

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW081623\
 Data File : VW031816.D
 Acq On : 16 Aug 2023 11:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 17 01:50:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 16 02:07:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	408536	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	421297	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	261900	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	168401	40.435	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.860%
7) Chloroethane-d5	1.532	69	158015	41.401	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.800%
11) 1,1-Dichloroethene-d2	2.060	65	66470	34.480	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.960%
21) 2-Butanone-d5	3.786	46	286757	99.504	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.500%
24) Chloroform-d	4.252	84	403073	47.074	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.140%
26) 1,2-Dichloroethane-d4	4.944	65	247680	46.490	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.980%
32) Benzene-d6	4.963	84	718811	53.881	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.760%
36) 1,2-Dichloropropane-d6	5.992	67	242371	48.365	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.740%
41) Toluene-d8	7.246	98	676992	60.542	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	121.080%#
43) trans-1,3-Dichloroprop...	7.558	79	112446	52.204	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.400%
47) 2-Hexanone-d5	8.027	63	197626	105.164	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.160%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	294325	42.627	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.260%
66) 1,2-Dichlorobenzene-d4	11.564	152	262121	49.432	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.860%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	217284	43.036	ug/L	100
3) Chloromethane	1.217	50	220718	45.963	ug/L	98
5) Vinyl chloride	1.281	62	229253	47.130	ug/L	98
6) Bromomethane	1.484	94	149190	44.498	ug/L	99
8) Chloroethane	1.548	64	139468	42.959	ug/L	100
9) Trichlorofluoromethane	1.712	101	335614	40.928	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	177189	37.406	ug/L	96
12) 1,1-Dichloroethene	2.069	96	144111	36.605	ug/L	98
13) Acetone	2.114	43	183782	66.625	ug/L	98
14) Carbon disulfide	2.240	76	434435	44.891	ug/L	100
15) Methyl Acetate	2.375	43	232688	48.441	ug/L	96
16) Methylene chloride	2.449	84	208208	47.074	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	175218	50.032	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	600480	52.120	ug/L	100
19) 1,1-Dichloroethane	3.114	63	381683	47.081	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	197820	50.018	ug/L	96
22) 2-Butanone	3.870	43	324317	103.369	ug/L	99
23) Bromochloromethane	4.149	128	104308	47.632	ug/L	92
25) Chloroform	4.278	83	405415	47.211	ug/L	99

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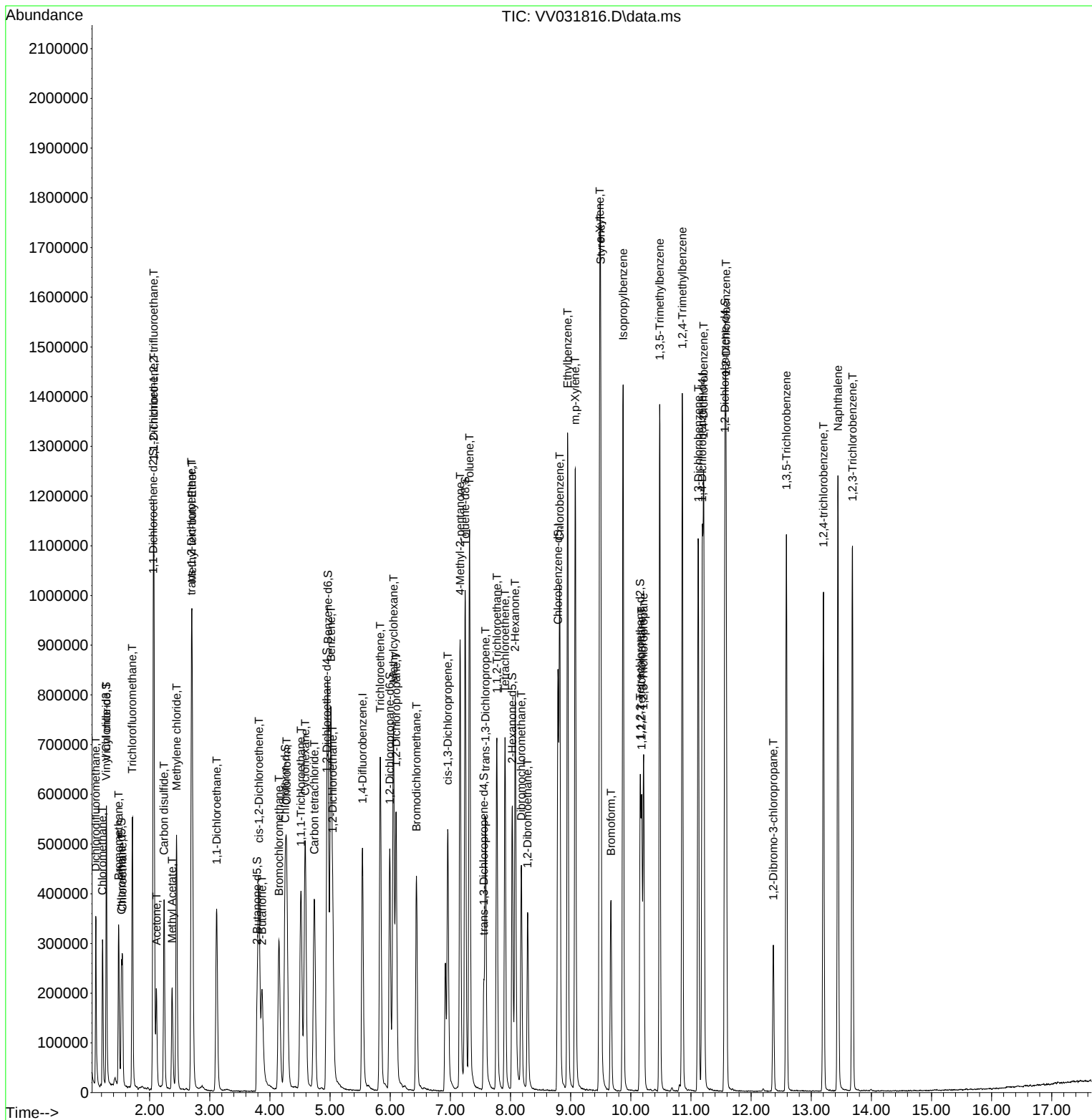
Instrument :
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 ClientSampleId :

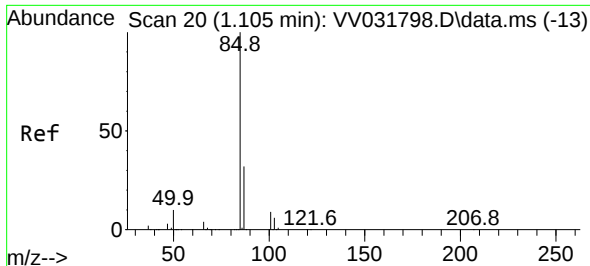
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	300451	47.043	ug/L	98
29) Cyclohexane	4.587	56	272960	52.619	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	351068	48.511	ug/L	98
31) Carbon tetrachloride	4.738	117	306750	48.545	ug/L	98
33) Benzene	5.014	78	760866	51.346	ug/L	100
34) Trichloroethene	5.834	95	235029	50.262	ug/L	95
35) Methylcyclohexane	6.056	83	280703	53.968	ug/L	98
37) 1,2-Dichloropropane	6.098	63	214898	48.819	ug/L	100
38) Bromodichloromethane	6.436	83	302621	48.194	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	308046	49.293	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	620580	110.691	ug/L	98
42) Toluene	7.320	91	829772	54.523	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	331146	53.099	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	221123	49.782	ug/L	98
46) Tetrachloroethene	7.908	164	156210	52.870	ug/L	97
48) 2-Hexanone	8.079	43	511812	114.450	ug/L	97
49) Dibromochloromethane	8.181	129	237590	50.689	ug/L	98
50) 1,2-Dibromoethane	8.284	107	235289	50.282	ug/L	97
51) Chlorobenzene	8.818	112	520505	51.186	ug/L	99
52) Ethylbenzene	8.950	91	900063	54.574	ug/L	98
53) m,p-Xylene	9.075	106	332880	55.970	ug/L	96
54) o-Xylene	9.484	106	313309	54.965	ug/L	99
55) Styrene	9.500	104	595825	57.221	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	278036	45.142	ug/L	96
59) Bromoform	9.670	173	172839	48.132	ug/L #	97
60) Isopropylbenzene	9.873	105	860512	52.647	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	278494	45.334	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	713980	53.987	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	722362	53.956	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	439529	51.442	ug/L	98
65) 1,4-Dichlorobenzene	11.214	146	467449	51.465	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	447652	50.885	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	78680	46.049	ug/L	94
69) 1,3,5-Trichlorobenzene	12.586	180	329640	52.898	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	293698	52.680	ug/L	100
71) Naphthalene	13.445	128	902259	56.144	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	319005	54.739	ug/L	100

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

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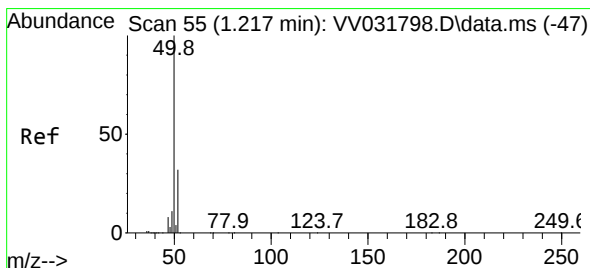
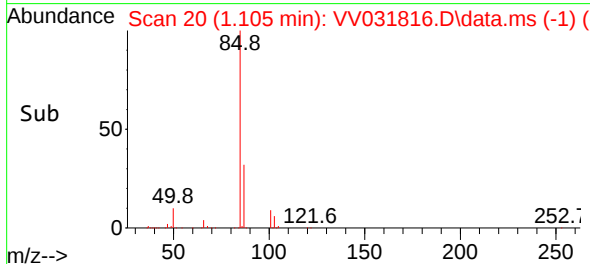
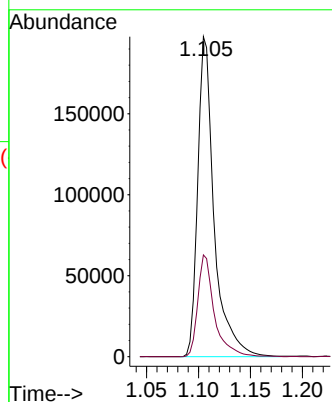
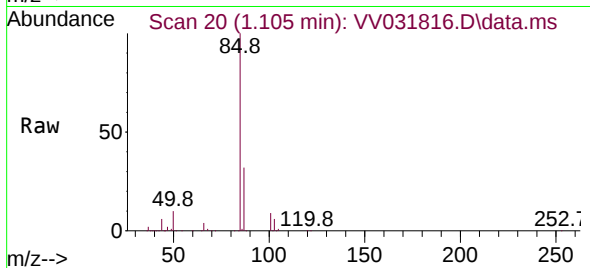




#2
 Dichlorodifluoromethane
 Concen: 43.036 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV031816.D
 Acq: 16 Aug 2023 11:48

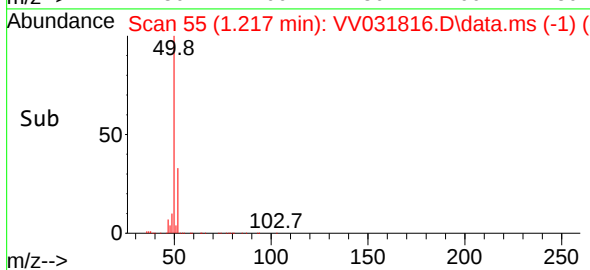
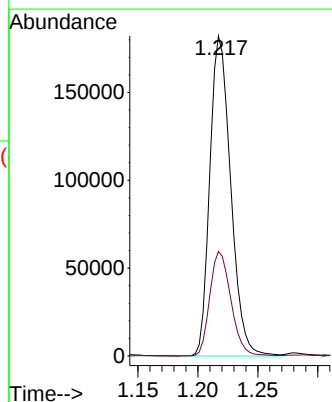
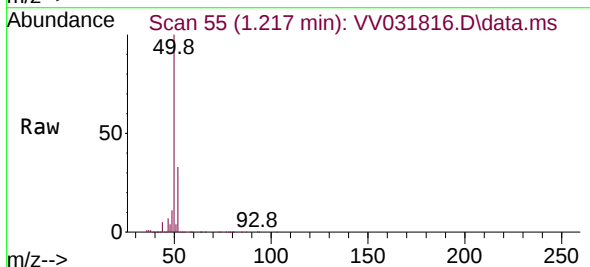
Instrument :
 MSVOA_V
 ClientSampleId :

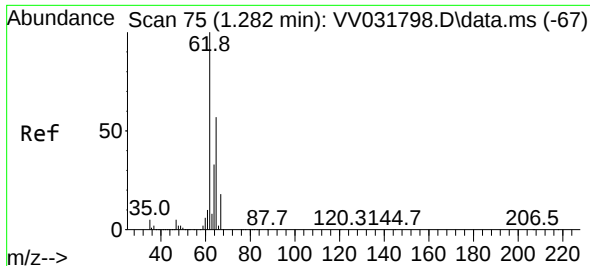
Tgt Ion: 85 Resp: 217284
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.8 38.6



#3
 Chloromethane
 Concen: 45.963 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031816.D
 Acq: 16 Aug 2023 11:48

Tgt Ion: 50 Resp: 220718
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.7 44.1

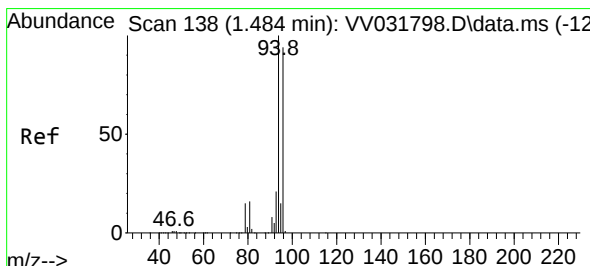
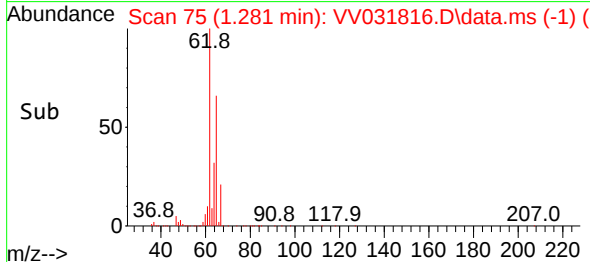
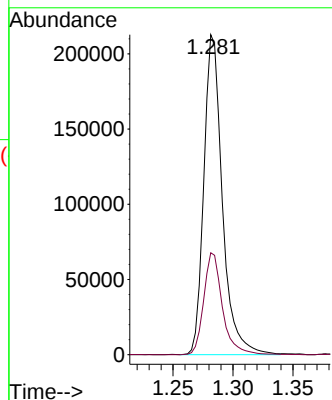
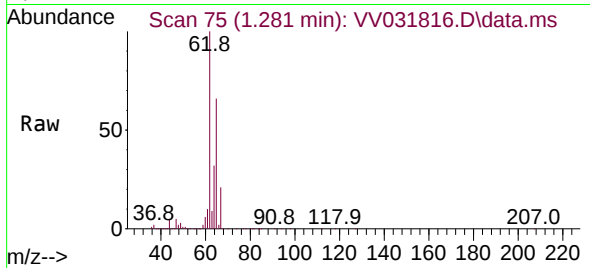




#5
 Vinyl chloride
 Concen: 47.130 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV031816.D
 Acq: 16 Aug 2023 11:48

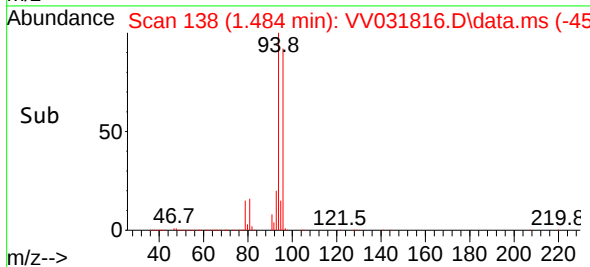
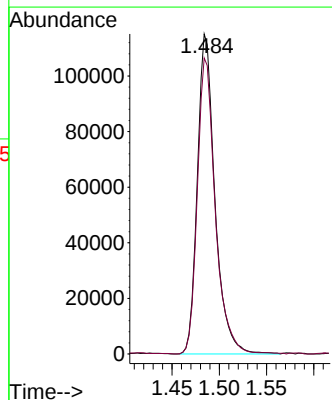
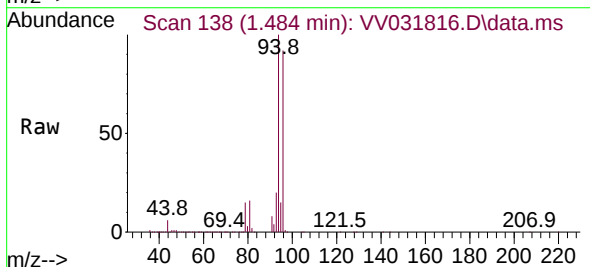
Instrument :
 MSVOA_V
 ClientSampleId :

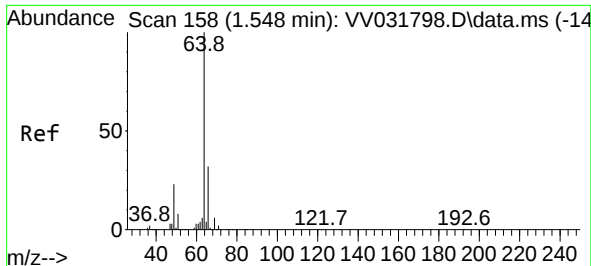
Tgt Ion: 62 Resp: 229253
 Ion Ratio Lower Upper
 62 100
 64 31.9 22.9 42.5



#6
 Bromomethane
 Concen: 44.498 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV031816.D
 Acq: 16 Aug 2023 11:48

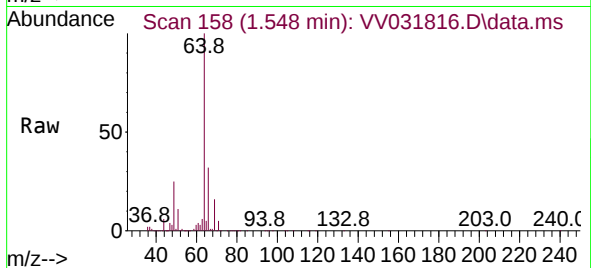
Tgt Ion: 94 Resp: 149190
 Ion Ratio Lower Upper
 94 100
 96 92.5 65.7 121.9



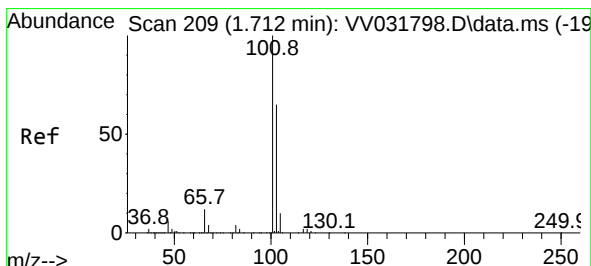
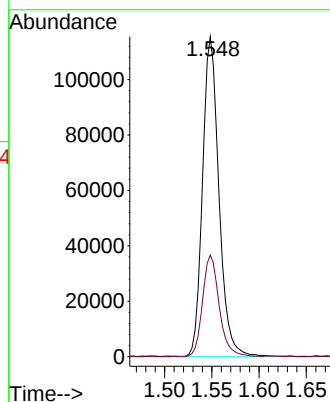
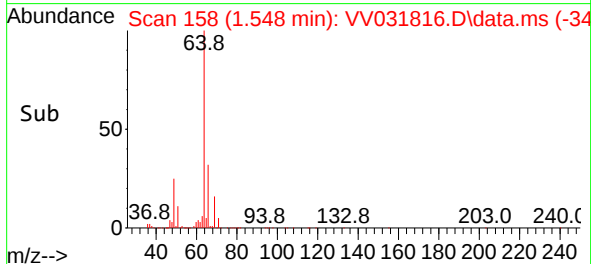


#8
Chloroethane
Concen: 42.959 ug/L
RT: 1.548 min Scan# 158
Delta R.T. -0.000 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

Instrument :
MSVOA_V
ClientSampleId :

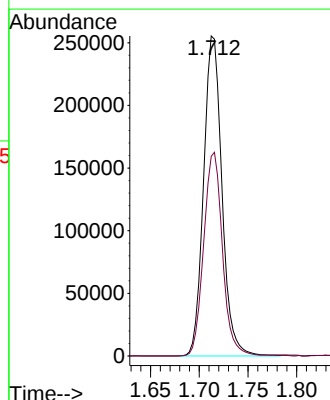
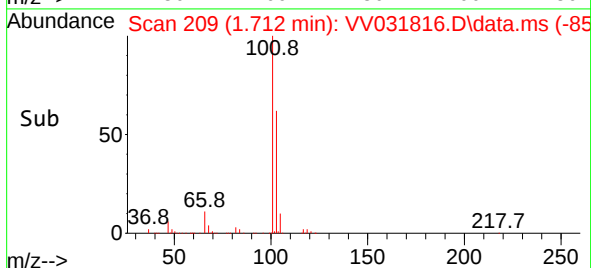
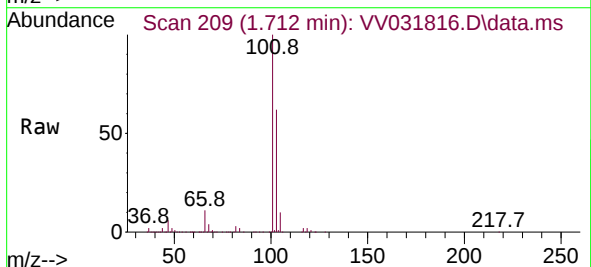


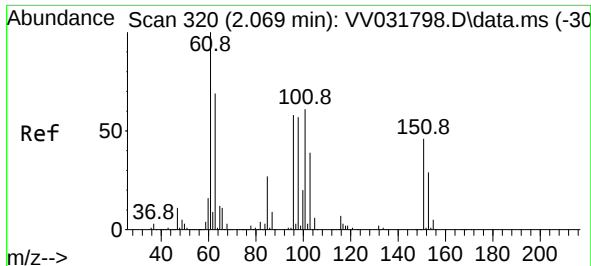
Tgt Ion: 64 Resp: 139468
Ion Ratio Lower Upper
64 100
66 31.8 22.4 41.6



#9
Trichlorofluoromethane
Concen: 40.928 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

Tgt Ion: 101 Resp: 335614
Ion Ratio Lower Upper
101 100
103 65.0 51.7 77.5





#10

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

Concen: 37.406 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031816.D

Acq: 16 Aug 2023 11:48

Instrument :

MSVOA_V

ClientSampleId :

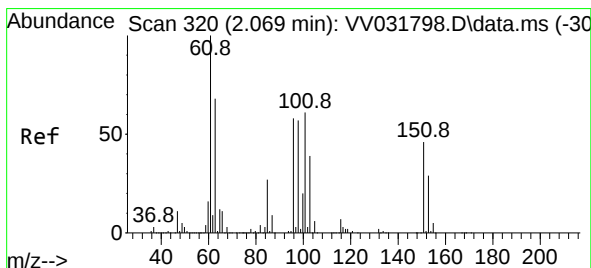
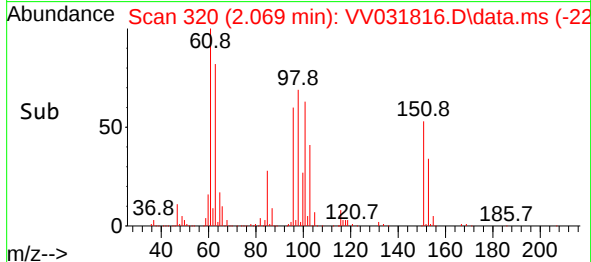
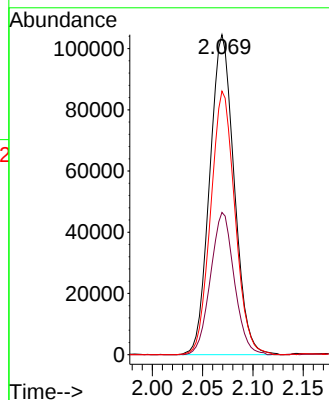
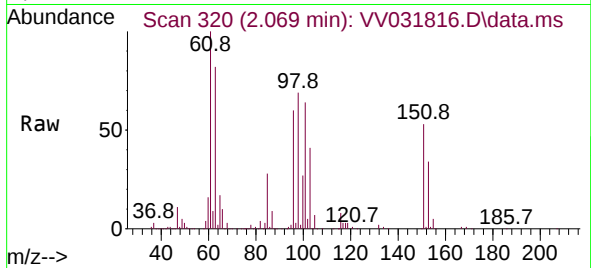
Tgt Ion:101 Resp: 177189

Ion Ratio Lower Upper

101 100

85 43.1 33.9 50.9

151 81.7 61.0 91.6



#12

1,1-Dichloroethene

Concen: 36.605 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV031816.D

Acq: 16 Aug 2023 11:48

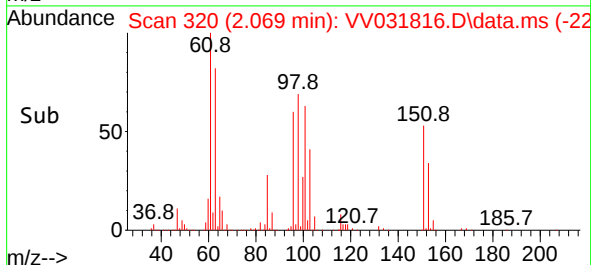
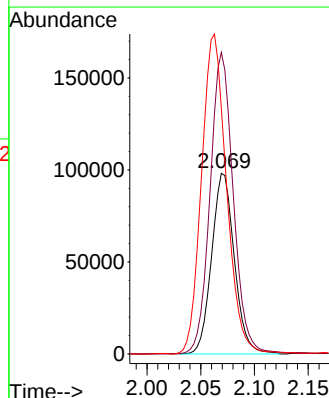
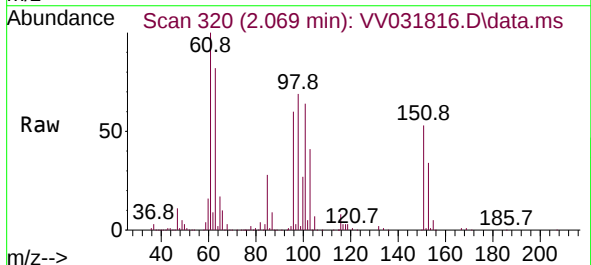
Tgt Ion: 96 Resp: 144111

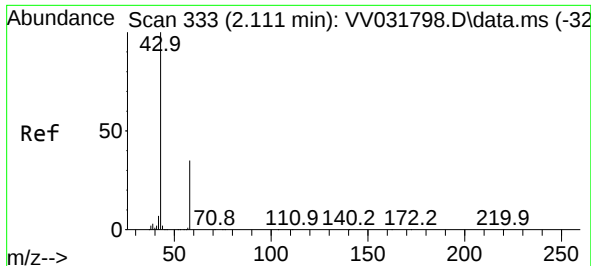
Ion Ratio Lower Upper

96 100

61 166.9 118.3 219.7

63 136.1 96.8 179.8





#13

Acetone

Concen: 66.625 ug/L

RT: 2.114 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031816.D

Acq: 16 Aug 2023 11:48

Instrument :

MSVOA_V

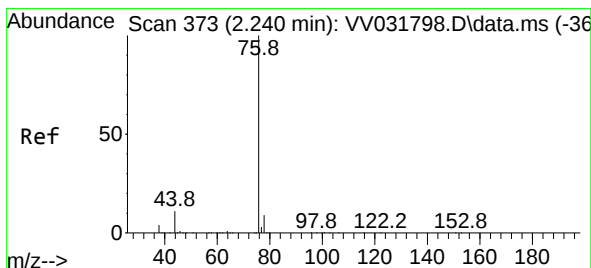
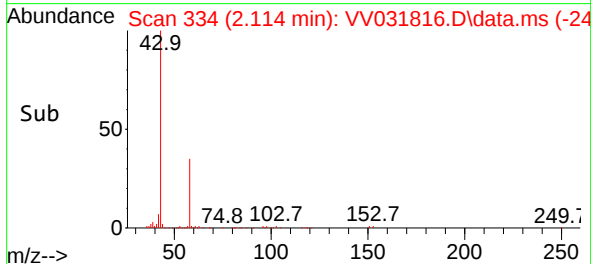
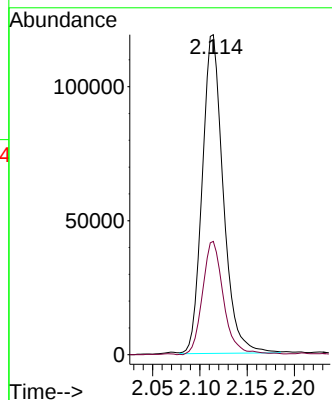
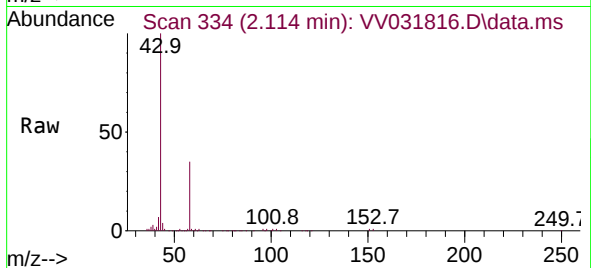
ClientSampleId :

Tgt Ion: 43 Resp: 183782

Ion Ratio Lower Upper

43 100

58 35.0 0.0 72.0



#14

Carbon disulfide

Concen: 44.891 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV031816.D

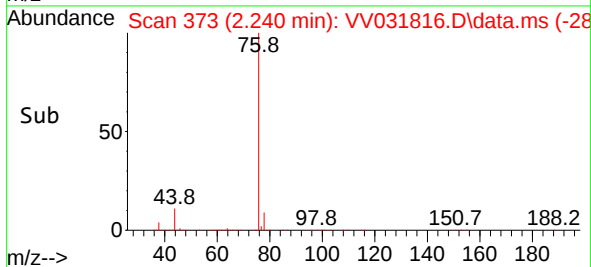
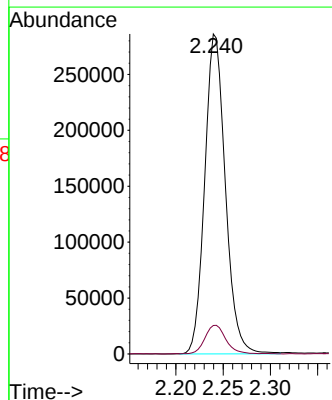
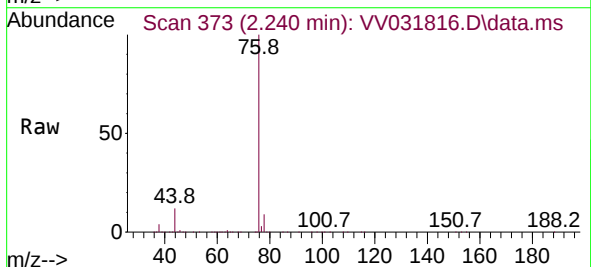
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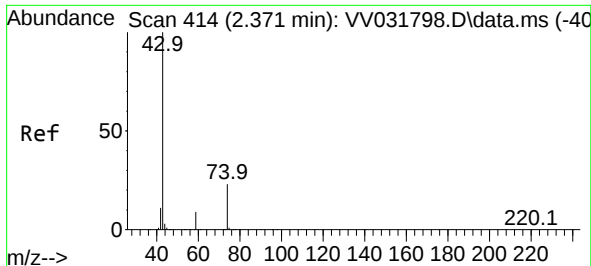
Tgt Ion: 76 Resp: 434435

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

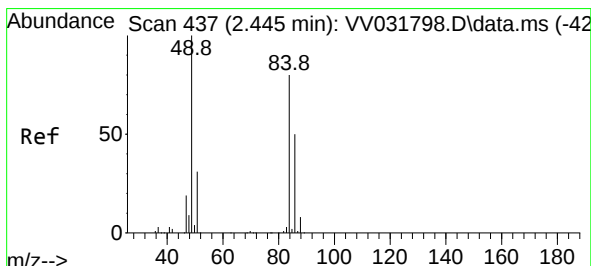
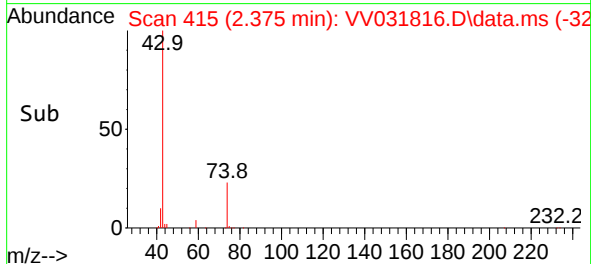
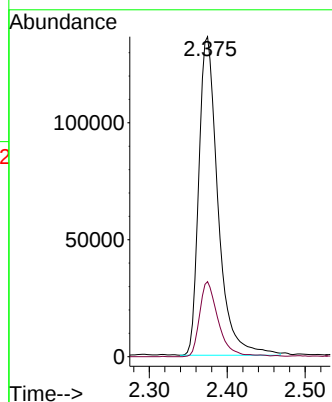
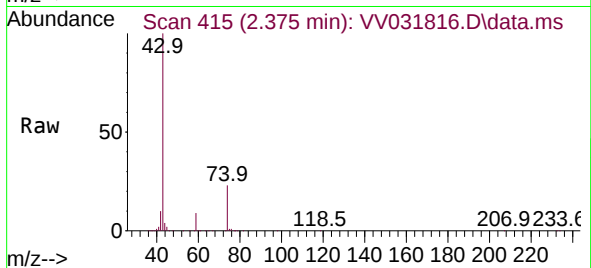




#15
Methyl Acetate
Concen: 48.441 ug/L
RT: 2.375 min Scan# 414
Delta R.T. 0.003 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

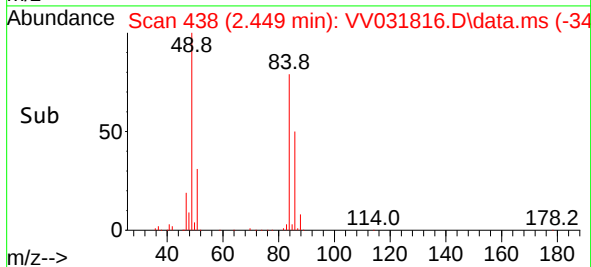
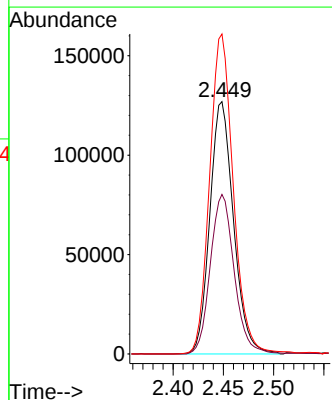
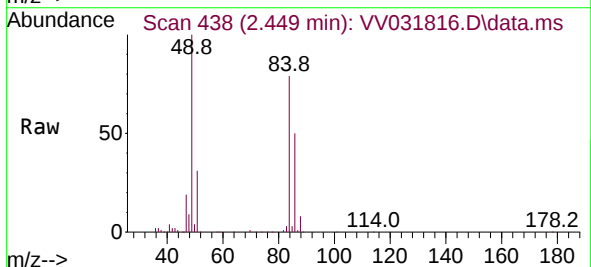
Instrument :
MSVOA_V
ClientSampleId :

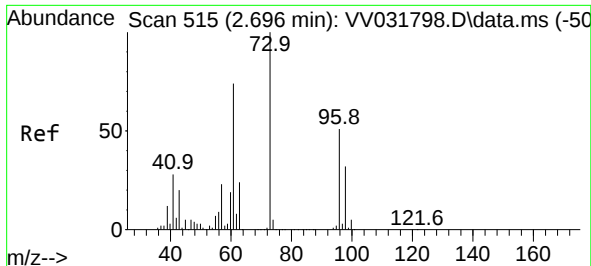
Tgt Ion: 43 Resp: 232688
Ion Ratio Lower Upper
43 100
74 22.5 19.5 29.3



#16
Methylene chloride
Concen: 47.074 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

Tgt Ion: 84 Resp: 208208
Ion Ratio Lower Upper
84 100
86 63.2 44.5 82.7
49 126.8 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 50.032 ug/L

RT: 2.696 min Scan# 515

Delta R.T. -0.000 min

Lab File: VV031816.D

Acq: 16 Aug 2023 11:48

Instrument :

MSVOA_V

ClientSampleId :

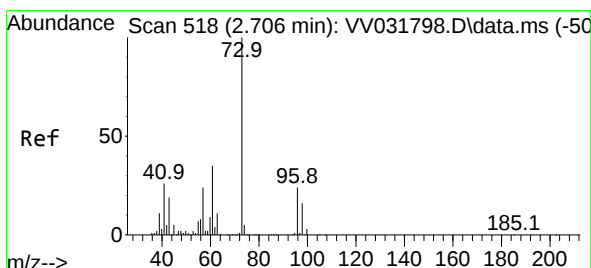
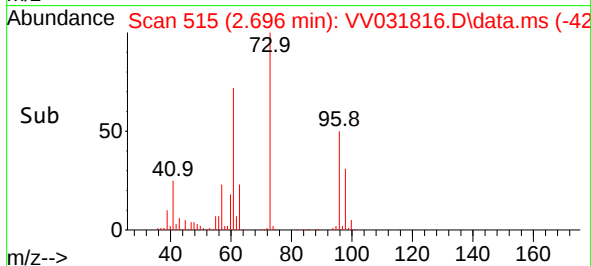
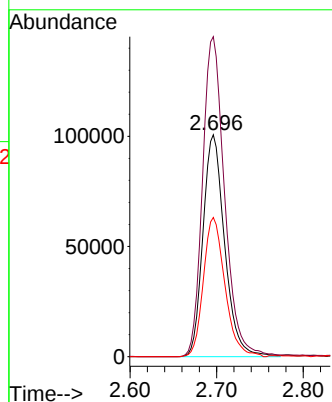
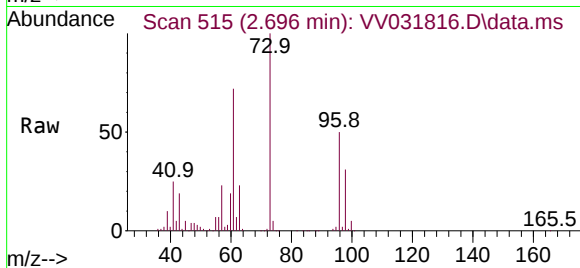
Tgt Ion: 96 Resp: 175218

Ion Ratio Lower Upper

96 100

61 144.2 101.6 188.6

98 62.8 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 52.120 ug/L

RT: 2.706 min Scan# 518

Delta R.T. -0.000 min

Lab File: VV031816.D

Acq: 16 Aug 2023 11:48

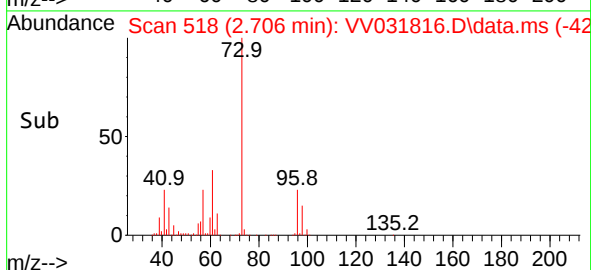
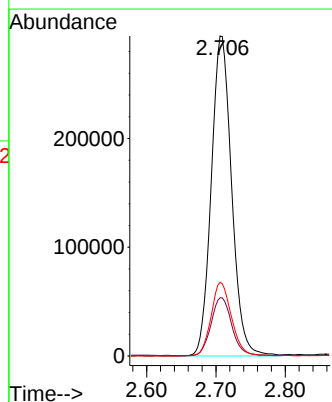
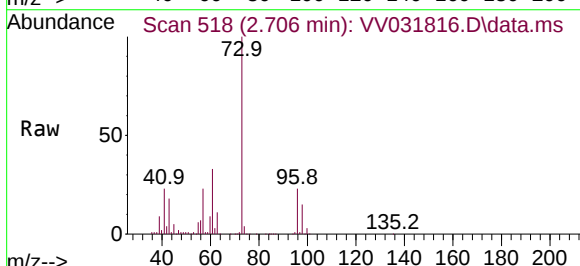
Tgt Ion: 73 Resp: 600480

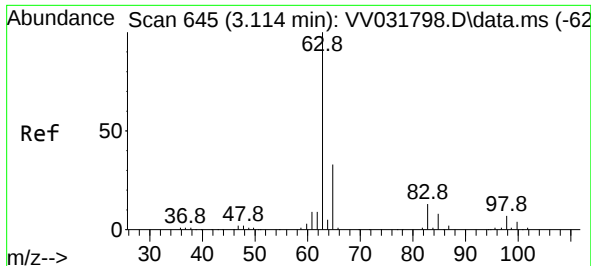
Ion Ratio Lower Upper

73 100

43 18.3 15.0 22.4

57 22.9 18.3 27.5

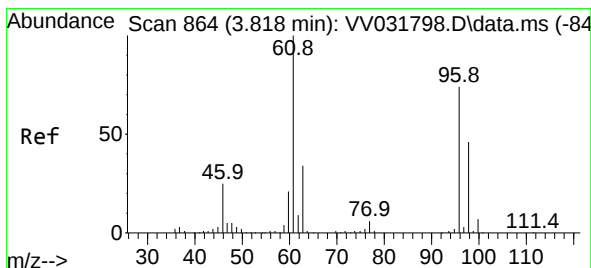
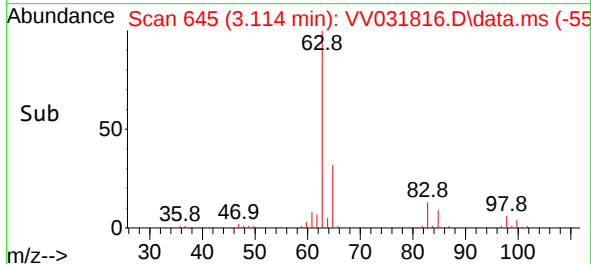
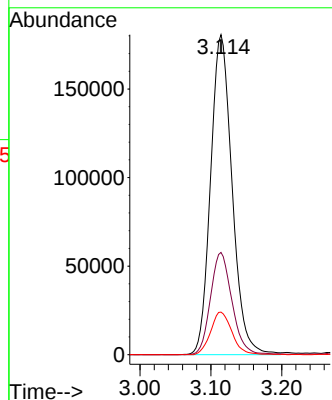
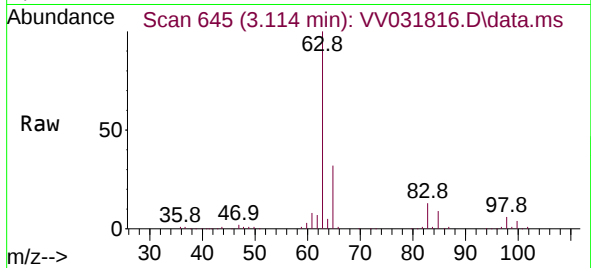




#19
1,1-Dichloroethane
Concen: 47.081 ug/L
RT: 3.114 min Scan# 645
Delta R.T. -0.000 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

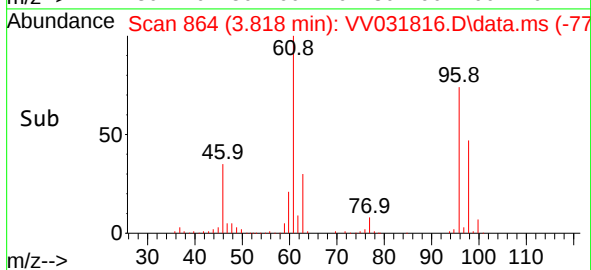
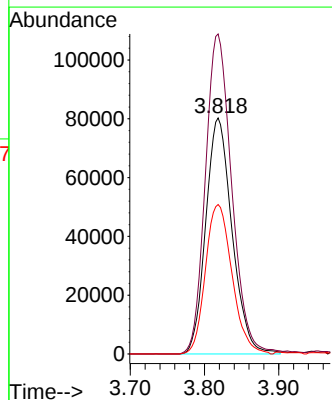
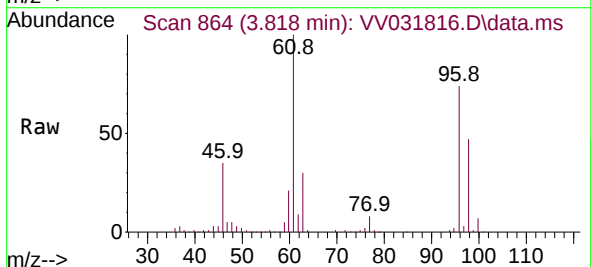
Instrument :
MSVOA_V
ClientSampleId :

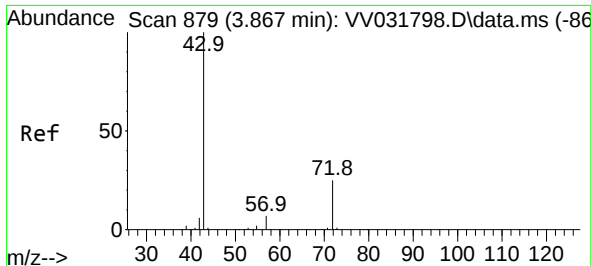
Tgt Ion: 63 Resp: 381683
Ion Ratio Lower Upper
63 100
65 32.0 22.3 41.5
83 14.0 10.6 19.6



#20
cis-1,2-Dichloroethene
Concen: 50.018 ug/L
RT: 3.818 min Scan# 864
Delta R.T. -0.000 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

Tgt Ion: 96 Resp: 197820
Ion Ratio Lower Upper
96 100
61 135.6 90.6 168.2
98 63.3 43.8 81.3

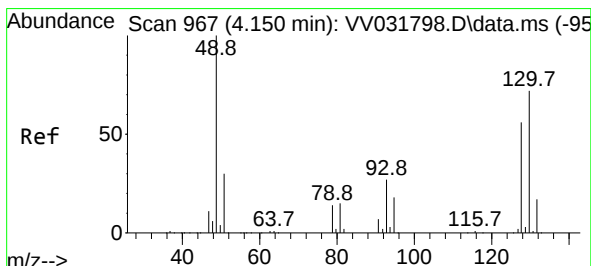
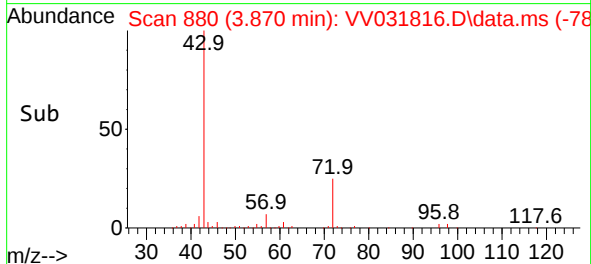
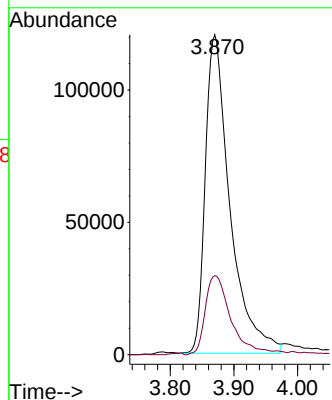
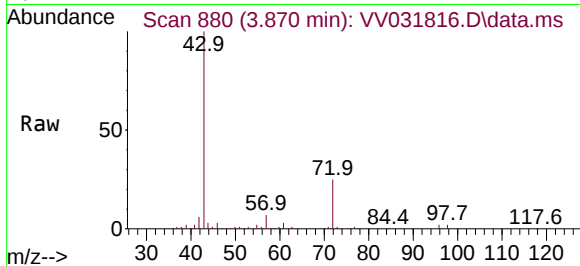




#22
2-Butanone
Concen: 103.369 ug/L
RT: 3.870 min Scan# 879
Delta R.T. 0.003 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

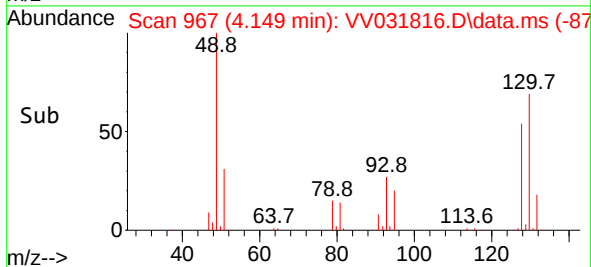
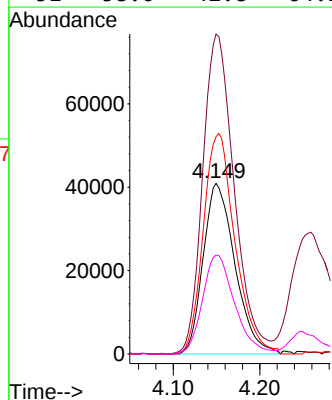
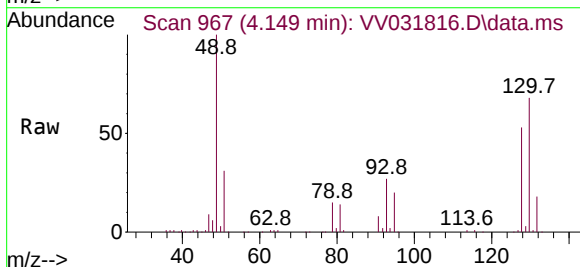
Instrument :
MSVOA_V
ClientSampleId :

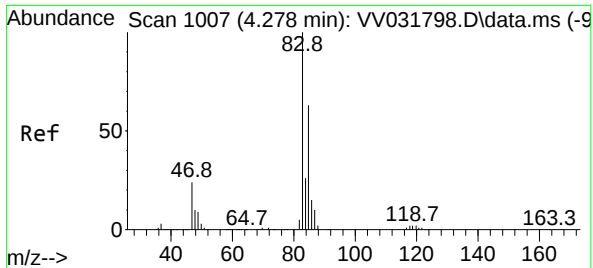
Tgt Ion: 43 Resp: 324317
Ion Ratio Lower Upper
43 100
72 25.6 12.7 38.0



#23
Bromochloromethane
Concen: 47.632 ug/L
RT: 4.149 min Scan# 967
Delta R.T. -0.000 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

Tgt Ion:128 Resp: 104308
Ion Ratio Lower Upper
128 100
49 187.5 117.9 218.9
130 129.4 89.1 165.5
51 58.0 42.8 64.2

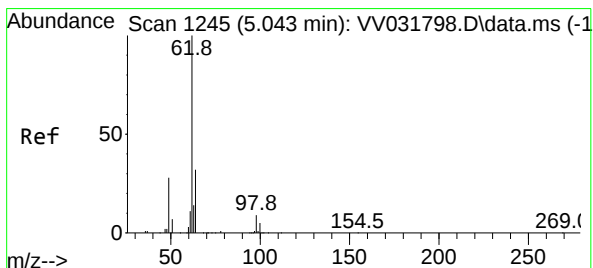
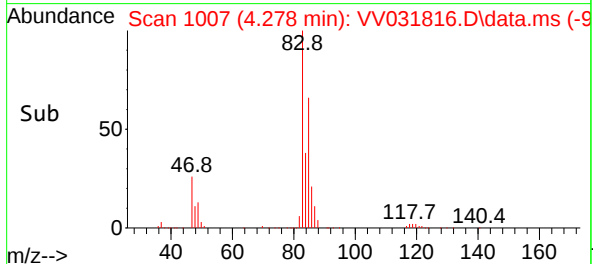
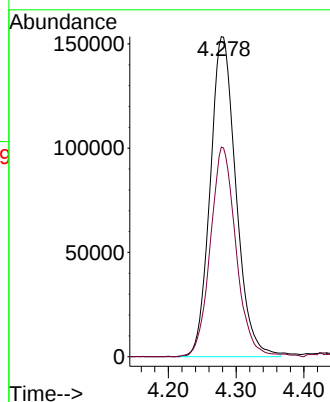
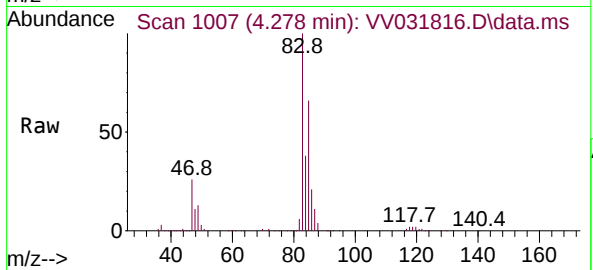




#25
Chloroform
Concen: 47.211 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. -0.000 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

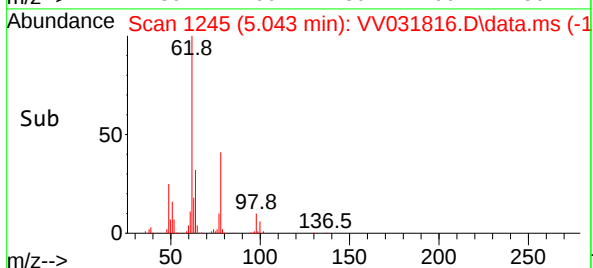
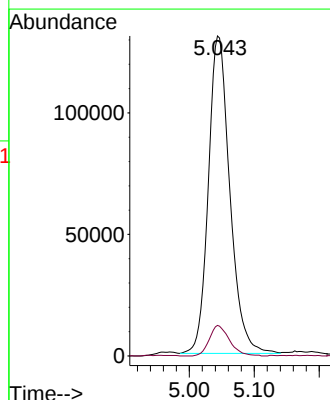
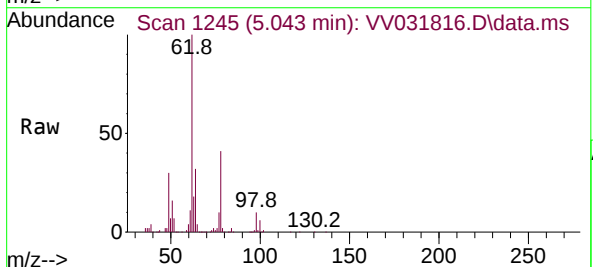
Instrument :
MSVOA_V
ClientSampleId :

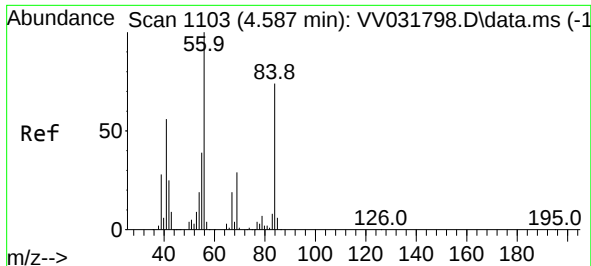
Tgt Ion: 83 Resp: 405415
Ion Ratio Lower Upper
83 100
85 65.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 47.043 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. -0.000 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

Tgt Ion: 62 Resp: 300451
Ion Ratio Lower Upper
62 100
98 10.2 7.5 11.3





#29

Cyclohexane

Concen: 52.619 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VV031816.D

Acq: 16 Aug 2023 11:48

Instrument :

MSVOA_V

ClientSampleId :

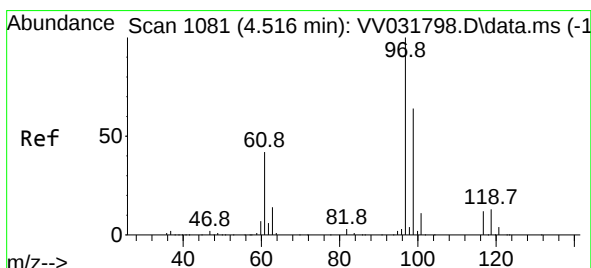
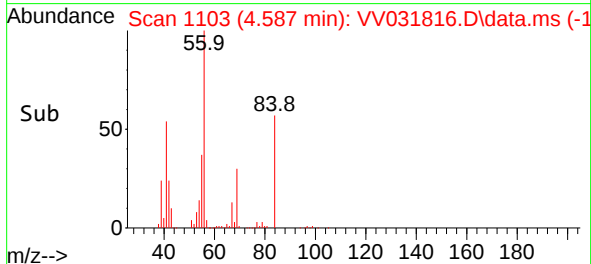
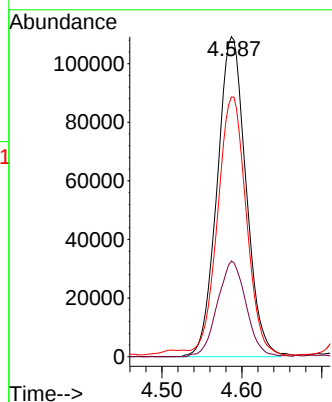
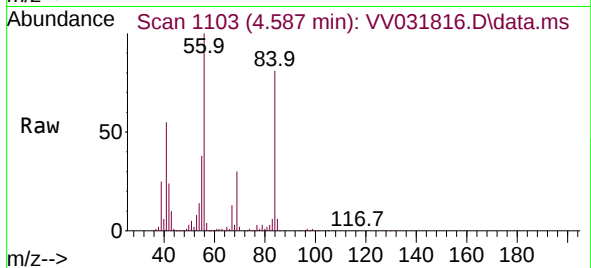
Tgt Ion: 56 Resp: 272960

Ion Ratio Lower Upper

56 100

69 29.7 24.1 36.1

84 80.5 63.6 95.4



#30

1,1,1-Trichloroethane

Concen: 48.511 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. -0.000 min

Lab File: VV031816.D

Acq: 16 Aug 2023 11:48

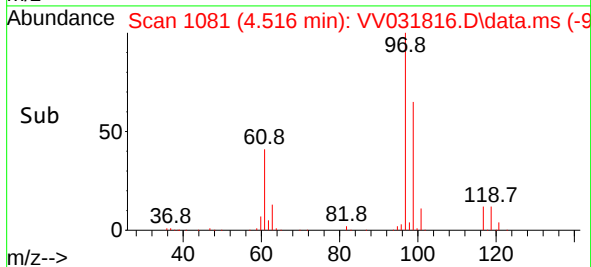
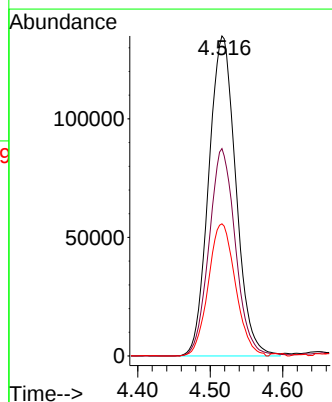
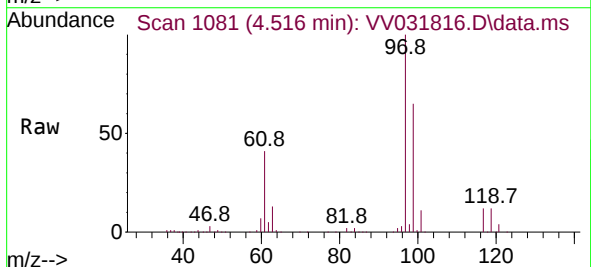
Tgt Ion: 97 Resp: 351068

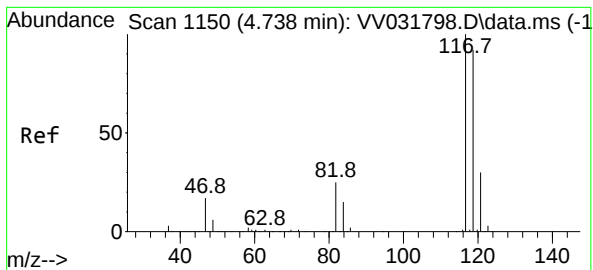
Ion Ratio Lower Upper

97 100

99 63.3 51.5 77.3

61 41.3 32.2 48.2

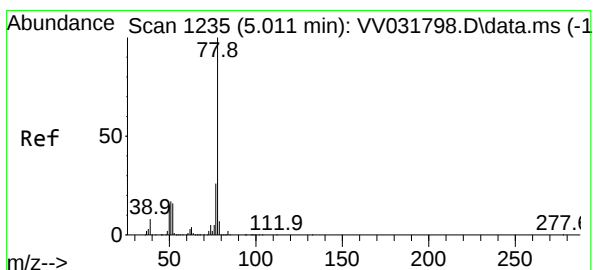
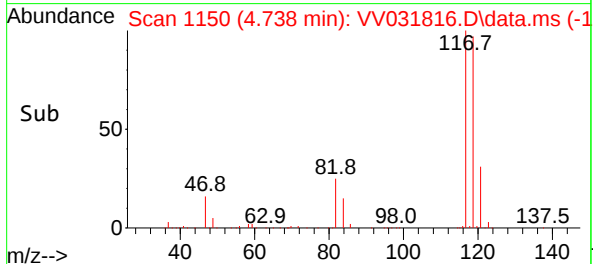
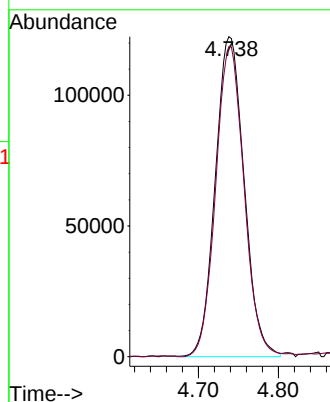
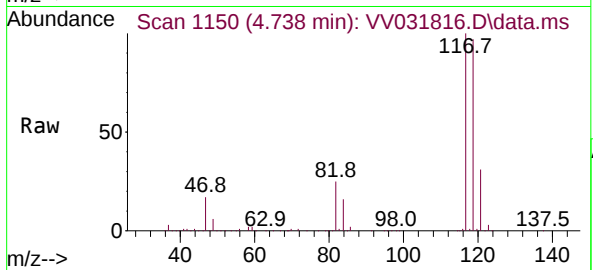




#31
Carbon tetrachloride
Concen: 48.545 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. -0.000 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

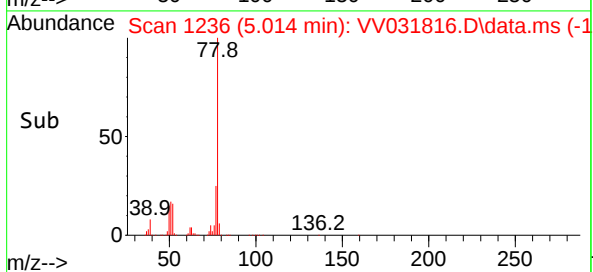
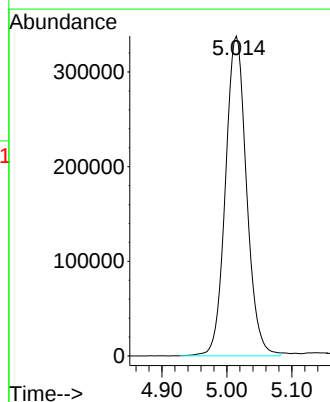
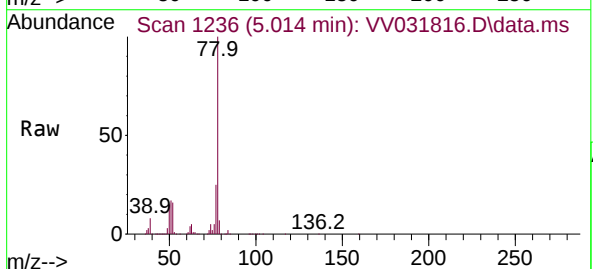
Instrument :
MSVOA_V
ClientSampleId :

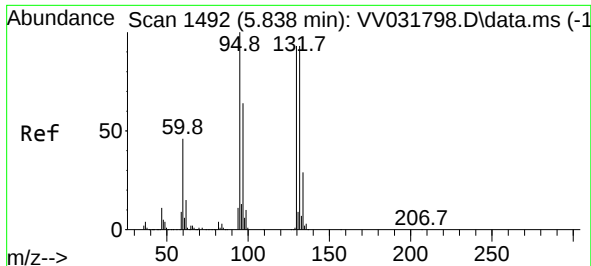
Tgt Ion:117 Resp: 306750
Ion Ratio Lower Upper
117 100
119 95.4 78.0 117.0



#33
Benzene
Concen: 51.346 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

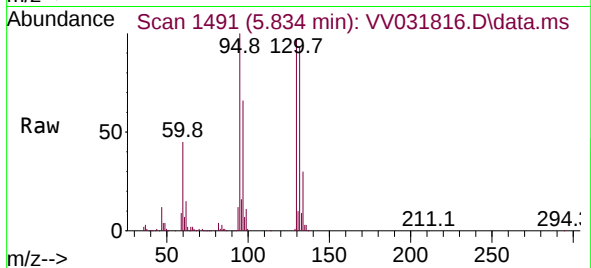
Tgt Ion: 78 Resp: 760866



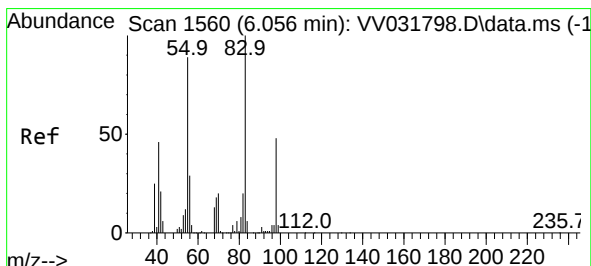
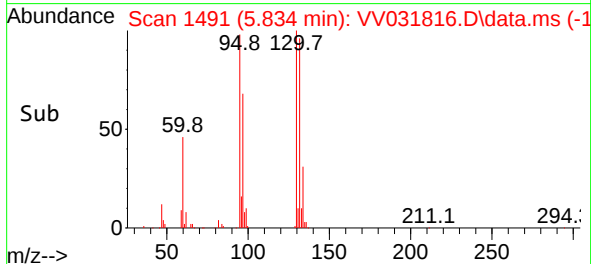
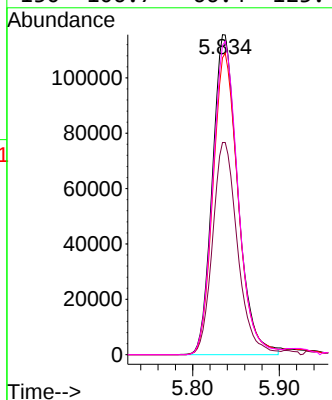


#34
Trichloroethene
Concen: 50.262 ug/L
RT: 5.834 min Scan# 1492
Delta R.T. -0.003 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

Instrument :
MSVOA_V
ClientSampleId :

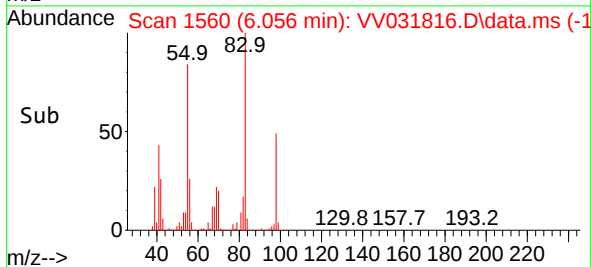
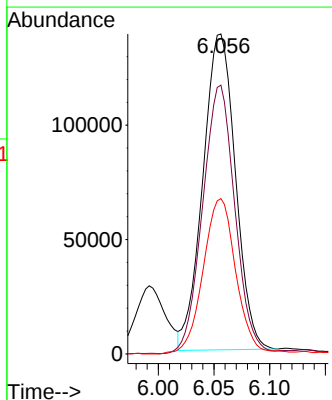
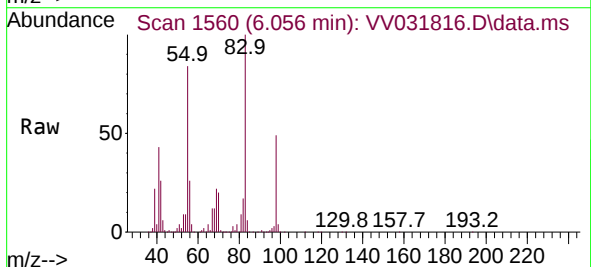


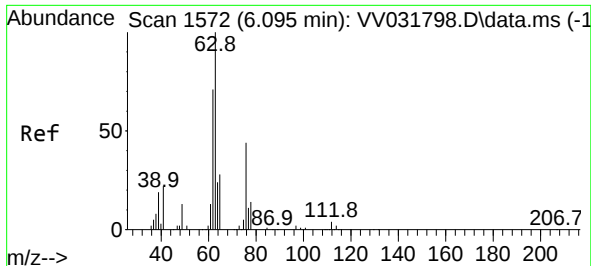
Tgt Ion:	95	Resp:	235029
Ion	Ratio	Lower	Upper
95	100		
97	66.3	47.0	87.2
132	92.8	64.8	120.4
130	106.7	66.4	123.4



#35
Methylcyclohexane
Concen: 53.968 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.000 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

Tgt Ion:	83	Resp:	280703
Ion	Ratio	Lower	Upper
83	100		
55	84.5	69.4	104.2
98	49.4	38.2	57.2





#37

1,2-Dichloropropane

Concen: 48.819 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031816.D

Acq: 16 Aug 2023 11:48

Instrument :

MSVOA_V

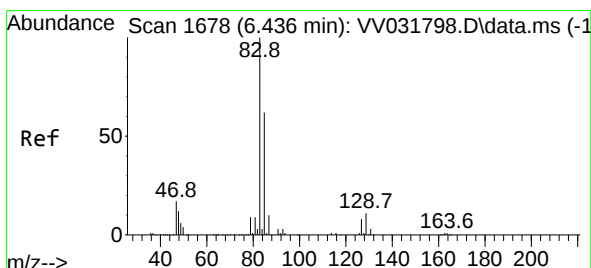
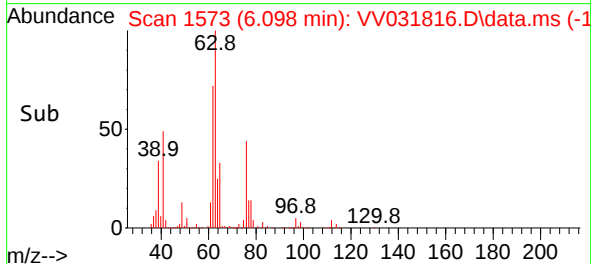
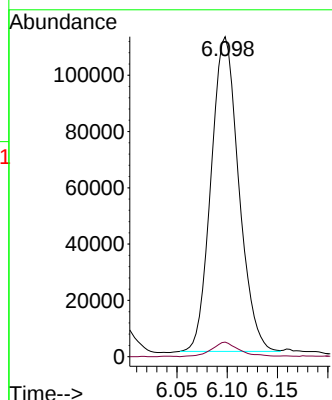
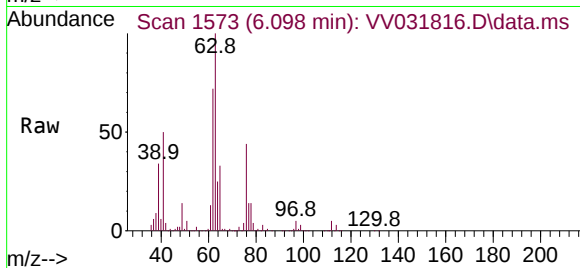
ClientSampleId :

Tgt Ion: 63 Resp: 214898

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



#38

Bromodichloromethane

Concen: 48.194 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. -0.000 min

Lab File: VV031816.D

Acq: 16 Aug 2023 11:48

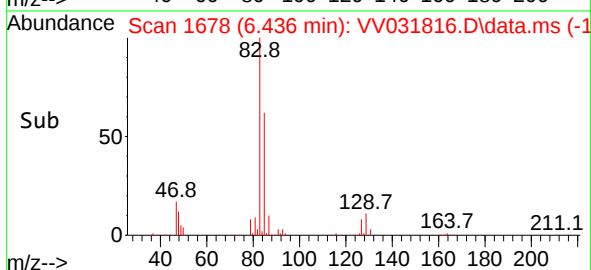
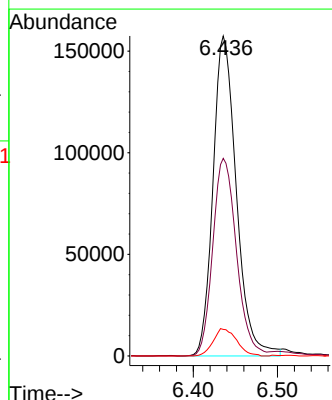
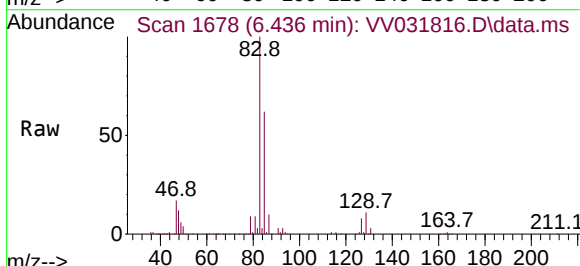
Tgt Ion: 83 Resp: 302621

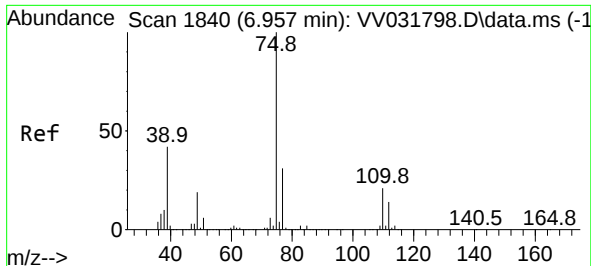
Ion Ratio Lower Upper

83 100

85 62.8 44.2 82.0

127 9.3 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 49.293 ug/L

RT: 6.956 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV031816.D

Acq: 16 Aug 2023 11:48

Instrument :

MSVOA_V

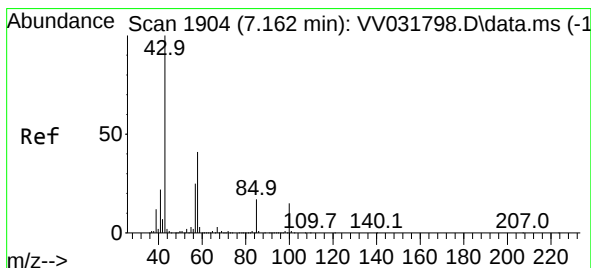
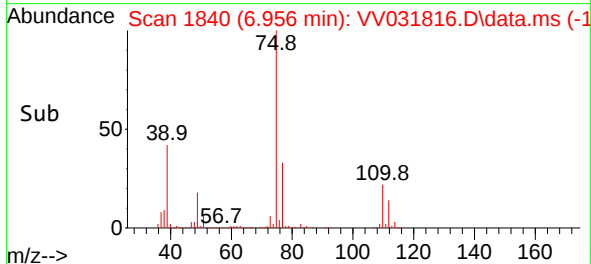
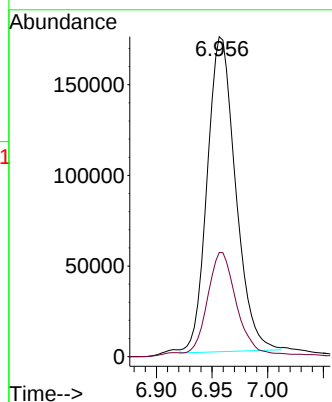
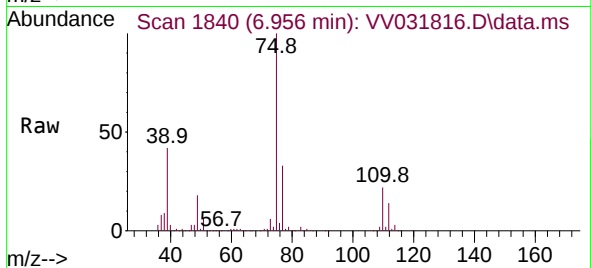
ClientSampleId :

Tgt Ion: 75 Resp: 308046

Ion Ratio Lower Upper

75 100

77 32.6 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 110.691 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VV031816.D

Acq: 16 Aug 2023 11:48

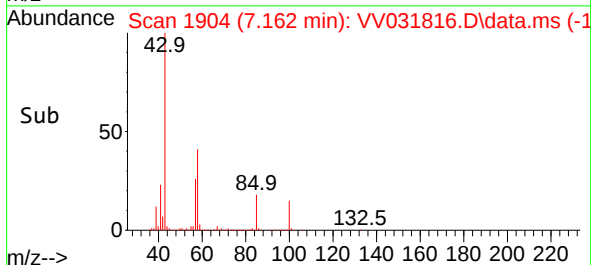
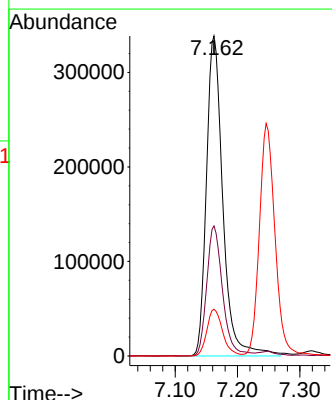
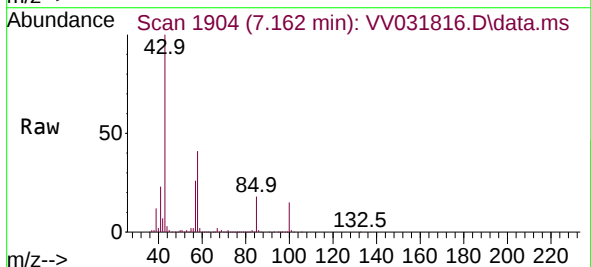
Tgt Ion: 43 Resp: 620580

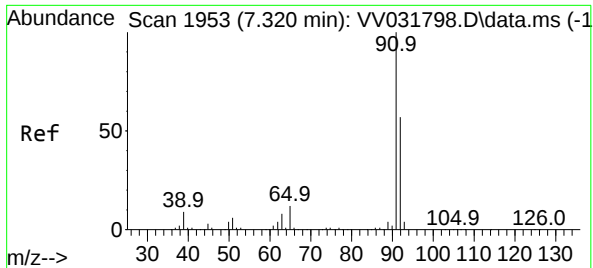
Ion Ratio Lower Upper

43 100

58 39.3 32.1 48.1

100 14.1 12.1 18.1





#42

Toluene

Concen: 54.523 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VV031816.D

Acq: 16 Aug 2023 11:48

Instrument :

MSVOA_V

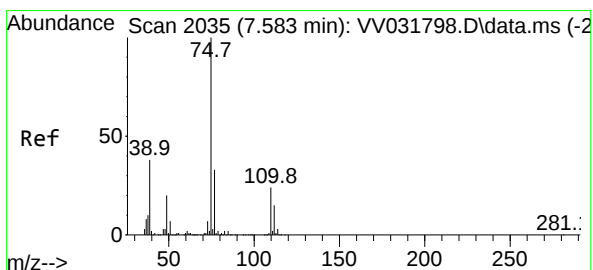
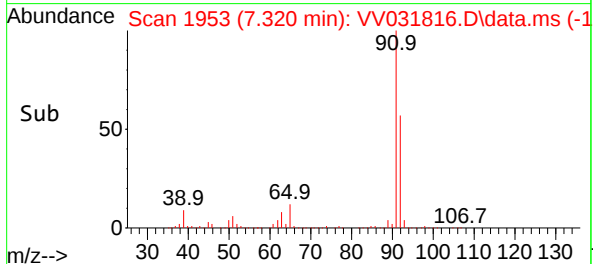
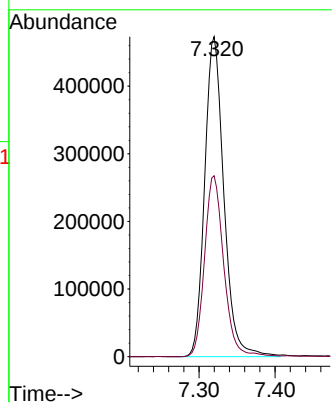
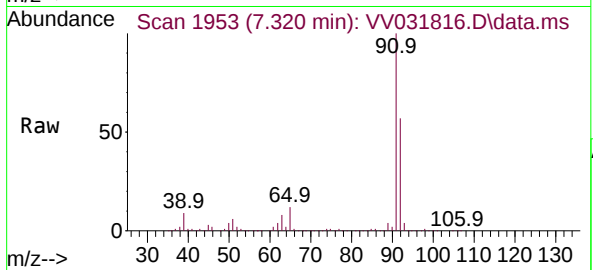
ClientSampleId :

Tgt Ion: 91 Resp: 829772

Ion Ratio Lower Upper

91 100

92 56.6 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 53.099 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. -0.000 min

Lab File: VV031816.D

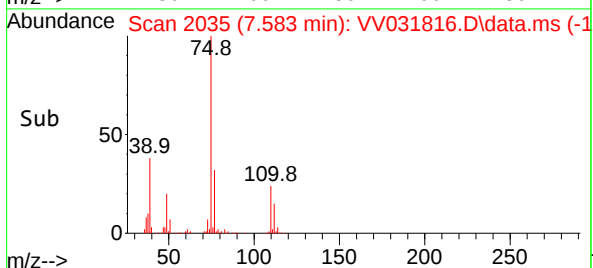
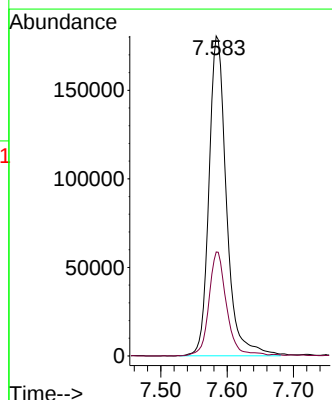
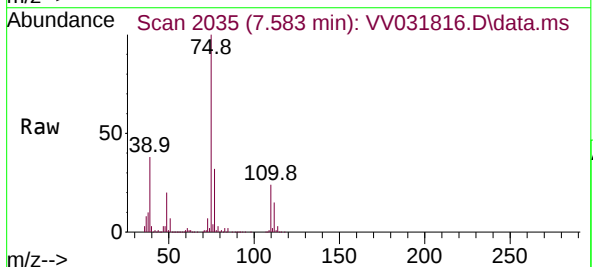
Acq: 16 Aug 2023 11:48

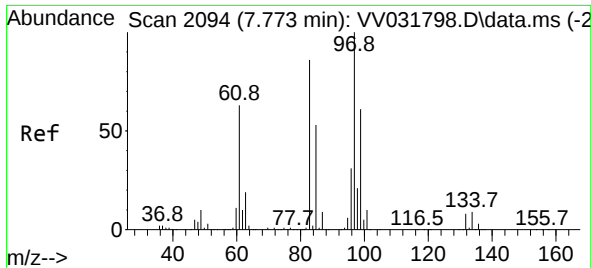
Tgt Ion: 75 Resp: 331146

Ion Ratio Lower Upper

75 100

77 32.5 22.3 41.3



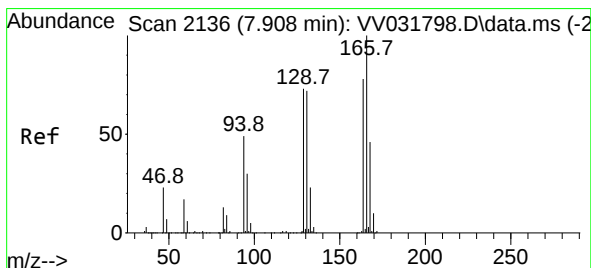
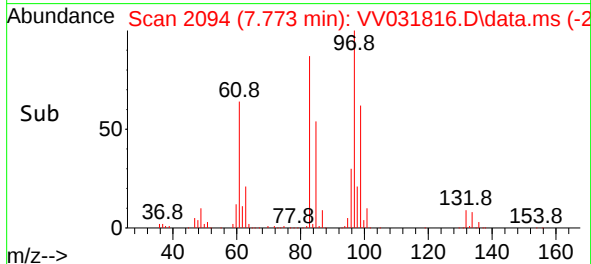
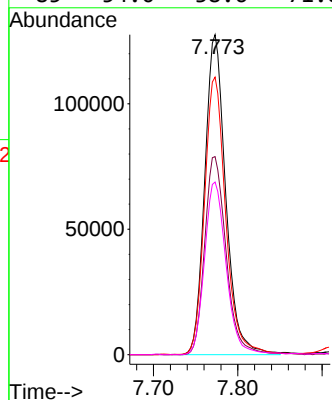
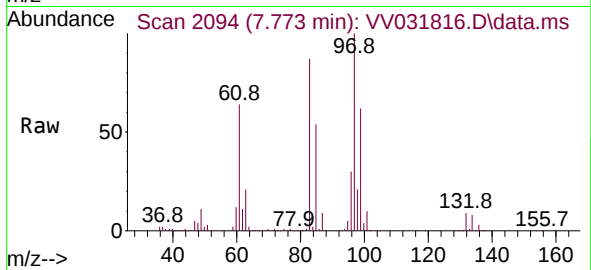


#45
1,1,2-Trichloroethane
Concen: 49.782 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. -0.000 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 221123

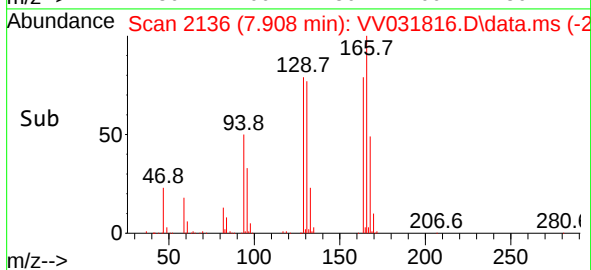
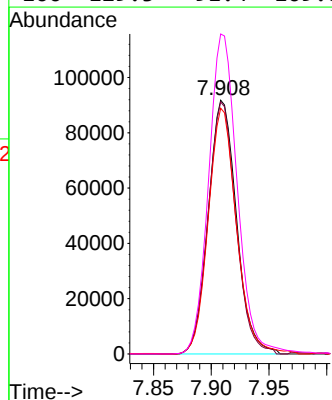
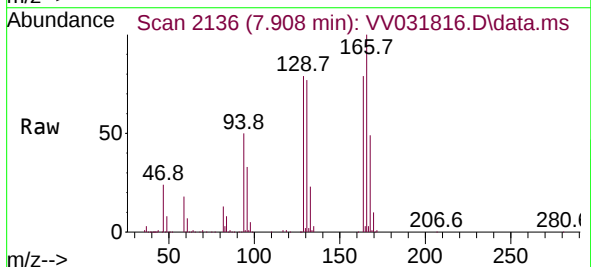
Ion	Ratio	Lower	Upper
97	100		
99	61.9	45.2	84.0
83	86.7	59.5	110.5
85	54.0	38.6	71.8

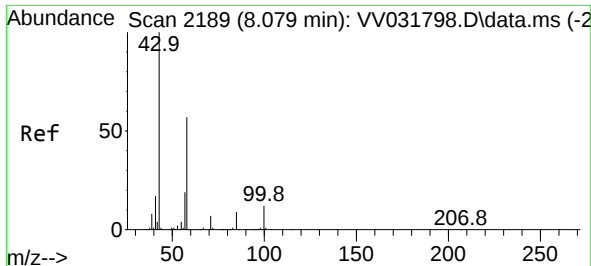


#46
Tetrachloroethene
Concen: 52.870 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.000 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

Tgt Ion: 164 Resp: 156210

Ion	Ratio	Lower	Upper
164	100		
129	99.3	65.2	121.0
131	96.8	67.1	124.7
166	129.3	91.4	169.8

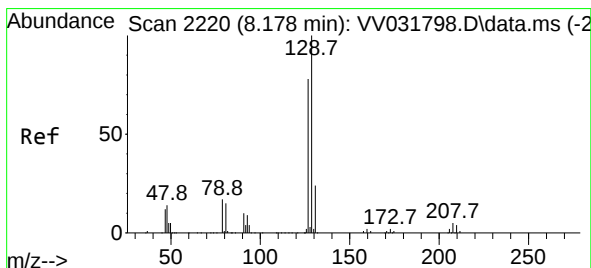
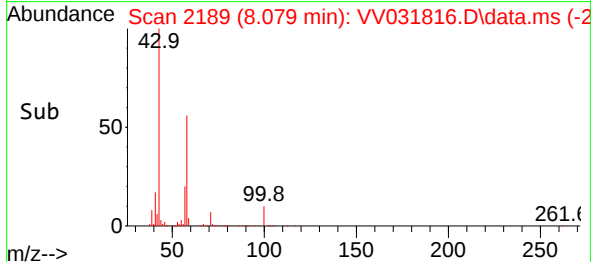
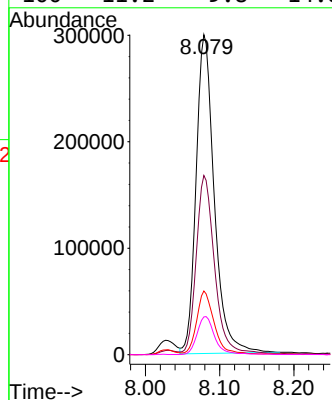
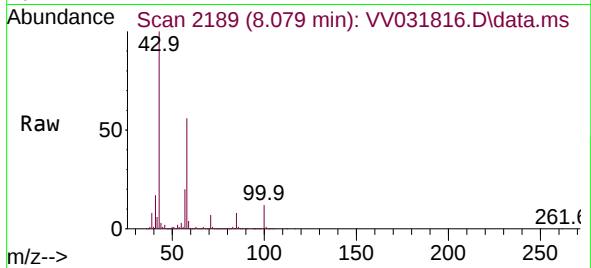




#48
2-Hexanone
Concen: 114.450 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

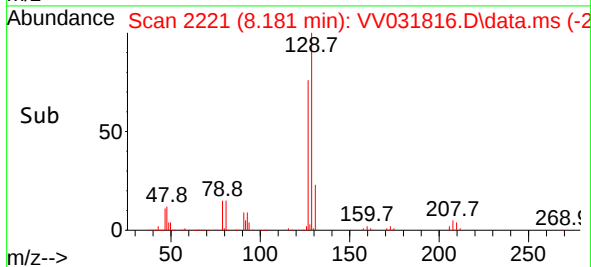
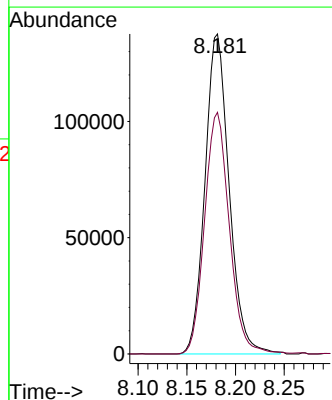
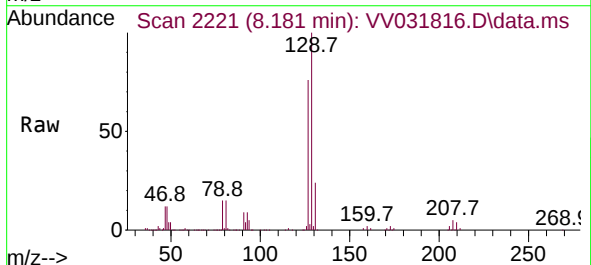
Instrument :
MSVOA_V
ClientSampleId :

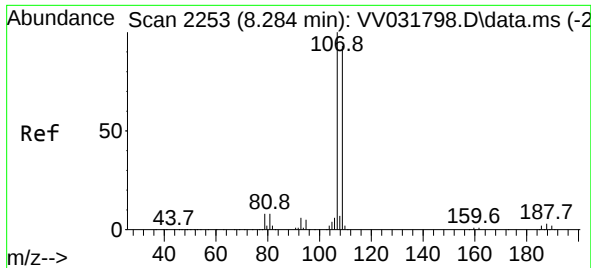
Tgt Ion: 43	Resp: 511812
Ion Ratio	Lower Upper
43 100	
58 55.8	46.3 69.5
57 18.8	16.8 25.2
100 11.2	9.8 14.8



#49
Dibromochloromethane
Concen: 50.689 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. 0.003 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

Tgt Ion:129	Resp: 237590
Ion Ratio	Lower Upper
129 100	
127 77.1	55.2 102.6

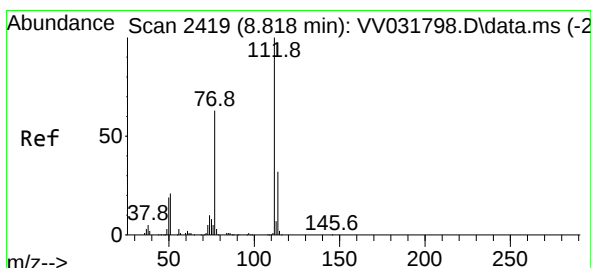
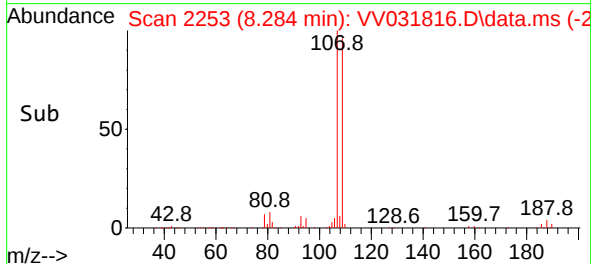
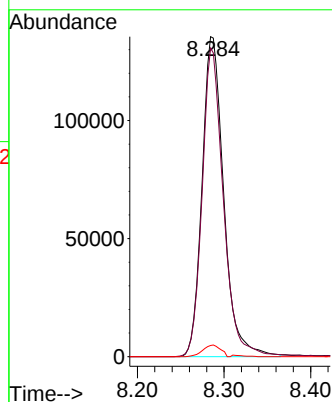
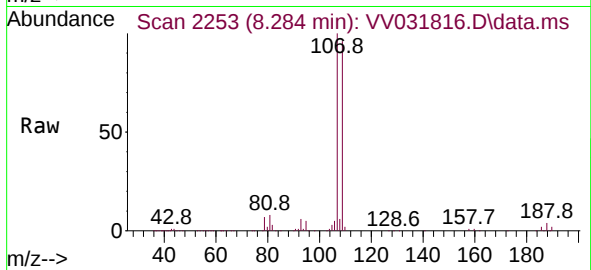




#50
1,2-Dibromoethane
Concen: 50.282 ug/L
RT: 8.284 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

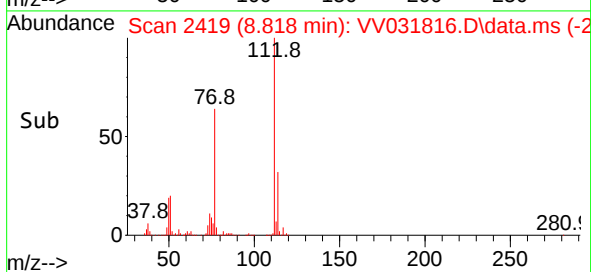
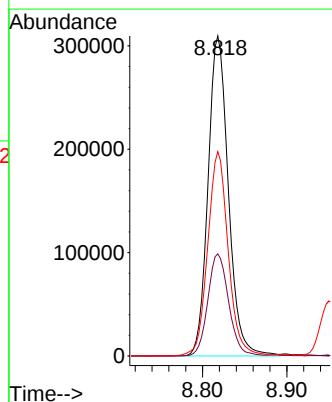
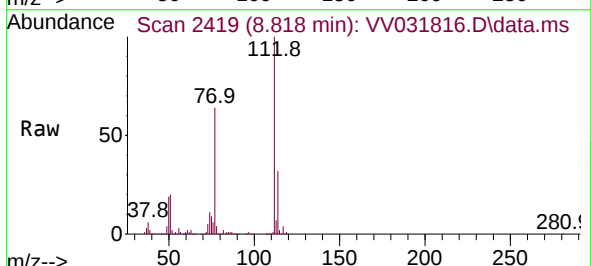
Instrument :
MSVOA_V
ClientSampleId :

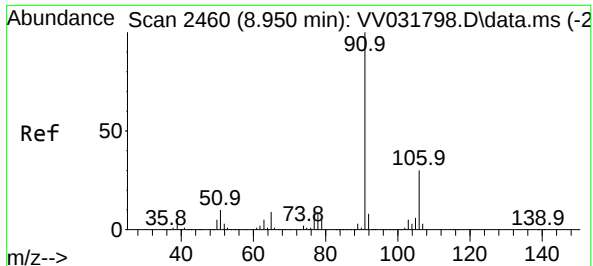
Tgt Ion:107 Resp: 235289
Ion Ratio Lower Upper
107 100
109 96.5 65.4 121.4
188 3.5 2.8 4.2



#51
Chlorobenzene
Concen: 51.186 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. -0.000 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

Tgt Ion:112 Resp: 520505
Ion Ratio Lower Upper
112 100
114 31.9 22.2 41.2
77 63.8 50.6 76.0





#52

Ethylbenzene

Concen: 54.574 ug/L

RT: 8.950 min Scan# 2460

Delta R.T. -0.000 min

Lab File: VV031816.D

Acq: 16 Aug 2023 11:48

Instrument :

MSVOA_V

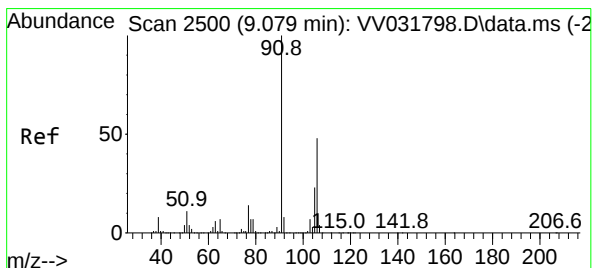
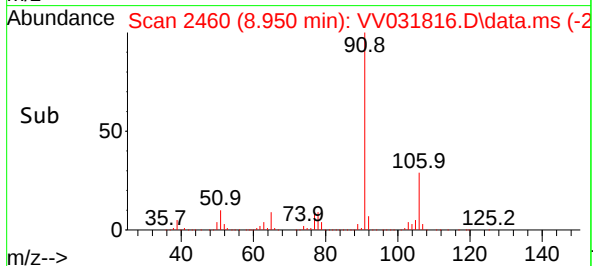
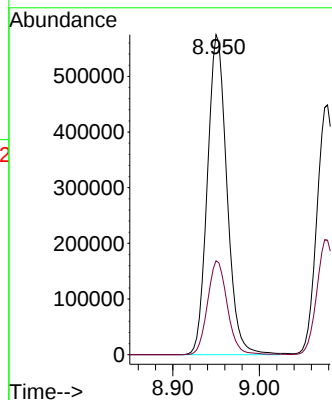
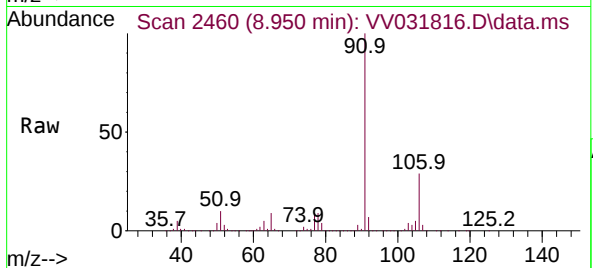
ClientSampleId :

Tgt Ion: 91 Resp: 900063

Ion Ratio Lower Upper

91 100

106 29.3 21.5 39.9



#53

m,p-Xylene

Concen: 55.970 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. -0.003 min

Lab File: VV031816.D

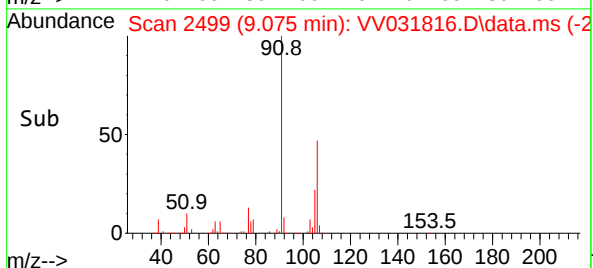
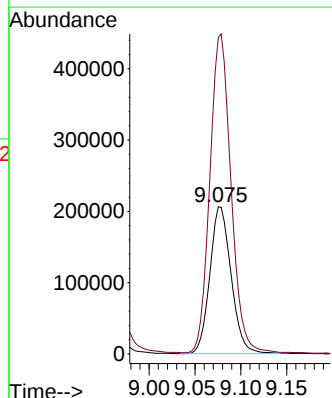
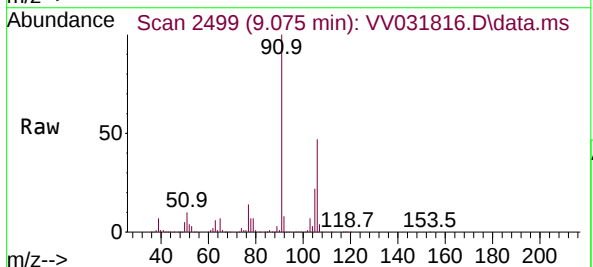
Acq: 16 Aug 2023 11:48

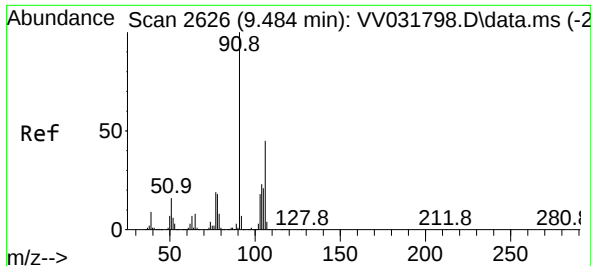
Tgt Ion:106 Resp: 332880

Ion Ratio Lower Upper

106 100

91 214.9 145.6 270.4

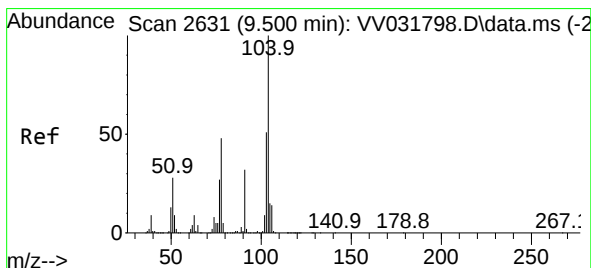
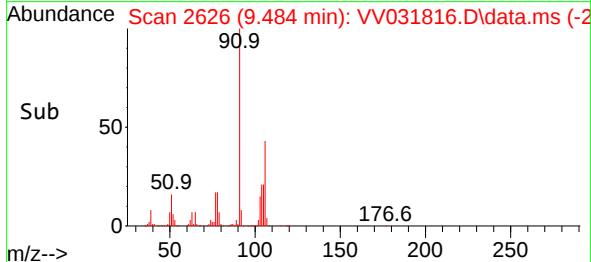
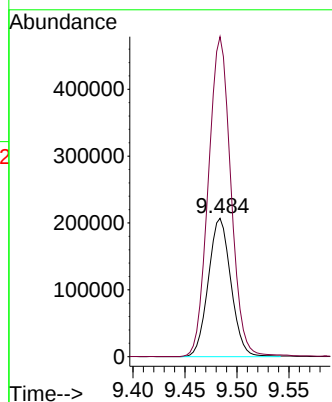
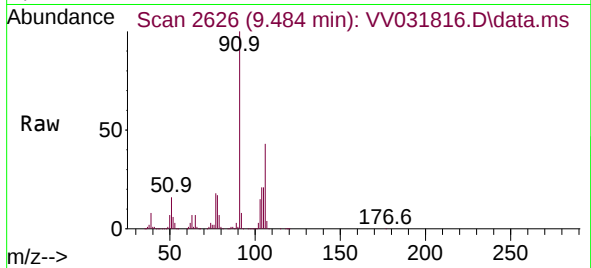




#54
o-Xylene
Concen: 54.965 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

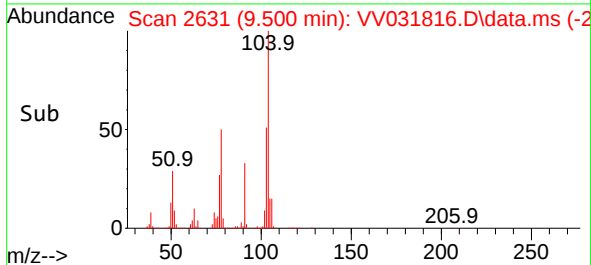
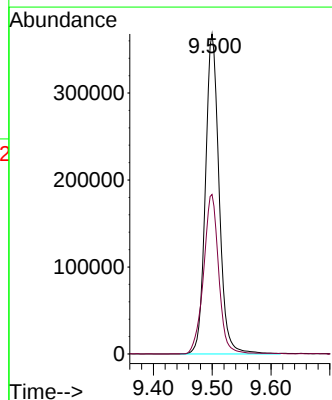
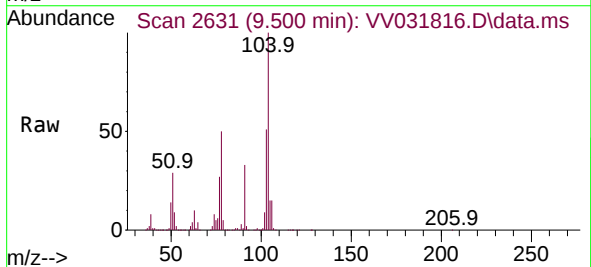
Instrument :
MSVOA_V
ClientSampleId :

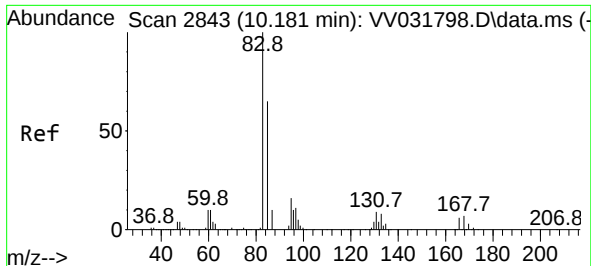
Tgt Ion:106 Resp: 313309
Ion Ratio Lower Upper
106 100
91 231.1 163.0 302.6



#55
Styrene
Concen: 57.221 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.000 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

Tgt Ion:104 Resp: 595825
Ion Ratio Lower Upper
104 100
78 49.9 34.4 64.0

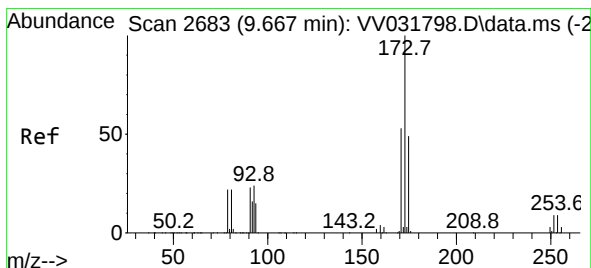
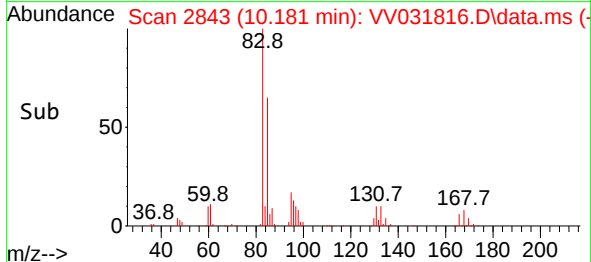
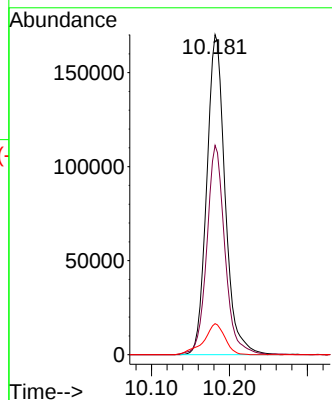
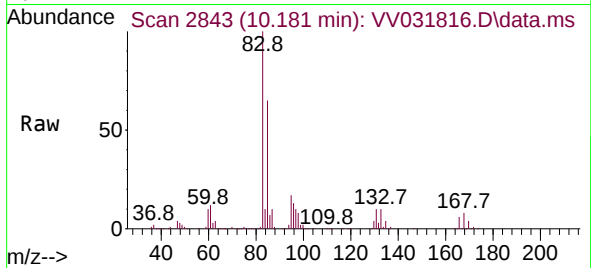




#57
1,1,2,2-Tetrachloroethane
Concen: 45.142 ug/L
RT: 10.181 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

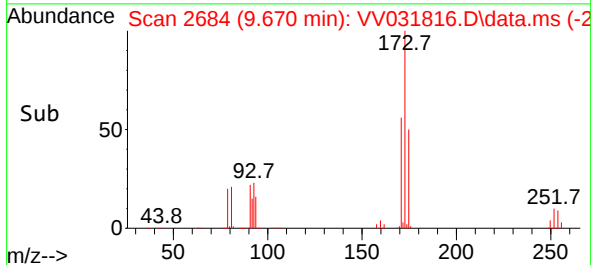
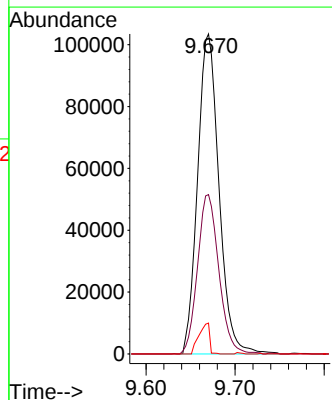
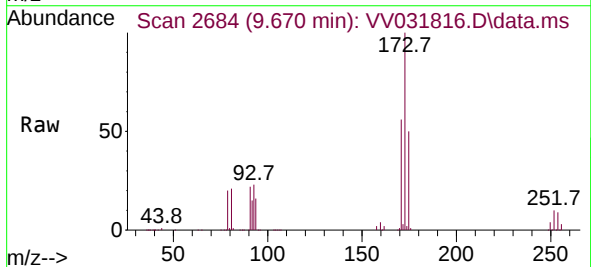
Instrument :
MSVOA_V
ClientSampleId :

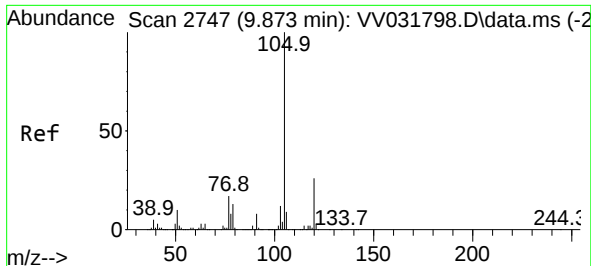
Tgt Ion: 83 Resp: 278036
Ion Ratio Lower Upper
83 100
85 65.4 43.4 80.6
131 13.2 10.9 16.3



#59
Bromoform
Concen: 48.132 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.003 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

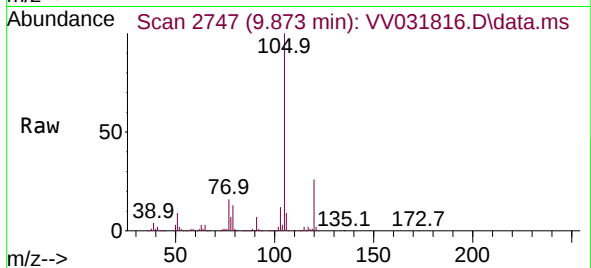
Tgt Ion: 173 Resp: 172839
Ion Ratio Lower Upper
173 100
175 49.4 38.6 58.0
254 4.8 6.9 10.3



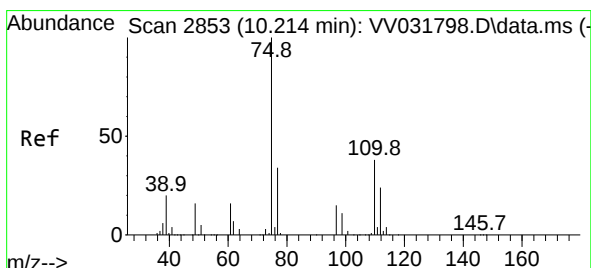
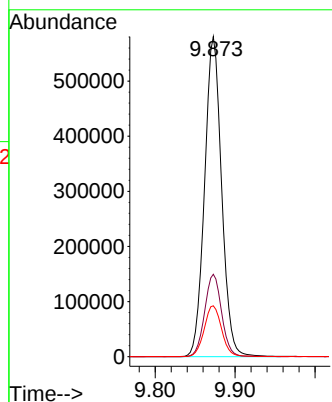
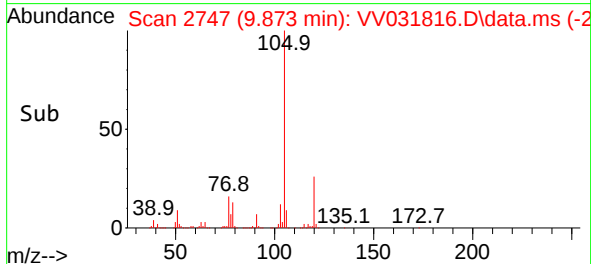


#60
Isopropylbenzene
Concen: 52.647 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

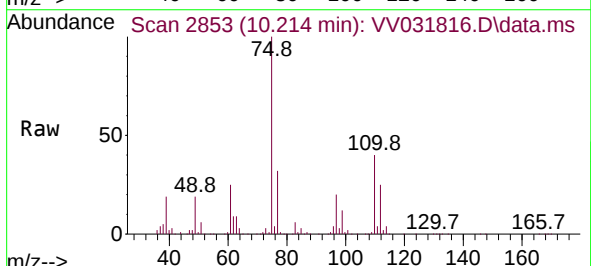
Instrument :
MSVOA_V
ClientSampleId :



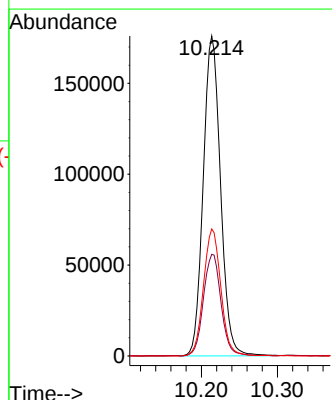
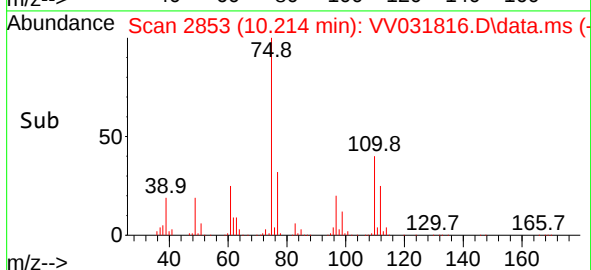
Tgt Ion:105 Resp: 860512
Ion Ratio Lower Upper
105 100
120 25.7 20.6 30.8
77 16.2 13.2 19.8

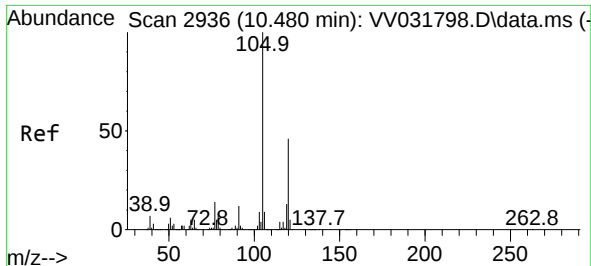


#61
1,2,3-Trichloropropane
Concen: 45.334 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48



Tgt Ion: 75 Resp: 278494
Ion Ratio Lower Upper
75 100
77 32.5 25.1 37.7
110 39.8 31.4 47.0

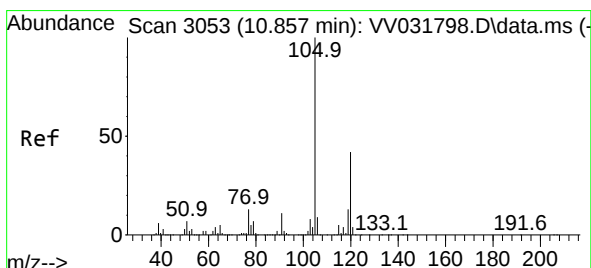
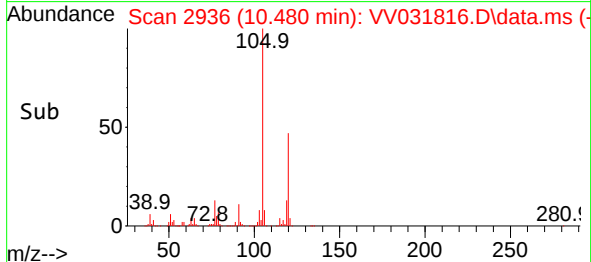
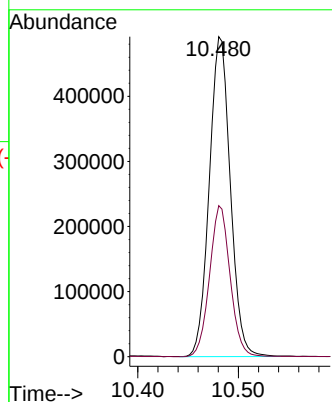
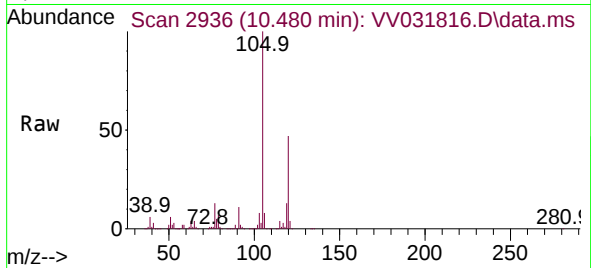




#62
 1,3,5-Trimethylbenzene
 Concen: 53.987 ug/L
 RT: 10.480 min Scan# 2936
 Delta R.T. -0.000 min
 Lab File: VV031816.D
 Acq: 16 Aug 2023 11:48

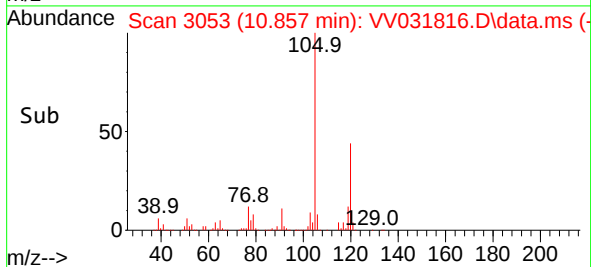
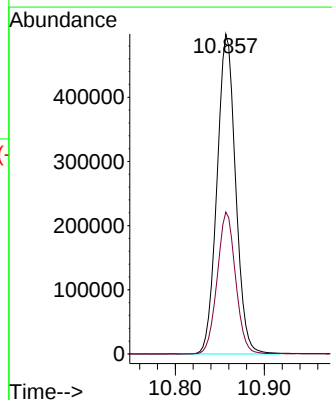
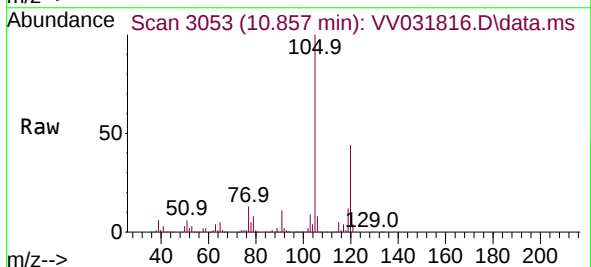
Instrument :
 MSVOA_V
 ClientSampleId :

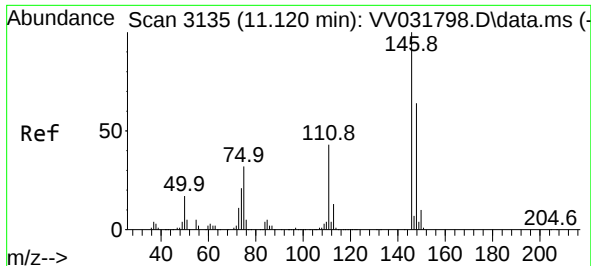
Tgt Ion:105 Resp: 713980
 Ion Ratio Lower Upper
 105 100
 120 46.2 37.4 56.0



#63
 1,2,4-Trimethylbenzene
 Concen: 53.956 ug/L
 RT: 10.857 min Scan# 3053
 Delta R.T. -0.000 min
 Lab File: VV031816.D
 Acq: 16 Aug 2023 11:48

Tgt Ion:105 Resp: 722362
 Ion Ratio Lower Upper
 105 100
 120 44.0 34.7 52.1

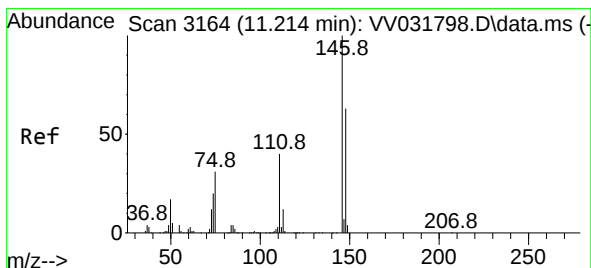
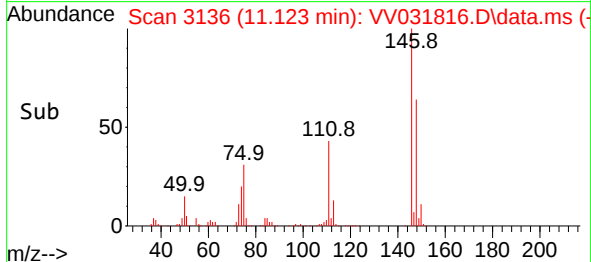
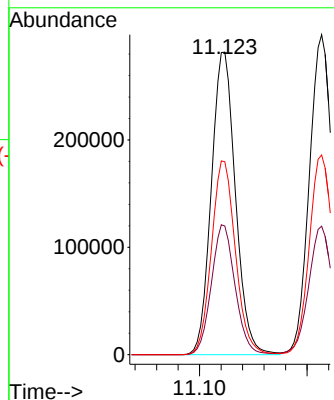
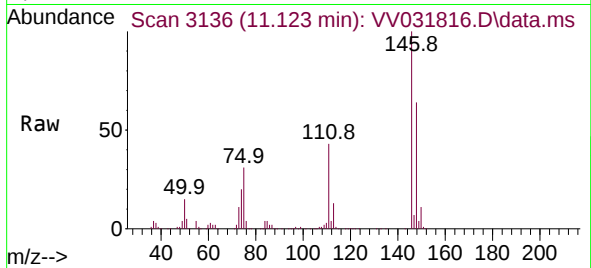




#64
1,3-Dichlorobenzene
Concen: 51.442 ug/L
RT: 11.123 min Scan# 3135
Delta R.T. 0.003 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

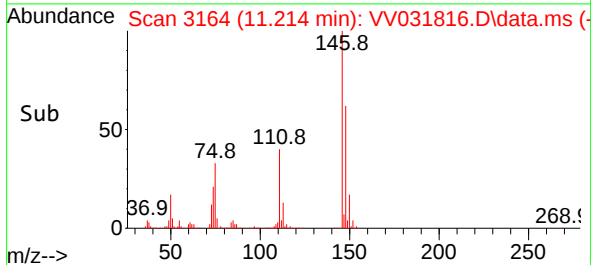
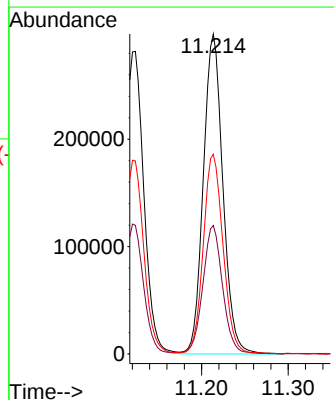
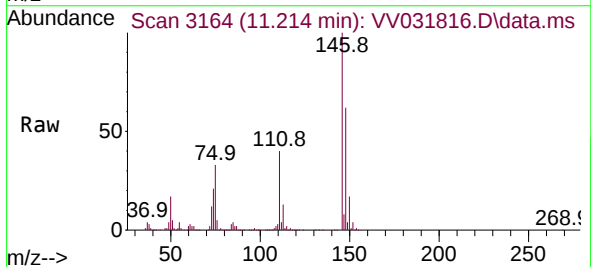
Instrument :
MSVOA_V
ClientSampleId :

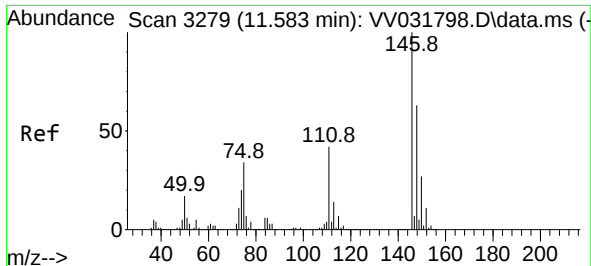
Tgt Ion:146 Resp: 439529
Ion Ratio Lower Upper
146 100
111 42.5 28.3 52.5
148 63.8 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 51.465 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

Tgt Ion:146 Resp: 467449
Ion Ratio Lower Upper
146 100
111 40.2 28.3 52.7
148 62.4 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 50.885 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.000 min

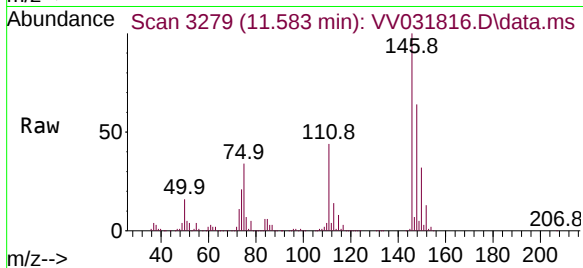
Lab File: VV031816.D

Acq: 16 Aug 2023 11:48

Instrument :

MSVOA_V

ClientSampleId :



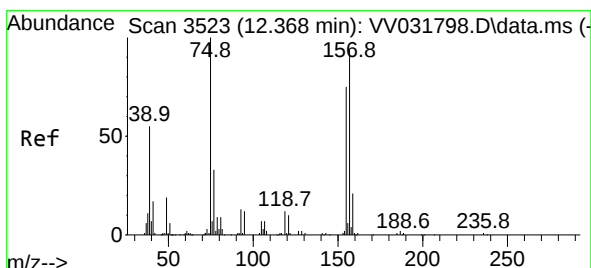
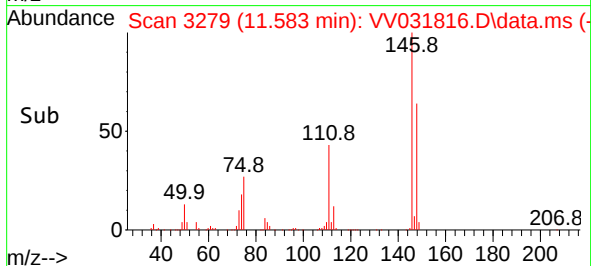
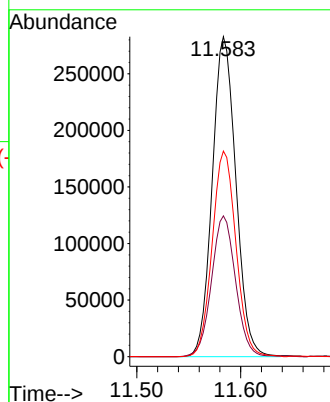
Tgt Ion:146 Resp: 447652

Ion Ratio Lower Upper

146 100

111 44.0 34.8 52.2

148 64.3 49.8 74.6



#68

1,2-Dibromo-3-chloropropane

Concen: 46.049 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.003 min

Lab File: VV031816.D

Acq: 16 Aug 2023 11:48

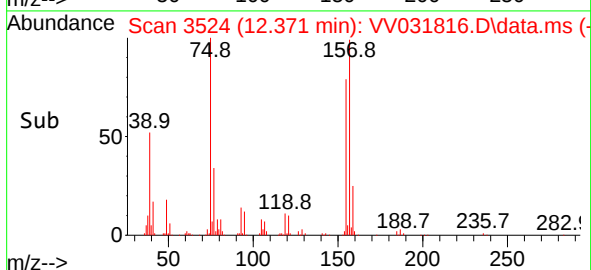
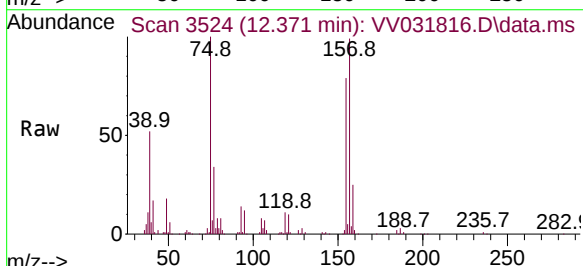
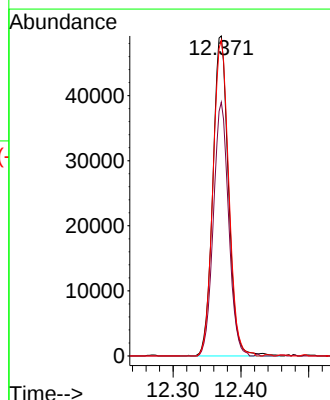
Tgt Ion: 75 Resp: 78680

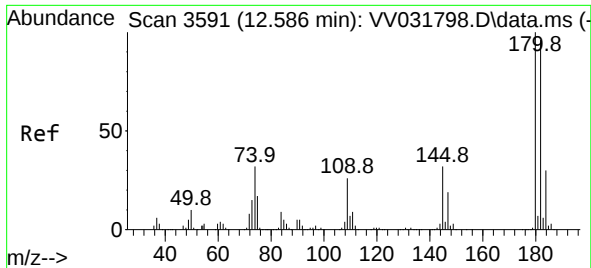
Ion Ratio Lower Upper

75 100

155 84.6 59.9 89.9

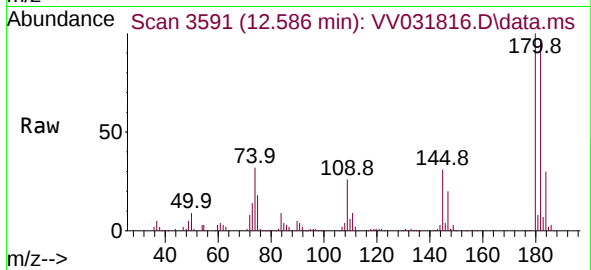
157 98.7 77.6 116.4



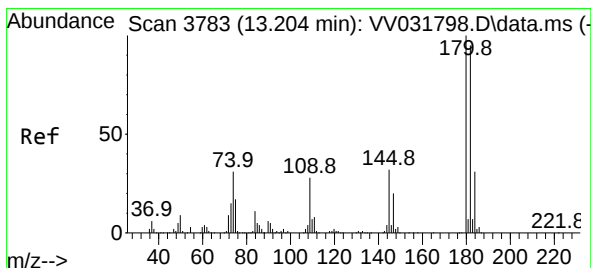
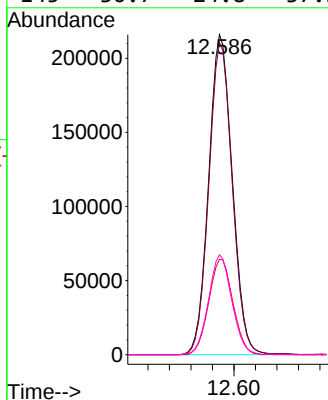
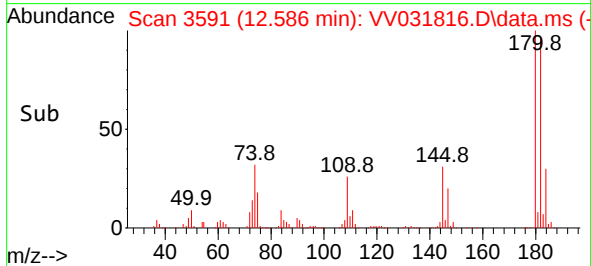


#69
1,3,5-Trichlorobenzene
Concen: 52.898 ug/L
RT: 12.586 min Scan# 3591
Delta R.T. -0.000 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48

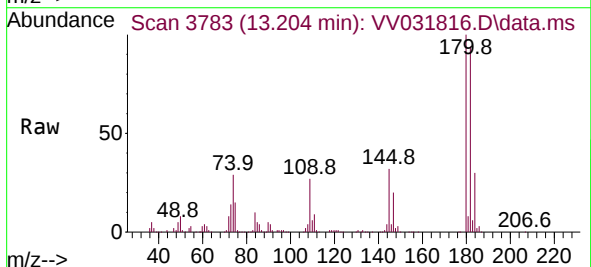
Instrument :
MSVOA_V
ClientSampleId :



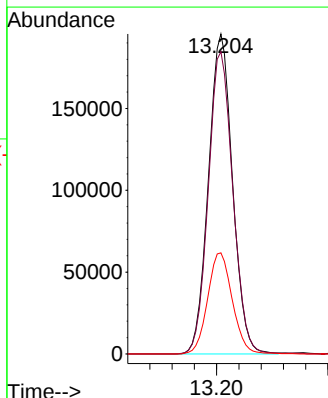
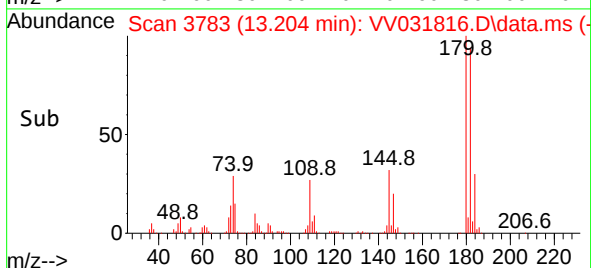
Tgt Ion:180 Resp: 329640
Ion Ratio Lower Upper
180 100
182 96.2 75.5 113.3
184 30.4 23.7 35.5
145 30.7 24.8 37.2

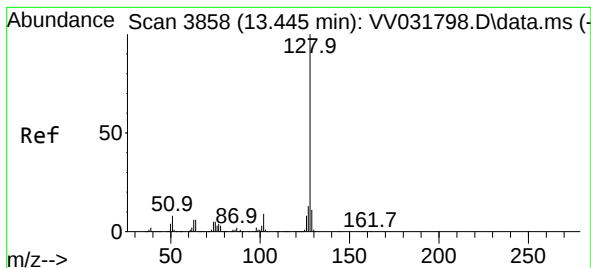


#70
1,2,4-trichlorobenzene
Concen: 52.680 ug/L
RT: 13.204 min Scan# 3783
Delta R.T. -0.000 min
Lab File: VV031816.D
Acq: 16 Aug 2023 11:48



Tgt Ion:180 Resp: 293698
Ion Ratio Lower Upper
180 100
182 95.9 76.6 114.8
145 32.2 25.4 38.2





#71

Naphthalene

Concen: 56.144 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. -0.000 min

Lab File: VV031816.D

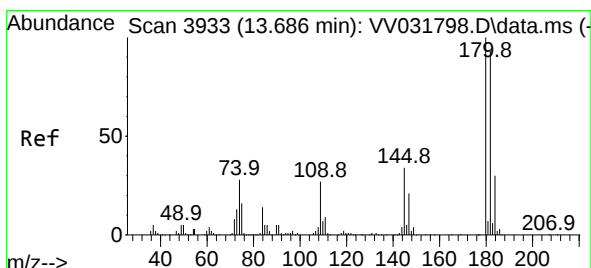
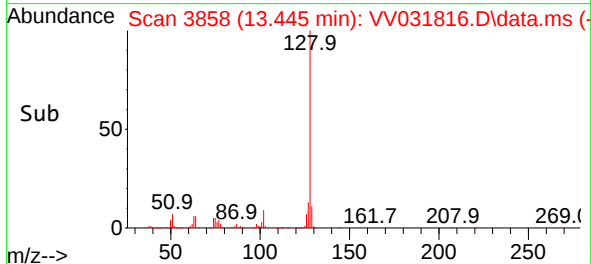
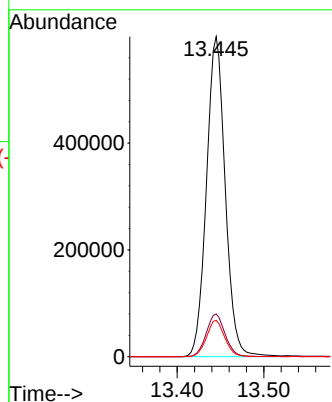
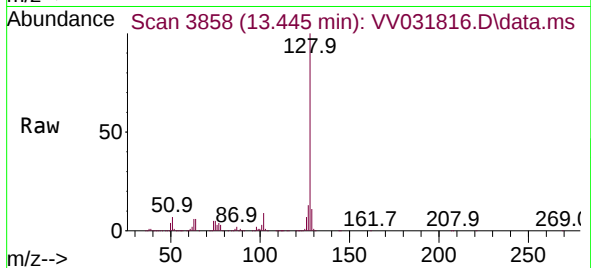
Acq: 16 Aug 2023 11:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	128	Resp:	902259
Ion	Ratio	Lower	Upper
128	100		
127	13.4	11.0	16.4
129	11.1	8.6	13.0



#72

1,2,3-Trichlorobenzene

Concen: 54.739 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. -0.000 min

Lab File: VV031816.D

Acq: 16 Aug 2023 11:48

Tgt Ion:	180	Resp:	319005
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.7	115.1
145	34.5	27.7	41.5

