

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120123\
 Data File : VW033076.D
 Acq On : 01 Dec 2023 13:47
 Operator : SY/MD
 Sample : VSTD100
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 04 03:55:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 04 03:53:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	332609	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	327318	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	207088	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	204330	102.764	ug/L	0.00
7) Chloroethane-d5	1.529	69	142038	102.525	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.059	65	76001	100.476	ug/L	0.00
21) 2-Butanone-d5	3.773	46	210366	218.378	ug/L	0.00
24) Chloroform-d	4.246	84	440808	104.466	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	275791	105.125	ug/L	0.00
32) Benzene-d6	4.957	84	813145	106.221	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.985	67	218101	105.961	ug/L	0.00
41) Toluene-d8	7.243	98	794094	108.740	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.548	79	141567	108.767	ug/L	0.00
47) 2-Hexanone-d5	8.021	63	189339	233.583	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.152	84	318197	108.749	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	388028	105.311	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	352844	97.051	ug/L	99
3) Chloromethane	1.214	50	234243	97.688	ug/L	99
5) Vinyl chloride	1.285	62	223932	97.375	ug/L	98
6) Bromomethane	1.481	94	145959	97.267	ug/L	98
8) Chloroethane	1.545	64	117766	96.187	ug/L	99
9) Trichlorofluoromethane	1.712	101	371041	97.779	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	177092	99.380	ug/L	98
12) 1,1-Dichloroethene	2.069	96	167020	100.161	ug/L	97
13) Acetone	2.108	43	175258	185.893	ug/L	99
14) Carbon disulfide	2.240	76	583370	97.510	ug/L	99
15) Methyl Acetate	2.368	43	157201	100.042	ug/L	99
16) Methylene chloride	2.445	84	211674	95.863	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	215973	98.644	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	678802	102.060	ug/L	99
19) 1,1-Dichloroethane	3.111	63	354960	97.955	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	241114	103.789	ug/L	99
22) 2-Butanone	3.854	43	238927	206.828	ug/L	94
23) Bromochloromethane	4.146	128	129519	97.607	ug/L	99
25) Chloroform	4.272	83	415336	99.660	ug/L	97
27) 1,2-Dichloroethane	5.037	62	332152	100.859	ug/L	99
29) Cyclohexane	4.584	56	309836	102.485	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	406634	100.523	ug/L	99
31) Carbon tetrachloride	4.735	117	380431	101.143	ug/L	99
33) Benzene	5.008	78	844913	101.864	ug/L	100
34) Trichloroethene	5.831	95	244798	98.788	ug/L	98
35) Methylcyclohexane	6.050	83	374431	104.112	ug/L	100
37) 1,2-Dichloropropane	6.091	63	191391	99.703	ug/L	100
38) Bromodichloromethane	6.429	83	316939	102.413	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	367964	105.638	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	435633	213.737	ug/L	100
42) Toluene	7.313	91	967668	103.530	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	373437	106.023	ug/L	100

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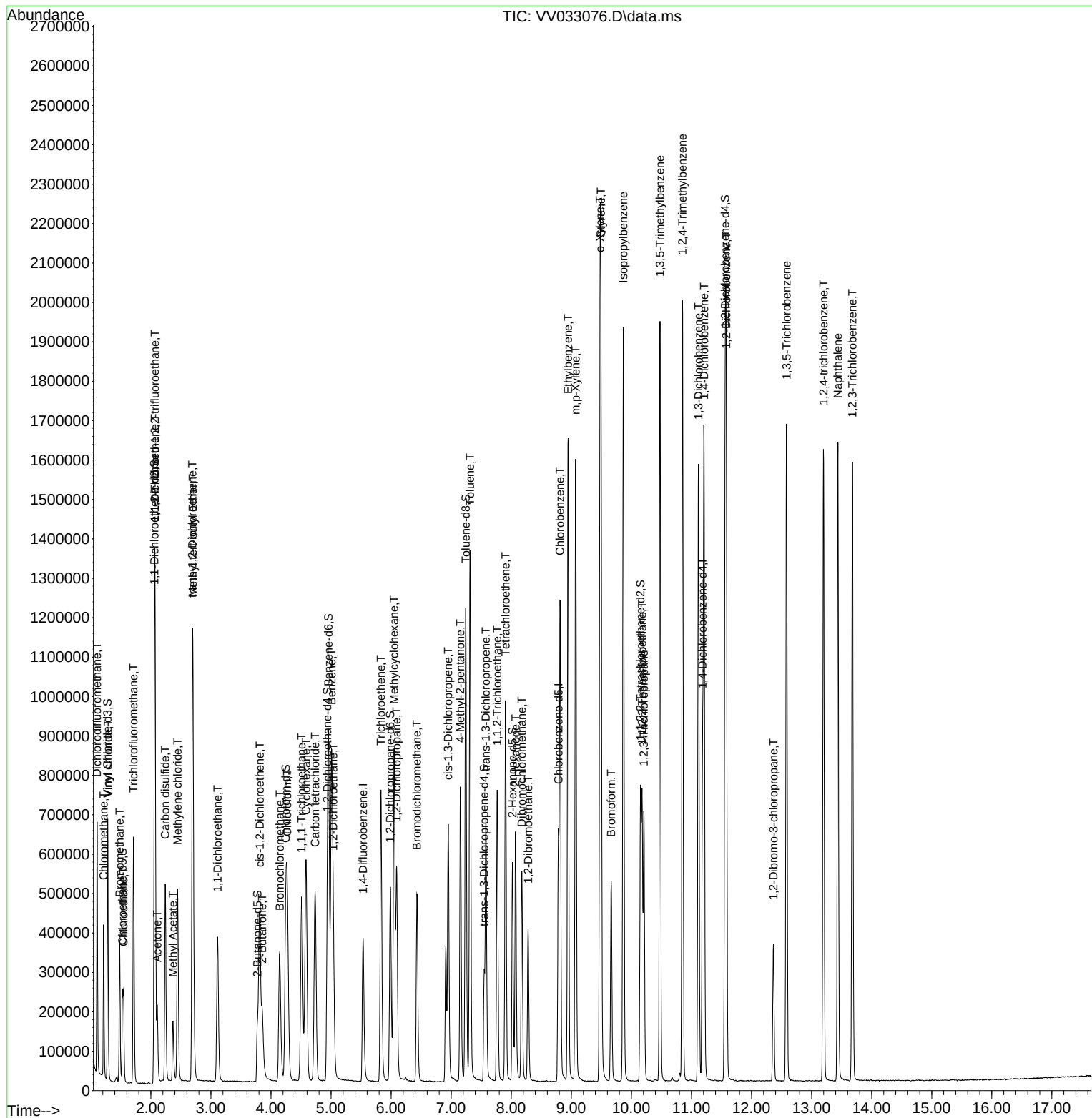
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.767	97	223088	100.231	ug/L	99
46) Tetrachloroethene	7.905	164	216102	101.448	ug/L	97
48) 2-Hexanone	8.072	43	351995	215.868	ug/L	99
49) Dibromochloromethane	8.175	129	269793	101.540	ug/L	100
50) 1,2-Dibromoethane	8.281	107	243568	102.643	ug/L	100
51) Chlorobenzene	8.812	112	656443	99.873	ug/L	98
52) Ethylbenzene	8.947	91	1120895	104.187	ug/L	100
53) m,p-Xylene	9.072	106	442779	103.926	ug/L	98
54) o-Xylene	9.477	106	434861	103.435	ug/L	98
55) Styrene	9.493	104	772719	106.246	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	312003	102.600	ug/L	100
59) Bromoform	9.664	173	226566	100.804	ug/L	99
60) Isopropylbenzene	9.866	105	1215466	101.793	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	251372	97.346	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	1005290	104.496	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	1058466	105.645	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	636084	99.712	ug/L	100
65) 1,4-Dichlorobenzene	11.210	146	647227	97.672	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	625228	99.974	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	81372	102.698	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	520432	101.850	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	490254	103.849	ug/L	99
71) Naphthalene	13.438	128	1228433	106.700	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	473014	103.839	ug/L	99

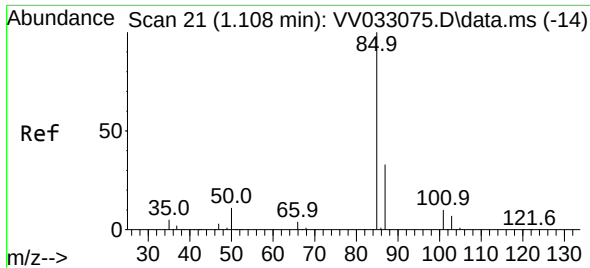
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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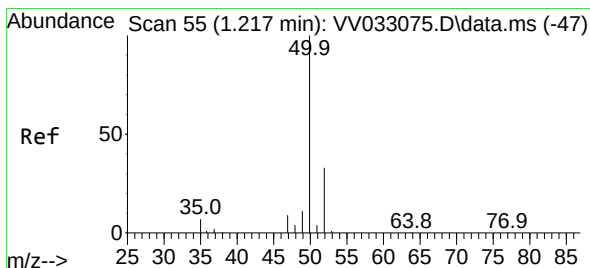
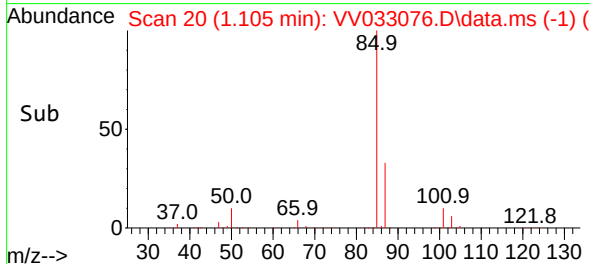
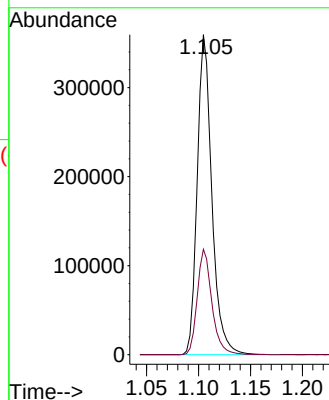
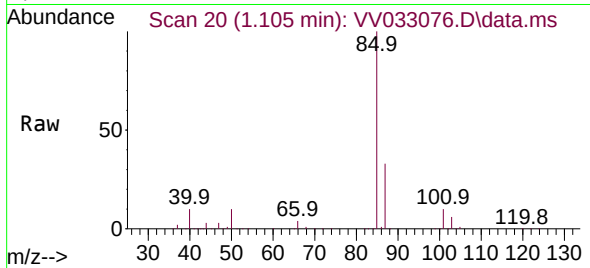




#2
 Dichlorodifluoromethane
 Concen: 97.051 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV033076.D
 Acq: 01 Dec 2023 13:47

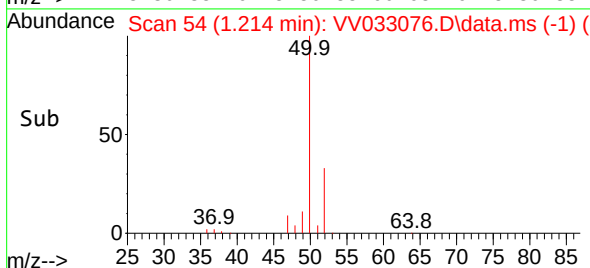
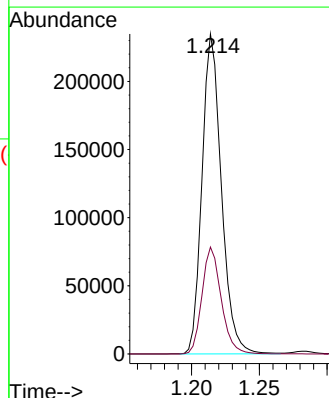
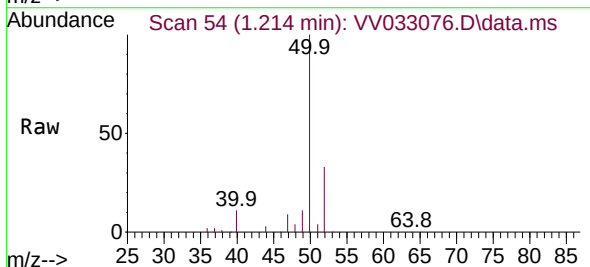
Instrument :
 MSVOA_V
 ClientSampleId :

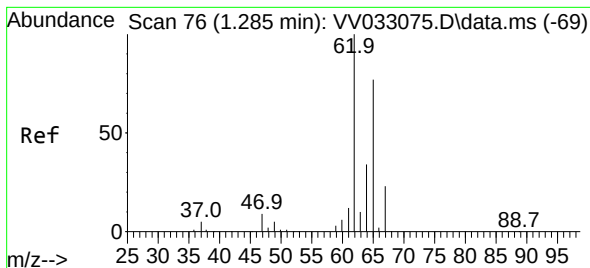
Tgt Ion: 85 Resp: 352844
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.0 39.0



#3
 Chloromethane
 Concen: 97.688 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV033076.D
 Acq: 01 Dec 2023 13:47

Tgt Ion: 50 Resp: 234243
 Ion Ratio Lower Upper
 50 100
 52 33.4 22.8 42.4





#5

Vinyl chloride

Concen: 97.375 ug/L

RT: 1.285 min Scan# 70

Delta R.T. -0.000 min

Lab File: VV033076.D

Acq: 01 Dec 2023 13:47

Instrument :

MSVOA_V

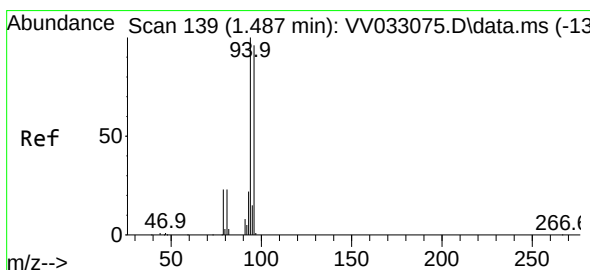
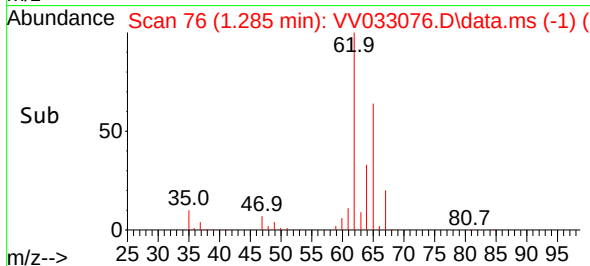
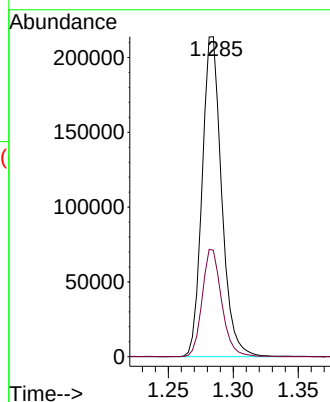
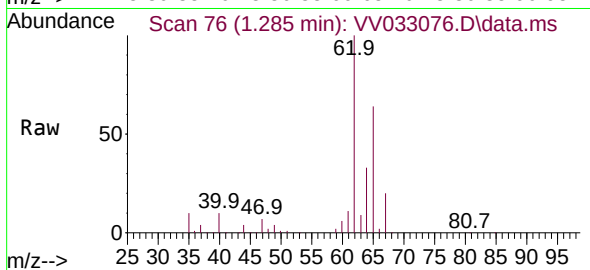
ClientSampleId :

Tgt Ion: 62 Resp: 223932

Ion Ratio Lower Upper

62 100

64 33.3 24.2 45.0



#6

Bromomethane

Concen: 97.267 ug/L

RT: 1.481 min Scan# 137

Delta R.T. -0.006 min

Lab File: VV033076.D

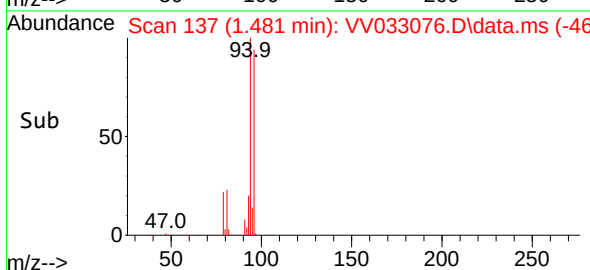
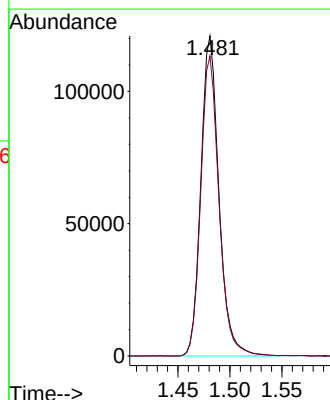
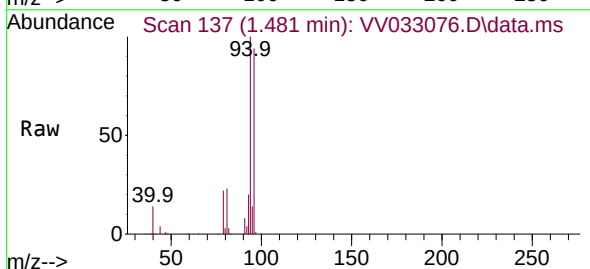
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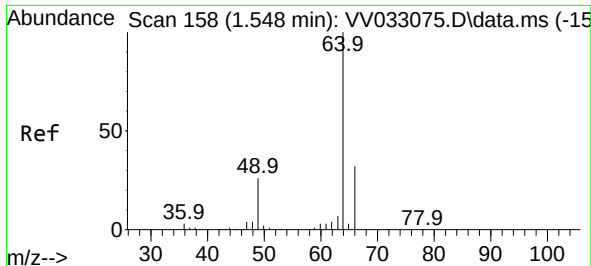
Tgt Ion: 94 Resp: 145959

Ion Ratio Lower Upper

94 100

96 93.7 67.1 124.7

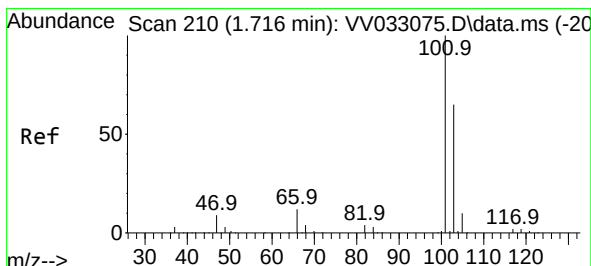
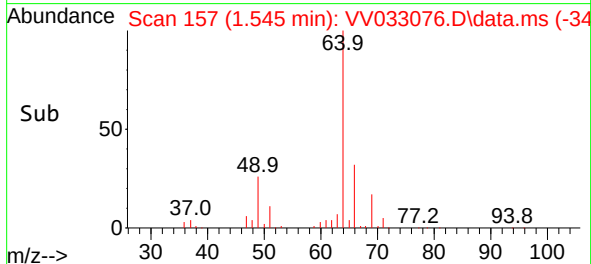
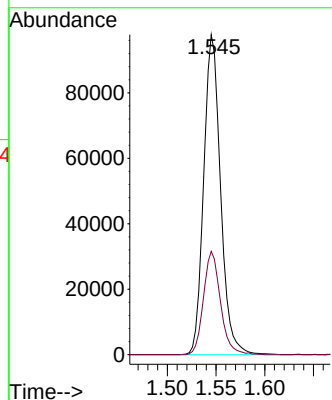
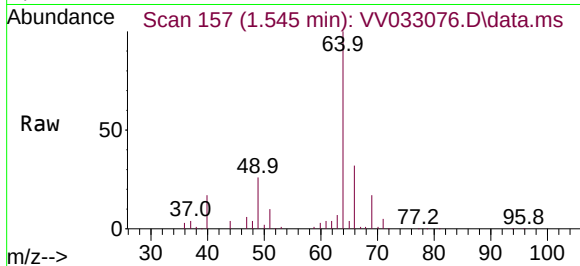




#8
Chloroethane
Concen: 96.187 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

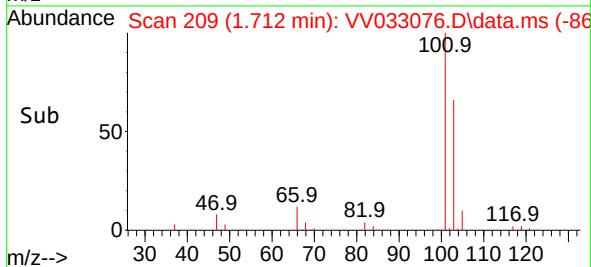
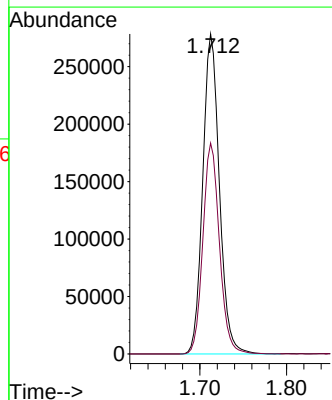
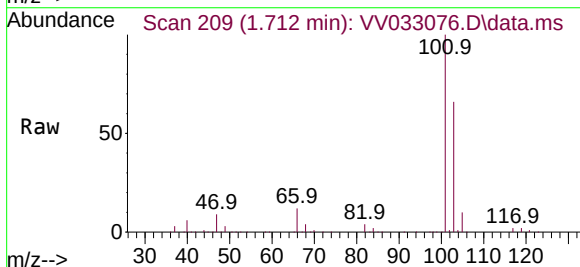
Instrument :
MSVOA_V
ClientSampleId :

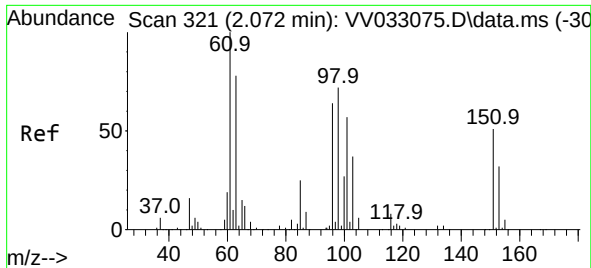
Tgt Ion: 64 Resp: 117766
Ion Ratio Lower Upper
64 100
66 32.3 22.3 41.5



#9
Trichlorofluoromethane
Concen: 97.779 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

Tgt Ion:101 Resp: 371041
Ion Ratio Lower Upper
101 100
103 65.4 51.3 76.9

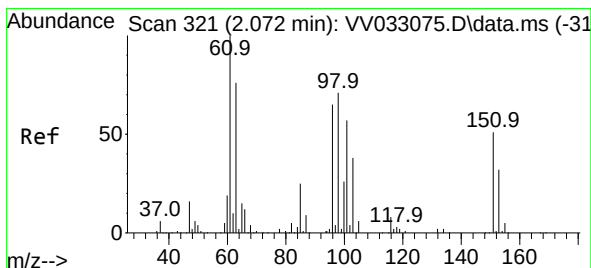
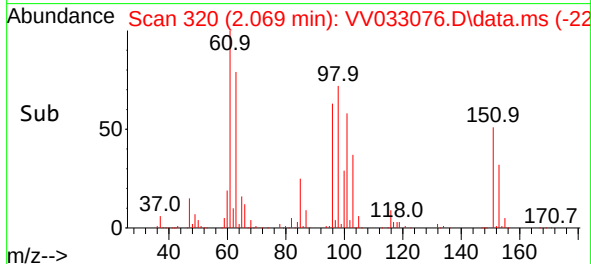
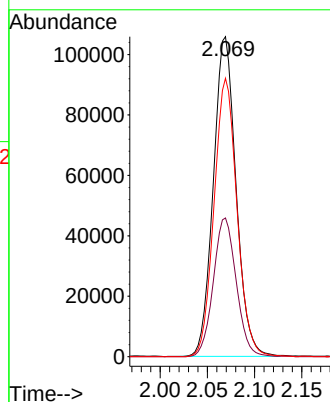
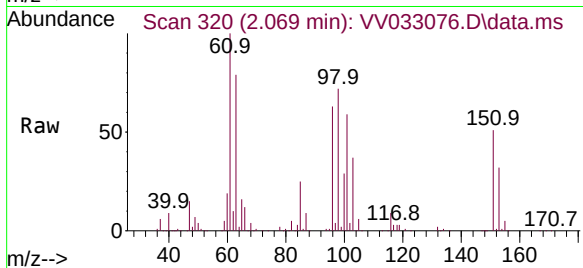




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 99.380 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV033076.D
 Acq: 01 Dec 2023 13:47

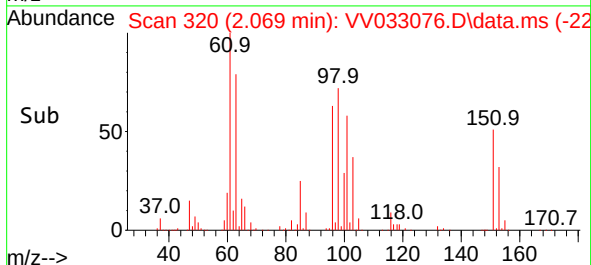
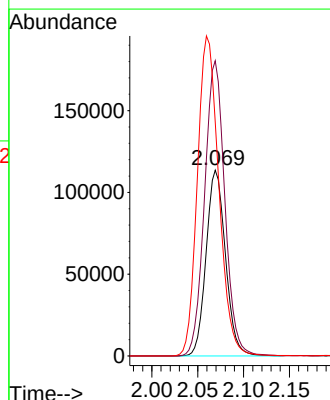
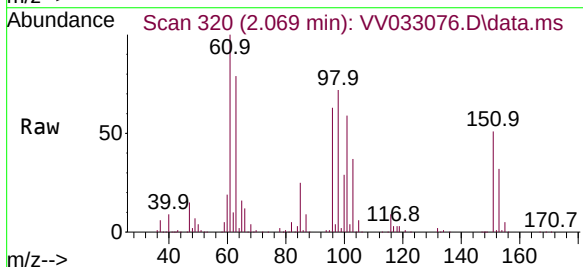
Instrument :
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 ClientSampleId :

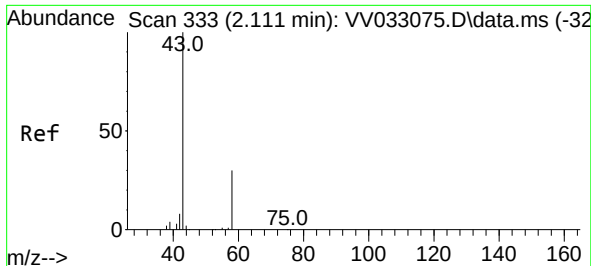
Tgt Ion:101 Resp: 177092
 Ion Ratio Lower Upper
 101 100
 85 43.7 36.0 54.0
 151 87.9 69.1 103.7



#12
 1,1-Dichloroethene
 Concen: 100.161 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.003 min
 Lab File: VV033076.D
 Acq: 01 Dec 2023 13:47

Tgt Ion: 96 Resp: 167020
 Ion Ratio Lower Upper
 96 100
 61 158.9 109.1 202.7
 63 125.9 85.3 158.3





#13

Acetone

Concen: 185.893 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV033076.D

Acq: 01 Dec 2023 13:47

Instrument :

MSVOA_V

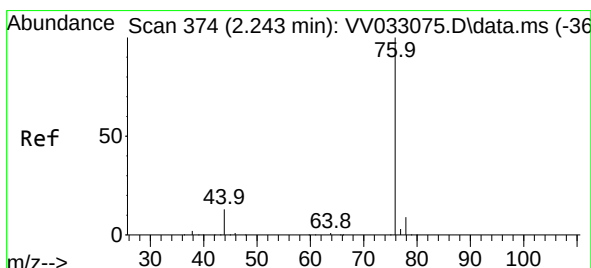
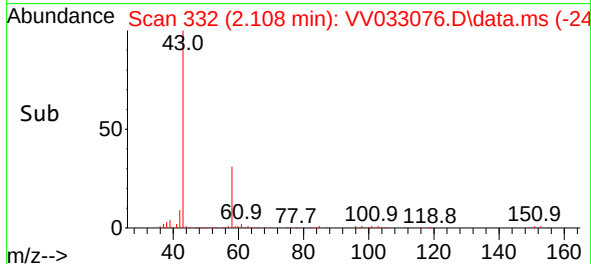
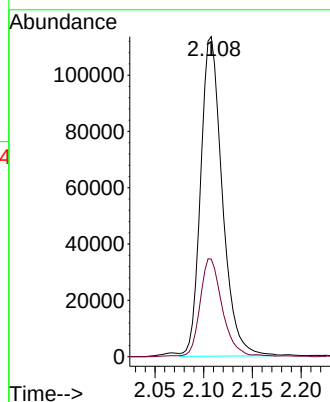
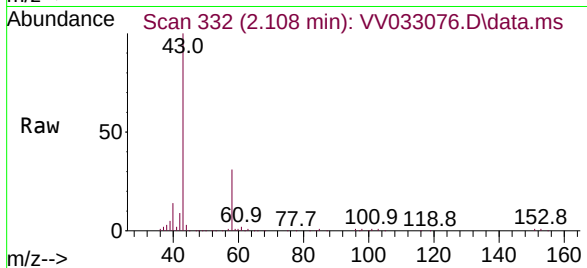
ClientSampleId :

Tgt Ion: 43 Resp: 175258

Ion Ratio Lower Upper

43 100

58 30.6 0.0 62.8



#14

Carbon disulfide

Concen: 97.510 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV033076.D

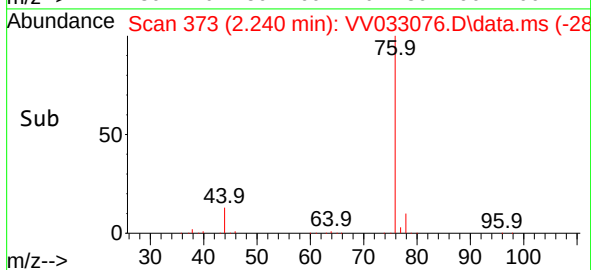
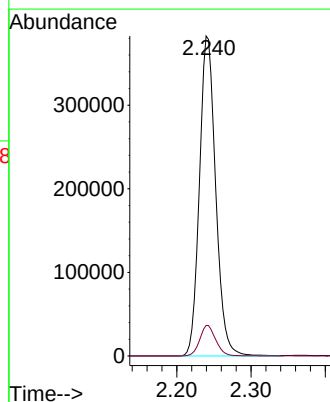
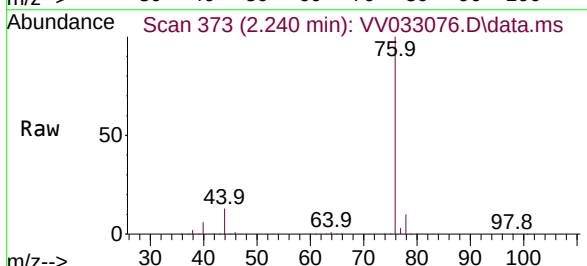
Acq: 01 Dec 2023 13:47

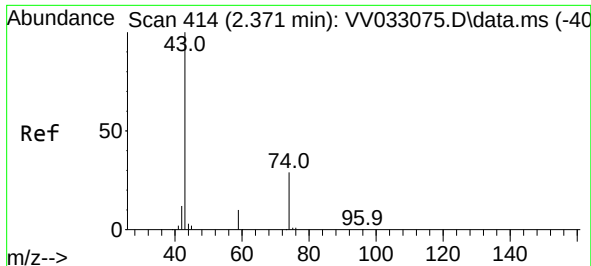
Tgt Ion: 76 Resp: 583370

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

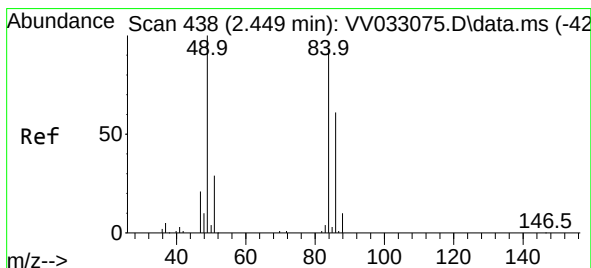
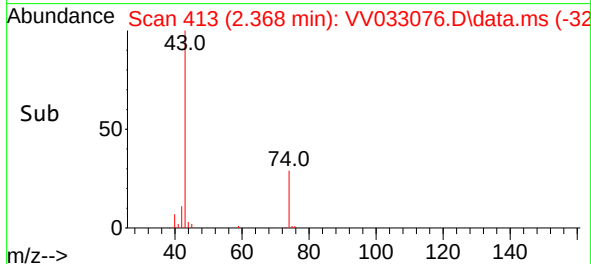
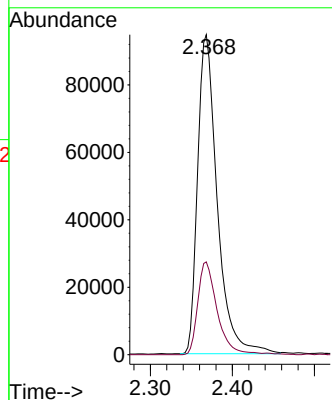
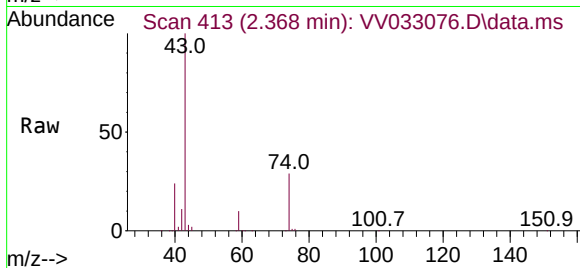




#15
Methyl Acetate
Concen: 100.042 ug/L
RT: 2.368 min Scan# 414
Delta R.T. -0.003 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

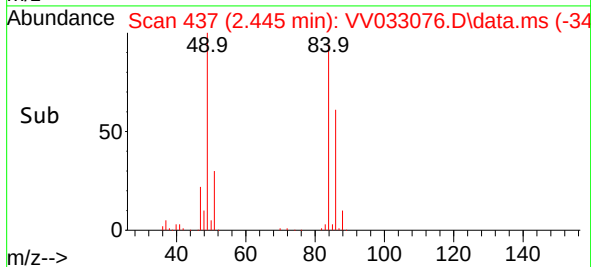
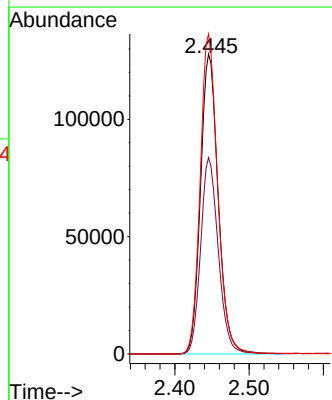
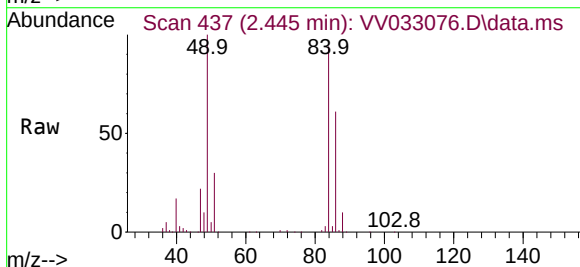
Instrument :
MSVOA_V
ClientSampleId :

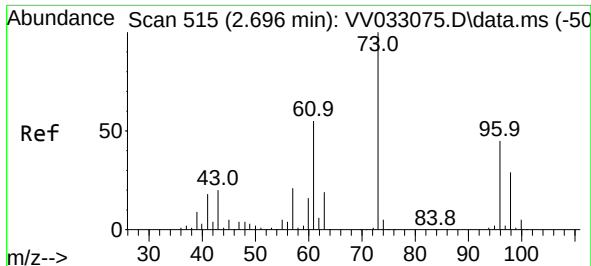
Tgt Ion: 43 Resp: 157201
Ion Ratio Lower Upper
43 100
74 28.5 22.6 33.8



#16
Methylene chloride
Concen: 95.863 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

Tgt Ion: 84 Resp: 211674
Ion Ratio Lower Upper
84 100
86 65.5 45.9 85.3
49 106.7 75.5 140.1

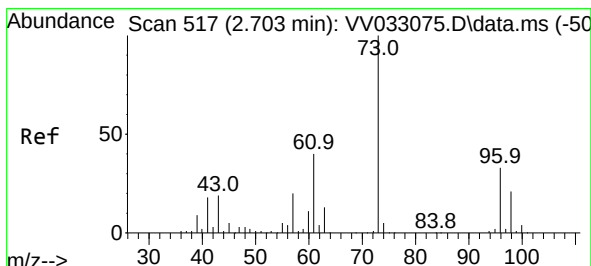
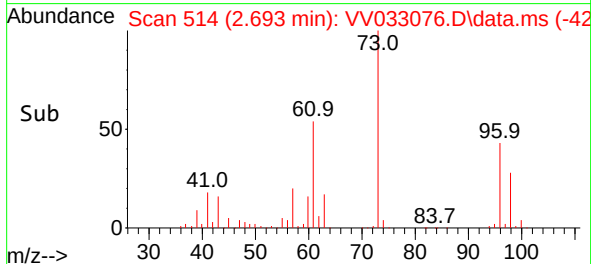
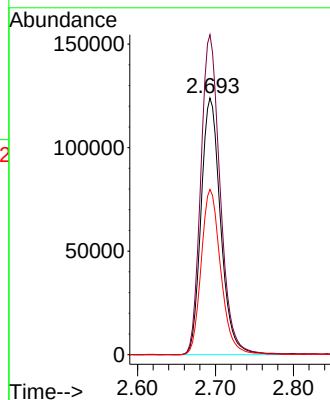
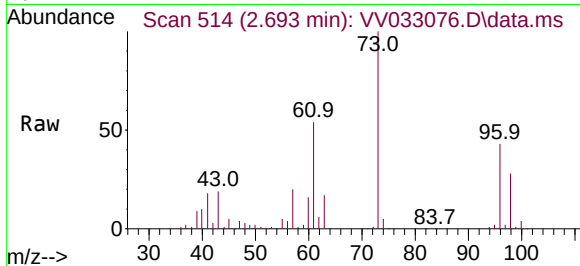




#17
trans-1,2-Dichloroethene
Concen: 98.644 ug/L
RT: 2.693 min Scan# 515
Delta R.T. -0.003 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

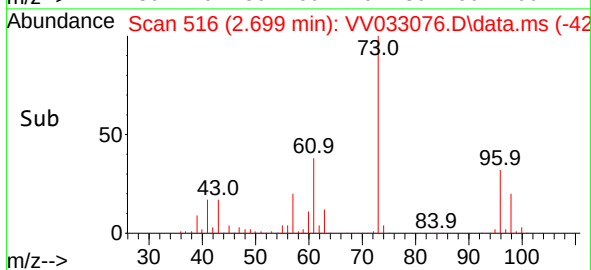
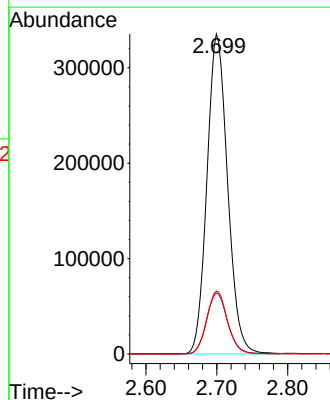
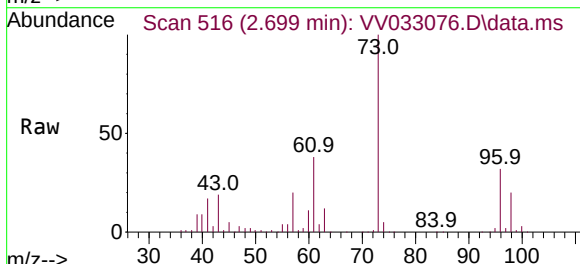
Instrument :
MSVOA_V
ClientSampleId :

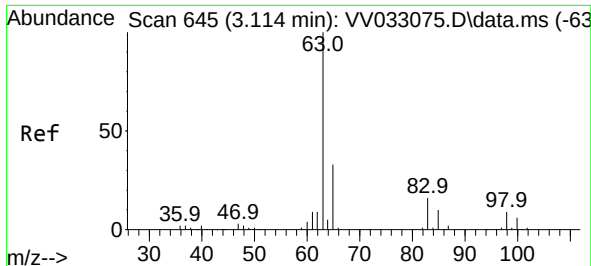
Tgt Ion: 96 Resp: 215973
Ion Ratio Lower Upper
96 100
61 124.7 86.5 160.6
98 64.4 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 102.060 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.003 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

Tgt Ion: 73 Resp: 678802
Ion Ratio Lower Upper
73 100
43 19.2 15.4 23.2
57 19.7 16.1 24.1





#19

1,1-Dichloroethane

Concen: 97.955 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV033076.D

Acq: 01 Dec 2023 13:47

Instrument :

MSVOA_V

ClientSampleId :

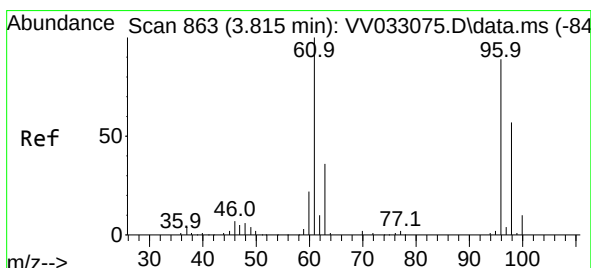
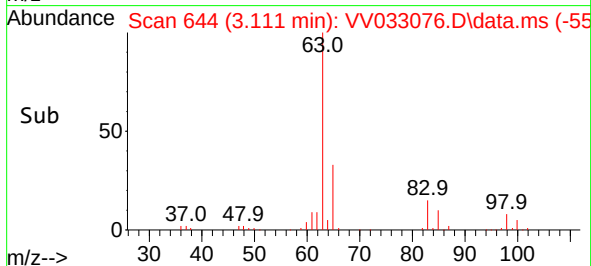
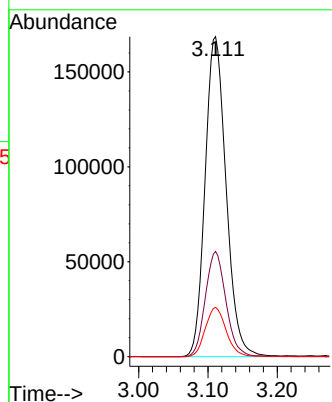
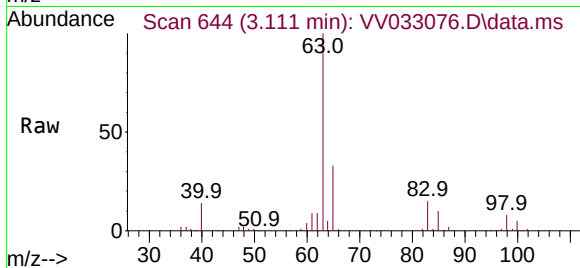
Tgt Ion: 63 Resp: 354960

Ion Ratio Lower Upper

63 100

65 32.9 23.0 42.6

83 15.4 11.4 21.2



#20

cis-1,2-Dichloroethene

Concen: 103.789 ug/L

RT: 3.812 min Scan# 862

Delta R.T. -0.003 min

Lab File: VV033076.D

Acq: 01 Dec 2023 13:47

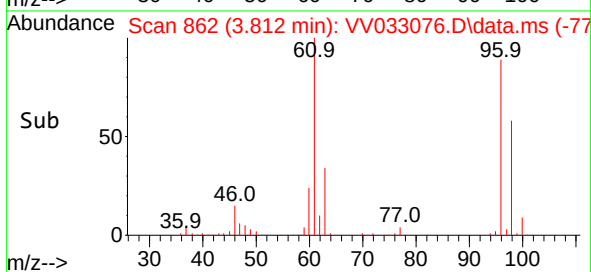
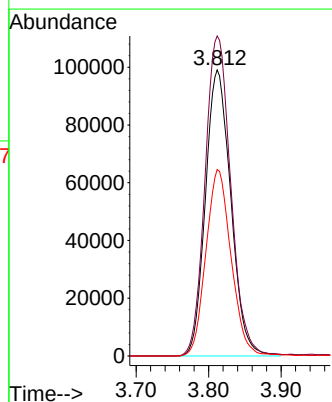
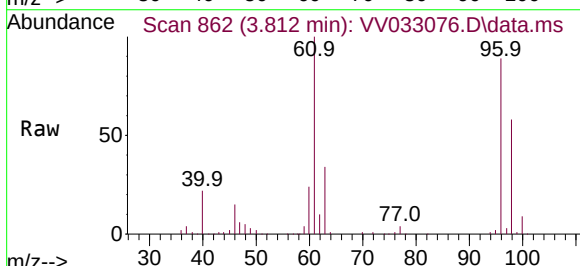
Tgt Ion: 96 Resp: 241114

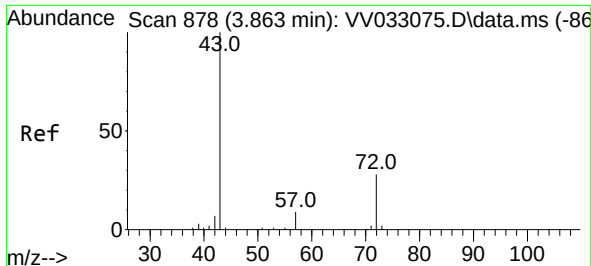
Ion Ratio Lower Upper

96 100

61 111.9 79.1 146.9

98 65.2 45.1 83.7

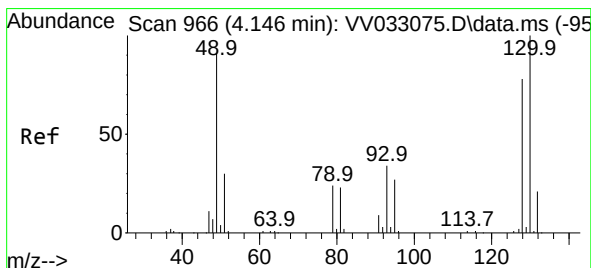
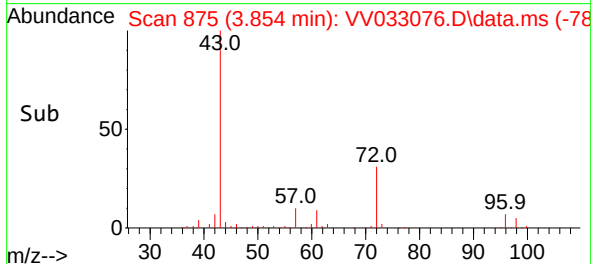
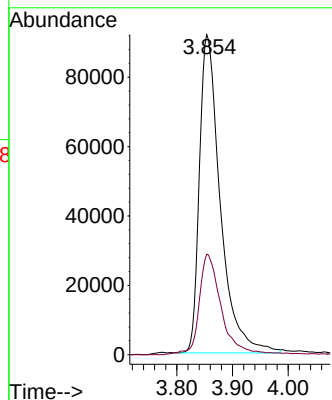
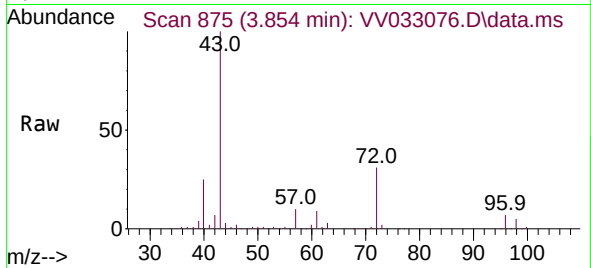




#22
2-Butanone
Concen: 206.828 ug/L
RT: 3.854 min Scan# 81
Delta R.T. -0.010 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

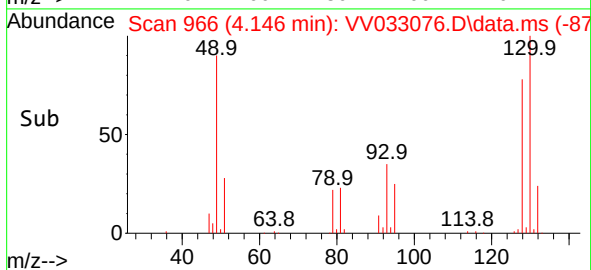
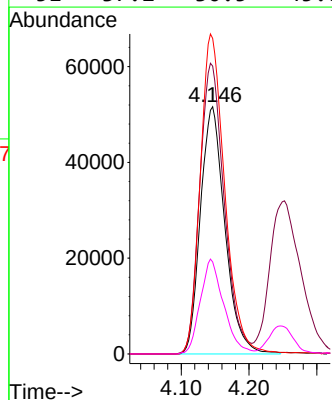
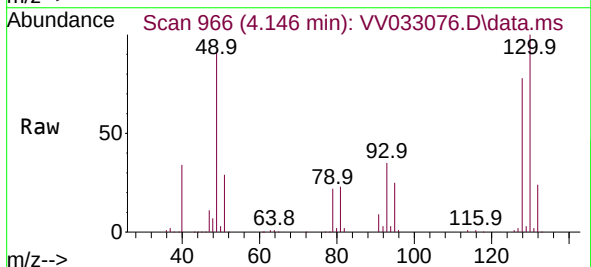
Instrument :
MSVOA_V
ClientSampleId :

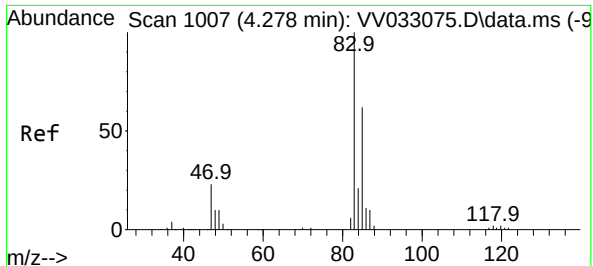
Tgt Ion: 43 Resp: 238927
Ion Ratio Lower Upper
43 100
72 32.5 14.6 43.8



#23
Bromochloromethane
Concen: 97.607 ug/L
RT: 4.146 min Scan# 966
Delta R.T. -0.000 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

Tgt Ion:128 Resp: 129519
Ion Ratio Lower Upper
128 100
49 116.4 81.7 151.7
130 127.6 90.1 167.3
51 37.2 30.5 45.7





#25

Chloroform

Concen: 99.660 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. -0.006 min

Lab File: VV033076.D

Acq: 01 Dec 2023 13:47

Instrument :

MSVOA_V

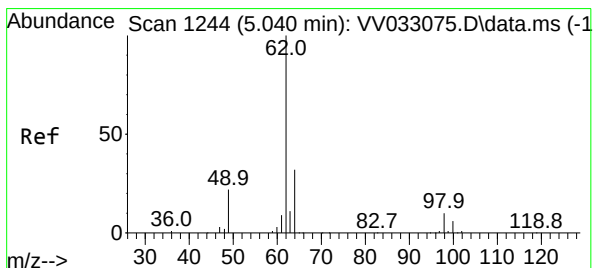
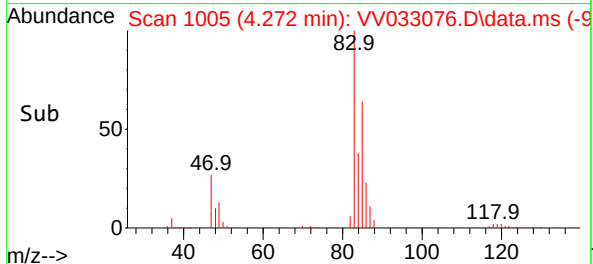
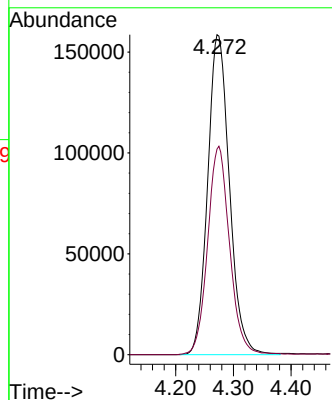
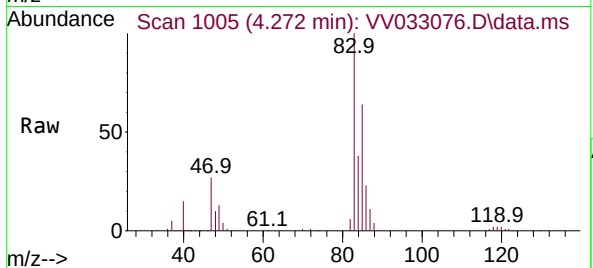
ClientSampleId :

Tgt Ion: 83 Resp: 415336

Ion Ratio Lower Upper

83 100

85 64.2 43.5 80.7



#27

1,2-Dichloroethane

Concen: 100.859 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.003 min

Lab File: VV033076.D

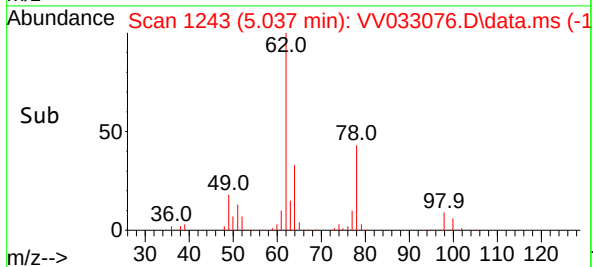
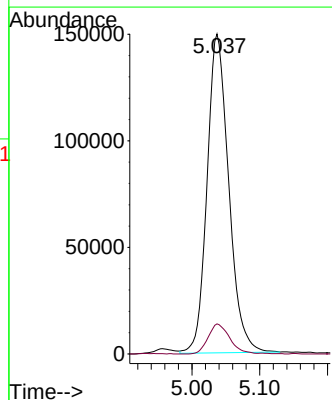
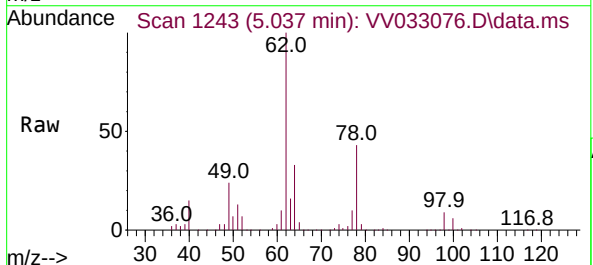
Acq: 01 Dec 2023 13:47

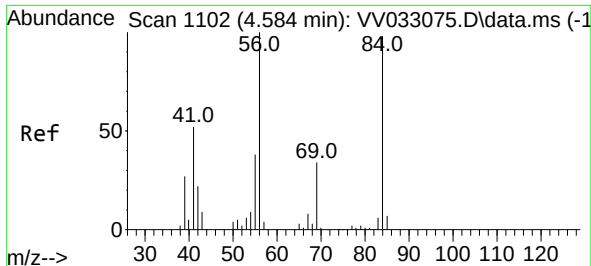
Tgt Ion: 62 Resp: 332152

Ion Ratio Lower Upper

62 100

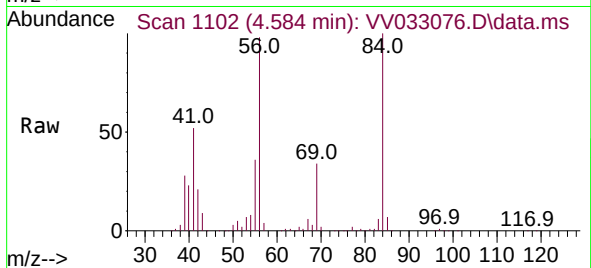
98 9.4 7.8 11.8



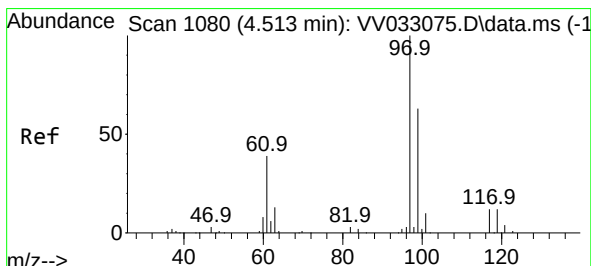
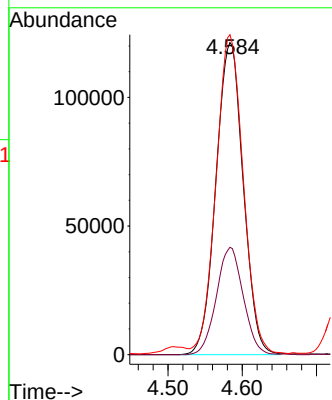
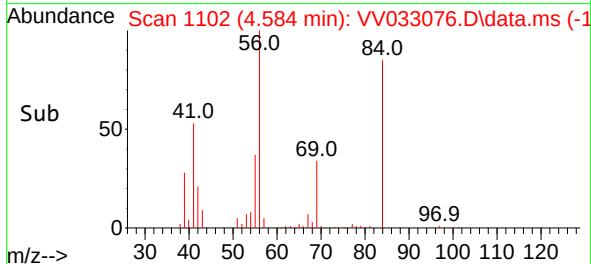


#29
Cyclohexane
Concen: 102.485 ug/L
RT: 4.584 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

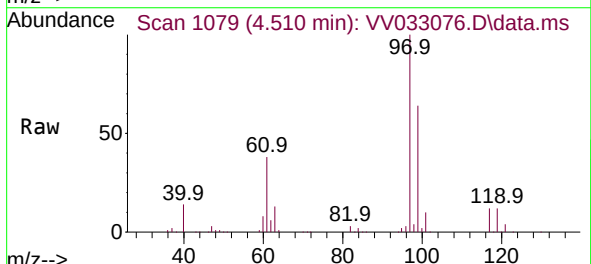
Instrument :
MSVOA_V
ClientSampleId :



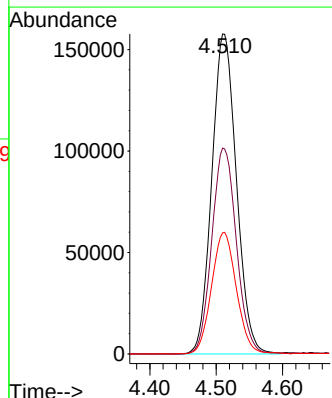
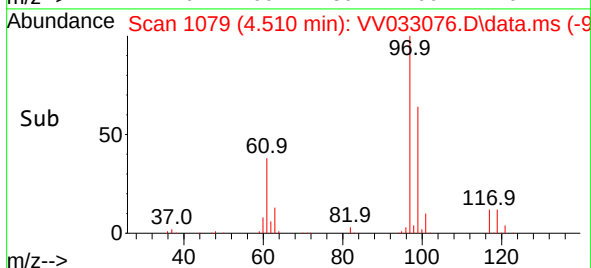
Tgt Ion: 56 Resp: 309836
Ion Ratio Lower Upper
56 100
69 33.8 26.9 40.3
84 101.7 80.6 121.0

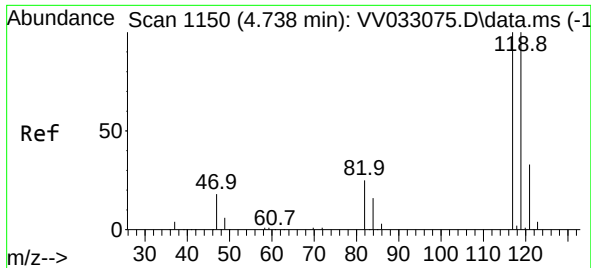


#30
1,1,1-Trichloroethane
Concen: 100.523 ug/L
RT: 4.510 min Scan# 1079
Delta R.T. -0.003 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47



Tgt Ion: 97 Resp: 406634
Ion Ratio Lower Upper
97 100
99 64.6 51.3 76.9
61 38.2 31.8 47.8

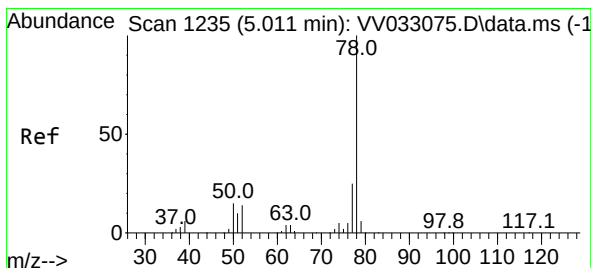
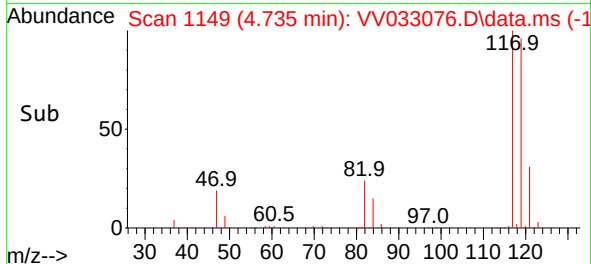
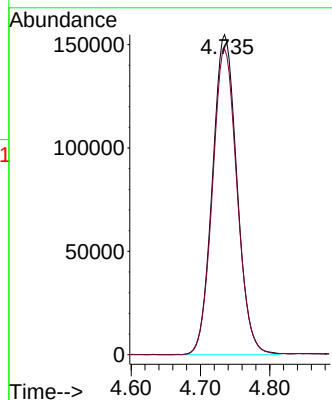
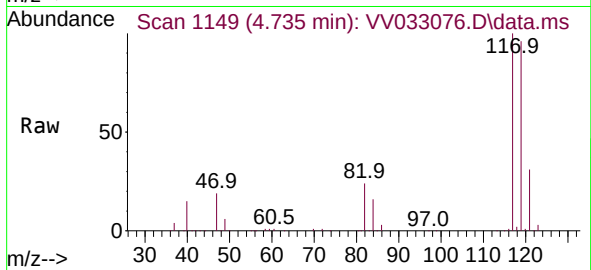




#31
Carbon tetrachloride
Concen: 101.143 ug/L
RT: 4.735 min Scan# 1150
Delta R.T. -0.003 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

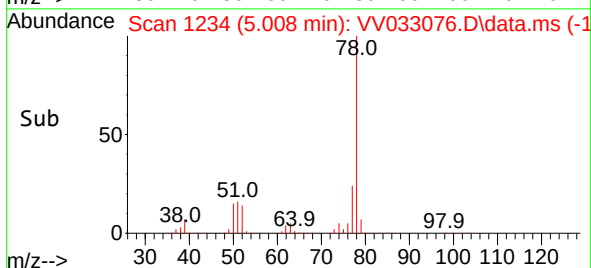
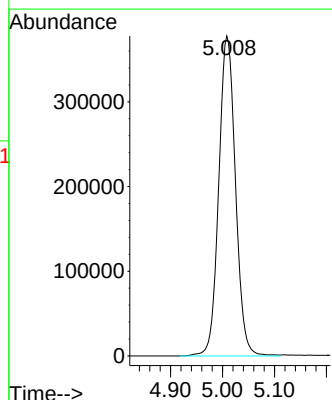
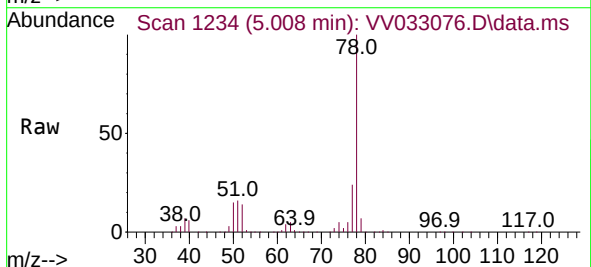
Instrument :
MSVOA_V
ClientSampleId :

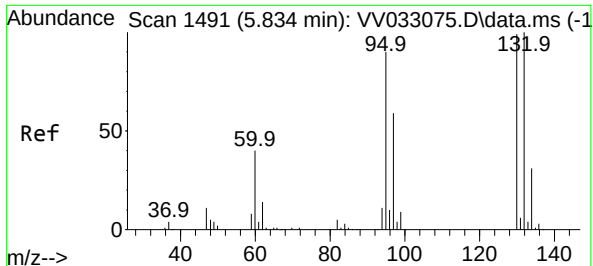
Tgt Ion:117 Resp: 380431
Ion Ratio Lower Upper
117 100
119 96.0 77.5 116.3



#33
Benzene
Concen: 101.864 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. -0.003 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

Tgt Ion: 78 Resp: 844913

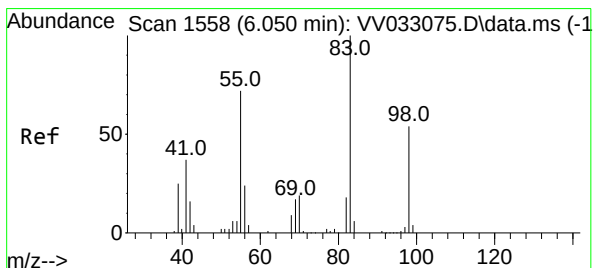
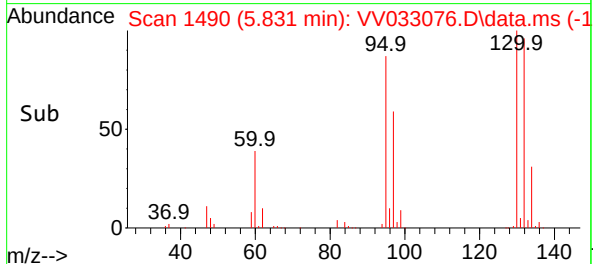
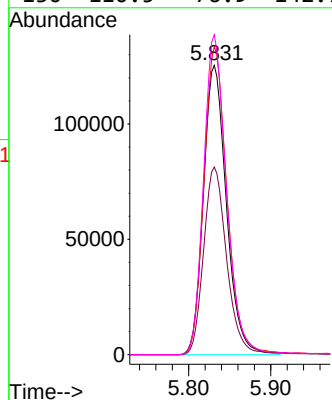
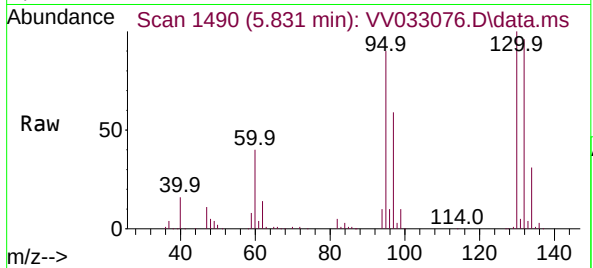




#34
Trichloroethene
Concen: 98.788 ug/L
RT: 5.831 min Scan# 1491
Delta R.T. -0.003 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

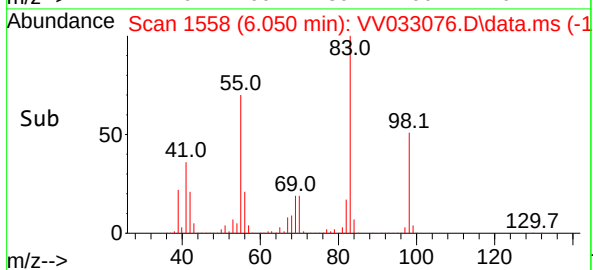
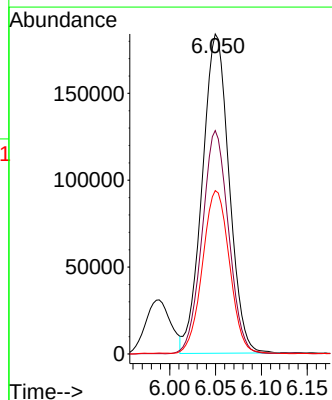
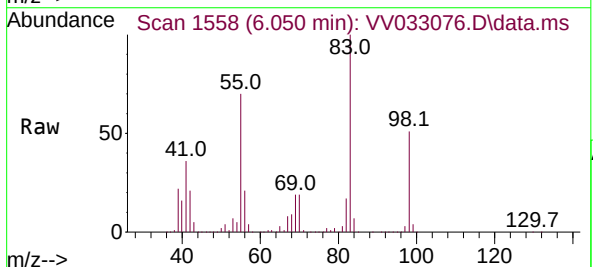
Instrument :
MSVOA_V
ClientSampleId :

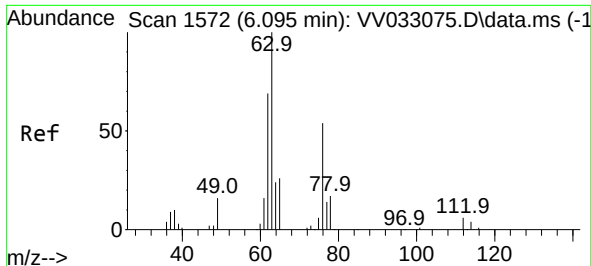
Tgt Ion: 95 Resp: 244798
Ion Ratio Lower Upper
95 100
97 64.8 45.8 85.0
132 106.4 77.4 143.8
130 110.5 76.9 142.7



#35
Methylcyclohexane
Concen: 104.112 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. -0.000 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

Tgt Ion: 83 Resp: 374431
Ion Ratio Lower Upper
83 100
55 68.8 54.8 82.2
98 51.7 41.4 62.0





#37

1,2-Dichloropropane

Concen: 99.703 ug/L

RT: 6.091 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV033076.D

Acq: 01 Dec 2023 13:47

Instrument :

MSVOA_V

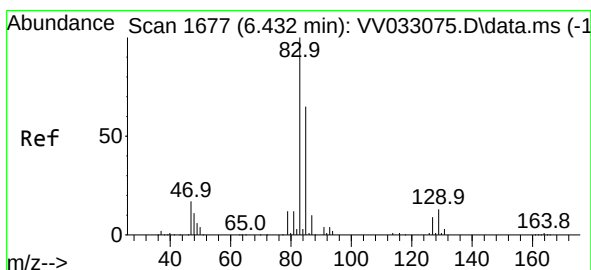
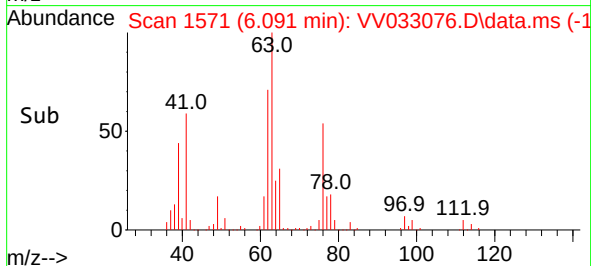
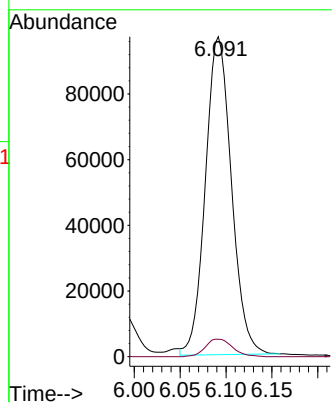
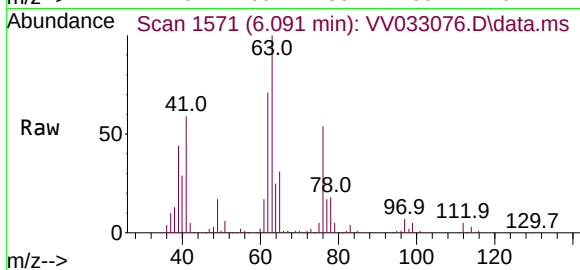
ClientSampleId :

Tgt Ion: 63 Resp: 191391

Ion Ratio Lower Upper

63 100

112 5.8 4.6 6.8



#38

Bromodichloromethane

Concen: 102.413 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.003 min

Lab File: VV033076.D

Acq: 01 Dec 2023 13:47

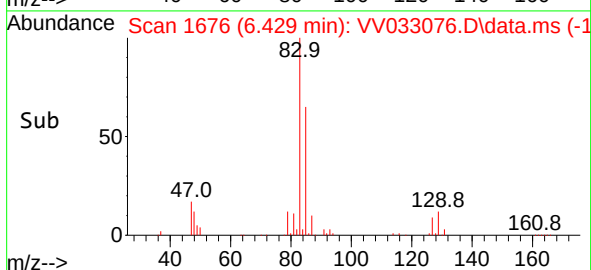
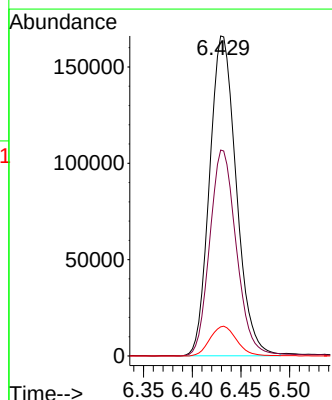
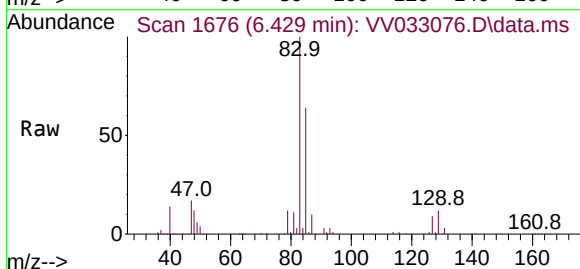
Tgt Ion: 83 Resp: 316939

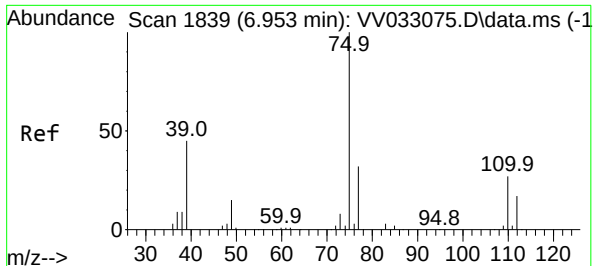
Ion Ratio Lower Upper

83 100

85 64.3 45.6 84.6

127 9.1 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 105.638 ug/L

RT: 6.950 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV033076.D

Acq: 01 Dec 2023 13:47

Instrument :

MSVOA_V

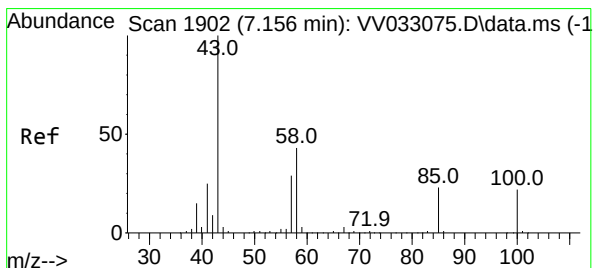
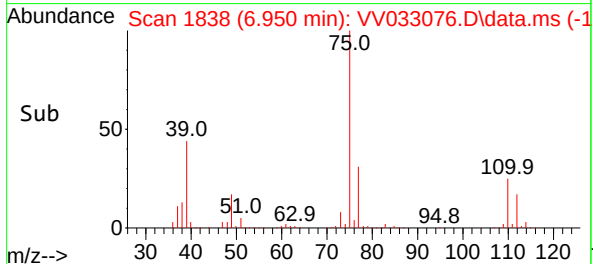
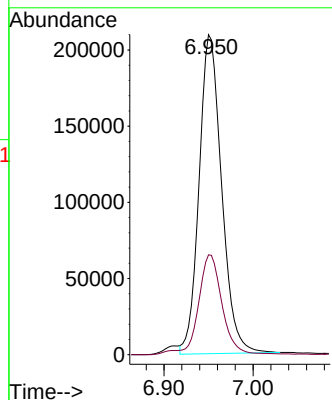
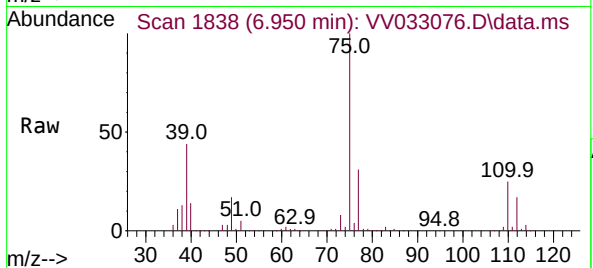
ClientSampleId :

Tgt Ion: 75 Resp: 367964

Ion Ratio Lower Upper

75 100

77 31.2 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 213.737 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. -0.003 min

Lab File: VV033076.D

Acq: 01 Dec 2023 13:47

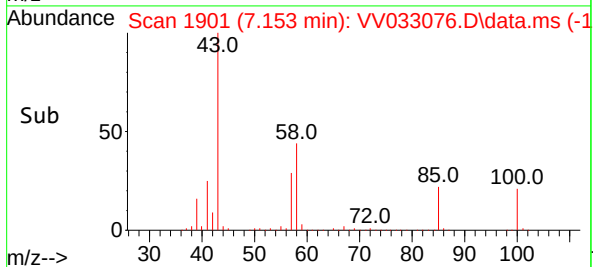
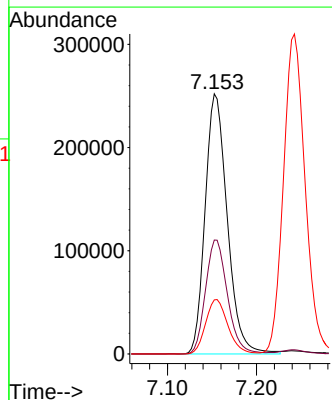
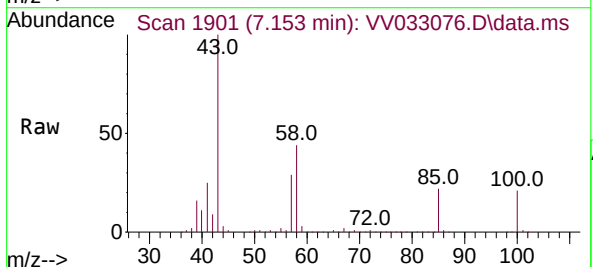
Tgt Ion: 43 Resp: 435633

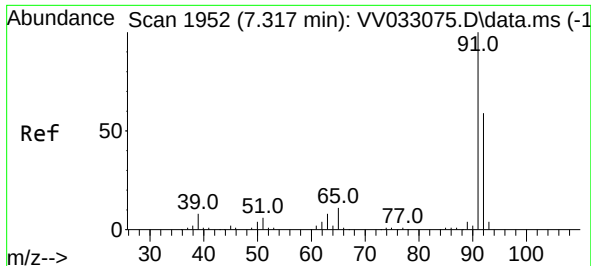
Ion Ratio Lower Upper

43 100

58 43.3 34.5 51.7

100 21.1 17.0 25.6

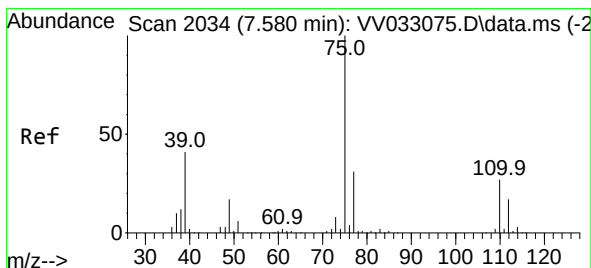
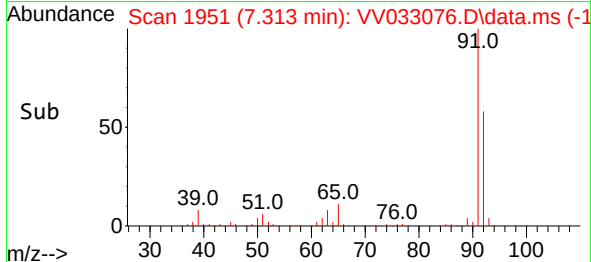
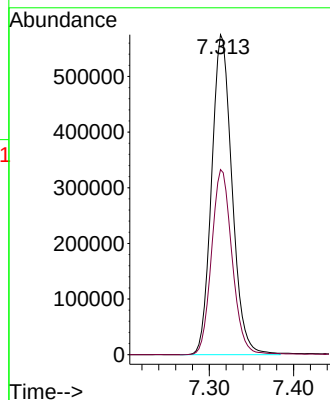
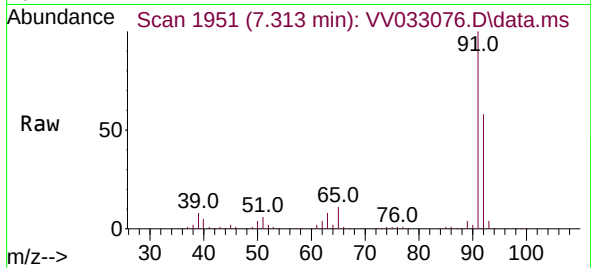




#42
Toluene
Concen: 103.530 ug/L
RT: 7.313 min Scan# 1952
Delta R.T. -0.003 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

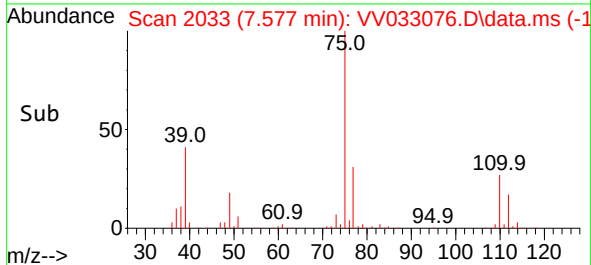
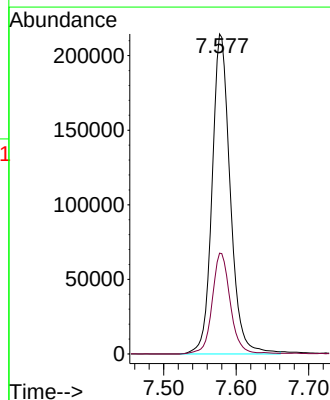
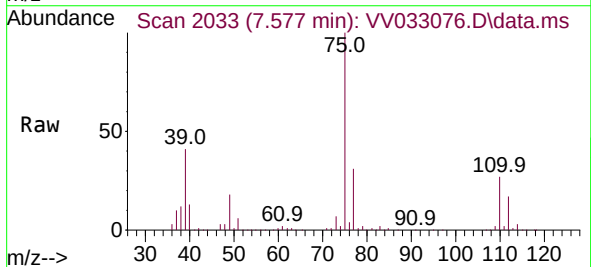
Instrument :
MSVOA_V
ClientSampleId :

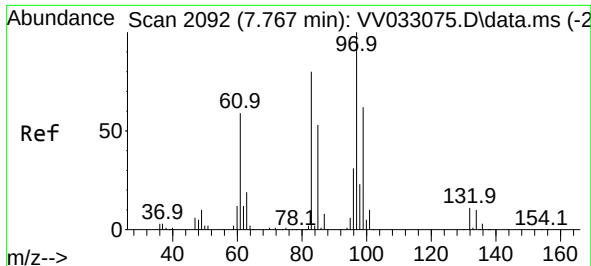
Tgt Ion: 91 Resp: 967668
Ion Ratio Lower Upper
91 100
92 57.9 41.3 76.7



#44
trans-1,3-Dichloropropene
Concen: 106.023 ug/L
RT: 7.577 min Scan# 2033
Delta R.T. -0.003 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

Tgt Ion: 75 Resp: 373437
Ion Ratio Lower Upper
75 100
77 31.5 22.0 41.0



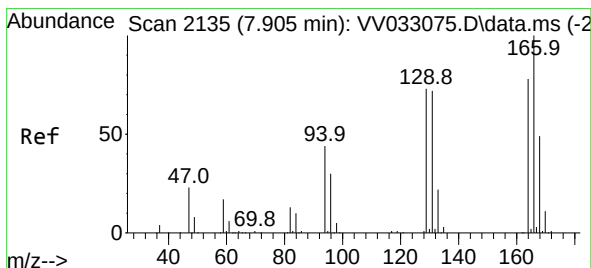
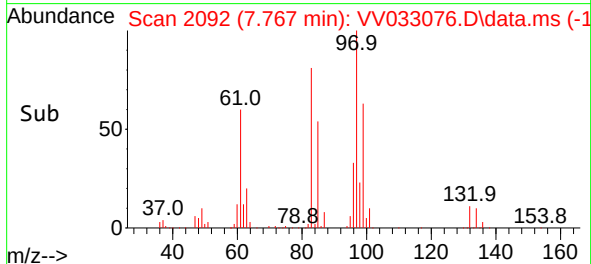
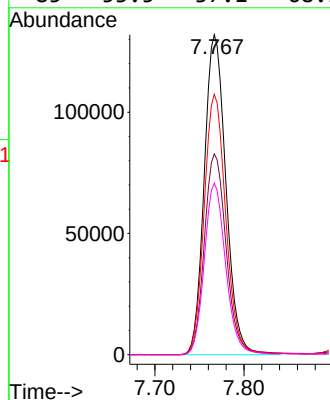
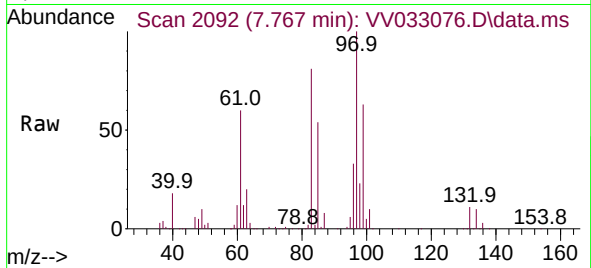


#45
1,1,2-Trichloroethane
Concen: 100.231 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.000 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 223088

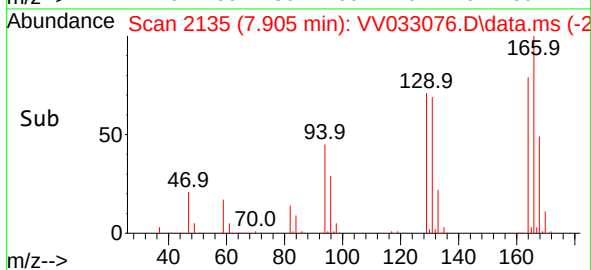
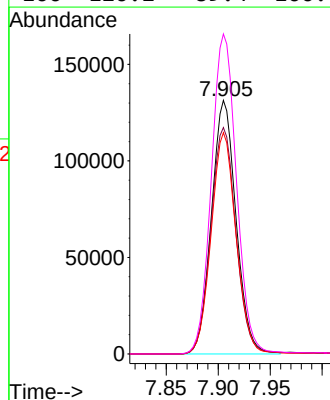
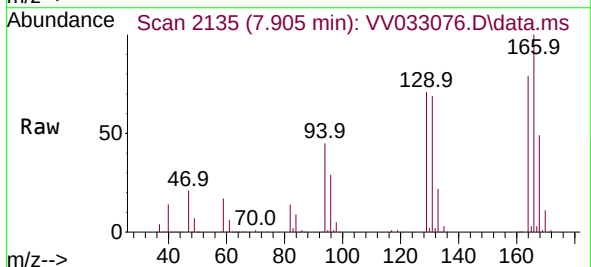
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.2	80.2
83	81.4	55.8	103.6
85	53.5	37.1	68.9

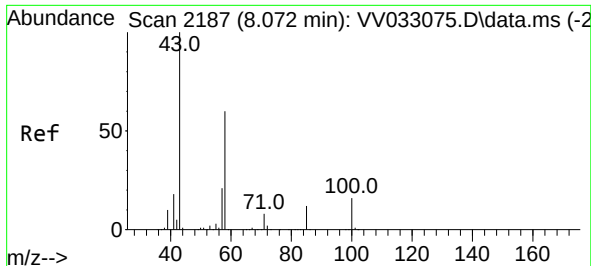


#46
Tetrachloroethene
Concen: 101.448 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

Tgt Ion: 164 Resp: 216102

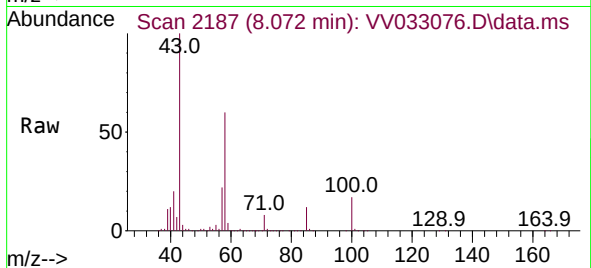
Ion	Ratio	Lower	Upper
164	100		
129	89.3	65.6	121.8
131	87.3	64.7	120.1
166	126.2	89.4	166.0



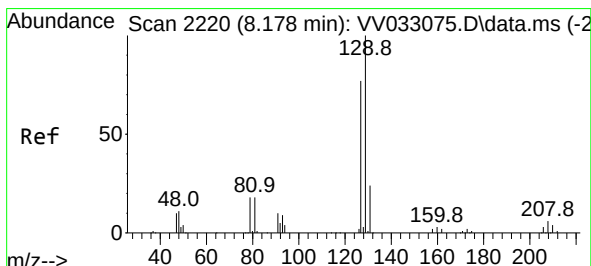
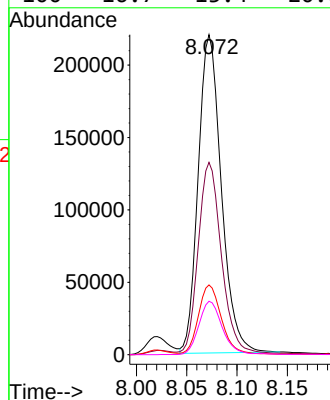
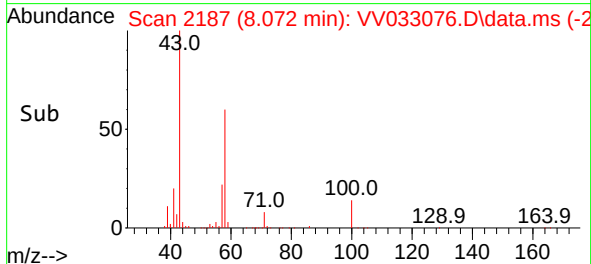


#48
2-Hexanone
Concen: 215.868 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

Instrument :
MSVOA_V
ClientSampleId :

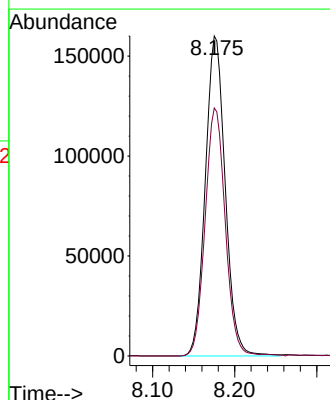
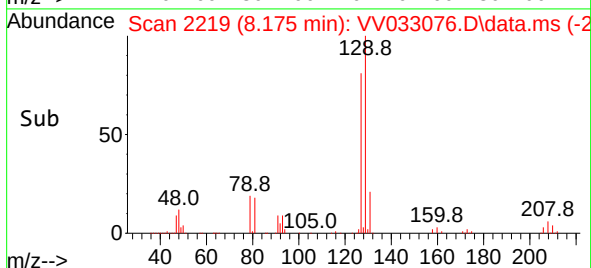
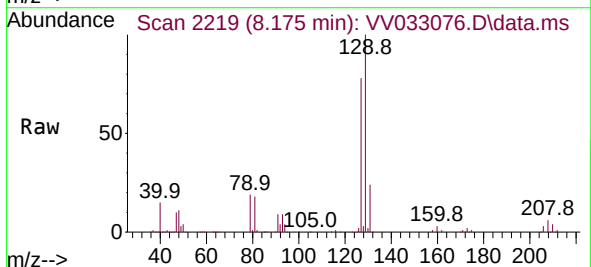


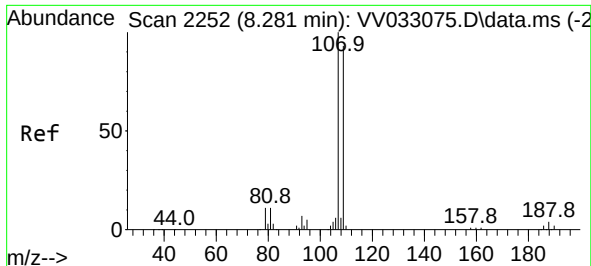
Tgt Ion: 43 Resp: 351995
Ion Ratio Lower Upper
43 100
58 60.5 47.9 71.9
57 21.3 17.4 26.0
100 16.7 13.4 20.0



#49
Dibromochloromethane
Concen: 101.540 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.003 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

Tgt Ion: 129 Resp: 269793
Ion Ratio Lower Upper
129 100
127 77.5 54.1 100.5





#50

1,2-Dibromoethane

Concen: 102.643 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

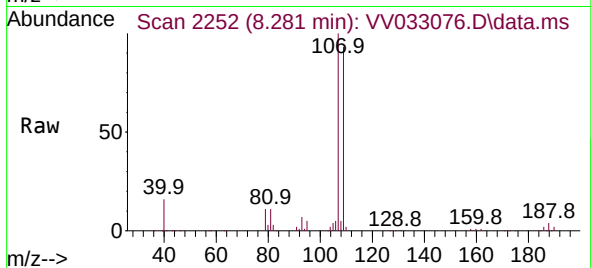
Lab File: VV033076.D

Acq: 01 Dec 2023 13:47

Instrument :

MSVOA_V

ClientSampleId :



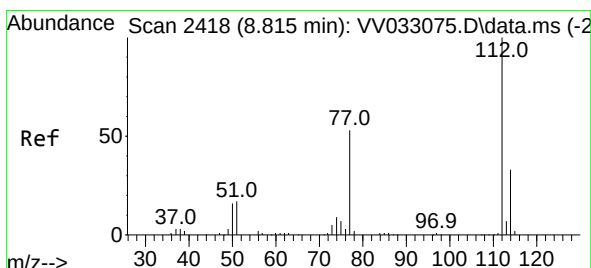
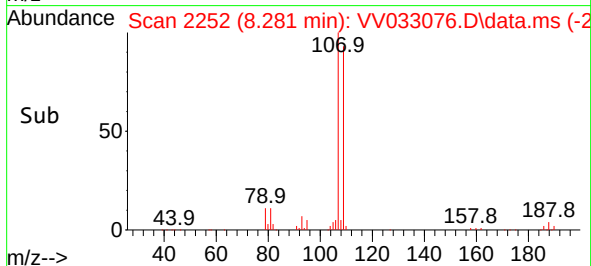
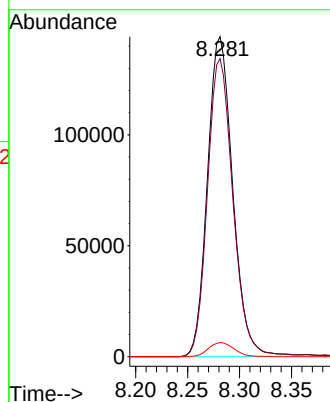
Tgt Ion:107 Resp: 243568

Ion Ratio Lower Upper

107 100

109 93.2 65.2 121.2

188 4.4 3.8 5.6



#51

Chlorobenzene

Concen: 99.873 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. -0.003 min

Lab File: VV033076.D

Acq: 01 Dec 2023 13:47

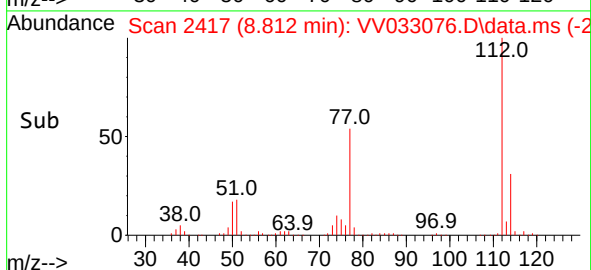
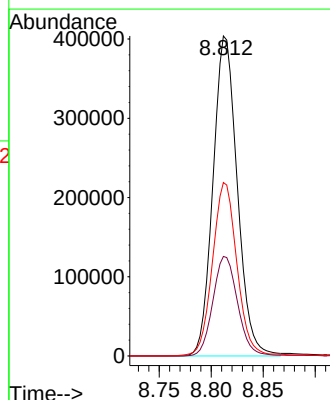
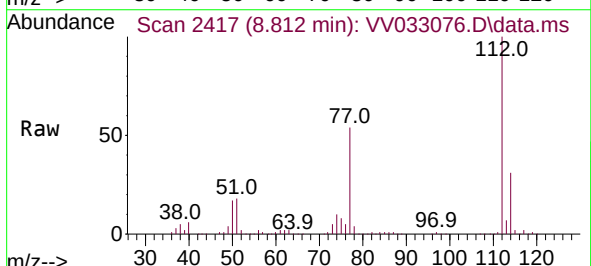
Tgt Ion:112 Resp: 656443

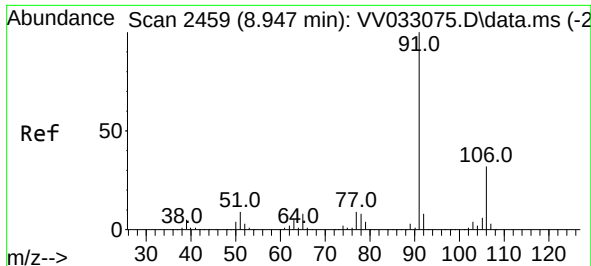
Ion Ratio Lower Upper

112 100

114 31.1 22.9 42.5

77 54.2 42.6 64.0

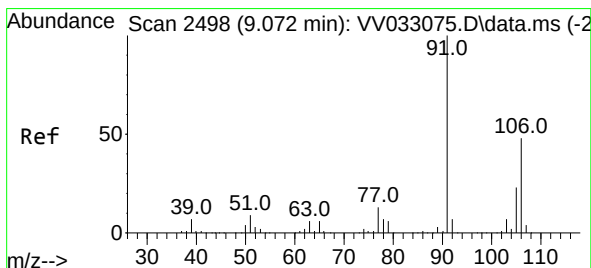
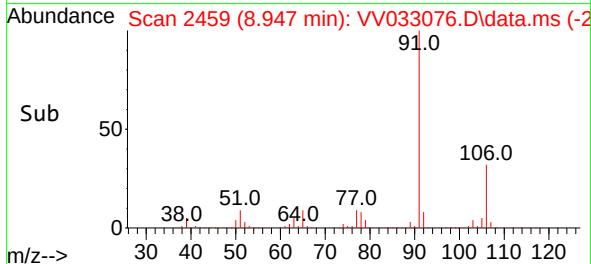
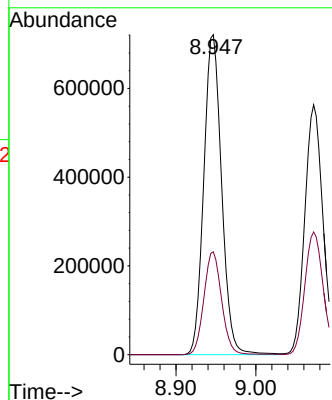
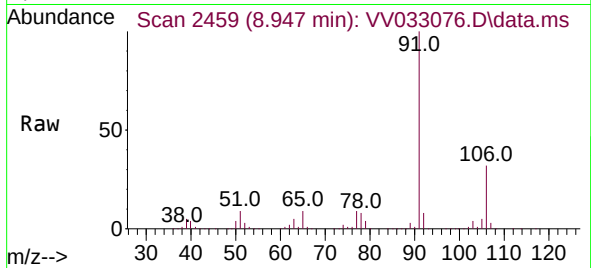




#52
Ethylbenzene
Concen: 104.187 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. -0.000 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

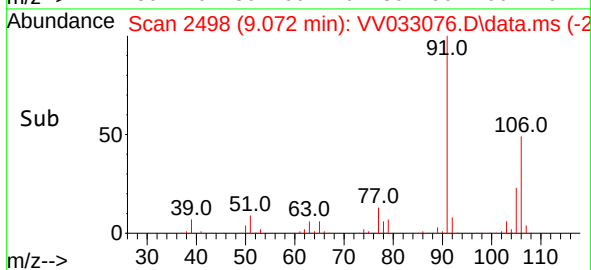
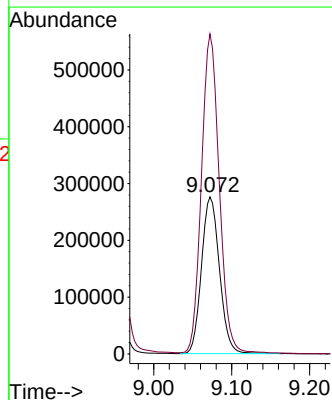
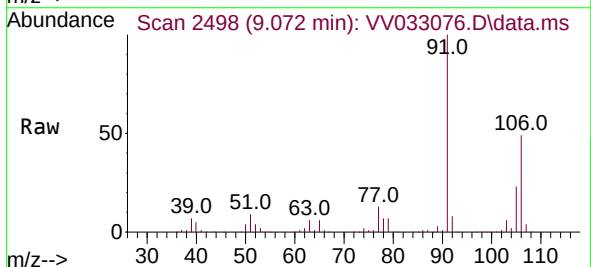
Instrument :
MSVOA_V
ClientSampleId :

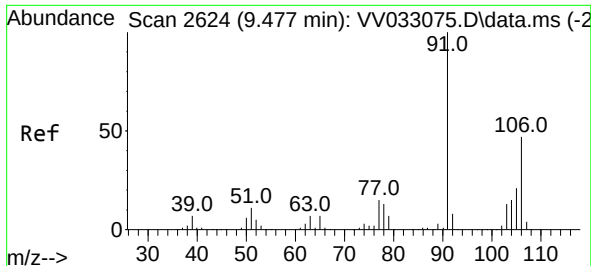
Tgt Ion: 91 Resp: 1120895
Ion Ratio Lower Upper
91 100
106 32.2 22.6 42.0



#53
m,p-Xylene
Concen: 103.926 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

Tgt Ion: 106 Resp: 442779
Ion Ratio Lower Upper
106 100
91 203.7 145.2 269.6

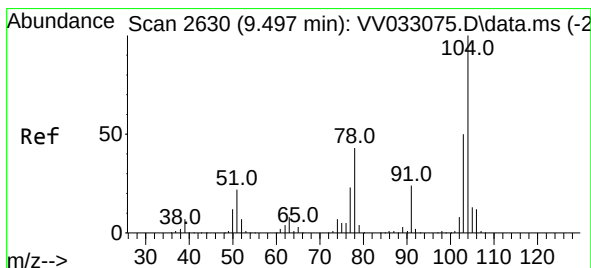
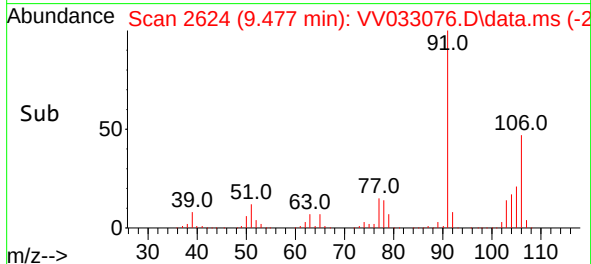
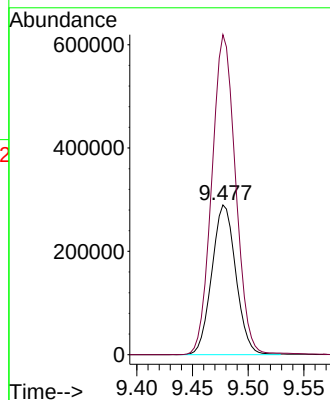
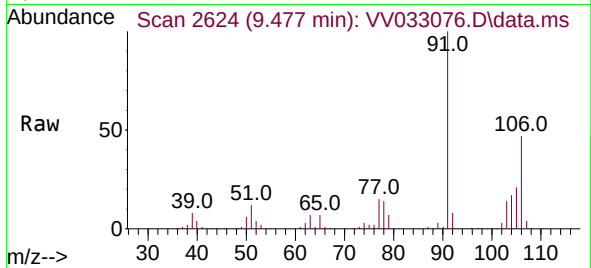




#54
o-Xylene
Concen: 103.435 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

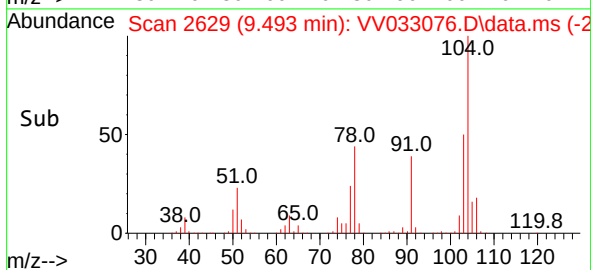
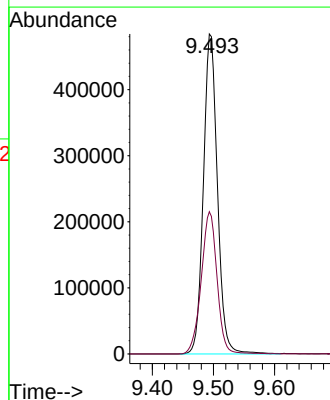
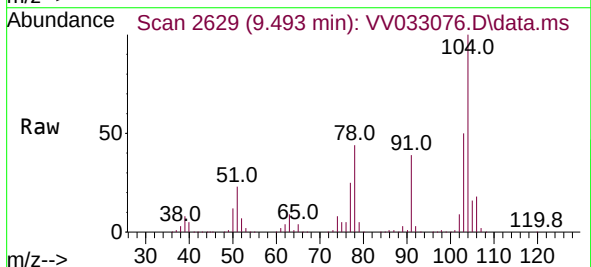
Instrument :
MSVOA_V
ClientSampleId :

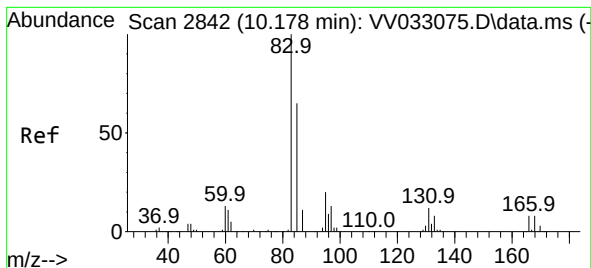
Tgt Ion:106 Resp: 434861
Ion Ratio Lower Upper
106 100
91 213.7 147.8 274.6



#55
Styrene
Concen: 106.246 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.003 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

Tgt Ion:104 Resp: 772719
Ion Ratio Lower Upper
104 100
78 44.4 30.2 56.0





#57

1,1,2,2-Tetrachloroethane

Concen: 102.600 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. -0.000 min

Lab File: VV033076.D

Acq: 01 Dec 2023 13:47

Instrument :

MSVOA_V

ClientSampleId :

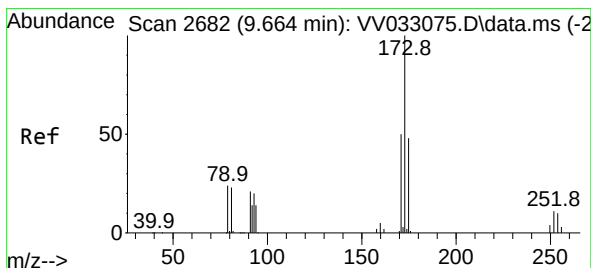
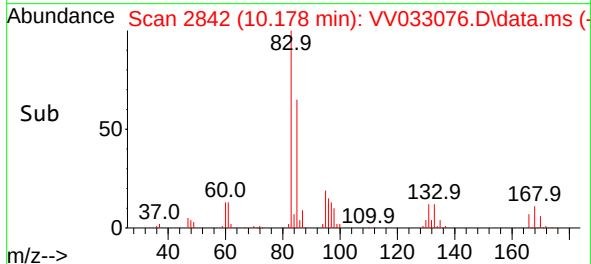
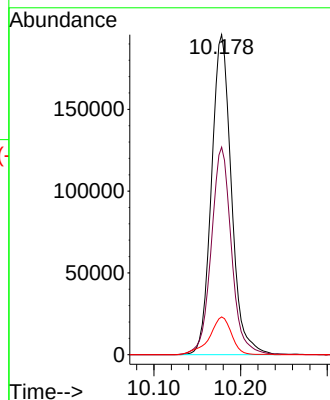
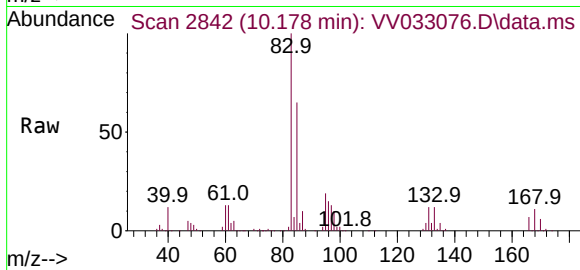
Tgt Ion: 83 Resp: 312003

Ion Ratio Lower Upper

83 100

85 64.9 45.5 84.5

131 11.8 9.7 14.5



#59

Bromoform

Concen: 100.804 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. -0.000 min

Lab File: VV033076.D

Acq: 01 Dec 2023 13:47

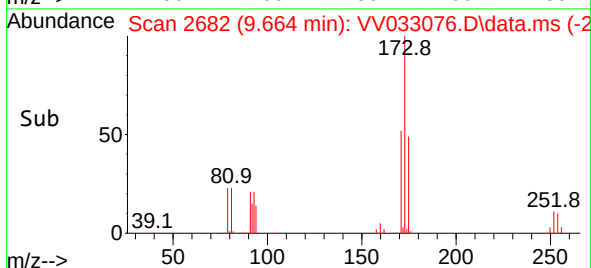
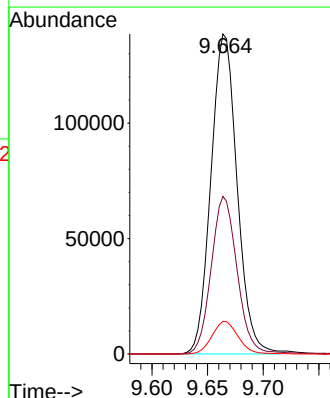
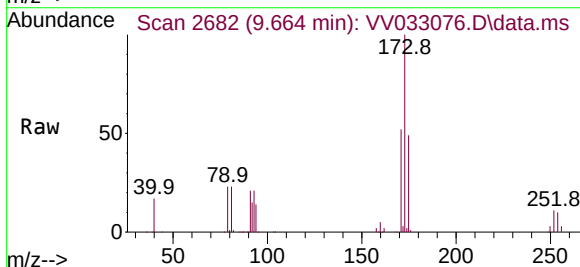
Tgt Ion: 173 Resp: 226566

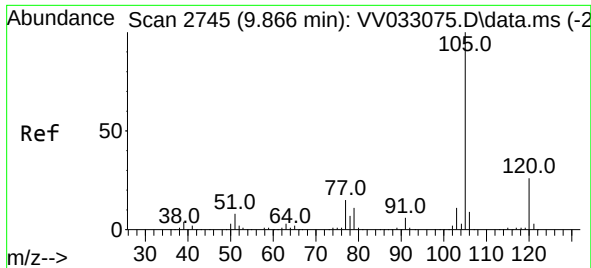
Ion Ratio Lower Upper

173 100

175 48.8 38.7 58.1

254 10.2 8.0 12.0

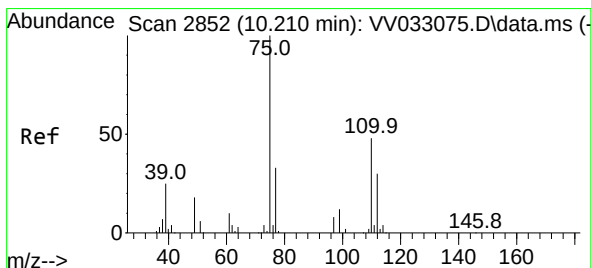
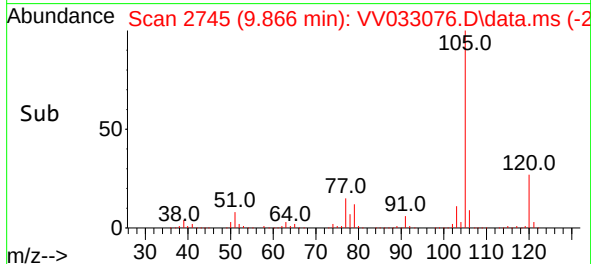
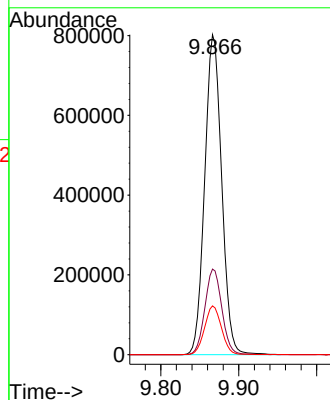
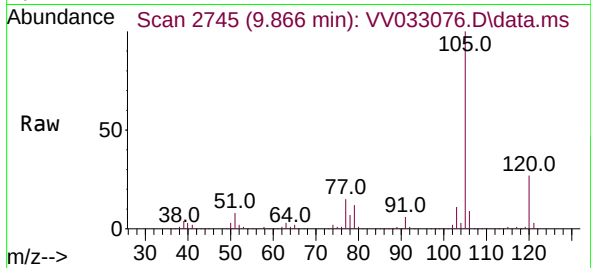




#60
Isopropylbenzene
Concen: 101.793 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

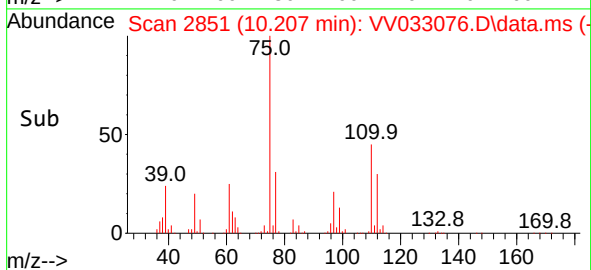
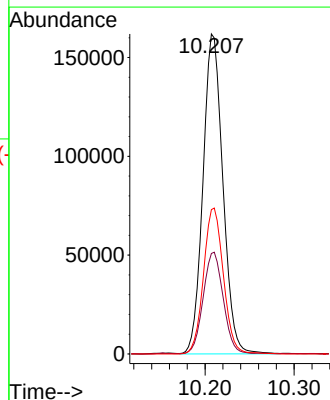
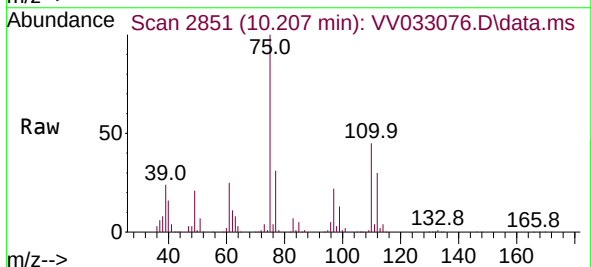
Instrument :
MSVOA_V
ClientSampleId :

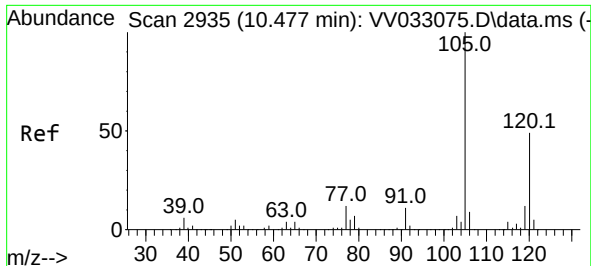
Tgt Ion:105 Resp: 1215466
Ion Ratio Lower Upper
105 100
120 26.7 21.3 31.9
77 15.1 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 97.346 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.003 min
Lab File: VV033076.D
Acq: 01 Dec 2023 13:47

Tgt Ion: 75 Resp: 251372
Ion Ratio Lower Upper
75 100
77 32.1 27.0 40.6
110 45.5 38.1 57.1





#62

1,3,5-Trimethylbenzene

Concen: 104.496 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VV033076.D

Acq: 01 Dec 2023 13:47

Instrument :

MSVOA_V

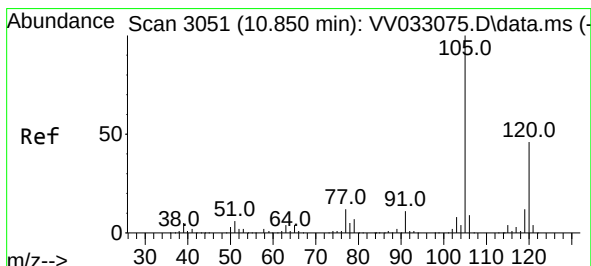
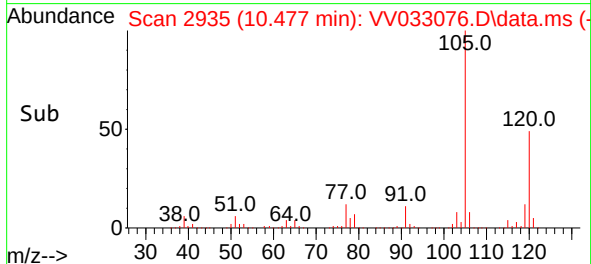
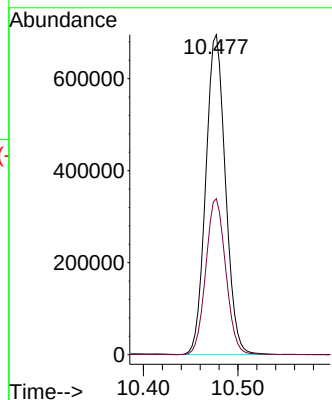
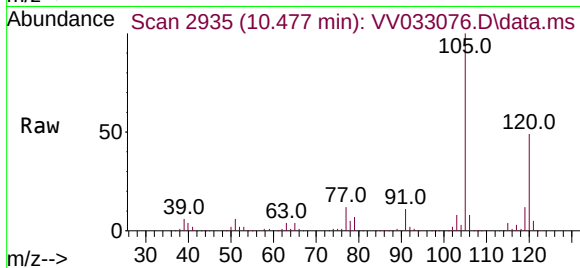
ClientSampleId :

Tgt Ion:105 Resp: 1005290

Ion Ratio Lower Upper

105 100

120 49.6 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 105.645 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV033076.D

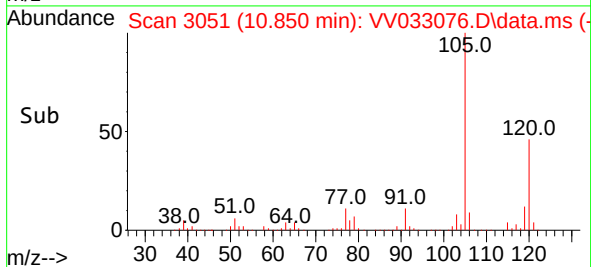
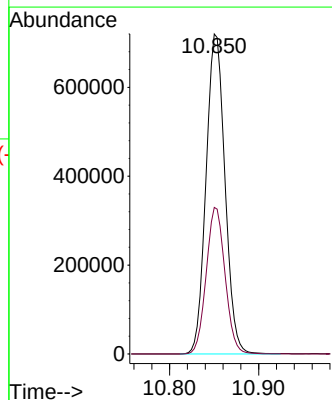
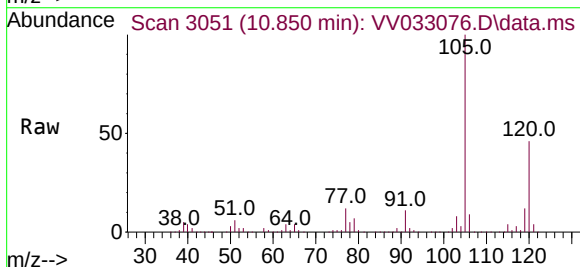
Acq: 01 Dec 2023 13:47

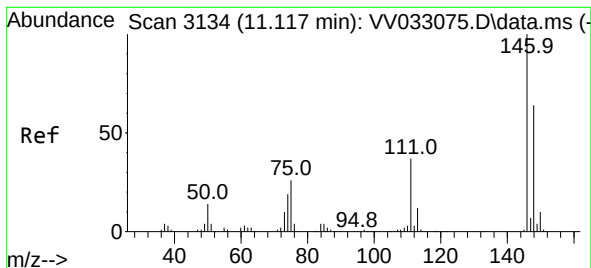
Tgt Ion:105 Resp: 1058466

Ion Ratio Lower Upper

105 100

120 45.6 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 99.712 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. -0.000 min

Lab File: VV033076.D

Acq: 01 Dec 2023 13:47

Instrument :

MSVOA_V

ClientSampleId :

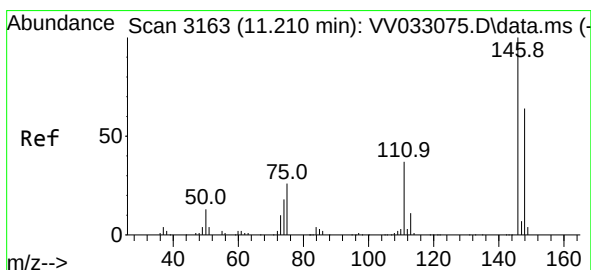
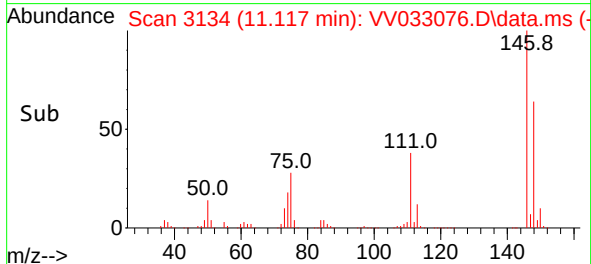
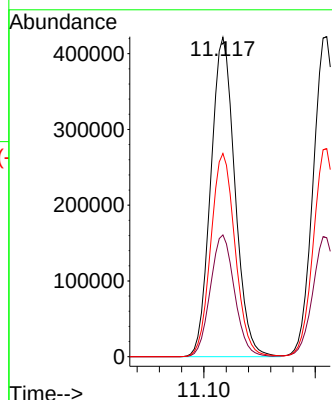
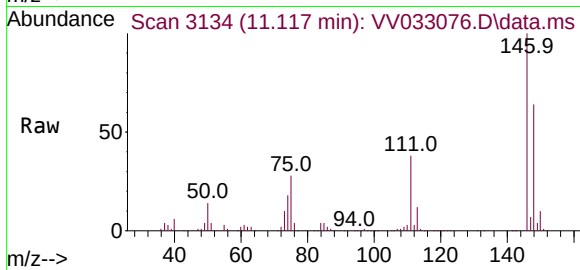
Tgt Ion:146 Resp: 636084

Ion Ratio Lower Upper

146 100

111 38.1 26.2 48.6

148 63.6 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 97.672 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VV033076.D

Acq: 01 Dec 2023 13:47

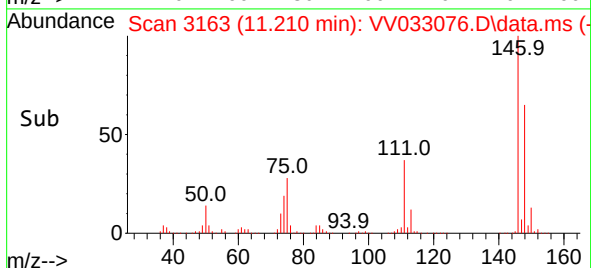
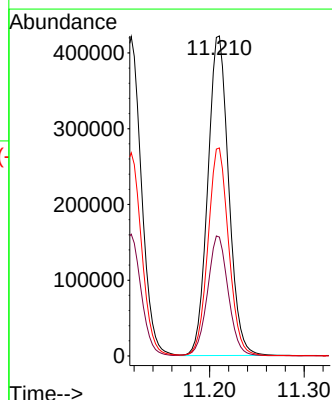
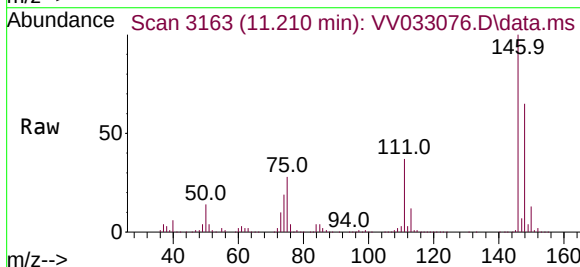
Tgt Ion:146 Resp: 647227

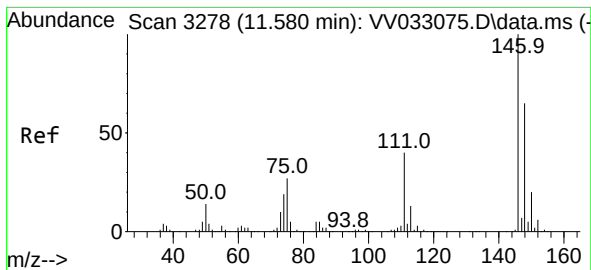
Ion Ratio Lower Upper

146 100

111 37.2 25.9 48.1

148 65.0 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 99.974 ug/L

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033076.D

Acq: 01 Dec 2023 13:47

Instrument :

MSVOA_V

ClientSampleId :

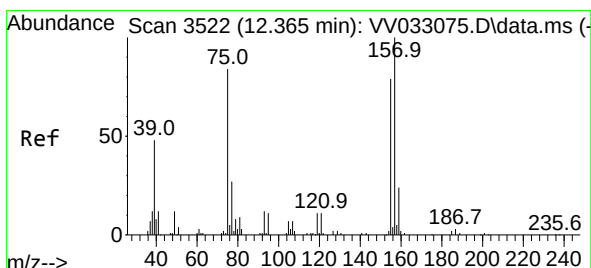
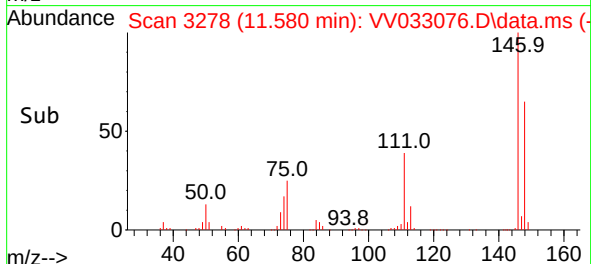
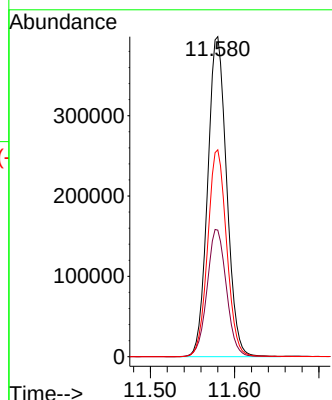
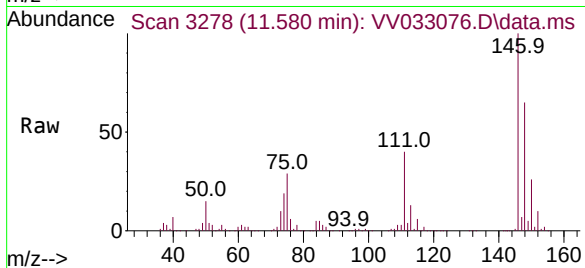
Tgt Ion:146 Resp: 625228

Ion Ratio Lower Upper

146 100

111 39.6 32.4 48.6

148 64.6 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 102.698 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.000 min

Lab File: VV033076.D

Acq: 01 Dec 2023 13:47

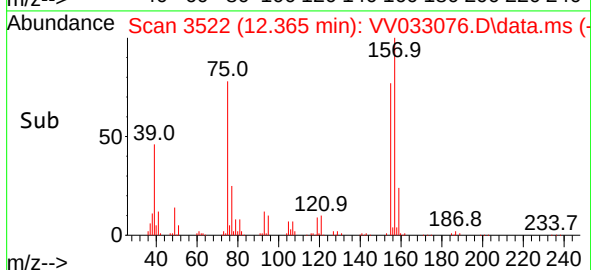
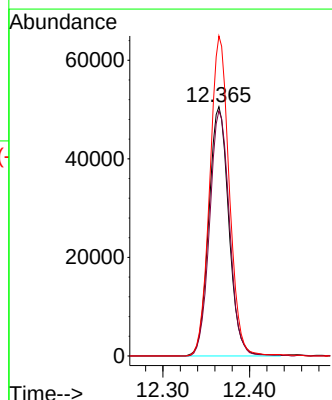
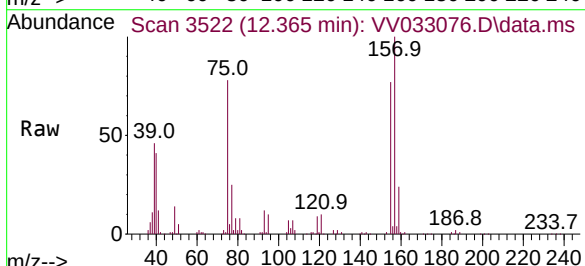
Tgt Ion: 75 Resp: 81372

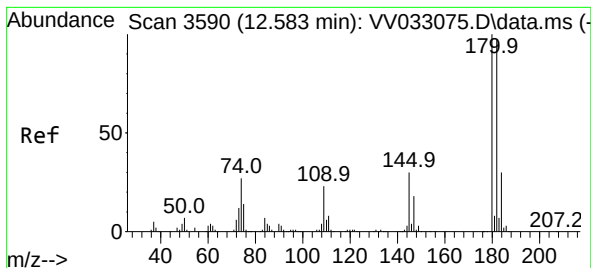
Ion Ratio Lower Upper

75 100

155 98.3 75.8 113.6

157 128.3 95.4 143.0





#69

1,3,5-Trichlorobenzene

Concen: 101.850 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. -0.000 min

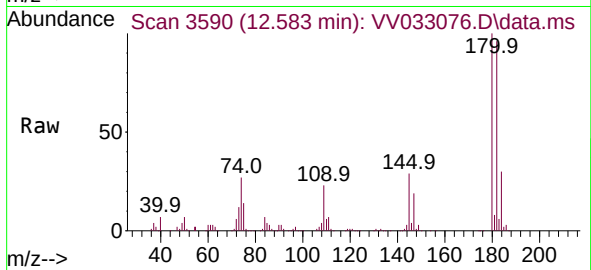
Lab File: VV033076.D

Acq: 01 Dec 2023 13:47

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 520432

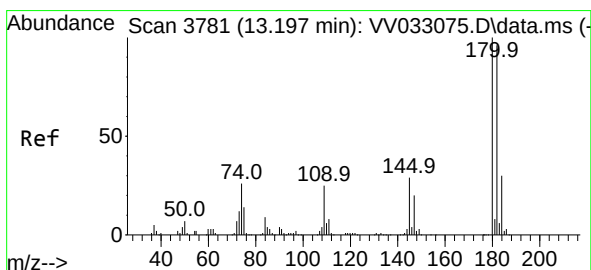
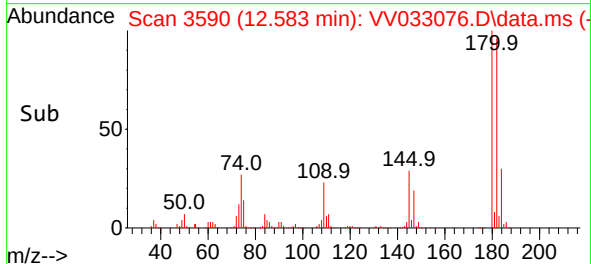
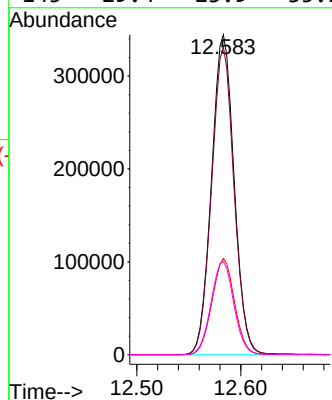
Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.4

184 30.0 24.2 36.4

145 29.4 23.9 35.9



#70

1,2,4-trichlorobenzene

Concen: 103.849 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV033076.D

Acq: 01 Dec 2023 13:47

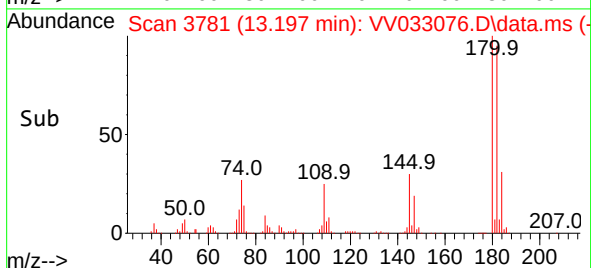
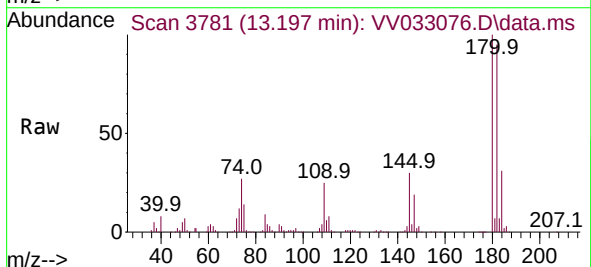
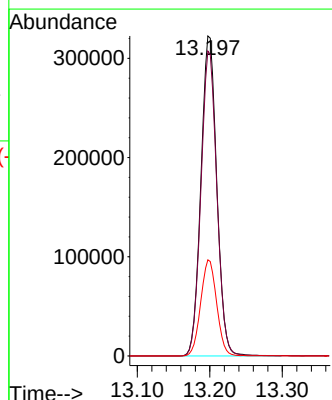
Tgt Ion:180 Resp: 490254

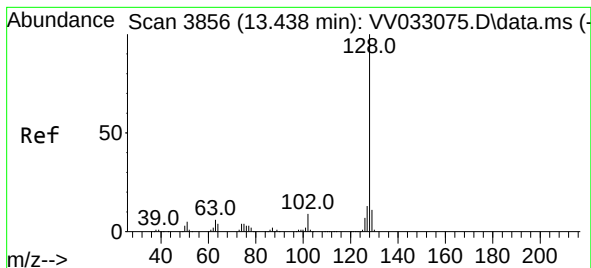
Ion Ratio Lower Upper

180 100

182 95.6 76.3 114.5

145 30.2 23.4 35.0





#71

Naphthalene

Concen: 106.700 ug/L

RT: 13.438 min Scan# 3856

Delta R.T. -0.000 min

Lab File: VV033076.D

Acq: 01 Dec 2023 13:47

Instrument :

MSVOA_V

ClientSampleId :

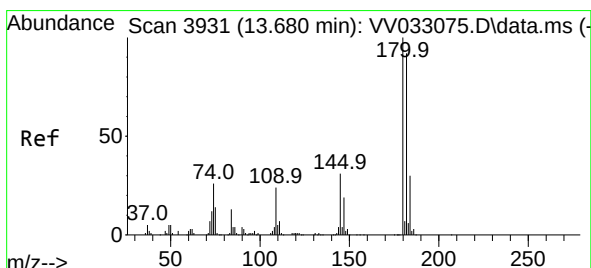
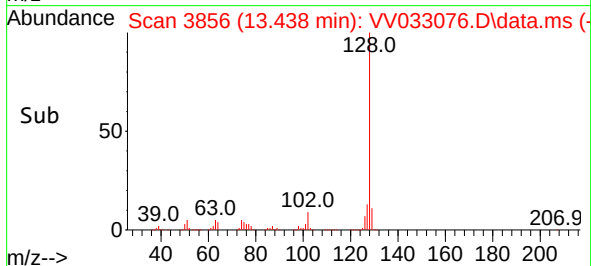
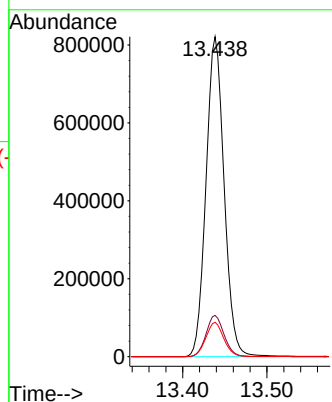
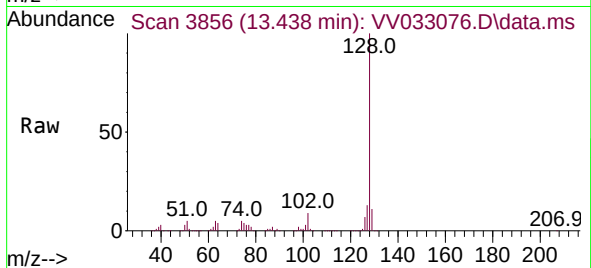
Tgt Ion:128 Resp: 1228433

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 103.839 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV033076.D

Acq: 01 Dec 2023 13:47

Tgt Ion:180 Resp: 473014

Ion Ratio Lower Upper

180 100

182 95.2 75.2 112.8

145 32.0 24.9 37.3

