

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VW033376.D
 Acq On : 15 Dec 2023 14:14
 Operator : SY/MD
 Sample : VSTD050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 15 23:00:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 15 22:58:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	230171	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	236507	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	129788	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	92330	62.901	ug/L	0.00
7) Chloroethane-d5	1.529	69	82037	74.736	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	43837	73.799	ug/L	0.00
21) 2-Butanone-d5	3.780	46	94528	129.061	ug/L	0.00
24) Chloroform-d	4.249	84	183449	60.046	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.941	65	113944	60.155	ug/L	0.00
32) Benzene-d6	4.960	84	338196	59.020	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	101266	63.923	ug/L	0.00
41) Toluene-d8	7.243	98	324743	59.483	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.551	79	50710	53.680	ug/L	0.00
47) 2-Hexanone-d5	8.024	63	70339	114.732	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	144978	64.146	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	125835	53.702	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	96443	40.076	ug/L	100
3) Chloromethane	1.214	50	85346	50.865	ug/L	100
5) Vinyl chloride	1.285	62	91649	55.358	ug/L	100
6) Bromomethane	1.484	94	61907	57.115	ug/L	100
8) Chloroethane	1.548	64	64336	68.229	ug/L	100
9) Trichlorofluoromethane	1.712	101	162600	59.206	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	94161	69.106	ug/L	100
12) 1,1-Dichloroethene	2.069	96	81275	65.176	ug/L	100
13) Acetone	2.108	43	112673	150.298	ug/L	100
14) Carbon disulfide	2.240	76	204749	49.513	ug/L	100
15) Methyl Acetate	2.368	43	76866	65.430	ug/L	100
16) Methylene chloride	2.445	84	87971	55.690	ug/L	100
17) trans-1,2-Dichloroethene	2.693	96	78447	51.476	ug/L	100
18) Methyl tert-butyl Ether	2.703	73	240228	51.895	ug/L	100
19) 1,1-Dichloroethane	3.111	63	150899	57.688	ug/L	100
20) cis-1,2-Dichloroethene	3.812	96	88062	54.112	ug/L	100
22) 2-Butanone	3.860	43	105895	121.156	ug/L	100
23) Bromochloromethane	4.146	128	47599	51.067	ug/L	100
25) Chloroform	4.275	83	166883	56.297	ug/L	100
27) 1,2-Dichloroethane	5.040	62	132102	56.300	ug/L	100
29) Cyclohexane	4.584	56	110167	50.516	ug/L	100
30) 1,1,1-Trichloroethane	4.513	97	147581	50.538	ug/L	100
31) Carbon tetrachloride	4.735	117	132906	49.233	ug/L	100
33) Benzene	5.008	78	329117	54.152	ug/L	100
34) Trichloroethene	5.834	95	87038	48.880	ug/L	100
35) Methylcyclohexane	6.050	83	127825	49.686	ug/L	100
37) 1,2-Dichloropropane	6.092	63	88023	60.610	ug/L	100
38) Bromodichloromethane	6.432	83	123480	54.119	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	132712	52.284	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	203444	129.561	ug/L	100
42) Toluene	7.313	91	362953	53.256	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	127828	50.627	ug/L	100

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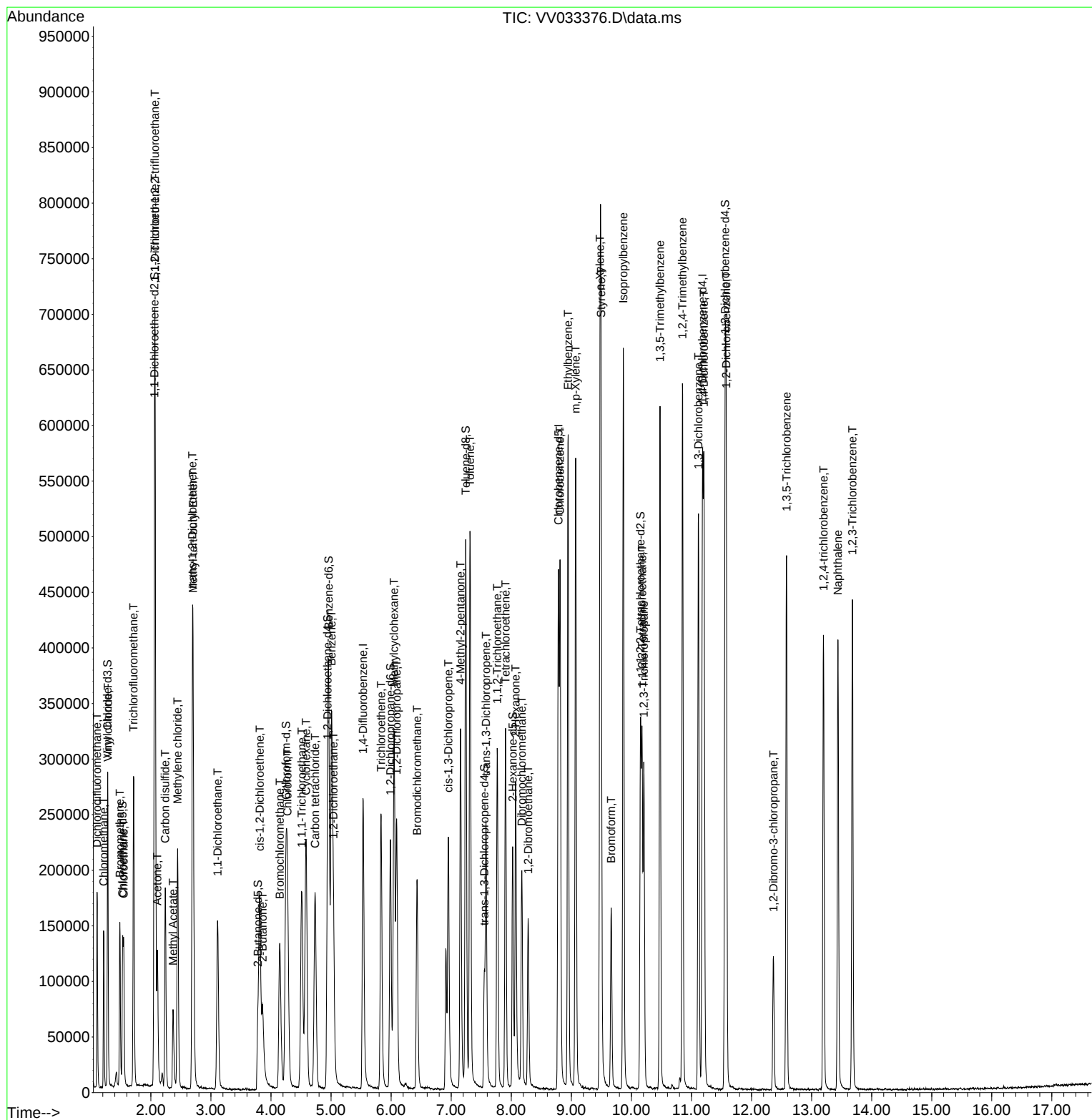
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.767	97	91979	55.583	ug/L	100
46) Tetrachloroethene	7.905	164	68385	45.484	ug/L	100
48) 2-Hexanone	8.072	43	163303	126.337	ug/L	100
49) Dibromochloromethane	8.175	129	96693	50.410	ug/L	100
50) 1,2-Dibromoethane	8.281	107	96148	54.915	ug/L	100
51) Chlorobenzene	8.812	112	243475	51.103	ug/L	100
52) Ethylbenzene	8.947	91	393708	50.763	ug/L	100
53) m,p-Xylene	9.072	106	152626	49.941	ug/L	100
54) o-Xylene	9.477	106	144115	48.112	ug/L	100
55) Styrene	9.497	104	268648	51.366	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	142197	60.942	ug/L	100
59) Bromoform	9.664	173	67340	48.344	ug/L	100
60) Isopropylbenzene	9.866	105	400092	53.177	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	108096	62.288	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	303599	50.738	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	320835	51.336	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	196594	49.364	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	205750	49.507	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	201105	51.002	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.365	75	28464	55.357	ug/L	100
69) 1,3,5-Trichlorobenzene	12.583	180	131683	42.477	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	113396	40.209	ug/L	100
71) Naphthalene	13.439	128	308310	44.159	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	120651	43.895	ug/L	100

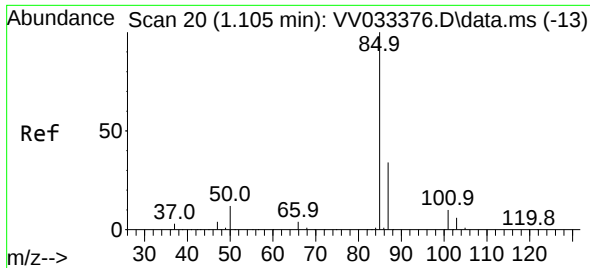
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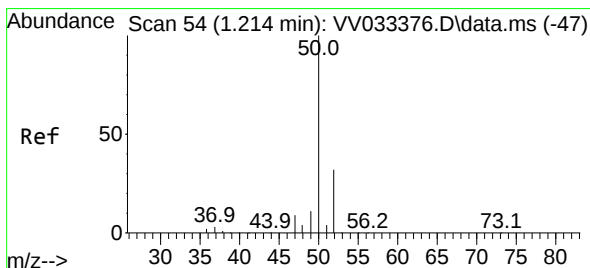
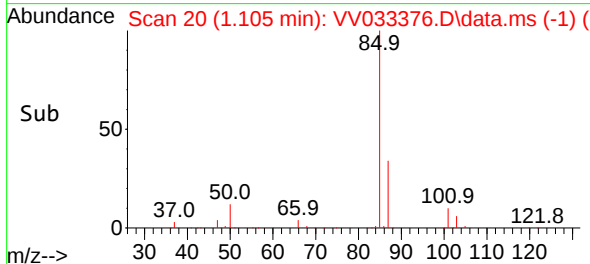
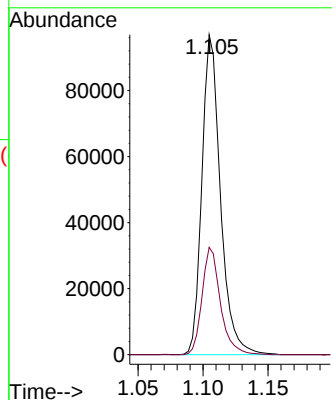
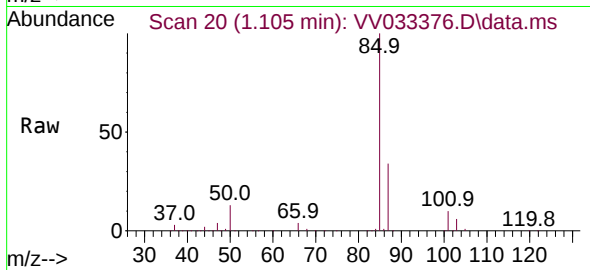




#2
 Dichlorodifluoromethane
 Concen: 40.076 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV033376.D
 Acq: 15 Dec 2023 14:14

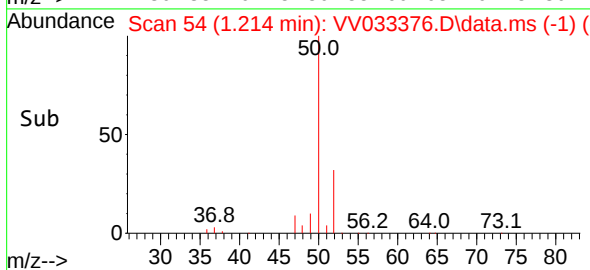
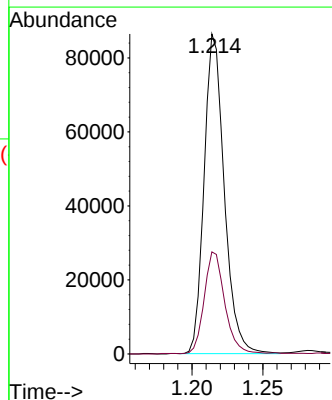
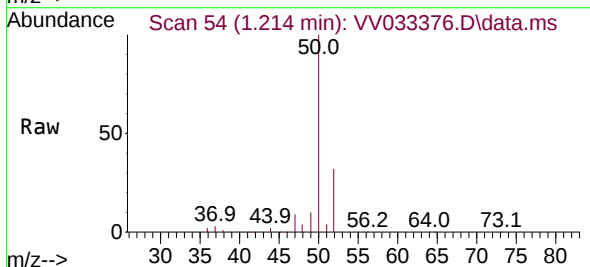
Instrument :
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 ClientSampleId :

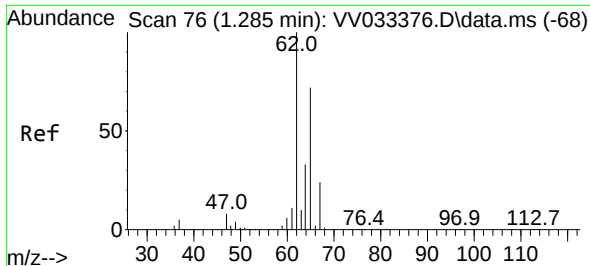
Tgt Ion: 85 Resp: 96443
 Ion Ratio Lower Upper
 85 100
 87 33.2 26.6 39.8



#3
 Chloromethane
 Concen: 50.865 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV033376.D
 Acq: 15 Dec 2023 14:14

Tgt Ion: 50 Resp: 85346
 Ion Ratio Lower Upper
 50 100
 52 31.9 22.3 41.5

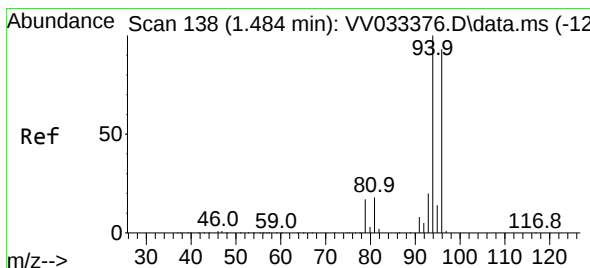
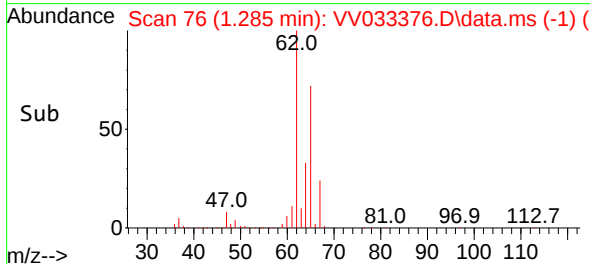
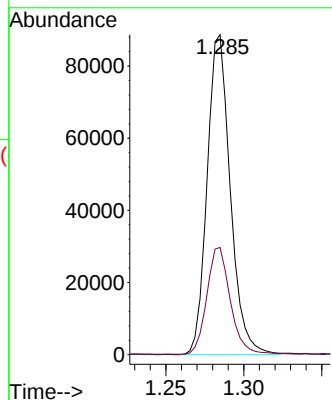
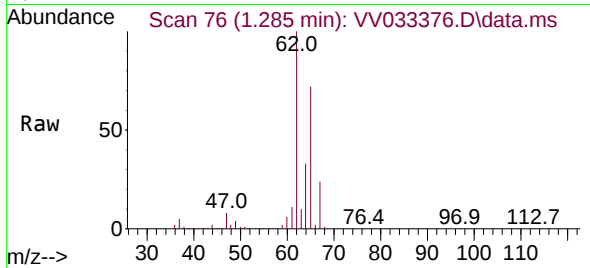




#5
 Vinyl chloride
 Concen: 55.358 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV033376.D
 Acq: 15 Dec 2023 14:14

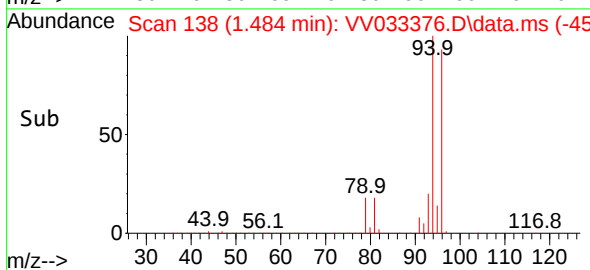
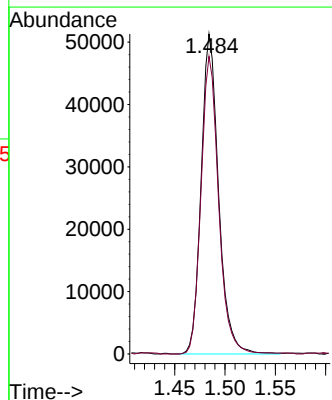
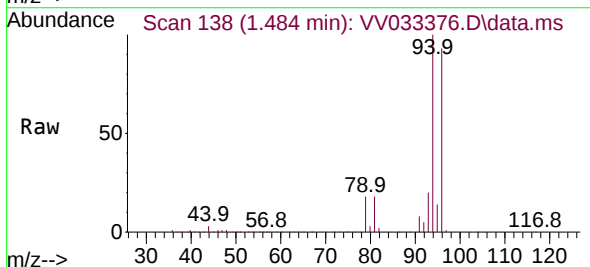
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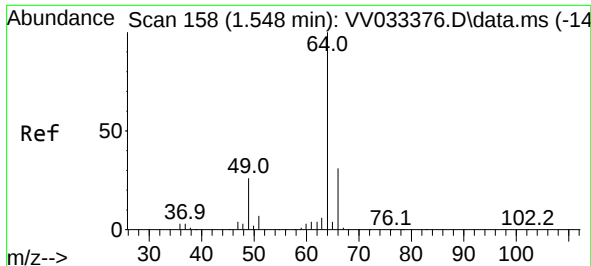
Tgt Ion: 62 Resp: 91649
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.4 43.6



#6
 Bromomethane
 Concen: 57.115 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV033376.D
 Acq: 15 Dec 2023 14:14

Tgt Ion: 94 Resp: 61907
 Ion Ratio Lower Upper
 94 100
 96 93.0 65.1 120.9





#8

Chloroethane

Concen: 68.229 ug/L

RT: 1.548 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV033376.D

Acq: 15 Dec 2023 14:14

Instrument :

MSVOA_V

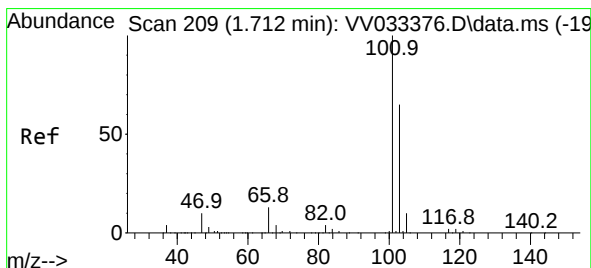
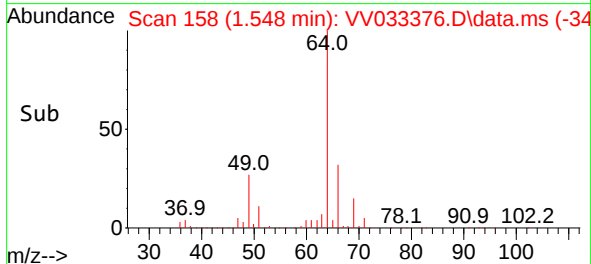
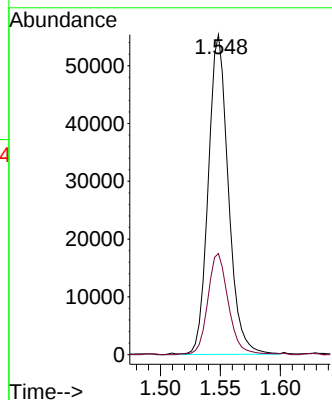
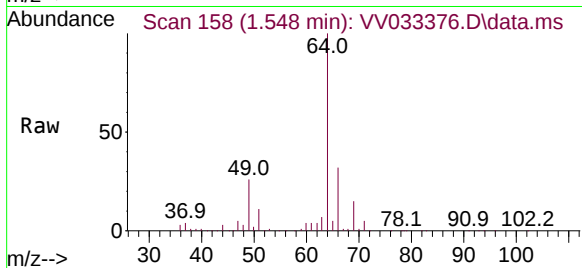
ClientSampleId :

Tgt Ion: 64 Resp: 64336

Ion Ratio Lower Upper

64 100

66 31.6 22.1 41.1



#9

Trichlorofluoromethane

Concen: 59.206 ug/L

RT: 1.712 min Scan# 209

Delta R.T. 0.000 min

Lab File: VV033376.D

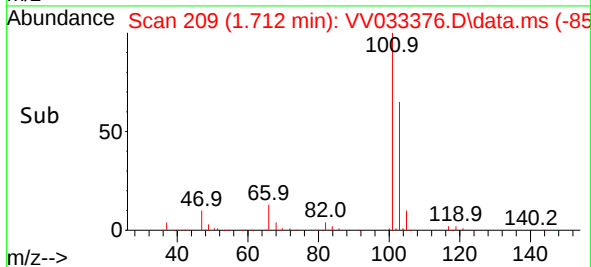
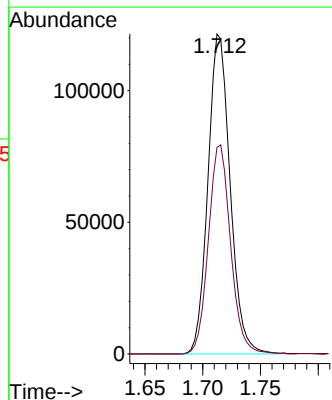
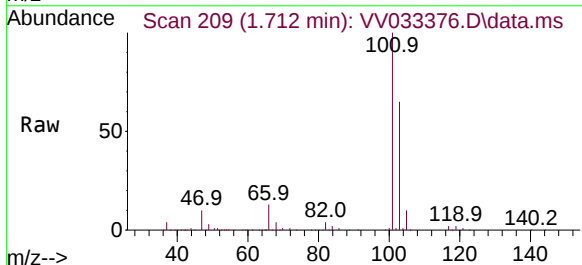
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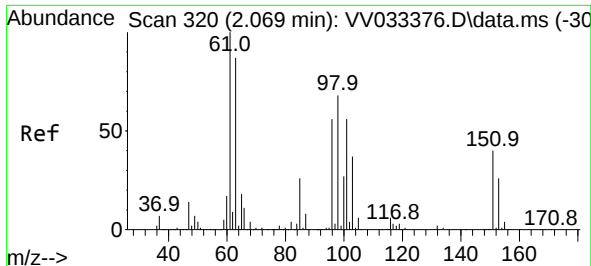
Tgt Ion:101 Resp: 162600

Ion Ratio Lower Upper

101 100

103 65.3 52.2 78.4

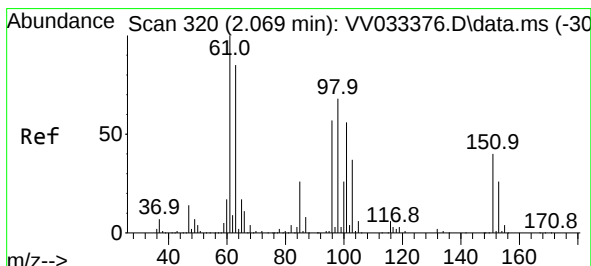
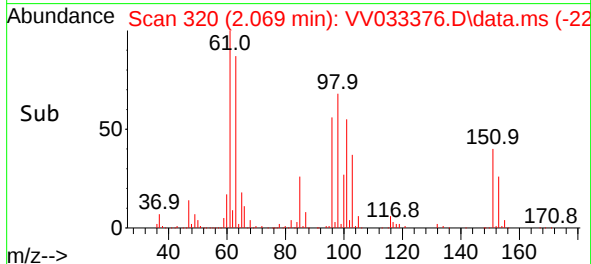
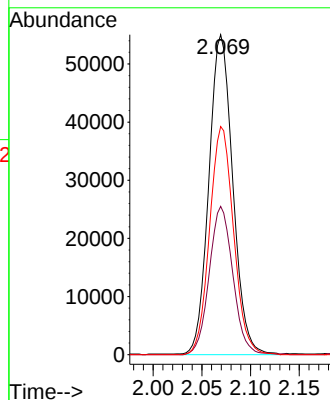
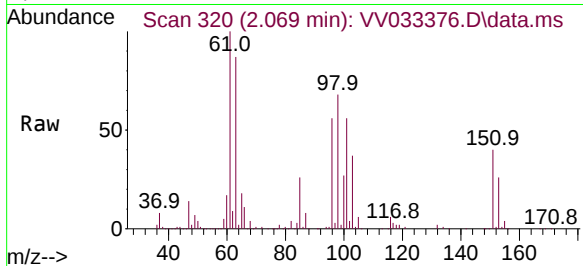




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 69.106 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV033376.D
 Acq: 15 Dec 2023 14:14

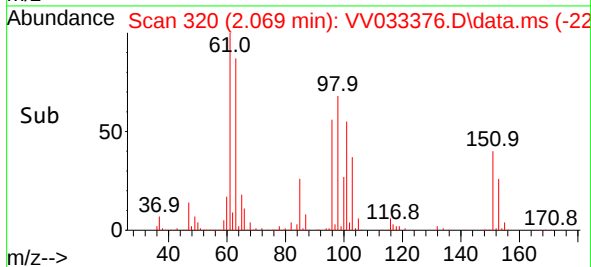
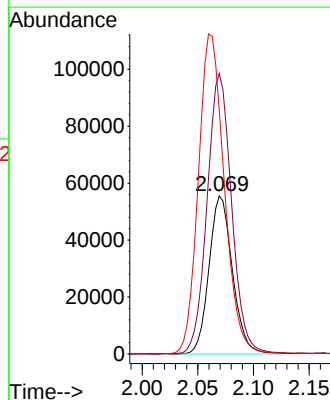
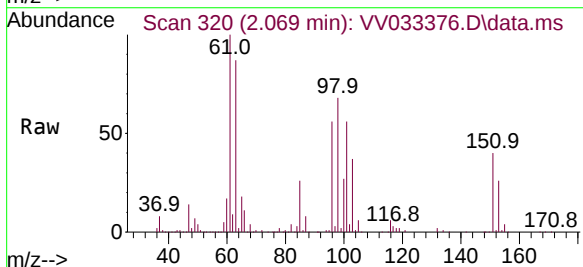
Instrument :
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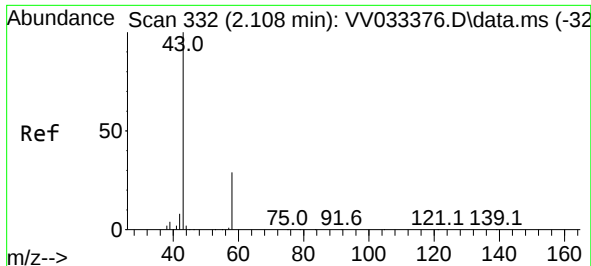
Tgt Ion:101 Resp: 94161
 Ion Ratio Lower Upper
 101 100
 85 45.7 36.6 54.8
 151 71.3 57.0 85.6



#12
 1,1-Dichloroethene
 Concen: 65.176 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV033376.D
 Acq: 15 Dec 2023 14:14

Tgt Ion: 96 Resp: 81275
 Ion Ratio Lower Upper
 96 100
 61 177.5 124.3 230.8
 63 154.4 108.1 200.7





#13

Acetone

Concen: 150.298 ug/L

RT: 2.108 min Scan# 311

Delta R.T. 0.000 min

Lab File: VV033376.D

Acq: 15 Dec 2023 14:14

Instrument :

MSVOA_V

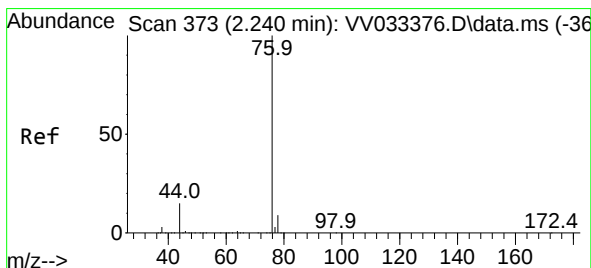
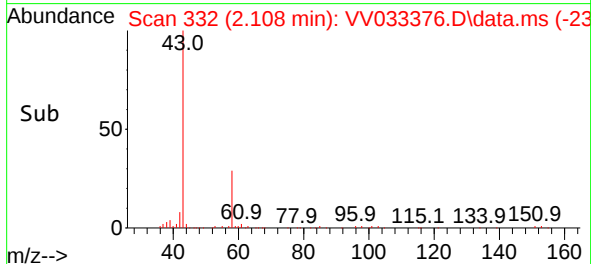
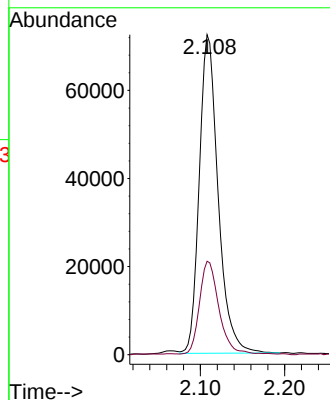
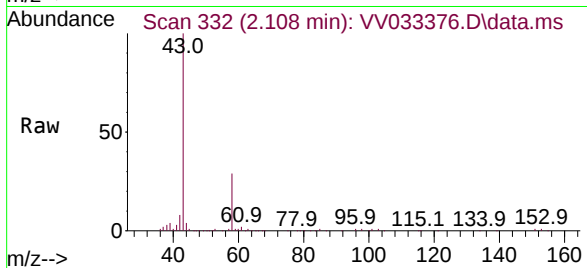
ClientSampleId :

Tgt Ion: 43 Resp: 112673

Ion Ratio Lower Upper

43 100

58 29.6 0.0 59.2



#14

Carbon disulfide

Concen: 49.513 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV033376.D

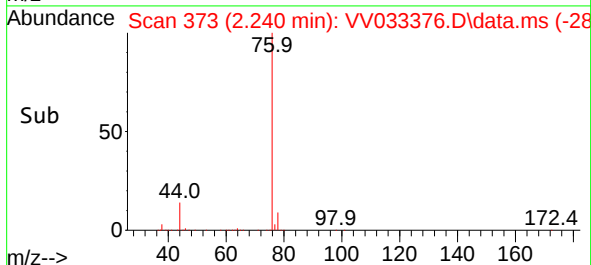
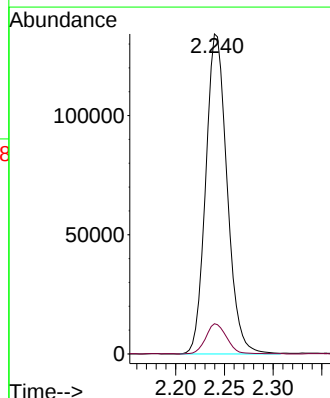
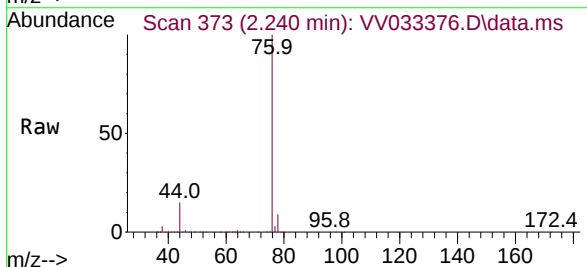
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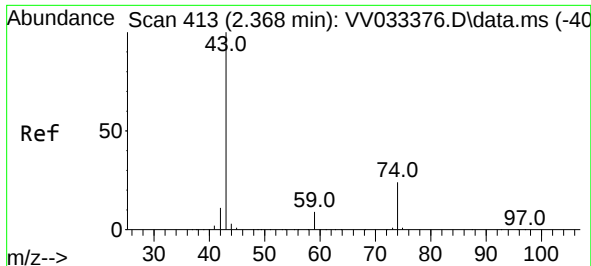
Tgt Ion: 76 Resp: 204749

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4

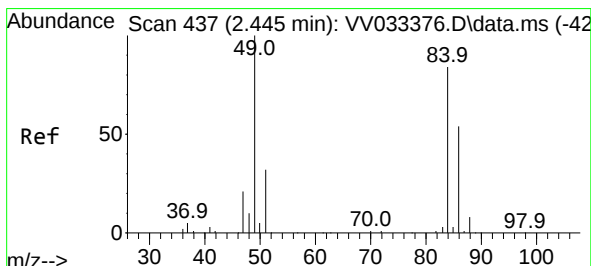
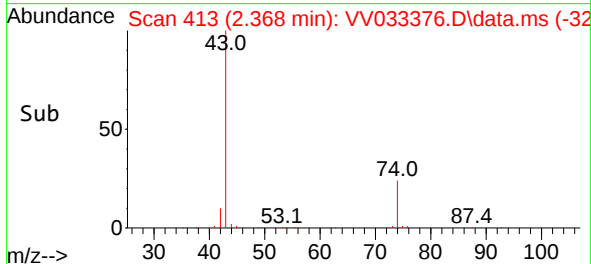
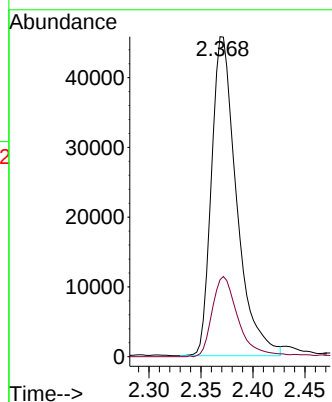
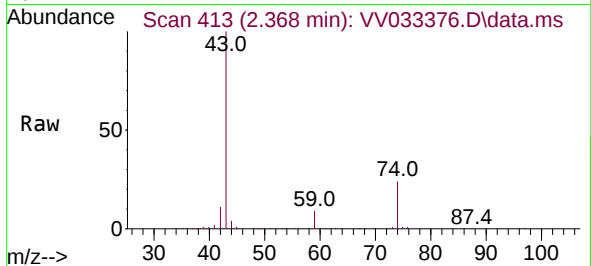




#15
Methyl Acetate
Concen: 65.430 ug/L
RT: 2.368 min Scan# 413
Delta R.T. 0.000 min
Lab File: VV033376.D
Acq: 15 Dec 2023 14:14

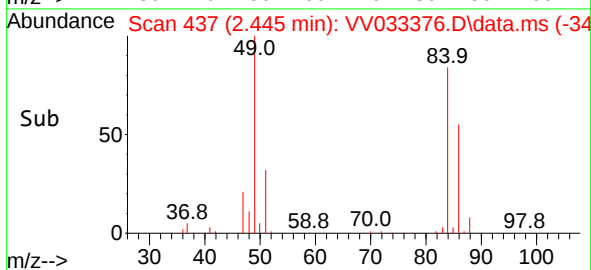
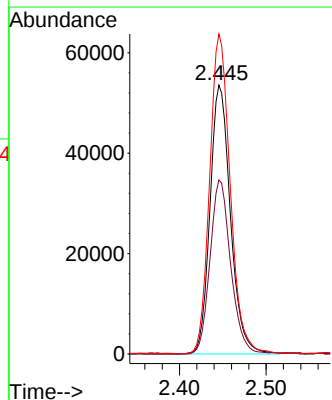
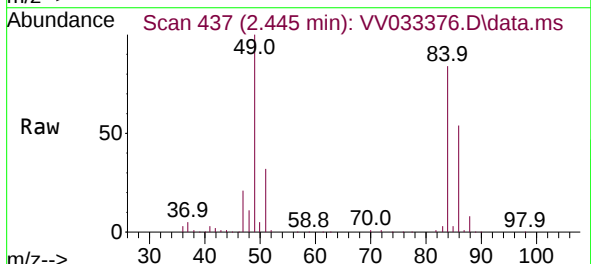
Instrument :
MSVOA_V
ClientSampleId :

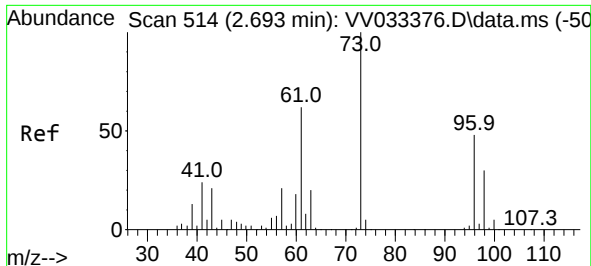
Tgt Ion: 43 Resp: 76866
Ion Ratio Lower Upper
43 100
74 26.0 20.8 31.2



#16
Methylene chloride
Concen: 55.690 ug/L
RT: 2.445 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV033376.D
Acq: 15 Dec 2023 14:14

Tgt Ion: 84 Resp: 87971
Ion Ratio Lower Upper
84 100
86 64.8 45.4 84.2
49 119.0 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 51.476 ug/L

RT: 2.693 min Scan# 514

Delta R.T. 0.000 min

Lab File: VV033376.D

Acq: 15 Dec 2023 14:14

Instrument :

MSVOA_V

ClientSampleId :

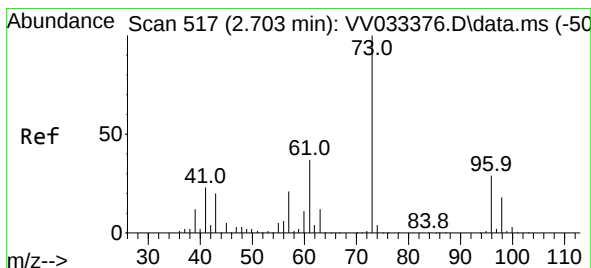
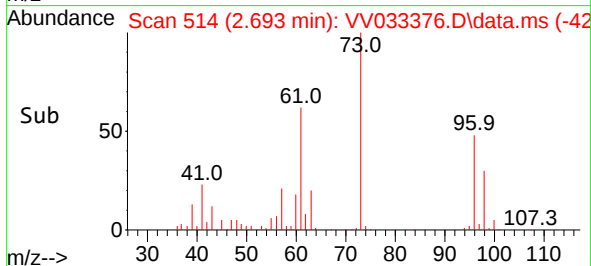
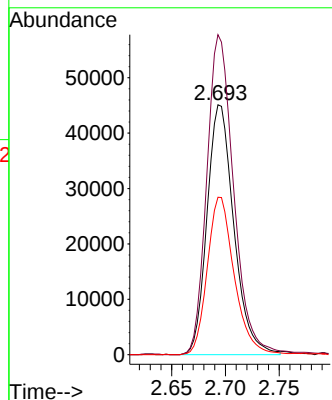
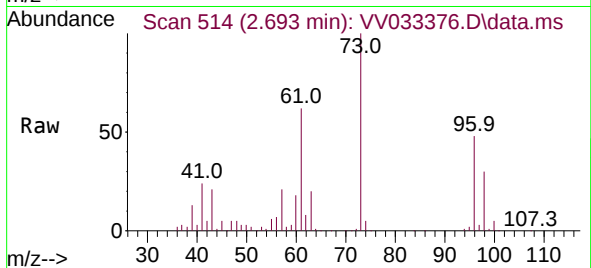
Tgt Ion: 96 Resp: 78447

Ion Ratio Lower Upper

96 100

61 128.0 89.6 166.4

98 63.0 44.1 81.9



#18

Methyl tert-butyl Ether

Concen: 51.895 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV033376.D

Acq: 15 Dec 2023 14:14

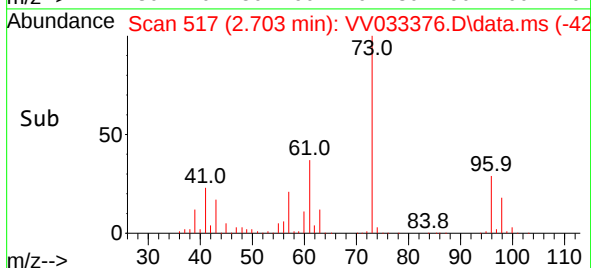
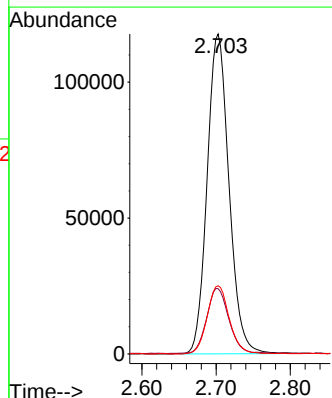
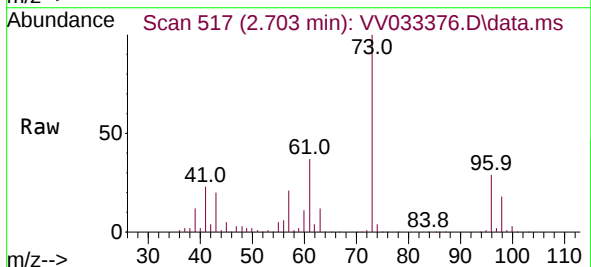
Tgt Ion: 73 Resp: 240228

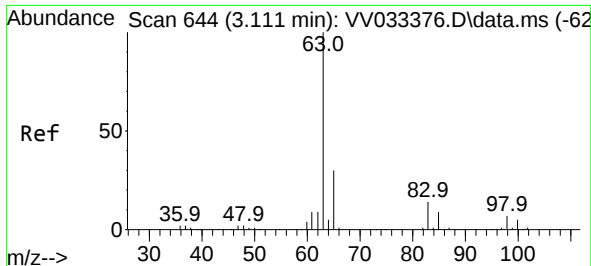
Ion Ratio Lower Upper

73 100

43 20.4 16.3 24.5

57 21.6 17.3 25.9





#19

1,1-Dichloroethane

Concen: 57.688 ug/L

RT: 3.111 min Scan# 644

Delta R.T. 0.000 min

Lab File: VV033376.D

Acq: 15 Dec 2023 14:14

Instrument :

MSVOA_V

ClientSampleId :

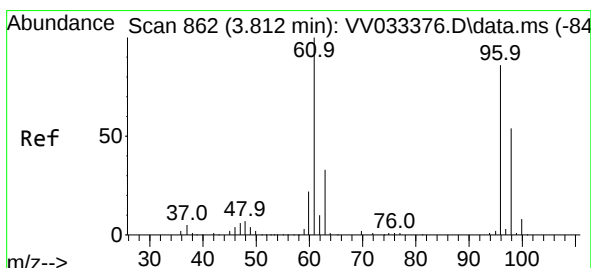
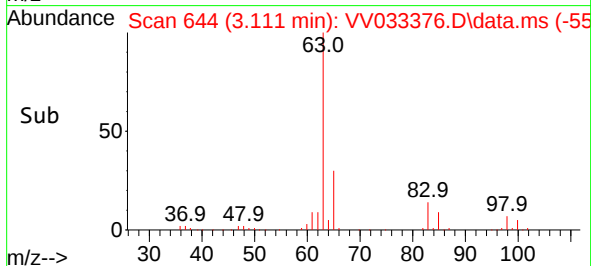
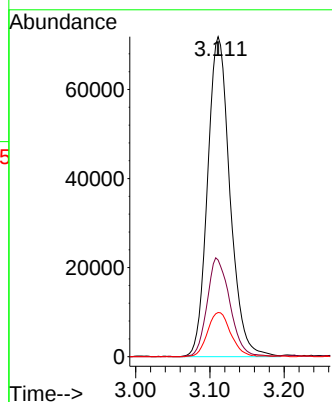
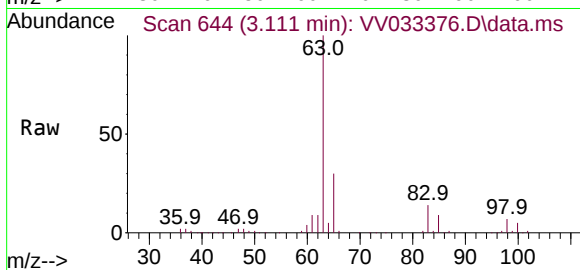
Tgt Ion: 63 Resp: 150899

Ion Ratio Lower Upper

63 100

65 30.2 21.1 39.3

83 13.8 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 54.112 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.000 min

Lab File: VV033376.D

Acq: 15 Dec 2023 14:14

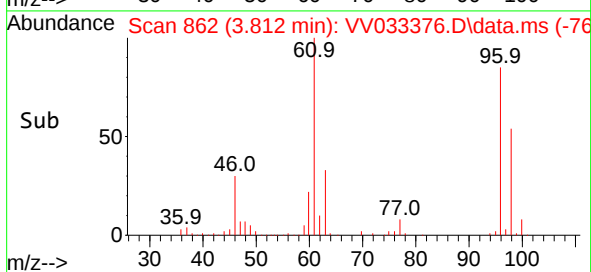
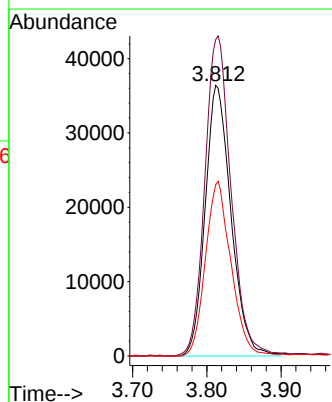
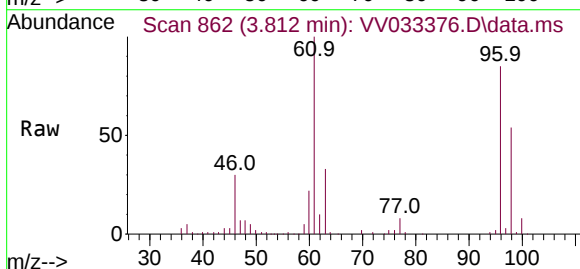
Tgt Ion: 96 Resp: 88062

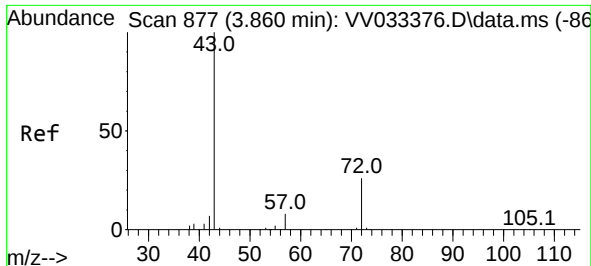
Ion Ratio Lower Upper

96 100

61 117.0 81.9 152.1

98 63.3 44.3 82.3

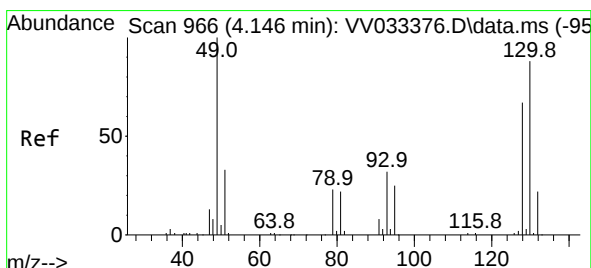
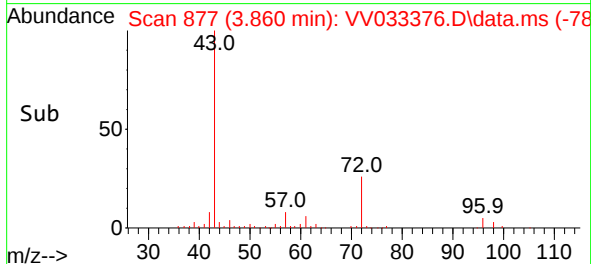
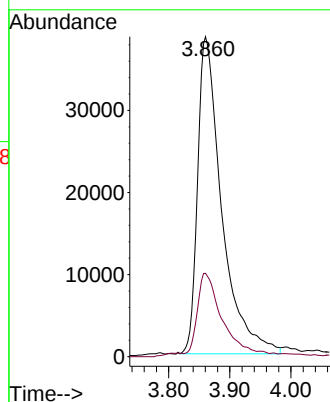
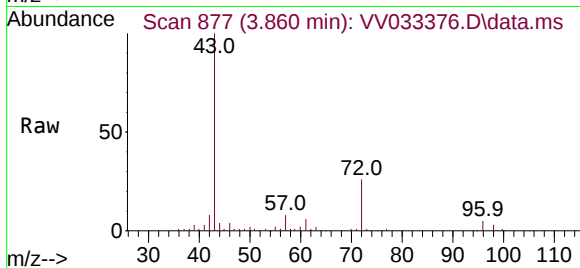




#22
2-Butanone
Concen: 121.156 ug/L
RT: 3.860 min Scan# 81
Delta R.T. 0.000 min
Lab File: VV033376.D
Acq: 15 Dec 2023 14:14

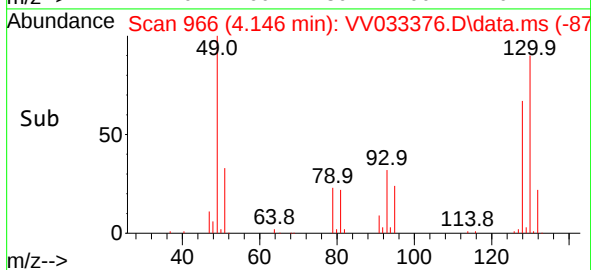
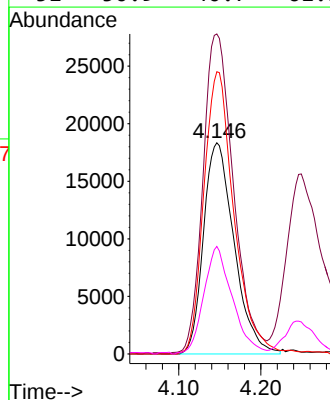
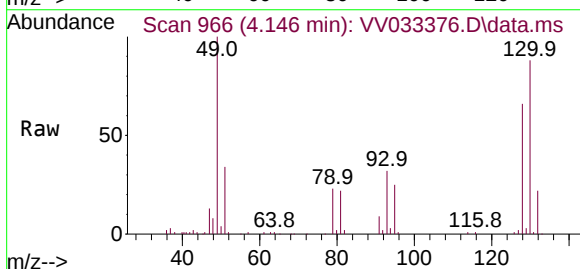
Instrument :
MSVOA_V
ClientSampleId :

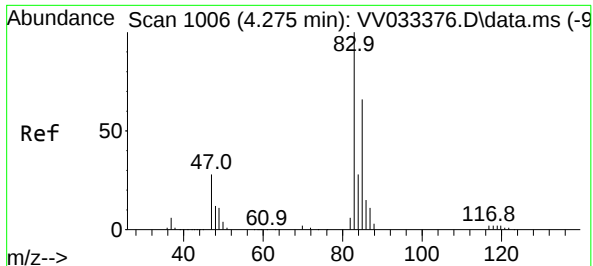
Tgt Ion: 43 Resp: 105895
Ion Ratio Lower Upper
43 100
72 24.9 12.4 37.4



#23
Bromochloromethane
Concen: 51.067 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.000 min
Lab File: VV033376.D
Acq: 15 Dec 2023 14:14

Tgt Ion:128 Resp: 47599
Ion Ratio Lower Upper
128 100
49 151.5 106.0 196.9
130 133.7 93.6 173.8
51 50.9 40.7 61.1

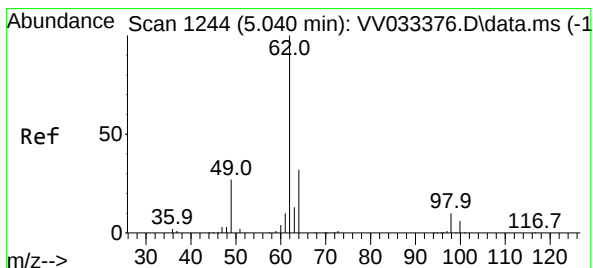
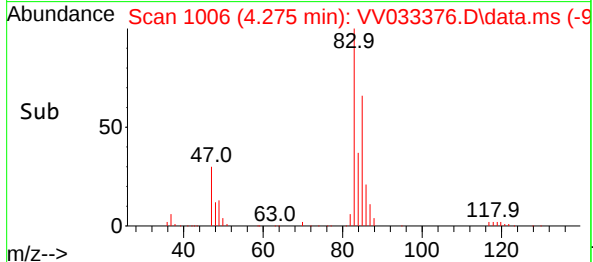
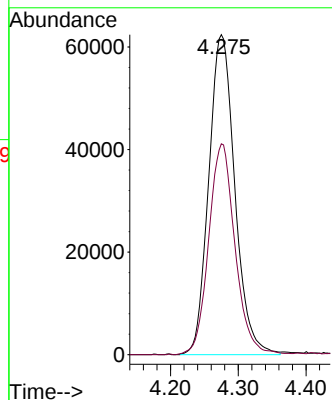
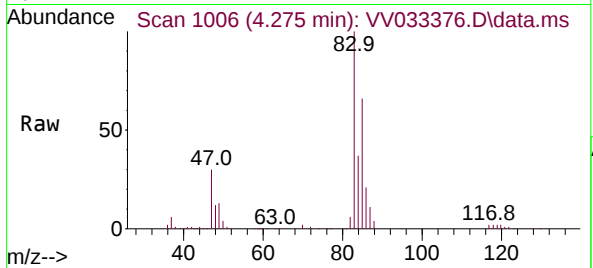




#25
Chloroform
Concen: 56.297 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VV033376.D
Acq: 15 Dec 2023 14:14

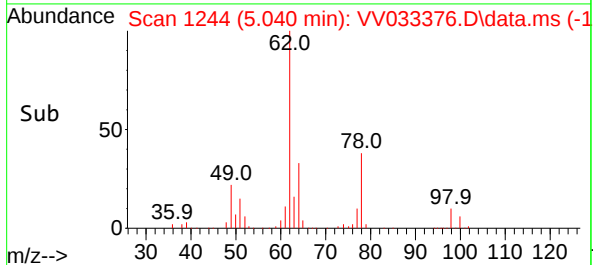
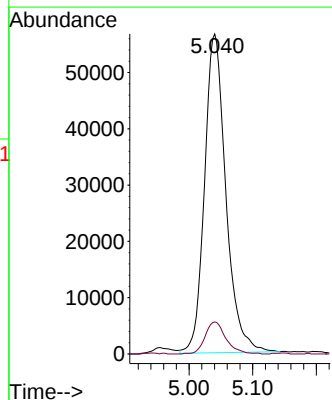
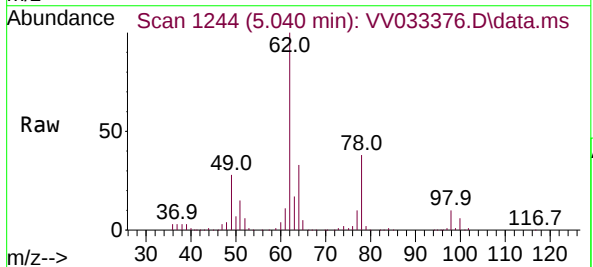
Instrument :
MSVOA_V
ClientSampleId :

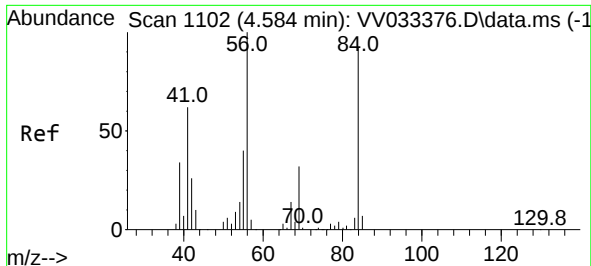
Tgt Ion: 83 Resp: 166883
Ion Ratio Lower Upper
83 100
85 65.9 46.1 85.7



#27
1,2-Dichloroethane
Concen: 56.300 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. 0.000 min
Lab File: VV033376.D
Acq: 15 Dec 2023 14:14

Tgt Ion: 62 Resp: 132102
Ion Ratio Lower Upper
62 100
98 10.0 8.0 12.0





#29

Cyclohexane

Concen: 50.516 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV033376.D

Acq: 15 Dec 2023 14:14

Instrument :

MSVOA_V

ClientSampleId :

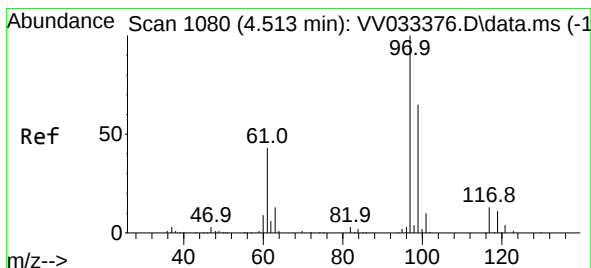
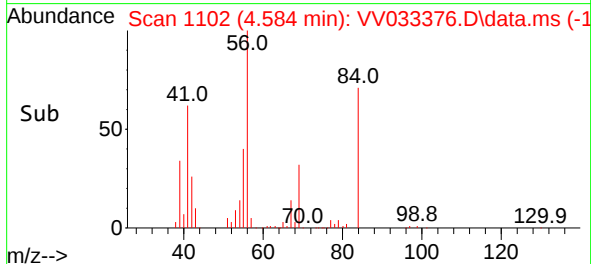
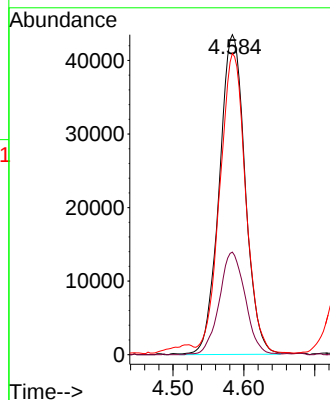
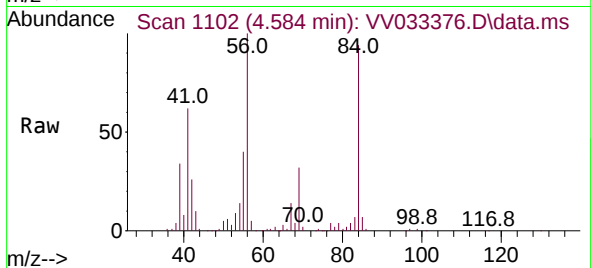
Tgt Ion: 56 Resp: 110167

Ion Ratio Lower Upper

56 100

69 32.2 25.8 38.6

84 94.0 75.2 112.8



#30

1,1,1-Trichloroethane

Concen: 50.538 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV033376.D

Acq: 15 Dec 2023 14:14

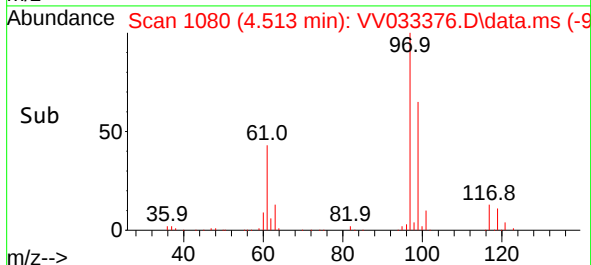
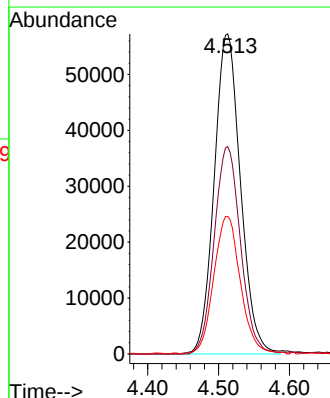
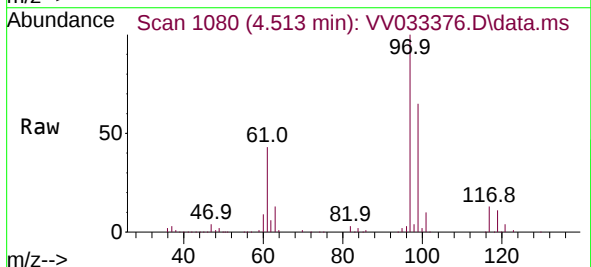
Tgt Ion: 97 Resp: 147581

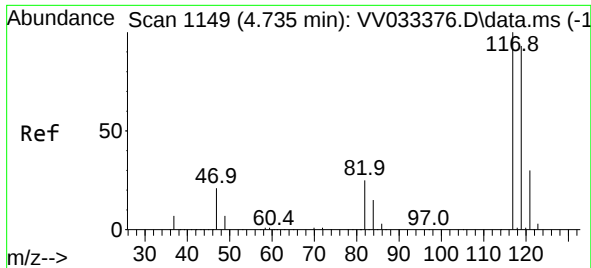
Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

61 43.5 34.8 52.2

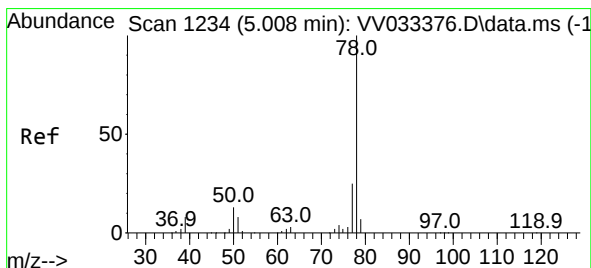
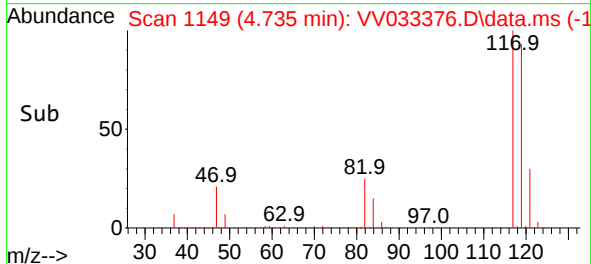
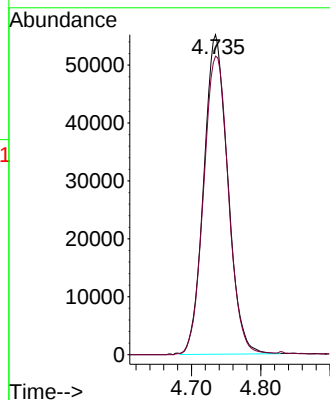
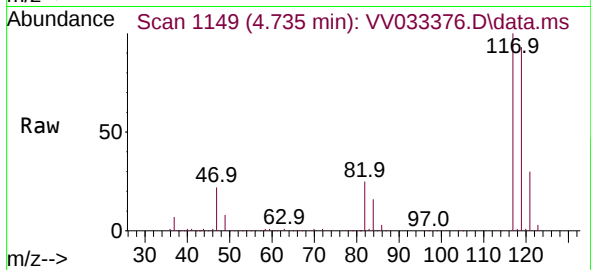




#31
Carbon tetrachloride
Concen: 49.233 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV033376.D
Acq: 15 Dec 2023 14:14

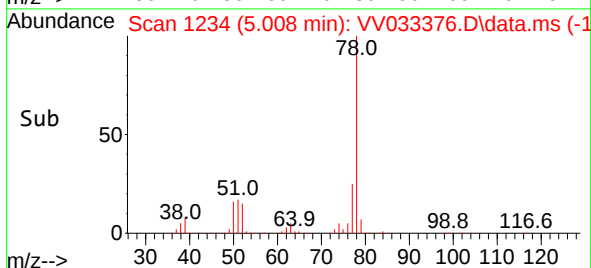
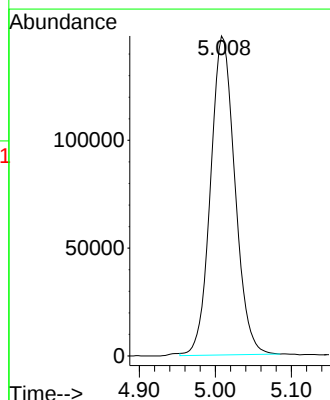
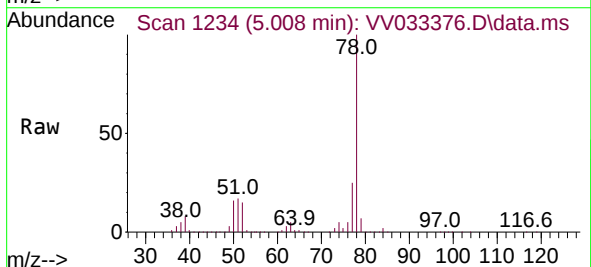
Instrument :
MSVOA_V
ClientSampleId :

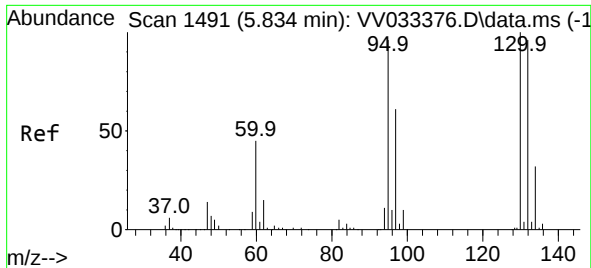
Tgt Ion:117 Resp: 132906
Ion Ratio Lower Upper
117 100
119 97.2 77.8 116.6



#33
Benzene
Concen: 54.152 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VV033376.D
Acq: 15 Dec 2023 14:14

Tgt Ion: 78 Resp: 329117

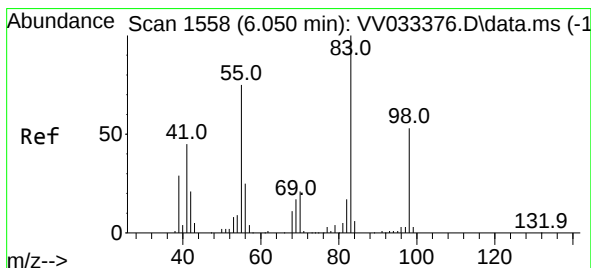
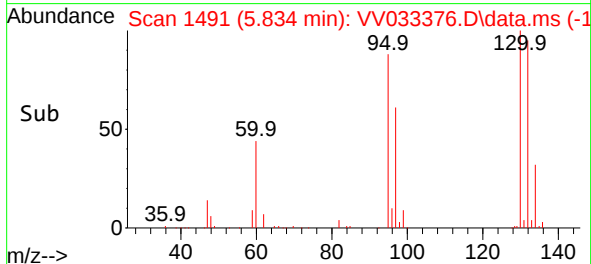
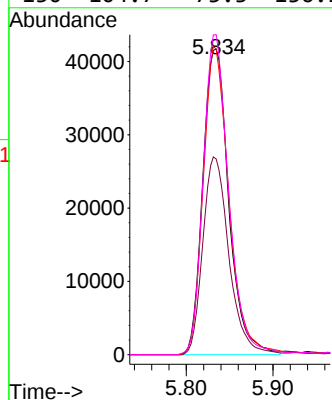
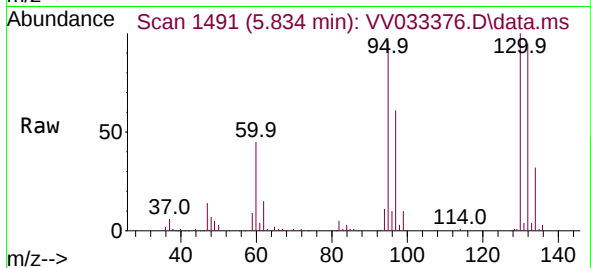




#34
Trichloroethene
Concen: 48.880 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VV033376.D
Acq: 15 Dec 2023 14:14

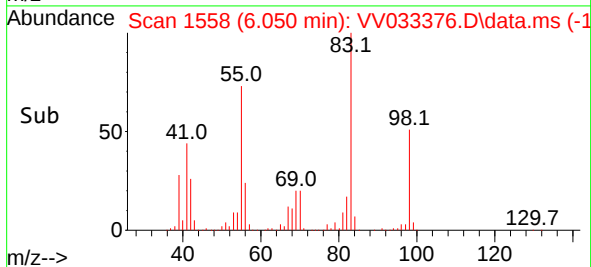
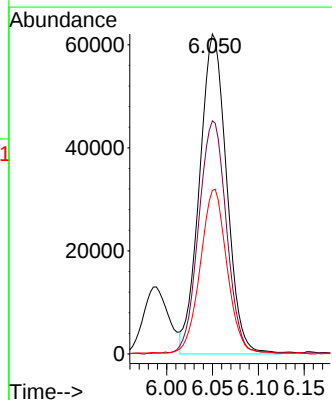
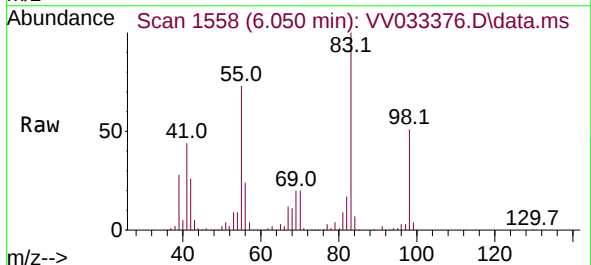
Instrument :
MSVOA_V
ClientSampleId :

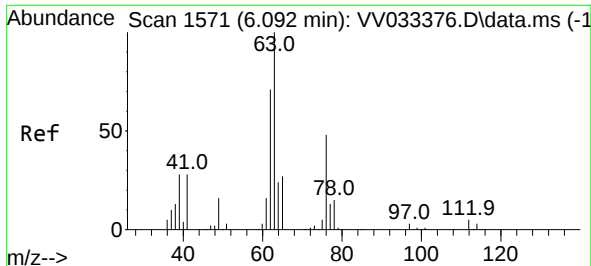
Tgt Ion: 95 Resp: 87038
Ion Ratio Lower Upper
95 100
97 64.0 44.8 83.2
132 99.8 69.9 129.7
130 104.7 73.3 136.1



#35
Methylcyclohexane
Concen: 49.686 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.000 min
Lab File: VV033376.D
Acq: 15 Dec 2023 14:14

Tgt Ion: 83 Resp: 127825
Ion Ratio Lower Upper
83 100
55 73.3 58.6 88.0
98 51.1 40.9 61.3





#37

1,2-Dichloropropane

Concen: 60.610 ug/L

RT: 6.092 min Scan# 1571

Delta R.T. 0.000 min

Lab File: VV033376.D

Acq: 15 Dec 2023 14:14

Instrument :

MSVOA_V

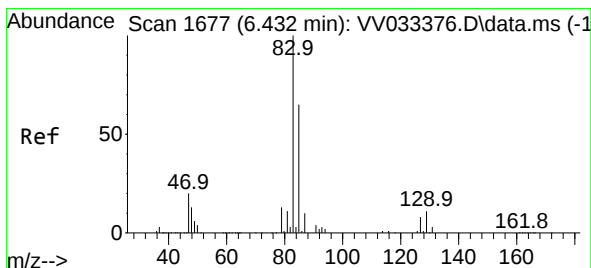
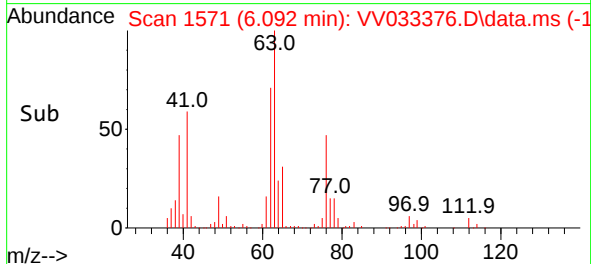
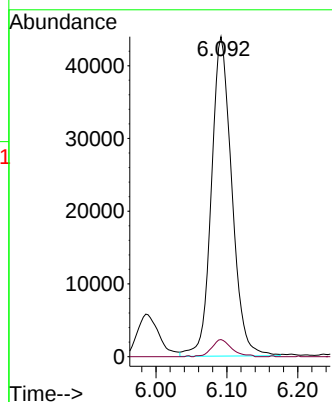
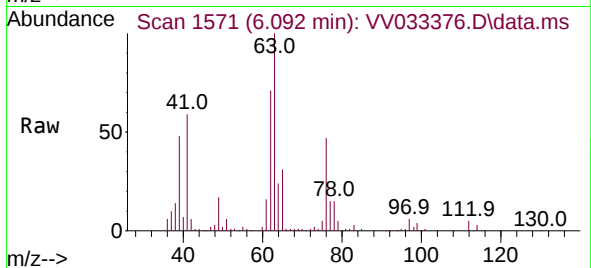
ClientSampleId :

Tgt Ion: 63 Resp: 88023

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#38

Bromodichloromethane

Concen: 54.119 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV033376.D

Acq: 15 Dec 2023 14:14

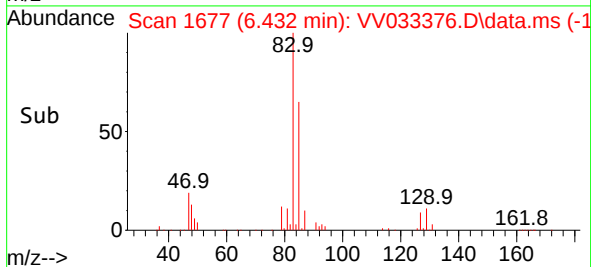
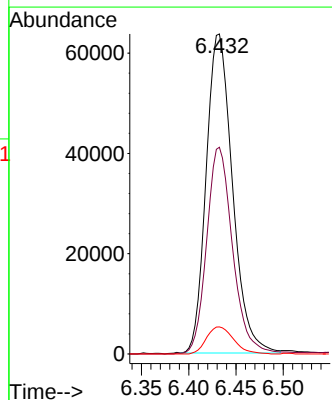
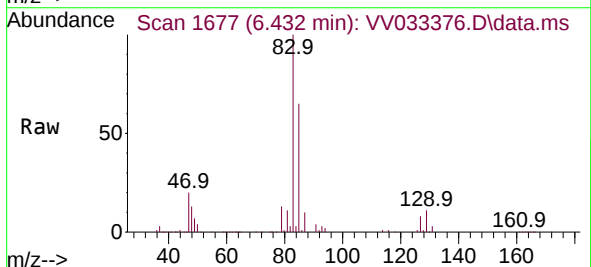
Tgt Ion: 83 Resp: 123480

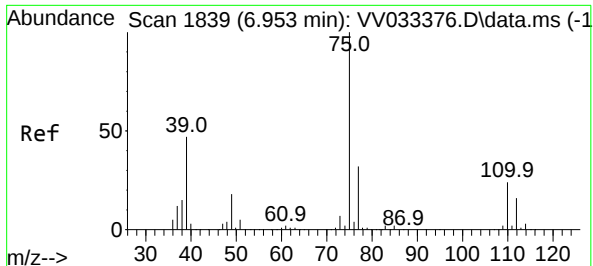
Ion Ratio Lower Upper

83 100

85 64.6 45.2 84.0

127 8.5 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 52.284 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.000 min

Lab File: VV033376.D

Acq: 15 Dec 2023 14:14

Instrument :

MSVOA_V

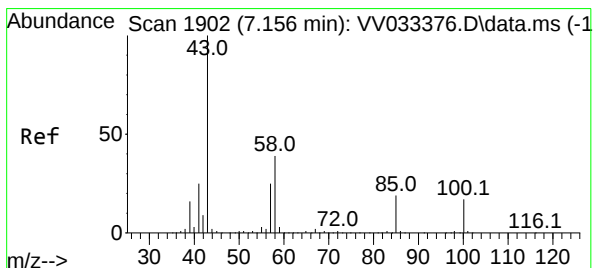
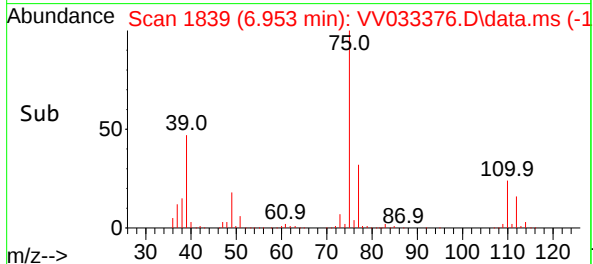
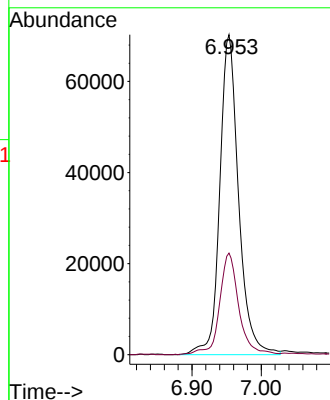
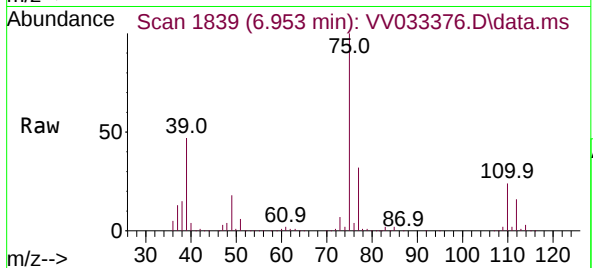
ClientSampleId :

Tgt Ion: 75 Resp: 132712

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 129.561 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VV033376.D

Acq: 15 Dec 2023 14:14

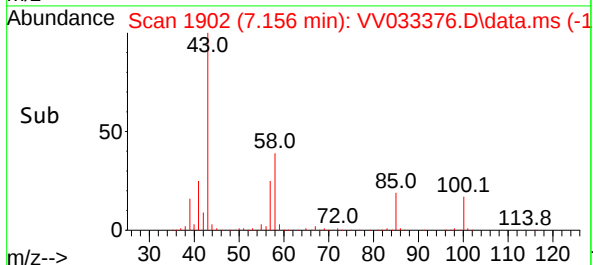
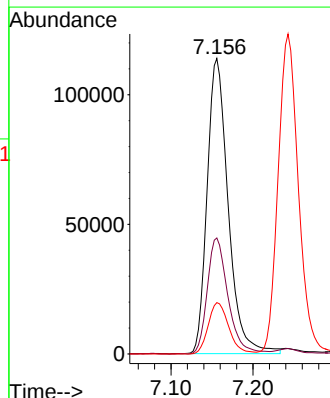
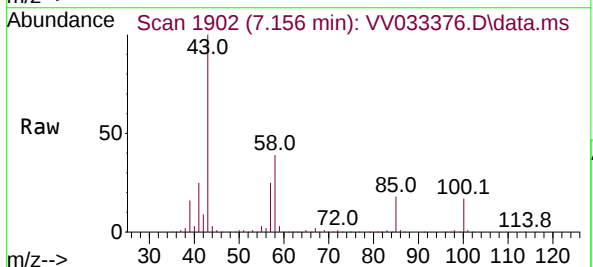
Tgt Ion: 43 Resp: 203444

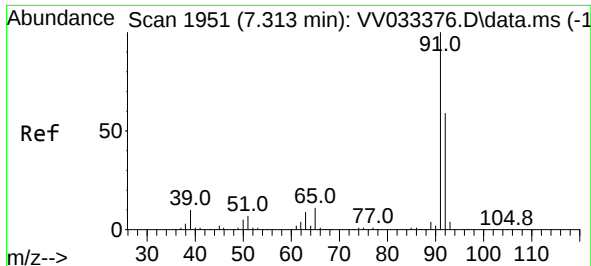
Ion Ratio Lower Upper

43 100

58 38.4 30.7 46.1

100 17.0 13.6 20.4





#42

Toluene

Concen: 53.256 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV033376.D

Acq: 15 Dec 2023 14:14

Instrument :

MSVOA_V

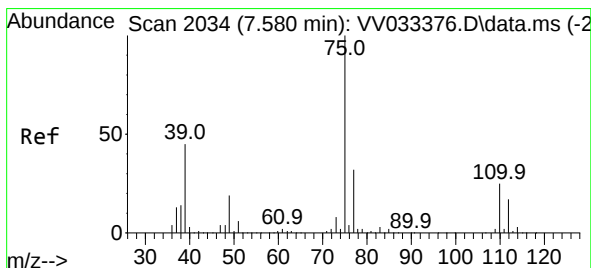
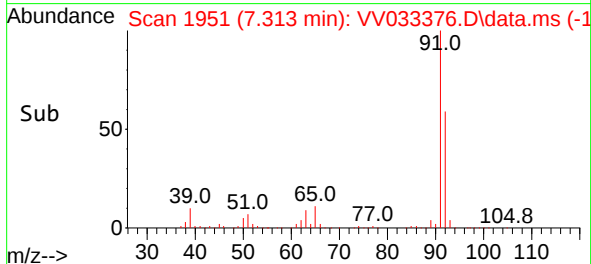
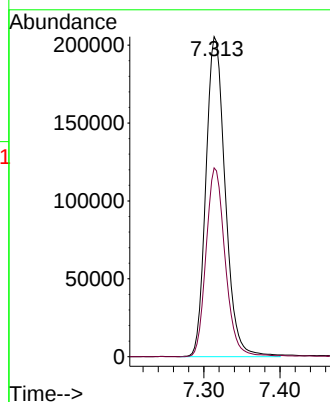
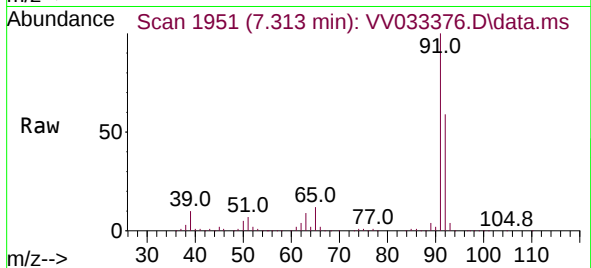
ClientSampleId :

Tgt Ion: 91 Resp: 362953

Ion Ratio Lower Upper

91 100

92 59.0 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 50.627 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV033376.D

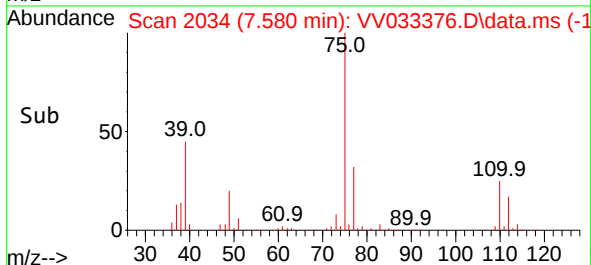
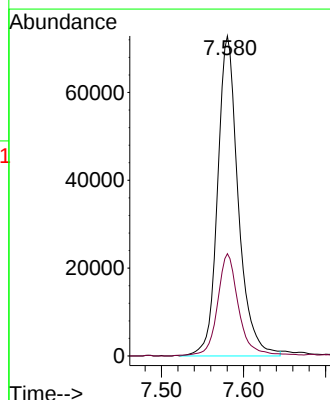
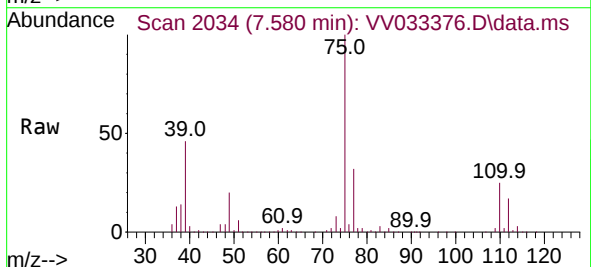
Acq: 15 Dec 2023 14:14

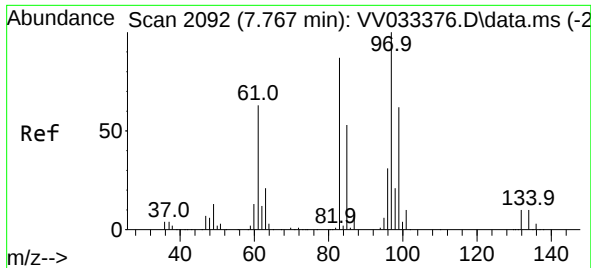
Tgt Ion: 75 Resp: 127828

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6

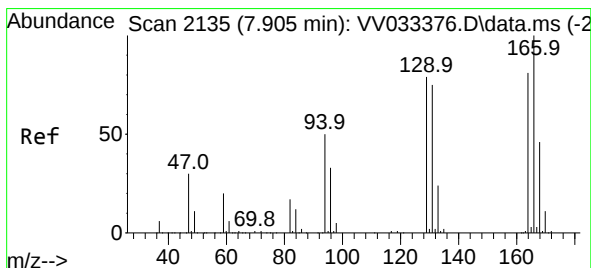
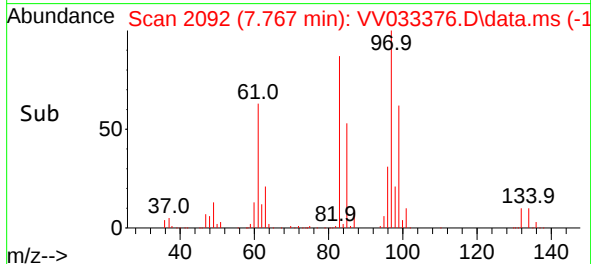
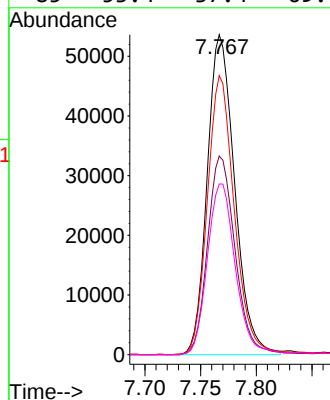
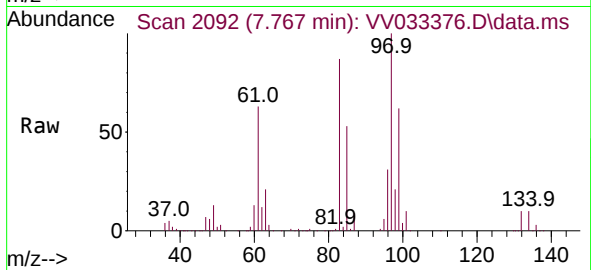




#45
1,1,2-Trichloroethane
Concen: 55.583 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.000 min
Lab File: VV033376.D
Acq: 15 Dec 2023 14:14

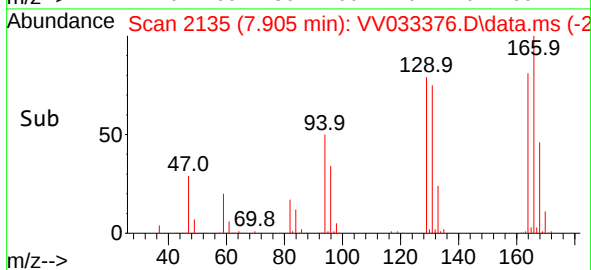
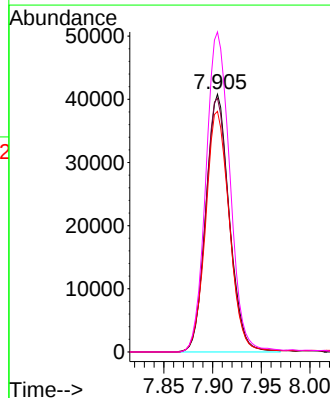
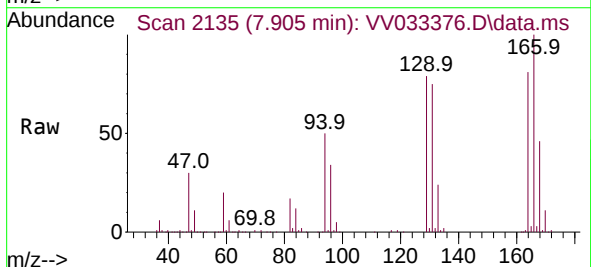
Instrument :
MSVOA_V
ClientSampleId :

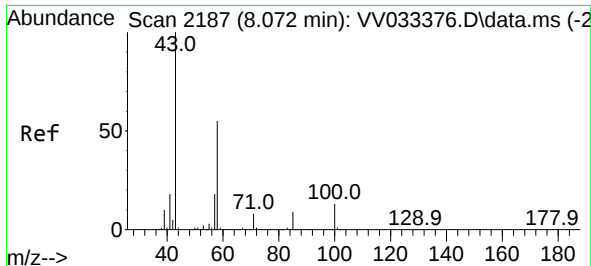
Tgt Ion:	97	Resp:	91979
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.5	80.7
83	87.2	61.0	113.4
85	53.4	37.4	69.4



#46
Tetrachloroethene
Concen: 45.484 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV033376.D
Acq: 15 Dec 2023 14:14

Tgt Ion:	164	Resp:	68385
Ion	Ratio	Lower	Upper
164	100		
129	98.4	68.9	127.9
131	93.3	65.3	121.3
166	124.1	86.9	161.3

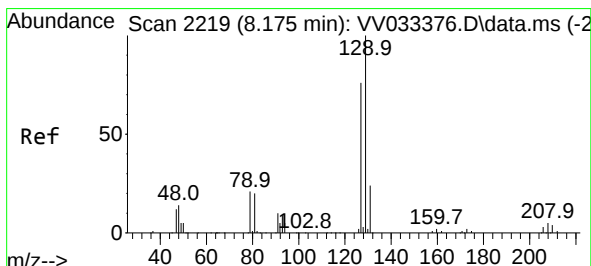
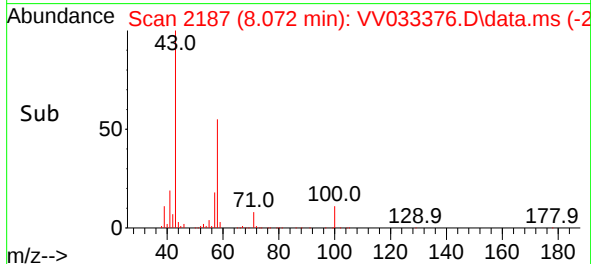
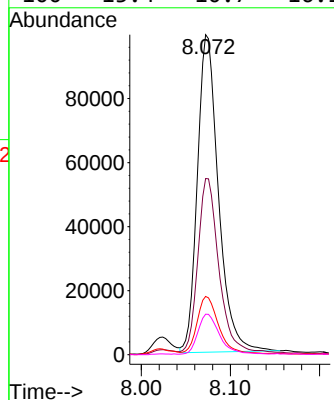
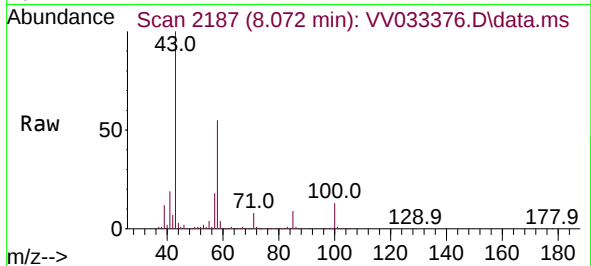




#48
2-Hexanone
Concen: 126.337 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV033376.D
Acq: 15 Dec 2023 14:14

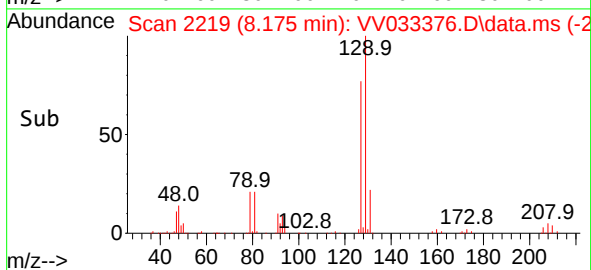
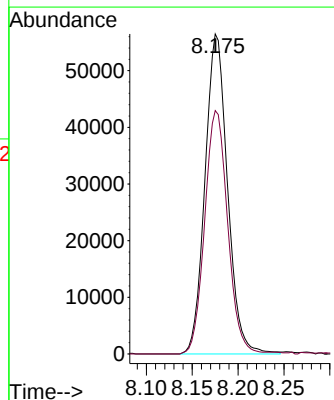
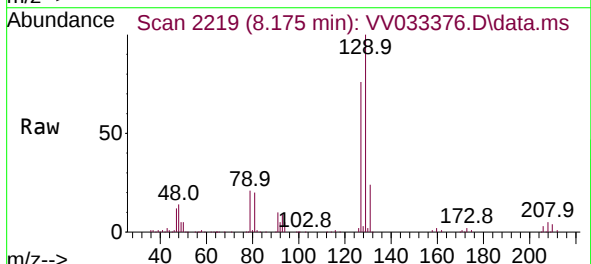
Instrument :
MSVOA_V
ClientSampleId :

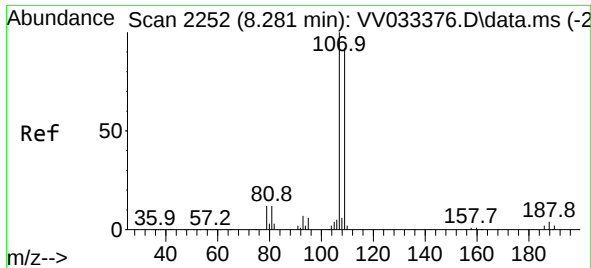
Tgt Ion: 43 Resp: 163303
Ion Ratio Lower Upper
43 100
58 53.8 43.0 64.6
57 18.4 14.7 22.1
100 13.4 10.7 16.1



#49
Dibromochloromethane
Concen: 50.410 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV033376.D
Acq: 15 Dec 2023 14:14

Tgt Ion: 129 Resp: 96693
Ion Ratio Lower Upper
129 100
127 76.1 53.3 98.9

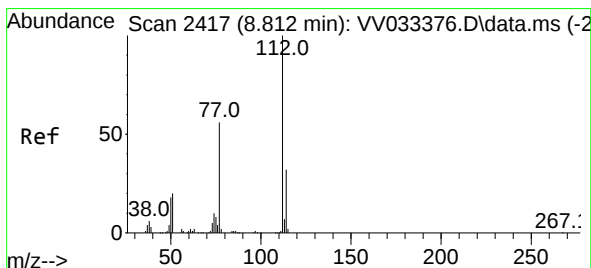
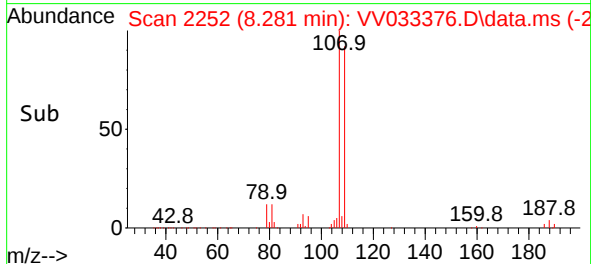
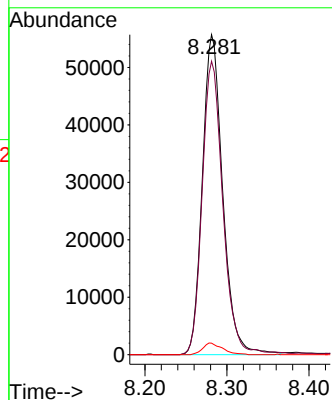
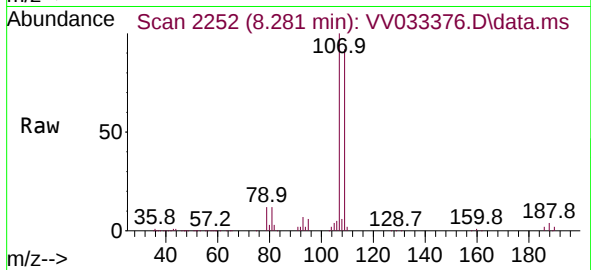




#50
1,2-Dibromoethane
Concen: 54.915 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033376.D
Acq: 15 Dec 2023 14:14

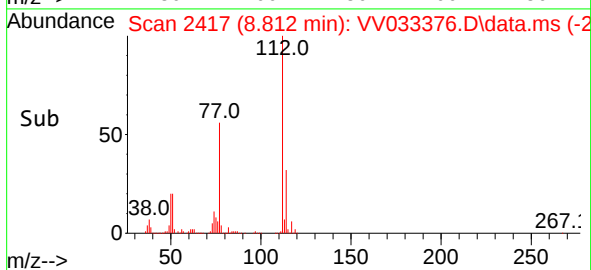
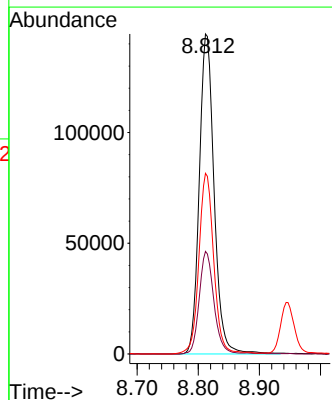
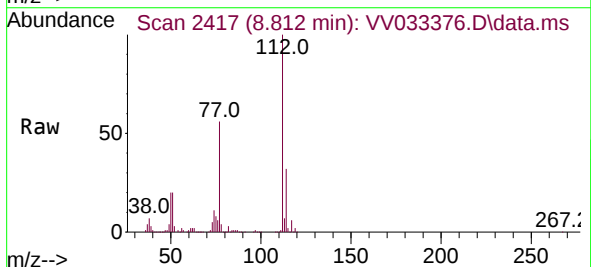
Instrument :
MSVOA_V
ClientSampleId :

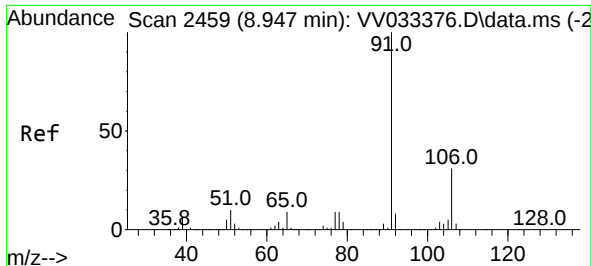
Tgt Ion:107 Resp: 96148
Ion Ratio Lower Upper
107 100
109 91.7 64.2 119.2
188 3.6 2.9 4.3



#51
Chlorobenzene
Concen: 51.103 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV033376.D
Acq: 15 Dec 2023 14:14

Tgt Ion:112 Resp: 243475
Ion Ratio Lower Upper
112 100
114 32.1 22.5 41.7
77 56.5 45.2 67.8

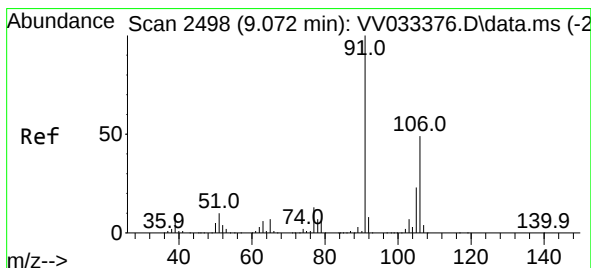
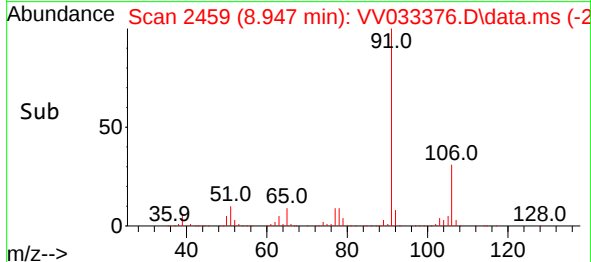
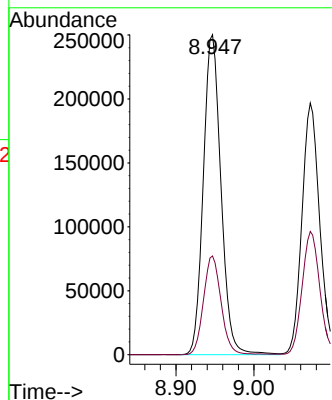
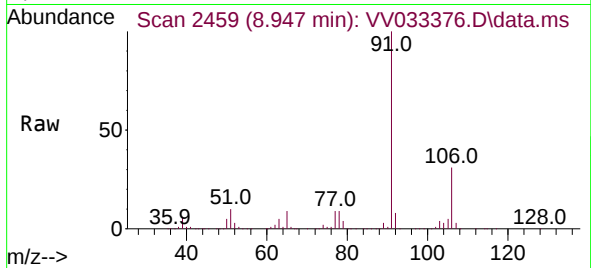




#52
Ethylbenzene
Concen: 50.763 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV033376.D
Acq: 15 Dec 2023 14:14

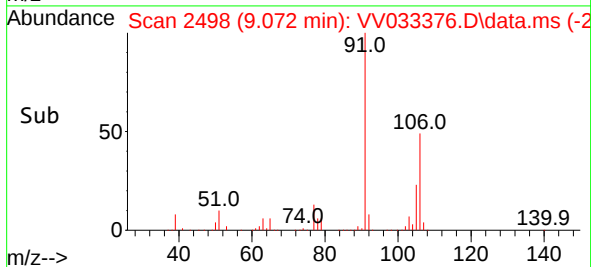
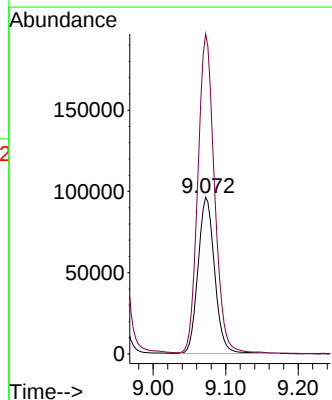
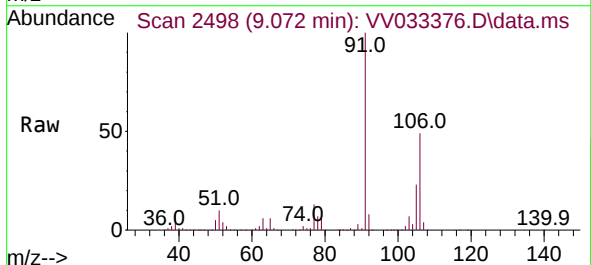
Instrument :
MSVOA_V
ClientSampleId :

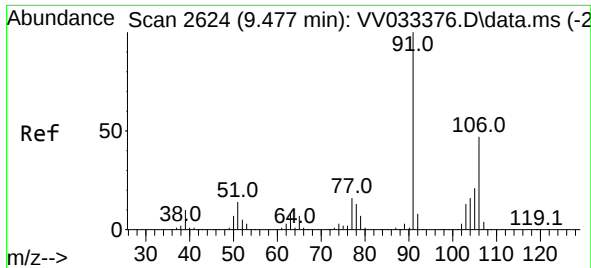
Tgt Ion: 91 Resp: 393708
Ion Ratio Lower Upper
91 100
106 30.9 21.6 40.2



#53
m,p-Xylene
Concen: 49.941 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033376.D
Acq: 15 Dec 2023 14:14

Tgt Ion: 106 Resp: 152626
Ion Ratio Lower Upper
106 100
91 204.3 143.0 265.6

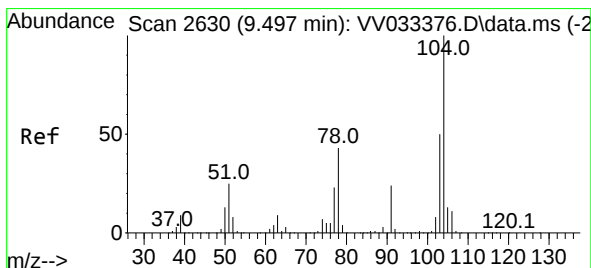
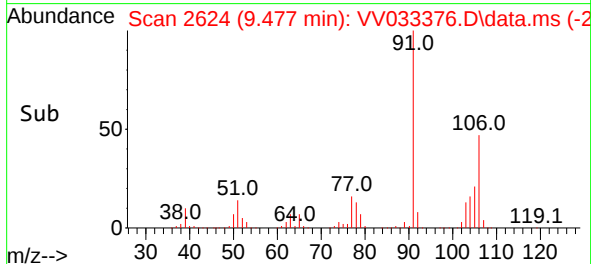
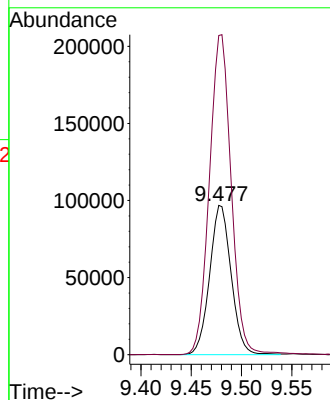
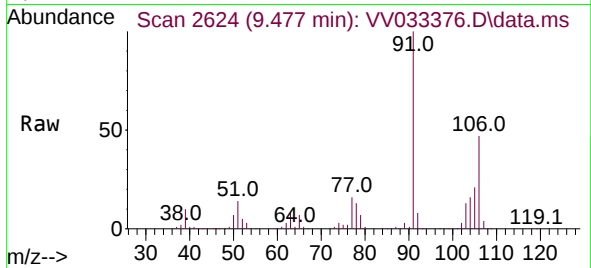




#54
o-Xylene
Concen: 48.112 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033376.D
Acq: 15 Dec 2023 14:14

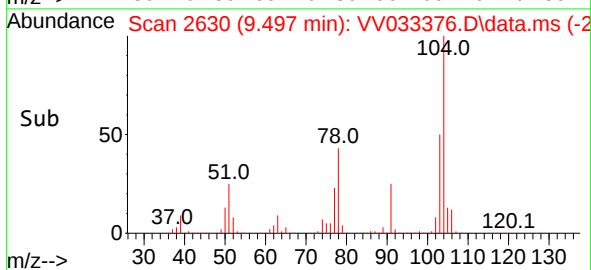
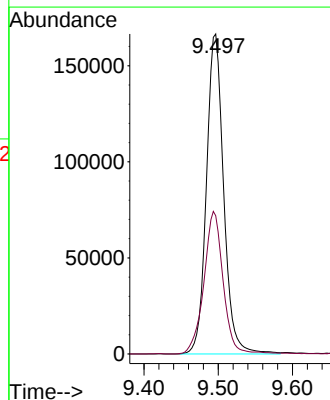
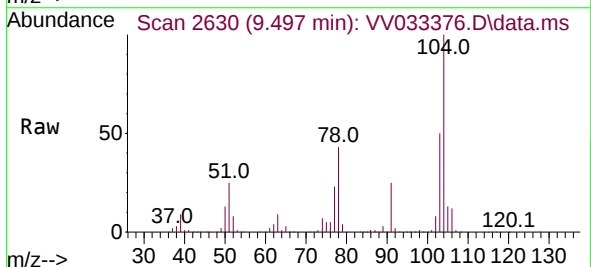
Instrument :
MSVOA_V
ClientSampleId :

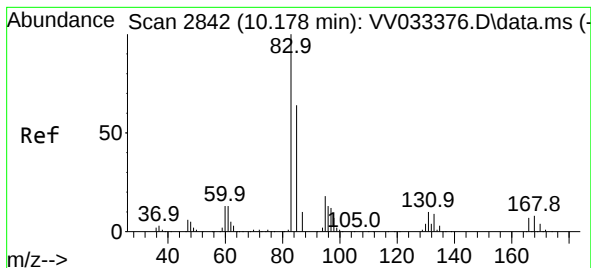
Tgt Ion:106 Resp: 144115
Ion Ratio Lower Upper
106 100
91 213.9 149.7 278.1



#55
Styrene
Concen: 51.366 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV033376.D
Acq: 15 Dec 2023 14:14

Tgt Ion:104 Resp: 268648
Ion Ratio Lower Upper
104 100
78 43.2 30.2 56.2

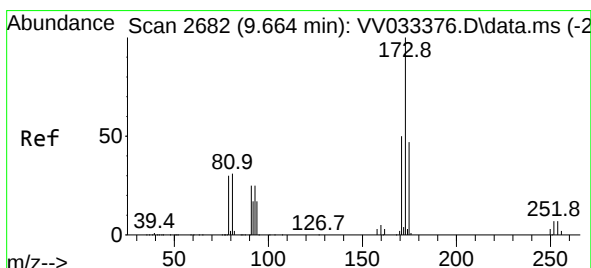
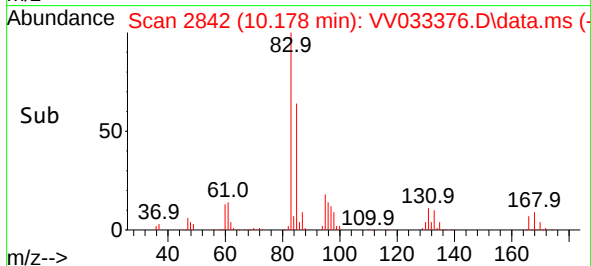
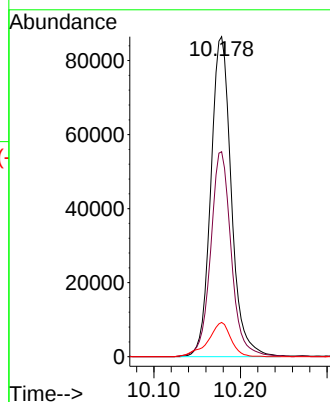
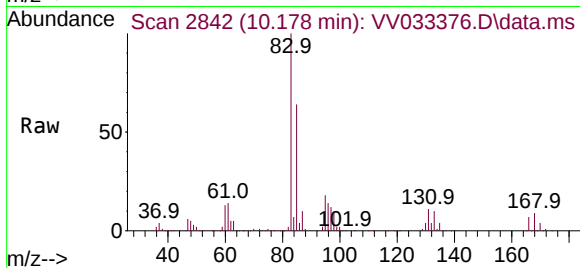




#57
1,1,2,2-Tetrachloroethane
Concen: 60.942 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VV033376.D
Acq: 15 Dec 2023 14:14

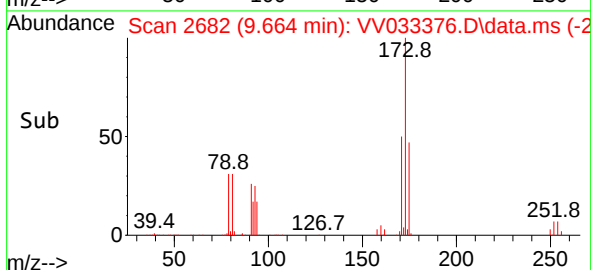
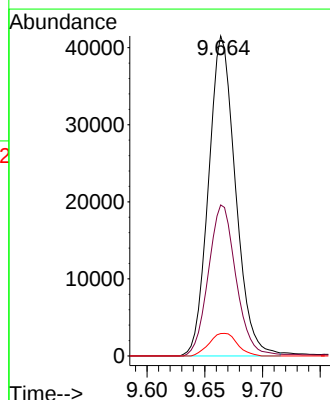
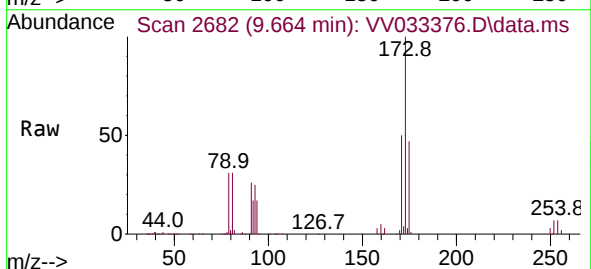
Instrument :
MSVOA_V
ClientSampleId :

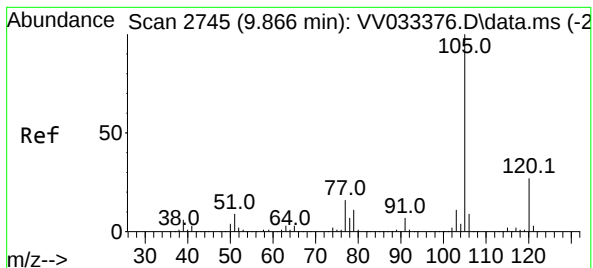
Tgt Ion: 83 Resp: 142197
Ion Ratio Lower Upper
83 100
85 64.0 44.8 83.2
131 10.7 8.6 12.8



#59
Bromoform
Concen: 48.344 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.000 min
Lab File: VV033376.D
Acq: 15 Dec 2023 14:14

Tgt Ion: 173 Resp: 67340
Ion Ratio Lower Upper
173 100
175 48.5 38.8 58.2
254 7.3 5.8 8.8





#60

Isopropylbenzene

Concen: 53.177 ug/L

RT: 9.866 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033376.D

Acq: 15 Dec 2023 14:14

Instrument :

MSVOA_V

ClientSampleId :

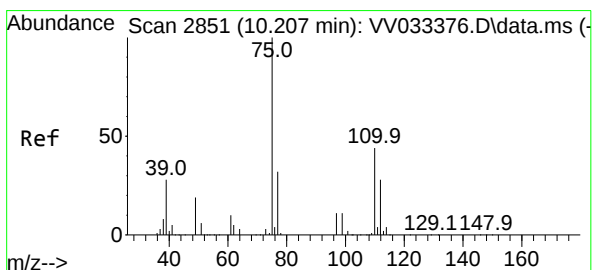
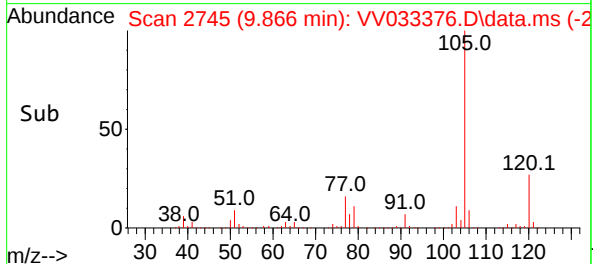
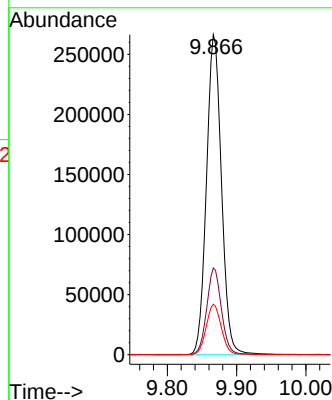
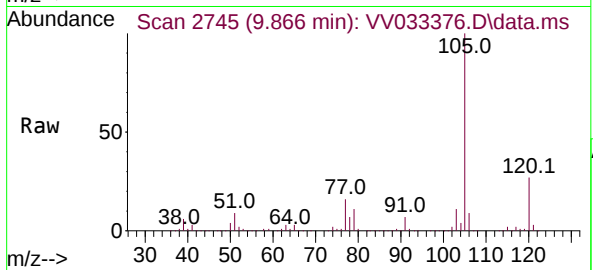
Tgt Ion:105 Resp: 400092

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

77 15.6 12.5 18.7



#61

1,2,3-Trichloropropane

Concen: 62.288 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.000 min

Lab File: VV033376.D

Acq: 15 Dec 2023 14:14

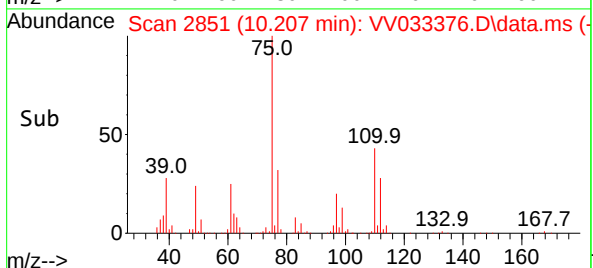
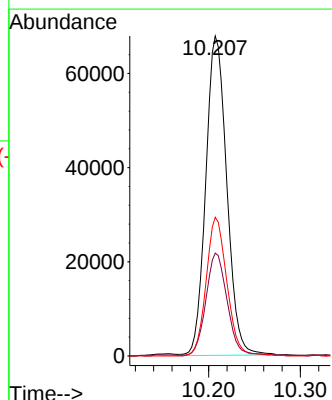
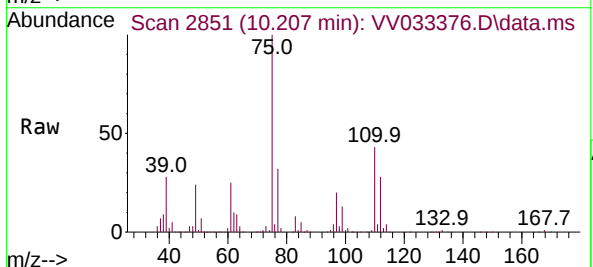
Tgt Ion: 75 Resp: 108096

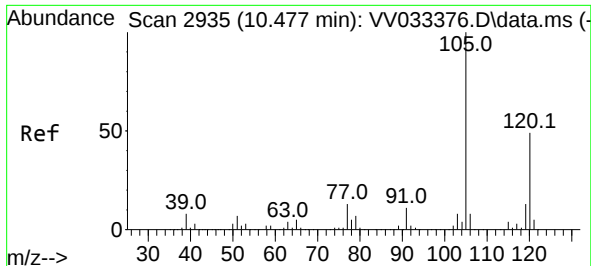
Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

110 42.4 33.9 50.9





#62

1,3,5-Trimethylbenzene

Concen: 50.738 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV033376.D

Acq: 15 Dec 2023 14:14

Instrument :

MSVOA_V

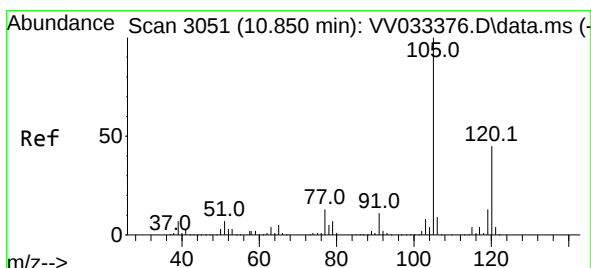
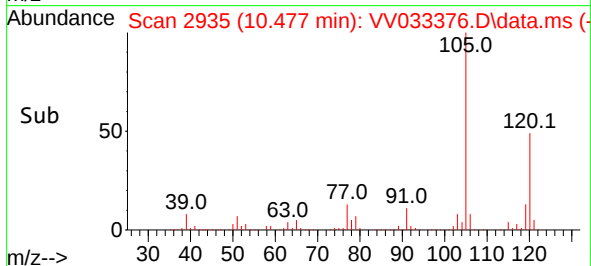
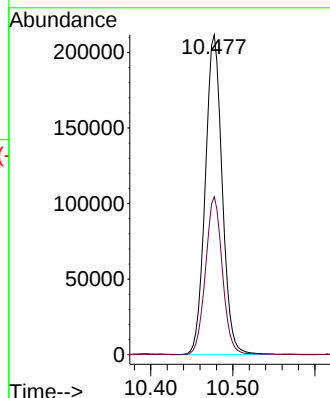
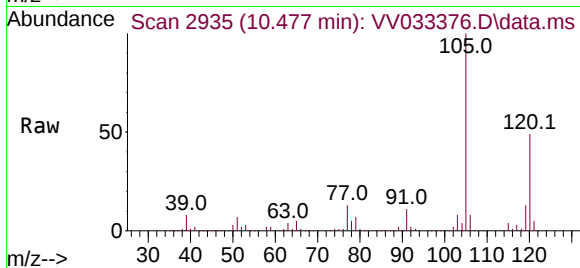
ClientSampleId :

Tgt Ion:105 Resp: 303599

Ion Ratio Lower Upper

105 100

120 49.4 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 51.336 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV033376.D

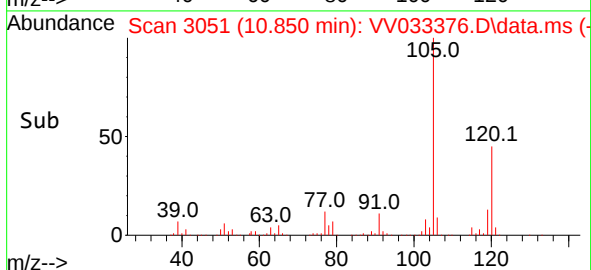
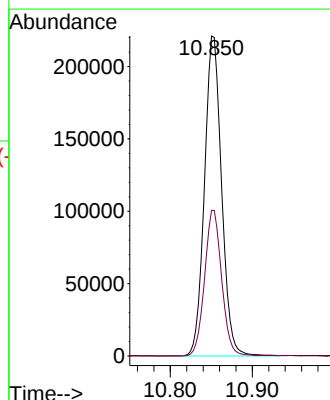
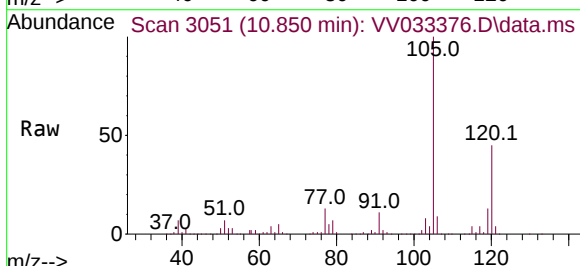
Acq: 15 Dec 2023 14:14

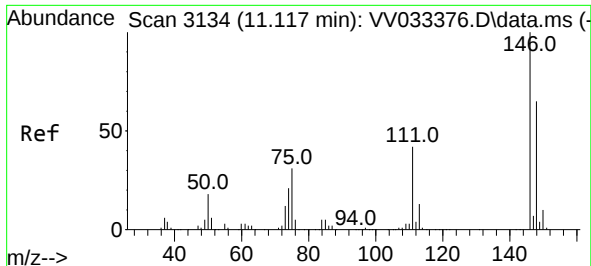
Tgt Ion:105 Resp: 320835

Ion Ratio Lower Upper

105 100

120 45.3 36.2 54.4

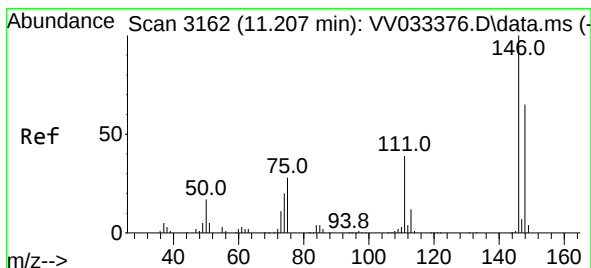
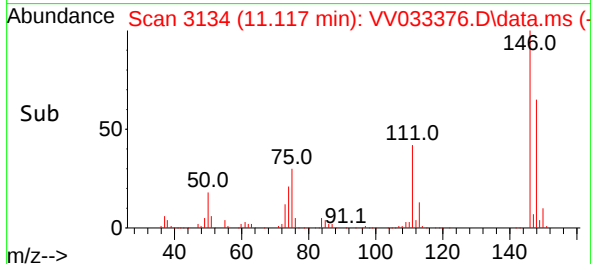
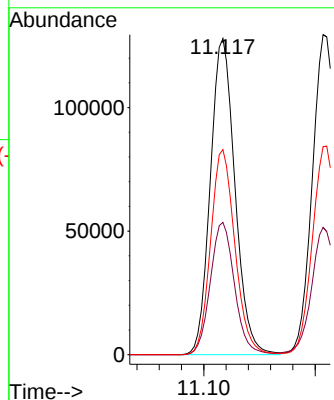
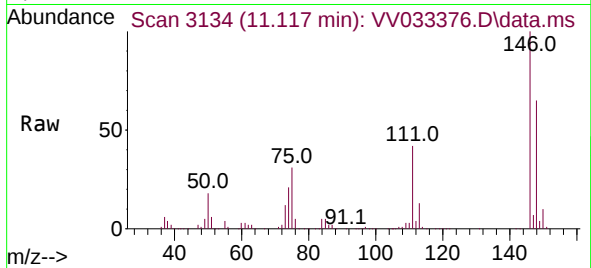




#64
 1,3-Dichlorobenzene
 Concen: 49.364 ug/L
 RT: 11.117 min Scan# 3134
 Delta R.T. 0.000 min
 Lab File: VV033376.D
 Acq: 15 Dec 2023 14:14

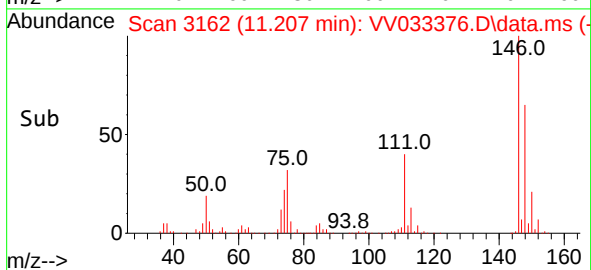
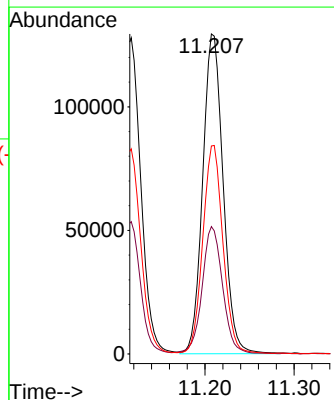
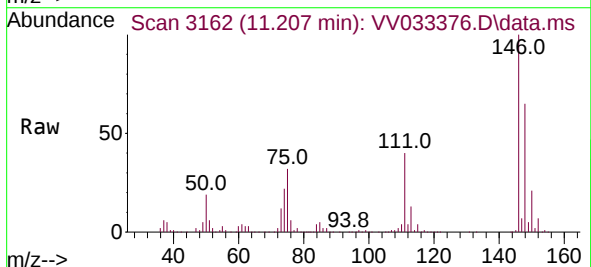
Instrument :
 MSVOA_V
 ClientSampleId :

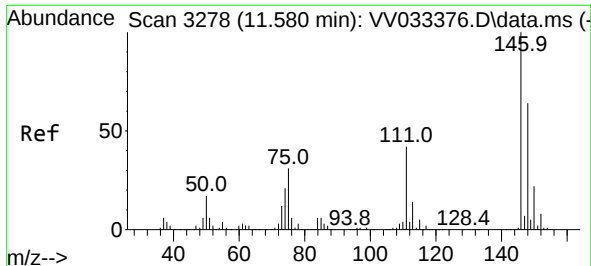
Tgt Ion:146 Resp: 196594
 Ion Ratio Lower Upper
 146 100
 111 41.9 29.3 54.5
 148 64.9 45.4 84.4



#65
 1,4-Dichlorobenzene
 Concen: 49.507 ug/L
 RT: 11.207 min Scan# 3162
 Delta R.T. 0.000 min
 Lab File: VV033376.D
 Acq: 15 Dec 2023 14:14

Tgt Ion:146 Resp: 205750
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.9 51.7
 148 65.0 45.5 84.5





#67

1,2-Dichlorobenzene

Concen: 51.002 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033376.D

Acq: 15 Dec 2023 14:14

Instrument :

MSVOA_V

ClientSampleId :

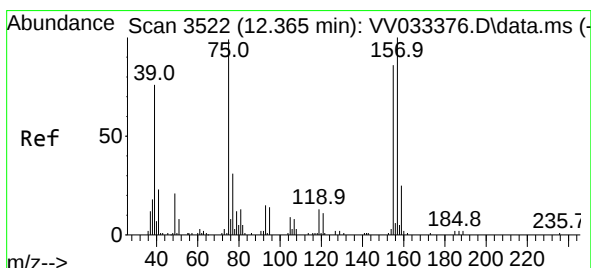
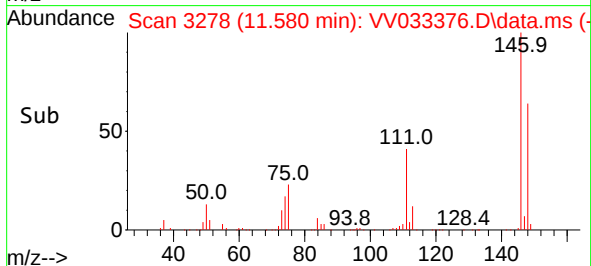
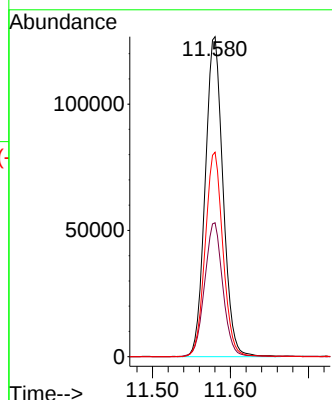
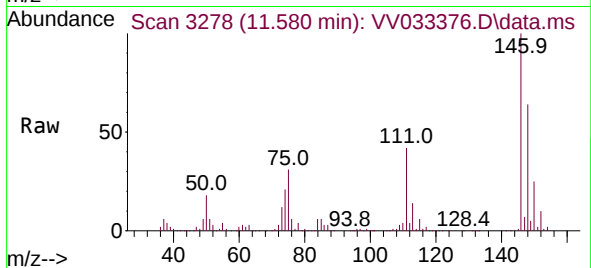
Tgt Ion:146 Resp: 201105

Ion Ratio Lower Upper

146 100

111 41.9 33.5 50.3

148 63.9 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 55.357 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV033376.D

Acq: 15 Dec 2023 14:14

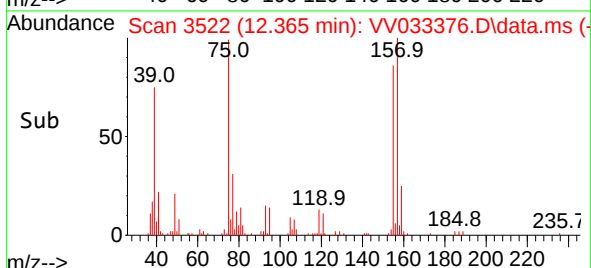
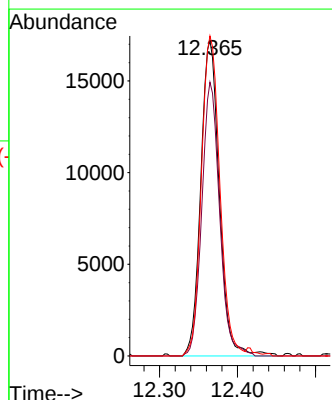
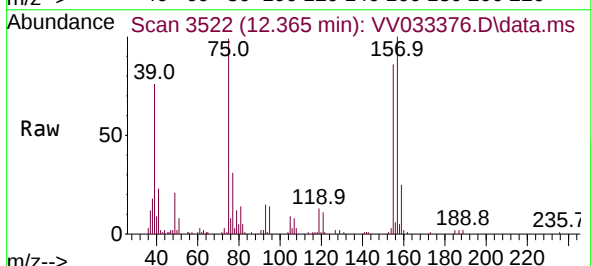
Tgt Ion: 75 Resp: 28464

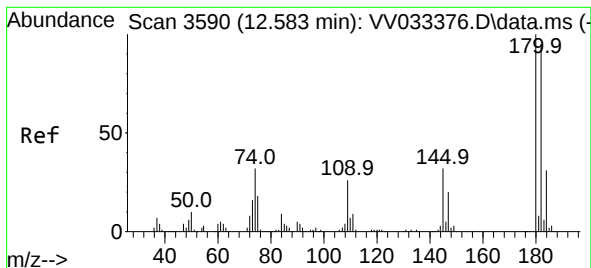
Ion Ratio Lower Upper

75 100

155 86.7 69.4 104.0

157 101.4 81.1 121.7





#69

1,3,5-Trichlorobenzene

Concen: 42.477 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

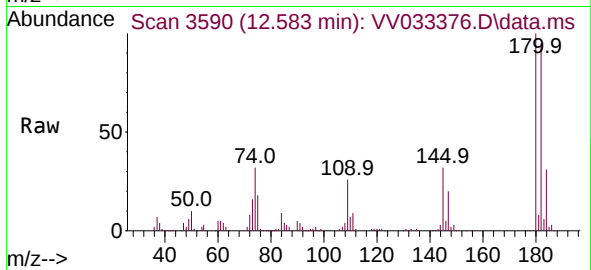
Lab File: VV033376.D

Acq: 15 Dec 2023 14:14

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 131683

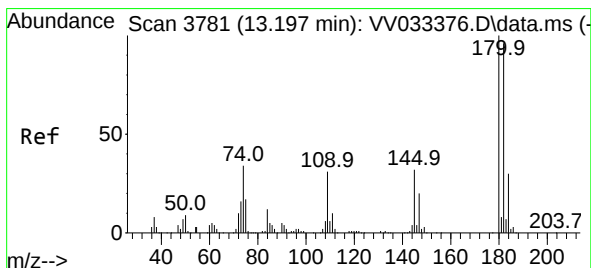
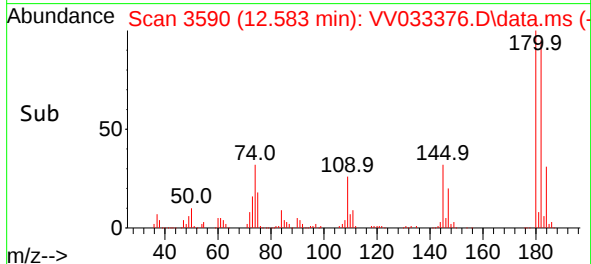
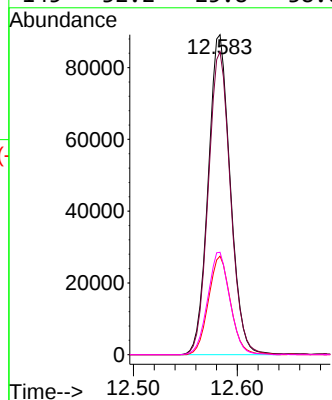
Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.4

184 30.5 24.4 36.6

145 32.2 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 40.209 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV033376.D

Acq: 15 Dec 2023 14:14

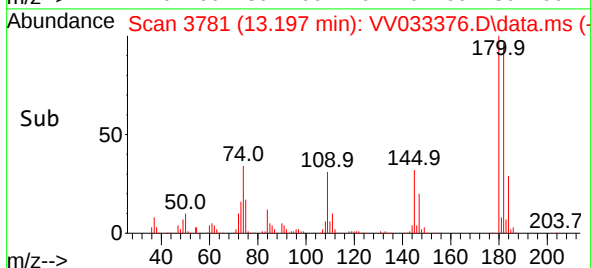
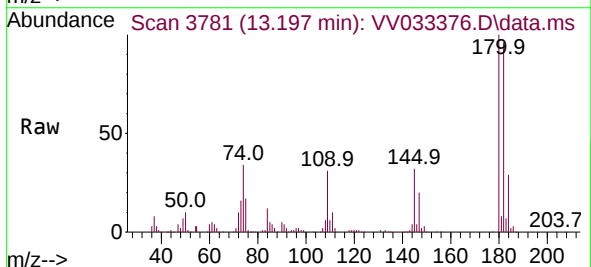
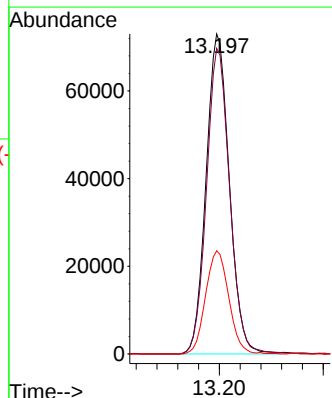
Tgt Ion:180 Resp: 113396

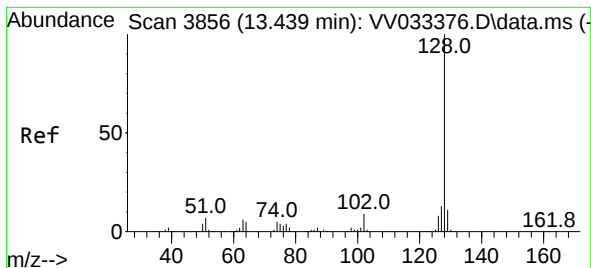
Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 32.0 25.6 38.4





#71

Naphthalene

Concen: 44.159 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV033376.D

Acq: 15 Dec 2023 14:14

Instrument :

MSVOA_V

ClientSampleId :

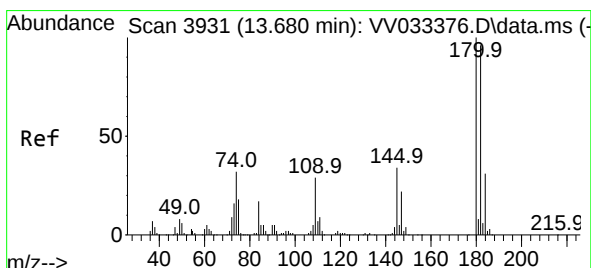
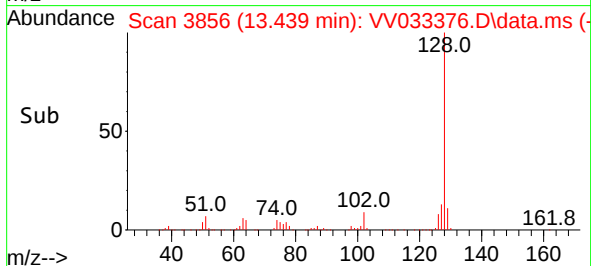
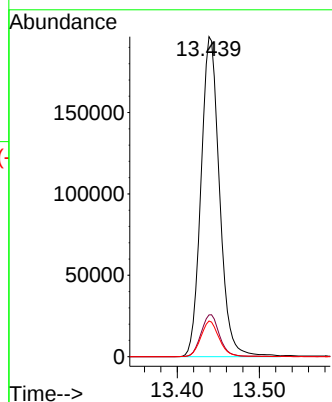
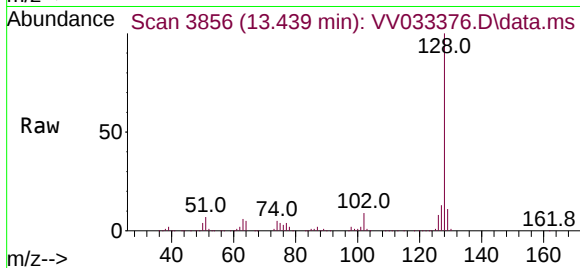
Tgt Ion:128 Resp: 308310

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.0 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 43.895 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033376.D

Acq: 15 Dec 2023 14:14

Tgt Ion:180 Resp: 120651

Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

145 33.9 27.1 40.7

