

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW103123\
 Data File : VW032789.D
 Acq On : 31 Oct 2023 10:21
 Operator : SY/MD
 Sample : VSTD200
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 01 05:13:45 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	426163	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	444628	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	259106	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	719576	247.682	ug/L	0.00
7) Chloroethane-d5	1.519	69	597281	241.010	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.056	65	316317	256.286	ug/L	0.00
21) 2-Butanone-d5	3.777	46	708239	320.575	ug/L	0.00
24) Chloroform-d	4.246	84	1198178	211.386	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.941	65	744740	217.961	ug/L	0.00
32) Benzene-d6	4.960	84	2361090	203.027	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	706914	188.108	ug/L	0.00
41) Toluene-d8	7.243	98	2359604	217.330	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.551	79	401725	219.393	ug/L	0.00
47) 2-Hexanone-d5	8.024	63	615423	390.581	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.156	84	1050518	193.955	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.564	152	1024074	216.856	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	611093	170.605	ug/L	100
3) Chloromethane	1.217	50	592207	154.746	ug/L	99
5) Vinyl chloride	1.285	62	649632	169.909	ug/L	99
6) Bromomethane	1.471	94	516893	233.482	ug/L	98
8) Chloroethane	1.539	64	447187	185.234	ug/L	99
9) Trichlorofluoromethane	1.709	101	1077954	211.311	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	619194	200.934	ug/L	99
12) 1,1-Dichloroethene	2.066	96	575694	205.167	ug/L	98
13) Acetone	2.108	43	940138	401.888	ug/L	100
14) Carbon disulfide	2.240	76	1411269	164.746	ug/L	100
15) Methyl Acetate	2.368	43	529703	143.342	ug/L	99
16) Methylene chloride	2.445	84	607955	173.486	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	545699	177.011	ug/L	94
18) Methyl tert-butyl Ether	2.703	73	1771910	177.163	ug/L	99
19) 1,1-Dichloroethane	3.111	63	1038027	174.662	ug/L	100
20) cis-1,2-Dichloroethene	3.812	96	651905	190.445	ug/L	99
22) 2-Butanone	3.857	43	911113	318.370	ug/L	96
23) Bromochloromethane	4.143	128	344481	196.776	ug/L	98
25) Chloroform	4.275	83	1138099	189.658	ug/L	99
27) 1,2-Dichloroethane	5.037	62	859597	190.683	ug/L	100
29) Cyclohexane	4.584	56	861826	150.206	ug/L #	92
30) 1,1,1-Trichloroethane	4.513	97	1002786	184.382	ug/L	99
31) Carbon tetrachloride	4.735	117	881704	186.871	ug/L	100
33) Benzene	5.008	78	2328587	170.933	ug/L	100
34) Trichloroethene	5.831	95	670471	178.424	ug/L	97
35) Methylcyclohexane	6.053	83	1024878	170.144	ug/L	99
37) 1,2-Dichloropropane	6.092	63	624953	164.651	ug/L	99
38) Bromodichloromethane	6.432	83	903473	187.566	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	1065373	183.017	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	1599178	299.326	ug/L	98
42) Toluene	7.317	91	2706229	182.306	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	1057078	193.320	ug/L	100

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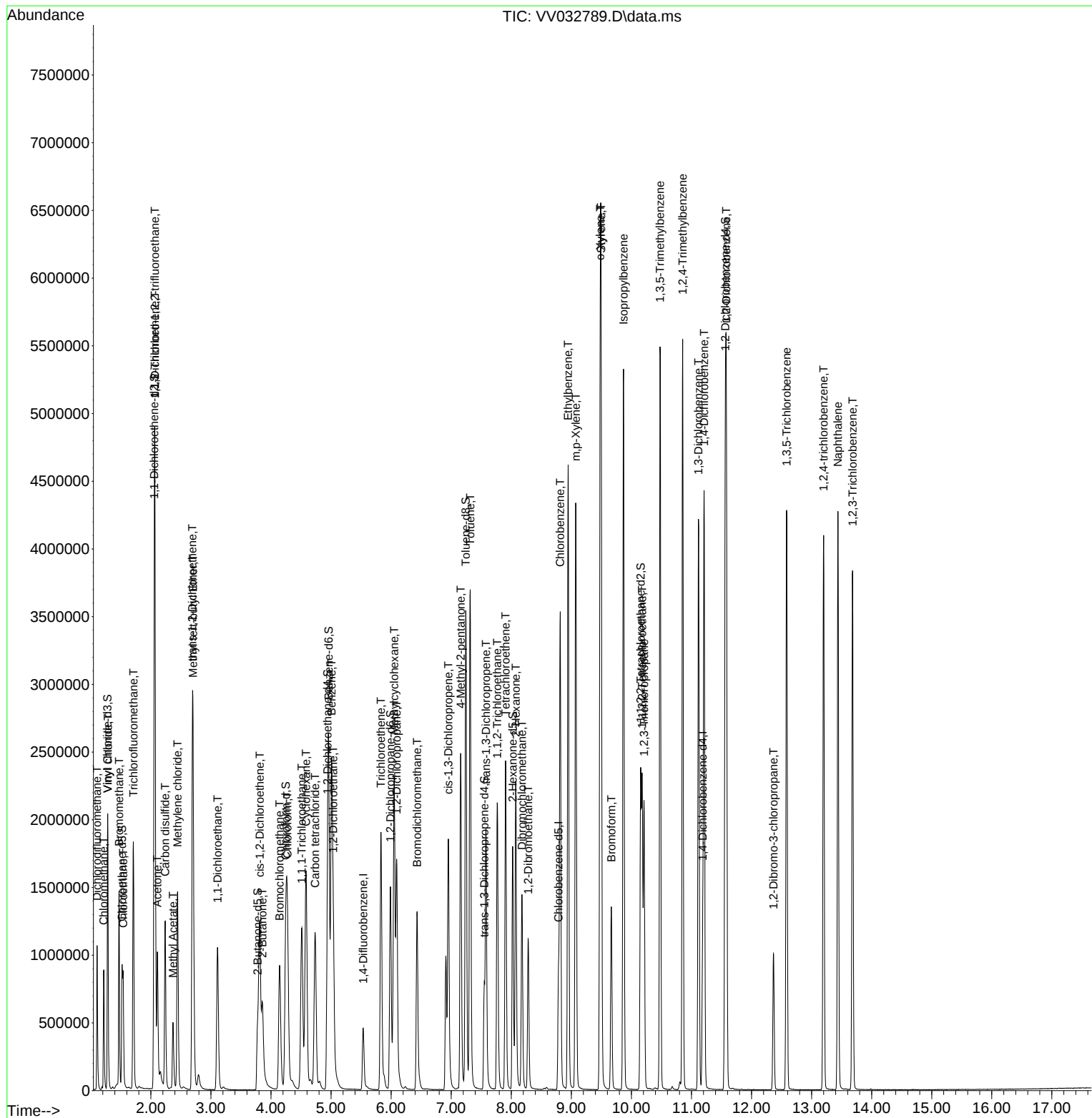
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.767	97	664609	182.282	ug/L	99
46) Tetrachloroethene	7.905	164	531093	187.485	ug/L	99
48) 2-Hexanone	8.075	43	1379598	324.082	ug/L	99
49) Dibromochloromethane	8.178	129	727858	200.069	ug/L	100
50) 1,2-Dibromoethane	8.281	107	707734	184.027	ug/L	100
51) Chlorobenzene	8.815	112	1805006	187.211	ug/L	98
52) Ethylbenzene	8.947	91	3143296	190.629	ug/L	100
53) m,p-Xylene	9.075	106	1209866	194.989	ug/L	98
54) o-Xylene	9.481	106	1196672	197.355	ug/L	98
55) Styrene	9.497	104	2144006	204.553	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.178	83	1034035	184.494	ug/L	100
59) Bromoform	9.667	173	567355	200.829	ug/L	99
60) Isopropylbenzene	9.870	105	3307594	188.758	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	777261	162.366	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	2797236	195.304	ug/L	98
63) 1,2,4-Trimethylbenzene	10.853	105	2767505	196.874	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	1604223	192.218	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	1641794	193.955	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	1622760	197.545	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	230025	175.280	ug/L	99
69) 1,3,5-Trichlorobenzene	12.583	180	1239412	205.131	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	1146702	205.463	ug/L	99
71) Naphthalene	13.439	128	3101101	173.976	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	1085009	193.480	ug/L	100

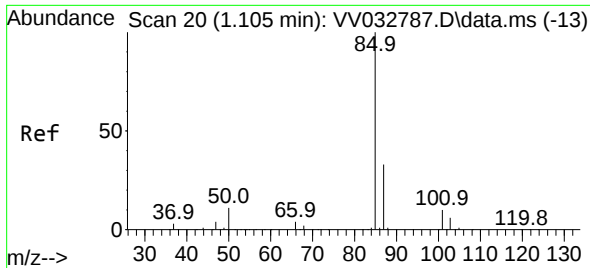
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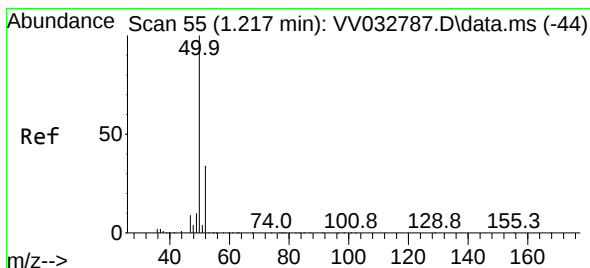
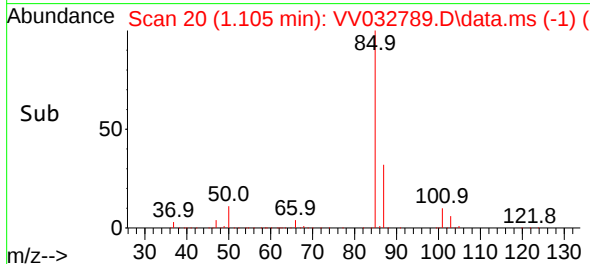
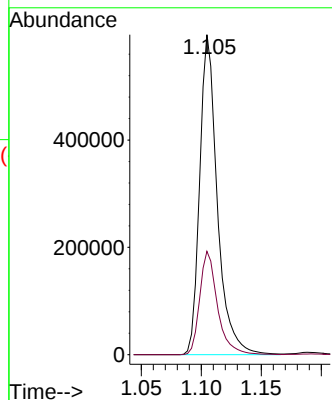
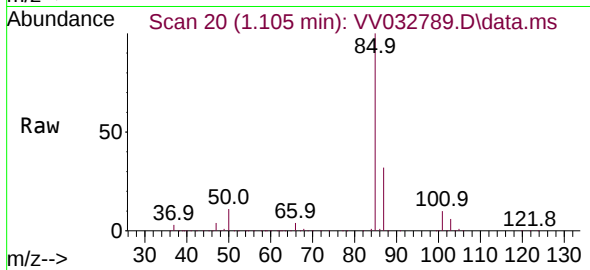




#2
 Dichlorodifluoromethane
 Concen: 170.605 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV032789.D
 Acq: 31 Oct 2023 10:21

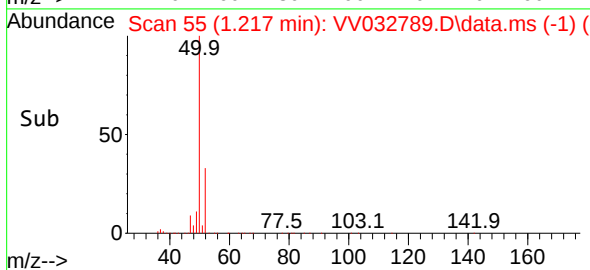
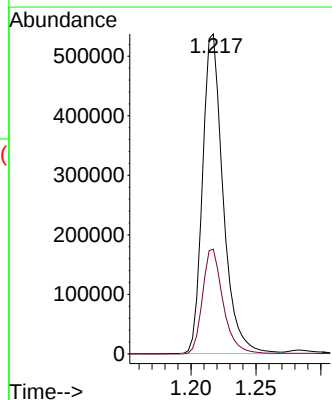
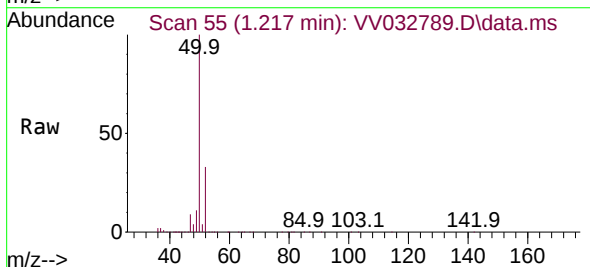
Instrument :
 MSVOA_V
 ClientSampleId :

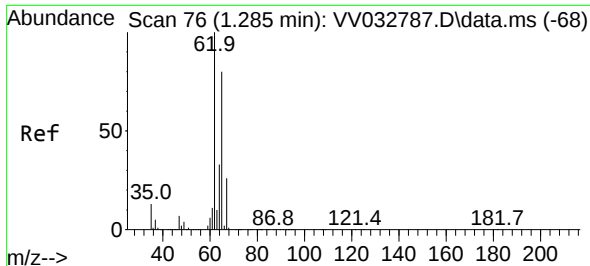
Tgt Ion: 85 Resp: 611093
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.2 39.4



#3
 Chloromethane
 Concen: 154.746 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV032789.D
 Acq: 31 Oct 2023 10:21

Tgt Ion: 50 Resp: 592207
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.5 43.7

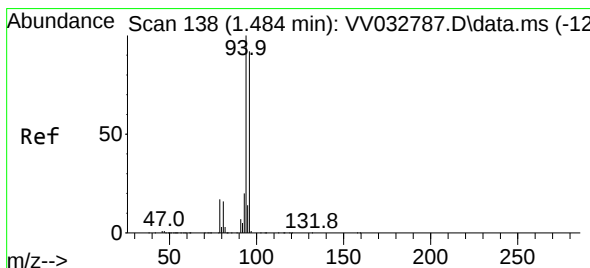
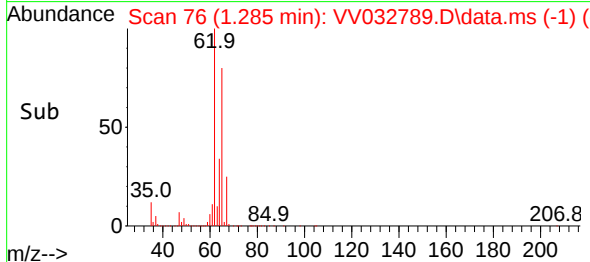
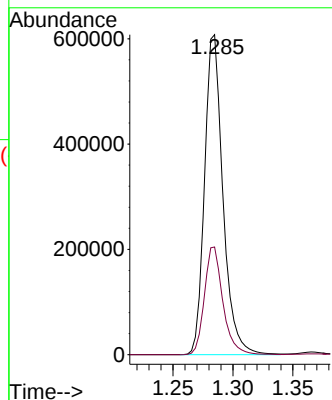
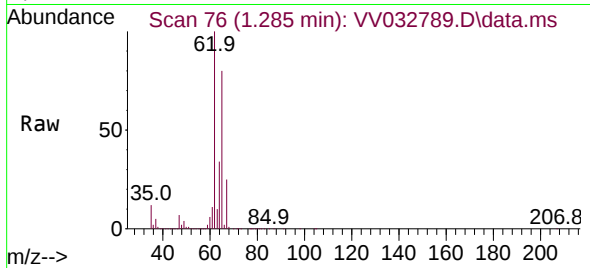




#5
 Vinyl chloride
 Concen: 169.909 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VV032789.D
 Acq: 31 Oct 2023 10:21

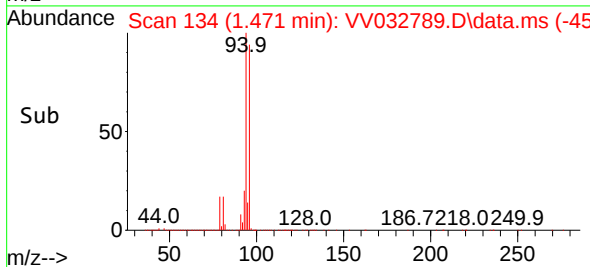
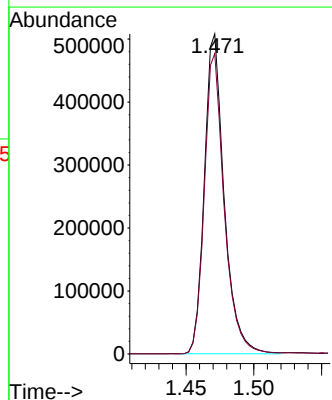
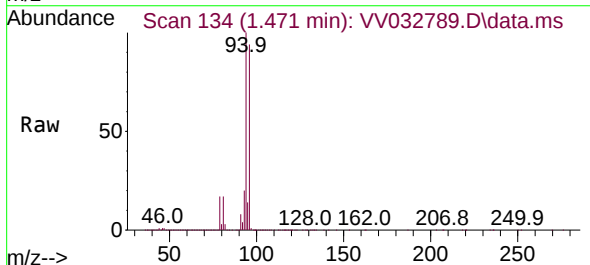
Instrument :
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 ClientSampleId :

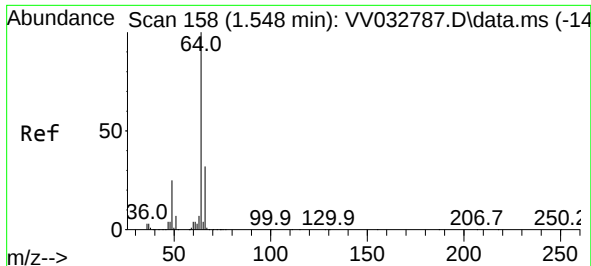
Tgt Ion: 62 Resp: 649632
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.2 43.0



#6
 Bromomethane
 Concen: 233.482 ug/L
 RT: 1.471 min Scan# 134
 Delta R.T. -0.013 min
 Lab File: VV032789.D
 Acq: 31 Oct 2023 10:21

Tgt Ion: 94 Resp: 516893
 Ion Ratio Lower Upper
 94 100
 96 93.8 64.2 119.2

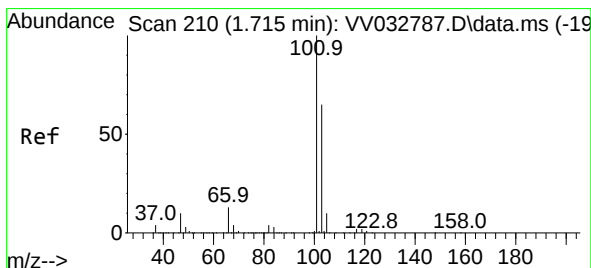
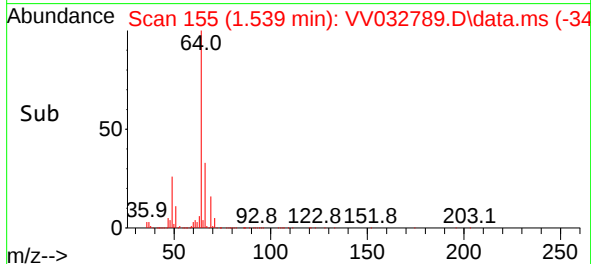
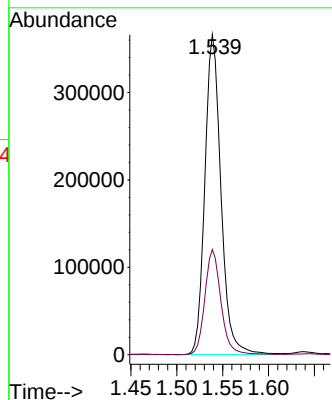
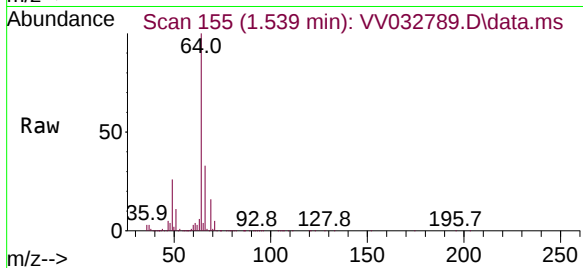




#8
Chloroethane
Concen: 185.234 ug/L
RT: 1.539 min Scan# 11
Delta R.T. -0.010 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

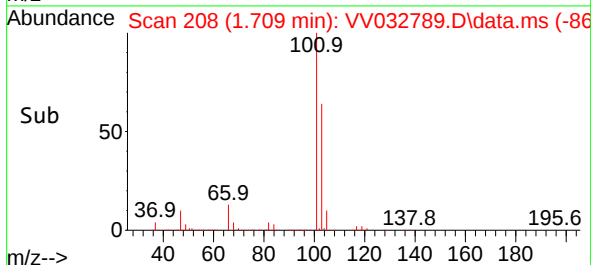
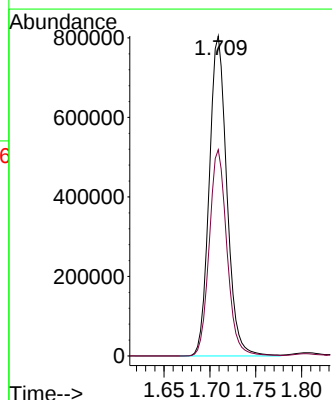
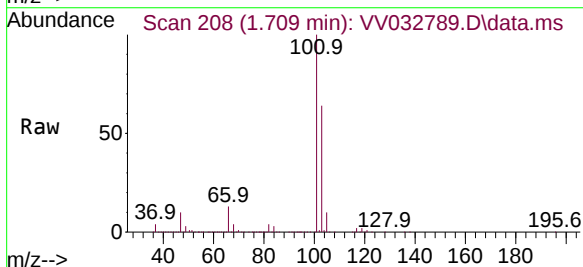
Instrument :
MSVOA_V
ClientSampleId :

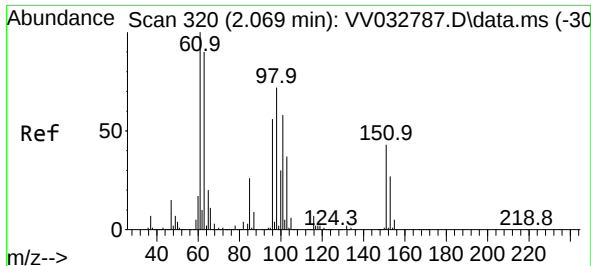
Tgt Ion: 64 Resp: 447187
Ion Ratio Lower Upper
64 100
66 32.8 22.5 41.9



#9
Trichlorofluoromethane
Concen: 211.311 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.006 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

Tgt Ion:101 Resp: 1077954
Ion Ratio Lower Upper
101 100
103 64.5 51.7 77.5





#10

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

Concen: 200.934 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

Instrument :

MSVOA_V

ClientSampleId :

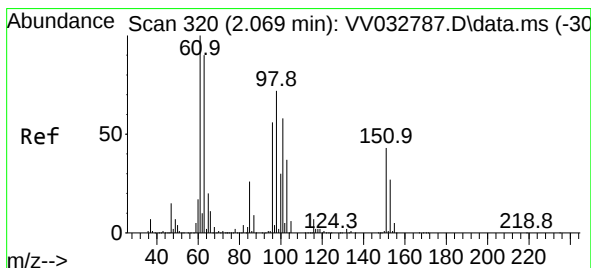
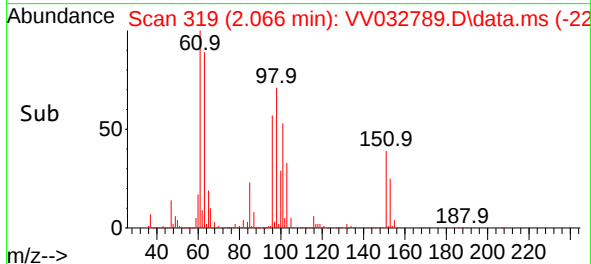
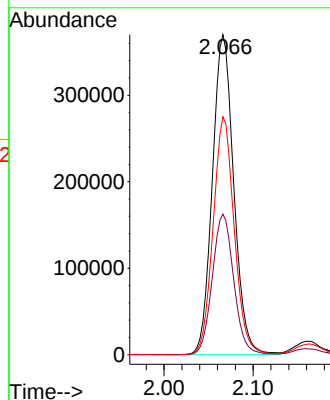
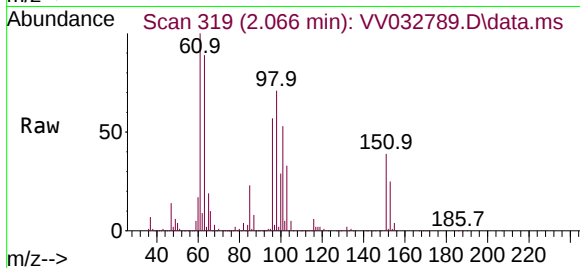
Tgt Ion:101 Resp: 619194

Ion Ratio Lower Upper

101 100

85 43.9 35.6 53.4

151 73.4 59.9 89.9



#12

1,1-Dichloroethene

Concen: 205.167 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

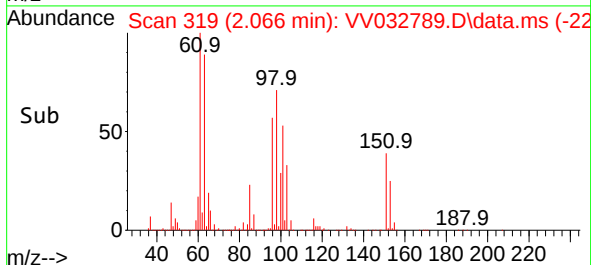
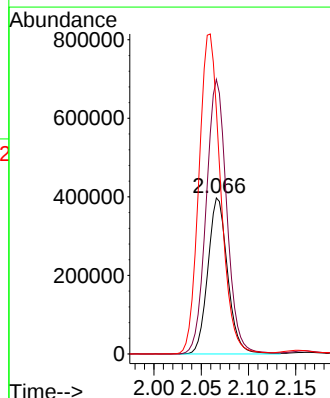
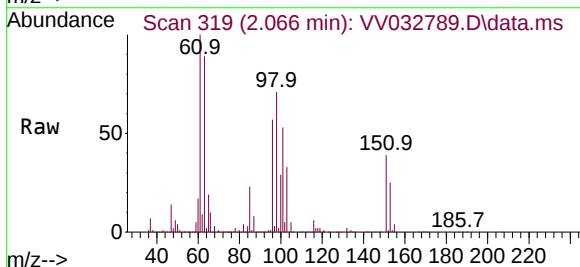
Tgt Ion: 96 Resp: 575694

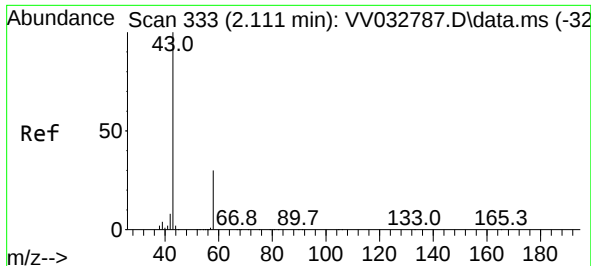
Ion Ratio Lower Upper

96 100

61 175.9 124.2 230.6

63 156.6 111.8 207.6





#13

Acetone

Concen: 401.888 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

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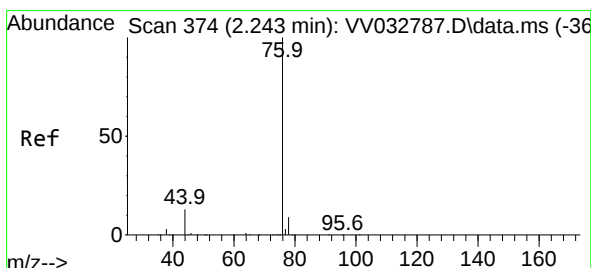
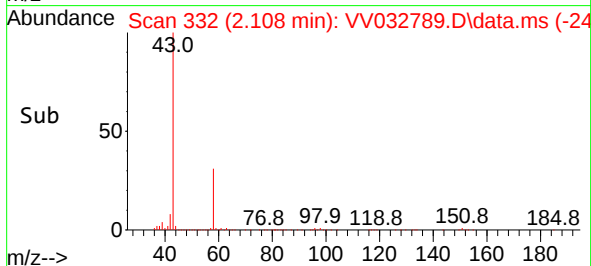
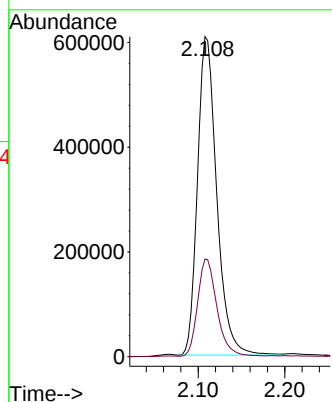
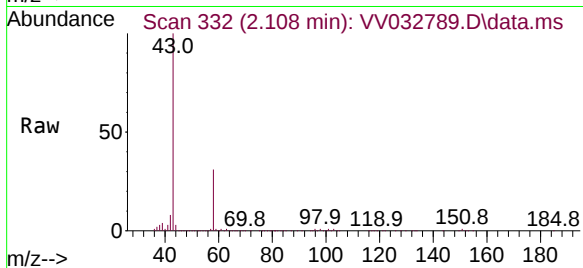
ClientSampleId :

Tgt Ion: 43 Resp: 940138

Ion Ratio Lower Upper

43 100

58 30.3 0.0 61.2



#14

Carbon disulfide

Concen: 164.746 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV032789.D

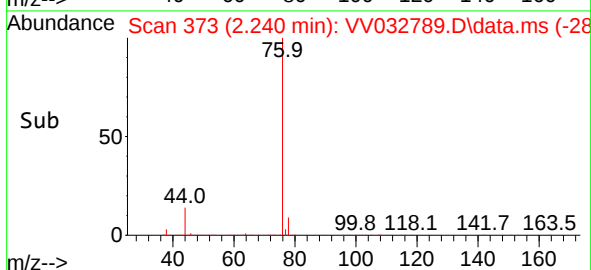
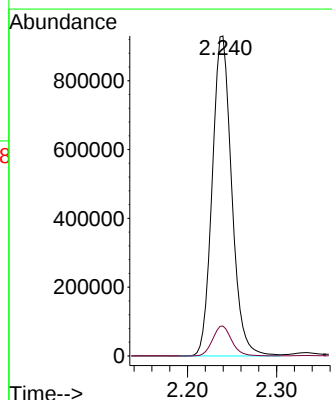
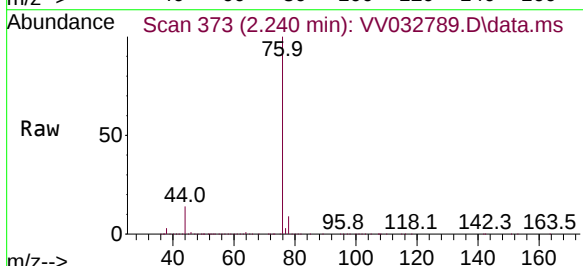
Acq: 31 Oct 2023 10:21

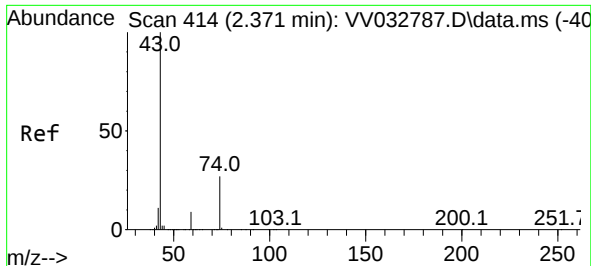
Tgt Ion: 76 Resp: 1411269

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4

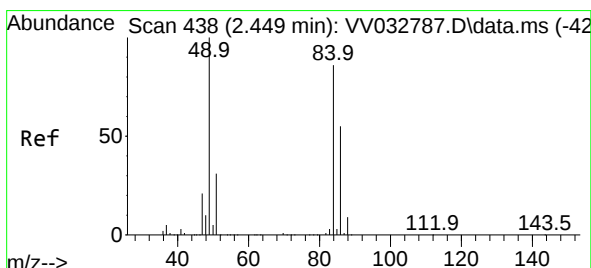
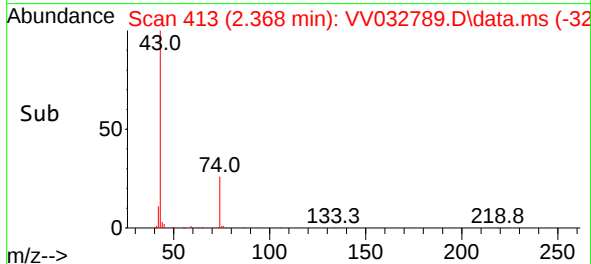
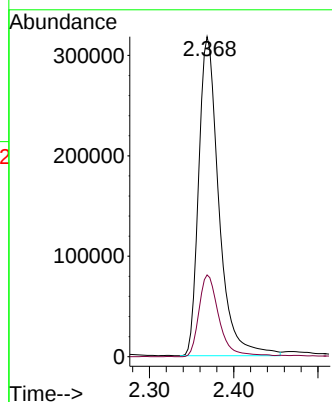
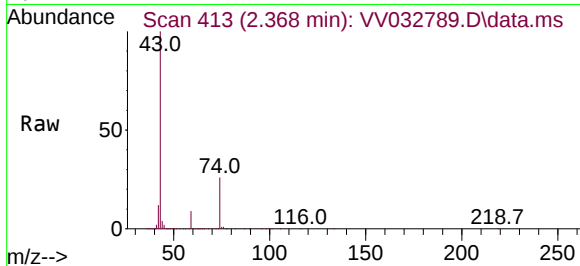




#15
Methyl Acetate
Concen: 143.342 ug/L
RT: 2.368 min Scan# 414
Delta R.T. -0.003 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

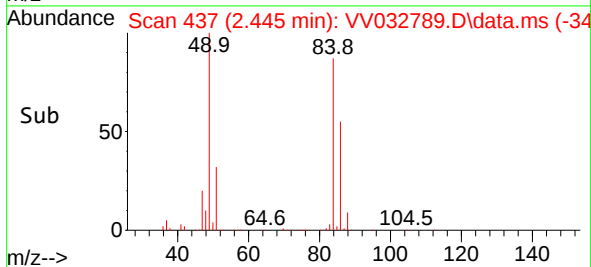
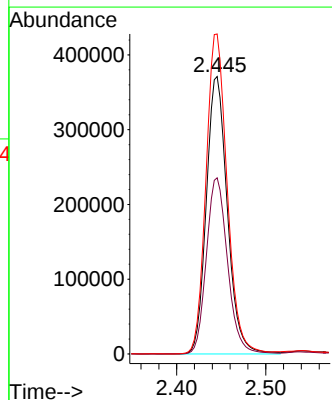
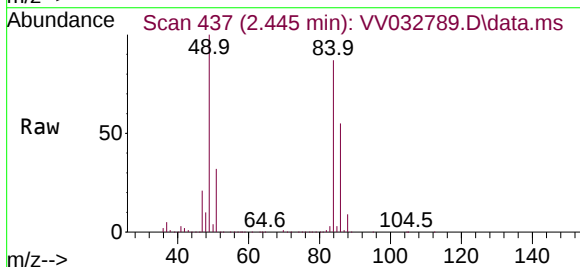
Instrument :
MSVOA_V
ClientSampleId :

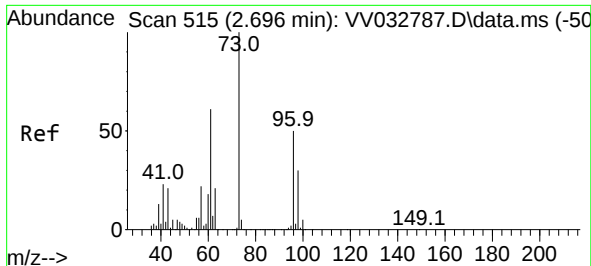
Tgt Ion: 43 Resp: 529703
Ion Ratio Lower Upper
43 100
74 25.4 20.6 30.8



#16
Methylene chloride
Concen: 173.486 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

Tgt Ion: 84 Resp: 607955
Ion Ratio Lower Upper
84 100
86 63.5 45.0 83.6
49 115.4 81.2 150.8

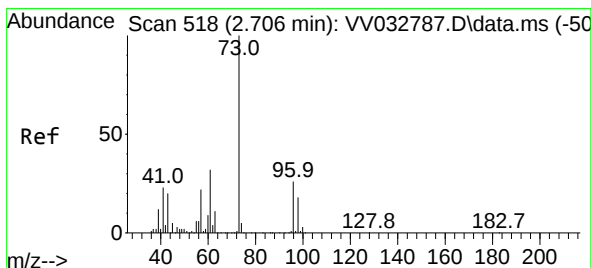
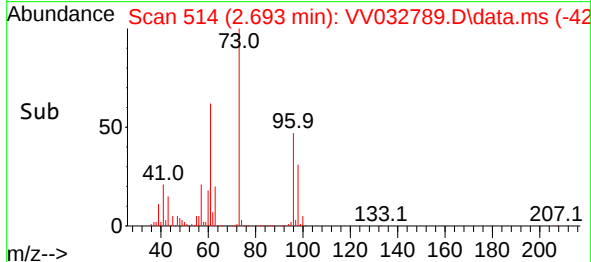
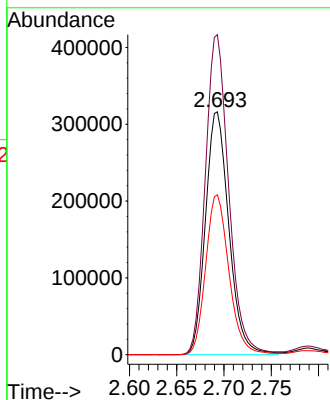
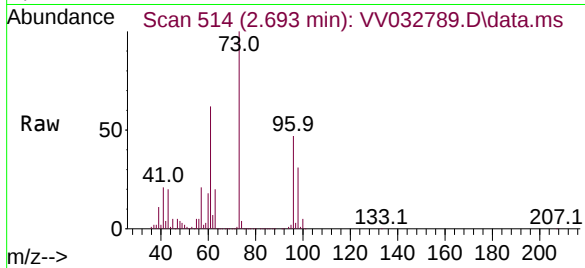




#17
trans-1,2-Dichloroethene
Concen: 177.011 ug/L
RT: 2.693 min Scan# 515
Delta R.T. -0.003 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

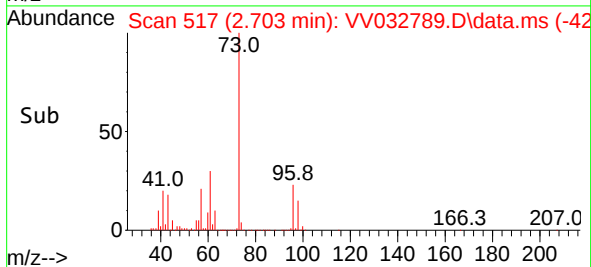
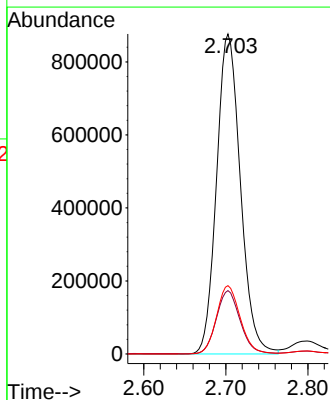
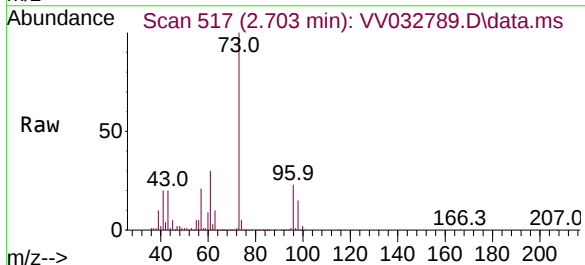
Instrument :
MSVOA_V
ClientSampleId :

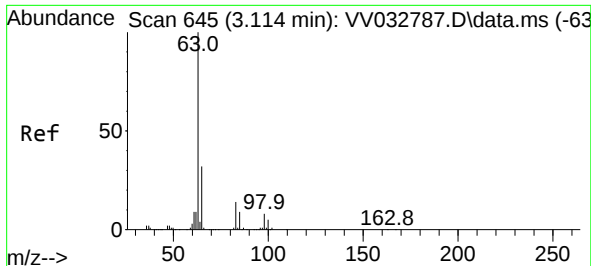
Tgt Ion: 96 Resp: 545699
Ion Ratio Lower Upper
96 100
61 131.7 86.9 161.3
98 65.8 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 177.163 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.003 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

Tgt Ion: 73 Resp: 1771910
Ion Ratio Lower Upper
73 100
43 19.6 16.1 24.1
57 21.2 17.4 26.0





#19

1,1-Dichloroethane

Concen: 174.662 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

Instrument :

MSVOA_V

ClientSampleId :

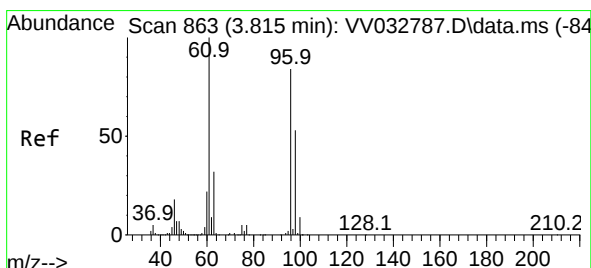
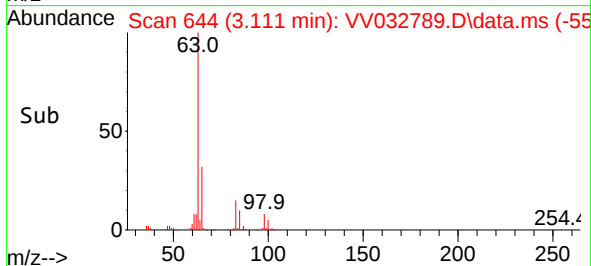
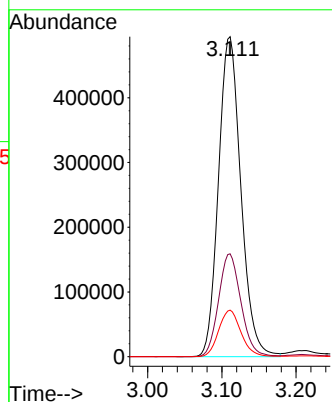
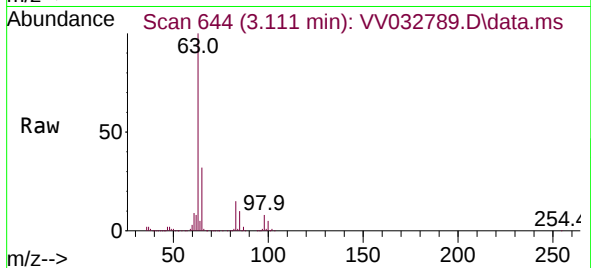
Tgt Ion: 63 Resp: 1038027

Ion Ratio Lower Upper

63 100

65 32.2 22.3 41.5

83 14.6 10.1 18.7



#20

cis-1,2-Dichloroethene

Concen: 190.445 ug/L

RT: 3.812 min Scan# 862

Delta R.T. -0.003 min

Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

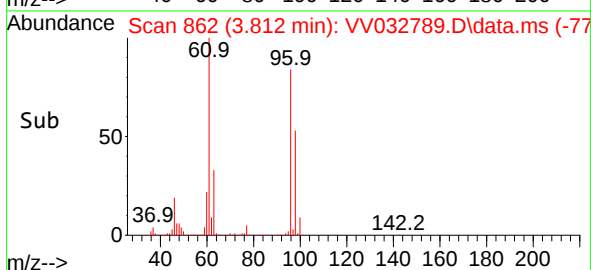
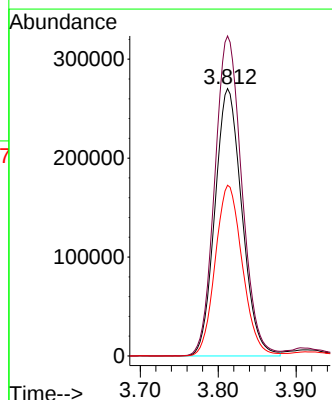
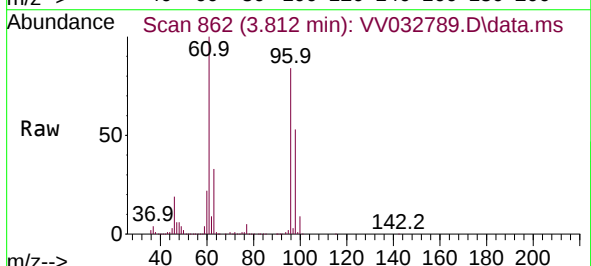
Tgt Ion: 96 Resp: 651905

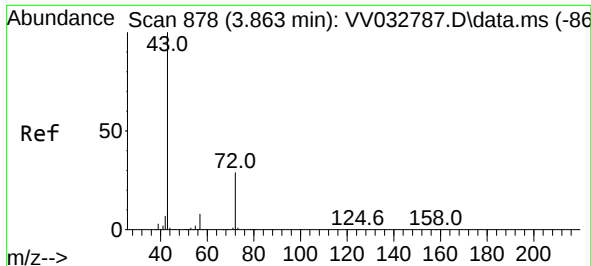
Ion Ratio Lower Upper

96 100

61 119.7 83.3 154.7

98 63.8 44.2 82.2

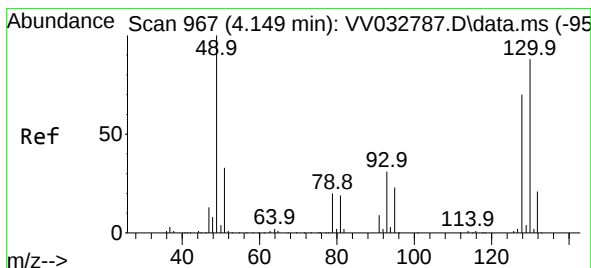
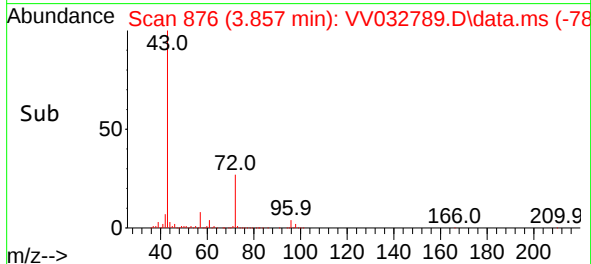
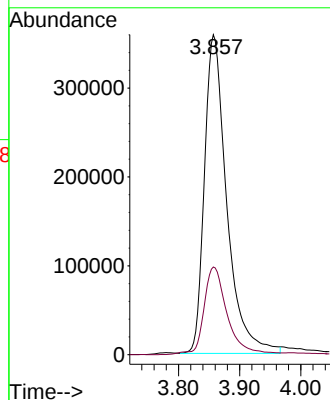
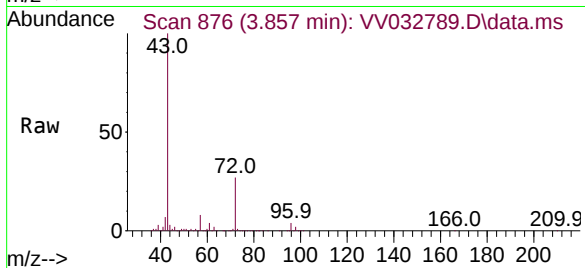




#22
2-Butanone
Concen: 318.370 ug/L
RT: 3.857 min Scan# 81
Delta R.T. -0.006 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

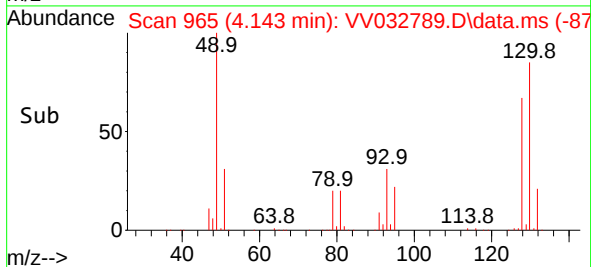
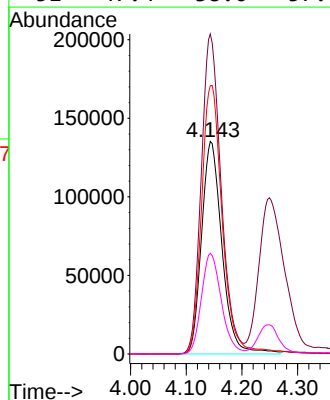
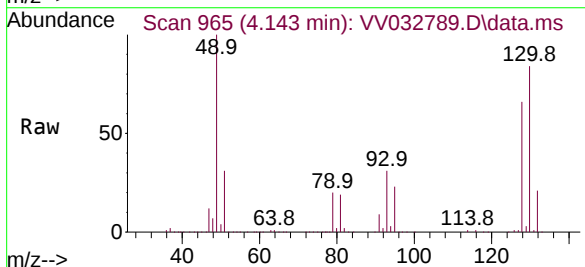
Instrument :
MSVOA_V
ClientSampleId :

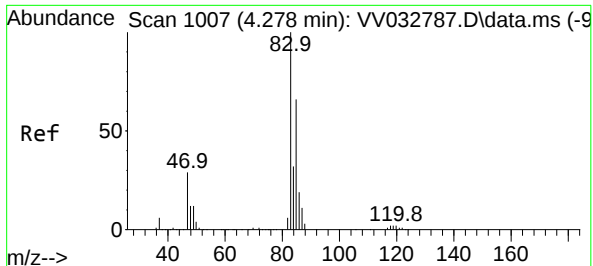
Tgt Ion: 43 Resp: 911113
Ion Ratio Lower Upper
43 100
72 28.8 13.5 40.4



#23
Bromochloromethane
Concen: 196.776 ug/L
RT: 4.143 min Scan# 965
Delta R.T. -0.006 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

Tgt Ion:128 Resp: 344481
Ion Ratio Lower Upper
128 100
49 150.6 101.0 187.6
130 126.2 88.5 164.4
51 47.4 38.0 57.0





#25

Chloroform

Concen: 189.658 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. -0.003 min

Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

Instrument :

MSVOA_V

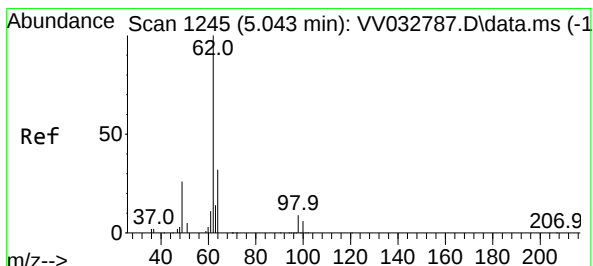
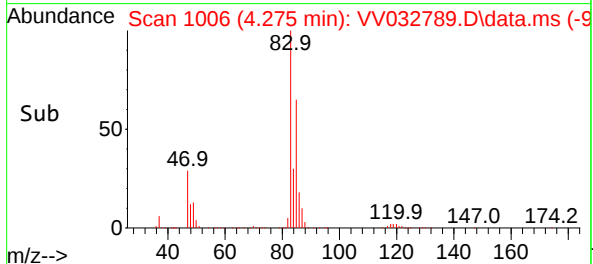
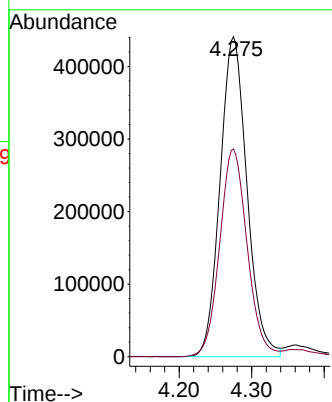
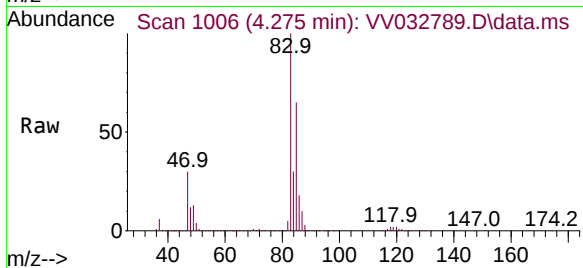
ClientSampleId :

Tgt Ion: 83 Resp: 1138099

Ion Ratio Lower Upper

83 100

85 64.9 46.2 85.8



#27

1,2-Dichloroethane

Concen: 190.683 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.006 min

Lab File: VV032789.D

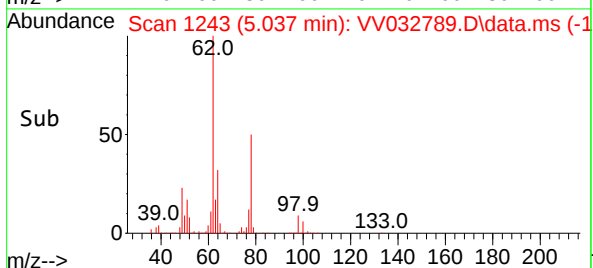
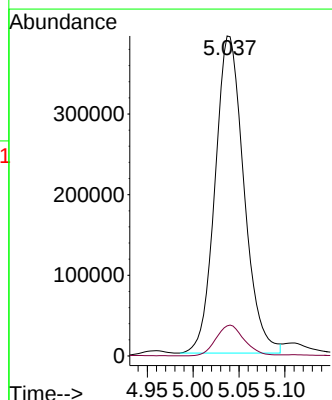
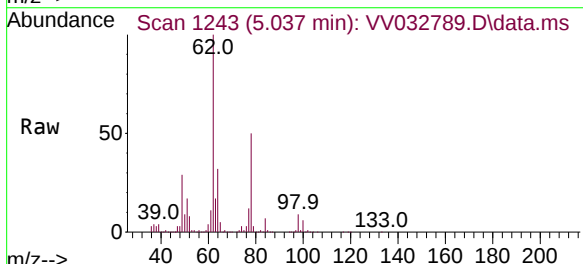
Acq: 31 Oct 2023 10:21

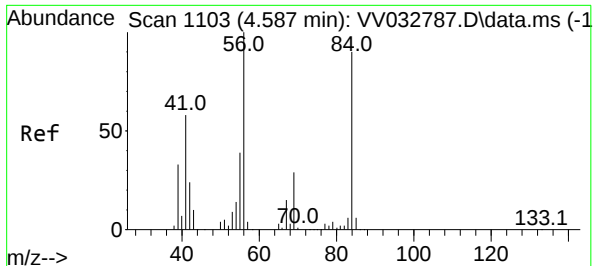
Tgt Ion: 62 Resp: 859597

Ion Ratio Lower Upper

62 100

98 9.4 7.5 11.3





#29

Cyclohexane

Concen: 150.206 ug/L

RT: 4.584 min Scan# 1103

Delta R.T. -0.003 min

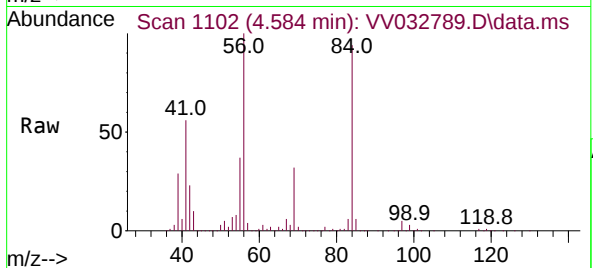
Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

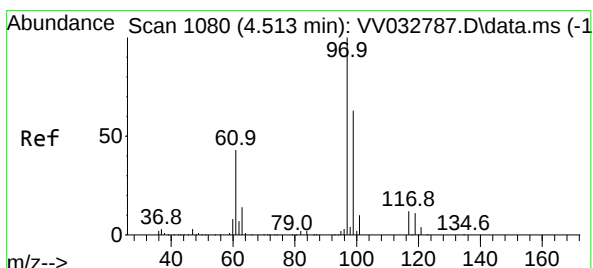
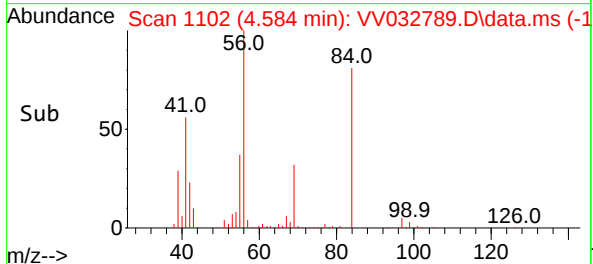
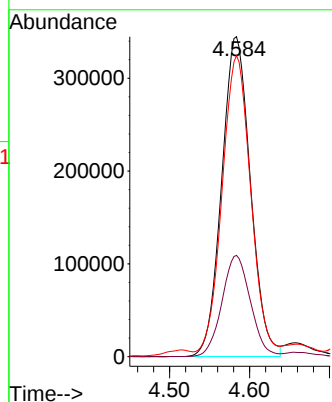
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	56	Resp:	861826
Ion	Ratio	Lower	Upper
56	100		
69	31.3	13.4	20.0#
84	90.7	75.3	112.9



#30

1,1,1-Trichloroethane

Concen: 184.382 ug/L

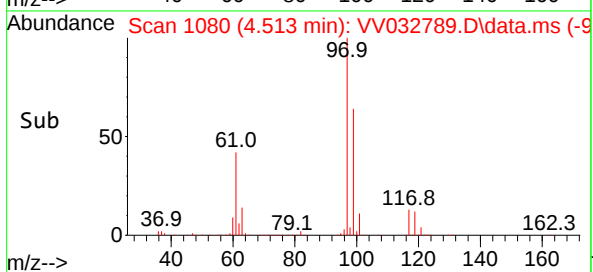
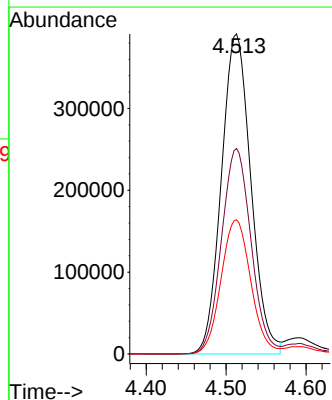
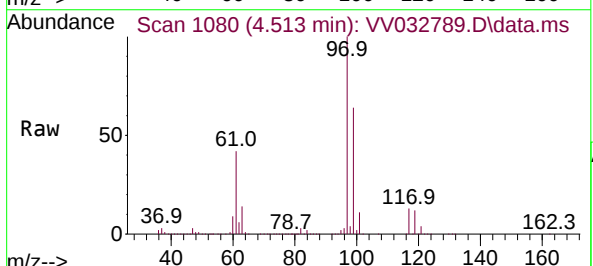
RT: 4.513 min Scan# 1080

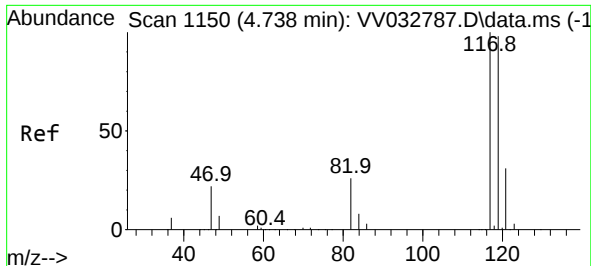
Delta R.T. 0.000 min

Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

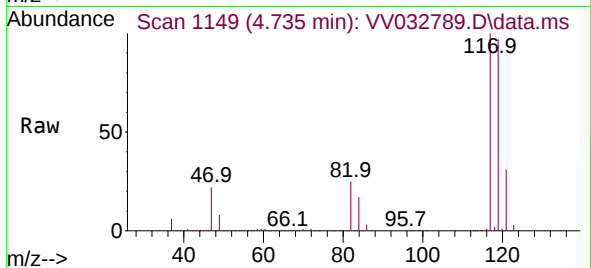
Tgt Ion:	97	Resp:	1002786
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.6
61	42.3	34.8	52.2



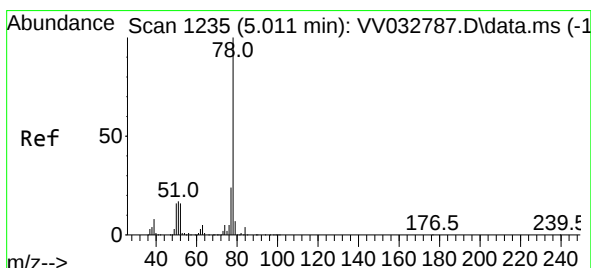
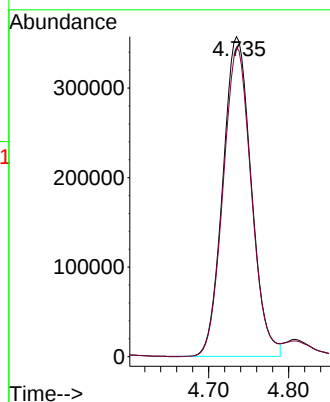
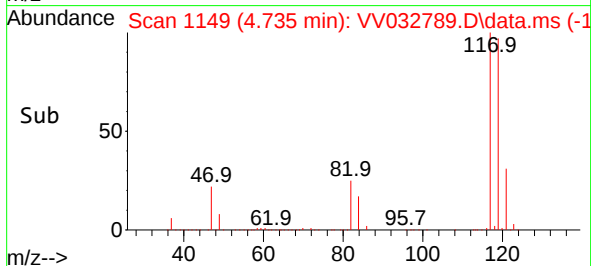


#31
Carbon tetrachloride
Concen: 186.871 ug/L
RT: 4.735 min Scan# 1150
Delta R.T. -0.003 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

Instrument :
MSVOA_V
ClientSampleId :

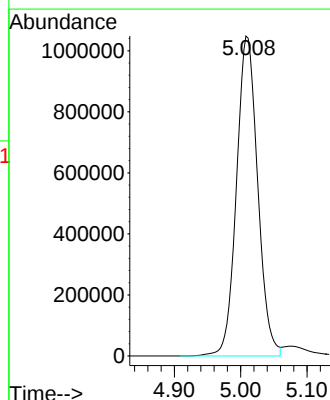
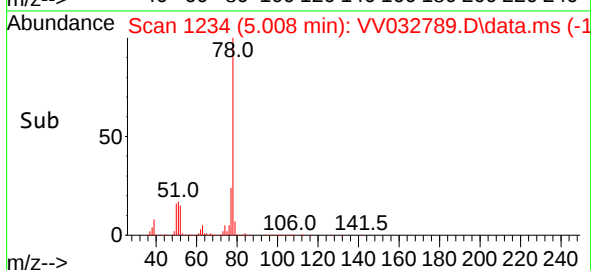
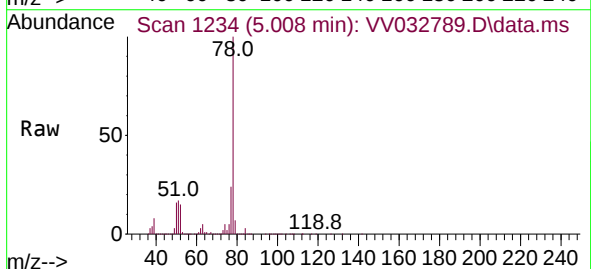


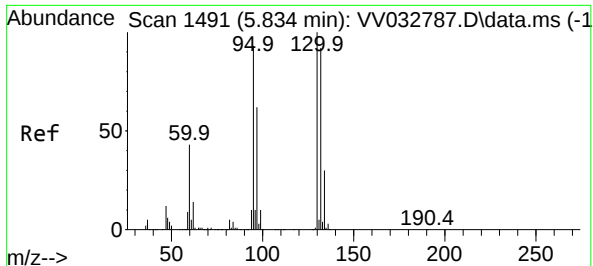
Tgt Ion:117 Resp: 881704
Ion Ratio Lower Upper
117 100
119 96.2 76.6 115.0



#33
Benzene
Concen: 170.933 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. -0.003 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

Tgt Ion: 78 Resp: 2328587





#34

Trichloroethene

Concen: 178.424 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. -0.003 min

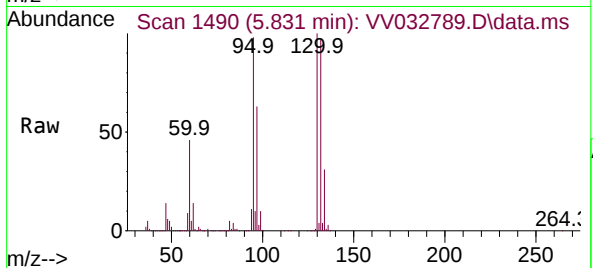
Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 670471

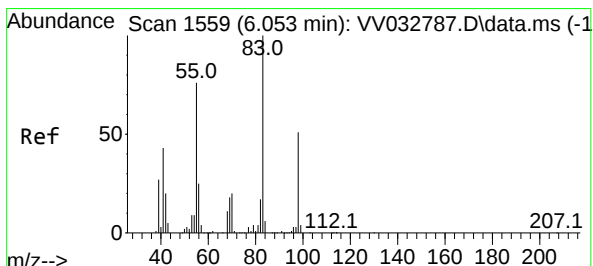
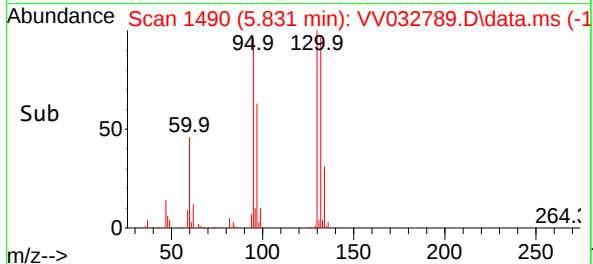
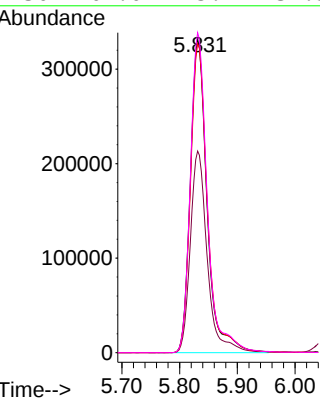
Ion Ratio Lower Upper

95 100

97 64.2 46.3 85.9

132 98.5 69.0 128.2

130 102.0 75.1 139.5



#35

Methylcyclohexane

Concen: 170.144 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.000 min

Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

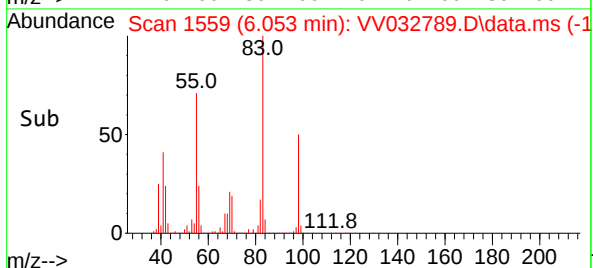
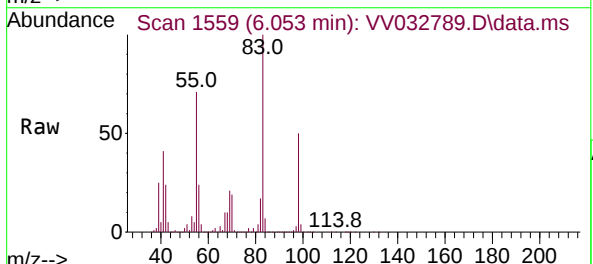
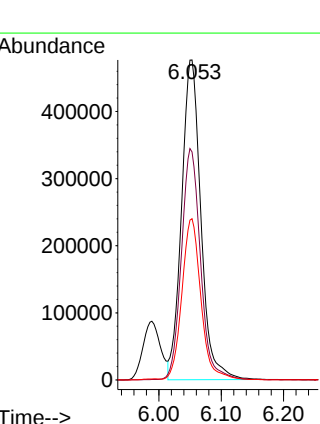
Tgt Ion: 83 Resp: 1024878

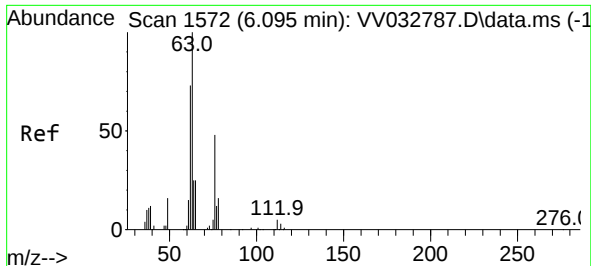
Ion Ratio Lower Upper

83 100

55 71.6 57.8 86.8

98 49.6 39.4 59.2





#37

1,2-Dichloropropane

Concen: 164.651 ug/L

RT: 6.092 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

Instrument :

MSVOA_V

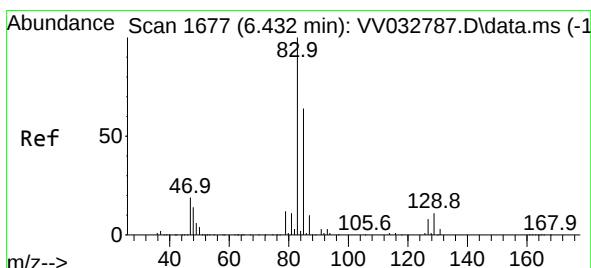
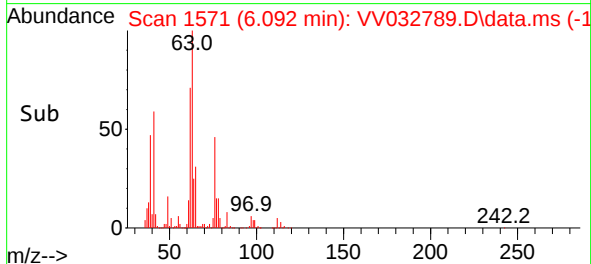
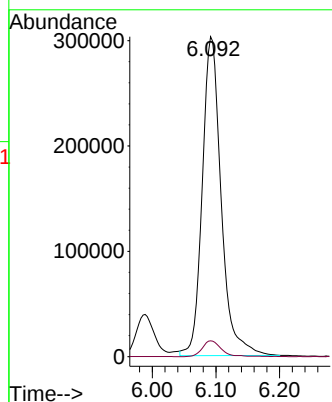
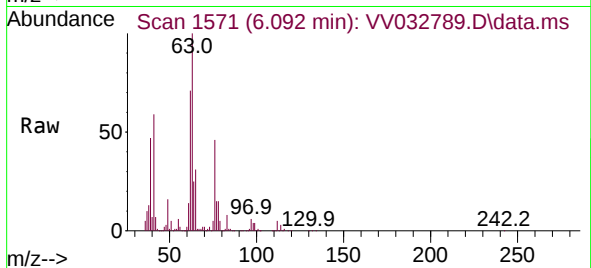
ClientSampleId :

Tgt Ion: 63 Resp: 624953

Ion Ratio Lower Upper

63 100

112 4.8 4.1 6.1



#38

Bromodichloromethane

Concen: 187.566 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

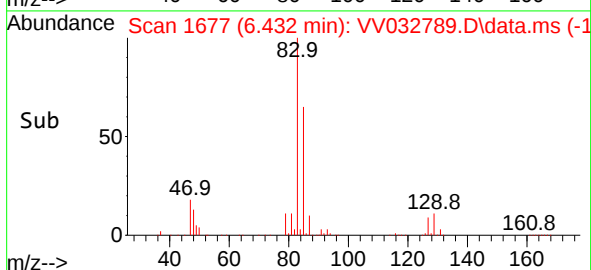
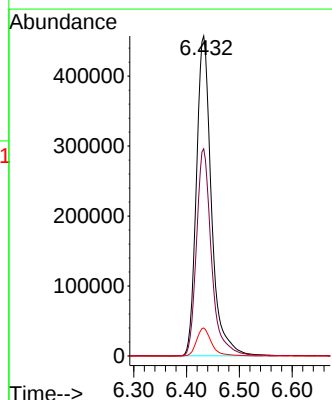
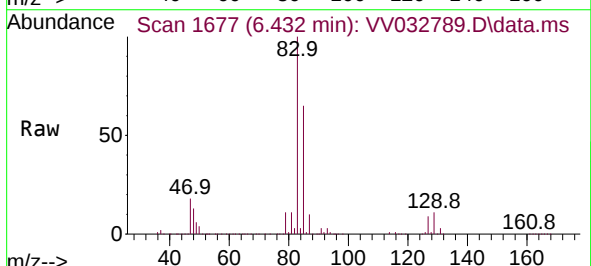
Tgt Ion: 83 Resp: 903473

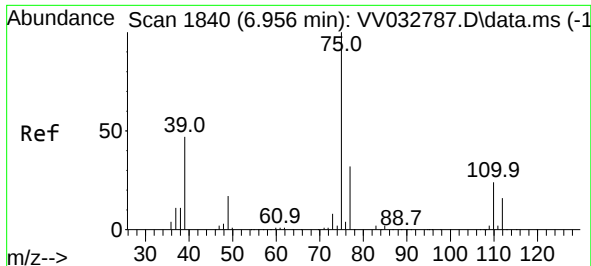
Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.9

127 8.7 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 183.017 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. -0.003 min

Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

Instrument :

MSVOA_V

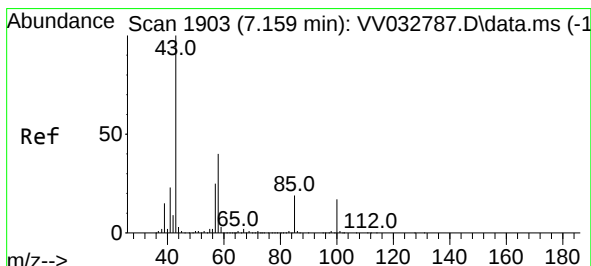
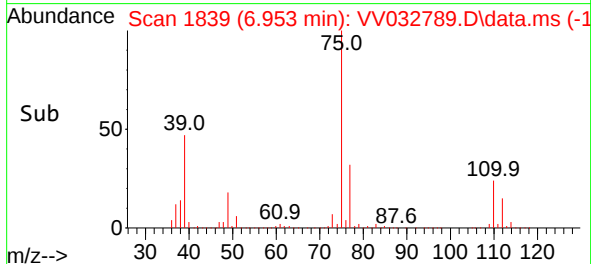
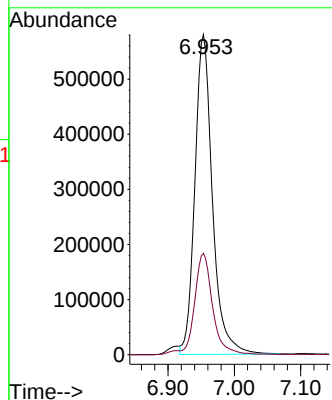
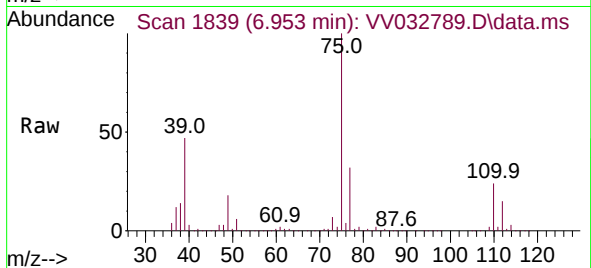
ClientSampleId :

Tgt Ion: 75 Resp: 1065373

Ion Ratio Lower Upper

75 100

77 31.7 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 299.326 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

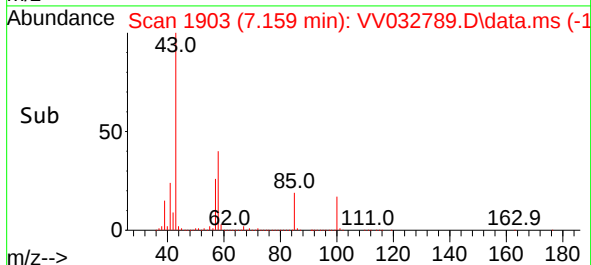
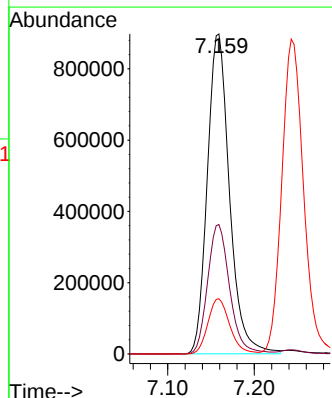
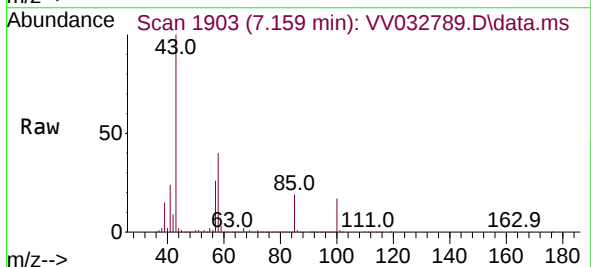
Tgt Ion: 43 Resp: 1599178

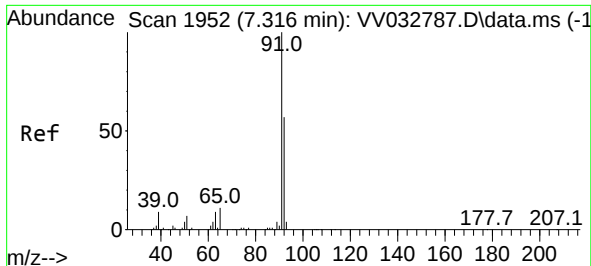
Ion Ratio Lower Upper

43 100

58 40.3 31.4 47.0

100 17.0 13.3 19.9

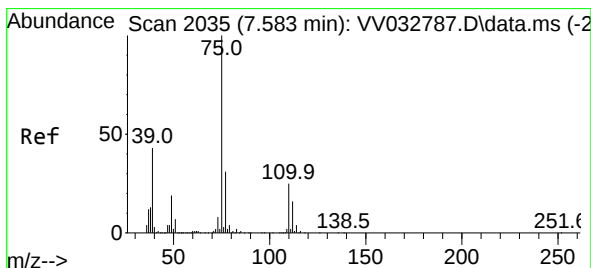
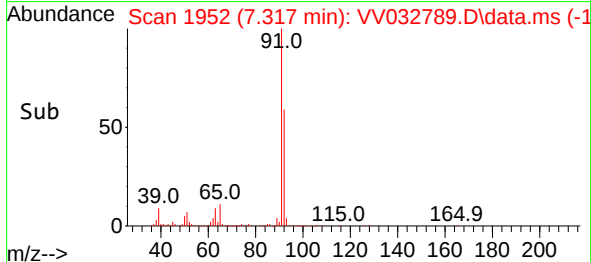
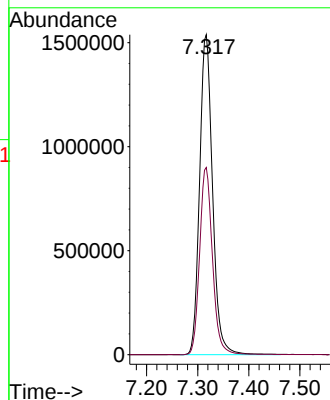
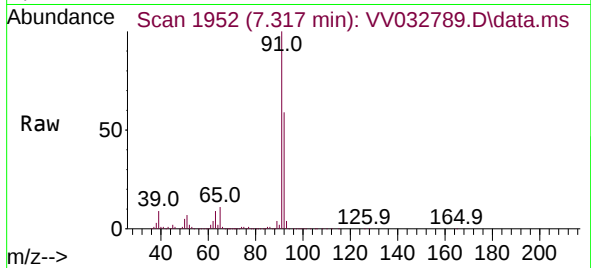




#42
Toluene
Concen: 182.306 ug/L
RT: 7.317 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

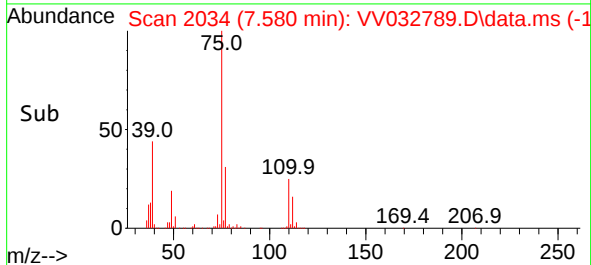
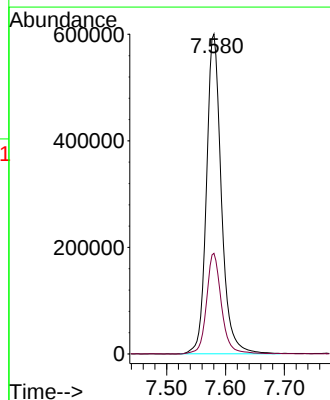
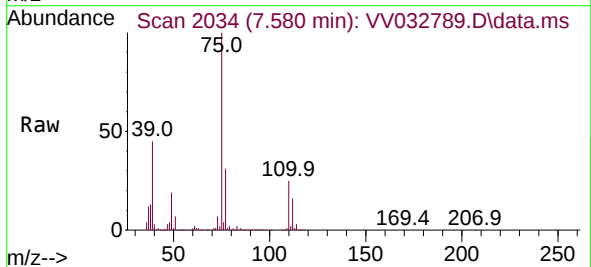
Instrument :
MSVOA_V
ClientSampleId :

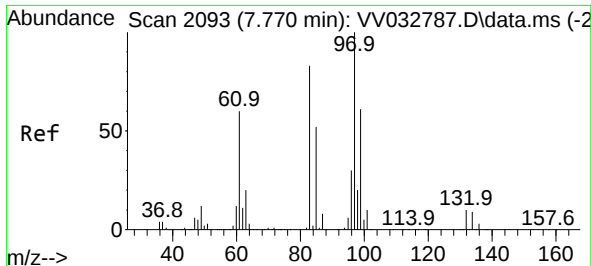
Tgt Ion: 91 Resp: 2706229
Ion Ratio Lower Upper
91 100
92 58.5 40.0 74.2



#44
trans-1,3-Dichloropropene
Concen: 193.320 ug/L
RT: 7.580 min Scan# 2034
Delta R.T. -0.003 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

Tgt Ion: 75 Resp: 1057078
Ion Ratio Lower Upper
75 100
77 31.5 22.0 40.8



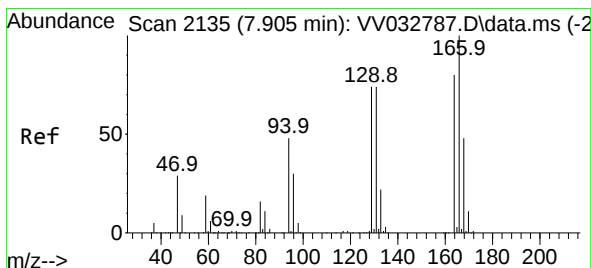
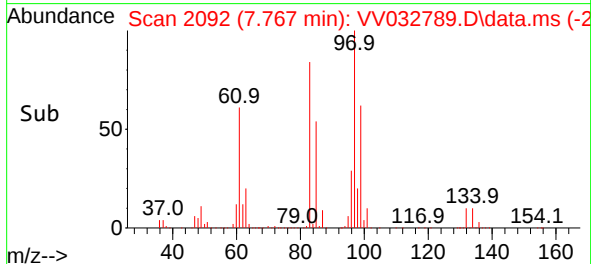
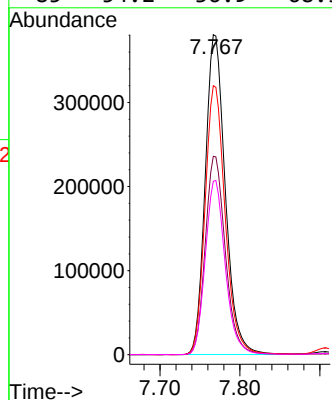
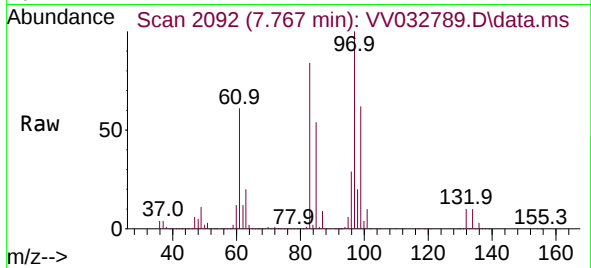


#45
1,1,2-Trichloroethane
Concen: 182.282 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.003 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 664609

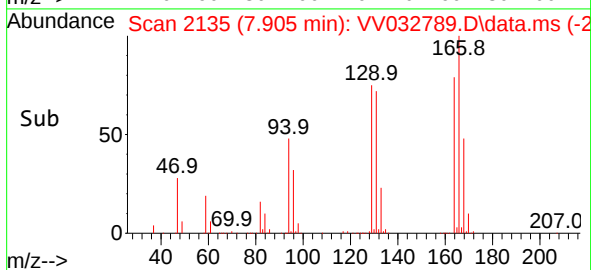
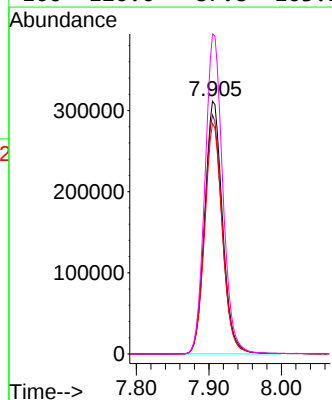
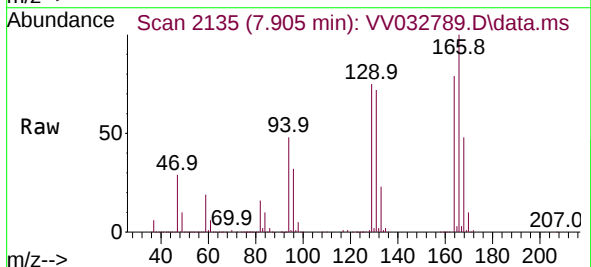
Ion	Ratio	Lower	Upper
97	100		
99	62.0	42.8	79.6
83	84.0	58.4	108.4
85	54.2	36.9	68.5

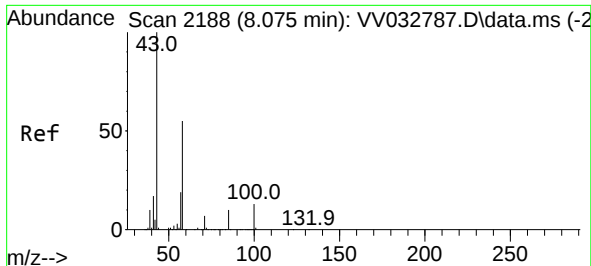


#46
Tetrachloroethene
Concen: 187.485 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

Tgt Ion:164 Resp: 531093

Ion	Ratio	Lower	Upper
164	100		
129	94.6	65.3	121.3
131	91.1	65.0	120.8
166	126.6	87.8	163.2



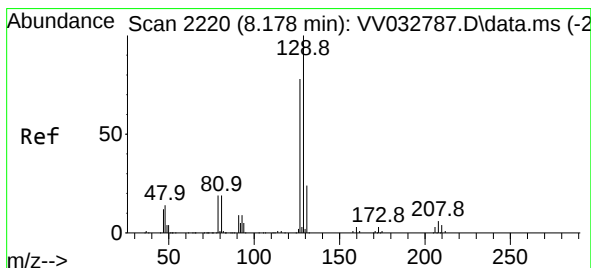
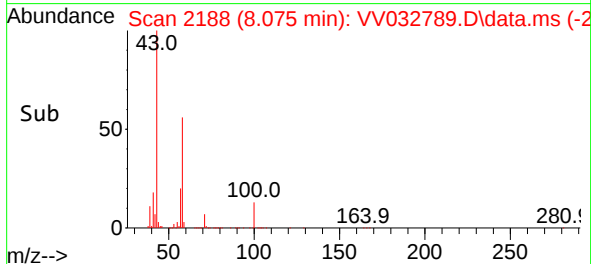
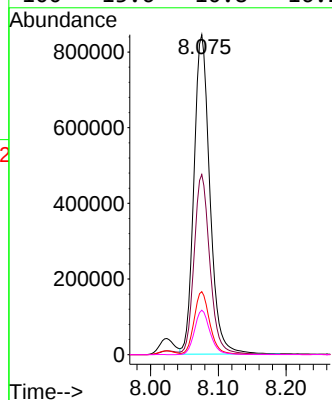
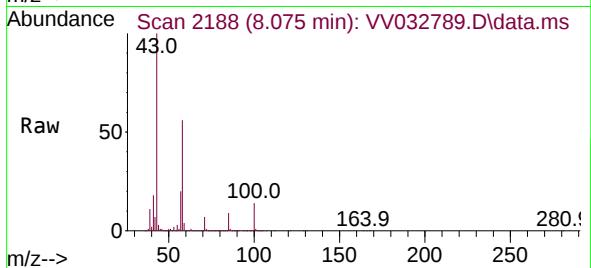


#48
2-Hexanone
Concen: 324.082 ug/L
RT: 8.075 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 1379598

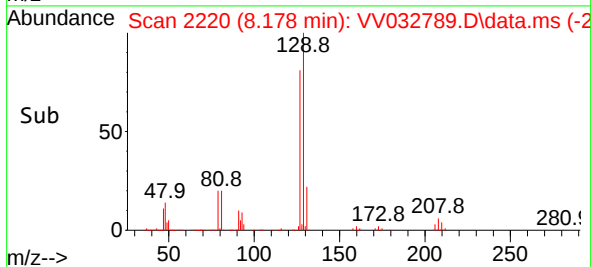
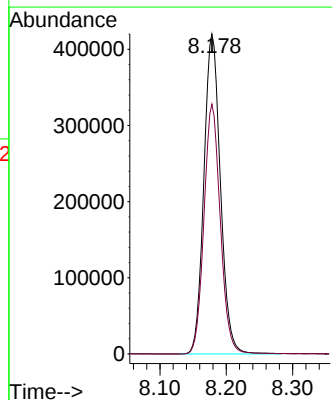
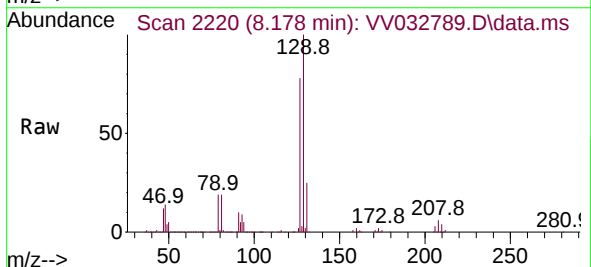
Ion	Ratio	Lower	Upper
43	100		
58	55.5	43.3	64.9
57	19.3	15.5	23.3
100	13.6	10.8	16.2

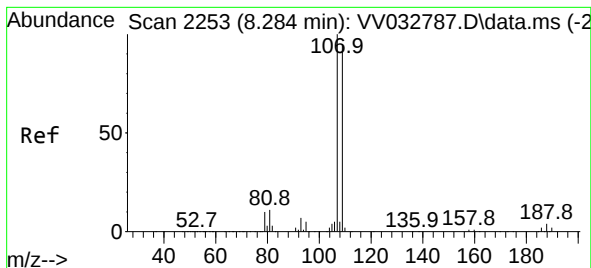


#49
Dibromochloromethane
Concen: 200.069 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

Tgt Ion: 129 Resp: 727858

Ion	Ratio	Lower	Upper
129	100		
127	78.0	54.7	101.5





#50

1,2-Dibromoethane

Concen: 184.027 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

Instrument :

MSVOA_V

ClientSampleId :

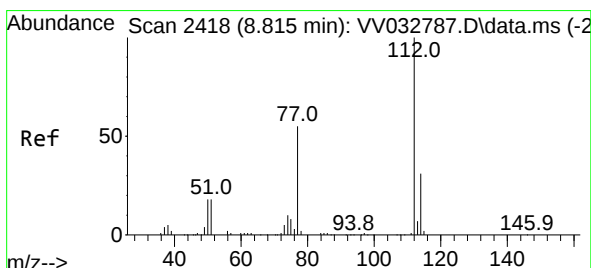
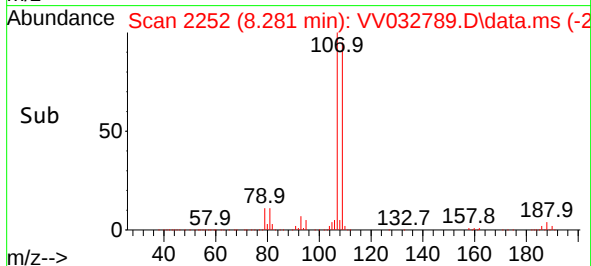
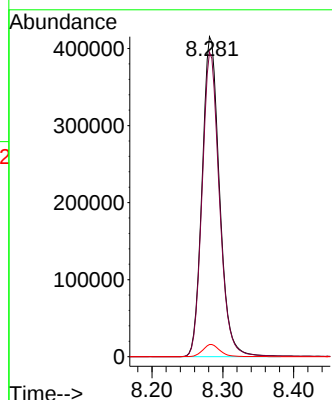
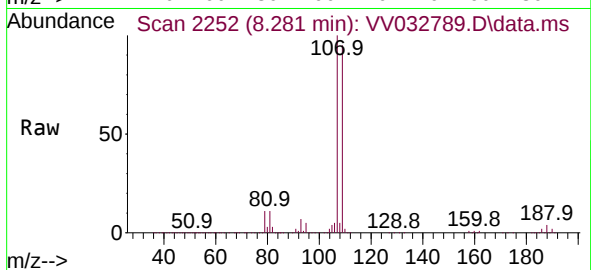
Tgt Ion:107 Resp: 707734

Ion Ratio Lower Upper

107 100

109 95.2 66.4 123.2

188 3.8 3.0 4.6



#51

Chlorobenzene

Concen: 187.211 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.000 min

Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

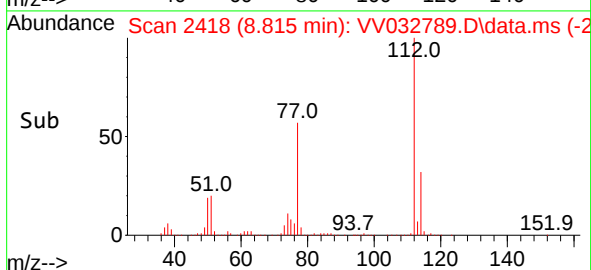
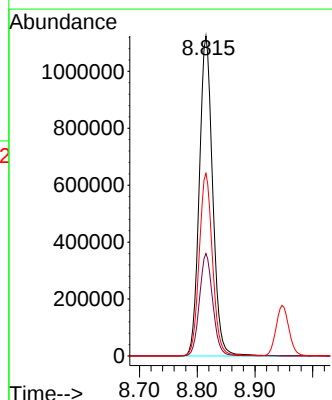
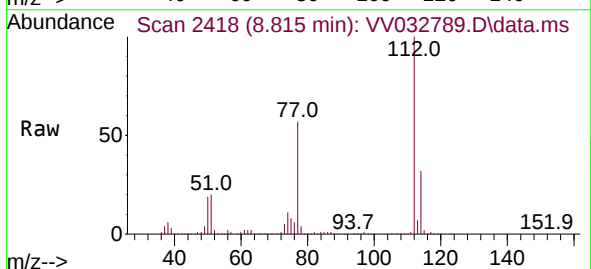
Tgt Ion:112 Resp: 1805006

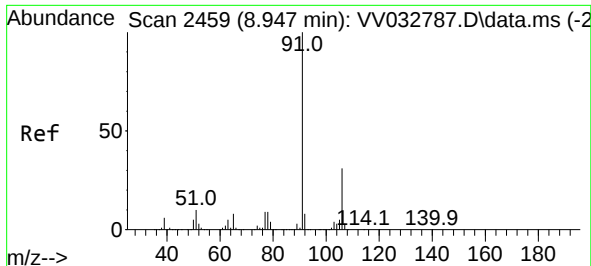
Ion Ratio Lower Upper

112 100

114 32.0 21.6 40.2

77 57.1 44.4 66.6

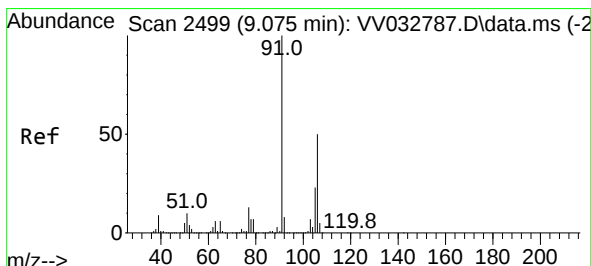
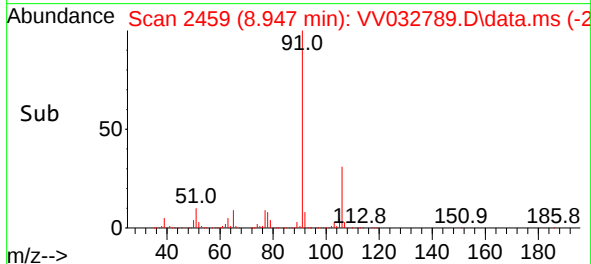
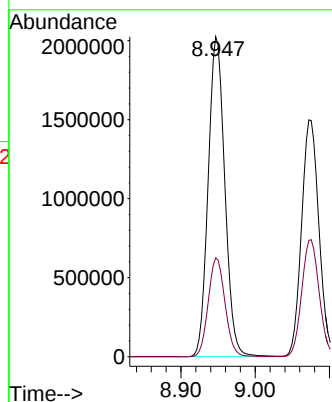
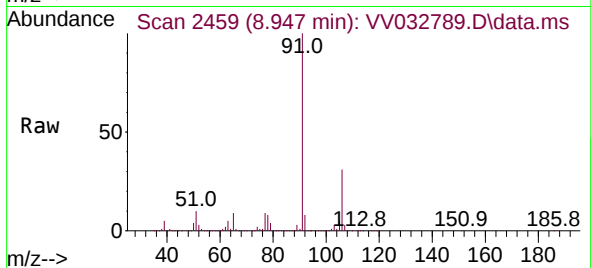




#52
Ethylbenzene
Concen: 190.629 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

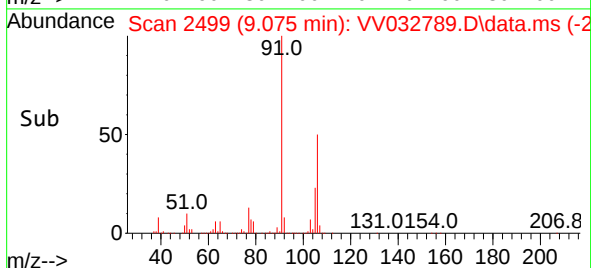
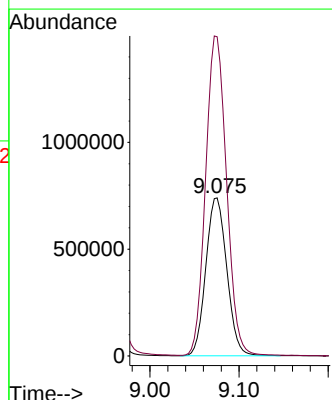
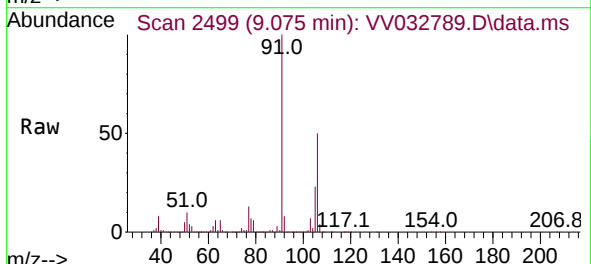
Instrument :
MSVOA_V
ClientSampleId :

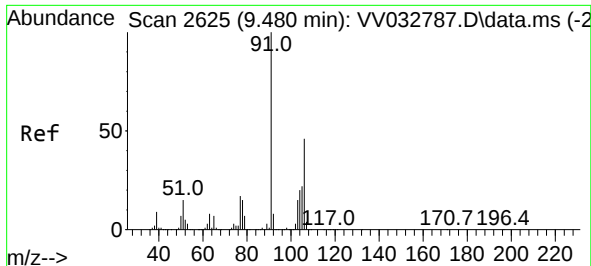
Tgt Ion: 91 Resp: 3143296
Ion Ratio Lower Upper
91 100
106 30.9 21.7 40.3



#53
m,p-Xylene
Concen: 194.989 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.000 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

Tgt Ion:106 Resp: 1209866
Ion Ratio Lower Upper
106 100
91 201.9 139.7 259.5

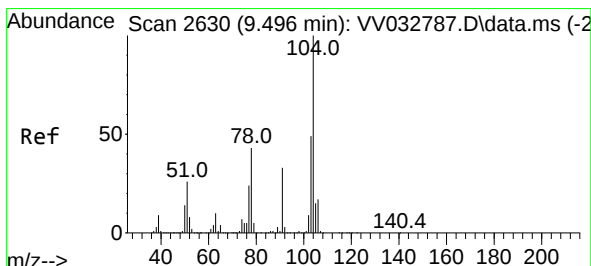
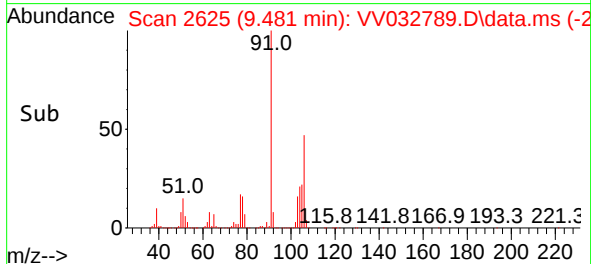
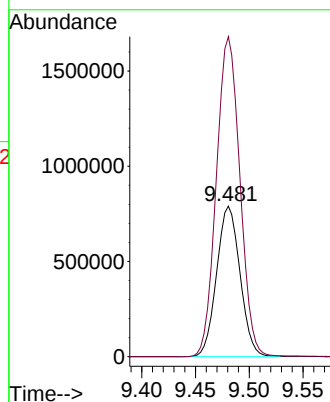
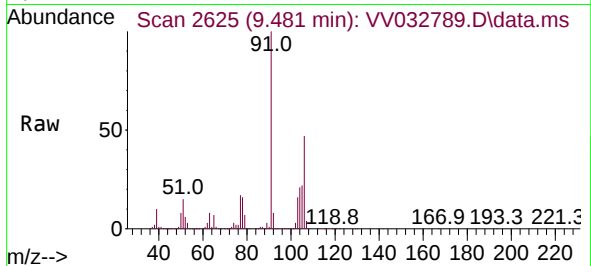




#54
o-Xylene
Concen: 197.355 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

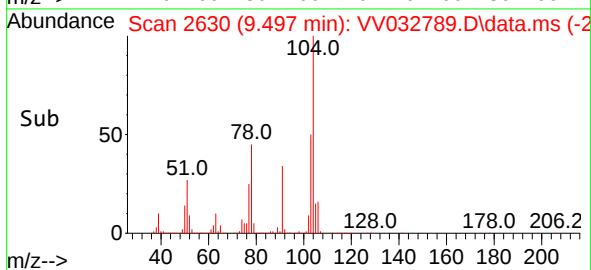
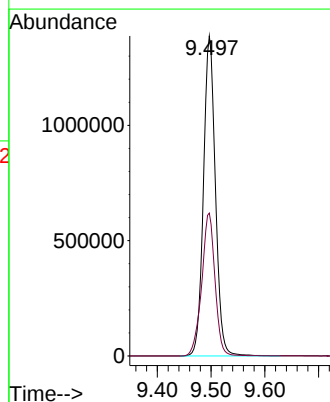
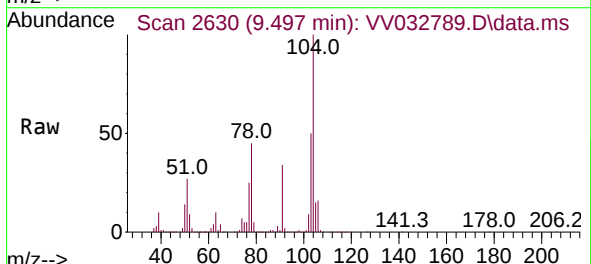
Instrument :
MSVOA_V
ClientSampleId :

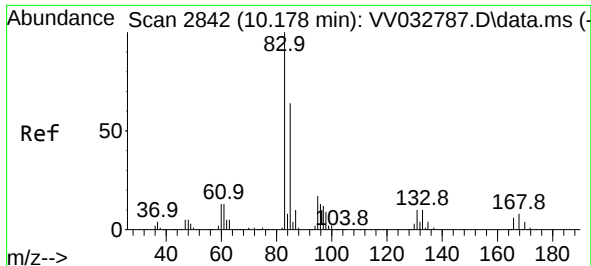
Tgt Ion:106 Resp: 1196672
Ion Ratio Lower Upper
106 100
91 212.6 151.0 280.4



#55
Styrene
Concen: 204.553 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

Tgt Ion:104 Resp: 2144006
Ion Ratio Lower Upper
104 100
78 44.7 30.1 55.9

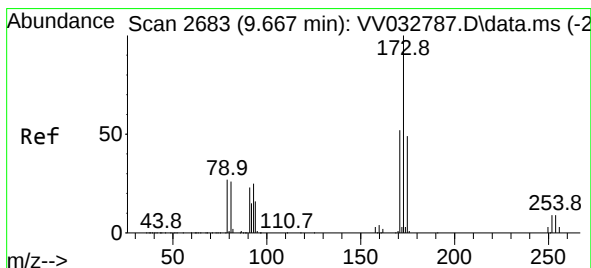
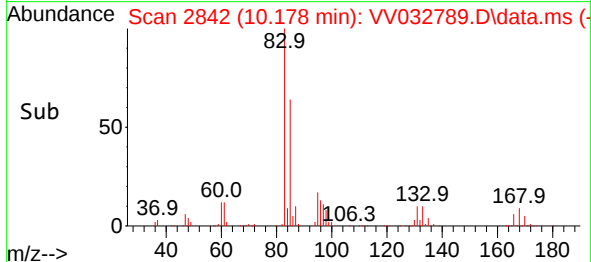
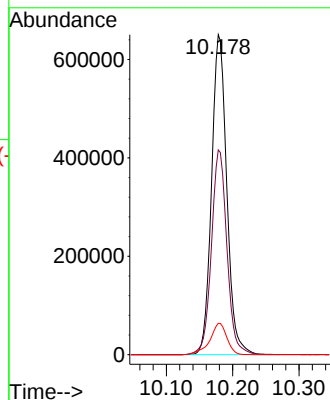
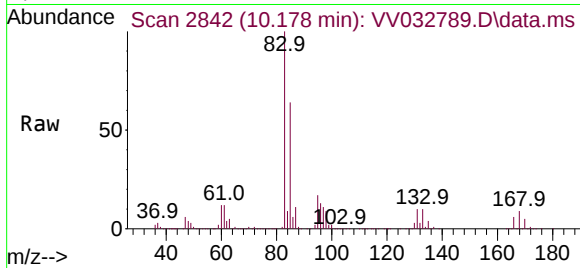




#57
1,1,2,2-Tetrachloroethane
Concen: 184.494 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

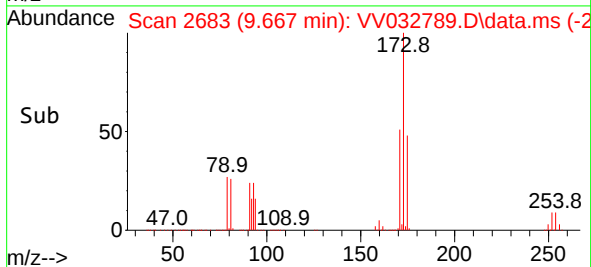
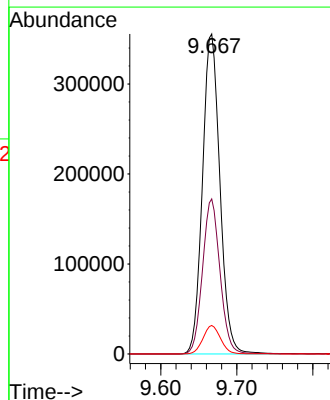
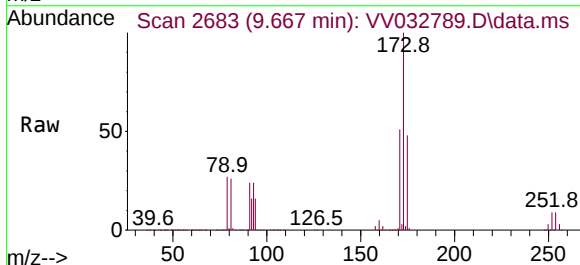
Instrument :
MSVOA_V
ClientSampleId :

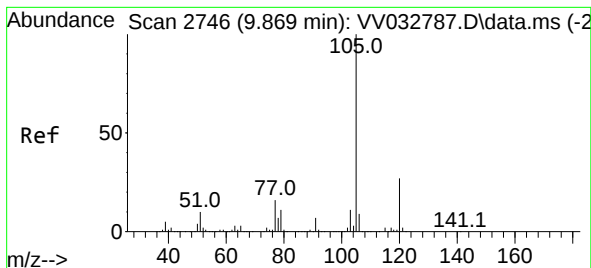
Tgt Ion: 83 Resp: 1034035
Ion Ratio Lower Upper
83 100
85 64.0 44.9 83.3
131 9.8 7.8 11.6



#59
Bromoform
Concen: 200.829 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.000 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

Tgt Ion: 173 Resp: 567355
Ion Ratio Lower Upper
173 100
175 48.4 38.4 57.6
254 8.9 7.0 10.6





#60

Isopropylbenzene

Concen: 188.758 ug/L

RT: 9.870 min Scan# 21

Delta R.T. 0.000 min

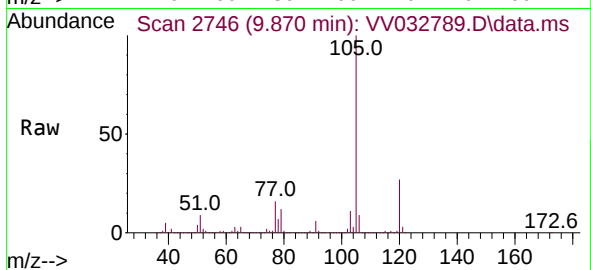
Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

Instrument :

MSVOA_V

ClientSampleId :



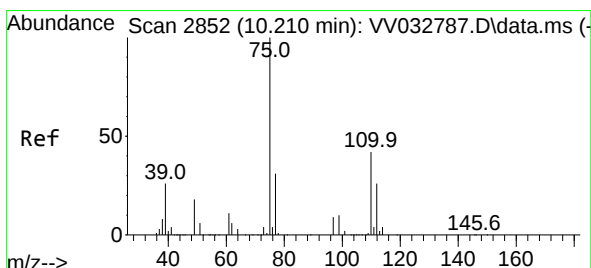
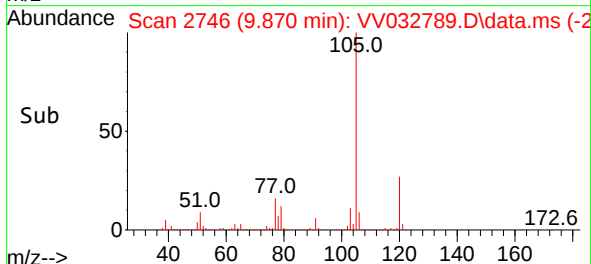
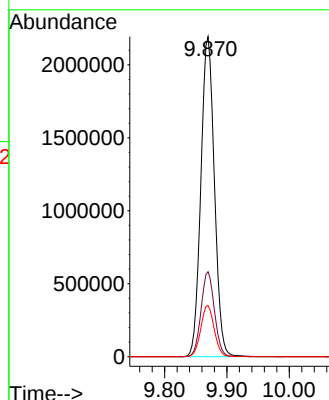
Tgt Ion:105 Resp: 3307594

Ion Ratio Lower Upper

105 100

120 26.3 21.1 31.7

77 15.8 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 162.366 ug/L

RT: 10.210 min Scan# 2852

Delta R.T. 0.000 min

Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

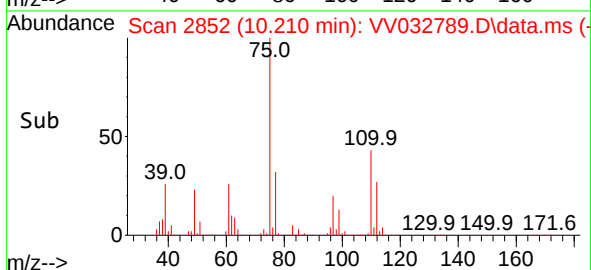
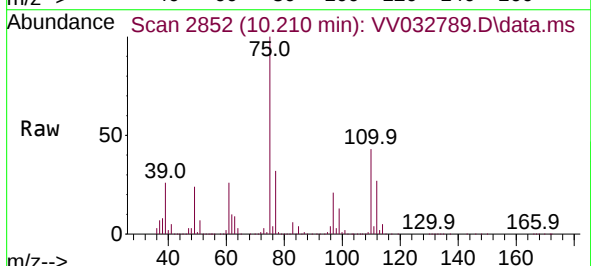
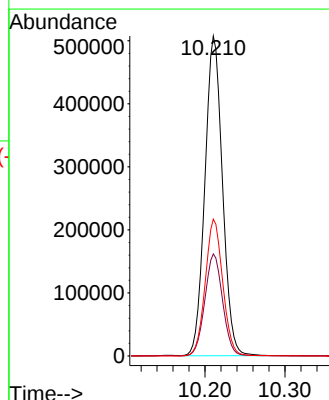
Tgt Ion: 75 Resp: 777261

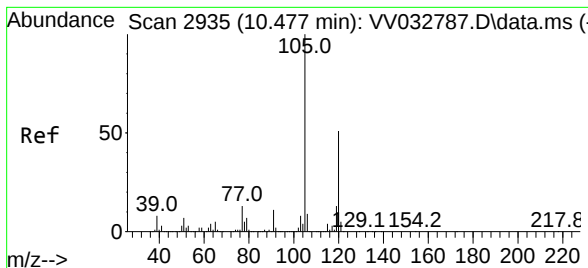
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

110 42.4 34.3 51.5





#62

1,3,5-Trimethylbenzene

Concen: 195.304 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

Instrument :

MSVOA_V

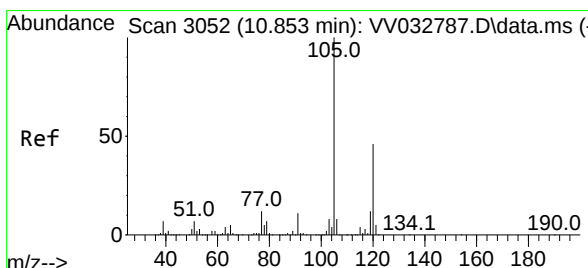
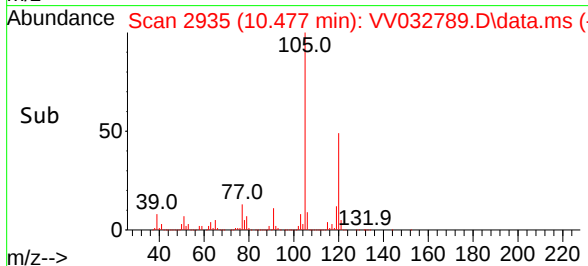
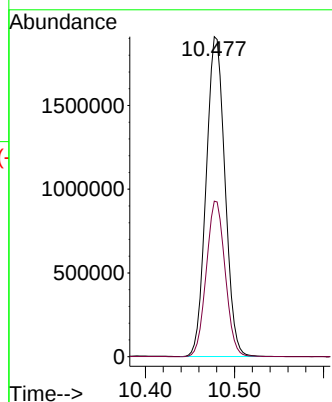
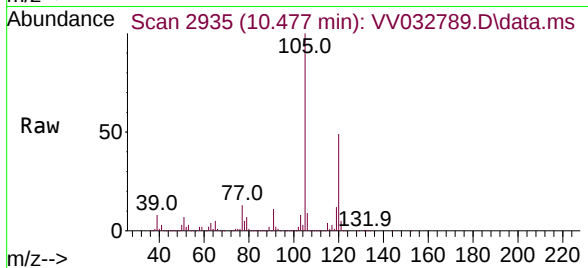
ClientSampleId :

Tgt Ion:105 Resp: 2797236

Ion Ratio Lower Upper

105 100

120 48.7 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 196.874 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV032789.D

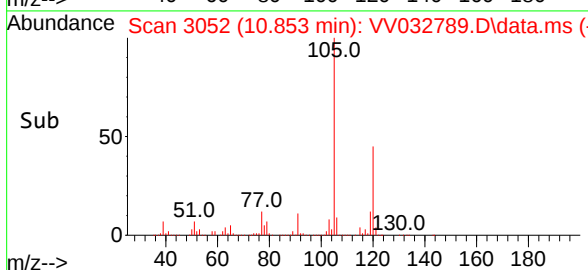
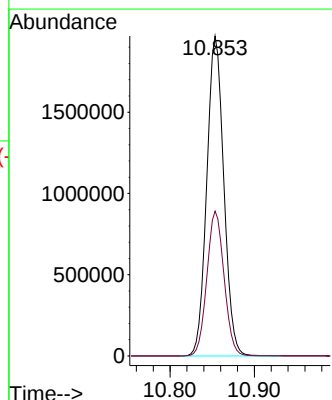
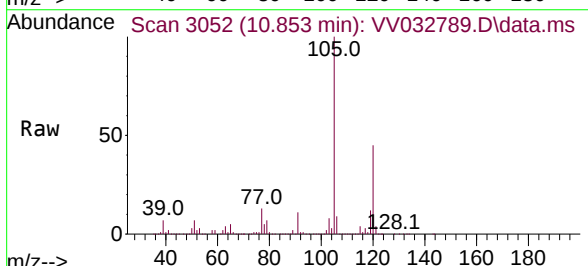
Acq: 31 Oct 2023 10:21

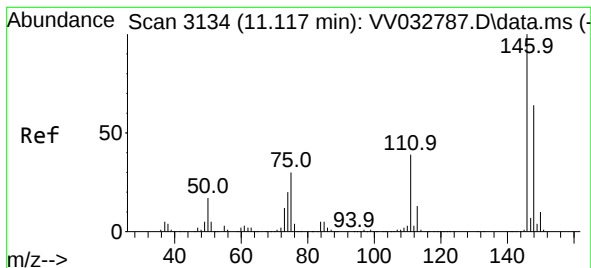
Tgt Ion:105 Resp: 2767505

Ion Ratio Lower Upper

105 100

120 45.7 37.0 55.6





#64

1,3-Dichlorobenzene

Concen: 192.218 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

Instrument :

MSVOA_V

ClientSampleId :

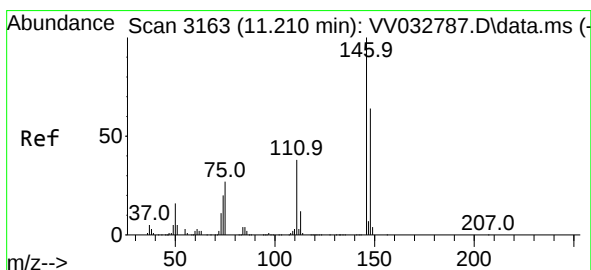
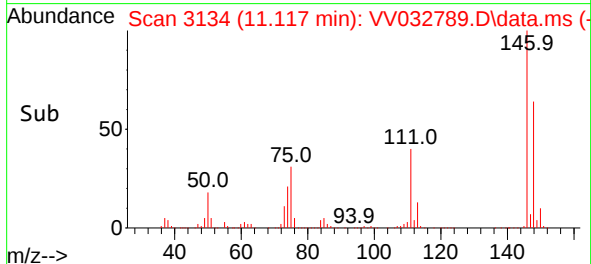
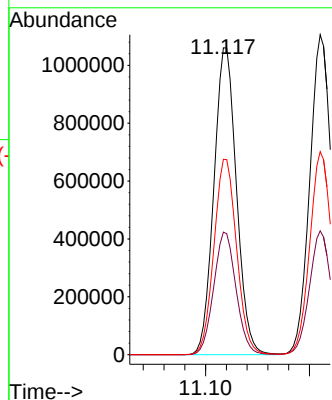
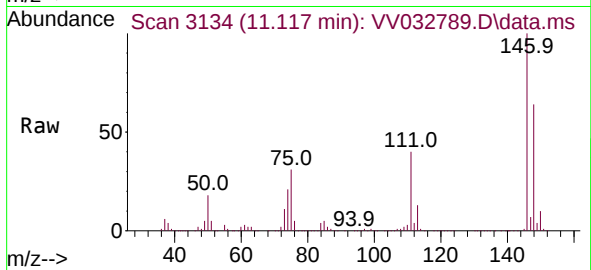
Tgt Ion:146 Resp: 1604223

Ion Ratio Lower Upper

146 100

111 39.9 27.2 50.4

148 63.7 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 193.955 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

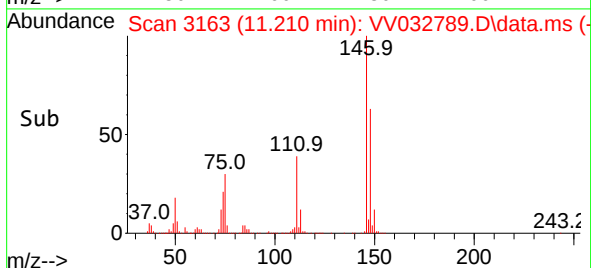
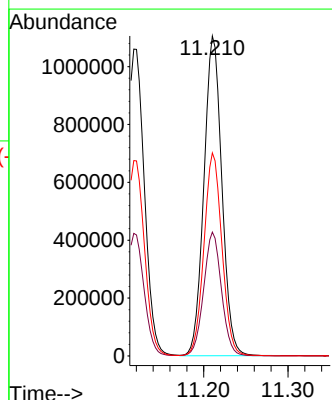
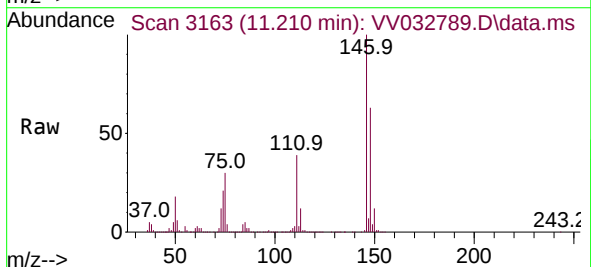
Tgt Ion:146 Resp: 1641794

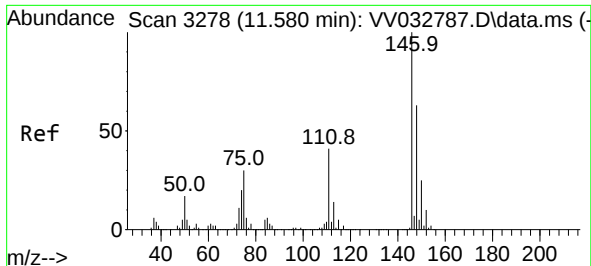
Ion Ratio Lower Upper

146 100

111 38.7 26.5 49.1

148 63.5 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 197.545 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

Instrument :

MSVOA_V

ClientSampleId :

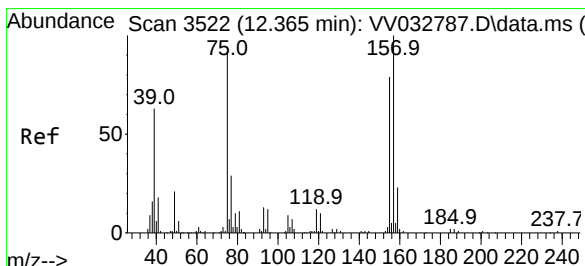
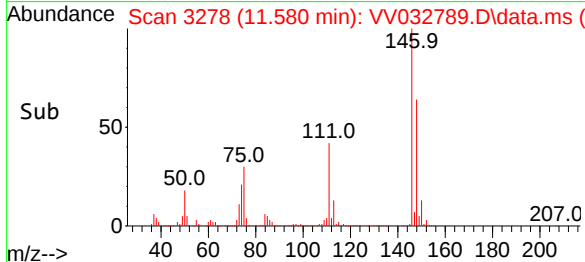
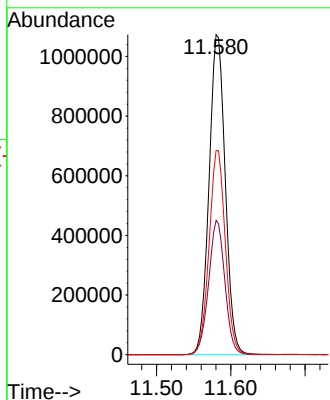
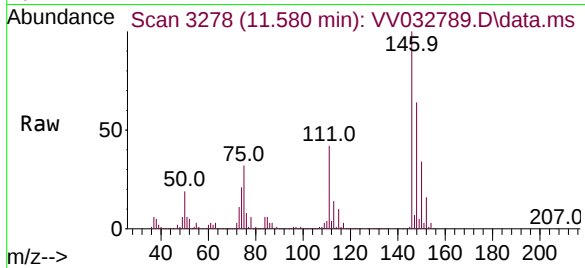
Tgt Ion:146 Resp: 1622760

Ion Ratio Lower Upper

146 100

111 42.0 32.5 48.7

148 63.9 50.6 76.0



#68

1,2-Dibromo-3-chloropropane

Concen: 175.280 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV032789.D

Acq: 31 Oct 2023 10:21

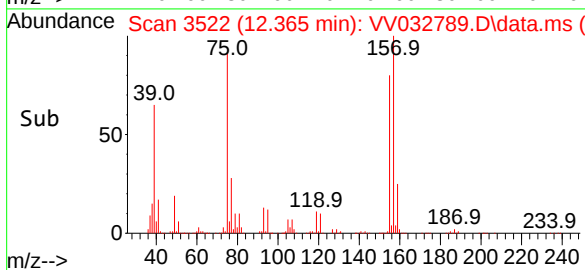
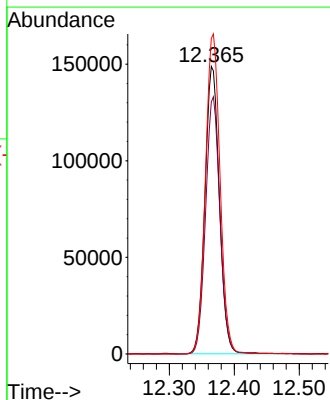
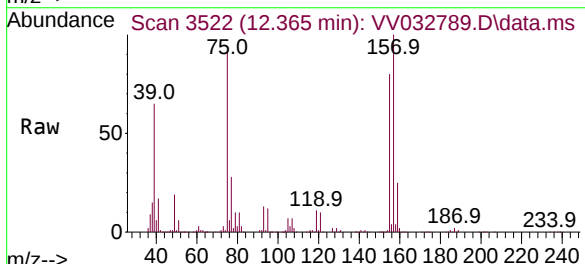
Tgt Ion: 75 Resp: 230025

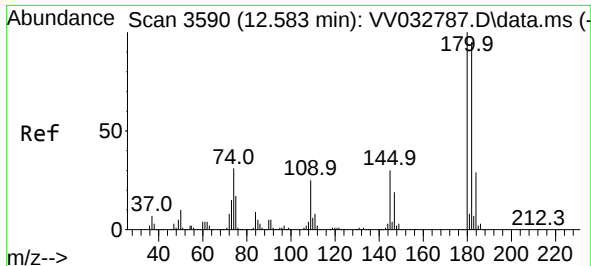
Ion Ratio Lower Upper

75 100

155 87.6 68.6 102.8

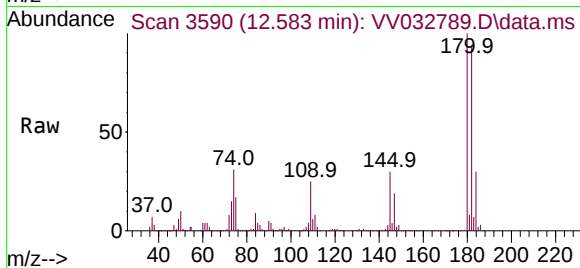
157 109.8 87.3 130.9



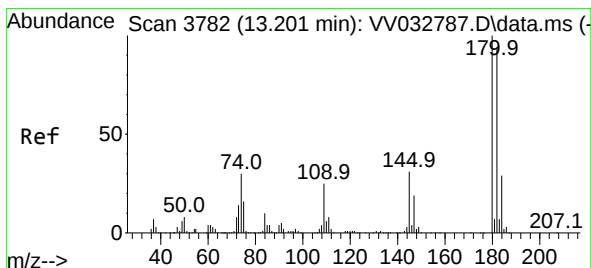
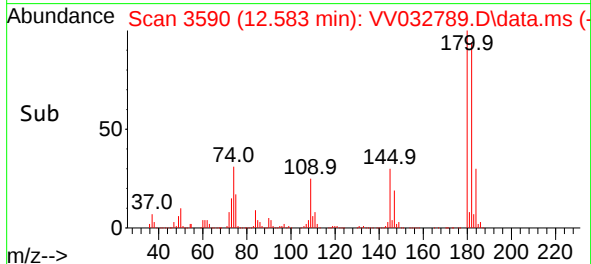
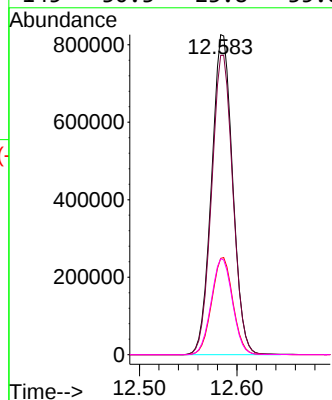


#69
1,3,5-Trichlorobenzene
Concen: 205.131 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. 0.000 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

Instrument :
MSVOA_V
ClientSampleId :

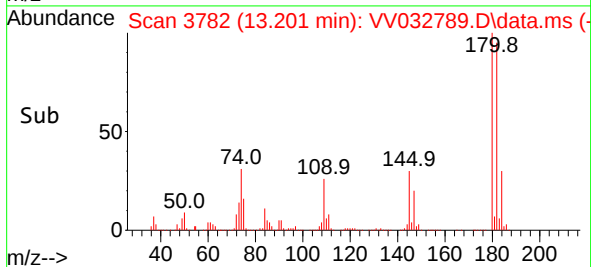
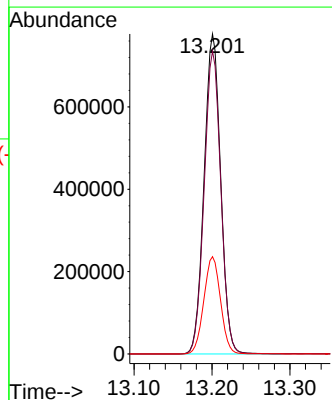
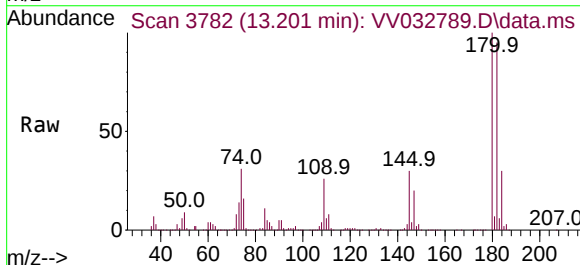


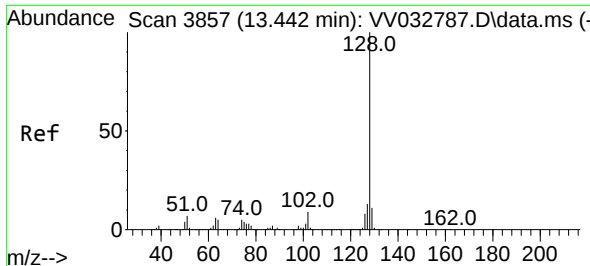
Tgt Ion:180 Resp: 1239412
Ion Ratio Lower Upper
180 100
182 94.5 75.9 113.9
184 30.5 23.5 35.3
145 30.3 23.8 35.8



#70
1,2,4-trichlorobenzene
Concen: 205.463 ug/L
RT: 13.201 min Scan# 3782
Delta R.T. 0.000 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

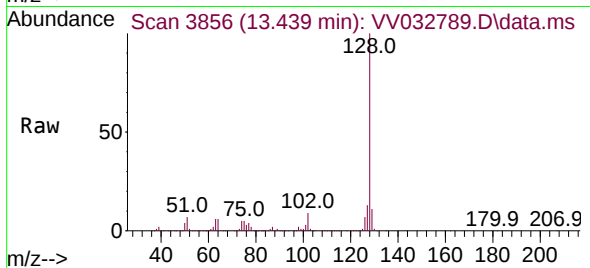
Tgt Ion:180 Resp: 1146702
Ion Ratio Lower Upper
180 100
182 95.0 76.9 115.3
145 30.6 24.7 37.1



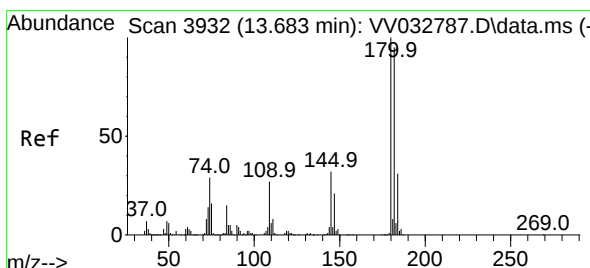
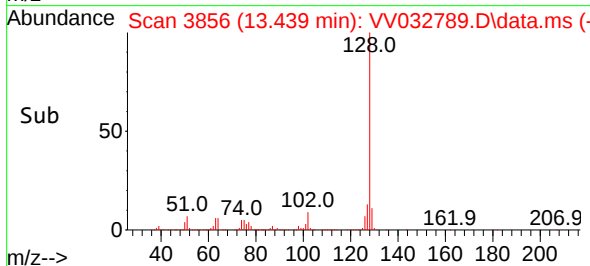
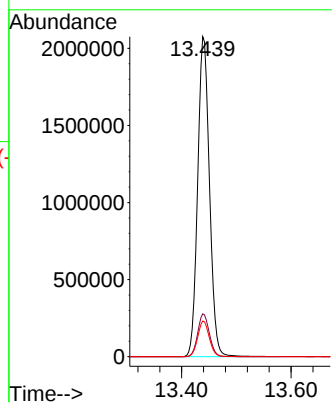


#71
Naphthalene
Concen: 173.976 ug/L
RT: 13.439 min Scan# 3856
Delta R.T. -0.003 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 3101101
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.9 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 193.480 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. 0.000 min
Lab File: VV032789.D
Acq: 31 Oct 2023 10:21

Tgt Ion:180 Resp: 1085009
Ion Ratio Lower Upper
180 100
182 95.2 76.2 114.4
145 32.6 25.8 38.8

