

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW103123\
 Data File : VW032788.D
 Acq On : 31 Oct 2023 09:58
 Operator : SY/MD
 Sample : VSTD100
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 01 05:13:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 01 05:10:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	379284	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	409216	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	236722	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	351773	136.048	ug/L	0.00
7) Chloroethane-d5	1.529	69	292675	132.695	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	143722	130.839	ug/L	0.00
21) 2-Butanone-d5	3.780	46	329446	167.550	ug/L	0.00
24) Chloroform-d	4.249	84	557278	110.469	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.941	65	351828	115.695	ug/L	0.00
32) Benzene-d6	4.960	84	1118188	104.472	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	329182	95.175	ug/L	0.00
41) Toluene-d8	7.243	98	1129995	113.084	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.551	79	185976	110.356	ug/L	0.00
47) 2-Hexanone-d5	8.024	63	276201	190.461	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	492360	98.770	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	461439	106.953	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	302285	94.823	ug/L	100
3) Chloromethane	1.217	50	288878	84.815	ug/L	99
5) Vinyl chloride	1.285	62	313170	92.032	ug/L	99
6) Bromomethane	1.481	94	216944	110.106	ug/L	97
8) Chloroethane	1.545	64	214432	99.800	ug/L	99
9) Trichlorofluoromethane	1.712	101	521009	114.757	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	297392	108.434	ug/L	99
12) 1,1-Dichloroethene	2.069	96	268282	107.428	ug/L	92
13) Acetone	2.111	43	458965	220.447	ug/L	99
14) Carbon disulfide	2.240	76	676508	88.734	ug/L	99
15) Methyl Acetate	2.372	43	253199	76.987	ug/L	98
16) Methylene chloride	2.446	84	298370	95.666	ug/L	100
17) trans-1,2-Dichloroethene	2.693	96	252250	91.937	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	818342	91.934	ug/L	99
19) 1,1-Dichloroethane	3.111	63	474539	89.717	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	291503	95.684	ug/L	99
22) 2-Butanone	3.860	43	430119	168.873	ug/L	98
23) Bromochloromethane	4.146	128	159790	102.558	ug/L	95
25) Chloroform	4.275	83	532487	99.704	ug/L	99
27) 1,2-Dichloroethane	5.040	62	406683	101.364	ug/L	99
29) Cyclohexane	4.584	56	389599	73.779	ug/L #	92
30) 1,1,1-Trichloroethane	4.513	97	465008	92.900	ug/L	99
31) Carbon tetrachloride	4.738	117	410067	94.432	ug/L	100
33) Benzene	5.011	78	1103143	87.985	ug/L	100
34) Trichloroethene	5.831	95	295112	85.331	ug/L	97
35) Methylcyclohexane	6.053	83	504321	90.970	ug/L	98
37) 1,2-Dichloropropane	6.095	63	304174	87.073	ug/L	100
38) Bromodichloromethane	6.433	83	435508	98.238	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	504754	94.214	ug/L	96
40) 4-Methyl-2-pentanone	7.156	43	754953	153.536	ug/L	99
42) Toluene	7.317	91	1298175	95.020	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	478200	95.022	ug/L	99

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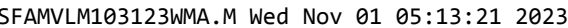
Instrument :
 MSVOA_V
 ClientSampleId :

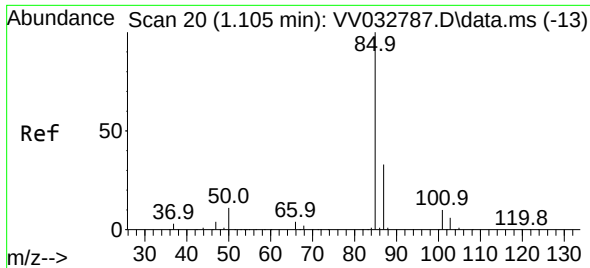
Quant Time: Nov 01 05:13:12 2023
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 Quant Title : VOC Analysis
 QLast Update : Wed Nov 01 05:10:30 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.770	97	319382	95.177	ug/L	98
46) Tetrachloroethene	7.905	164	254924	97.780	ug/L	98
48) 2-Hexanone	8.076	43	642849	164.080	ug/L	98
49) Dibromochloromethane	8.178	129	338616	101.131	ug/L	99
50) 1,2-Dibromoethane	8.281	107	339070	95.795	ug/L	99
51) Chlorobenzene	8.815	112	855072	96.361	ug/L	99
52) Ethylbenzene	8.947	91	1470158	96.875	ug/L	99
53) m,p-Xylene	9.072	106	564415	98.836	ug/L	99
54) o-Xylene	9.481	106	552399	98.985	ug/L	99
55) Styrene	9.497	104	987603	102.378	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	476620	92.398	ug/L	99
59) Bromoform	9.667	173	256516	99.386	ug/L	100
60) Isopropylbenzene	9.870	105	1522869	95.125	ug/L	100
61) 1,2,3-Trichloropropane	10.211	75	365678	83.612	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	1256763	96.045	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	1227766	95.599	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	731427	95.926	ug/L	100
65) 1,4-Dichlorobenzene	11.210	146	753263	97.402	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	737269	98.238	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	100257	83.620	ug/L	99
69) 1,3,5-Trichlorobenzene	12.583	180	536191	97.135	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	488673	95.838	ug/L	99
71) Naphthalene	13.439	128	1384154	84.995	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	506343	98.829	ug/L	99

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

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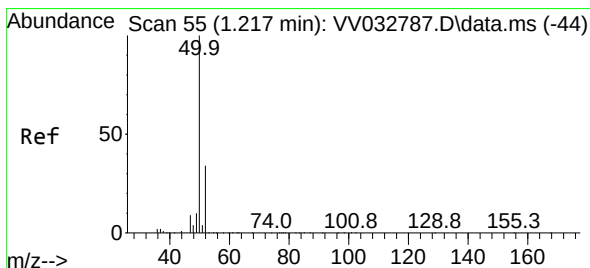
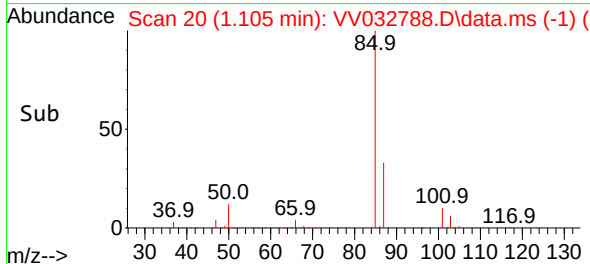
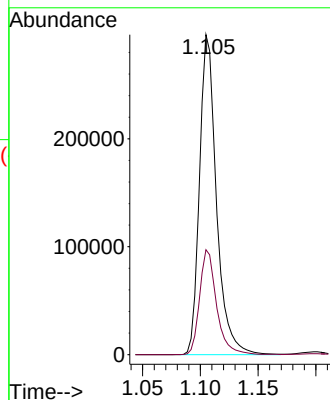
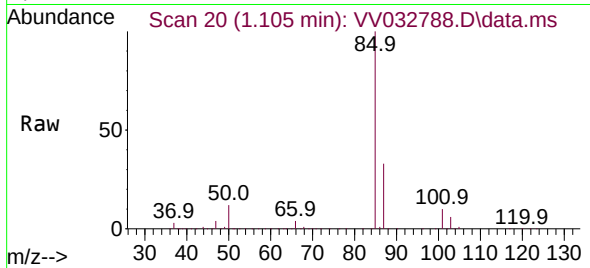




#2
 Dichlorodifluoromethane
 Concen: 94.823 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV032788.D
 Acq: 31 Oct 2023 09:58

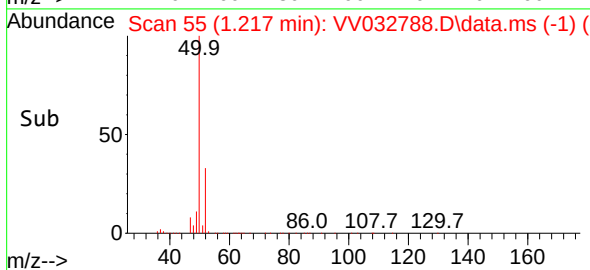
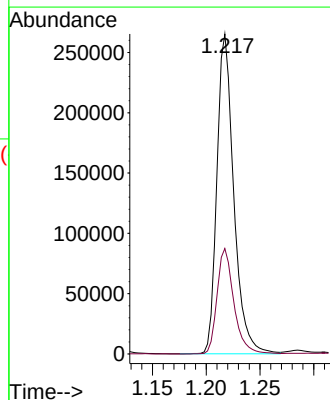
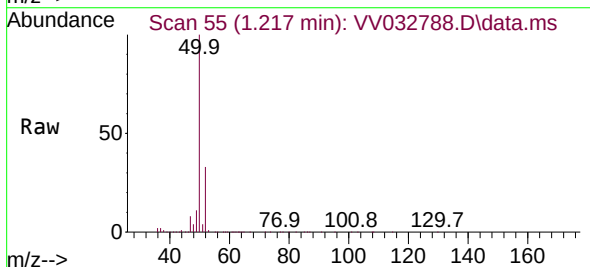
Instrument :
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 ClientSampleId :

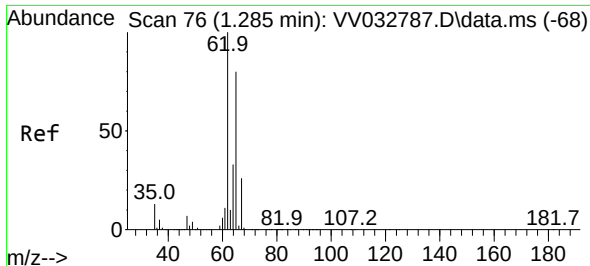
Tgt Ion: 85 Resp: 302285
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.2 39.4



#3
 Chloromethane
 Concen: 84.815 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV032788.D
 Acq: 31 Oct 2023 09:58

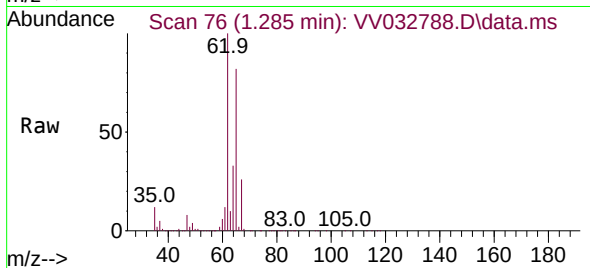
Tgt Ion: 50 Resp: 288878
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.5 43.7



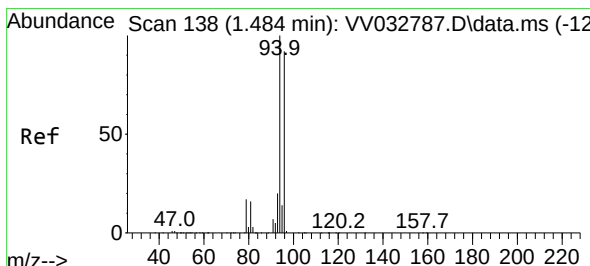
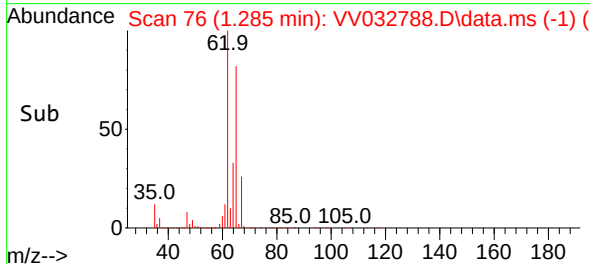
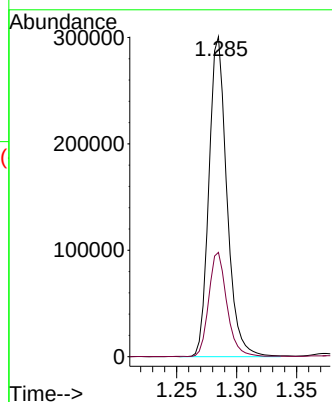


#5
 Vinyl chloride
 Concen: 92.032 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VV032788.D
 Acq: 31 Oct 2023 09:58

Instrument :
 MSVOA_V
 ClientSampleId :

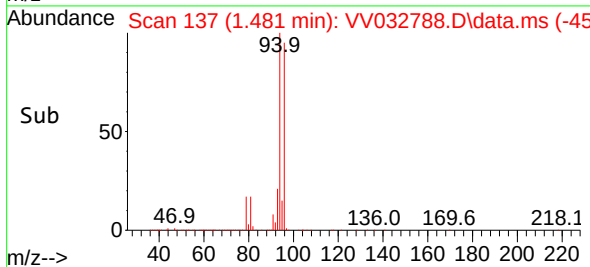
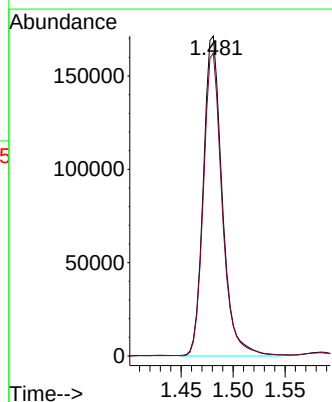
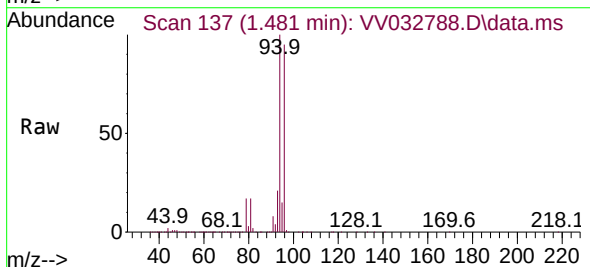


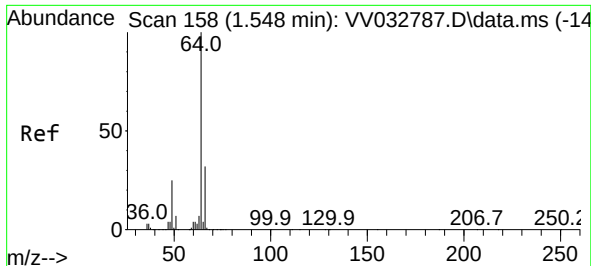
Tgt Ion: 62 Resp: 313170
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.2 43.0



#6
 Bromomethane
 Concen: 110.106 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. -0.003 min
 Lab File: VV032788.D
 Acq: 31 Oct 2023 09:58

Tgt Ion: 94 Resp: 216944
 Ion Ratio Lower Upper
 94 100
 96 94.7 64.2 119.2

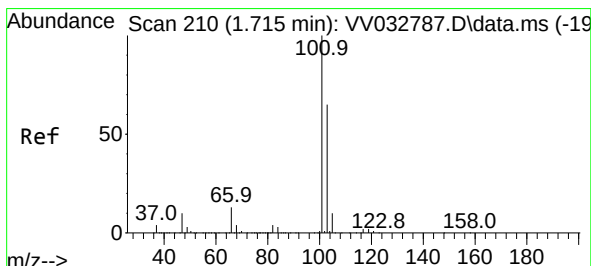
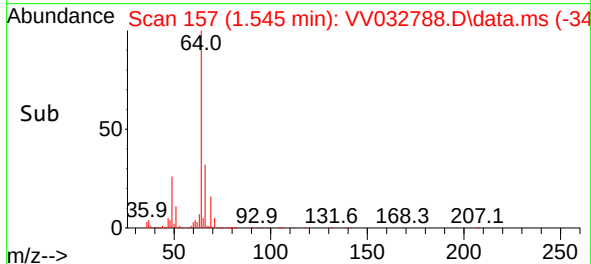
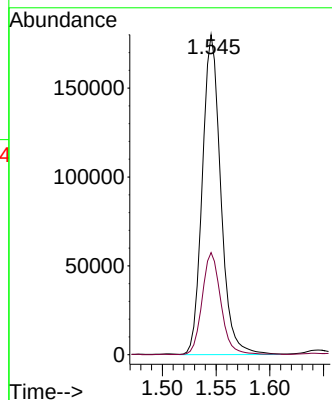
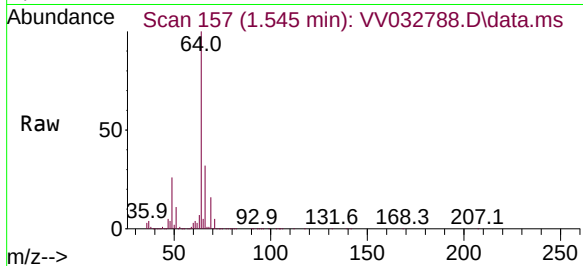




#8
Chloroethane
Concen: 99.800 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV032788.D
Acq: 31 Oct 2023 09:58

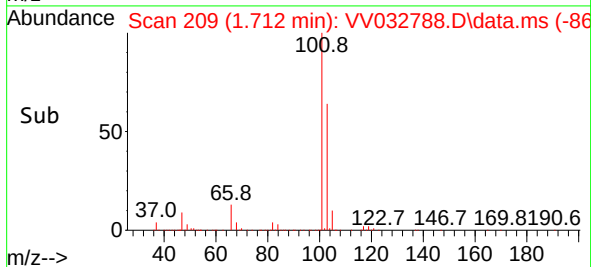
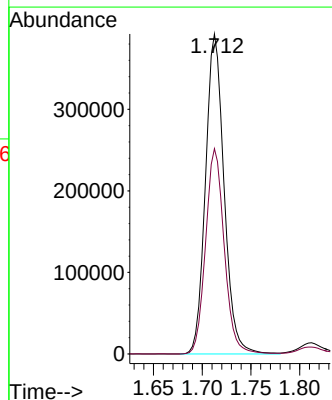
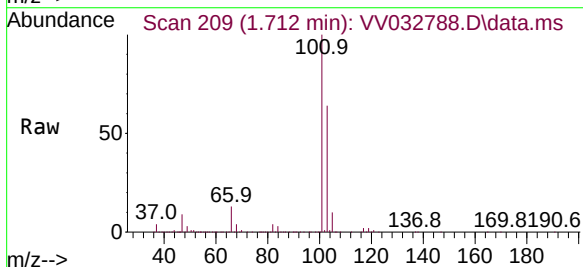
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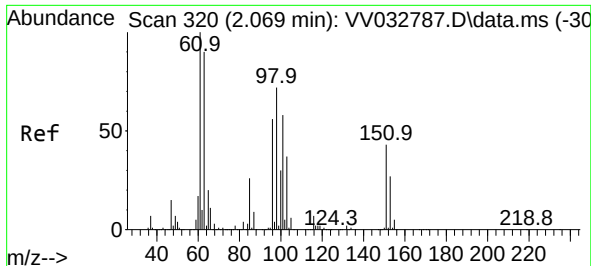
Tgt Ion: 64 Resp: 214432
Ion Ratio Lower Upper
64 100
66 31.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 114.757 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV032788.D
Acq: 31 Oct 2023 09:58

Tgt Ion:101 Resp: 521009
Ion Ratio Lower Upper
101 100
103 64.3 51.7 77.5

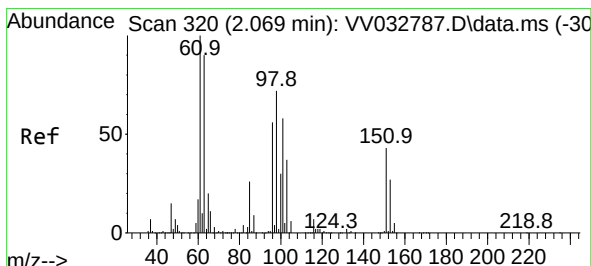
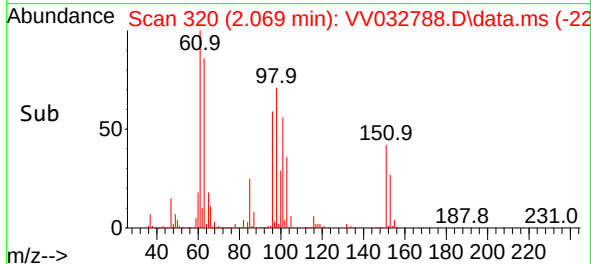
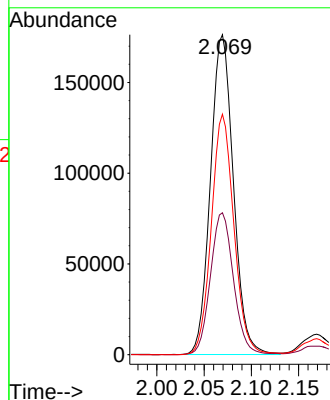
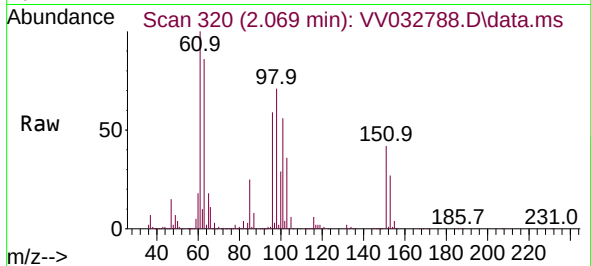




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 108.434 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV032788.D
 Acq: 31 Oct 2023 09:58

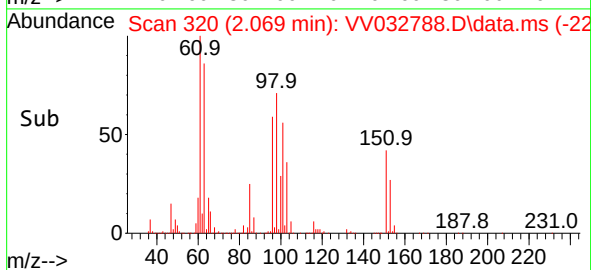
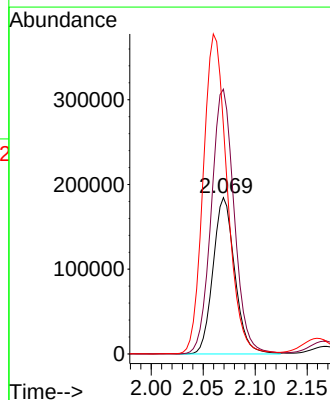
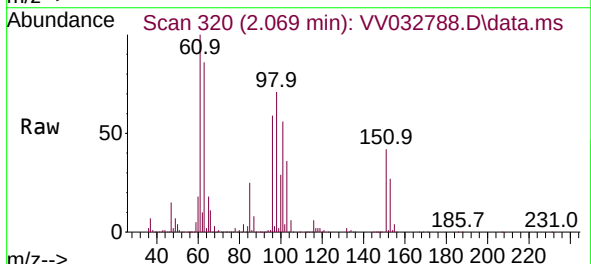
Instrument :
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 ClientSampleId :

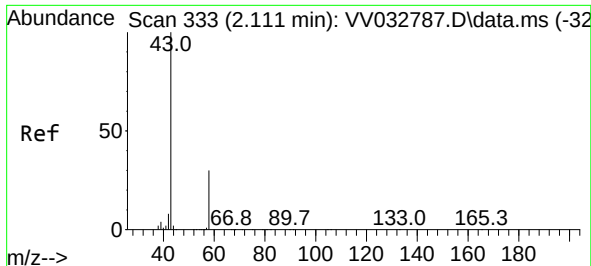
Tgt Ion:101 Resp: 297392
 Ion Ratio Lower Upper
 101 100
 85 44.7 35.6 53.4
 151 74.3 59.9 89.9



#12
 1,1-Dichloroethene
 Concen: 107.428 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV032788.D
 Acq: 31 Oct 2023 09:58

Tgt Ion: 96 Resp: 268282
 Ion Ratio Lower Upper
 96 100
 61 169.3 124.2 230.6
 63 146.2 111.8 207.6





#13

Acetone

Concen: 220.447 ug/L

RT: 2.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

Instrument :

MSVOA_V

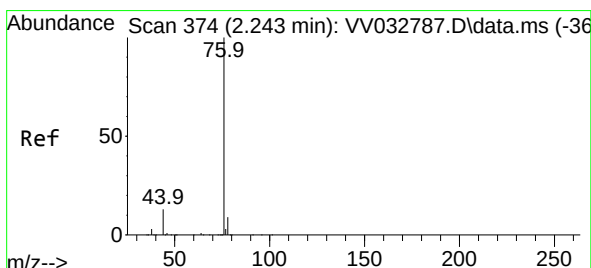
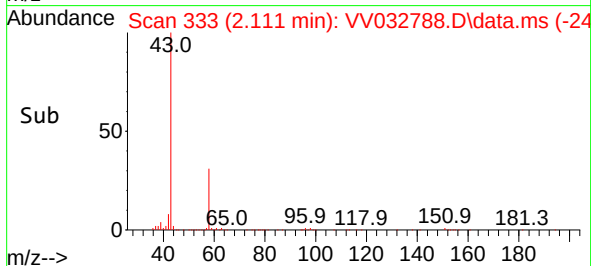
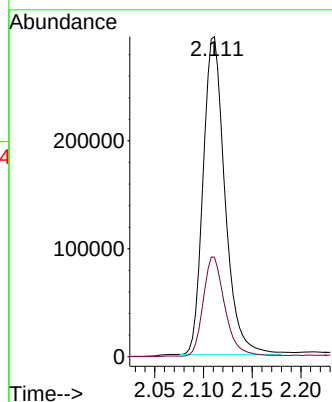
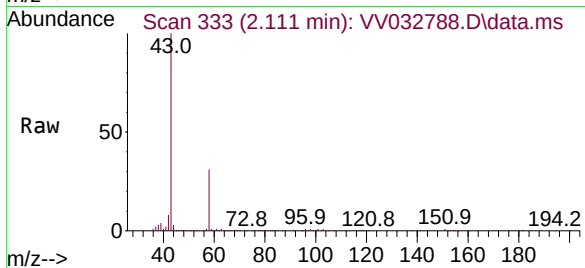
ClientSampleId :

Tgt Ion: 43 Resp: 458965

Ion Ratio Lower Upper

43 100

58 30.9 0.0 61.2



#14

Carbon disulfide

Concen: 88.734 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV032788.D

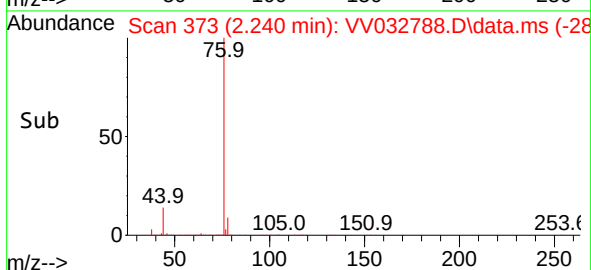
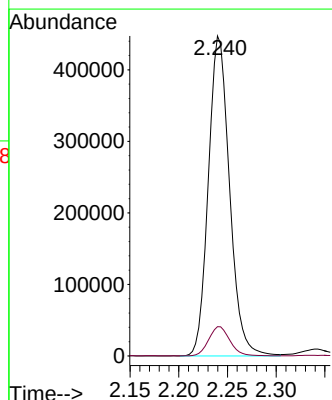
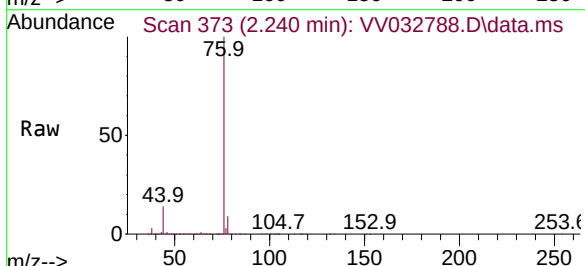
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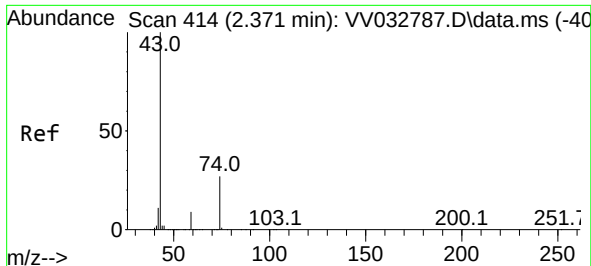
Tgt Ion: 76 Resp: 676508

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4

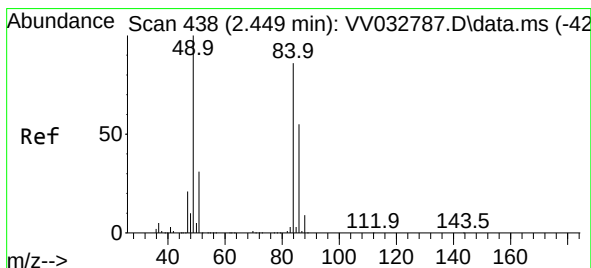
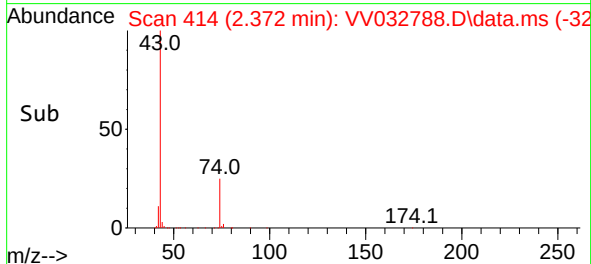
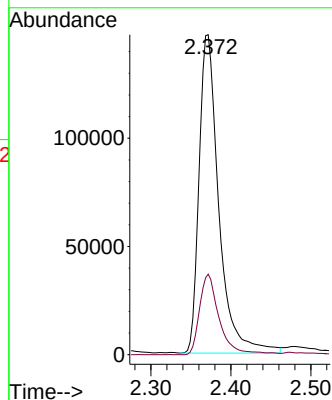
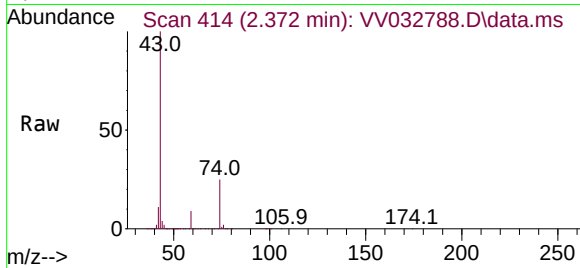




#15
Methyl Acetate
Concen: 76.987 ug/L
RT: 2.372 min Scan# 414
Delta R.T. 0.000 min
Lab File: VV032788.D
Acq: 31 Oct 2023 09:58

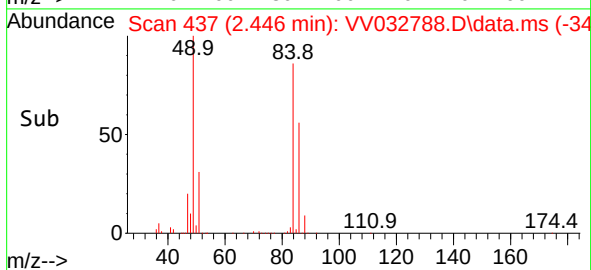
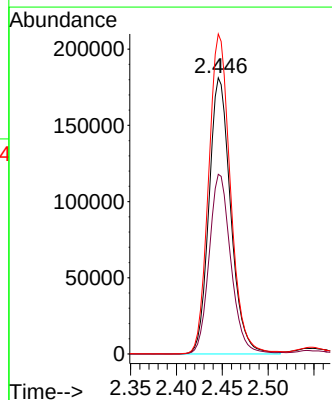
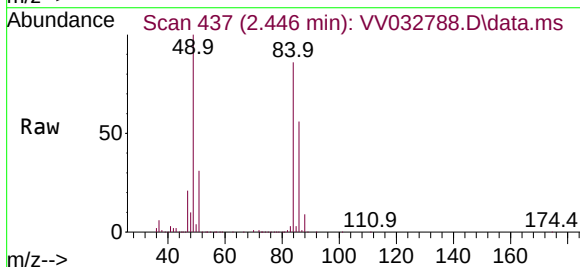
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MSVOA_V
ClientSampleId :

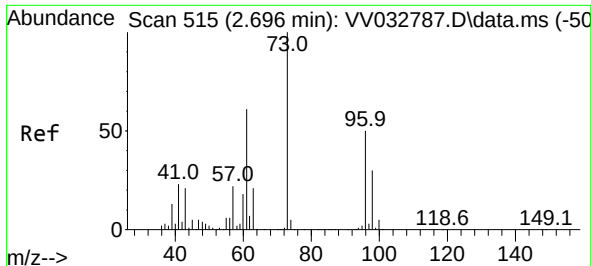
Tgt Ion: 43 Resp: 253199
Ion Ratio Lower Upper
43 100
74 24.9 20.6 30.8



#16
Methylene chloride
Concen: 95.666 ug/L
RT: 2.446 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV032788.D
Acq: 31 Oct 2023 09:58

Tgt Ion: 84 Resp: 298370
Ion Ratio Lower Upper
84 100
86 65.1 45.0 83.6
49 115.9 81.2 150.8

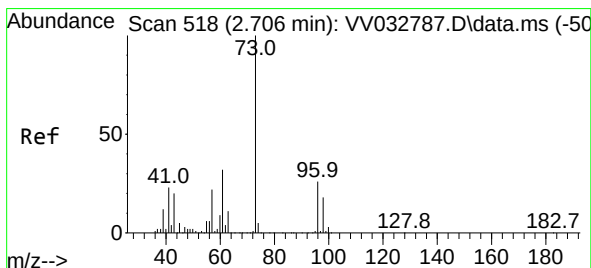
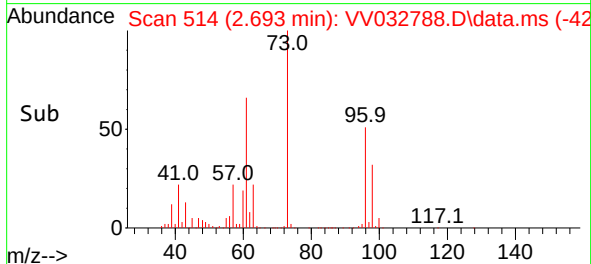
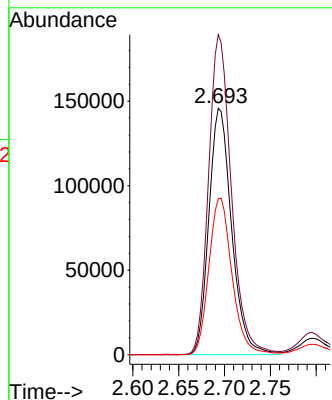
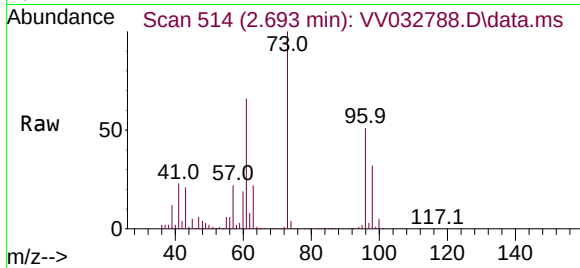




#17
trans-1,2-Dichloroethene
Concen: 91.937 ug/L
RT: 2.693 min Scan# 515
Delta R.T. -0.003 min
Lab File: VV032788.D
Acq: 31 Oct 2023 09:58

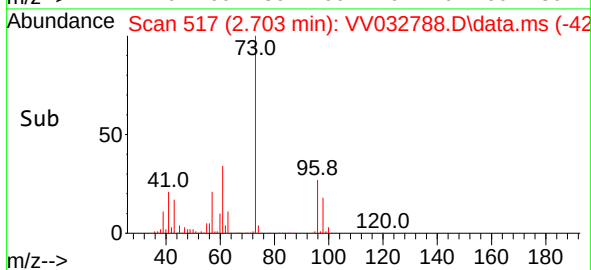
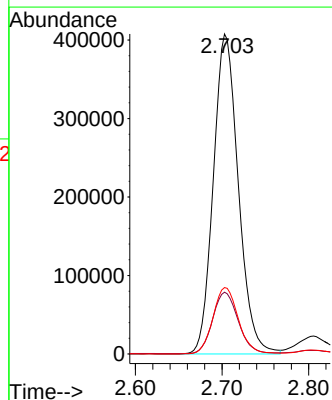
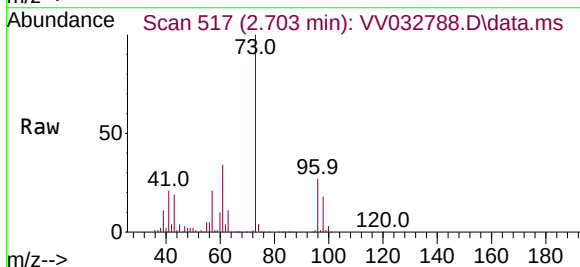
Instrument :
MSVOA_V
ClientSampleId :

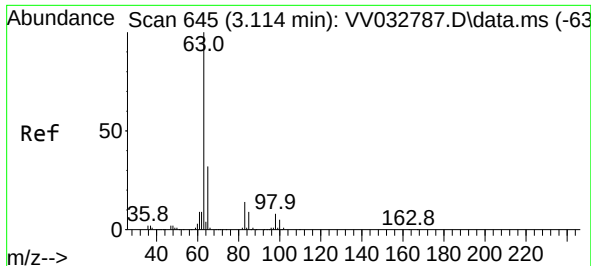
Tgt Ion: 96 Resp: 252250
Ion Ratio Lower Upper
96 100
61 129.8 86.9 161.3
98 63.3 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 91.934 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.003 min
Lab File: VV032788.D
Acq: 31 Oct 2023 09:58

Tgt Ion: 73 Resp: 818342
Ion Ratio Lower Upper
73 100
43 19.6 16.1 24.1
57 21.0 17.4 26.0





#19

1,1-Dichloroethane

Concen: 89.717 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

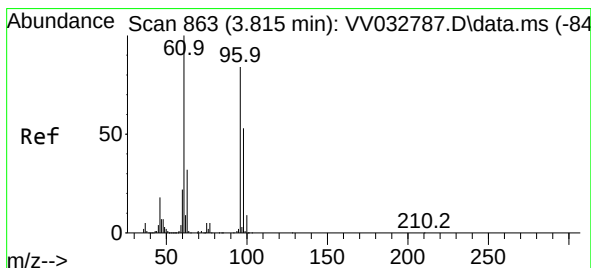
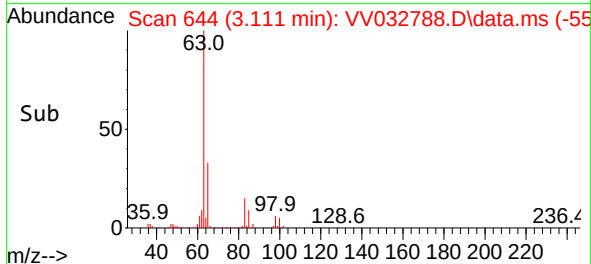
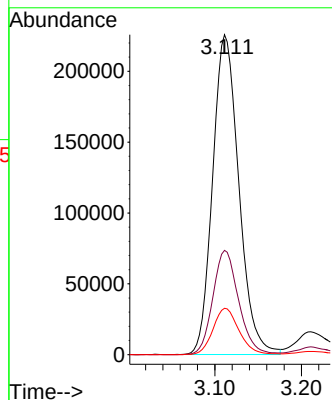
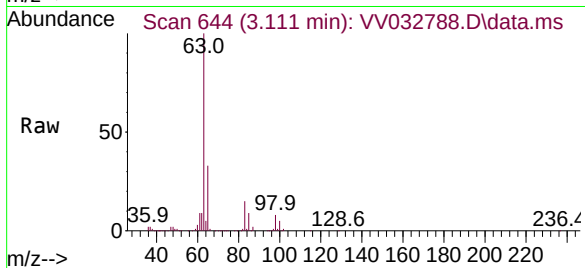
Tgt Ion: 63 Resp: 474539

Ion Ratio Lower Upper

63 100

65 32.6 22.3 41.5

83 14.5 10.1 18.7



#20

cis-1,2-Dichloroethene

Concen: 95.684 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.000 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

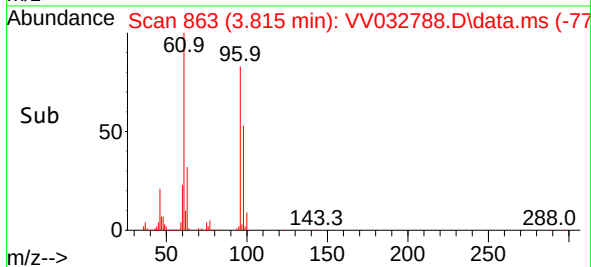
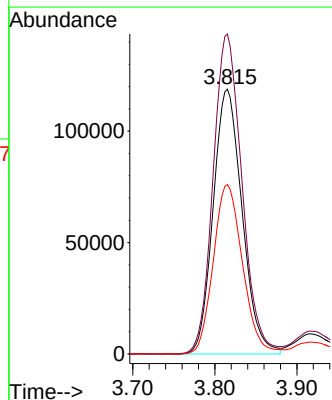
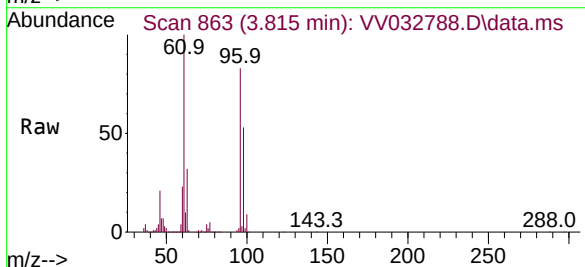
Tgt Ion: 96 Resp: 291503

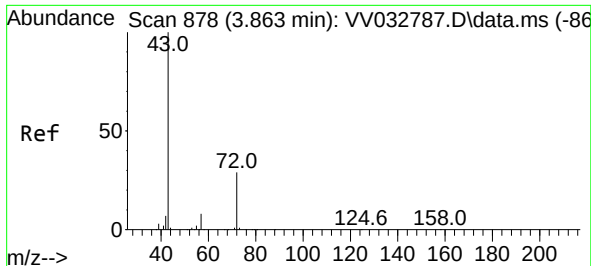
Ion Ratio Lower Upper

96 100

61 120.8 83.3 154.7

98 64.0 44.2 82.2

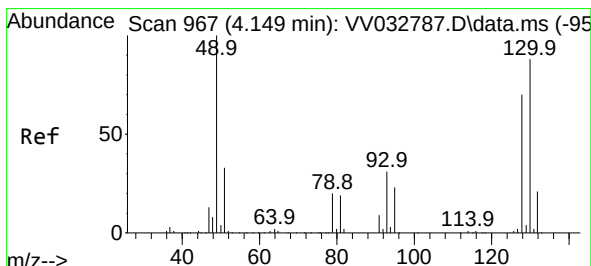
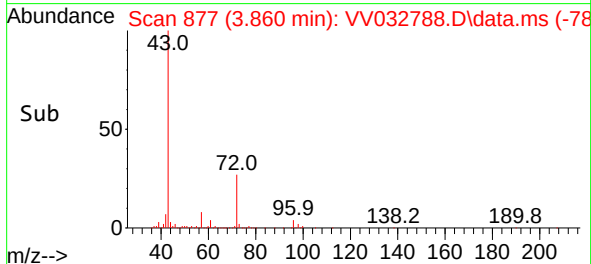
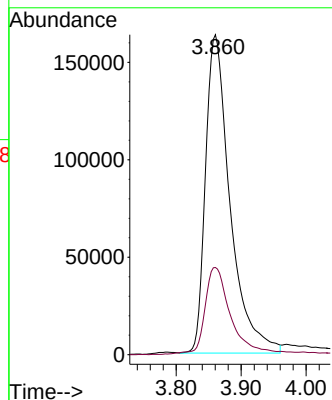
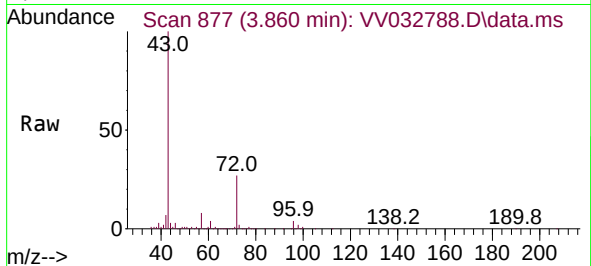




#22
2-Butanone
Concen: 168.873 ug/L
RT: 3.860 min Scan# 81
Delta R.T. -0.003 min
Lab File: VV032788.D
Acq: 31 Oct 2023 09:58

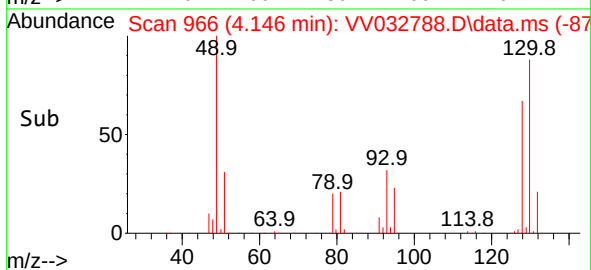
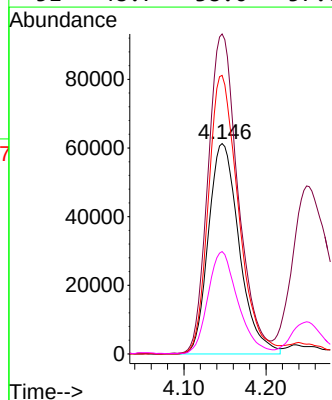
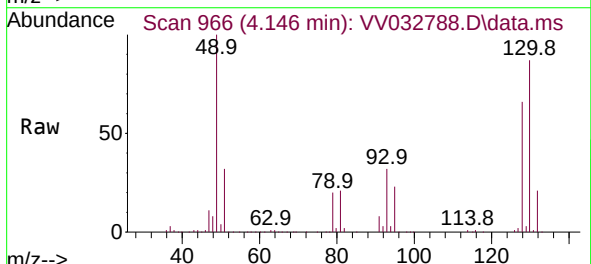
Instrument :
MSVOA_V
ClientSampleId :

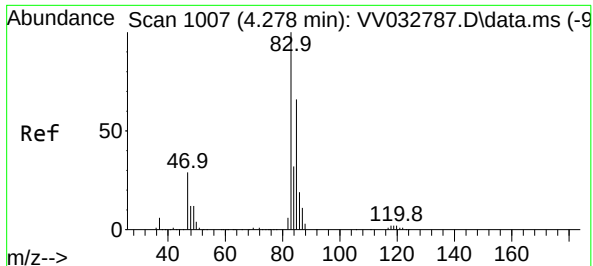
Tgt Ion: 43 Resp: 430119
Ion Ratio Lower Upper
43 100
72 28.0 13.5 40.4



#23
Bromochloromethane
Concen: 102.558 ug/L
RT: 4.146 min Scan# 966
Delta R.T. -0.003 min
Lab File: VV032788.D
Acq: 31 Oct 2023 09:58

Tgt Ion:128 Resp: 159790
Ion Ratio Lower Upper
128 100
49 152.0 101.0 187.6
130 132.3 88.5 164.4
51 48.7 38.0 57.0





#25

Chloroform

Concen: 99.704 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. -0.003 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

Instrument :

MSVOA_V

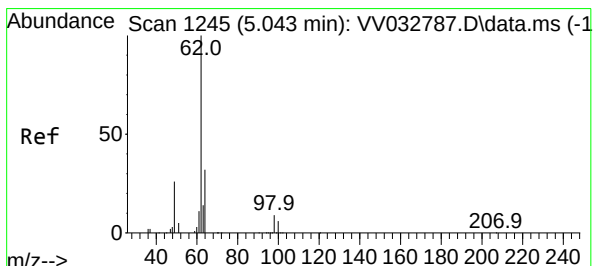
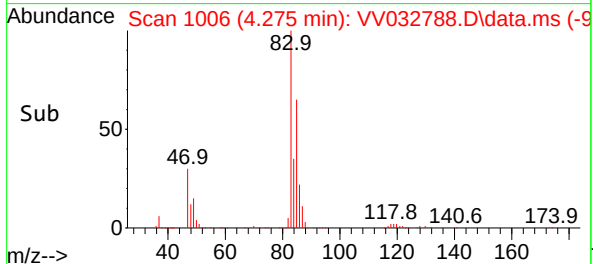
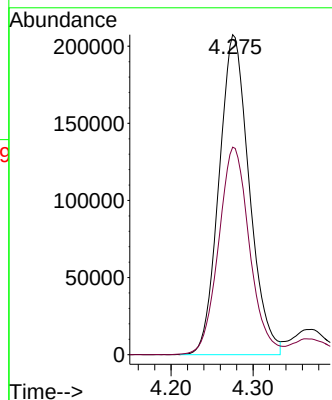
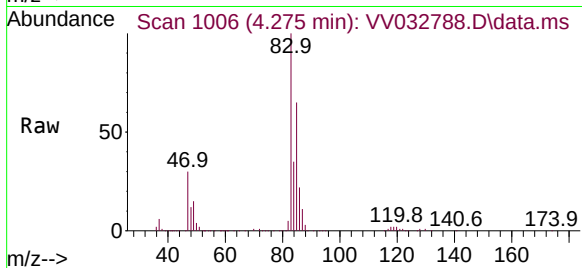
ClientSampleId :

Tgt Ion: 83 Resp: 532487

Ion Ratio Lower Upper

83 100

85 64.9 46.2 85.8



#27

1,2-Dichloroethane

Concen: 101.364 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. -0.003 min

Lab File: VV032788.D

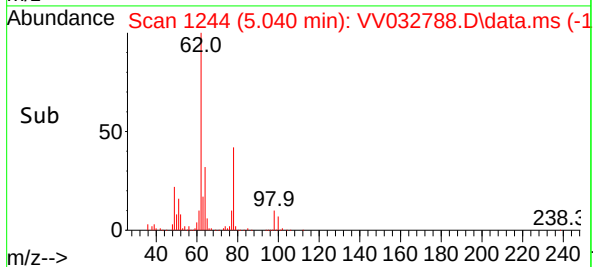
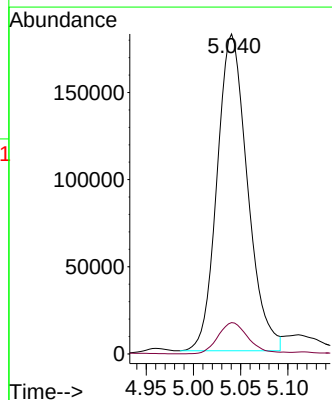
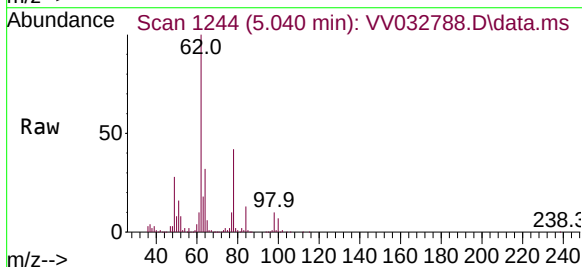
Acq: 31 Oct 2023 09:58

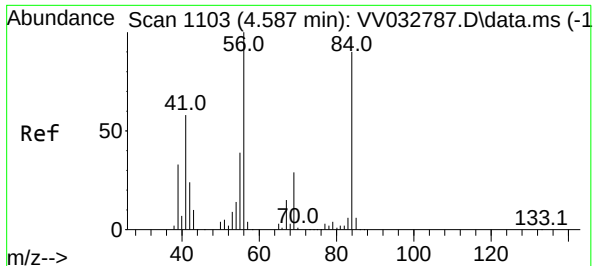
Tgt Ion: 62 Resp: 406683

Ion Ratio Lower Upper

62 100

98 9.8 7.5 11.3





#29

Cyclohexane

Concen: 73.779 ug/L

RT: 4.584 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

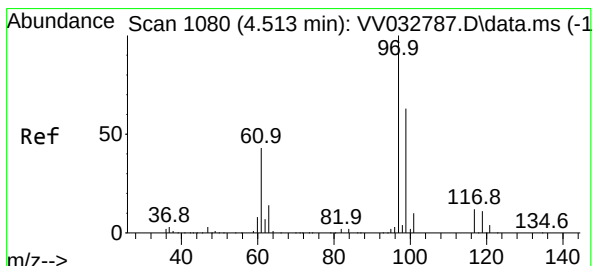
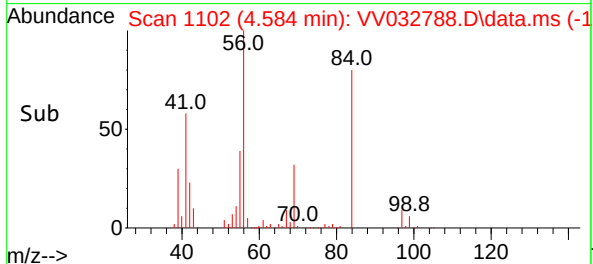
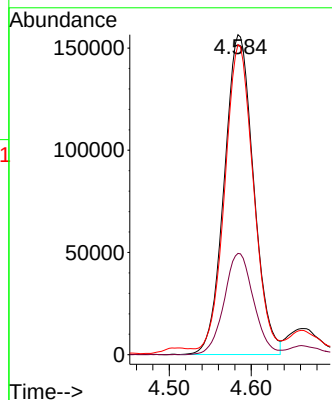
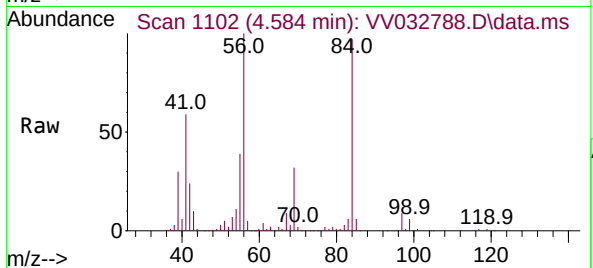
Tgt Ion: 56 Resp: 389599

Ion Ratio Lower Upper

56 100

69 31.7 13.4 20.0#

84 91.5 75.3 112.9



#30

1,1,1-Trichloroethane

Concen: 92.900 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

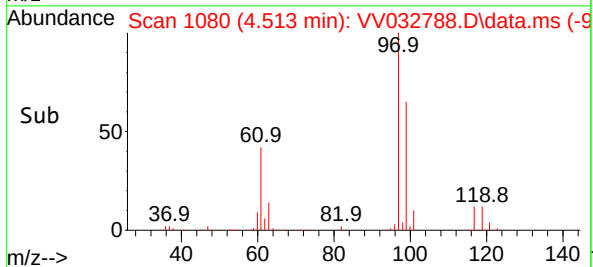
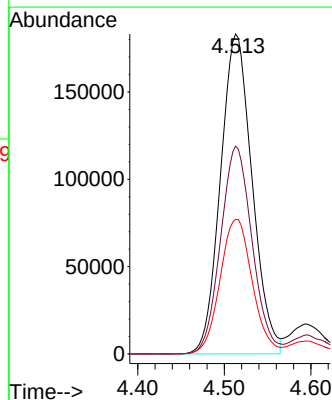
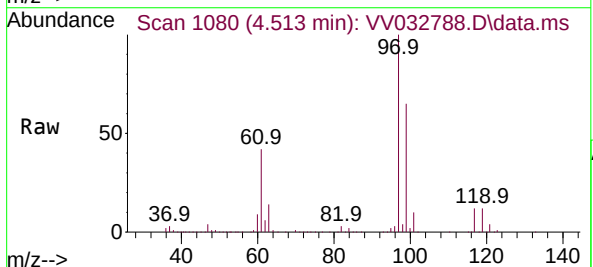
Tgt Ion: 97 Resp: 465008

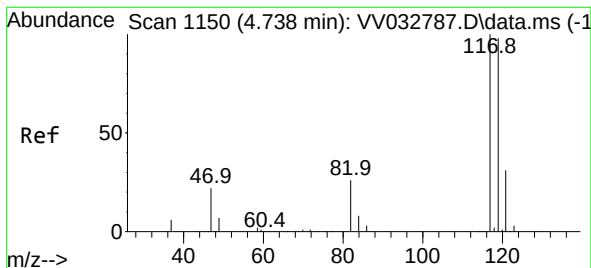
Ion Ratio Lower Upper

97 100

99 65.1 51.8 77.6

61 42.7 34.8 52.2





#31

Carbon tetrachloride

Concen: 94.432 ug/L

RT: 4.738 min Scan# 1150

Delta R.T. 0.000 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

Instrument :

MSVOA_V

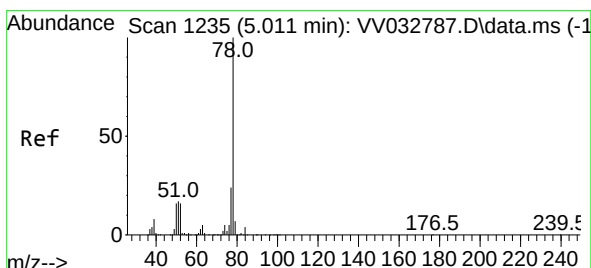
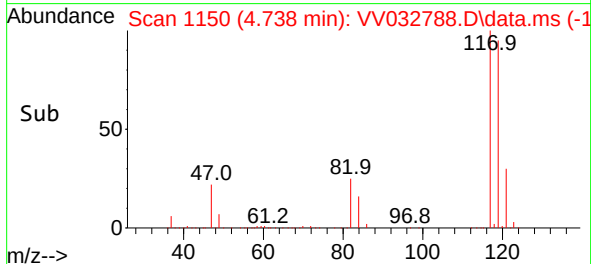
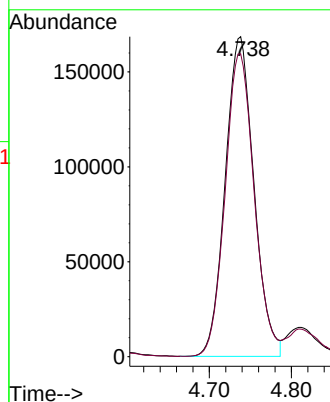
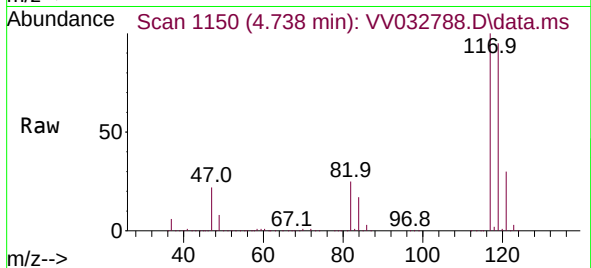
ClientSampleId :

Tgt Ion:117 Resp: 410067

Ion Ratio Lower Upper

117 100

119 96.0 76.6 115.0



#33

Benzene

Concen: 87.985 ug/L

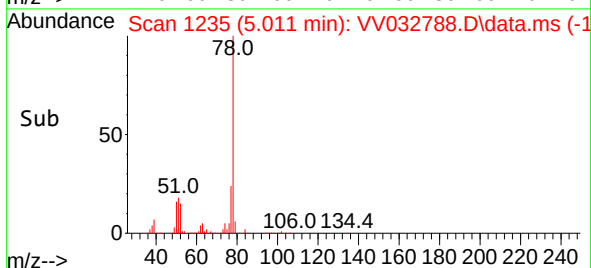
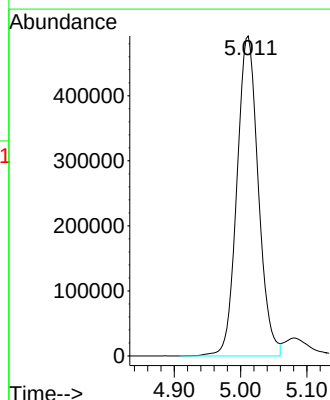
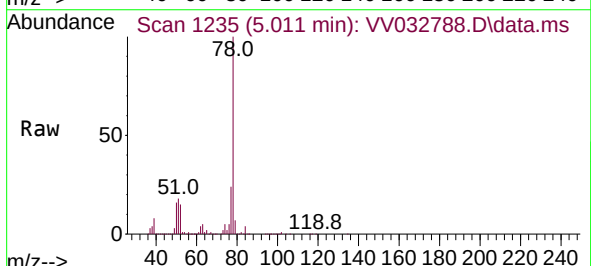
RT: 5.011 min Scan# 1235

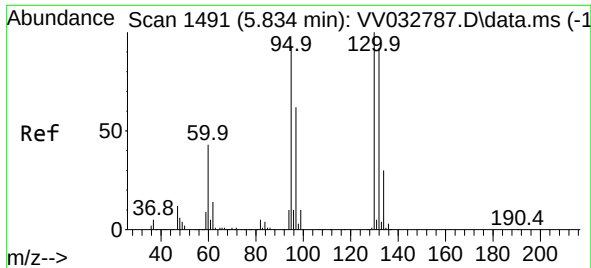
Delta R.T. 0.000 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

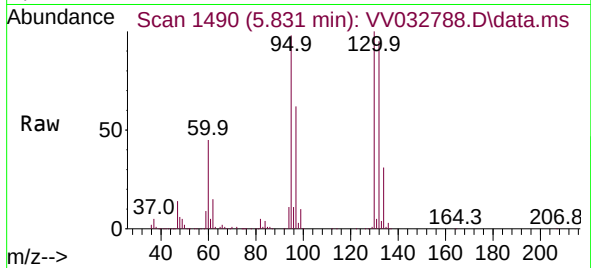
Tgt Ion: 78 Resp: 1103143





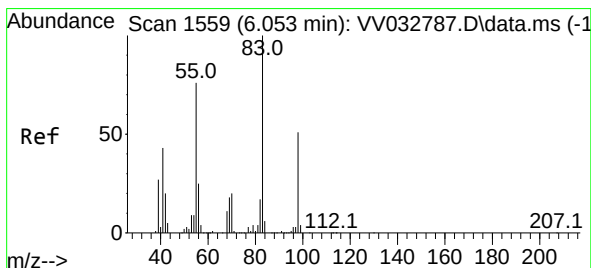
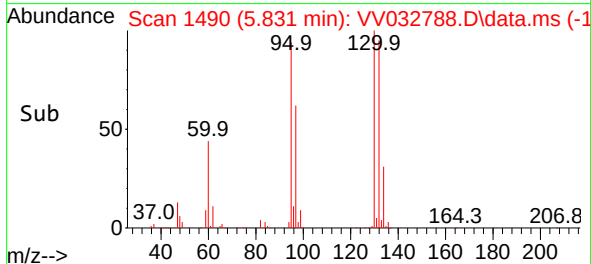
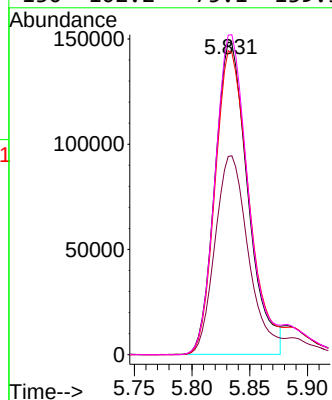
#34
Trichloroethene
Concen: 85.331 ug/L
RT: 5.831 min Scan# 1491
Delta R.T. -0.003 min
Lab File: VV032788.D
Acq: 31 Oct 2023 09:58

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 95 Resp: 295112

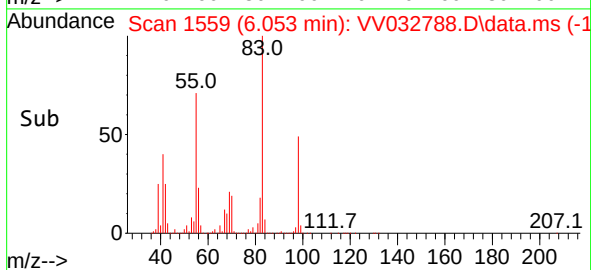
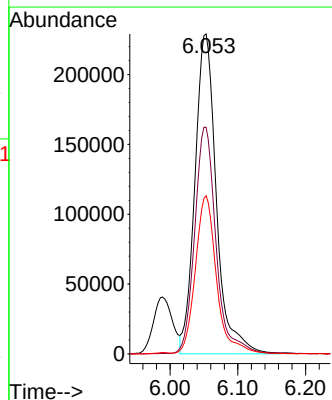
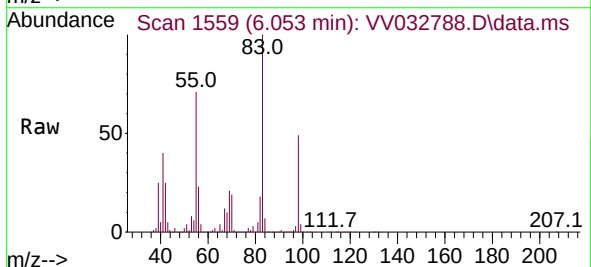
Ion	Ratio	Lower	Upper
95	100		
97	63.4	46.3	85.9
132	97.2	69.0	128.2
130	102.2	75.1	139.5

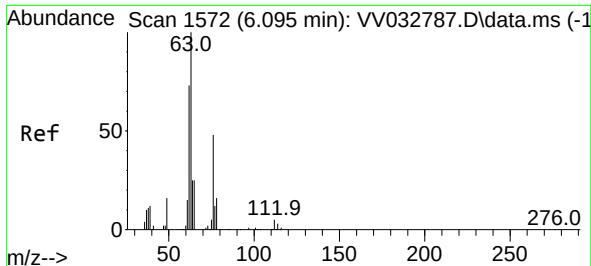


#35
Methylcyclohexane
Concen: 90.970 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. 0.000 min
Lab File: VV032788.D
Acq: 31 Oct 2023 09:58

Tgt Ion: 83 Resp: 504321

Ion	Ratio	Lower	Upper
83	100		
55	70.1	57.8	86.8
98	48.3	39.4	59.2





#37

1,2-Dichloropropane

Concen: 87.073 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

Instrument :

MSVOA_V

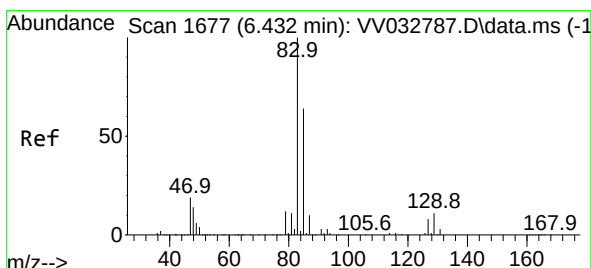
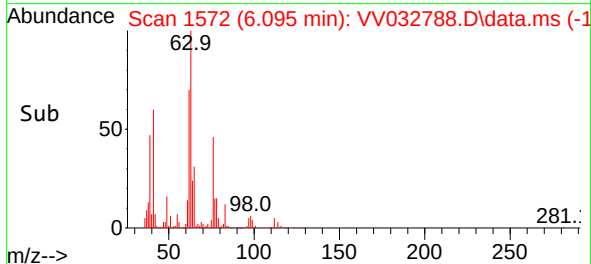
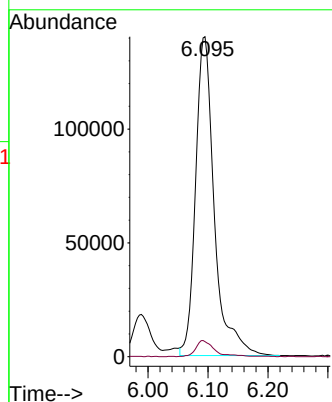
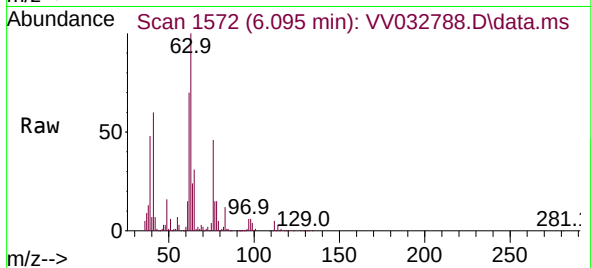
ClientSampleId :

Tgt Ion: 63 Resp: 304174

Ion Ratio Lower Upper

63 100

112 5.1 4.1 6.1



#38

Bromodichloromethane

Concen: 98.238 ug/L

RT: 6.433 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

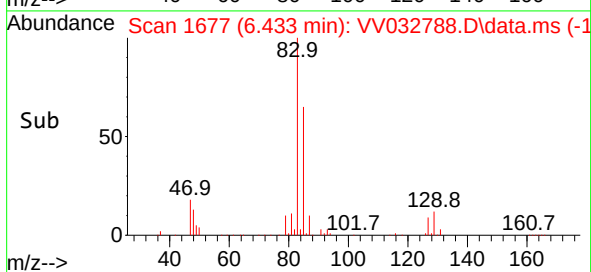
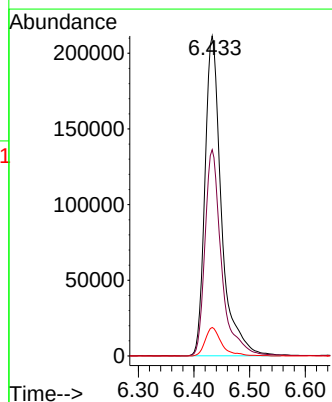
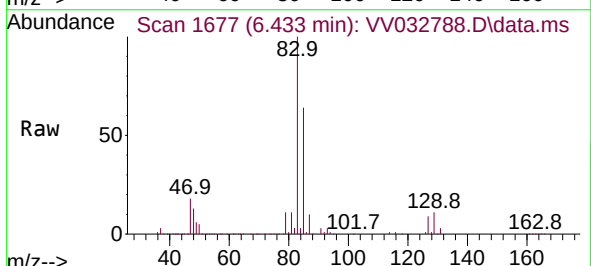
Tgt Ion: 83 Resp: 435508

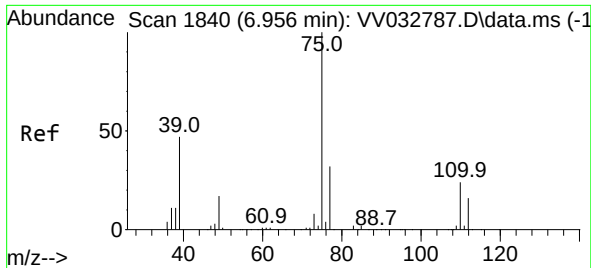
Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.9

127 8.9 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 94.214 ug/L

RT: 6.953 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

Instrument :

MSVOA_V

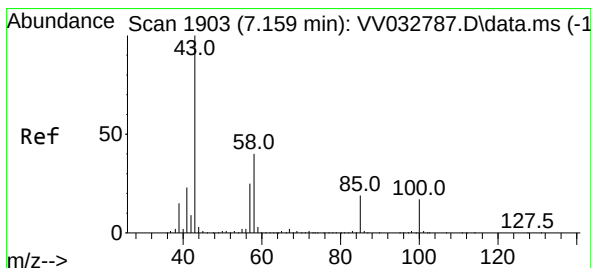
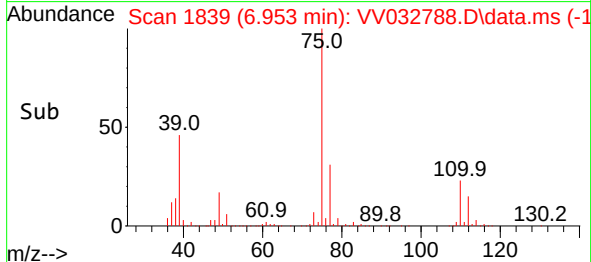
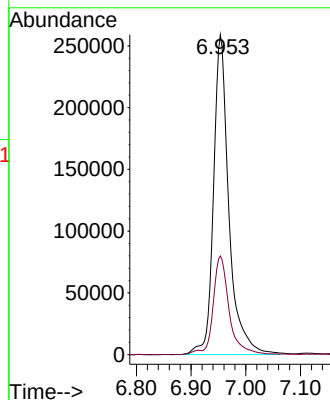
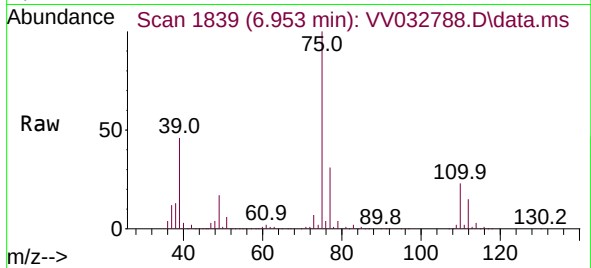
ClientSampleId :

Tgt Ion: 75 Resp: 504754

Ion Ratio Lower Upper

75 100

77 30.8 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 153.536 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.003 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

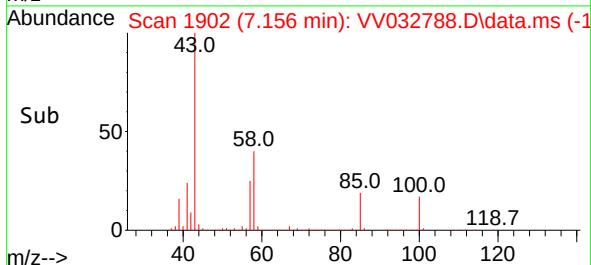
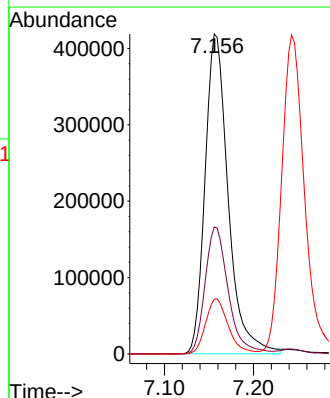
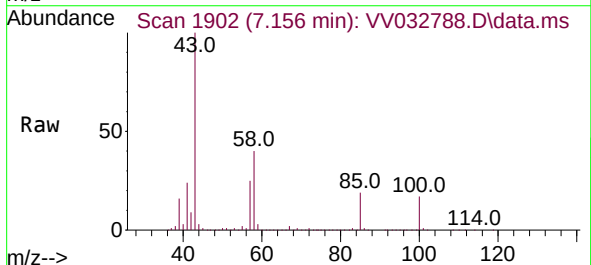
Tgt Ion: 43 Resp: 754953

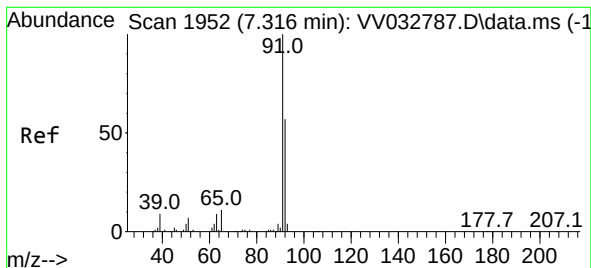
Ion Ratio Lower Upper

43 100

58 39.9 31.4 47.0

100 16.9 13.3 19.9





#42

Toluene

Concen: 95.020 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

Instrument :

MSVOA_V

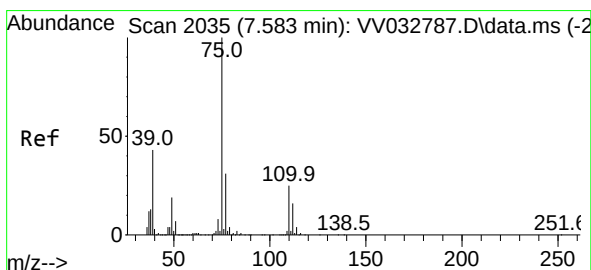
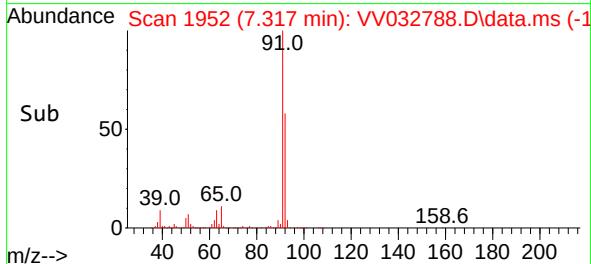
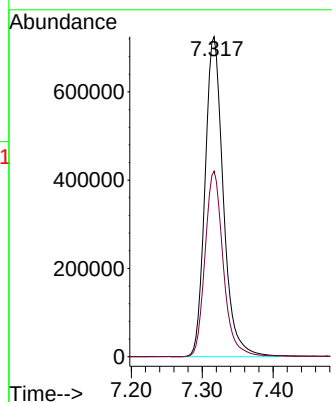
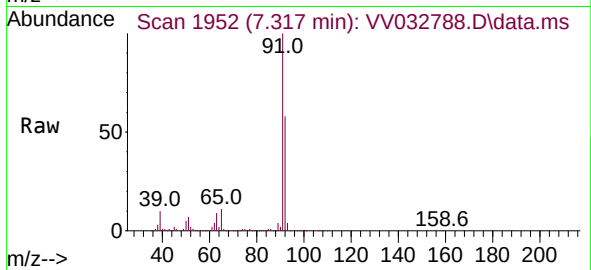
ClientSampleId :

Tgt Ion: 91 Resp: 1298175

Ion Ratio Lower Upper

91 100

92 58.0 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 95.022 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. -0.003 min

Lab File: VV032788.D

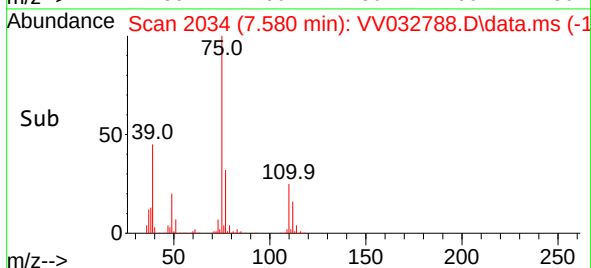
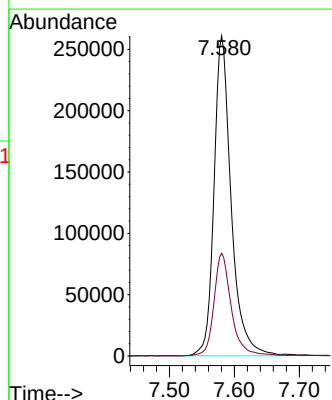
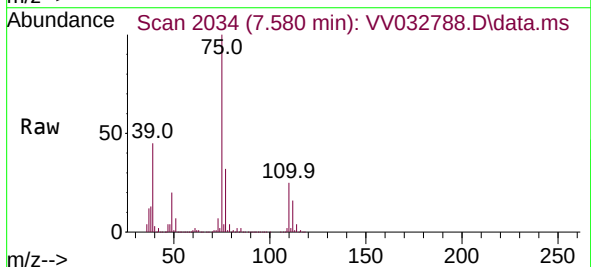
Acq: 31 Oct 2023 09:58

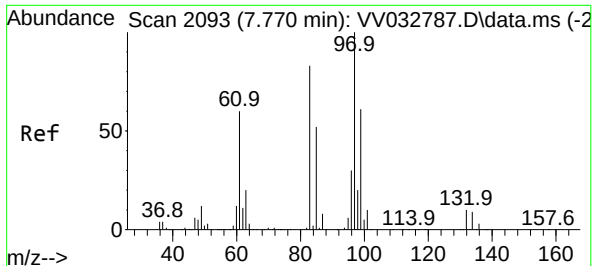
Tgt Ion: 75 Resp: 478200

Ion Ratio Lower Upper

75 100

77 32.1 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 95.177 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. 0.000 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 319382

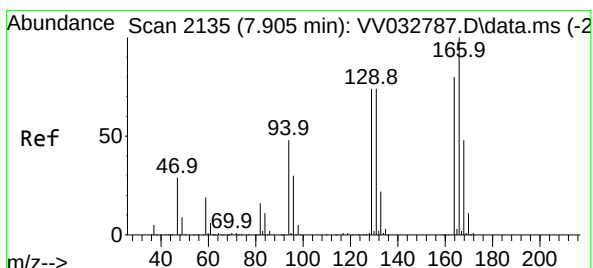
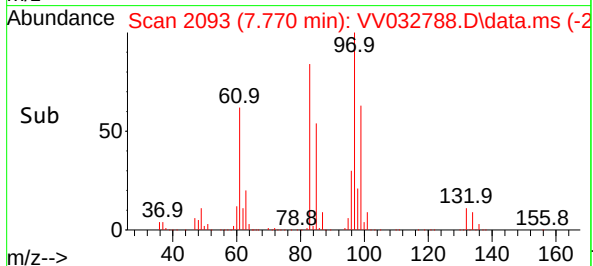
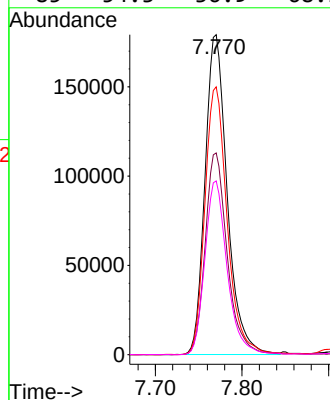
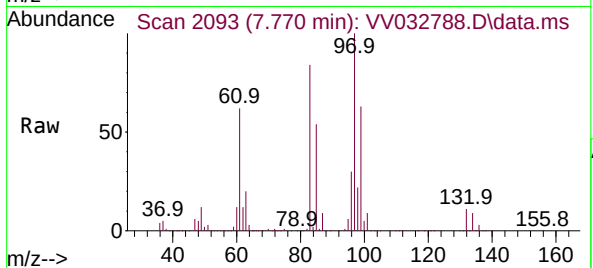
Ion Ratio Lower Upper

97 100

99 63.1 42.8 79.6

83 83.7 58.4 108.4

85 54.3 36.9 68.5



#46

Tetrachloroethene

Concen: 97.780 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

Tgt Ion:164 Resp: 254924

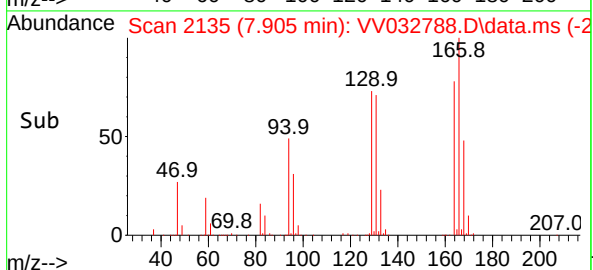
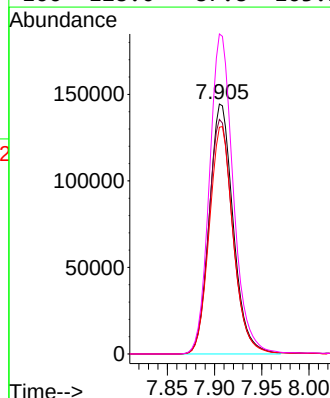
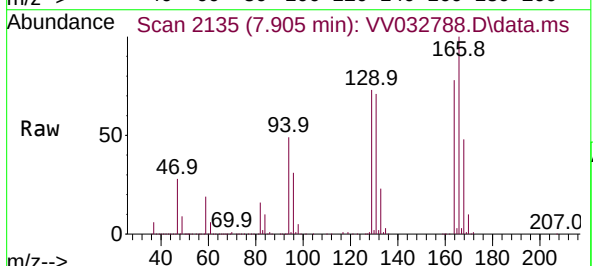
Ion Ratio Lower Upper

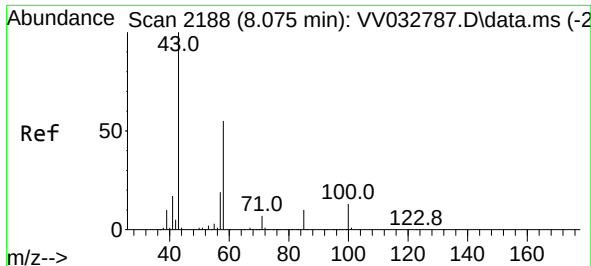
164 100

129 93.8 65.3 121.3

131 90.7 65.0 120.8

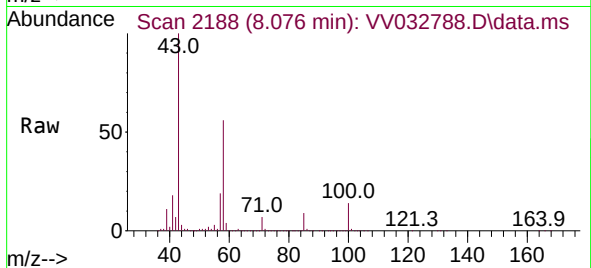
166 128.0 87.8 163.2





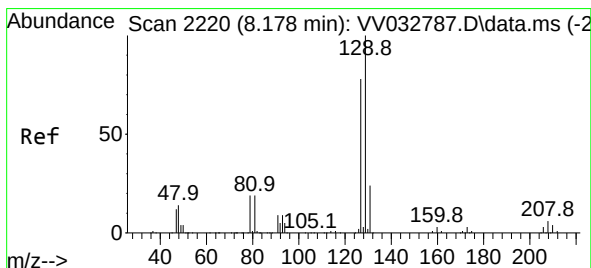
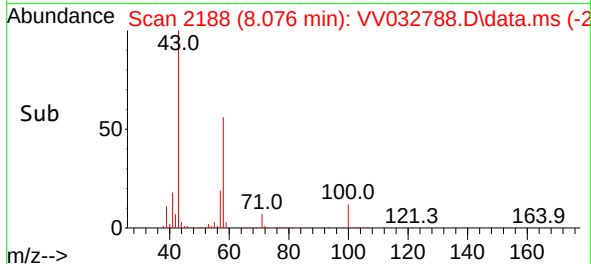
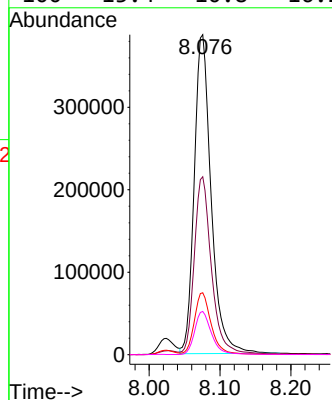
#48
2-Hexanone
Concen: 164.080 ug/L
RT: 8.076 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VV032788.D
Acq: 31 Oct 2023 09:58

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 43 Resp: 642849

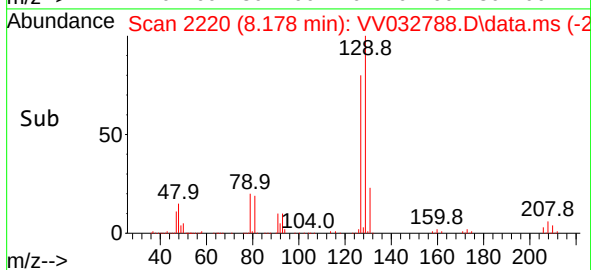
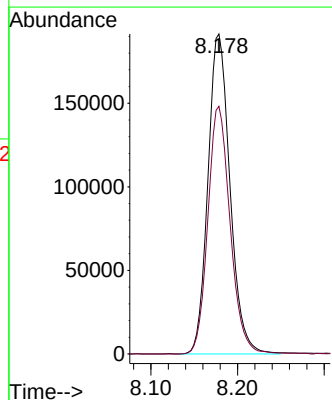
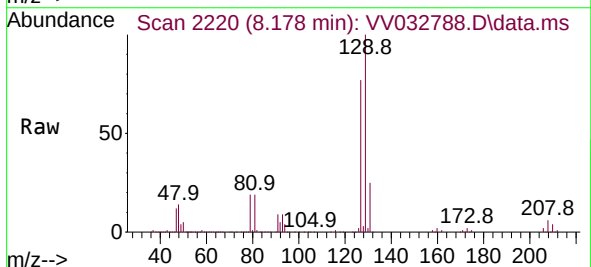
Ion	Ratio	Lower	Upper
43	100		
58	55.7	43.3	64.9
57	19.2	15.5	23.3
100	13.4	10.8	16.2

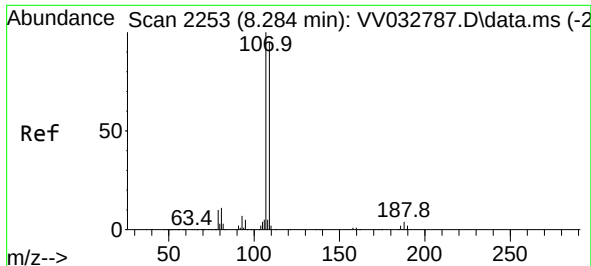


#49
Dibromochloromethane
Concen: 101.131 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032788.D
Acq: 31 Oct 2023 09:58

Tgt Ion: 129 Resp: 338616

Ion	Ratio	Lower	Upper
129	100		
127	77.4	54.7	101.5





#50

1,2-Dibromoethane

Concen: 95.795 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

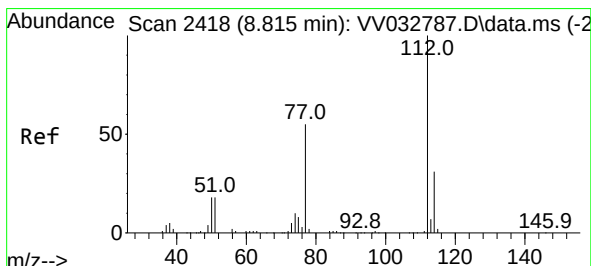
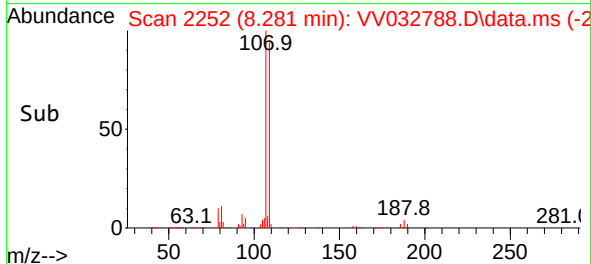
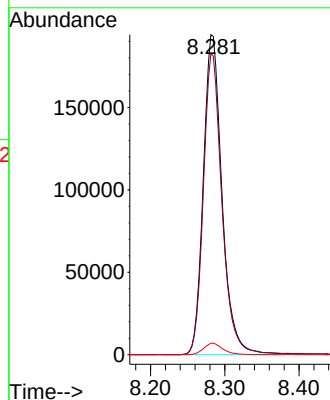
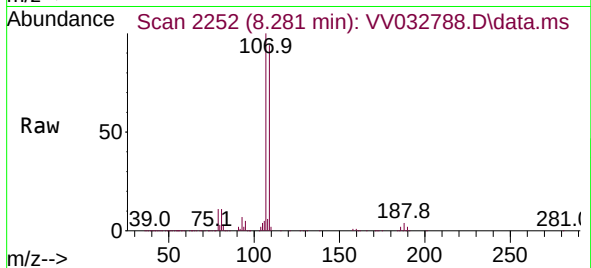
Tgt Ion:107 Resp: 339070

Ion Ratio Lower Upper

107 100

109 94.1 66.4 123.2

188 3.5 3.0 4.6



#51

Chlorobenzene

Concen: 96.361 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.000 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

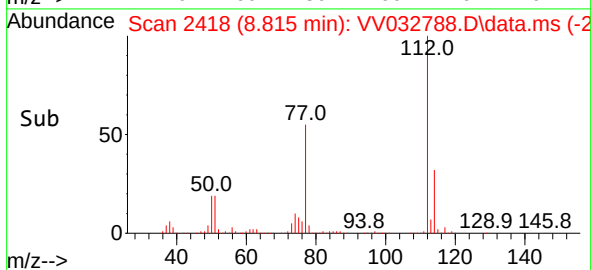
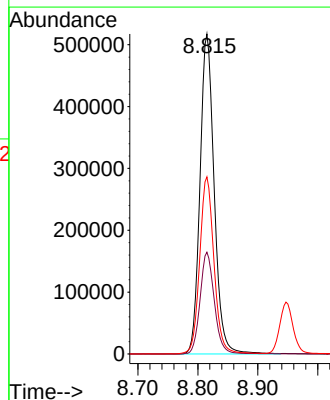
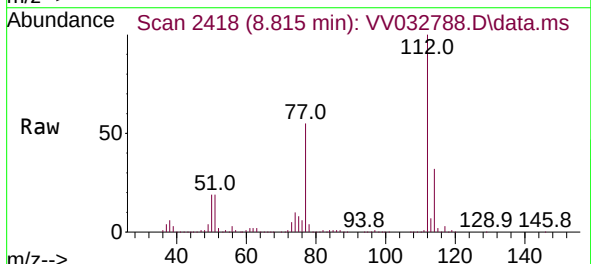
Tgt Ion:112 Resp: 855072

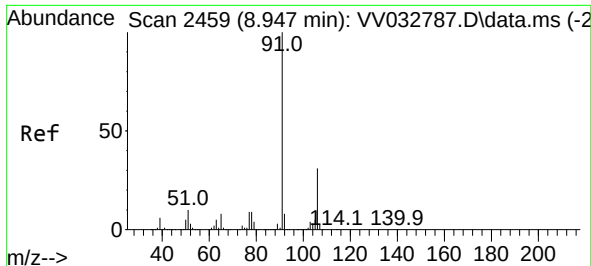
Ion Ratio Lower Upper

112 100

114 31.8 21.6 40.2

77 55.4 44.4 66.6





#52

Ethylbenzene

Concen: 96.875 ug/L

RT: 8.947 min Scan# 2459

Delta R.T. 0.000 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

Instrument :

MSVOA_V

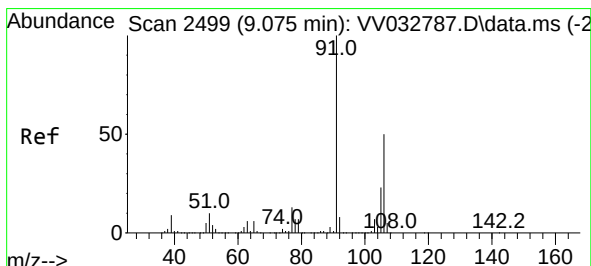
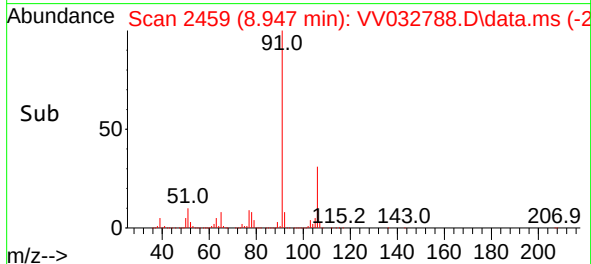
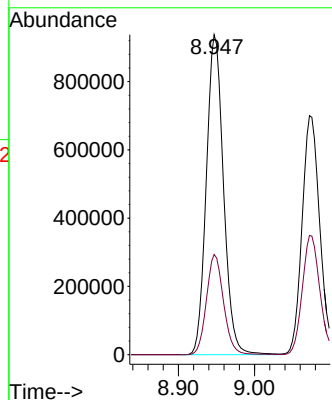
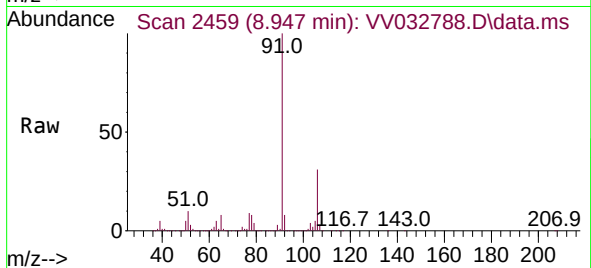
ClientSampleId :

Tgt Ion: 91 Resp: 1470158

Ion Ratio Lower Upper

91 100

106 31.3 21.7 40.3



#53

m,p-Xylene

Concen: 98.836 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. -0.003 min

Lab File: VV032788.D

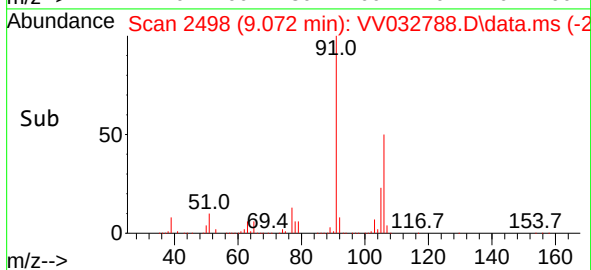
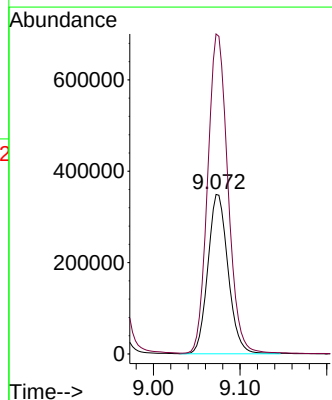
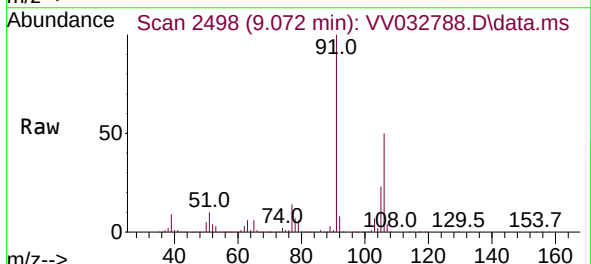
Acq: 31 Oct 2023 09:58

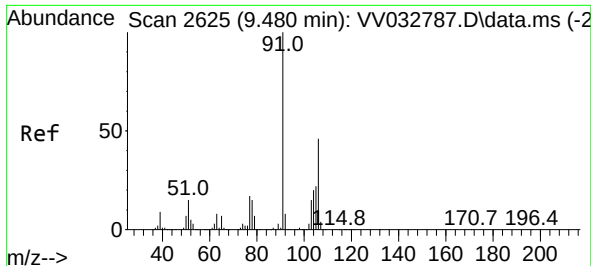
Tgt Ion: 106 Resp: 564415

Ion Ratio Lower Upper

106 100

91 200.5 139.7 259.5





#54

o-Xylene

Concen: 98.985 ug/L

RT: 9.481 min Scan# 2

Delta R.T. 0.000 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

Instrument :

MSVOA_V

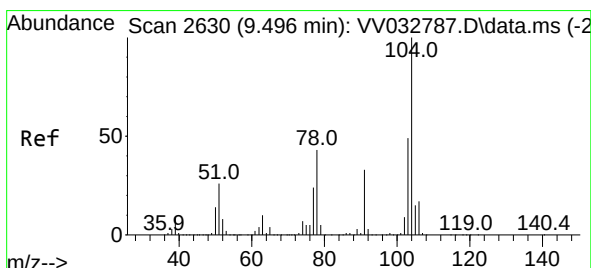
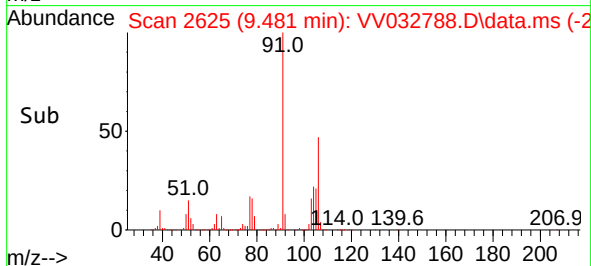
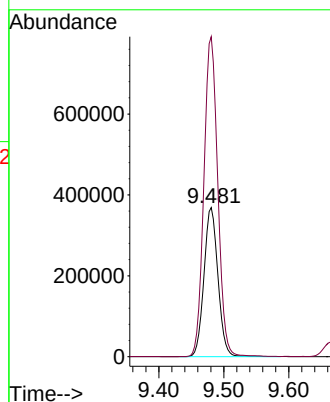
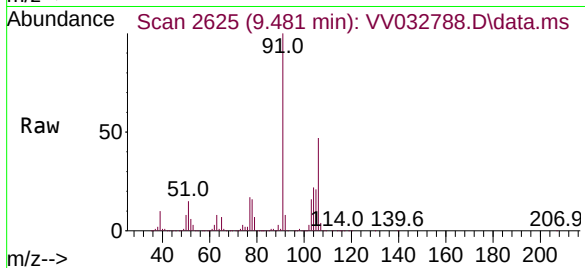
ClientSampleId :

Tgt Ion:106 Resp: 552399

Ion Ratio Lower Upper

106 100

91 214.5 151.0 280.4



#55

Styrene

Concen: 102.378 ug/L

RT: 9.497 min Scan# 2630

Delta R.T. 0.000 min

Lab File: VV032788.D

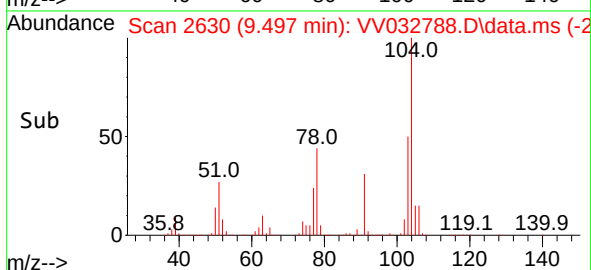
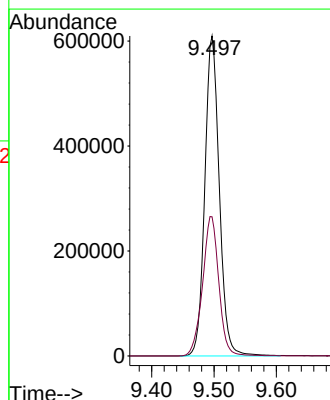
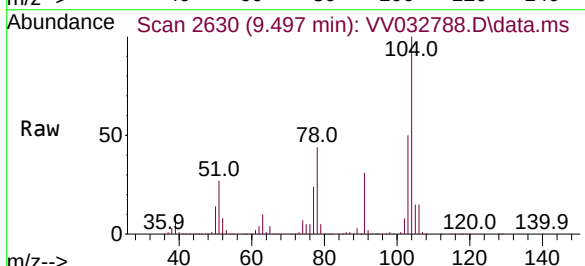
Acq: 31 Oct 2023 09:58

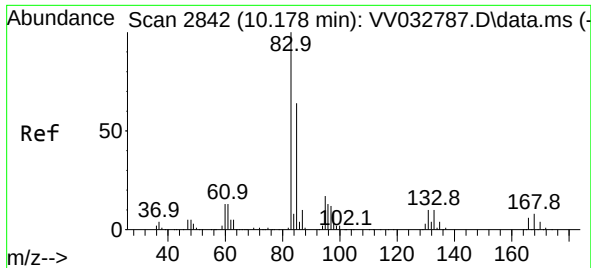
Tgt Ion:104 Resp: 987603

Ion Ratio Lower Upper

104 100

78 43.5 30.1 55.9

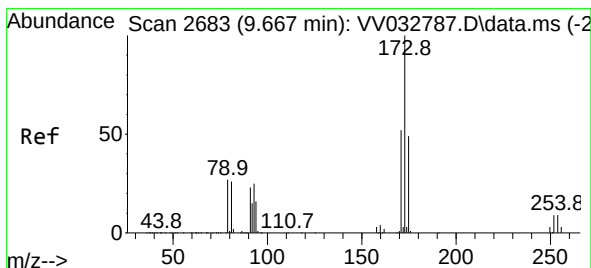
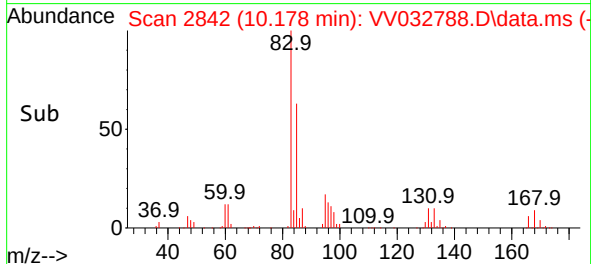
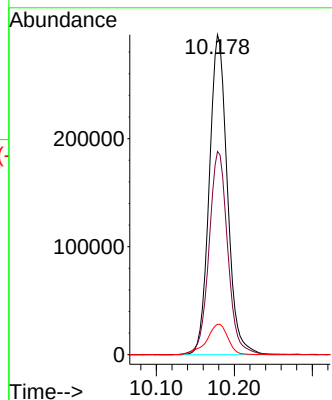
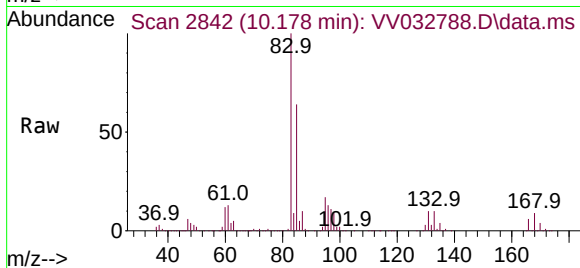




#57
1,1,2,2-Tetrachloroethane
Concen: 92.398 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VV032788.D
Acq: 31 Oct 2023 09:58

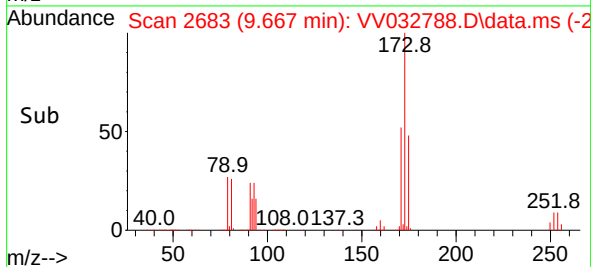
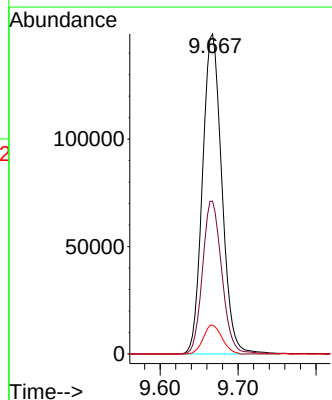
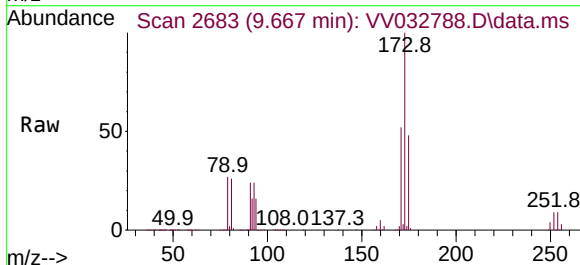
Instrument :
MSVOA_V
ClientSampleId :

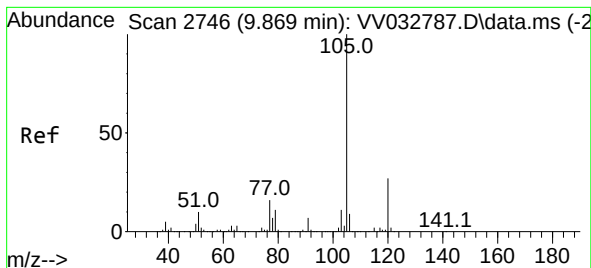
Tgt Ion: 83 Resp: 476620
Ion Ratio Lower Upper
83 100
85 63.5 44.9 83.3
131 9.5 7.8 11.6



#59
Bromoform
Concen: 99.386 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.000 min
Lab File: VV032788.D
Acq: 31 Oct 2023 09:58

Tgt Ion: 173 Resp: 256516
Ion Ratio Lower Upper
173 100
175 47.8 38.4 57.6
254 8.8 7.0 10.6





#60

Isopropylbenzene

Concen: 95.125 ug/L

RT: 9.870 min Scan# 21

Delta R.T. 0.000 min

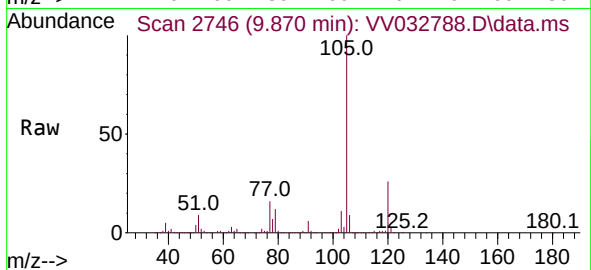
Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :



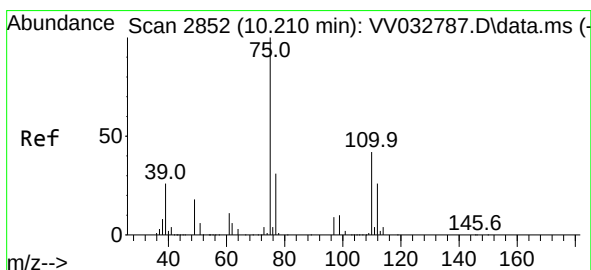
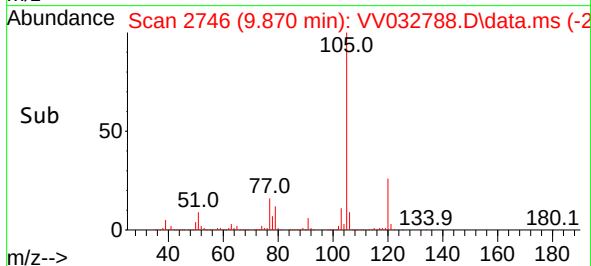
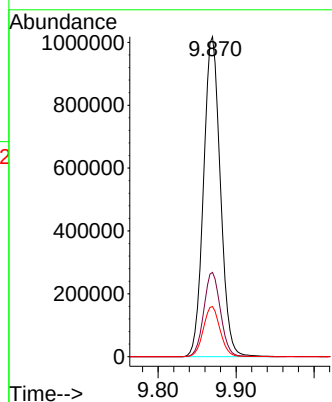
Tgt Ion:105 Resp: 1522869

Ion Ratio Lower Upper

105 100

120 26.2 21.1 31.7

77 15.6 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 83.612 ug/L

RT: 10.211 min Scan# 2852

Delta R.T. 0.000 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

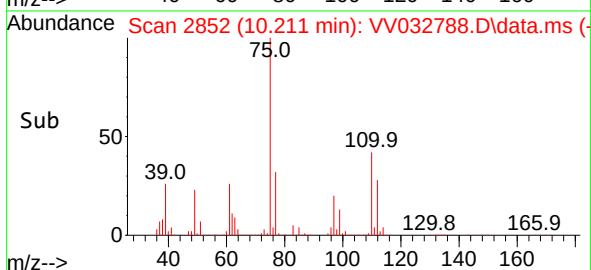
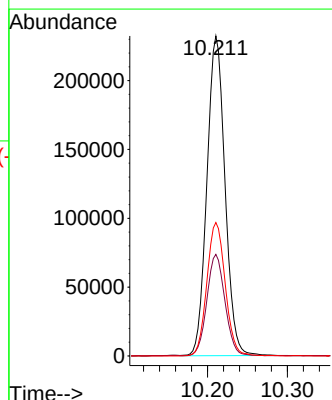
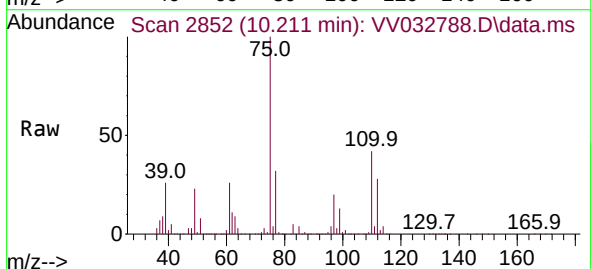
Tgt Ion: 75 Resp: 365678

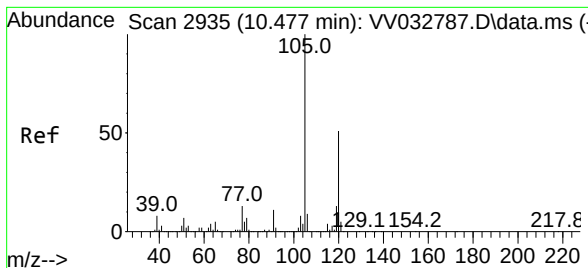
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

110 42.4 34.3 51.5





#62

1,3,5-Trimethylbenzene

Concen: 96.045 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

Instrument :

MSVOA_V

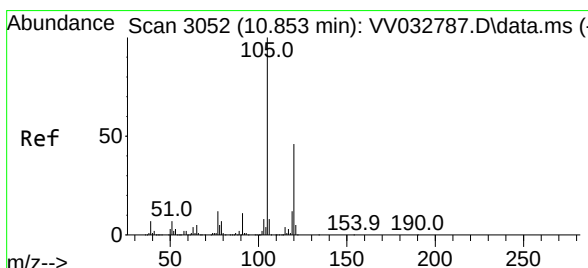
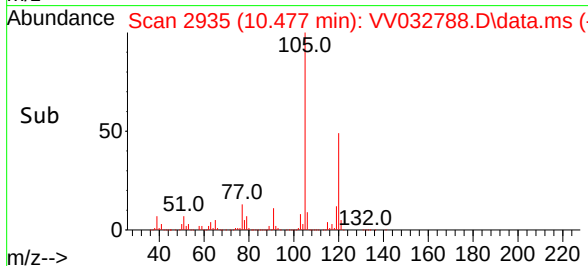
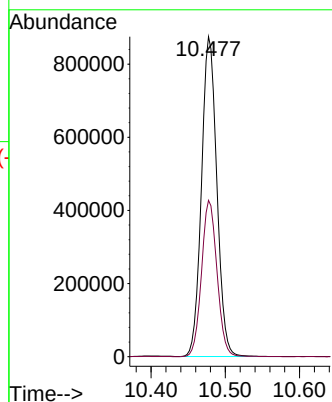
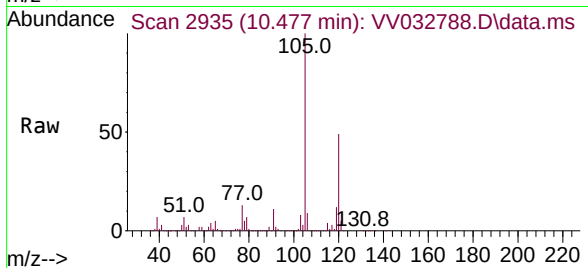
ClientSampleId :

Tgt Ion:105 Resp: 1256763

Ion Ratio Lower Upper

105 100

120 49.1 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 95.599 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV032788.D

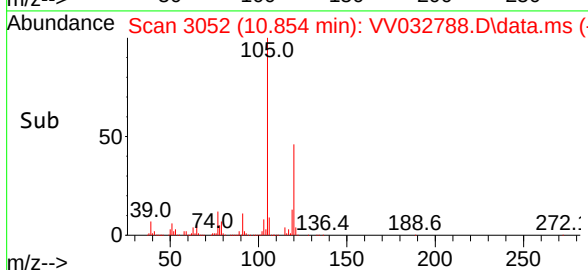
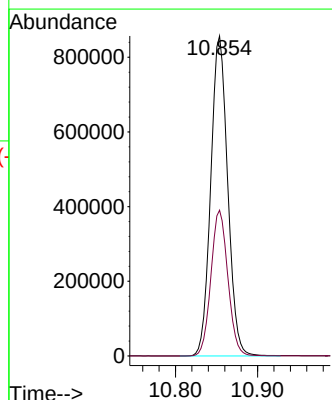
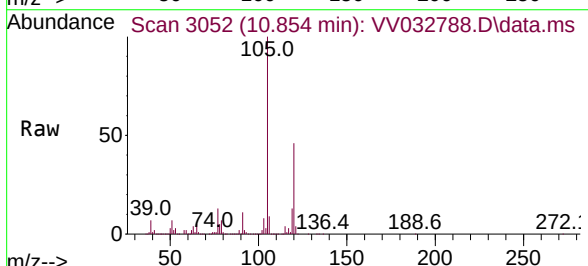
Acq: 31 Oct 2023 09:58

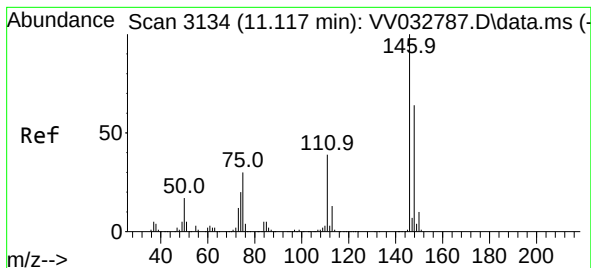
Tgt Ion:105 Resp: 1227766

Ion Ratio Lower Upper

105 100

120 45.4 37.0 55.6





#64

1,3-Dichlorobenzene

Concen: 95.926 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

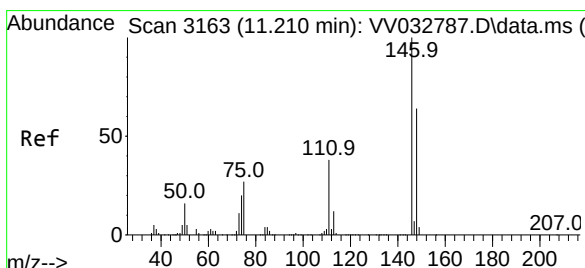
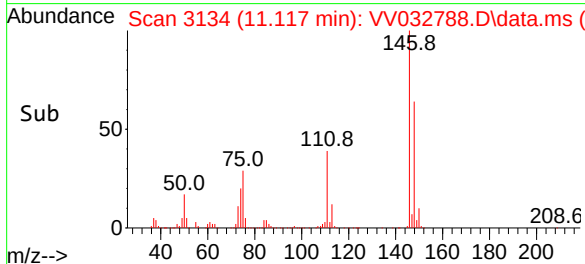
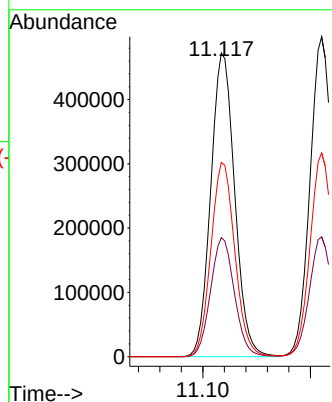
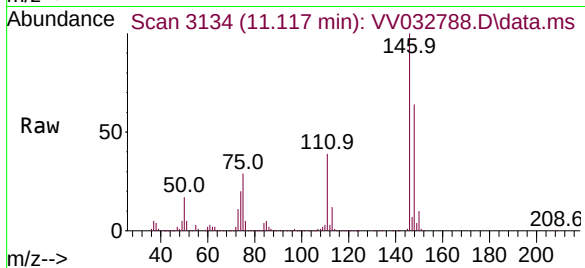
Tgt Ion:146 Resp: 731427

Ion Ratio Lower Upper

146 100

111 39.2 27.2 50.4

148 64.0 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 97.402 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

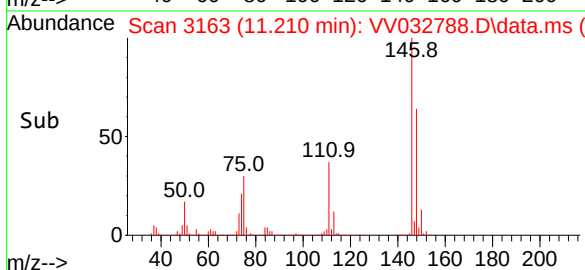
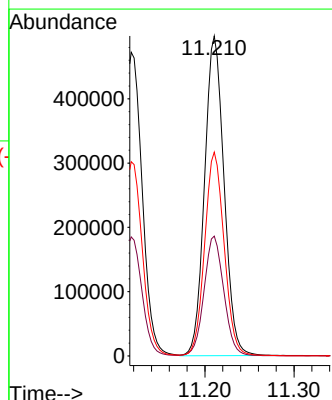
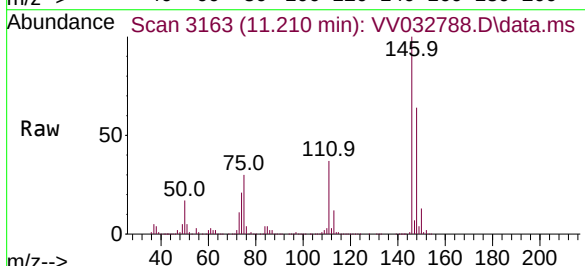
Tgt Ion:146 Resp: 753263

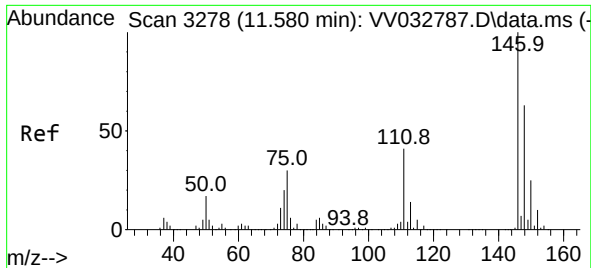
Ion Ratio Lower Upper

146 100

111 37.5 26.5 49.1

148 63.7 44.9 83.5

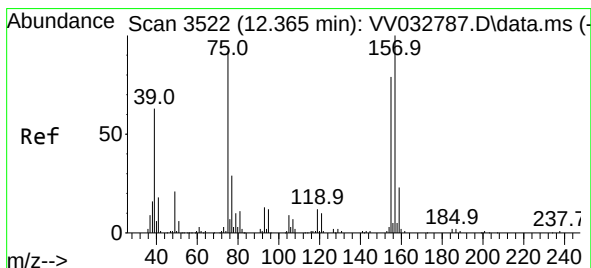
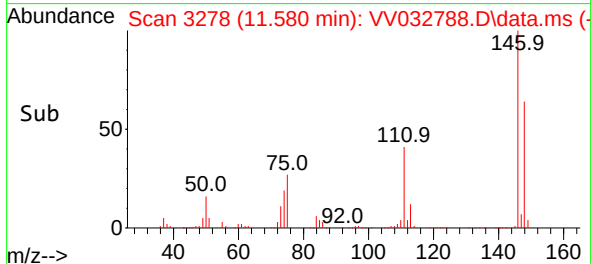
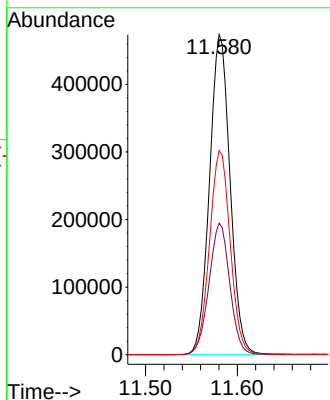
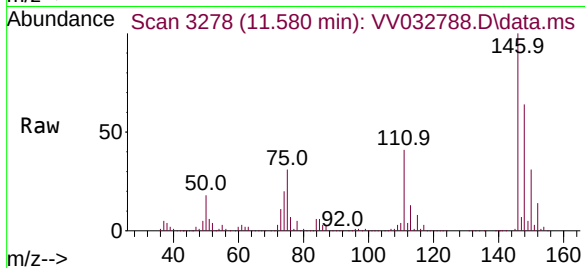




#67
1,2-Dichlorobenzene
Concen: 98.238 ug/L
RT: 11.580 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV032788.D
Acq: 31 Oct 2023 09:58

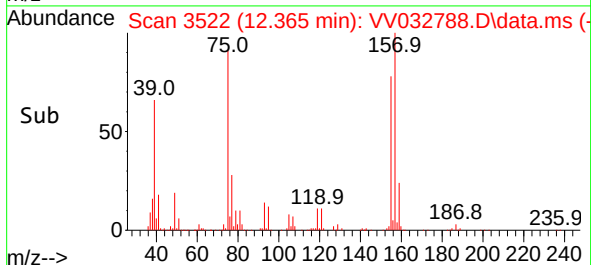
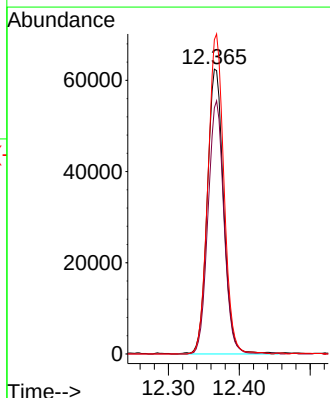
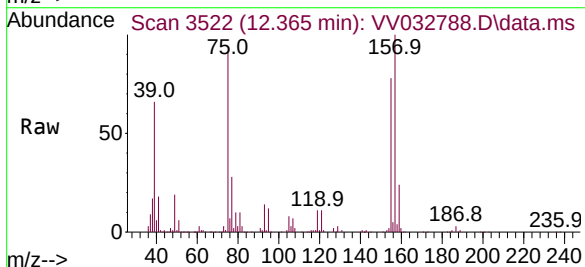
Instrument :
MSVOA_V
ClientSampleId :

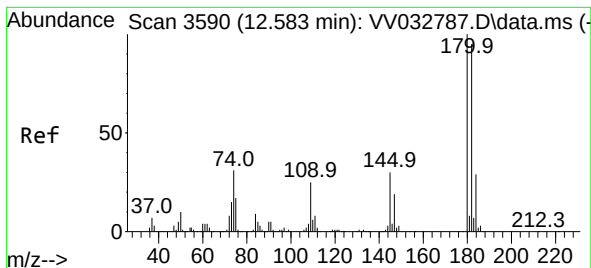
Tgt Ion:146 Resp: 737269
Ion Ratio Lower Upper
146 100
111 41.1 32.5 48.7
148 63.7 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 83.620 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. 0.000 min
Lab File: VV032788.D
Acq: 31 Oct 2023 09:58

Tgt Ion: 75 Resp: 100257
Ion Ratio Lower Upper
75 100
155 86.4 68.6 102.8
157 110.3 87.3 130.9





#69

1,3,5-Trichlorobenzene

Concen: 97.135 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 536191

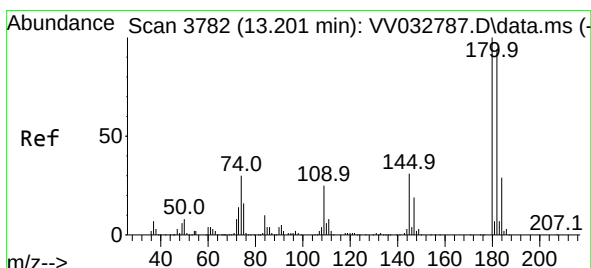
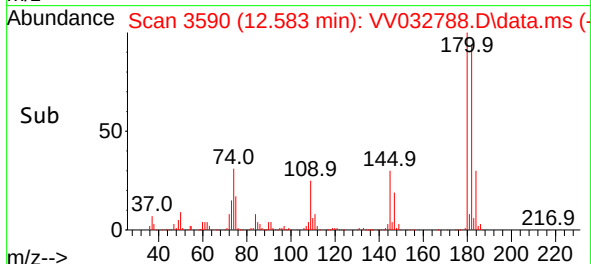
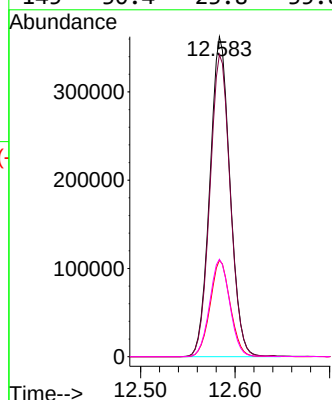
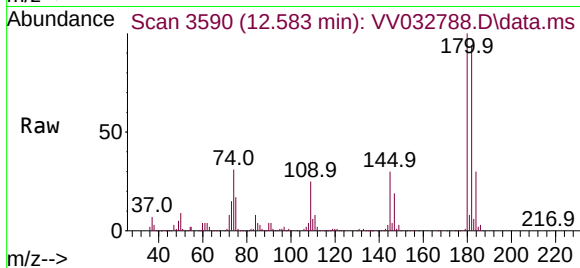
Ion Ratio Lower Upper

180 100

182 95.5 75.9 113.9

184 30.1 23.5 35.3

145 30.4 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 95.838 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV032788.D

Acq: 31 Oct 2023 09:58

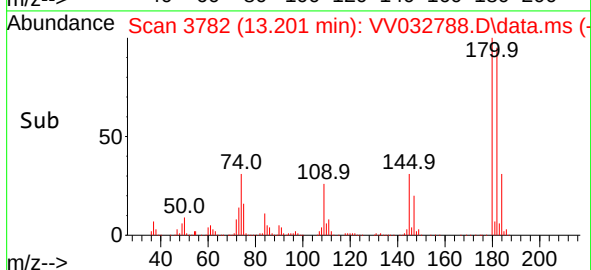
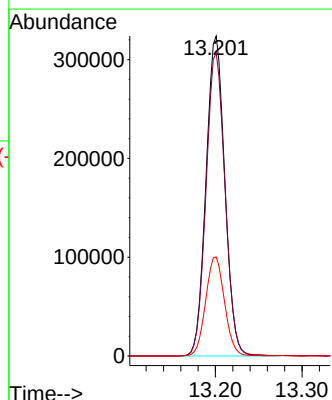
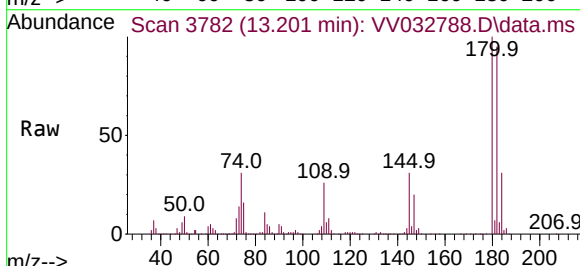
Tgt Ion:180 Resp: 488673

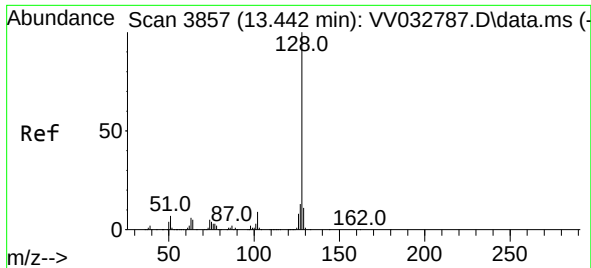
Ion Ratio Lower Upper

180 100

182 95.6 76.9 115.3

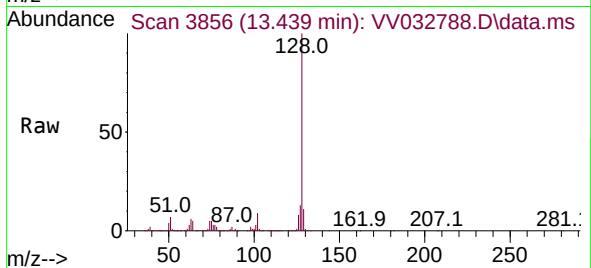
145 31.1 24.7 37.1



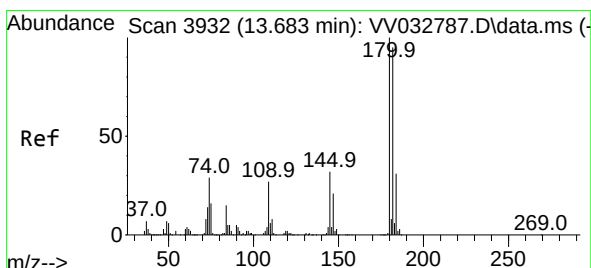
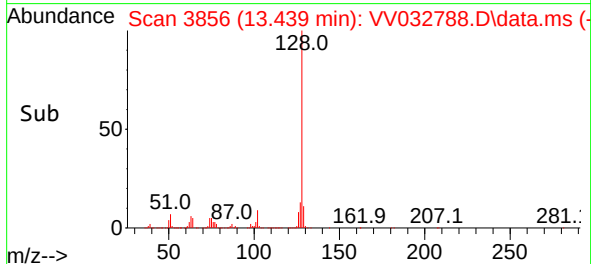
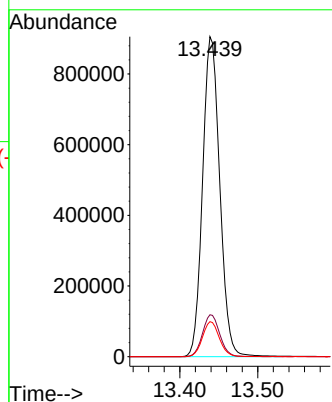


#71
Naphthalene
Concen: 84.995 ug/L
RT: 13.439 min Scan# 3856
Delta R.T. -0.003 min
Lab File: VV032788.D
Acq: 31 Oct 2023 09:58

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 1384154
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.8 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 98.829 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. 0.000 min
Lab File: VV032788.D
Acq: 31 Oct 2023 09:58

Tgt Ion:180 Resp: 506343
Ion Ratio Lower Upper
180 100
182 93.9 76.2 114.4
145 32.1 25.8 38.8

