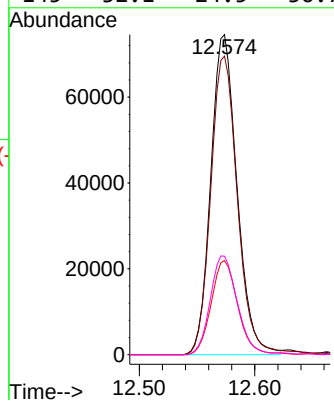


#69
 1,3,5-Trichlorobenzene
 Concen: 4.527 ug/L
 RT: 12.574 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV038522.D
 Acq: 23 Jan 2025 21:35

Instrument :
 MSVOA_V
 ClientSampleId :

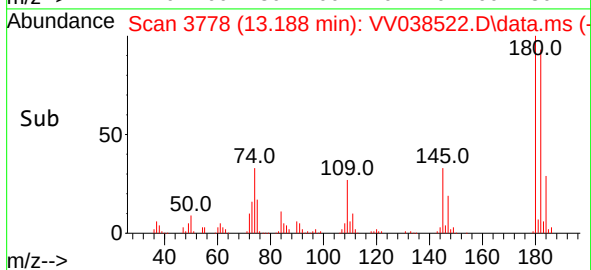
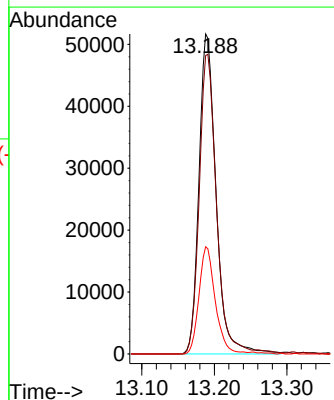
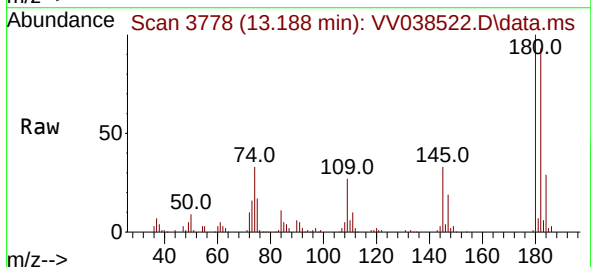


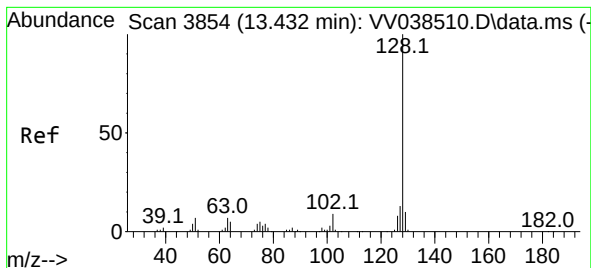
Tgt Ion:180 Resp: 117696
 Ion Ratio Lower Upper
 180 100
 182 95.2 74.3 111.5
 184 29.5 23.2 34.8
 145 32.1 24.5 36.7



#70
 1,2,4-trichlorobenzene
 Concen: 4.385 ug/L
 RT: 13.188 min Scan# 3778
 Delta R.T. -0.003 min
 Lab File: VV038522.D
 Acq: 23 Jan 2025 21:35

Tgt Ion:180 Resp: 84736
 Ion Ratio Lower Upper
 180 100
 182 93.7 77.5 116.3
 145 31.9 26.2 39.4





#71

Naphthalene

Concen: 3.422 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. 0.000 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

Instrument :

MSVOA_V

ClientSampleId :

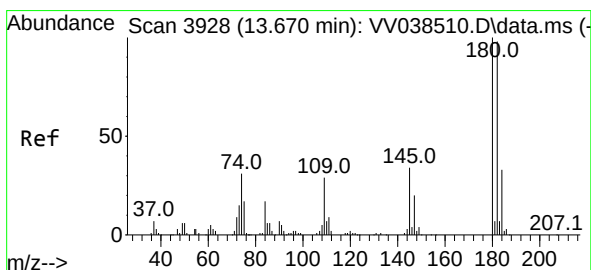
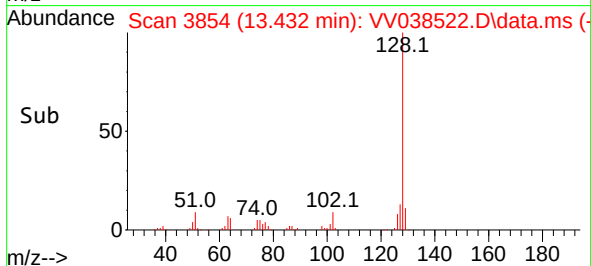
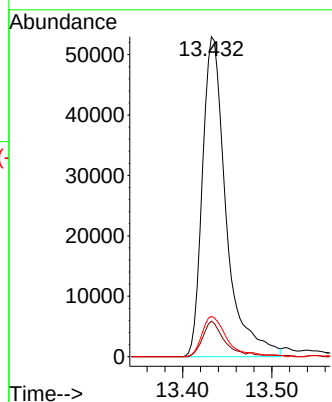
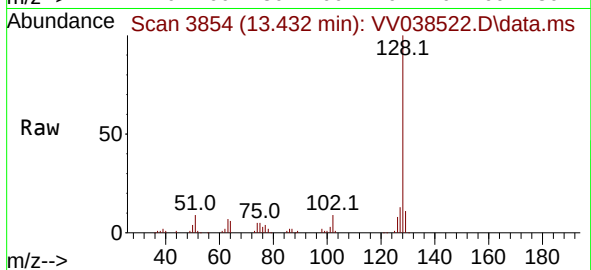
Tgt Ion:128 Resp: 97962

Ion Ratio Lower Upper

128 100

129 9.8 8.3 12.5

127 13.2 11.0 16.6



#72

1,2,3-Trichlorobenzene

Concen: 4.429 ug/L

RT: 13.670 min Scan# 3928

Delta R.T. 0.000 min

Lab File: VV038522.D

Acq: 23 Jan 2025 21:35

Tgt Ion:180 Resp: 73988

Ion Ratio Lower Upper

180 100

182 93.5 77.0 115.6

145 32.6 27.1 40.7

