

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW020124\
 Data File : VW033934.D
 Acq On : 01 Feb 2024 09:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050392

Quant Time: Feb 02 04:25:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 01 04:45:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	221119	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	204975	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	109628	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	71923	42.322	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.640%
7) Chloroethane-d5	1.529	69	58694	43.613	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.220%
11) 1,1-Dichloroethene-d2	2.060	65	33270	45.490	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.980%
21) 2-Butanone-d5	3.783	46	87108	74.730	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	74.730%
24) Chloroform-d	4.246	84	134259	44.182	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.360%
26) 1,2-Dichloroethane-d4	4.937	65	87028	44.325	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.660%
32) Benzene-d6	4.957	84	245226	42.082	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.160%
36) 1,2-Dichloropropane-d6	5.985	67	75219	39.214	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	78.420%
41) Toluene-d8	7.239	98	224533	42.765	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.520%
43) trans-1,3-Dichloroprop...	7.551	79	40588	42.815	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.620%
47) 2-Hexanone-d5	8.021	63	58855	73.971	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	73.970%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	96268	39.313	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	78.620%
66) 1,2-Dichlorobenzene-d4	11.561	152	91725	44.100	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	78316	42.574	ug/L	99
3) Chloromethane	1.214	50	84440	40.368	ug/L	99
5) Vinyl chloride	1.285	62	87857	43.904	ug/L	100
6) Bromomethane	1.481	94	45399	43.409	ug/L	98
8) Chloroethane	1.545	64	55047	46.132	ug/L	99
9) Trichlorofluoromethane	1.712	101	138263	57.900	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	76560	54.418	ug/L	96
12) 1,1-Dichloroethene	2.069	96	70313	52.985	ug/L	94
13) Acetone	2.111	43	117833	105.729	ug/L	100
14) Carbon disulfide	2.240	76	194863	43.203	ug/L	100
15) Methyl Acetate	2.371	43	73417	40.285	ug/L #	100
16) Methylene chloride	2.445	84	73160	45.191	ug/L	93
17) trans-1,2-Dichloroethene	2.693	96	67518	45.547	ug/L	93
18) Methyl tert-butyl Ether	2.703	73	249852	46.864	ug/L	98
19) 1,1-Dichloroethane	3.111	63	137119	45.245	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	76269	46.229	ug/L	94
22) 2-Butanone	3.860	43	115226	85.127	ug/L	98
23) Bromochloromethane	4.146	128	39061	48.736	ug/L	84
25) Chloroform	4.275	83	141160	49.127	ug/L	99

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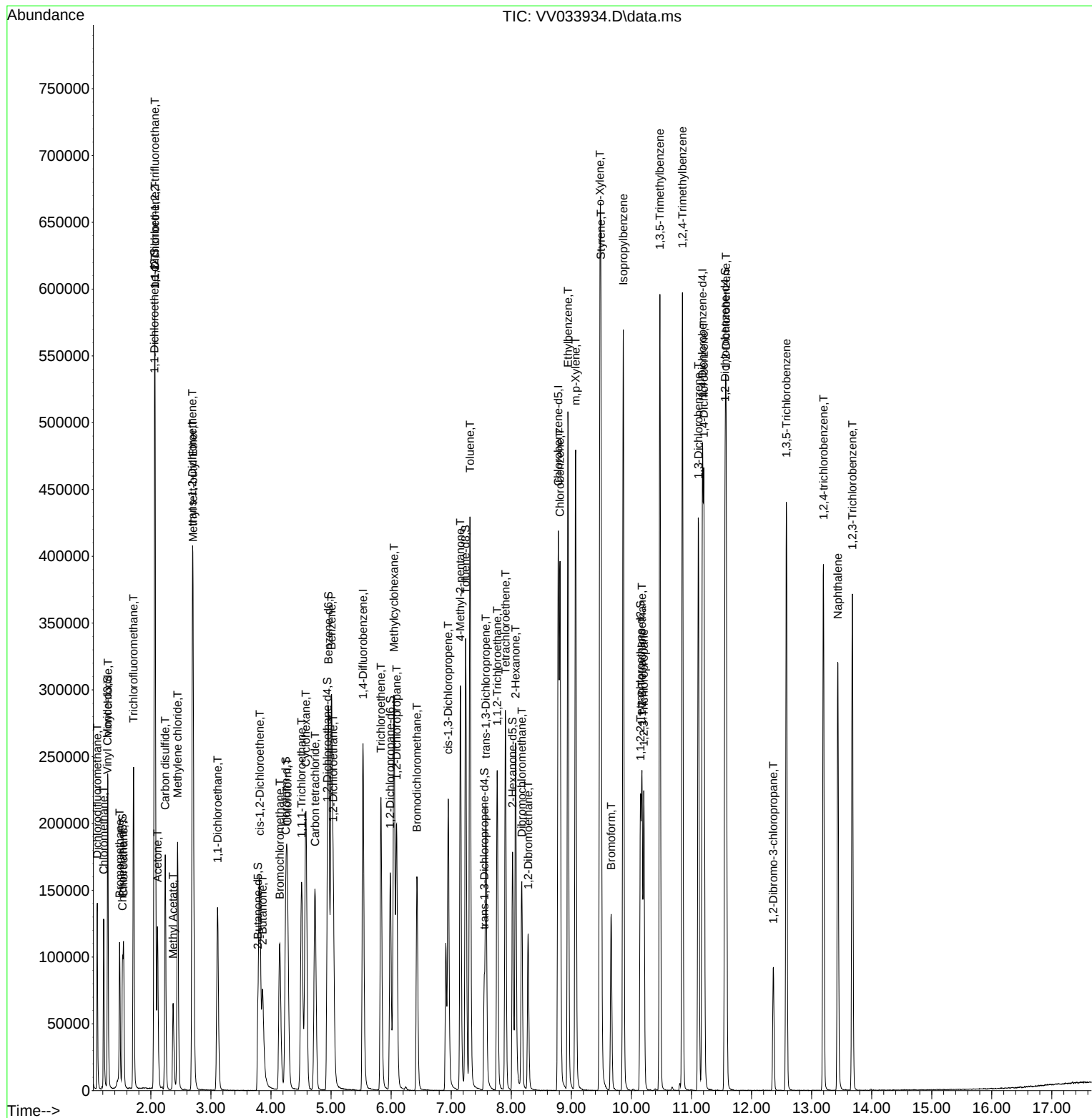
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	115549	48.146	ug/L	99
29) Cyclohexane	4.580	56	121252	41.960	ug/L	94
30) 1,1,1-Trichloroethane	4.510	97	129953	52.830	ug/L	98
31) Carbon tetrachloride	4.735	117	115571	55.044	ug/L	99
33) Benzene	5.008	78	283881	47.153	ug/L	100
34) Trichloroethene	5.831	95	76364	47.285	ug/L	97
35) Methylcyclohexane	6.050	83	125985	45.584	ug/L	94
37) 1,2-Dichloropropane	6.092	63	73251	44.215	ug/L	98
38) Bromodichloromethane	6.429	83	105011	48.453	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	126570	45.750	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	197642	80.513	ug/L	96
42) Toluene	7.313	91	301472	47.370	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	119010	46.681	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	71577	47.617	ug/L	97
46) Tetrachloroethene	7.905	164	60808	51.335	ug/L	96
48) 2-Hexanone	8.072	43	167742	85.757	ug/L	99
49) Dibromochloromethane	8.175	129	77204	49.314	ug/L	98
50) 1,2-Dibromoethane	8.281	107	73432	46.226	ug/L #	98
51) Chlorobenzene	8.812	112	193981	47.851	ug/L	97
52) Ethylbenzene	8.944	91	346734	47.039	ug/L	100
53) m,p-Xylene	9.072	106	129190	47.473	ug/L	100
54) o-Xylene	9.477	106	127928	47.484	ug/L	99
55) Styrene	9.493	104	219826	47.261	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	104683	43.759	ug/L	100
59) Bromoform	9.664	173	55374	47.525	ug/L	97
60) Isopropylbenzene	9.866	105	353960	47.721	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	83613	42.975	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	304998	47.925	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	304512	48.022	ug/L	98
64) 1,3-Dichlorobenzene	11.117	146	164330	49.048	ug/L	97
65) 1,4-Dichlorobenzene	11.207	146	163286	48.606	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	162558	49.656	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	23964	42.683	ug/L	99
69) 1,3,5-Trichlorobenzene	12.580	180	127805	51.622	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	112795	50.195	ug/L	99
71) Naphthalene	13.439	128	247387	42.130	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	108617	51.786	ug/L	98

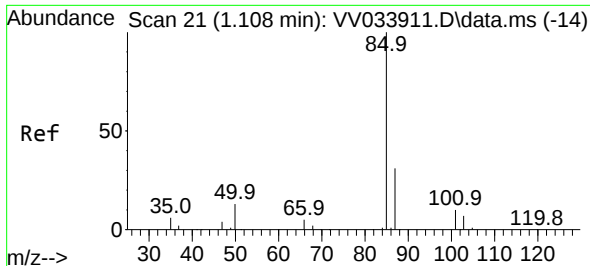
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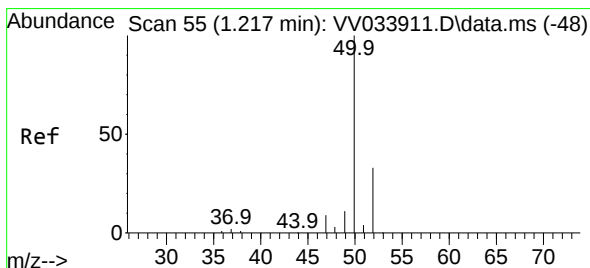
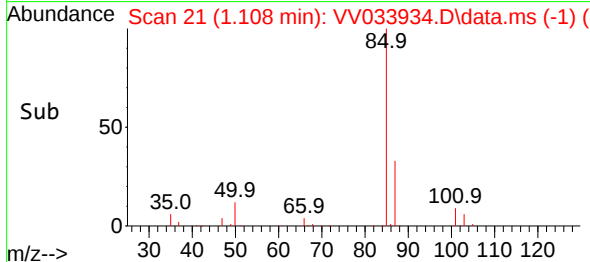
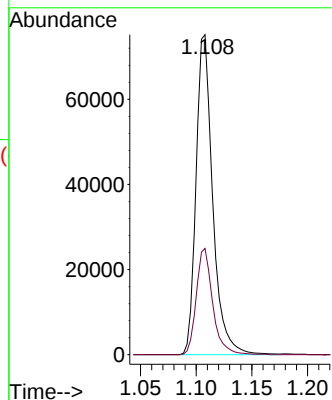
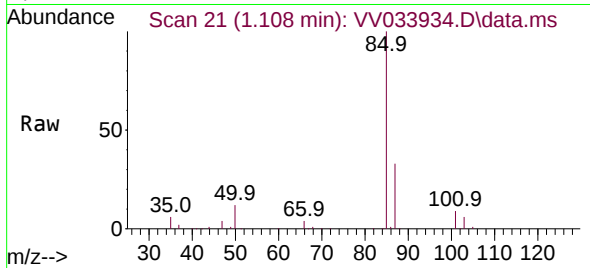




#2
 Dichlorodifluoromethane
 Concen: 42.574 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV033934.D
 Acq: 01 Feb 2024 09:05

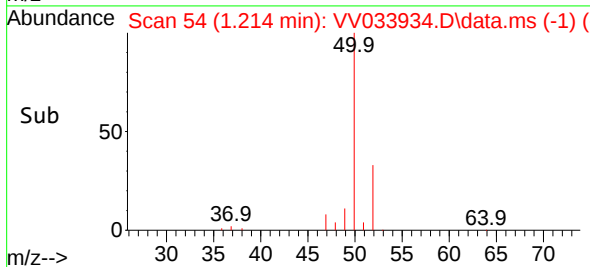
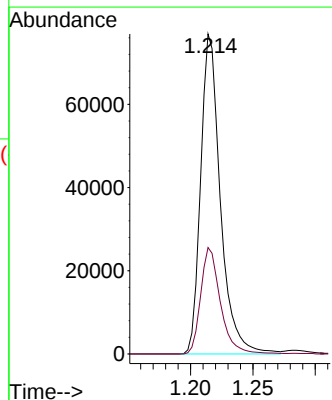
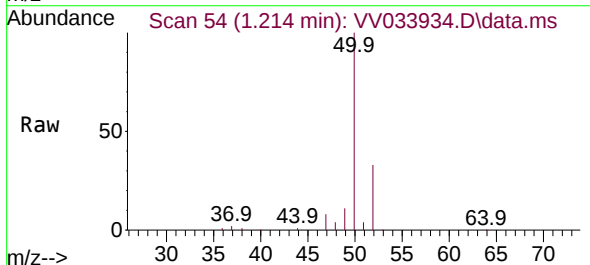
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050392

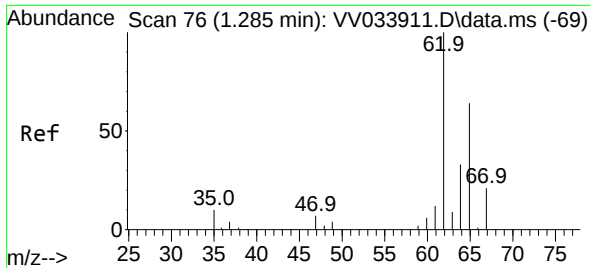
Tgt Ion: 85 Resp: 78316
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.8 38.6



#3
 Chloromethane
 Concen: 40.368 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV033934.D
 Acq: 01 Feb 2024 09:05

Tgt Ion: 50 Resp: 84440
 Ion Ratio Lower Upper
 50 100
 52 33.3 22.8 42.4

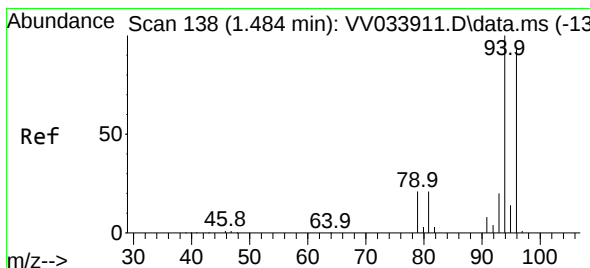
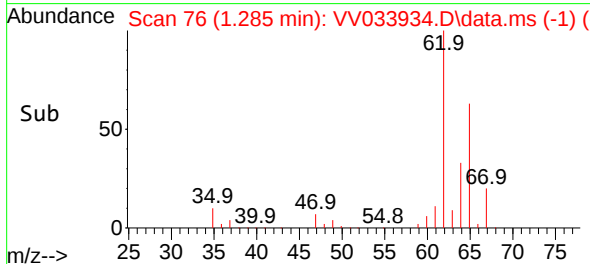
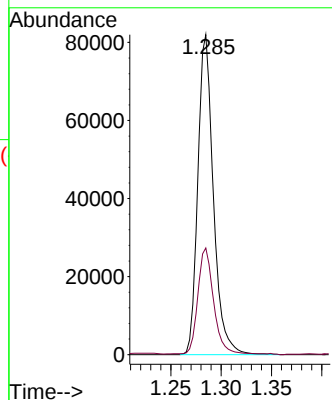
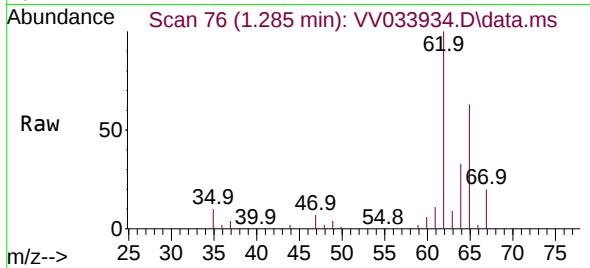




#5
 Vinyl chloride
 Concen: 43.904 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV033934.D
 Acq: 01 Feb 2024 09:05

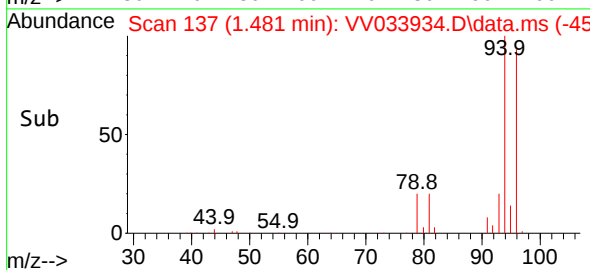
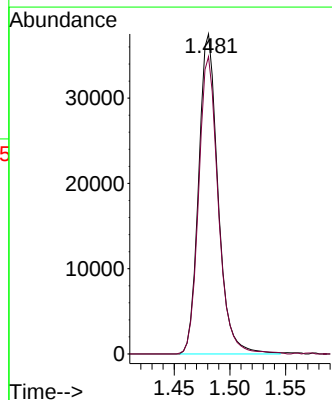
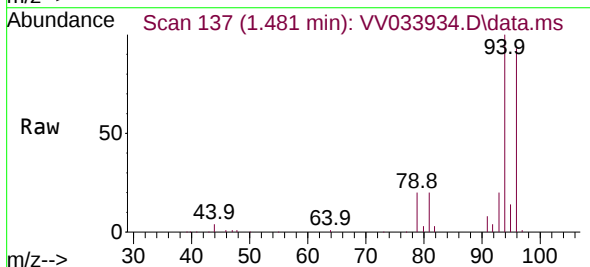
Instrument : MSVOA_V
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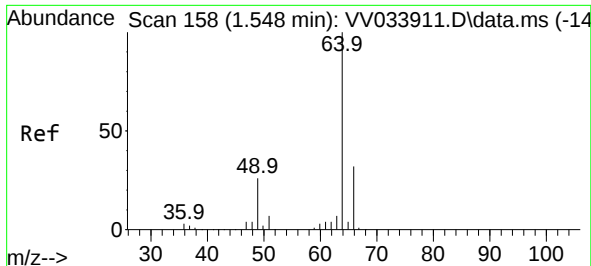
Tgt Ion:	62	Resp:	87857
Ion Ratio	Lower	Upper	
62	100		
64	33.4	23.2	43.0



#6
 Bromomethane
 Concen: 43.409 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. -0.003 min
 Lab File: VV033934.D
 Acq: 01 Feb 2024 09:05

Tgt Ion:	94	Resp:	45399
Ion Ratio	Lower	Upper	
94	100		
96	92.9	66.4	123.2





#8

Chloroethane

Concen: 46.132 ug/L

RT: 1.545 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV033934.D

Acq: 01 Feb 2024 09:05

Instrument :

MSVOA_V

ClientSampleId :

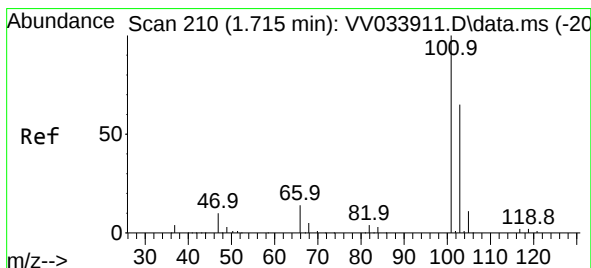
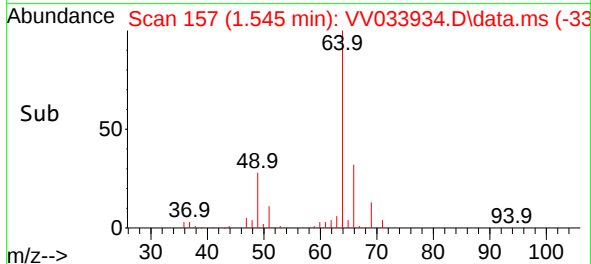
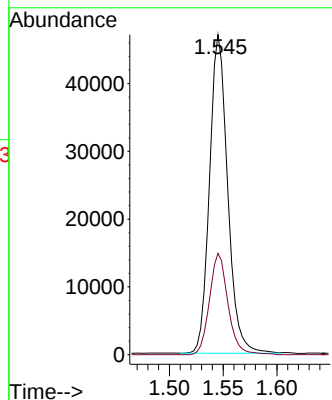
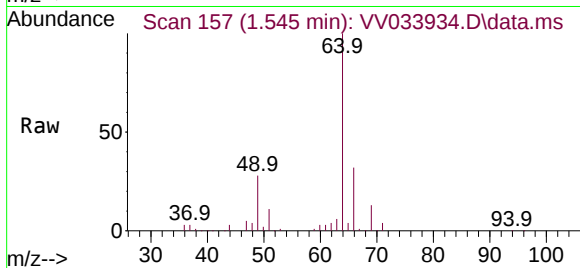
VSTD050392

Tgt Ion: 64 Resp: 55047

Ion Ratio Lower Upper

64 100

66 31.7 22.5 41.9



#9

Trichlorofluoromethane

Concen: 57.900 ug/L

RT: 1.712 min Scan# 209

Delta R.T. -0.003 min

Lab File: VV033934.D

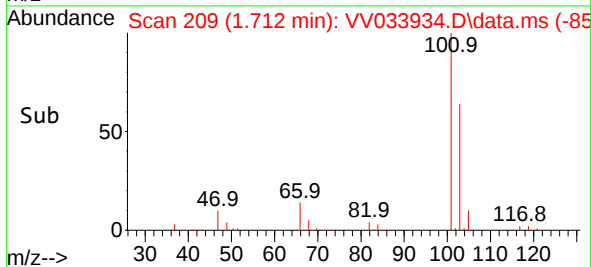
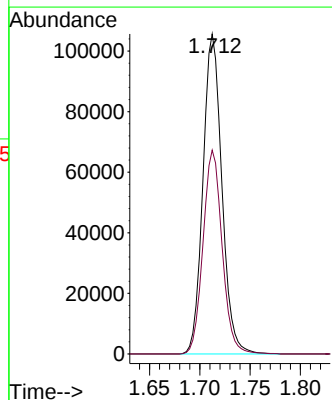
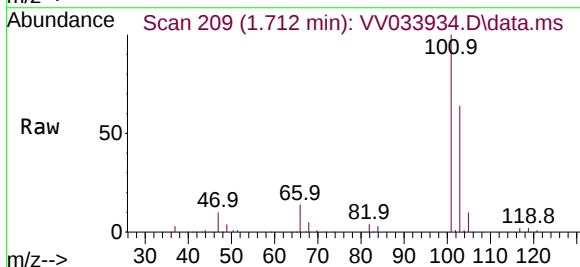
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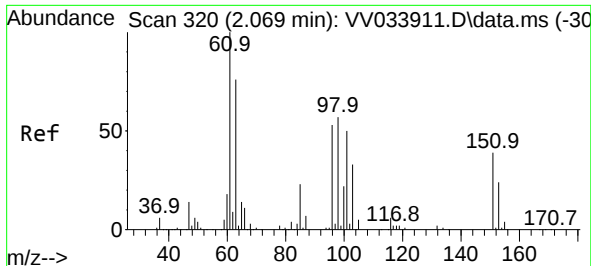
Tgt Ion:101 Resp: 138263

Ion Ratio Lower Upper

101 100

103 64.3 51.3 76.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 54.418 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033934.D

Acq: 01 Feb 2024 09:05

Instrument :

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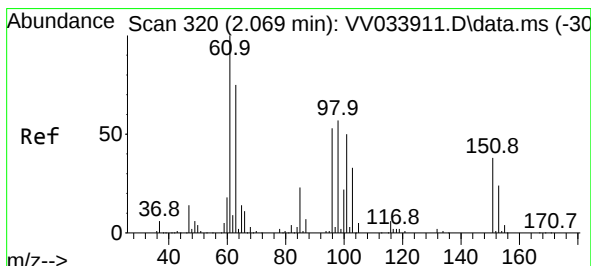
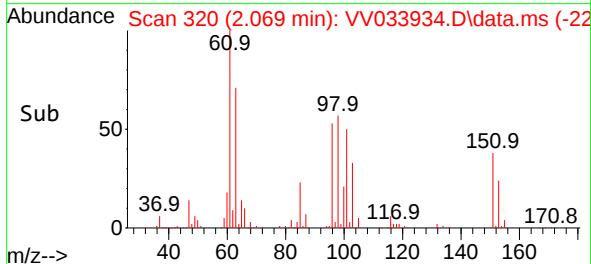
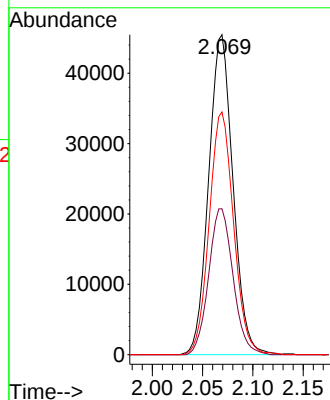
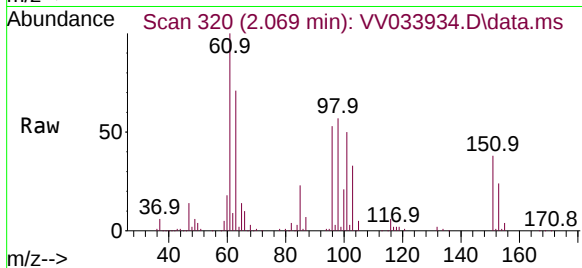
Tgt Ion:101 Resp: 76560

Ion Ratio Lower Upper

101 100

85 45.7 36.2 54.4

151 76.2 56.5 84.7



#12

1,1-Dichloroethene

Concen: 52.985 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV033934.D

Acq: 01 Feb 2024 09:05

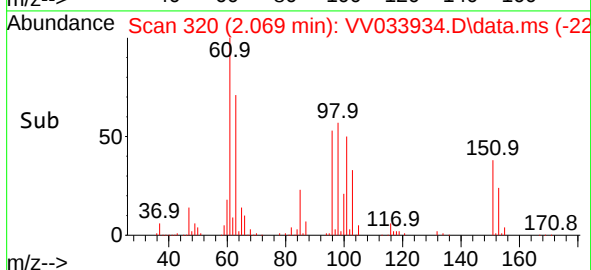
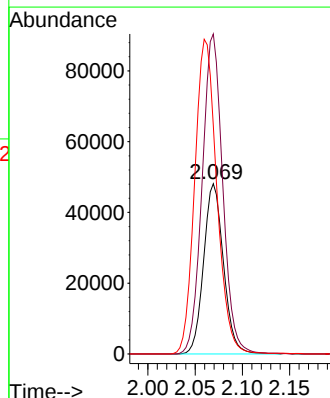
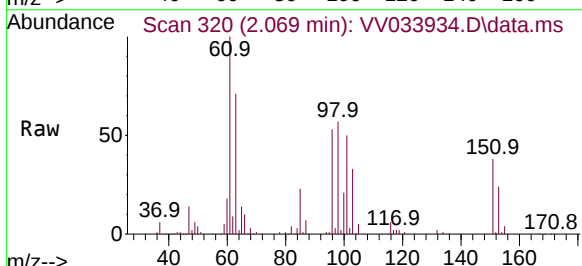
Tgt Ion: 96 Resp: 70313

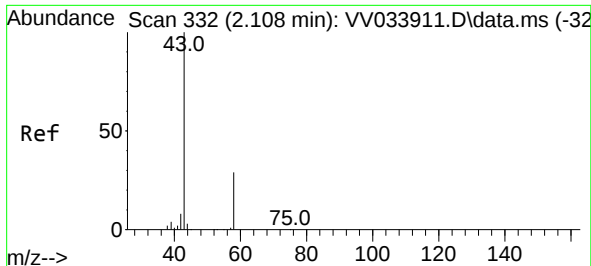
Ion Ratio Lower Upper

96 100

61 187.9 134.0 248.8

63 134.1 103.4 192.0





#13

Acetone

Concen: 105.729 ug/L

RT: 2.111 min Scan# 311

Delta R.T. 0.003 min

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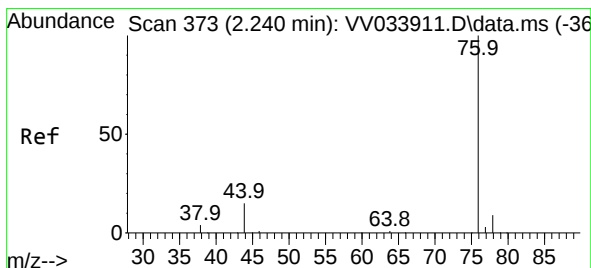
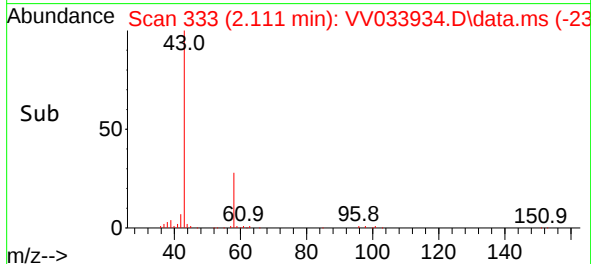
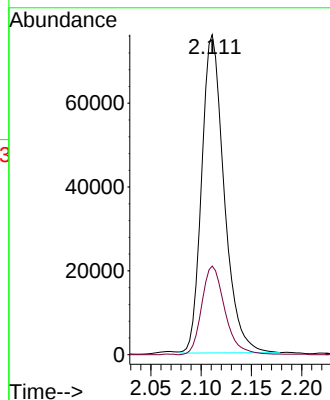
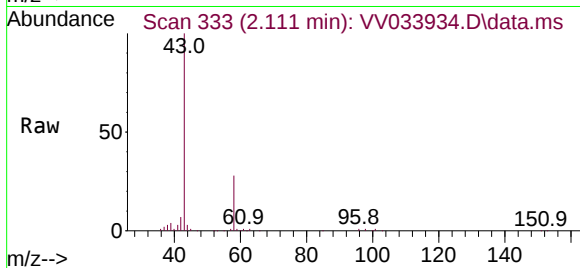
VSTD050392

Tgt Ion: 43 Resp: 117833

Ion Ratio Lower Upper

43 100

58 28.7 0.0 57.2



#14

Carbon disulfide

Concen: 43.203 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

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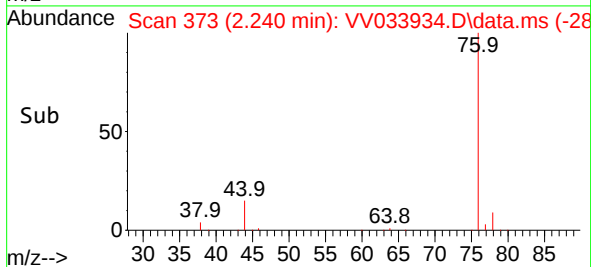
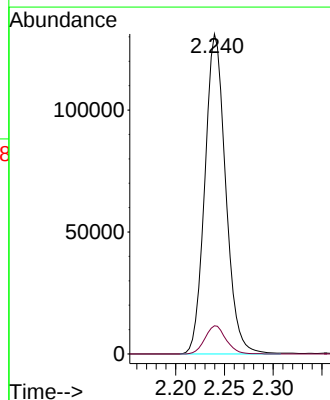
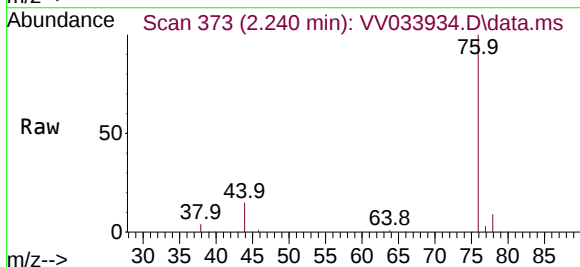
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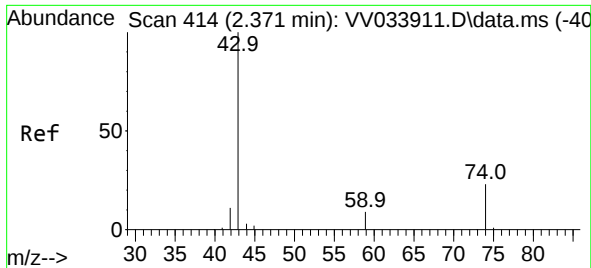
Tgt Ion: 76 Resp: 194863

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7

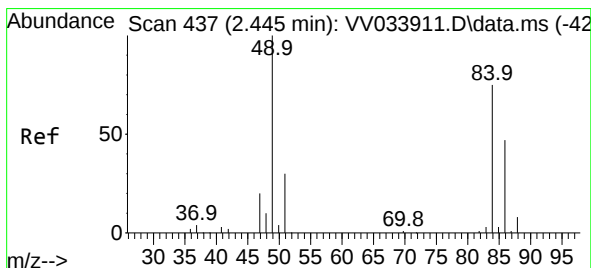
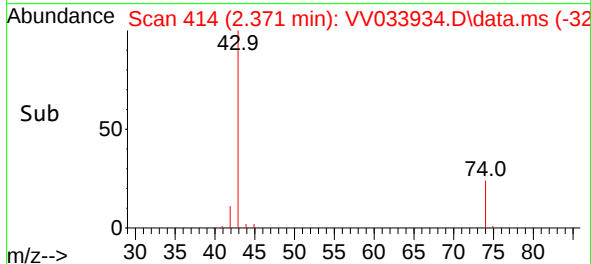
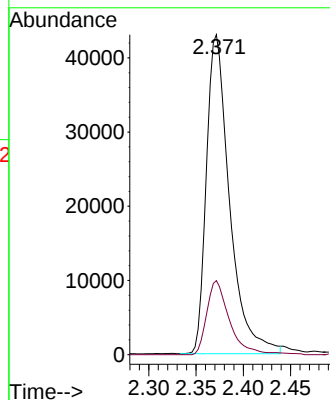
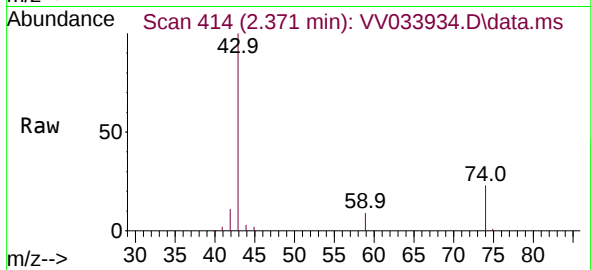




#15
Methyl Acetate
Concen: 40.285 ug/L
RT: 2.371 min Scan# 414
Delta R.T. 0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

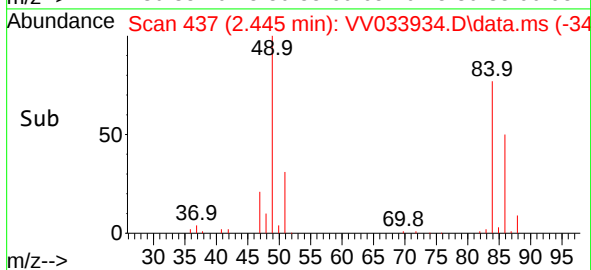
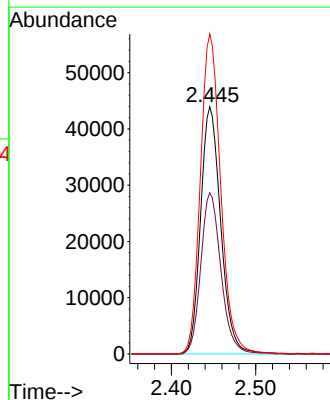
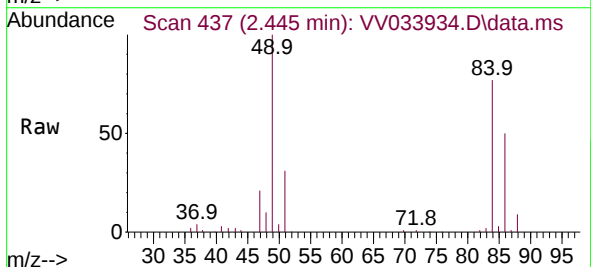
Instrument :
MSVOA_V
ClientSampleId :
VSTD050392

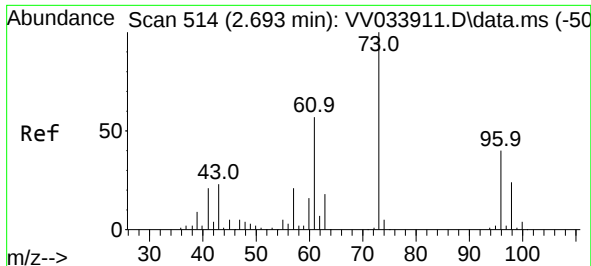
Tgt Ion: 43 Resp: 73417
Ion Ratio Lower Upper
43 100
74 22.4 0.0 0.0#



#16
Methylene chloride
Concen: 45.191 ug/L
RT: 2.445 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

Tgt Ion: 84 Resp: 73160
Ion Ratio Lower Upper
84 100
86 65.3 43.9 81.5
49 129.5 98.3 182.5

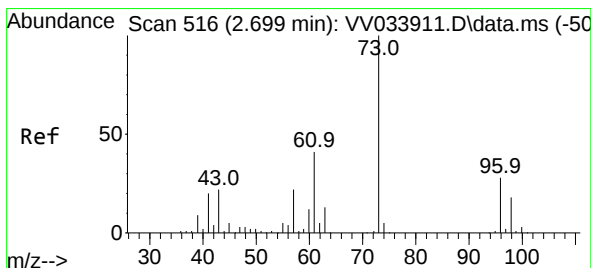
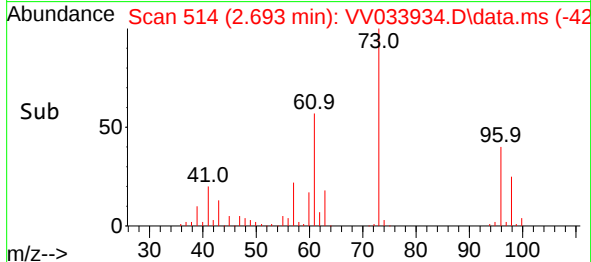
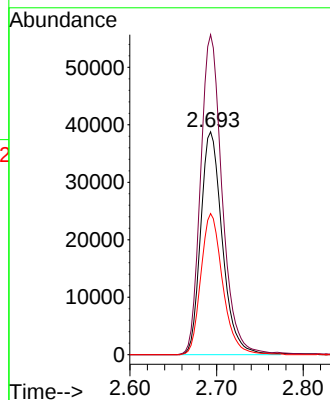
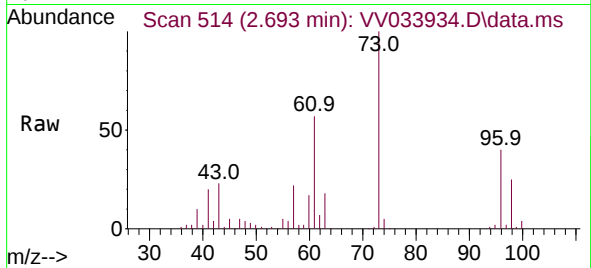




#17
trans-1,2-Dichloroethene
Concen: 45.547 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

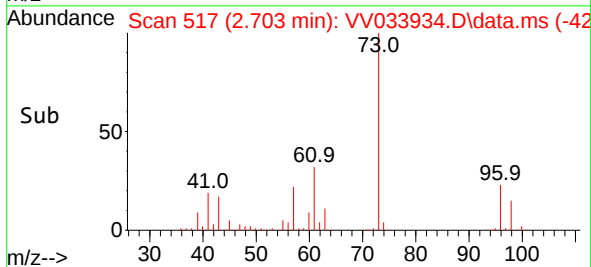
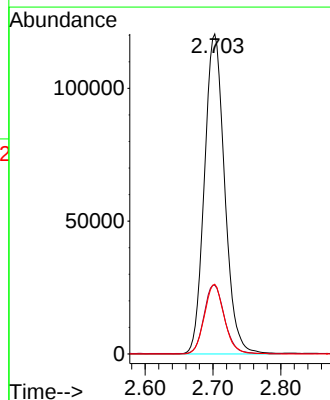
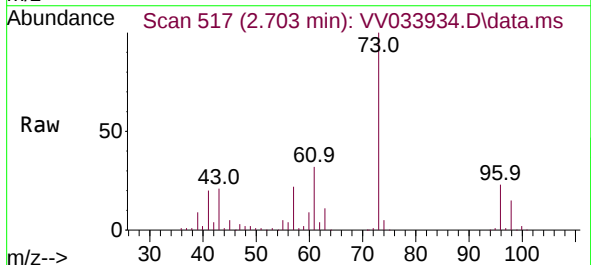
Instrument :
MSVOA_V
ClientSampleId :
VSTD050392

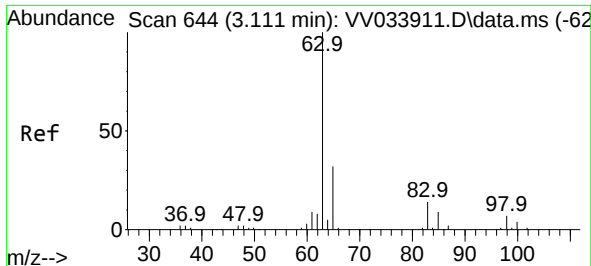
Tgt Ion: 96 Resp: 67518
Ion Ratio Lower Upper
96 100
61 143.5 108.4 201.4
98 63.3 43.8 81.4



#18
Methyl tert-butyl Ether
Concen: 46.864 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.004 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

Tgt Ion: 73 Resp: 249852
Ion Ratio Lower Upper
73 100
43 21.4 17.4 26.2
57 21.4 18.6 27.8





#19

1,1-Dichloroethane

Concen: 45.245 ug/L

RT: 3.111 min Scan# 644

Delta R.T. -0.000 min

Lab File: VV033934.D

Acq: 01 Feb 2024 09:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD050392

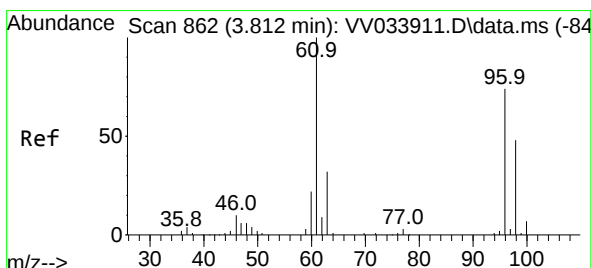
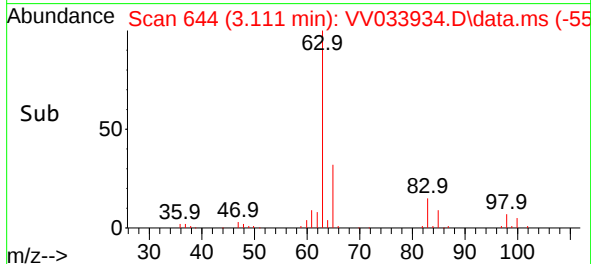
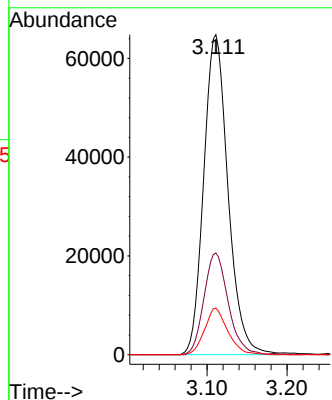
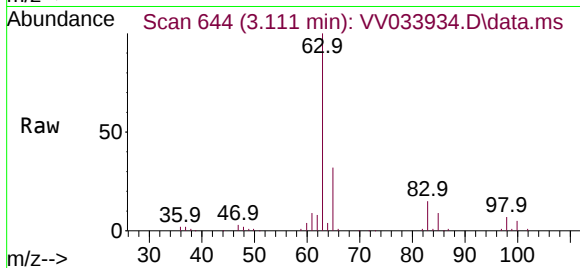
Tgt Ion: 63 Resp: 137119

Ion Ratio Lower Upper

63 100

65 31.8 22.4 41.6

83 14.5 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 46.229 ug/L

RT: 3.812 min Scan# 862

Delta R.T. -0.000 min

Lab File: VV033934.D

Acq: 01 Feb 2024 09:05

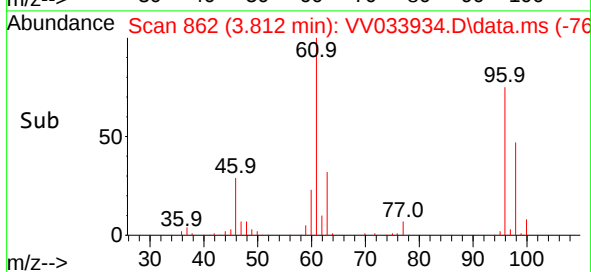
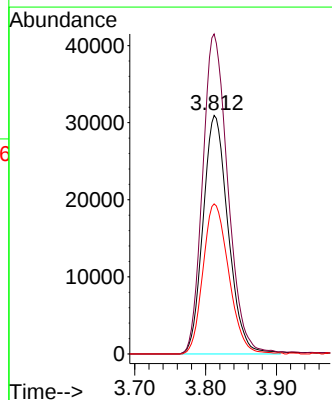
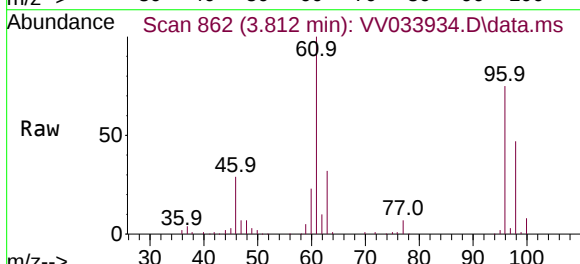
Tgt Ion: 96 Resp: 76269

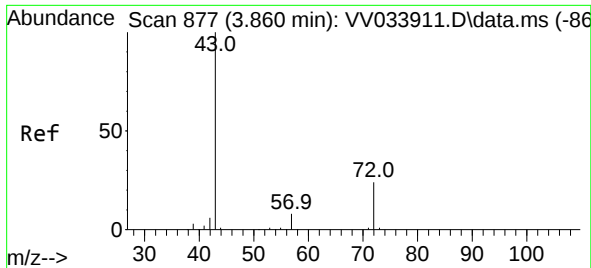
Ion Ratio Lower Upper

96 100

61 134.1 100.6 186.8

98 62.9 44.6 82.8

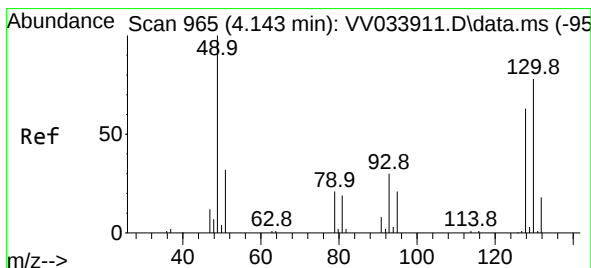
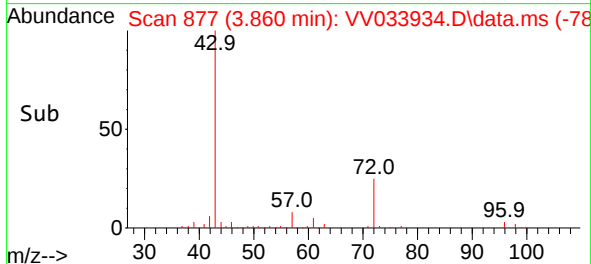
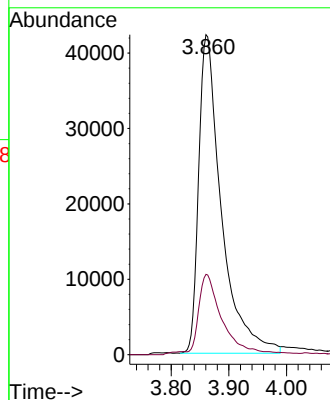
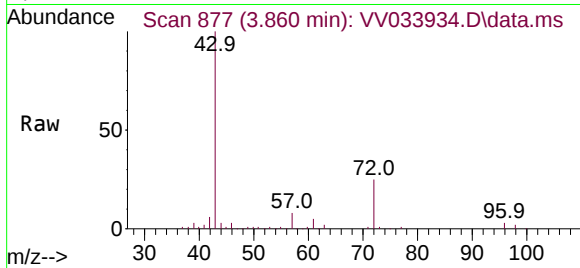




#22
2-Butanone
Concen: 85.127 ug/L
RT: 3.860 min Scan# 81
Delta R.T. 0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

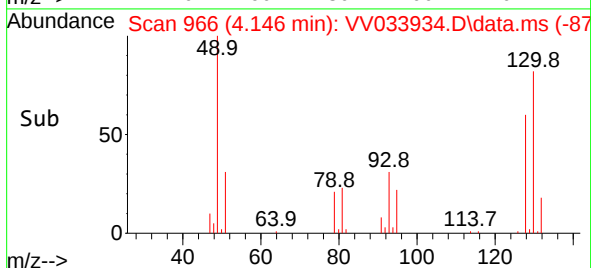
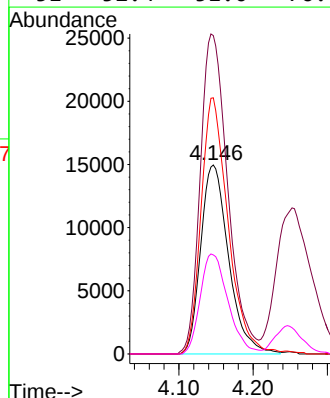
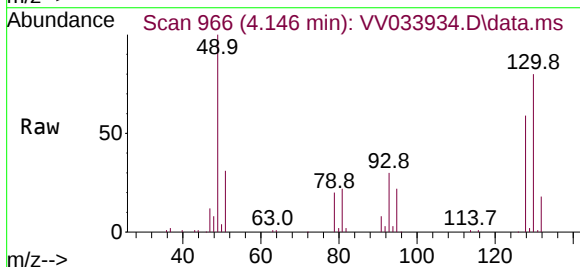
Instrument :
MSVOA_V
ClientSampleId :
VSTD050392

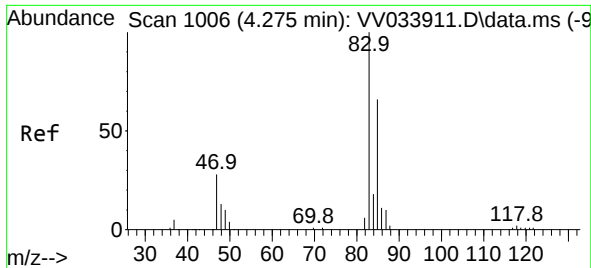
Tgt Ion: 43 Resp: 115226
Ion Ratio Lower Upper
43 100
72 22.5 11.9 35.5



#23
Bromochloromethane
Concen: 48.736 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.003 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

Tgt Ion: 128 Resp: 39061
Ion Ratio Lower Upper
128 100
49 168.6 143.9 267.2
130 135.6 90.6 168.2
51 52.4 51.0 76.6

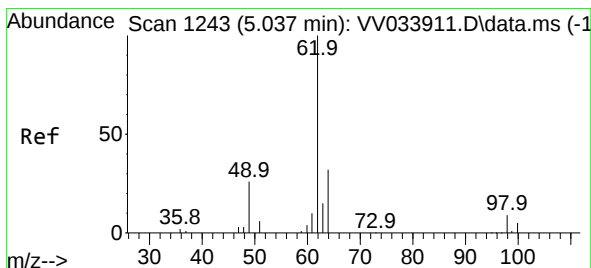
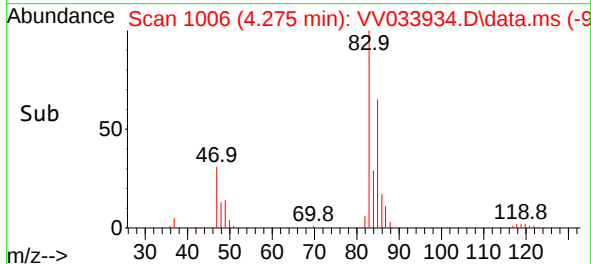
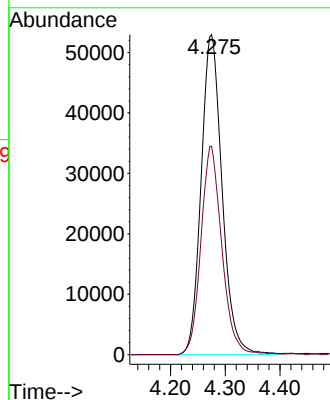
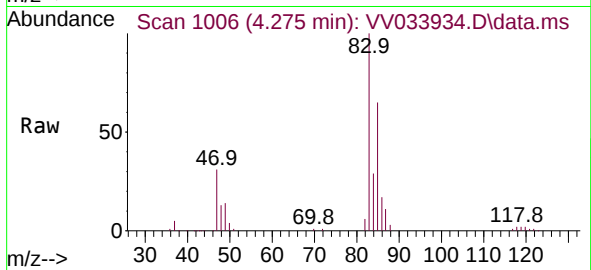




#25
Chloroform
Concen: 49.127 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. -0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

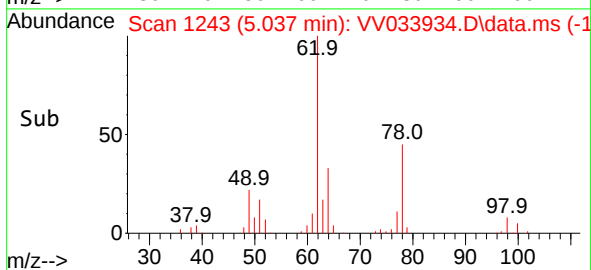
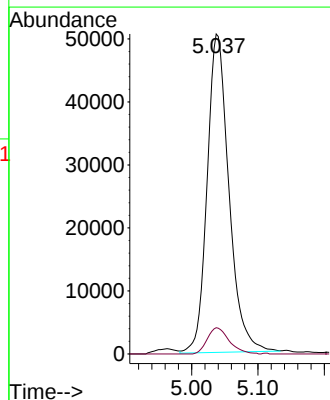
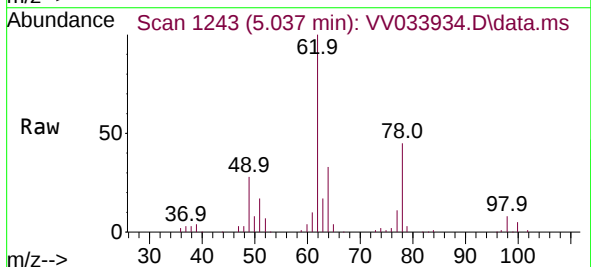
Instrument :
MSVOA_V
ClientSampleId :
VSTD050392

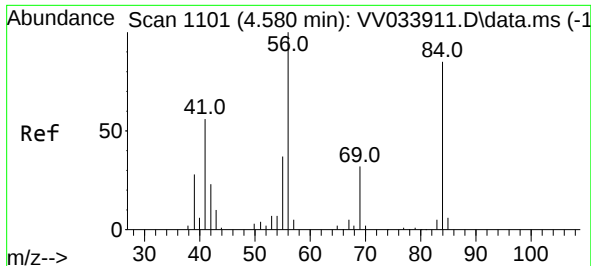
Tgt Ion: 83 Resp: 141160
Ion Ratio Lower Upper
83 100
85 65.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 48.146 ug/L
RT: 5.037 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

Tgt Ion: 62 Resp: 115549
Ion Ratio Lower Upper
62 100
98 8.2 6.8 10.2





#29

Cyclohexane

Concen: 41.960 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.000 min

Lab File: VV033934.D

Acq: 01 Feb 2024 09:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD050392

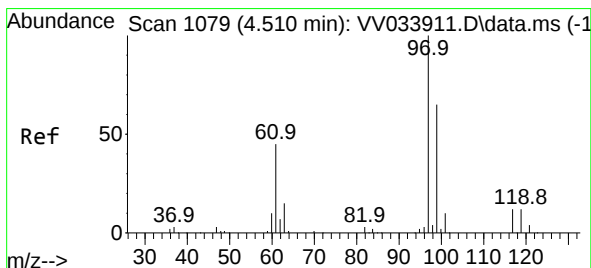
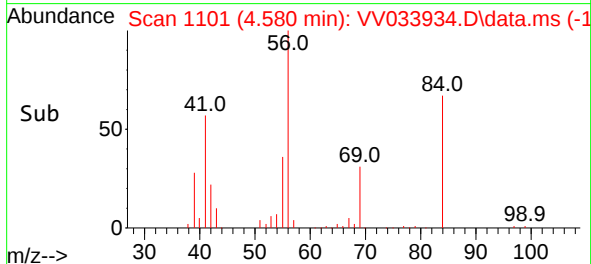
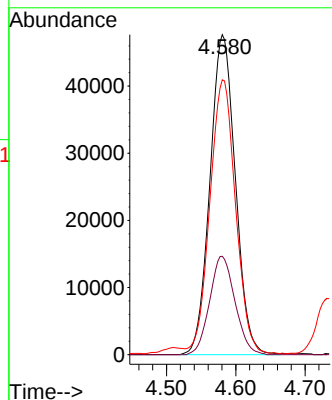
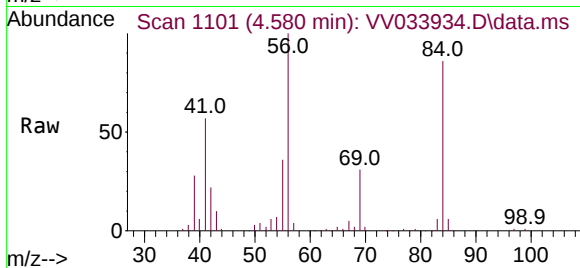
Tgt Ion: 56 Resp: 121252

Ion Ratio Lower Upper

56 100

69 30.7 23.8 35.6

84 86.2 63.8 95.6



#30

1,1,1-Trichloroethane

Concen: 52.830 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. -0.000 min

Lab File: VV033934.D

Acq: 01 Feb 2024 09:05

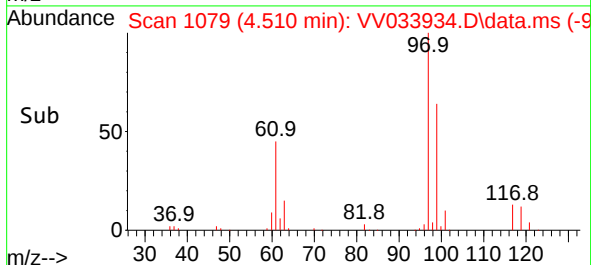
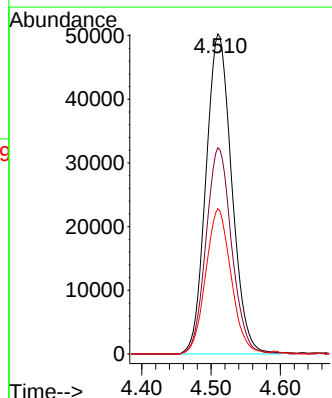
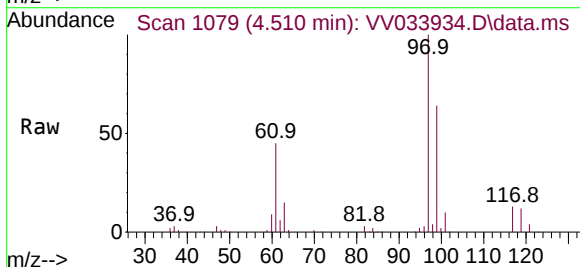
Tgt Ion: 97 Resp: 129953

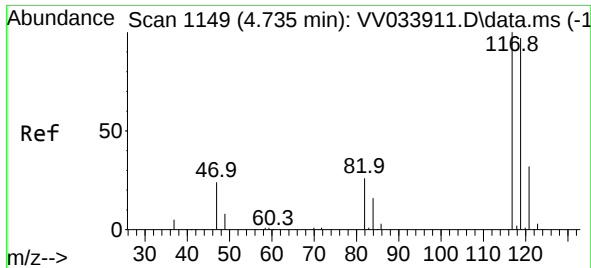
Ion Ratio Lower Upper

97 100

99 64.0 51.4 77.0

61 44.7 38.2 57.2

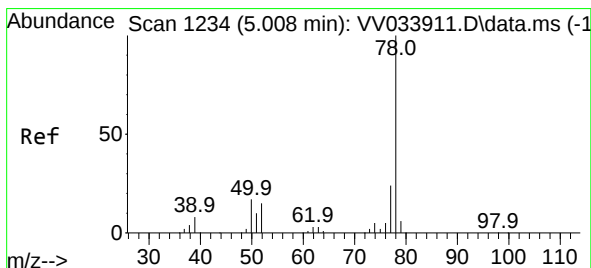
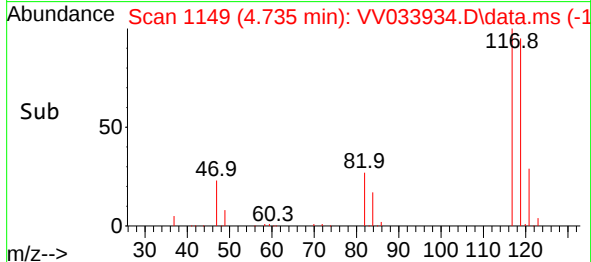
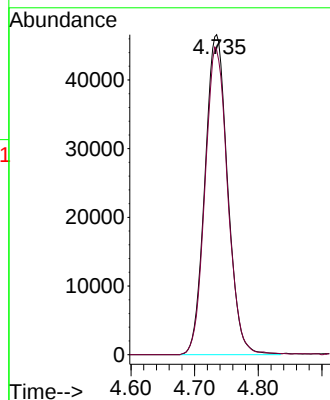
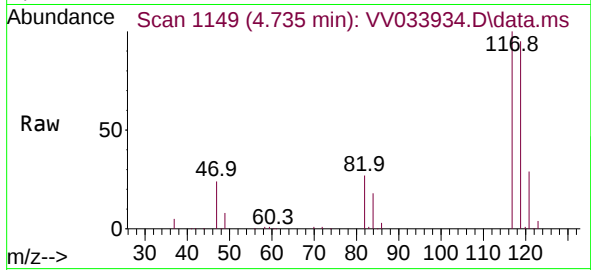




#31
Carbon tetrachloride
Concen: 55.044 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

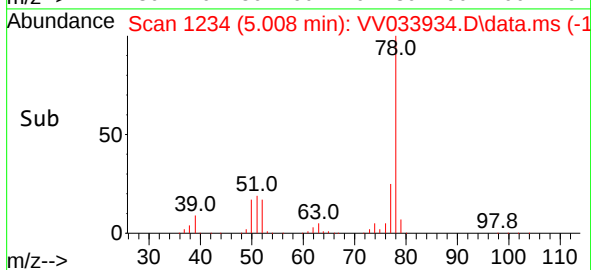
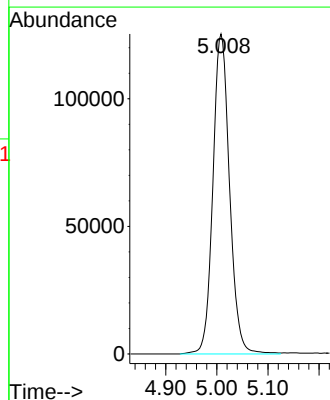
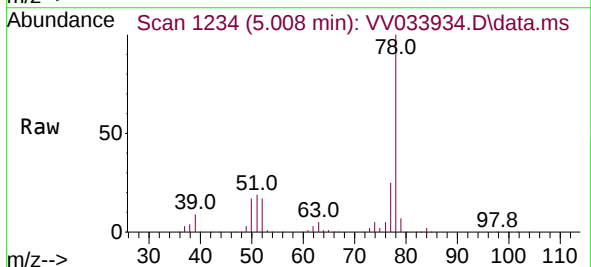
Instrument :
MSVOA_V
ClientSampleId :
VSTD050392

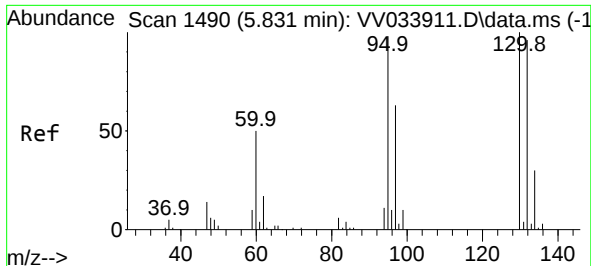
Tgt Ion:117 Resp: 115571
Ion Ratio Lower Upper
117 100
119 95.5 77.0 115.4



#33
Benzene
Concen: 47.153 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

Tgt Ion: 78 Resp: 283881

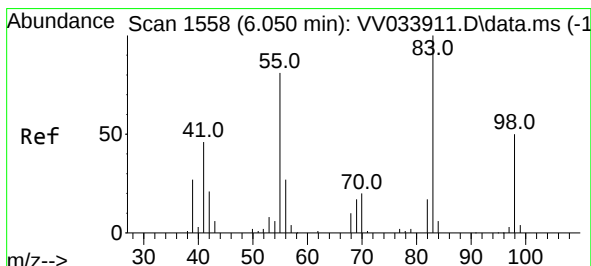
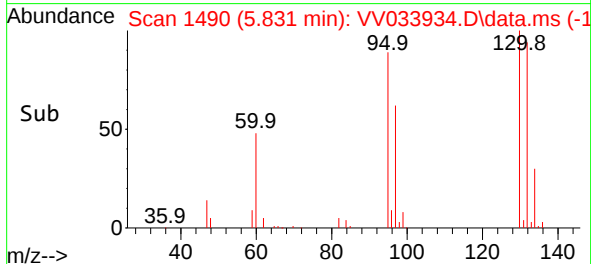
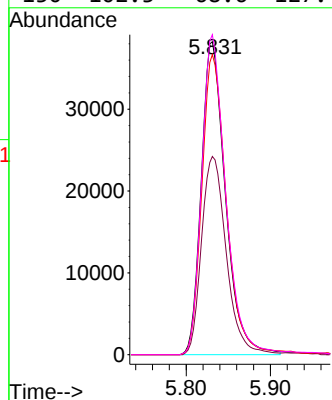
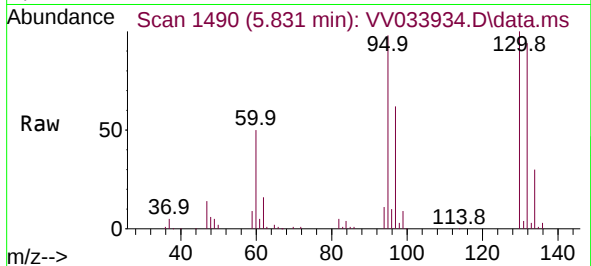




#34
Trichloroethene
Concen: 47.285 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

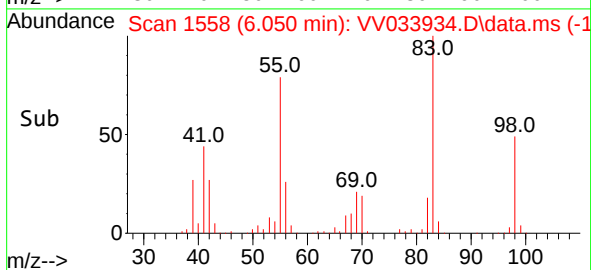
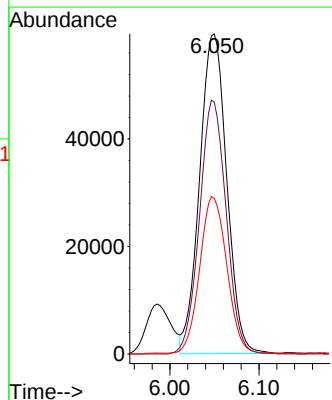
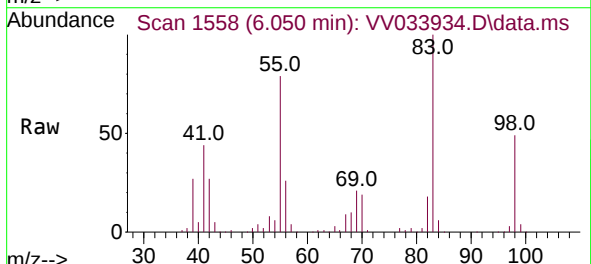
Instrument :
MSVOA_V
ClientSampleId :
VSTD050392

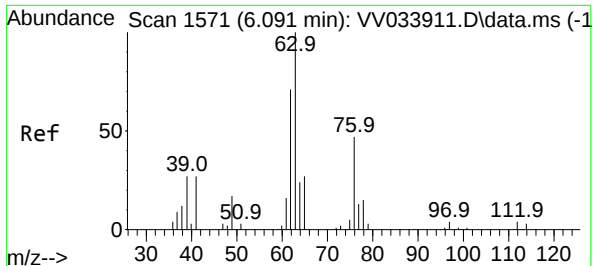
Tgt Ion: 95 Resp: 76364
Ion Ratio Lower Upper
95 100
97 63.3 44.4 82.4
132 95.9 65.5 121.7
130 102.3 68.6 127.4



#35
Methylcyclohexane
Concen: 45.584 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. -0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

Tgt Ion: 83 Resp: 125985
Ion Ratio Lower Upper
83 100
55 77.8 67.1 100.7
98 49.4 37.7 56.5





#37

1,2-Dichloropropane

Concen: 44.215 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.001 min

Lab File: VV033934.D

Acq: 01 Feb 2024 09:05

Instrument :

MSVOA_V

ClientSampleId :

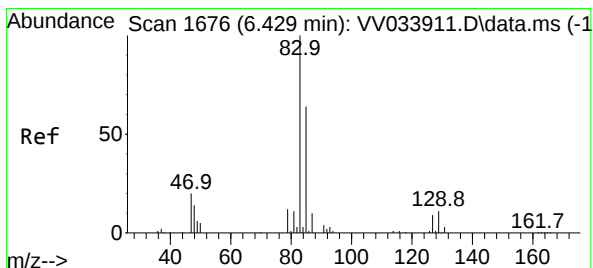
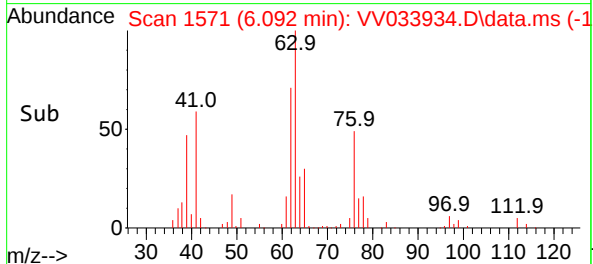
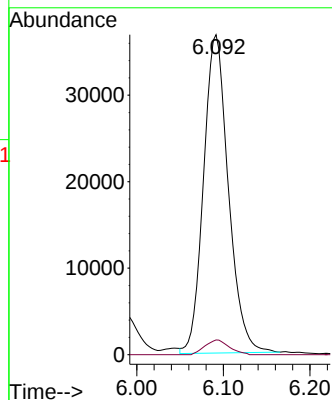
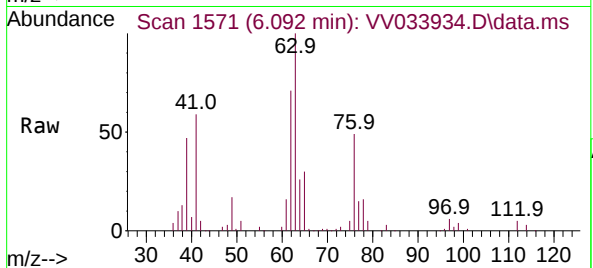
VSTD050392

Tgt Ion: 63 Resp: 73251

Ion Ratio Lower Upper

63 100

112 4.5 3.1 4.7



#38

Bromodichloromethane

Concen: 48.453 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VV033934.D

Acq: 01 Feb 2024 09:05

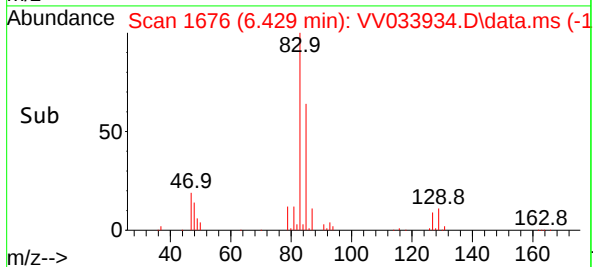
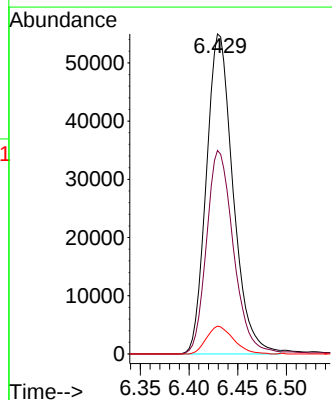
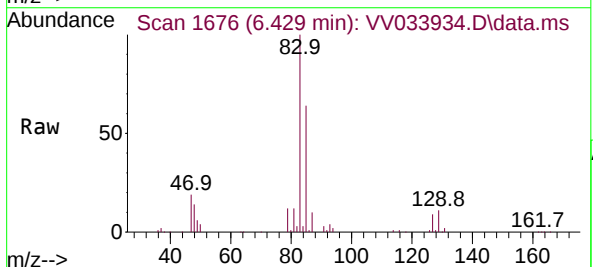
Tgt Ion: 83 Resp: 105011

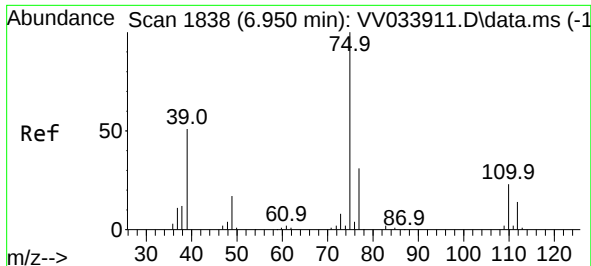
Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.7

127 8.7 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 45.750 ug/L

RT: 6.950 min Scan# 1838

Delta R.T. 0.000 min

Lab File: VV033934.D

Acq: 01 Feb 2024 09:05

Instrument :

MSVOA_V

ClientSampleId :

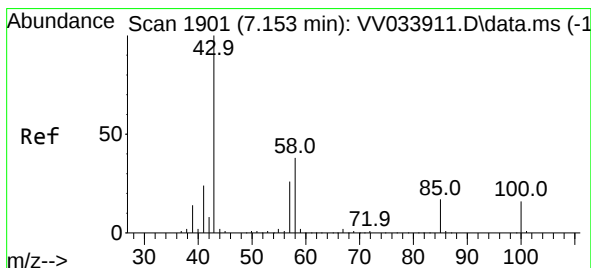
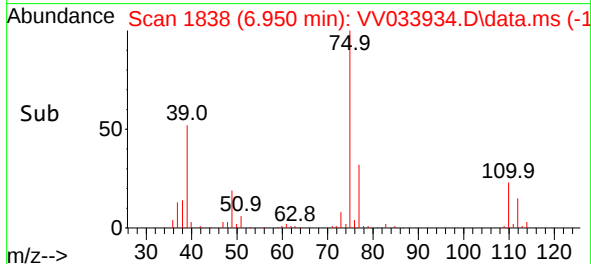
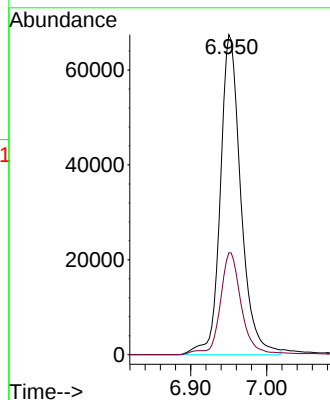
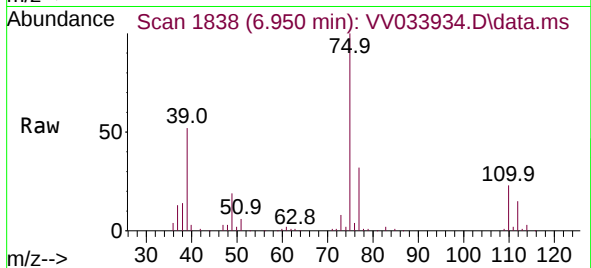
VSTD050392

Tgt Ion: 75 Resp: 126570

Ion Ratio Lower Upper

75 100

77 31.8 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 80.513 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. -0.000 min

Lab File: VV033934.D

Acq: 01 Feb 2024 09:05

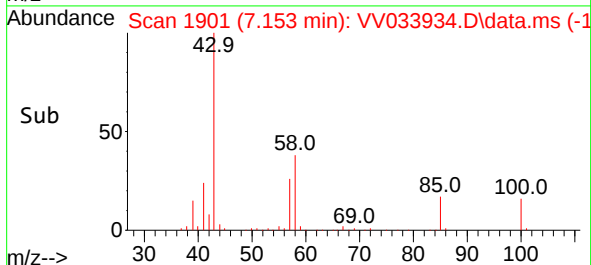
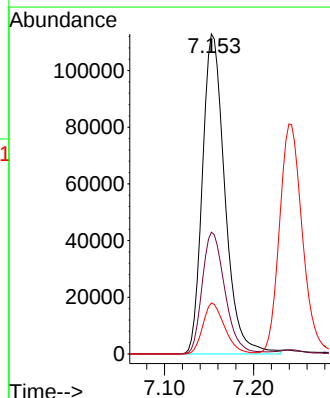
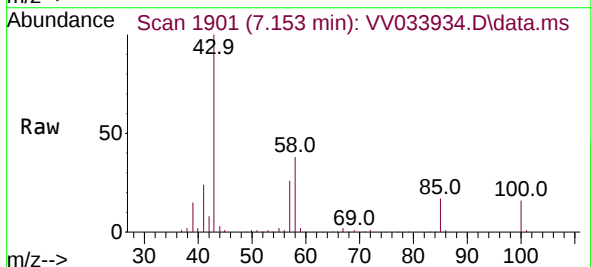
Tgt Ion: 43 Resp: 197642

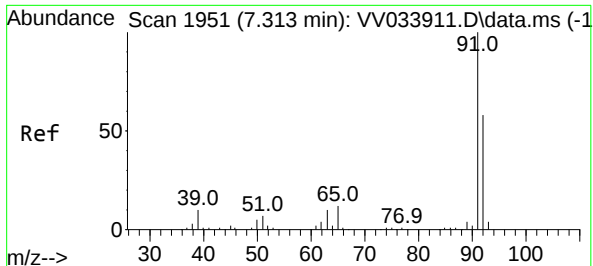
Ion Ratio Lower Upper

43 100

58 38.6 29.6 44.4

100 15.5 10.6 16.0





#42

Toluene

Concen: 47.370 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV033934.D

Acq: 01 Feb 2024 09:05

Instrument :

MSVOA_V

ClientSampleId :

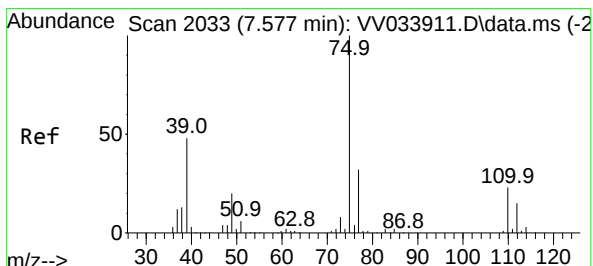
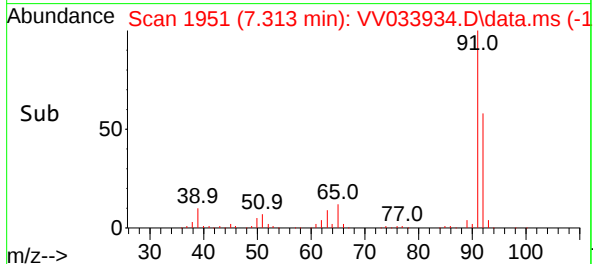
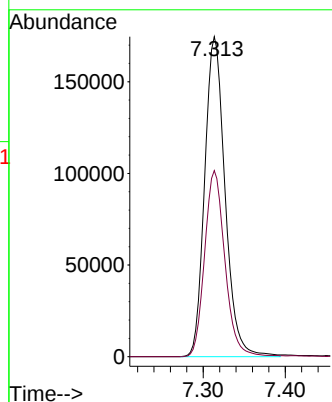
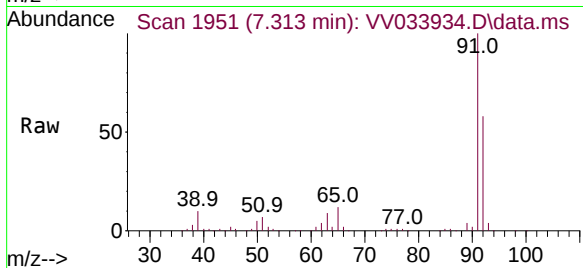
VSTD050392

Tgt Ion: 91 Resp: 301472

Ion Ratio Lower Upper

91 100

92 58.1 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 46.681 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV033934.D

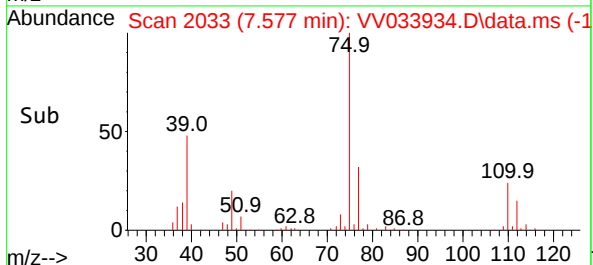
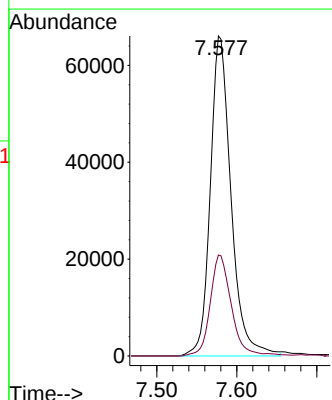
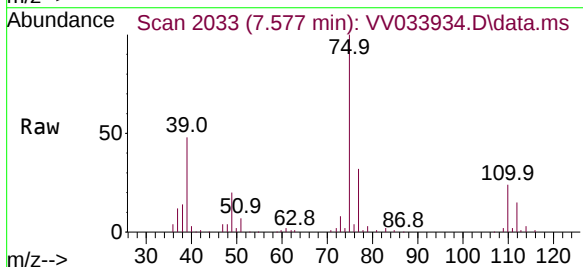
Acq: 01 Feb 2024 09:05

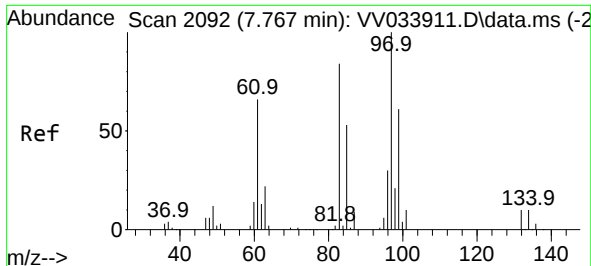
Tgt Ion: 75 Resp: 119010

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 47.617 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. -0.000 min

Lab File: VV033934.D

Acq: 01 Feb 2024 09:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD050392

Tgt Ion: 97 Resp: 71577

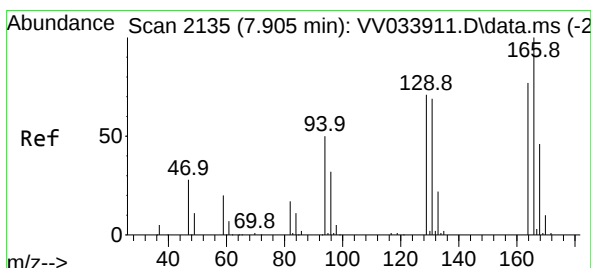
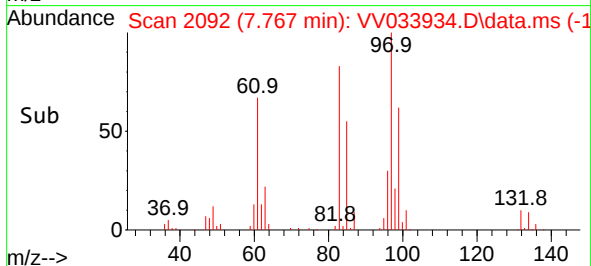
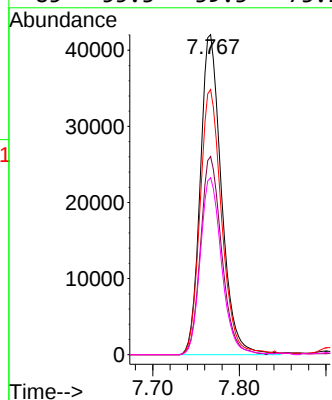
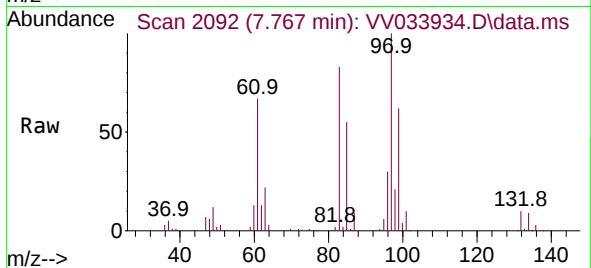
Ion Ratio Lower Upper

97 100

99 62.0 42.8 79.6

83 82.8 61.2 113.8

85 55.3 39.3 73.1



#46

Tetrachloroethene

Concen: 51.335 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VV033934.D

Acq: 01 Feb 2024 09:05

Tgt Ion:164 Resp: 60808

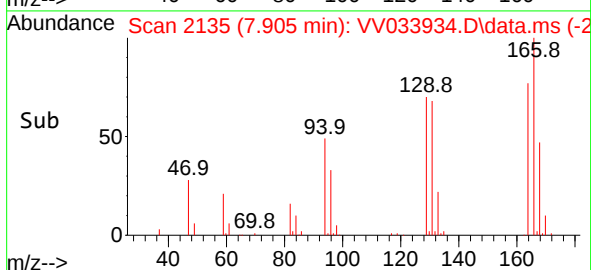
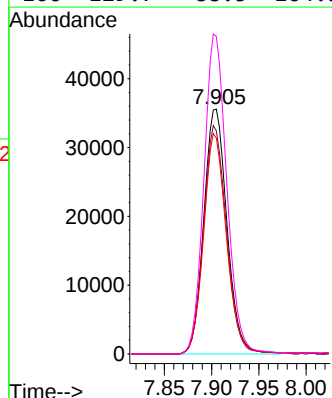
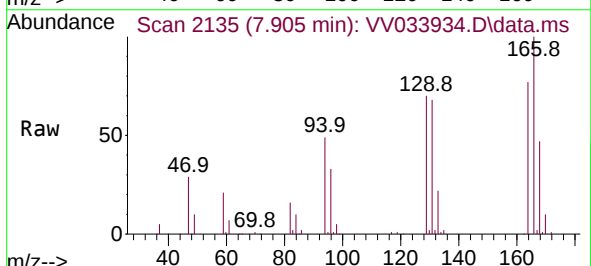
Ion Ratio Lower Upper

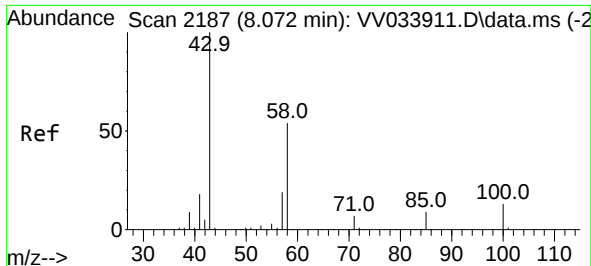
164 100

129 91.1 66.1 122.7

131 88.1 65.9 122.5

166 129.7 88.5 164.3



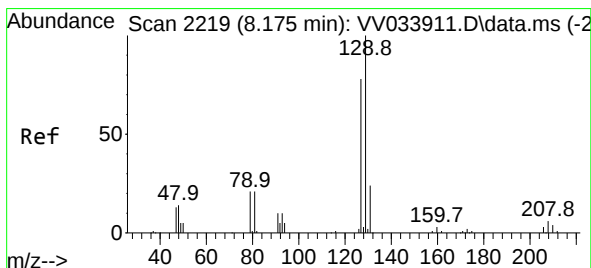
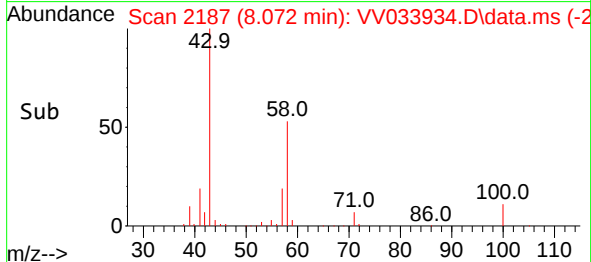
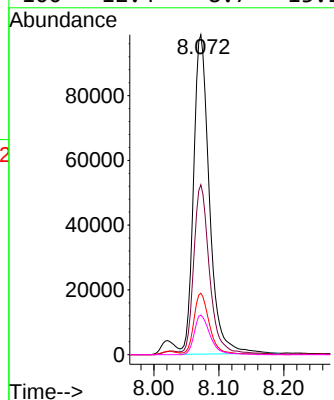
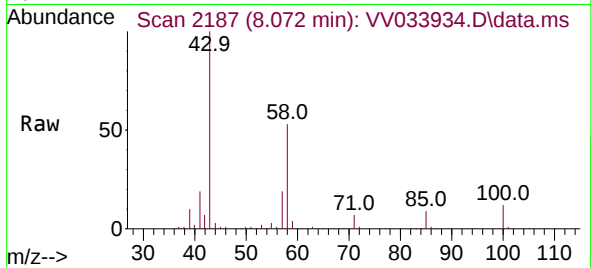


#48
2-Hexanone
Concen: 85.757 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD050392

Tgt Ion: 43 Resp: 167742

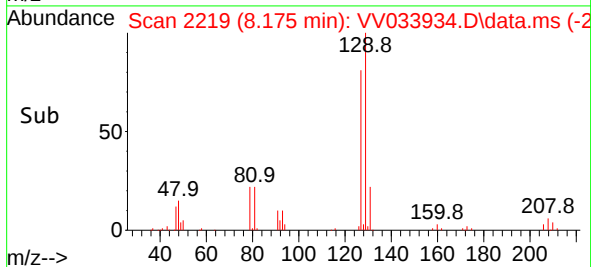
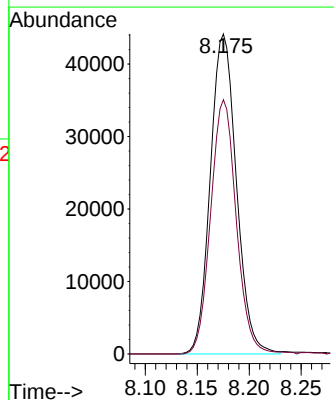
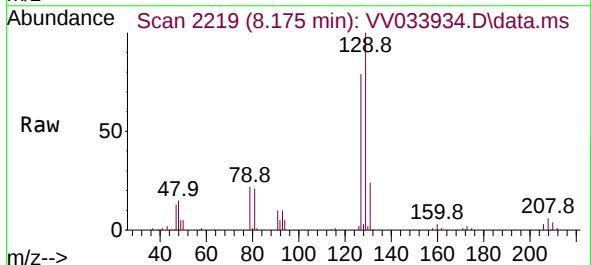
Ion	Ratio	Lower	Upper
43	100		
58	53.2	42.3	63.5
57	18.6	14.2	21.2
100	12.4	8.7	13.1

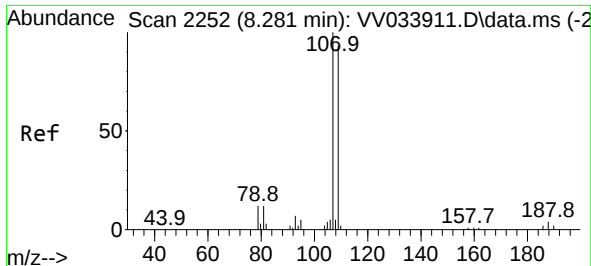


#49
Dibromochloromethane
Concen: 49.314 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

Tgt Ion: 129 Resp: 77204

Ion	Ratio	Lower	Upper
129	100		
127	79.5	54.5	101.3

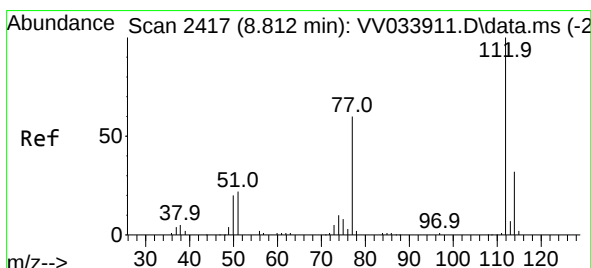
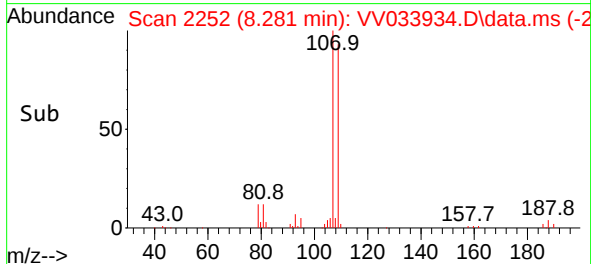
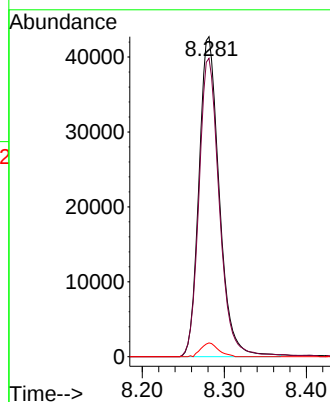
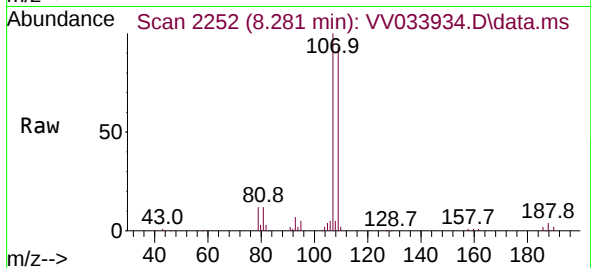




#50
1,2-Dibromoethane
Concen: 46.226 ug/L
RT: 8.281 min Scan# 2117
Delta R.T. 0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

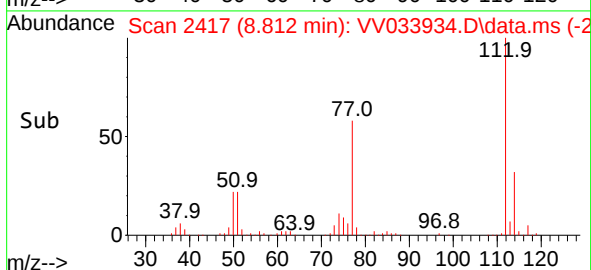
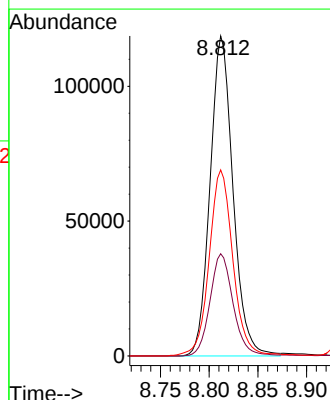
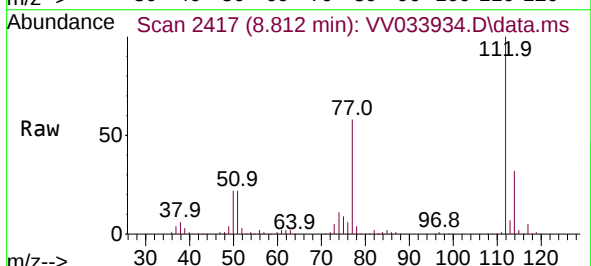
Instrument :
MSVOA_V
ClientSampleId :
VSTD050392

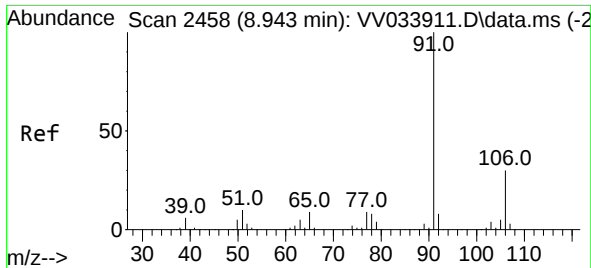
Tgt Ion:107 Resp: 73432
Ion Ratio Lower Upper
107 100
109 93.3 66.4 123.4
188 4.3 2.7 4.1#



#51
Chlorobenzene
Concen: 47.851 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. -0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

Tgt Ion:112 Resp: 193981
Ion Ratio Lower Upper
112 100
114 32.0 22.5 41.7
77 58.1 49.4 74.0

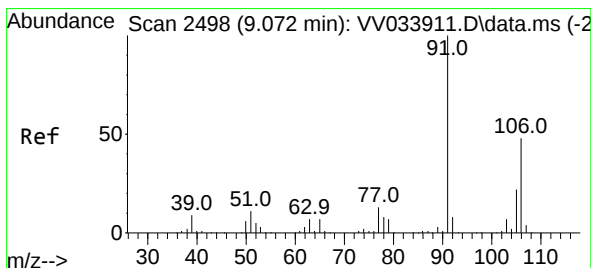
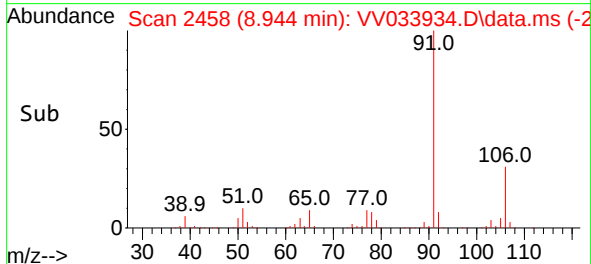
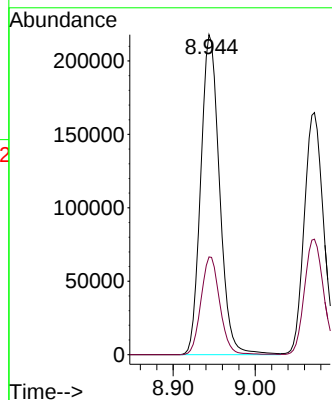
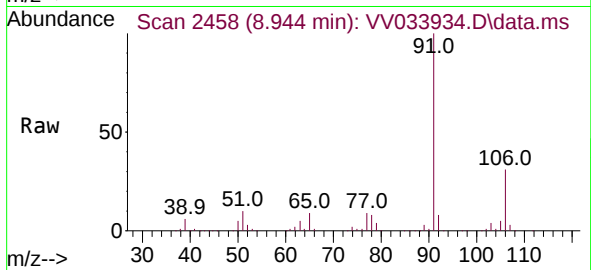




#52
Ethylbenzene
Concen: 47.039 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. 0.001 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

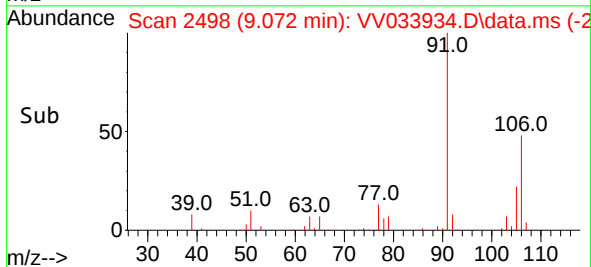
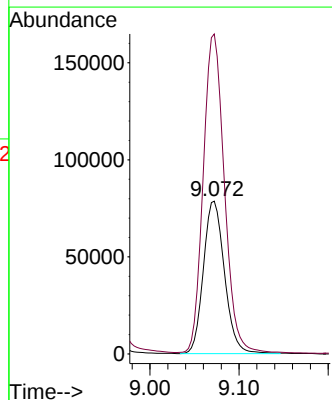
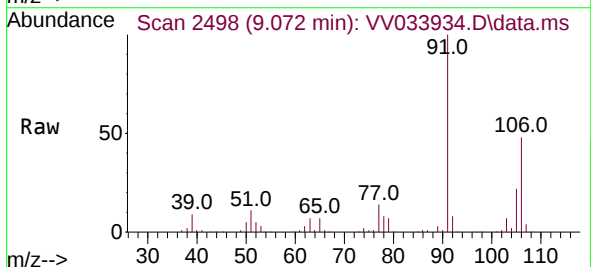
Instrument :
MSVOA_V
ClientSampleId :
VSTD050392

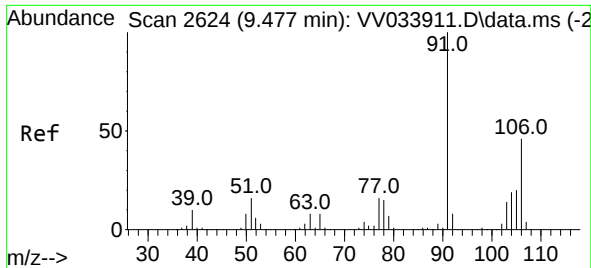
Tgt Ion: 91 Resp: 346734
Ion Ratio Lower Upper
91 100
106 30.5 21.5 39.9



#53
m,p-Xylene
Concen: 47.473 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

Tgt Ion: 106 Resp: 129190
Ion Ratio Lower Upper
106 100
91 209.4 146.1 271.3

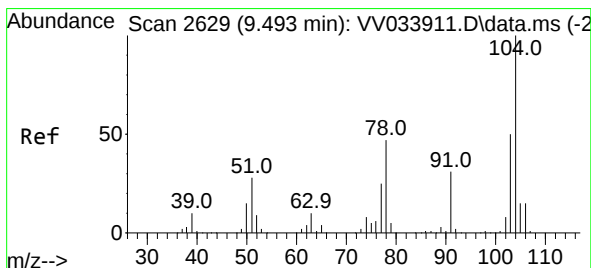
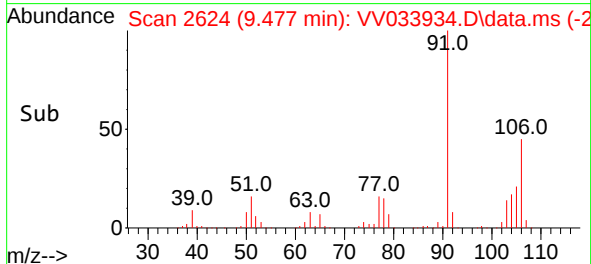
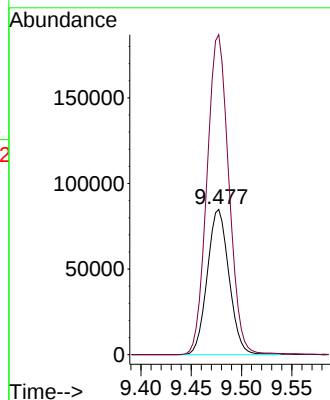
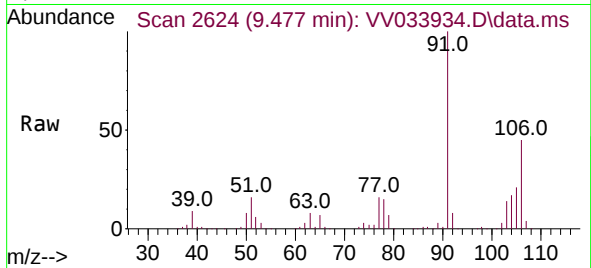




#54
o-Xylene
Concen: 47.484 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

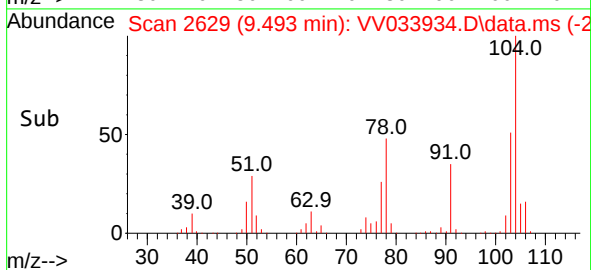
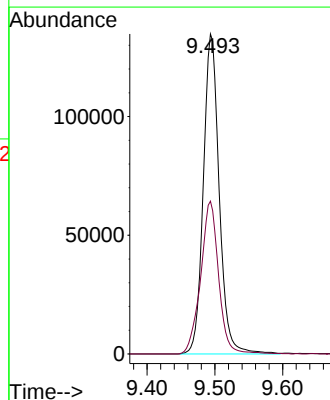
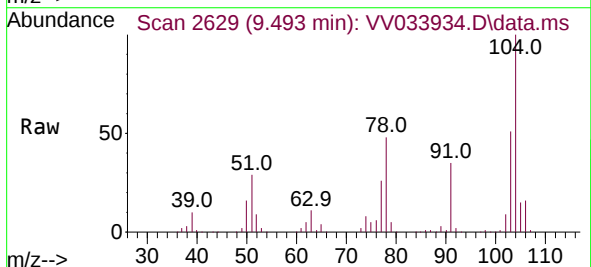
Instrument :
MSVOA_V
ClientSampleId :
VSTD050392

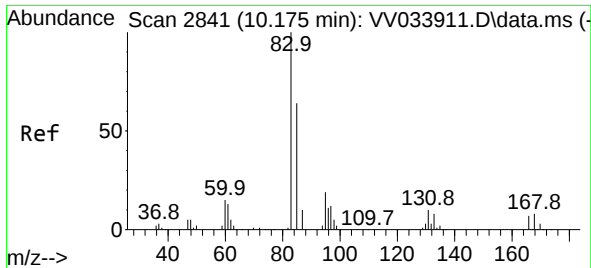
Tgt Ion:106 Resp: 127928
Ion Ratio Lower Upper
106 100
91 220.2 155.2 288.2



#55
Styrene
Concen: 47.261 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

Tgt Ion:104 Resp: 219826
Ion Ratio Lower Upper
104 100
78 47.8 33.0 61.4

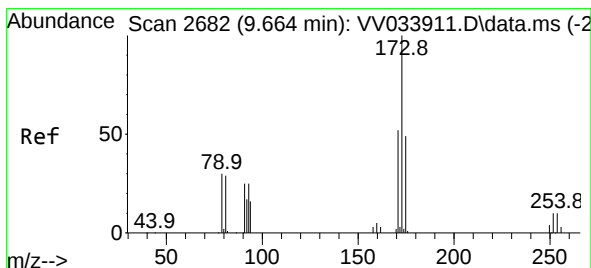
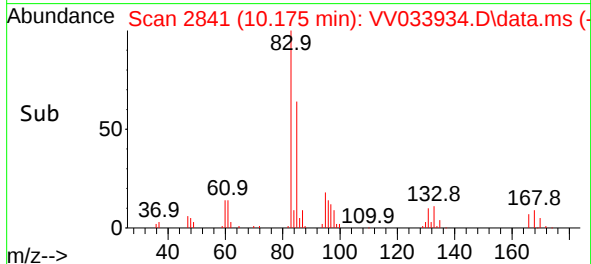
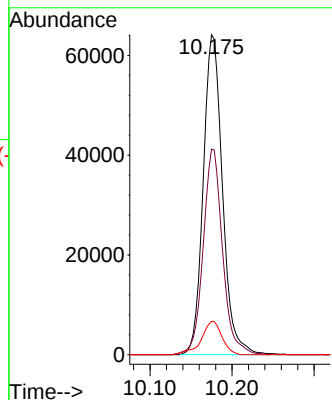
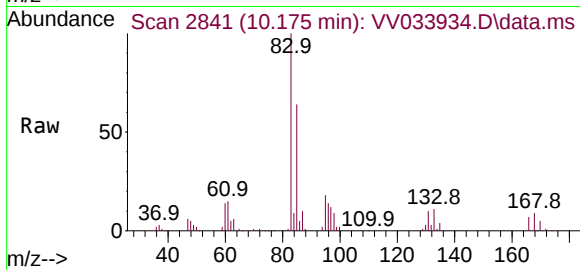




#57
 1,1,2,2-Tetrachloroethane
 Concen: 43.759 ug/L
 RT: 10.175 min Scan# 2841
 Delta R.T. 0.000 min
 Lab File: VV033934.D
 Acq: 01 Feb 2024 09:05

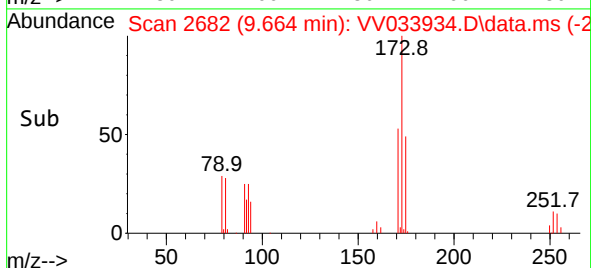
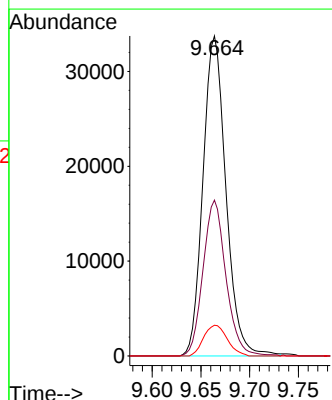
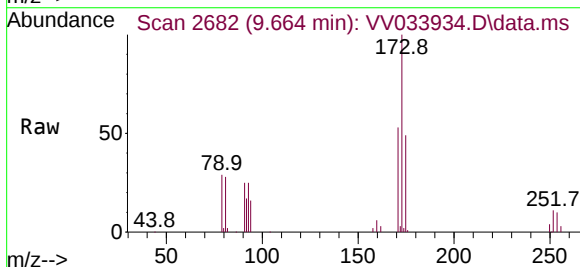
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050392

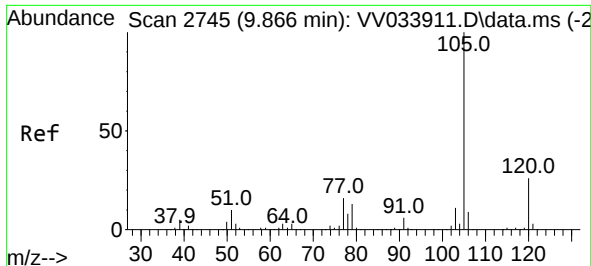
Tgt Ion: 83 Resp: 104683
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.9 83.5
 131 10.4 7.5 11.3



#59
 Bromoform
 Concen: 47.525 ug/L
 RT: 9.664 min Scan# 2682
 Delta R.T. -0.000 min
 Lab File: VV033934.D
 Acq: 01 Feb 2024 09:05

Tgt Ion: 173 Resp: 55374
 Ion Ratio Lower Upper
 173 100
 175 48.6 37.2 55.8
 254 9.9 7.4 11.0

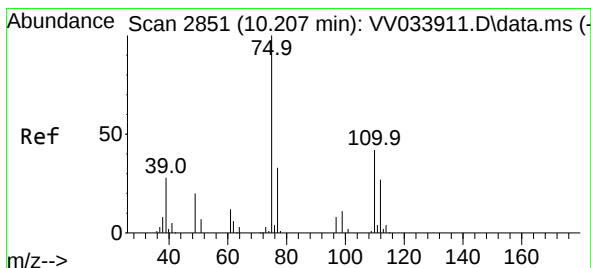
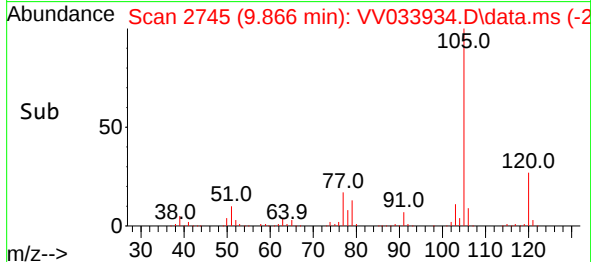
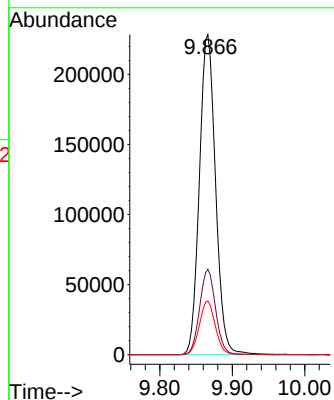
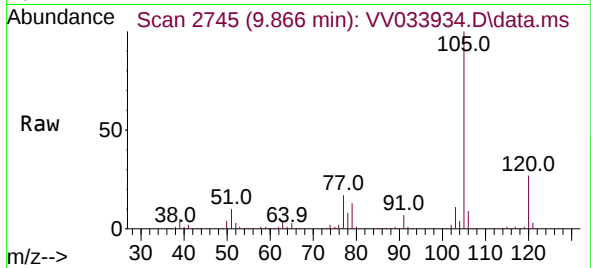




#60
Isopropylbenzene
Concen: 47.721 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

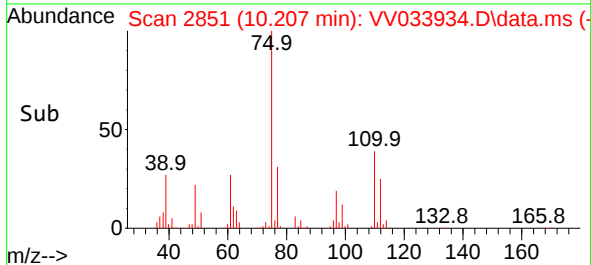
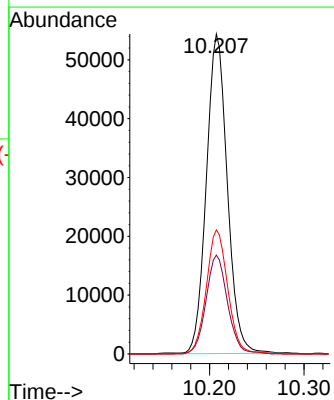
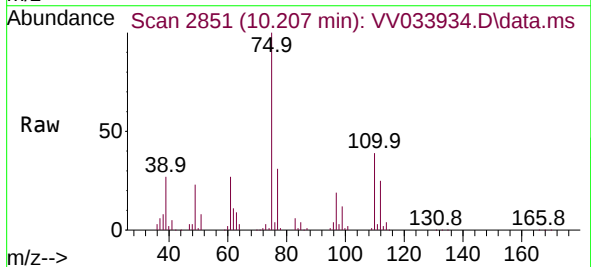
Instrument :
MSVOA_V
ClientSampleId :
VSTD050392

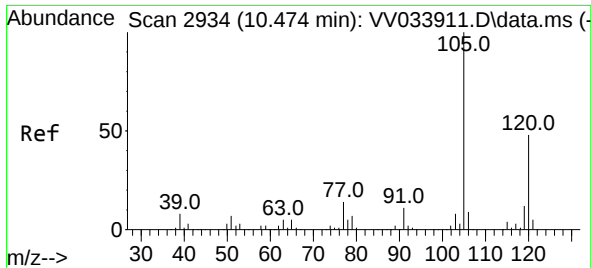
Tgt Ion:105 Resp: 353960
Ion Ratio Lower Upper
105 100
120 26.2 20.6 31.0
77 16.6 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 42.975 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

Tgt Ion: 75 Resp: 83613
Ion Ratio Lower Upper
75 100
77 31.7 25.3 37.9
110 39.8 29.5 44.3

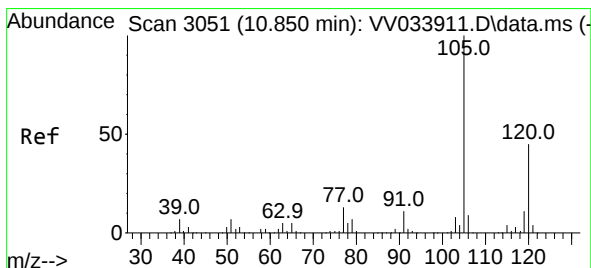
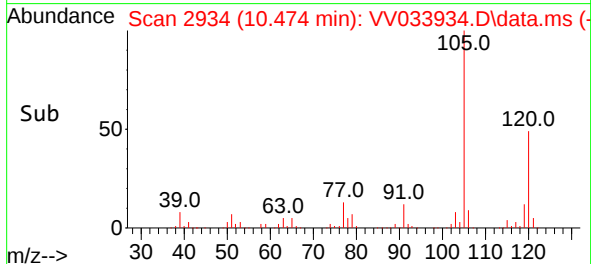
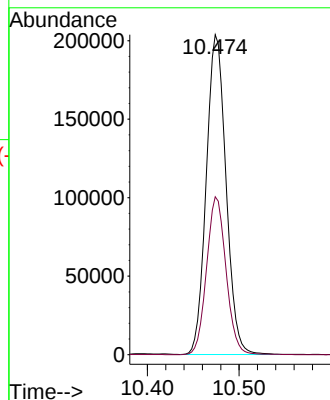
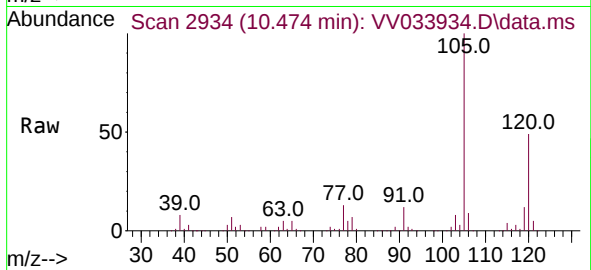




#62
1,3,5-Trimethylbenzene
Concen: 47.925 ug/L
RT: 10.474 min Scan# 2934
Delta R.T. 0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

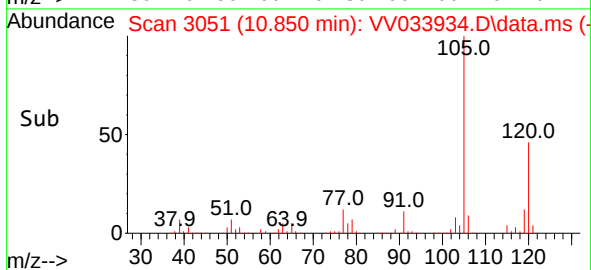
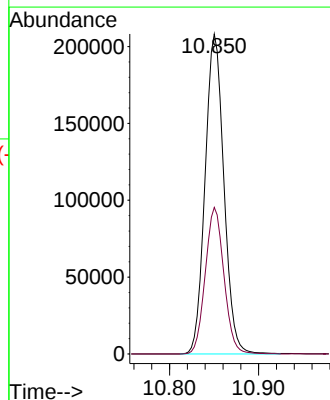
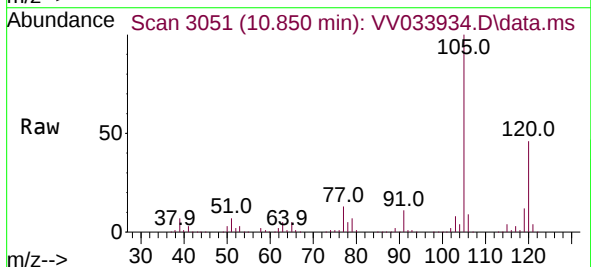
Instrument :
MSVOA_V
ClientSampleId :
VSTD050392

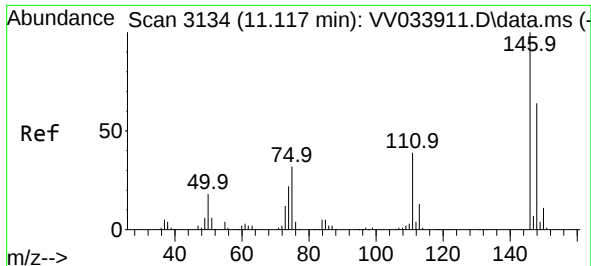
Tgt Ion:105 Resp: 304998
Ion Ratio Lower Upper
105 100
120 48.7 39.1 58.7



#63
1,2,4-Trimethylbenzene
Concen: 48.022 ug/L
RT: 10.850 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

Tgt Ion:105 Resp: 304512
Ion Ratio Lower Upper
105 100
120 45.5 35.4 53.0

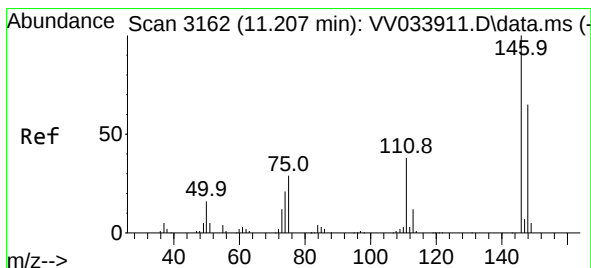
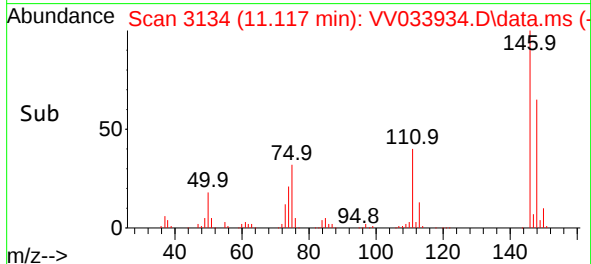
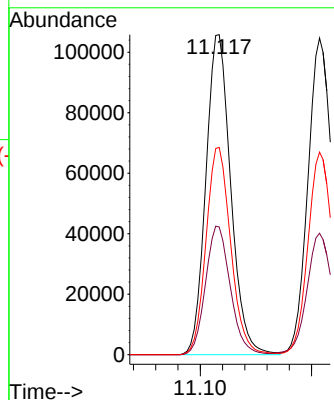
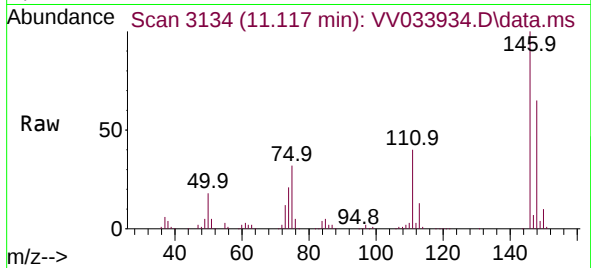




#64
1,3-Dichlorobenzene
Concen: 49.048 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

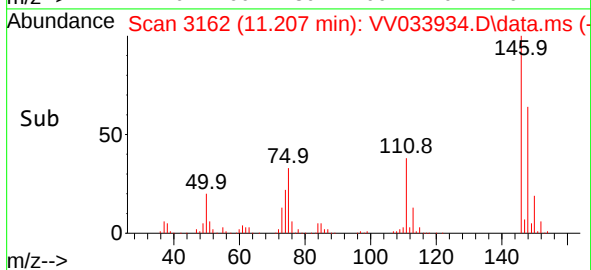
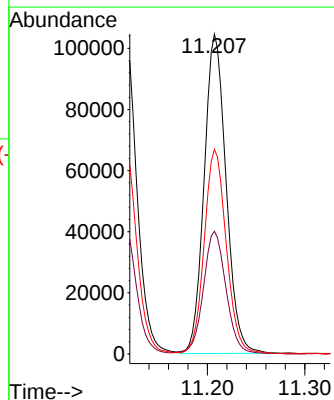
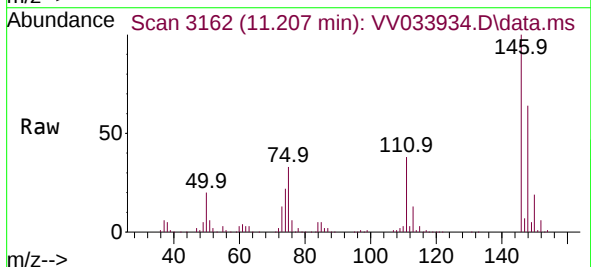
Instrument :
MSVOA_V
ClientSampleId :
VSTD050392

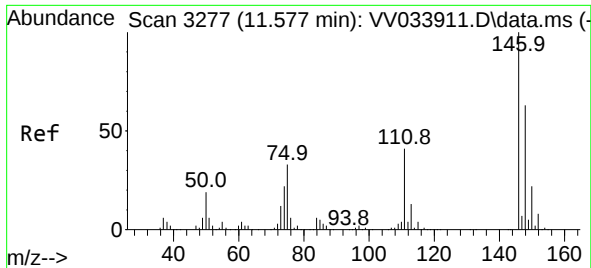
Tgt Ion:146 Resp: 164330
Ion Ratio Lower Upper
146 100
111 39.9 29.0 53.8
148 64.8 43.9 81.5



#65
1,4-Dichlorobenzene
Concen: 48.606 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.000 min
Lab File: VV033934.D
Acq: 01 Feb 2024 09:05

Tgt Ion:146 Resp: 163286
Ion Ratio Lower Upper
146 100
111 38.4 27.7 51.5
148 64.0 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 49.656 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033934.D

Acq: 01 Feb 2024 09:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD050392

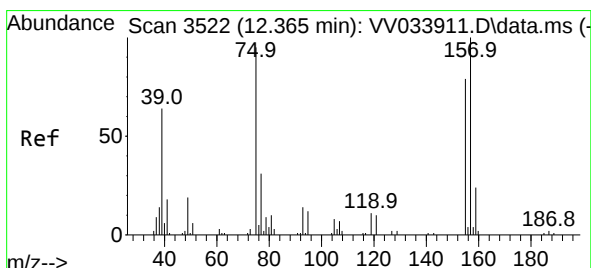
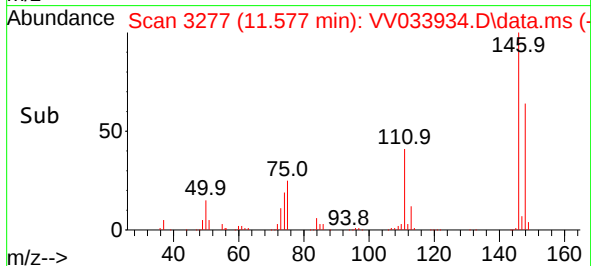
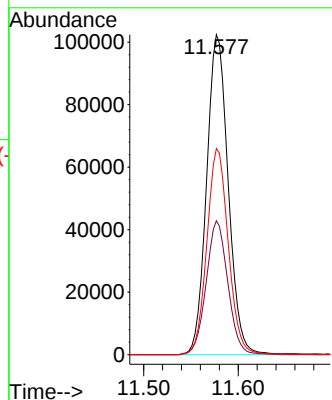
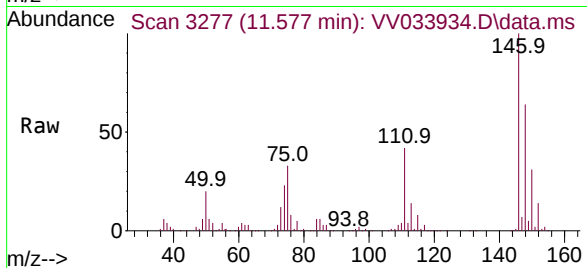
Tgt Ion:146 Resp: 162558

Ion Ratio Lower Upper

146 100

111 41.9 35.4 53.0

148 64.4 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 42.683 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.004 min

Lab File: VV033934.D

Acq: 01 Feb 2024 09:05

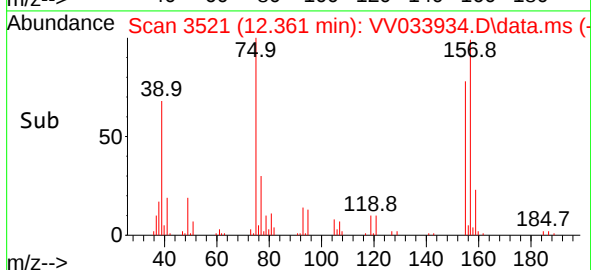
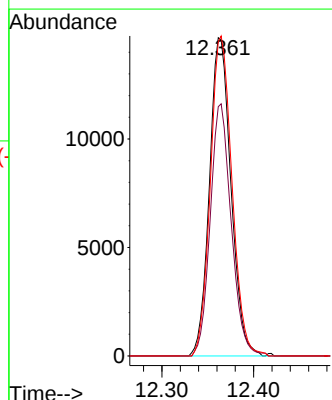
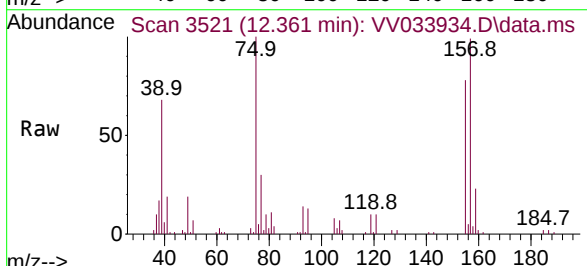
Tgt Ion: 75 Resp: 23964

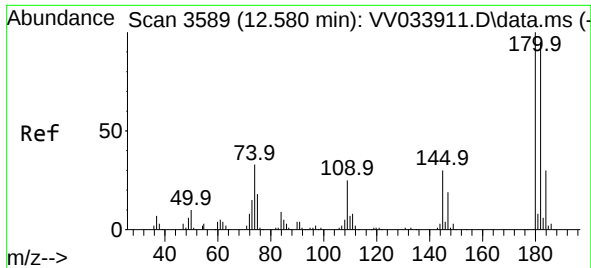
Ion Ratio Lower Upper

75 100

155 78.3 61.6 92.4

157 98.8 79.2 118.8





#69

1,3,5-Trichlorobenzene

Concen: 51.622 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

Lab File: VV033934.D

Acq: 01 Feb 2024 09:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD050392

Tgt Ion:180 Resp: 127805

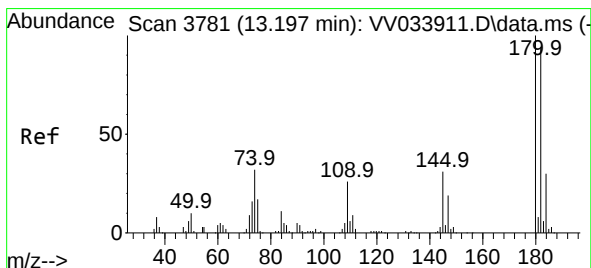
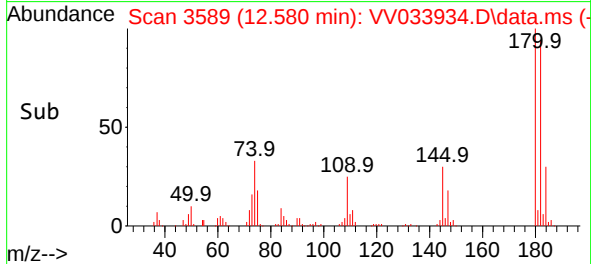
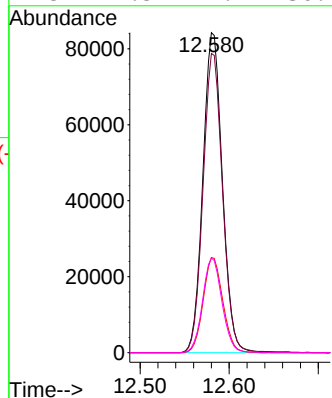
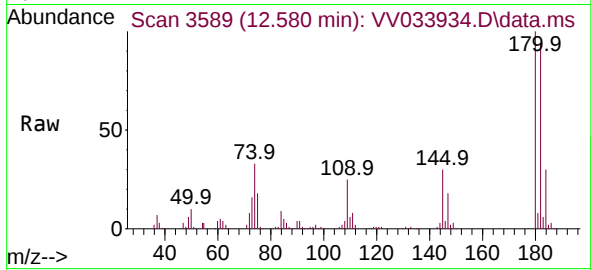
Ion Ratio Lower Upper

180 100

182 93.4 76.2 114.2

184 29.9 23.9 35.9

145 29.5 24.4 36.6



#70

1,2,4-trichlorobenzene

Concen: 50.195 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV033934.D

Acq: 01 Feb 2024 09:05

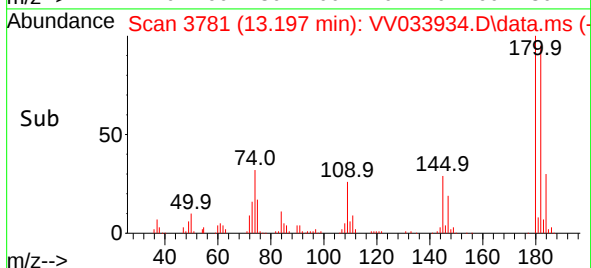
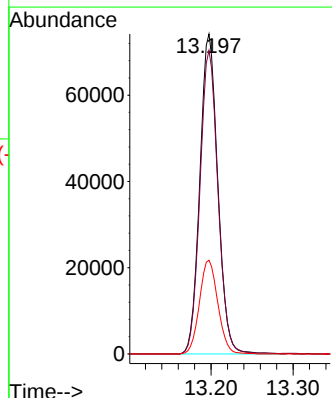
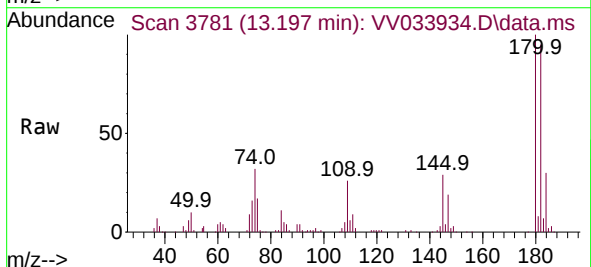
Tgt Ion:180 Resp: 112795

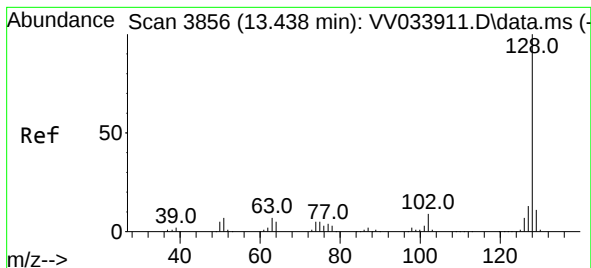
Ion Ratio Lower Upper

180 100

182 94.9 76.3 114.5

145 30.0 25.4 38.0





#71

Naphthalene

Concen: 42.130 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.001 min

Lab File: VV033934.D

Acq: 01 Feb 2024 09:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD050392

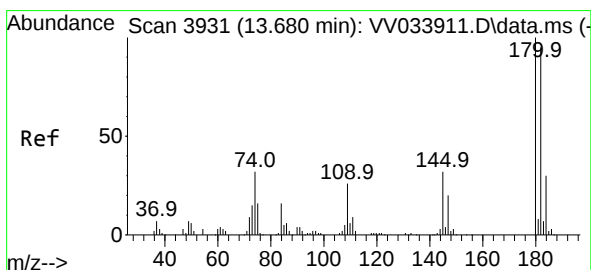
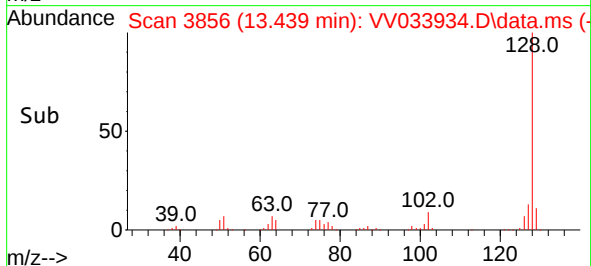
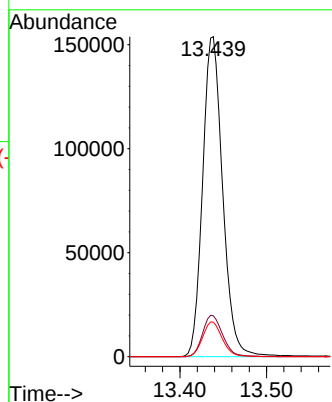
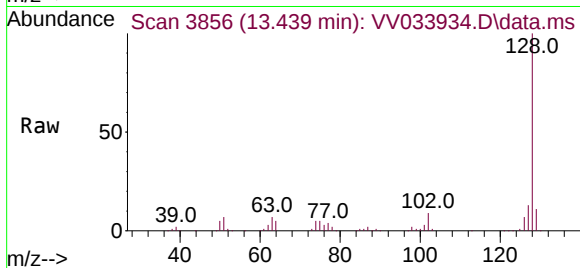
Tgt Ion:128 Resp: 247387

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 10.6 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 51.786 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV033934.D

Acq: 01 Feb 2024 09:05

Tgt Ion:180 Resp: 108617

Ion Ratio Lower Upper

180 100

182 93.1 76.0 114.0

145 31.5 26.3 39.5

