

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW081523\
 Data File : VW031817.D
 Acq On : 15 Aug 2023 18:17
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050399

Quant Time: Aug 16 02:14:40 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	353805	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	391877	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	249420	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	121652	33.728	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.460%
7) Chloroethane-d5	1.529	69	130788	39.569	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.140%
11) 1,1-Dichloroethene-d2	2.060	65	55327	33.139	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.280%
21) 2-Butanone-d5	3.790	46	273485	109.579	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.580%
24) Chloroform-d	4.256	84	358609	48.360	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.720%
26) 1,2-Dichloroethane-d4	4.947	65	222174	48.153	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.300%
32) Benzene-d6	4.966	84	544675	43.893	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.780%
36) 1,2-Dichloropropane-d6	5.995	67	207052	44.419	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.840%
41) Toluene-d8	7.249	98	491141	47.219	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.440%
43) trans-1,3-Dichloroprop...	7.558	79	87394	43.619	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.240%
47) 2-Hexanone-d5	8.031	63	199632	114.207	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.210%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	330705	51.492	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.980%
66) 1,2-Dichlorobenzene-d4	11.564	152	224228	44.401	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	210005	48.028	ug/L	98
3) Chloromethane	1.217	50	210863	50.704	ug/L	98
5) Vinyl chloride	1.282	62	214046	50.810	ug/L	98
6) Bromomethane	1.481	94	139840	48.162	ug/L	100
8) Chloroethane	1.548	64	143317	50.973	ug/L	98
9) Trichlorofluoromethane	1.712	101	350631	49.374	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	194680	47.456	ug/L	98
12) 1,1-Dichloroethene	2.069	96	163768	48.033	ug/L	90
13) Acetone	2.114	43	179590	75.177	ug/L	99
14) Carbon disulfide	2.240	76	392102	46.784	ug/L	99
15) Methyl Acetate	2.375	43	217985	52.400	ug/L	98
16) Methylene chloride	2.449	84	208755	54.499	ug/L	98
17) trans-1,2-Dichloroethene	2.696	96	153416	50.583	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	525812	52.699	ug/L	100
19) 1,1-Dichloroethane	3.114	63	355991	50.705	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	176256	51.459	ug/L	97
22) 2-Butanone	3.873	43	277781	102.232	ug/L	97
23) Bromochloromethane	4.153	128	101866	53.713	ug/L	98
25) Chloroform	4.281	83	388829	52.284	ug/L	99

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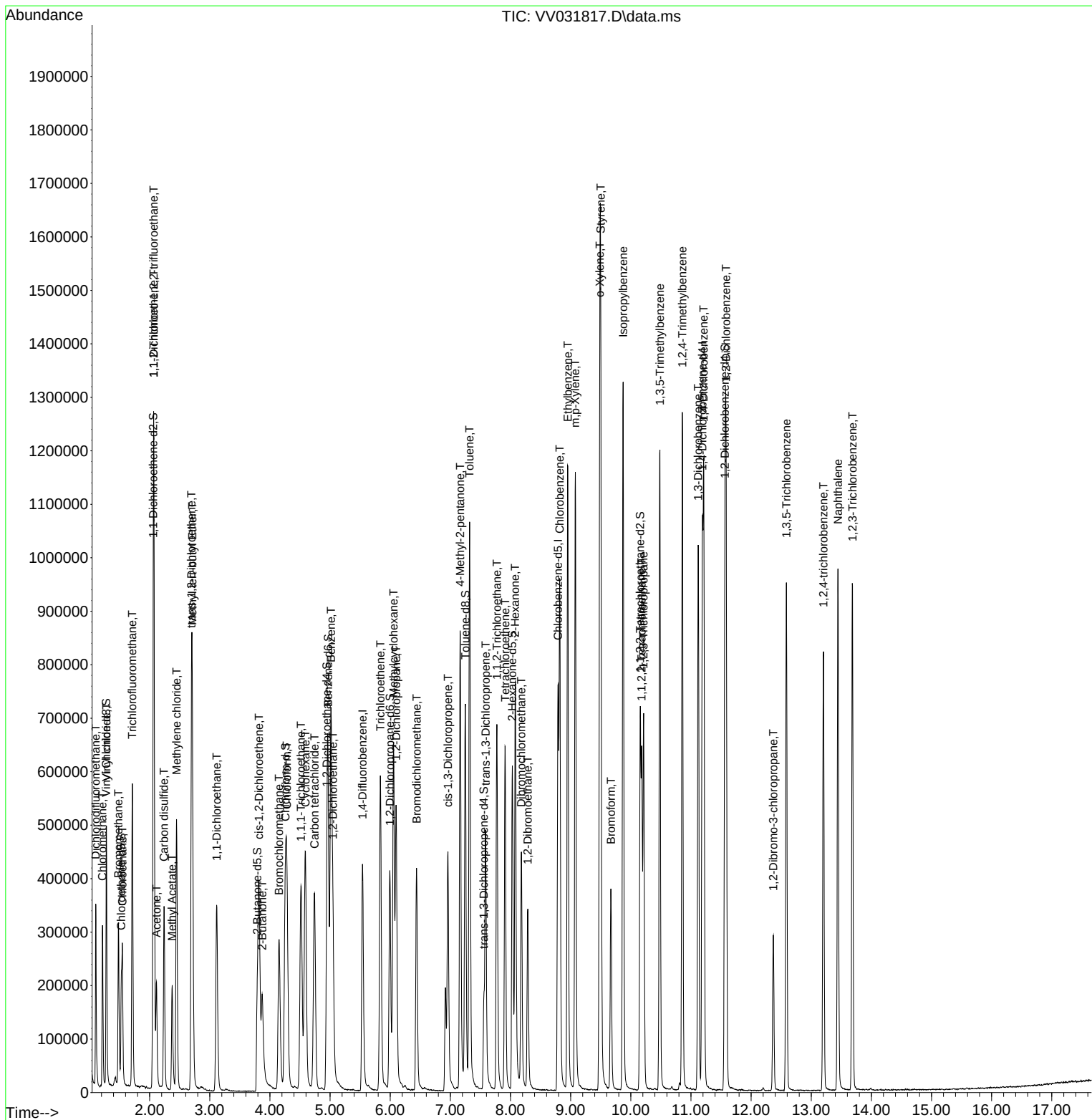
Instrument :
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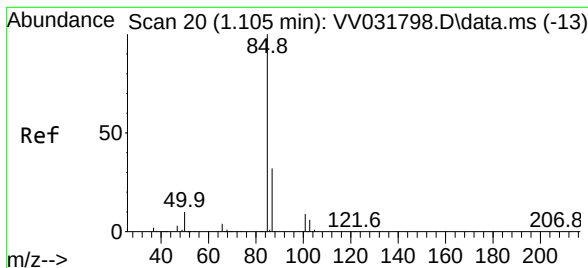
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 Quant Title : VOC Analysis
 QLast Update : Wed Aug 16 02:07:29 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	287843	52.041	ug/L	100
29) Cyclohexane	4.590	56	224162	46.456	ug/L	97
30) 1,1,1-Trichloroethane	4.516	97	333286	49.511	ug/L	99
31) Carbon tetrachloride	4.741	117	293196	49.883	ug/L	98
33) Benzene	5.015	78	714506	51.837	ug/L	100
34) Trichloroethene	5.838	95	207561	47.720	ug/L	96
35) Methylcyclohexane	6.056	83	232700	48.098	ug/L	98
37) 1,2-Dichloropropane	6.098	63	219453	53.596	ug/L	98
38) Bromodichloromethane	6.439	83	289542	49.573	ug/L	96
39) cis-1,3-Dichloropropene	6.960	75	281713	48.464	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	573102	109.897	ug/L	98
42) Toluene	7.320	91	777116	54.896	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	294173	50.712	ug/L	97
45) 1,1,2-Trichloroethane	7.773	97	217448	52.630	ug/L	97
46) Tetrachloroethene	7.912	164	142694	51.921	ug/L	97
48) 2-Hexanone	8.079	43	473540	113.842	ug/L	98
49) Dibromochloromethane	8.182	129	227803	52.250	ug/L	100
50) 1,2-Dibromoethane	8.288	107	225673	51.847	ug/L	98
51) Chlorobenzene	8.818	112	482338	50.994	ug/L	100
52) Ethylbenzene	8.953	91	795202	51.836	ug/L	100
53) m,p-Xylene	9.079	106	297923	53.853	ug/L	94
54) o-Xylene	9.484	106	282557	53.291	ug/L	95
55) Styrene	9.500	104	558384	57.651	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.182	83	303137	52.912	ug/L	98
59) Bromoform	9.670	173	162941	47.646	ug/L #	95
60) Isopropylbenzene	9.873	105	783005	50.302	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	283248	48.415	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	613459	48.707	ug/L	100
63) 1,2,4-Trimethylbenzene	10.857	105	639970	50.194	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	407934	50.133	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	433499	50.116	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	421688	50.332	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	75360	46.313	ug/L	92
69) 1,3,5-Trichlorobenzene	12.587	180	276741	46.631	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	237840	44.796	ug/L	99
71) Naphthalene	13.445	128	723147	47.250	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	274266	49.417	ug/L	98

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

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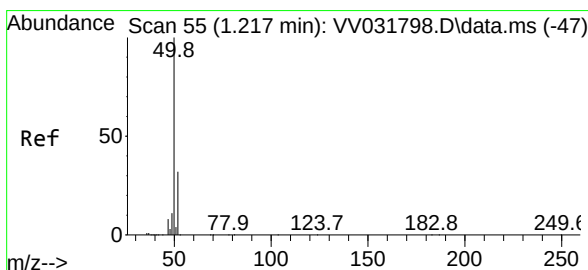
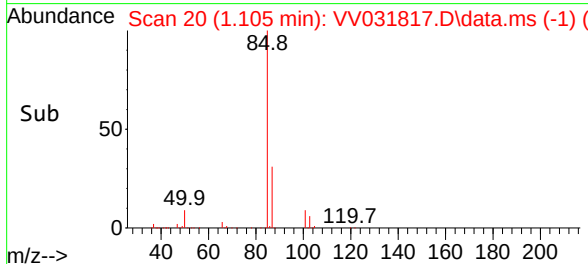
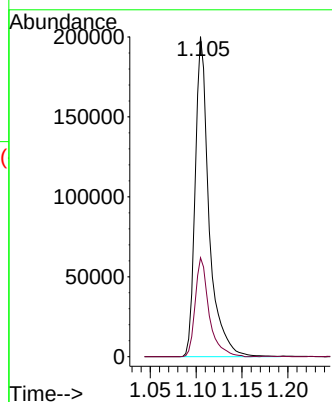
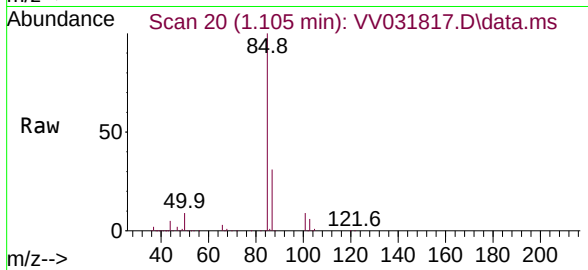




#2
 Dichlorodifluoromethane
 Concen: 48.028 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV031817.D
 Acq: 15 Aug 2023 18:17

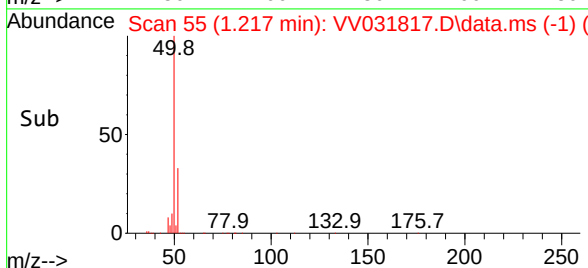
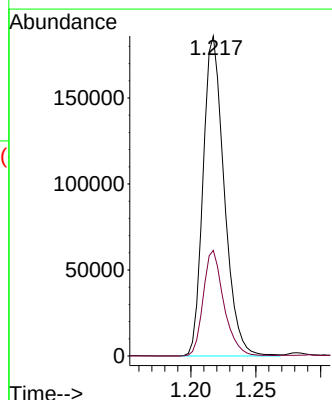
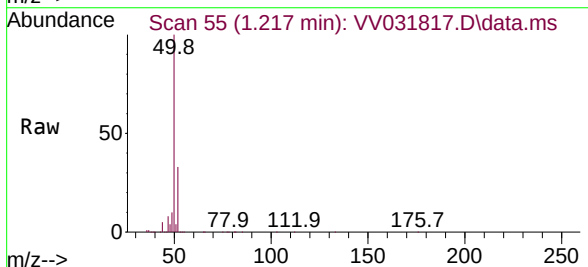
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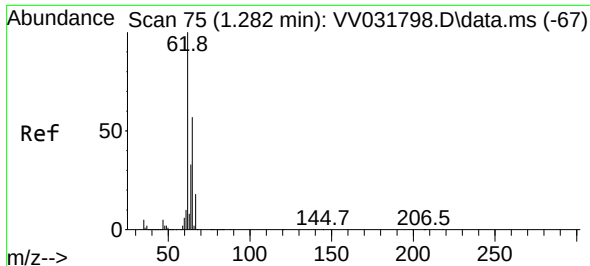
Tgt Ion: 85 Resp: 210005
 Ion Ratio Lower Upper
 85 100
 87 31.0 25.8 38.6



#3
 Chloromethane
 Concen: 50.704 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031817.D
 Acq: 15 Aug 2023 18:17

Tgt Ion: 50 Resp: 210863
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.7 44.1





#5
 Vinyl chloride
 Concen: 50.810 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV031817.D
 Acq: 15 Aug 2023 18:17

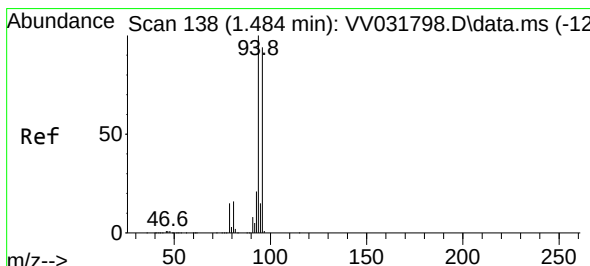
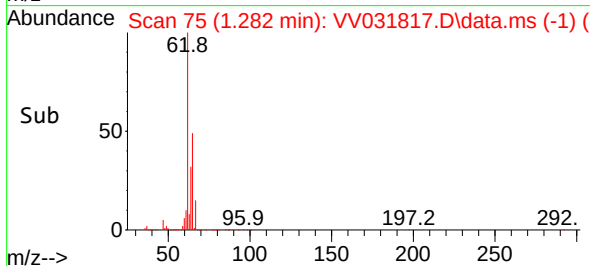
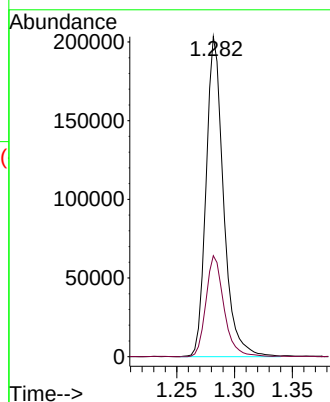
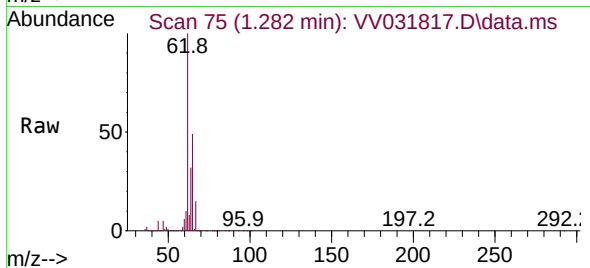
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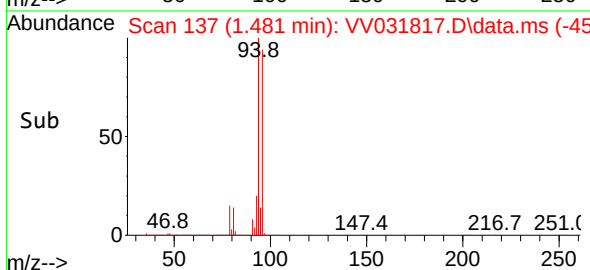
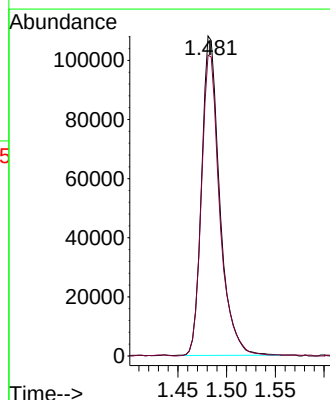
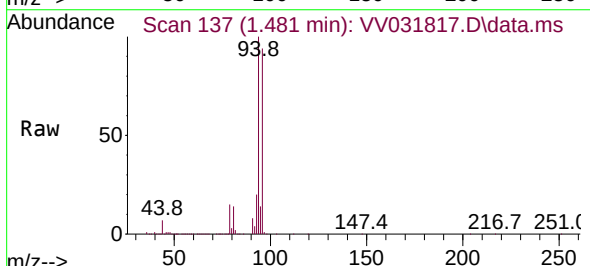
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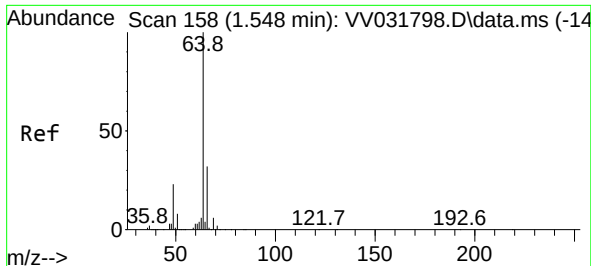
Tgt Ion: 62 Resp: 214046
 Ion Ratio Lower Upper
 62 100
 64 31.5 22.9 42.5



#6
 Bromomethane
 Concen: 48.162 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. -0.003 min
 Lab File: VV031817.D
 Acq: 15 Aug 2023 18:17

Tgt Ion: 94 Resp: 139840
 Ion Ratio Lower Upper
 94 100
 96 94.0 65.7 121.9

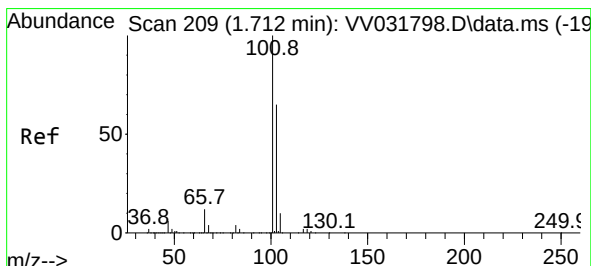
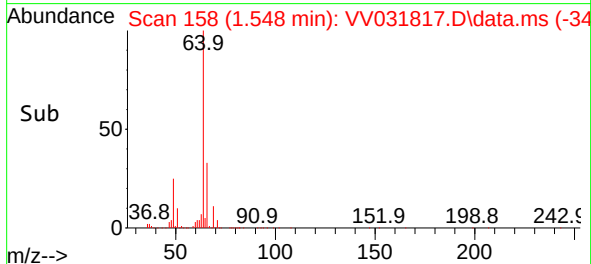
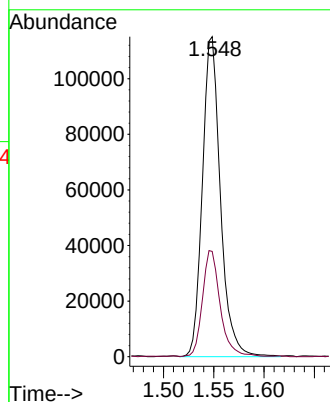
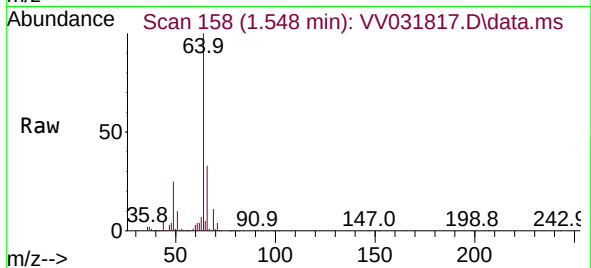




#8
Chloroethane
Concen: 50.973 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

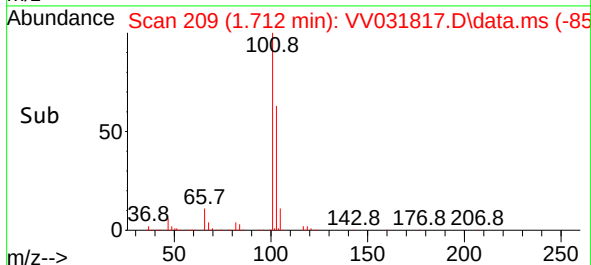
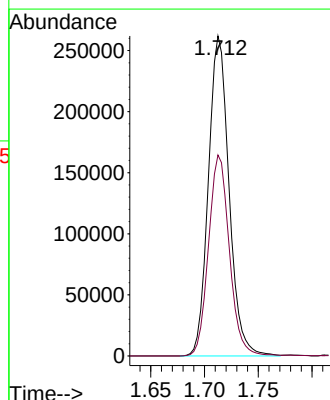
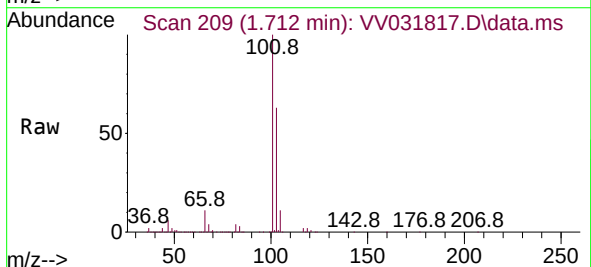
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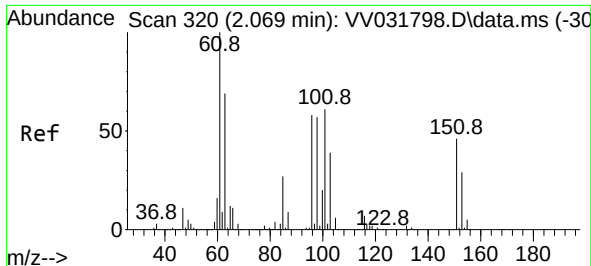
Tgt Ion: 64 Resp: 143317
Ion Ratio Lower Upper
64 100
66 32.9 22.4 41.6



#9
Trichlorofluoromethane
Concen: 49.374 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

Tgt Ion: 101 Resp: 350631
Ion Ratio Lower Upper
101 100
103 63.3 51.7 77.5

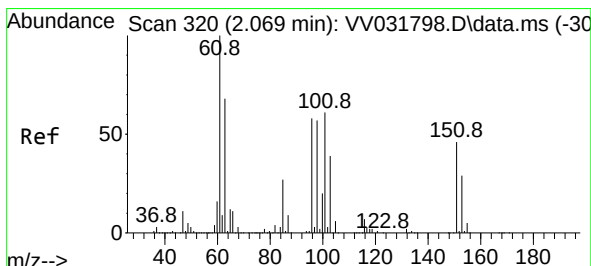
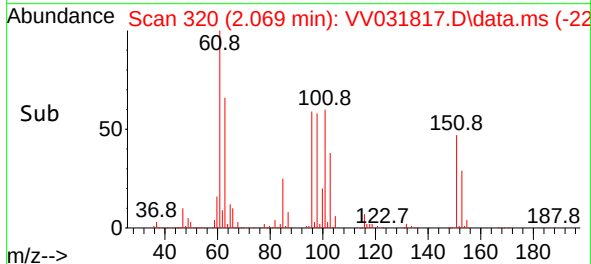
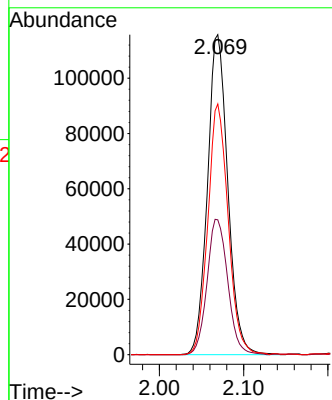
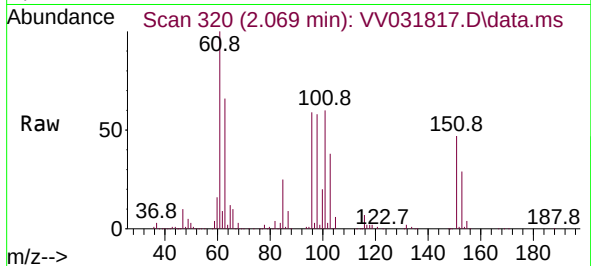




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.456 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV031817.D
 Acq: 15 Aug 2023 18:17

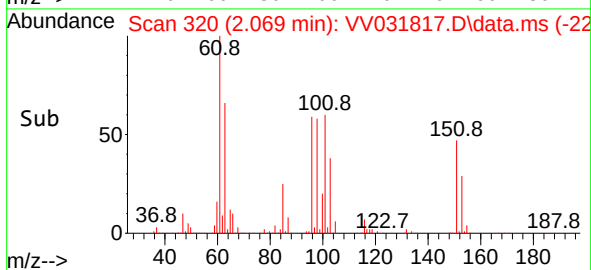
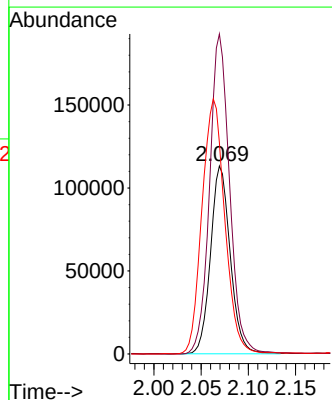
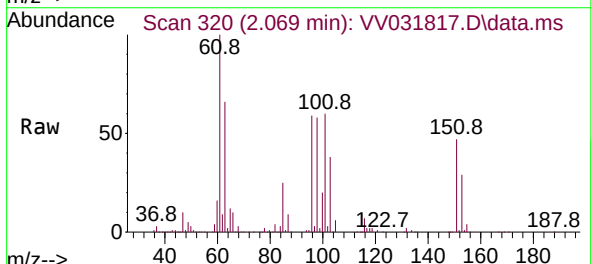
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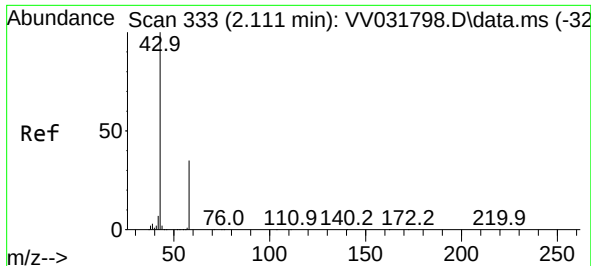
Tgt Ion:101 Resp: 194680
 Ion Ratio Lower Upper
 101 100
 85 43.0 33.9 50.9
 151 78.2 61.0 91.6



#12
 1,1-Dichloroethene
 Concen: 48.033 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV031817.D
 Acq: 15 Aug 2023 18:17

Tgt Ion: 96 Resp: 163768
 Ion Ratio Lower Upper
 96 100
 61 170.2 118.3 219.7
 63 112.3 96.8 179.8





#13

Acetone

Concen: 75.177 ug/L

RT: 2.114 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031817.D

Acq: 15 Aug 2023 18:17

Instrument :

MSVOA_V

ClientSampleId :

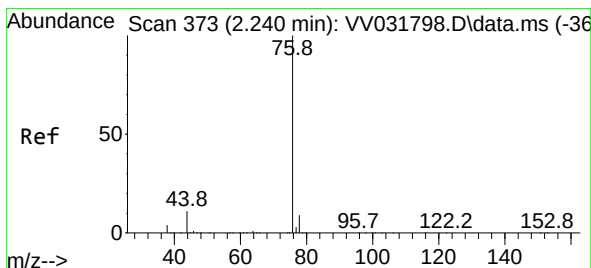
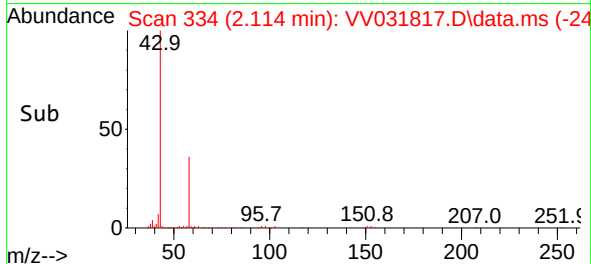
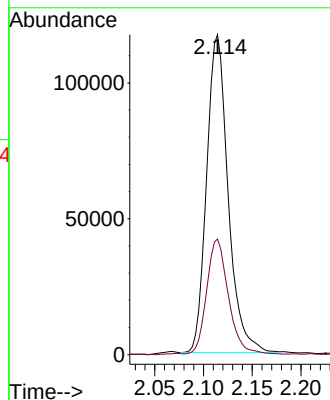
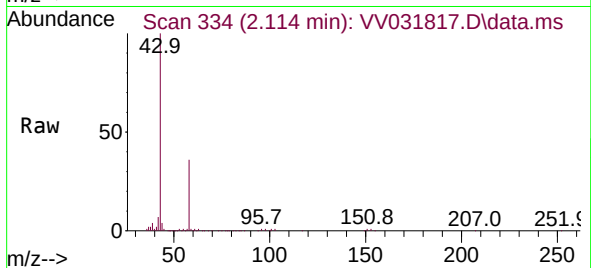
VSTD050399

Tgt Ion: 43 Resp: 179590

Ion Ratio Lower Upper

43 100

58 36.8 0.0 72.0



#14

Carbon disulfide

Concen: 46.784 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV031817.D

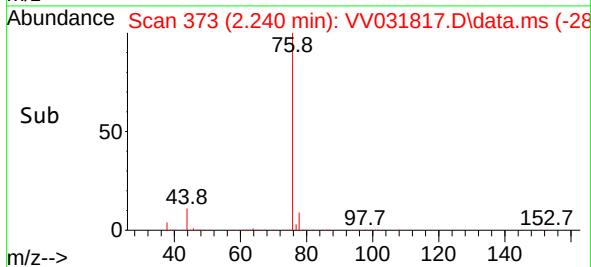
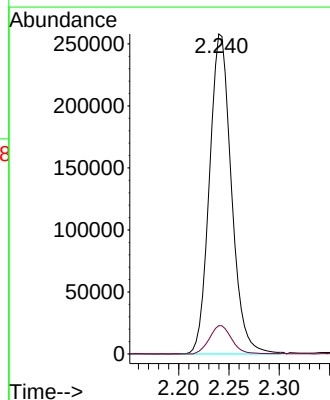
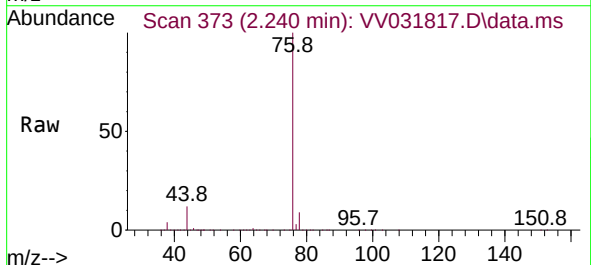
Acq: 15 Aug 2023 18:17

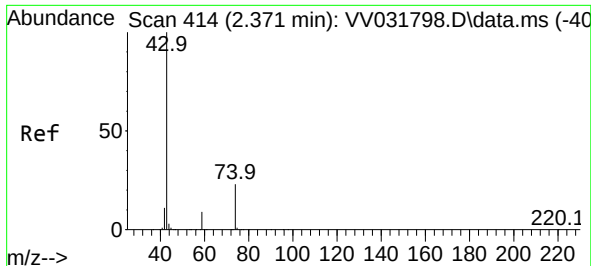
Tgt Ion: 76 Resp: 392102

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

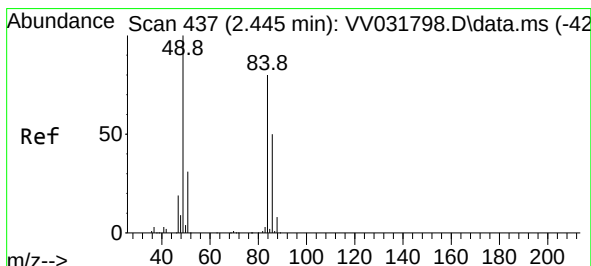
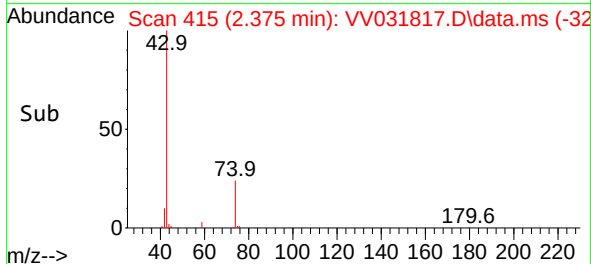
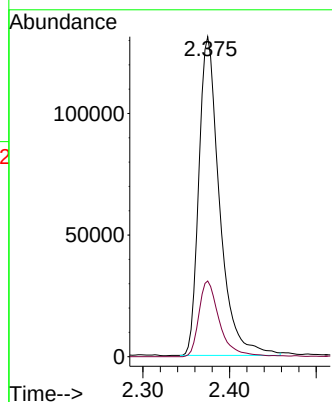
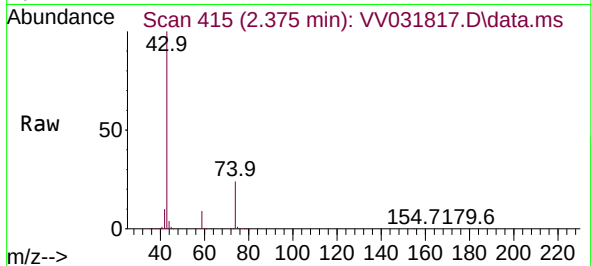




#15
Methyl Acetate
Concen: 52.400 ug/L
RT: 2.375 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

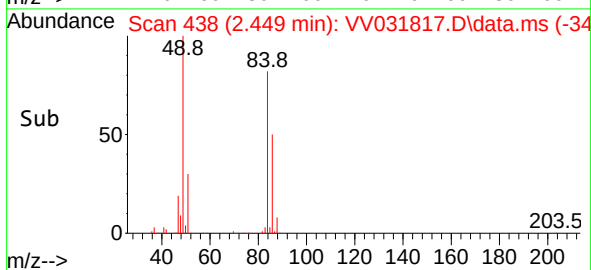
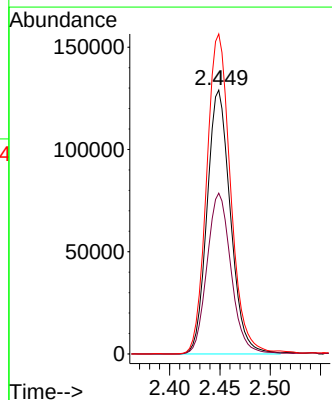
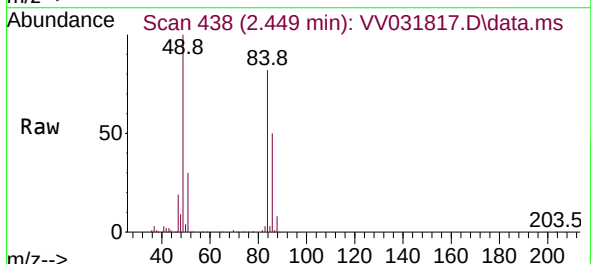
Instrument :
MSVOA_V
ClientSampleId :
VSTD050399

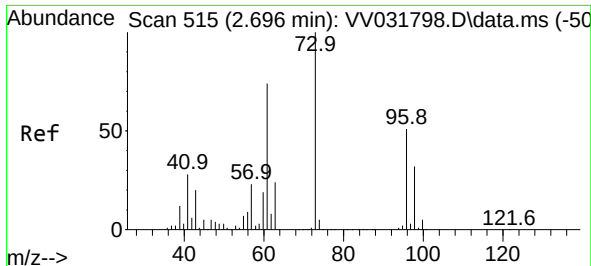
Tgt Ion: 43 Resp: 217985
Ion Ratio Lower Upper
43 100
74 23.5 19.5 29.3



#16
Methylene chloride
Concen: 54.499 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

Tgt Ion: 84 Resp: 208755
Ion Ratio Lower Upper
84 100
86 61.0 44.5 82.7
49 121.3 85.3 158.5

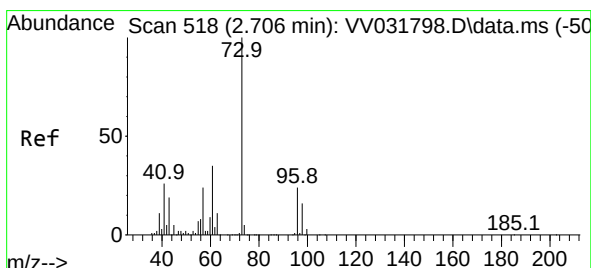
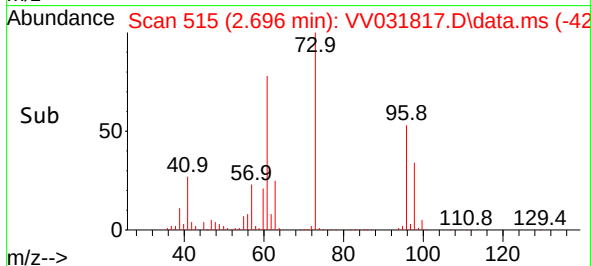
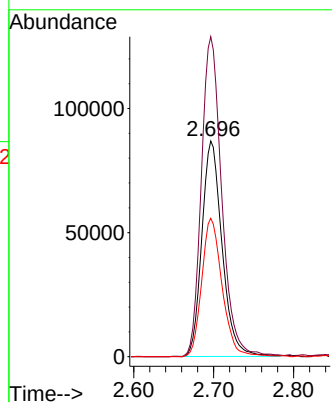
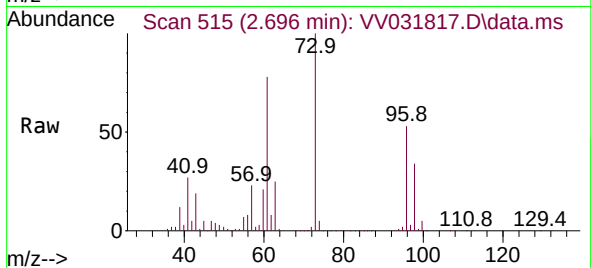




#17
trans-1,2-Dichloroethene
Concen: 50.583 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

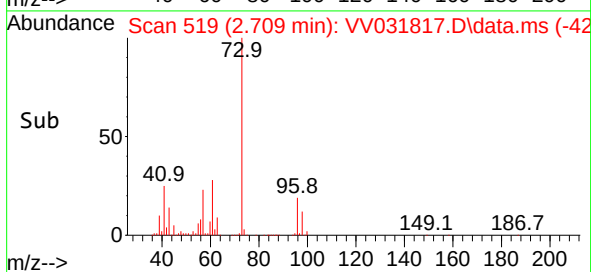
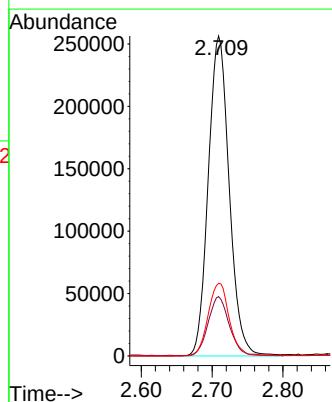
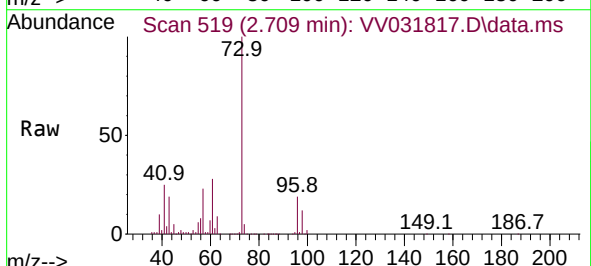
Instrument :
MSVOA_V
ClientSampleId :
VSTD050399

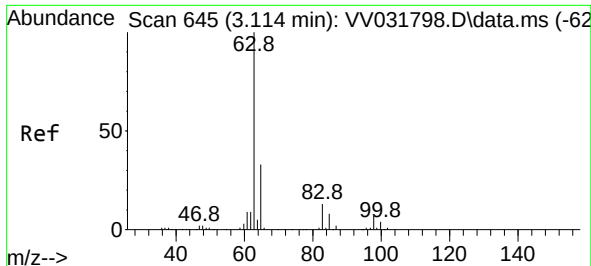
Tgt Ion: 96 Resp: 153416
Ion Ratio Lower Upper
96 100
61 148.3 101.6 188.6
98 64.1 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 52.699 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

Tgt Ion: 73 Resp: 525812
Ion Ratio Lower Upper
73 100
43 18.3 15.0 22.4
57 22.8 18.3 27.5





#19

1,1-Dichloroethane

Concen: 50.705 ug/L

RT: 3.114 min Scan# 645

Delta R.T. 0.000 min

Lab File: VV031817.D

Acq: 15 Aug 2023 18:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD050399

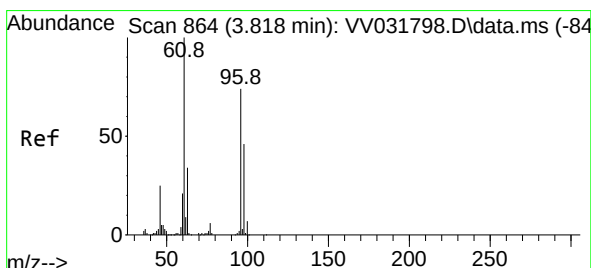
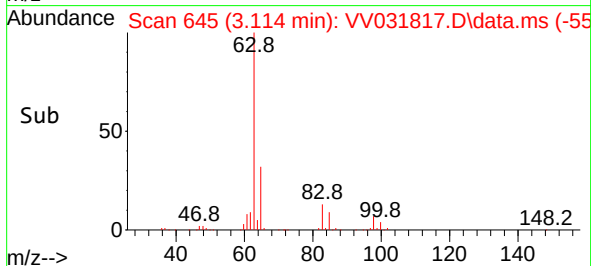
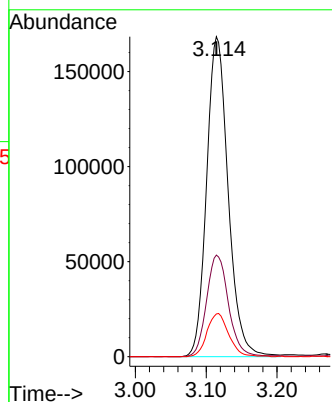
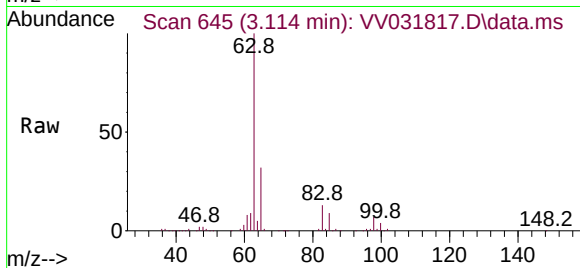
Tgt Ion: 63 Resp: 355991

Ion Ratio Lower Upper

63 100

65 31.7 22.3 41.5

83 14.0 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 51.459 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.000 min

Lab File: VV031817.D

Acq: 15 Aug 2023 18:17

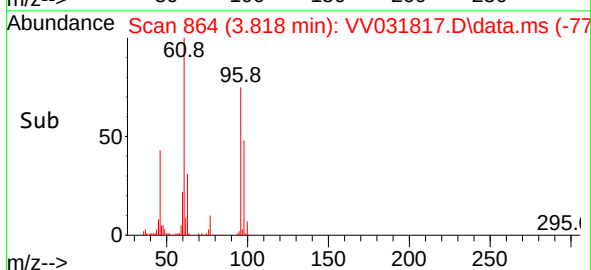
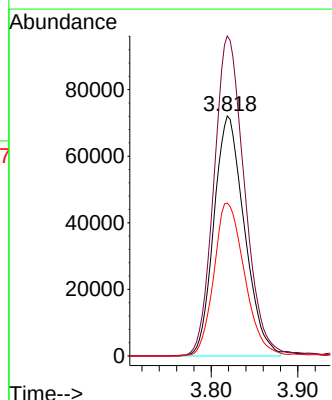
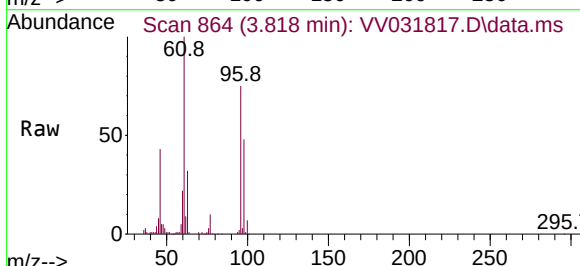
Tgt Ion: 96 Resp: 176256

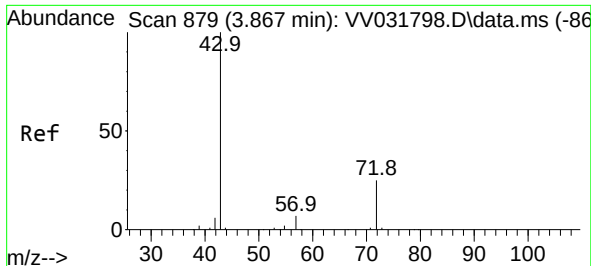
Ion Ratio Lower Upper

96 100

61 133.3 90.6 168.2

98 63.8 43.8 81.3

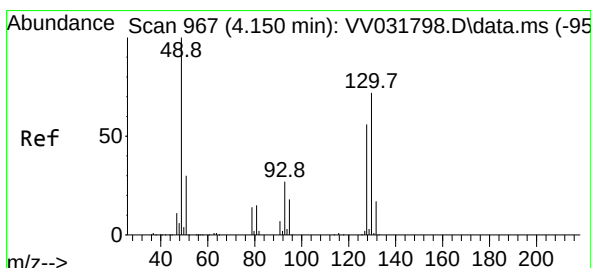
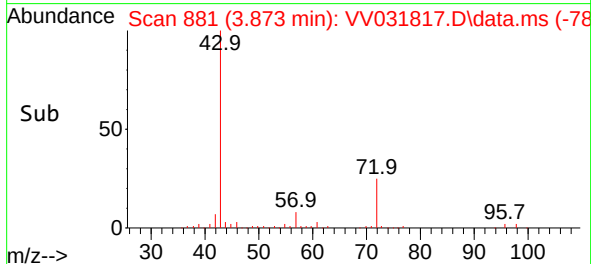
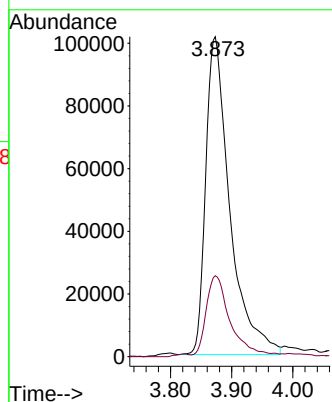
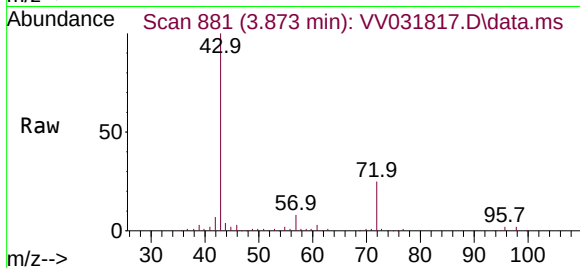




#22
2-Butanone
Concen: 102.232 ug/L
RT: 3.873 min Scan# 81
Delta R.T. 0.007 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

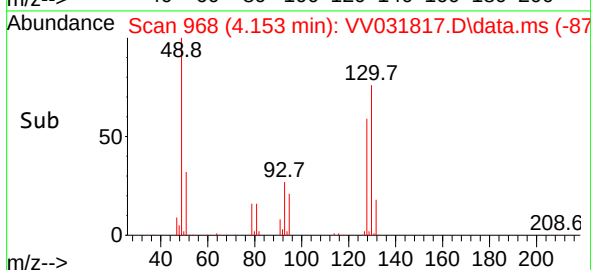
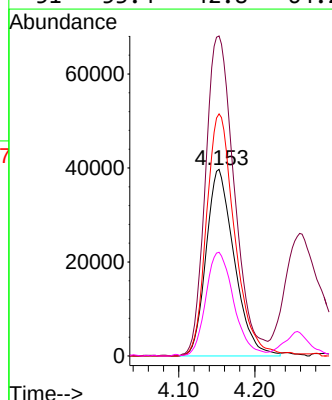
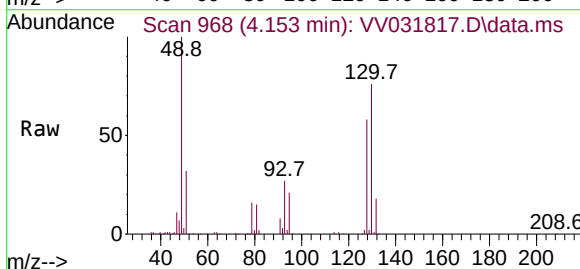
Instrument :
MSVOA_V
ClientSampleId :
VSTD050399

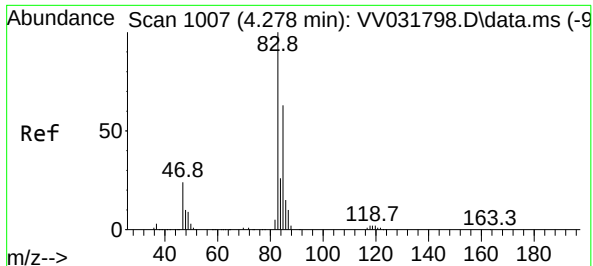
Tgt Ion: 43 Resp: 277781
Ion Ratio Lower Upper
43 100
72 23.7 12.7 38.0



#23
Bromochloromethane
Concen: 53.713 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.003 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

Tgt Ion:128 Resp: 101866
Ion Ratio Lower Upper
128 100
49 164.8 117.9 218.9
130 124.7 89.1 165.5
51 53.4 42.8 64.2





#25

Chloroform

Concen: 52.284 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. 0.003 min

Lab File: VV031817.D

Acq: 15 Aug 2023 18:17

Instrument :

MSVOA_V

ClientSampleId :

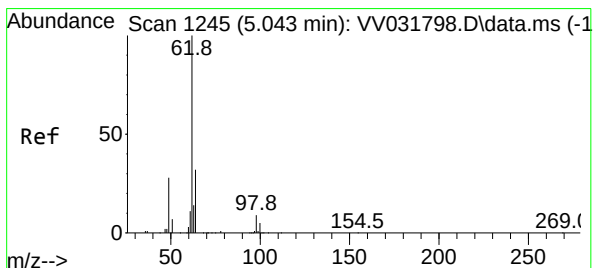
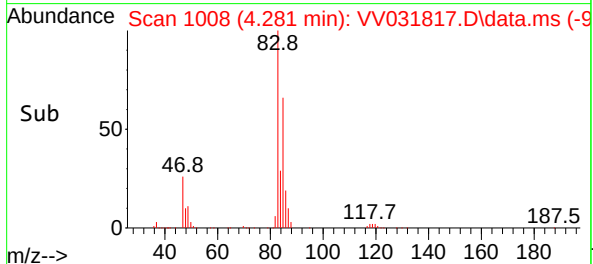
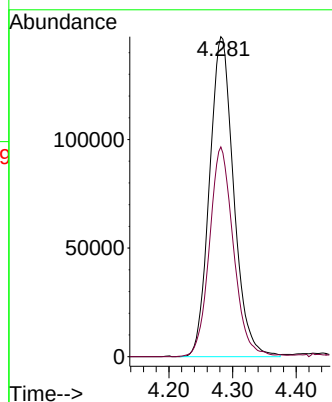
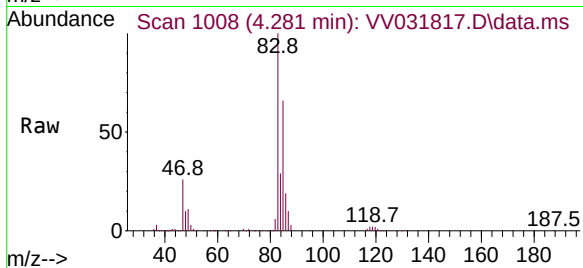
VSTD050399

Tgt Ion: 83 Resp: 388829

Ion Ratio Lower Upper

83 100

85 65.6 45.1 83.9



#27

1,2-Dichloroethane

Concen: 52.041 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.003 min

Lab File: VV031817.D

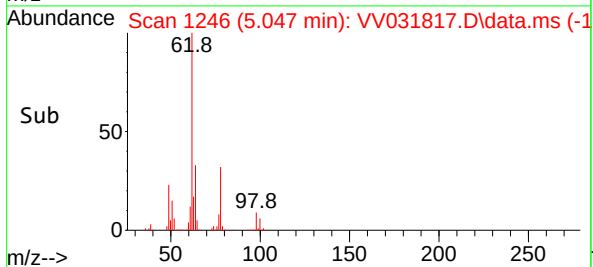
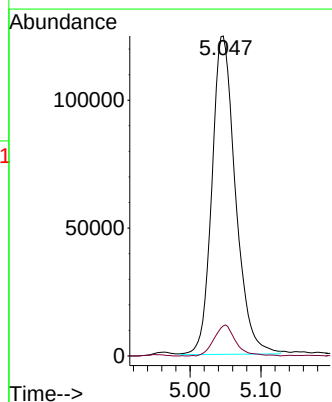
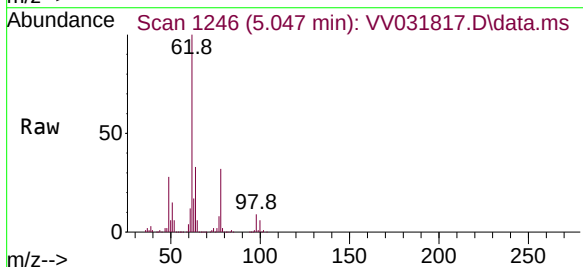
Acq: 15 Aug 2023 18:17

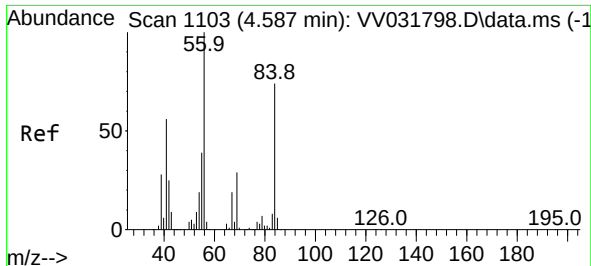
Tgt Ion: 62 Resp: 287843

Ion Ratio Lower Upper

62 100

98 9.4 7.5 11.3





#29

Cyclohexane

Concen: 46.456 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. 0.003 min

Lab File: VV031817.D

Acq: 15 Aug 2023 18:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD050399

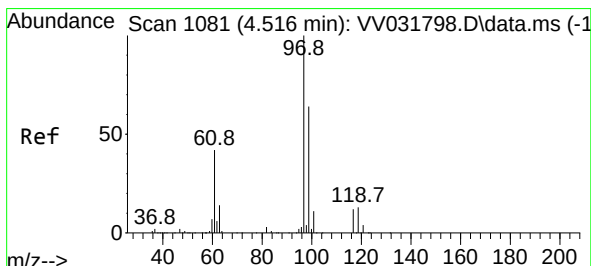
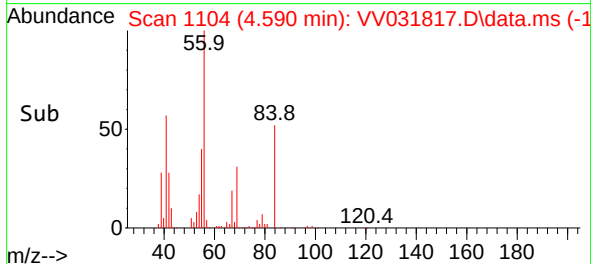
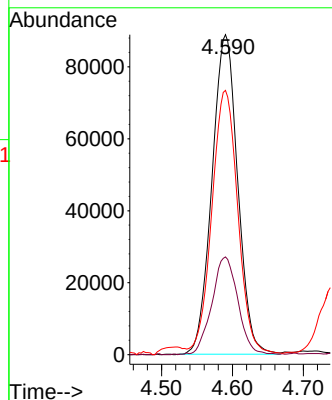
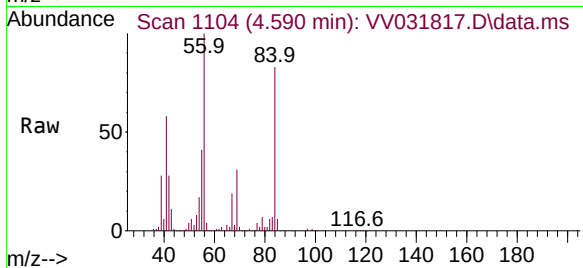
Tgt Ion: 56 Resp: 224162

Ion Ratio Lower Upper

56 100

69 30.2 24.1 36.1

84 83.0 63.6 95.4



#30

1,1,1-Trichloroethane

Concen: 49.511 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.000 min

Lab File: VV031817.D

Acq: 15 Aug 2023 18:17

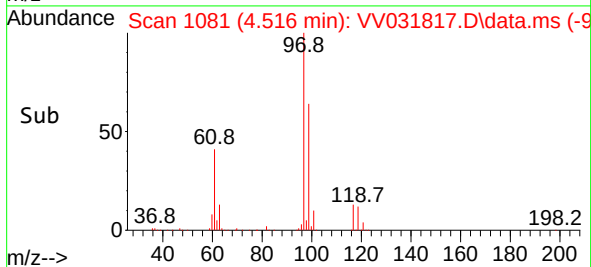
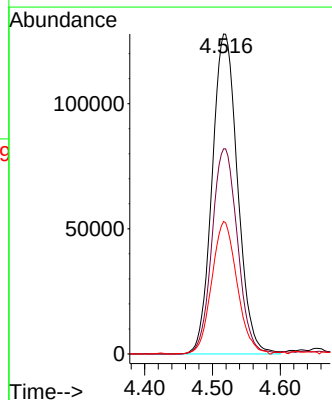
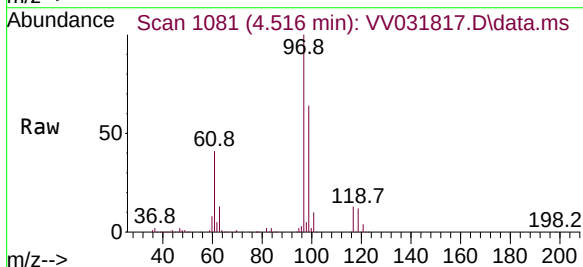
Tgt Ion: 97 Resp: 333286

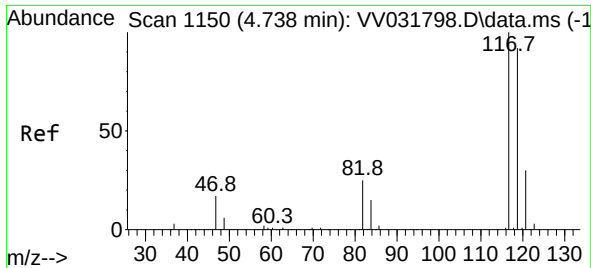
Ion Ratio Lower Upper

97 100

99 64.3 51.5 77.3

61 41.3 32.2 48.2

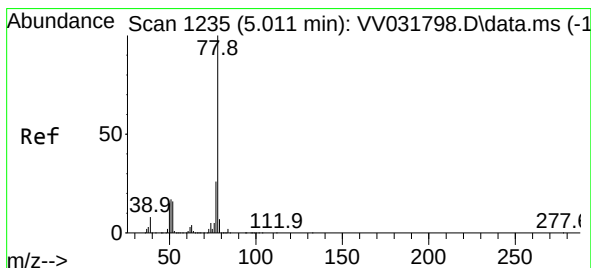
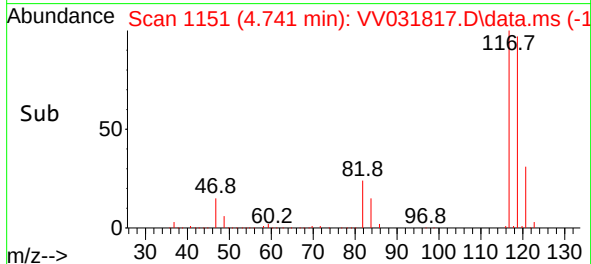
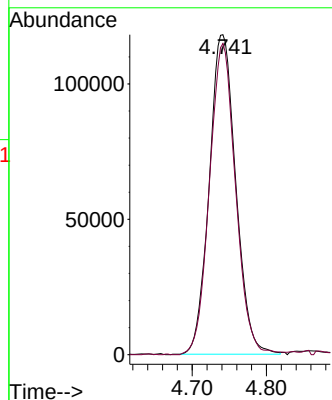
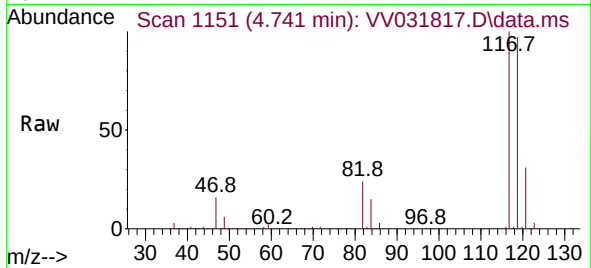




#31
Carbon tetrachloride
Concen: 49.883 ug/L
RT: 4.741 min Scan# 1150
Delta R.T. 0.003 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

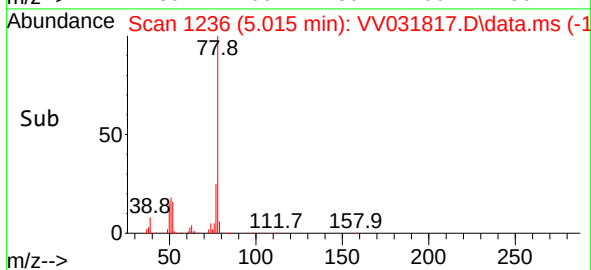
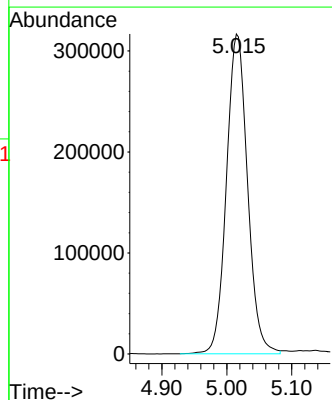
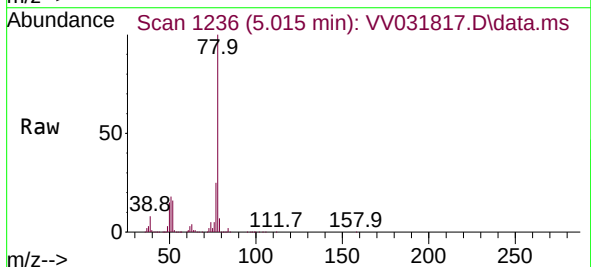
Instrument :
MSVOA_V
ClientSampleId :
VSTD050399

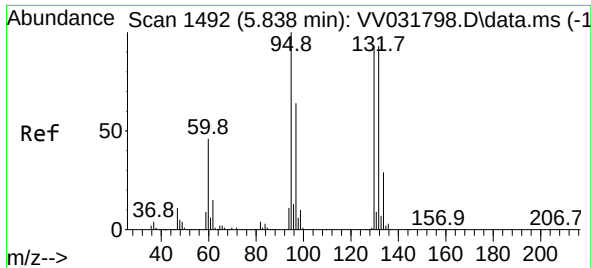
Tgt Ion:117 Resp: 293196
Ion Ratio Lower Upper
117 100
119 95.1 78.0 117.0



#33
Benzene
Concen: 51.837 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

Tgt Ion: 78 Resp: 714506



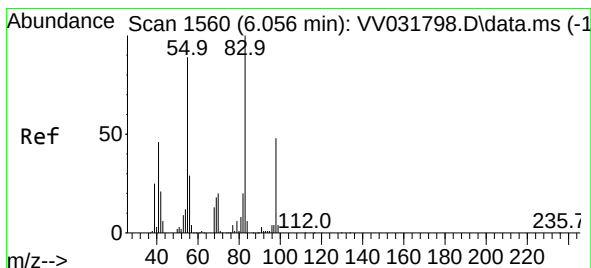
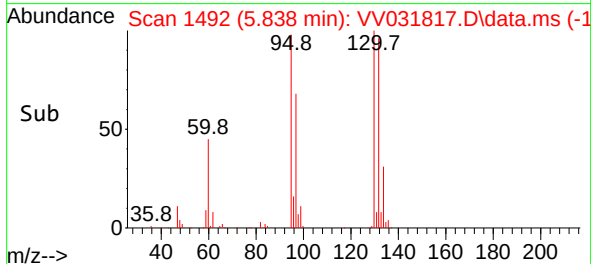
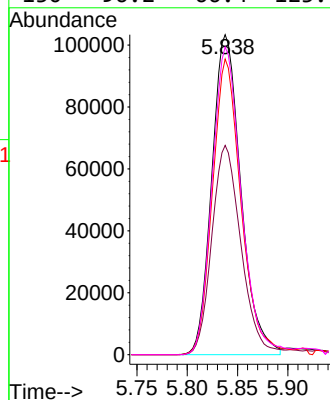
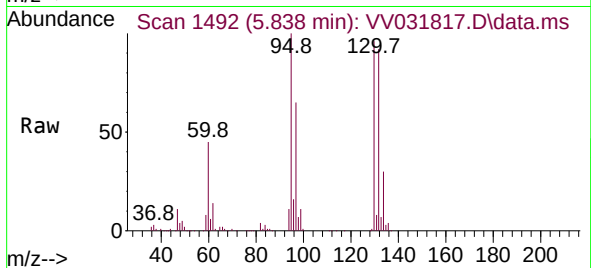


#34
Trichloroethene
Concen: 47.720 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.000 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD050399

Tgt Ion: 95 Resp: 207561

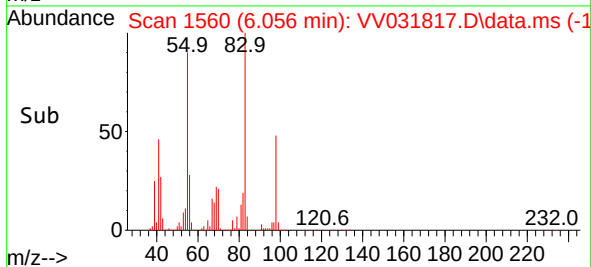
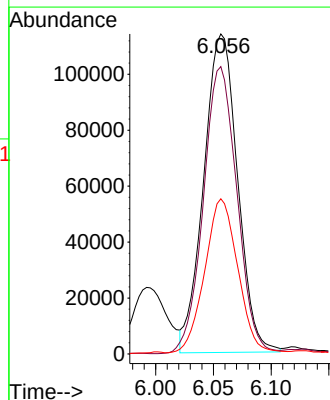
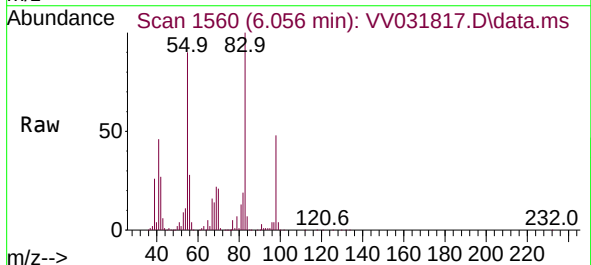
Ion	Ratio	Lower	Upper
95	100		
97	65.4	47.0	87.2
132	99.8	64.8	120.4
130	96.2	66.4	123.4

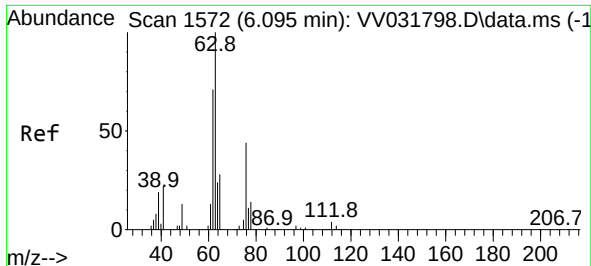


#35
Methylcyclohexane
Concen: 48.098 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. 0.000 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

Tgt Ion: 83 Resp: 232700

Ion	Ratio	Lower	Upper
83	100		
55	89.5	69.4	104.2
98	47.4	38.2	57.2





#37

1,2-Dichloropropane

Concen: 53.596 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031817.D

Acq: 15 Aug 2023 18:17

Instrument :

MSVOA_V

ClientSampleId :

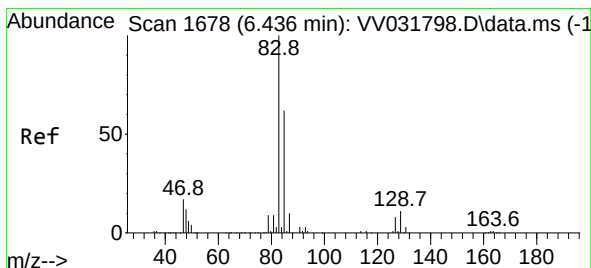
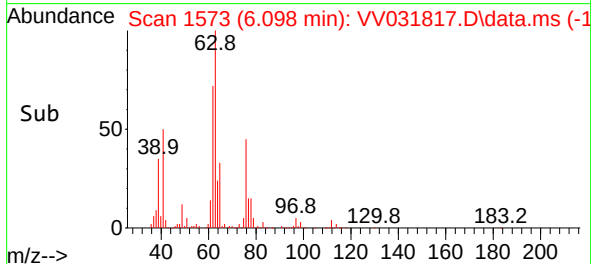
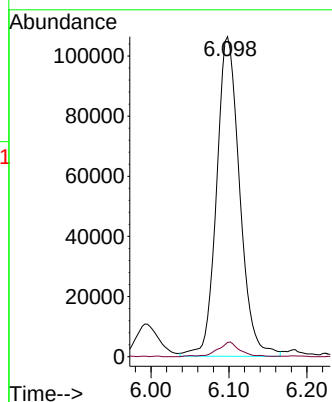
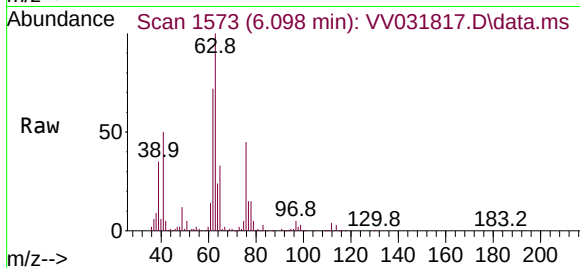
VSTD050399

Tgt Ion: 63 Resp: 219453

Ion Ratio Lower Upper

63 100

112 3.8 3.7 5.5



#38

Bromodichloromethane

Concen: 49.573 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.003 min

Lab File: VV031817.D

Acq: 15 Aug 2023 18:17

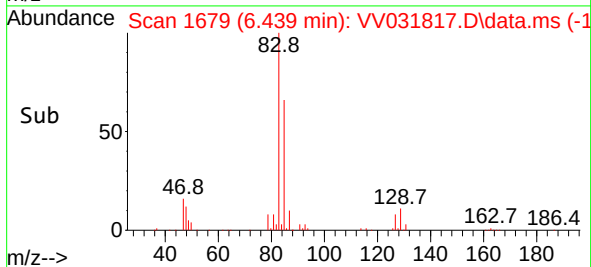
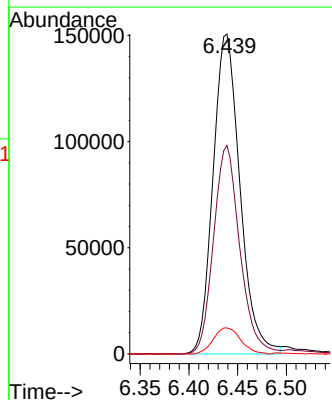
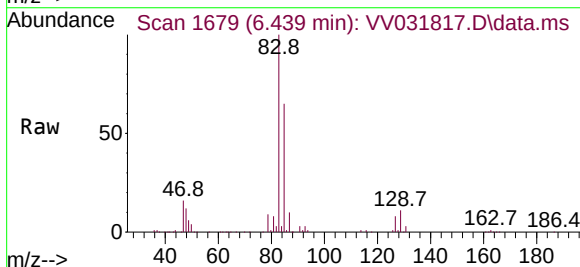
Tgt Ion: 83 Resp: 289542

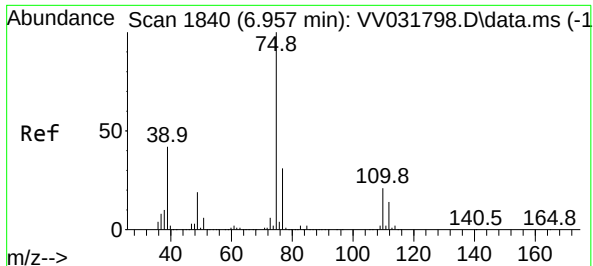
Ion Ratio Lower Upper

83 100

85 66.1 44.2 82.0

127 9.1 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 48.464 ug/L

RT: 6.960 min Scan# 1840

Delta R.T. 0.003 min

Lab File: VV031817.D

Acq: 15 Aug 2023 18:17

Instrument :

MSVOA_V

ClientSampleId :

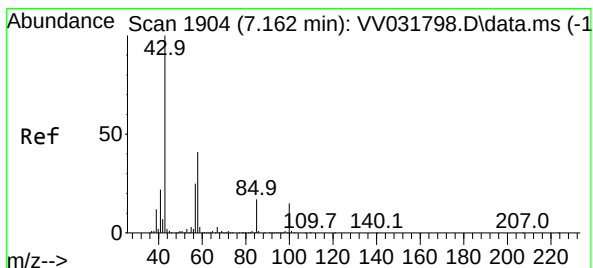
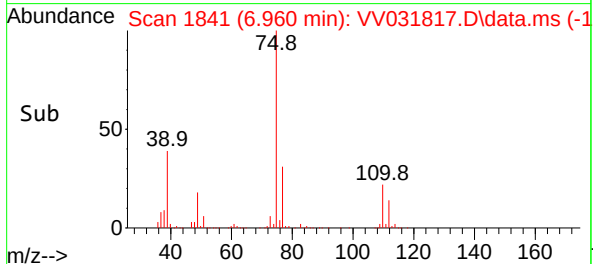
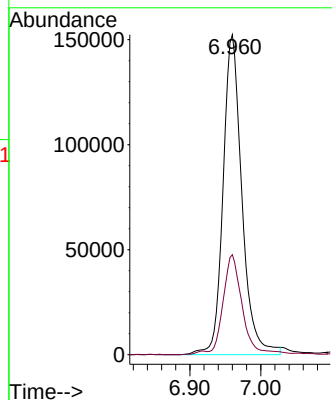
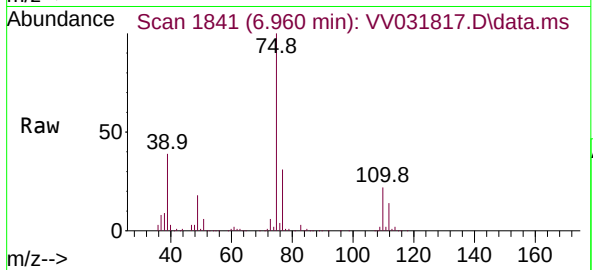
VSTD050399

Tgt Ion: 75 Resp: 281713

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 109.897 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV031817.D

Acq: 15 Aug 2023 18:17

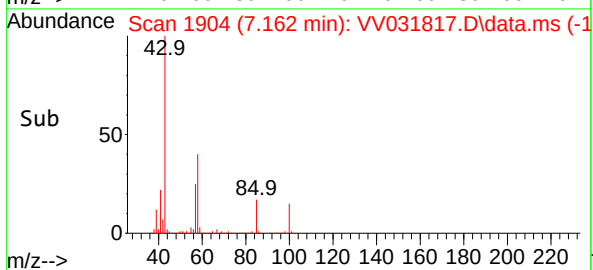
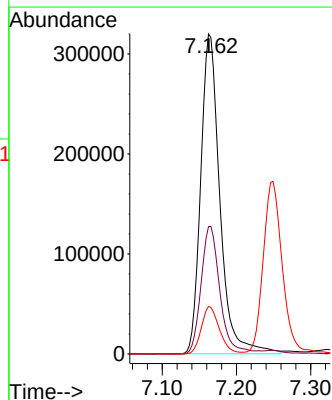
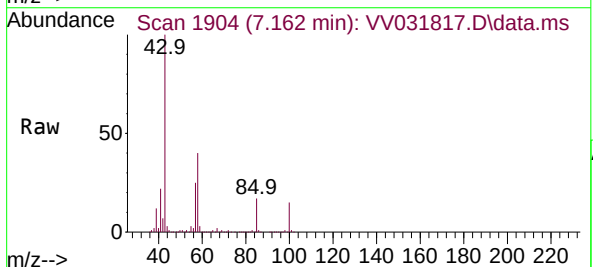
Tgt Ion: 43 Resp: 573102

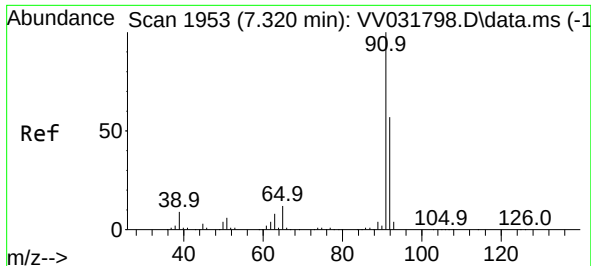
Ion Ratio Lower Upper

43 100

58 39.2 32.1 48.1

100 14.0 12.1 18.1





#42

Toluene

Concen: 54.896 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031817.D

Acq: 15 Aug 2023 18:17

Instrument :

MSVOA_V

ClientSampleId :

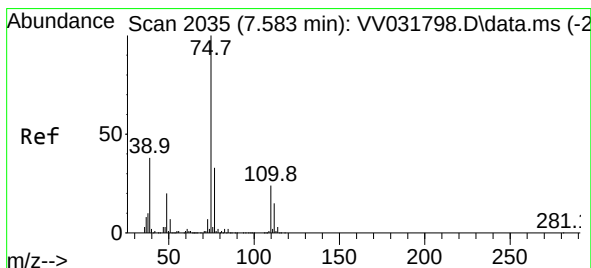
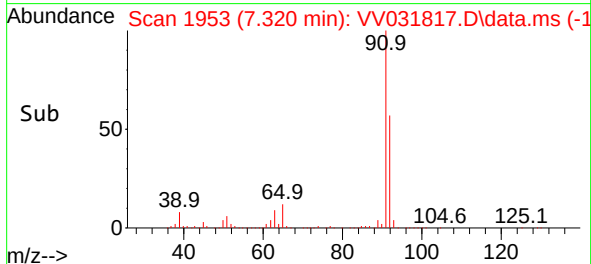
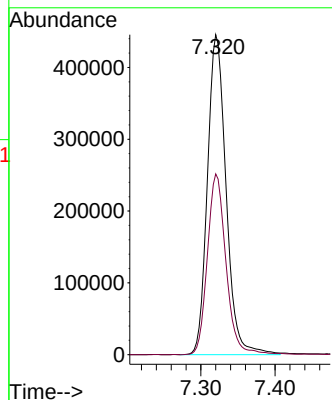
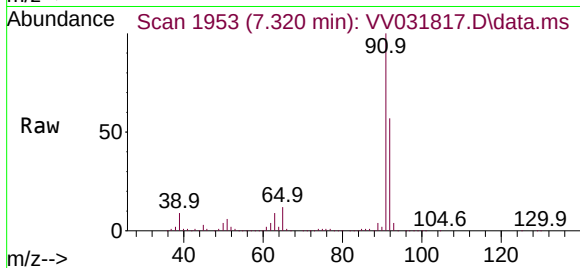
VSTD050399

Tgt Ion: 91 Resp: 777116

Ion Ratio Lower Upper

91 100

92 56.5 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 50.712 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV031817.D

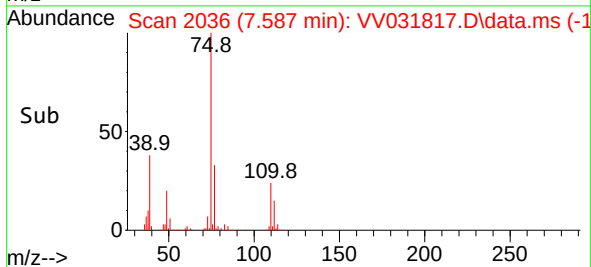
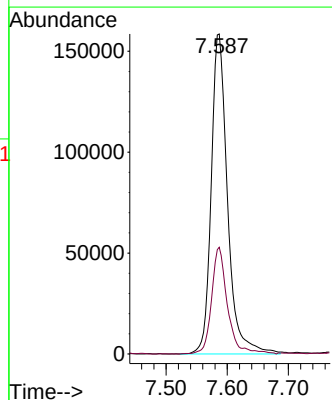
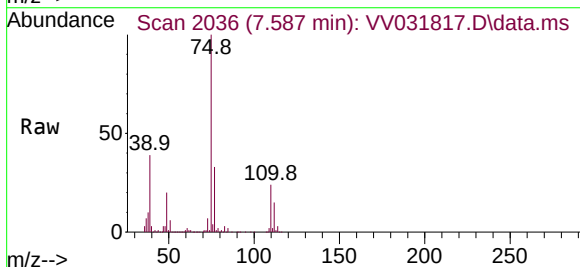
Acq: 15 Aug 2023 18:17

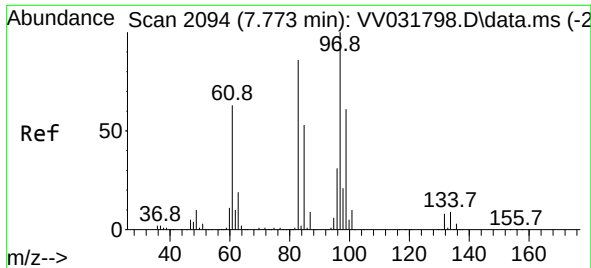
Tgt Ion: 75 Resp: 294173

Ion Ratio Lower Upper

75 100

77 33.4 22.3 41.3



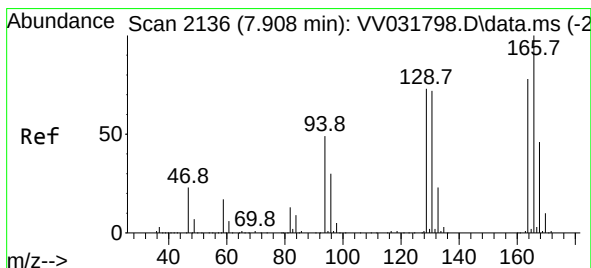
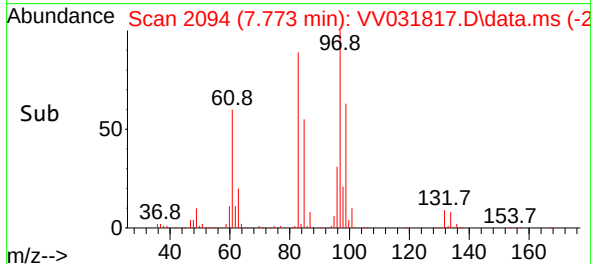
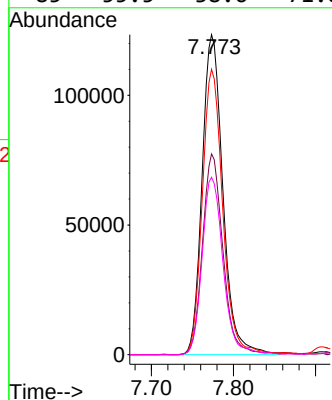
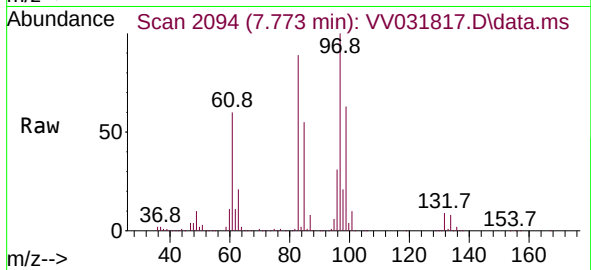


#45
1,1,2-Trichloroethane
Concen: 52.630 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.000 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD050399

Tgt Ion: 97 Resp: 217448

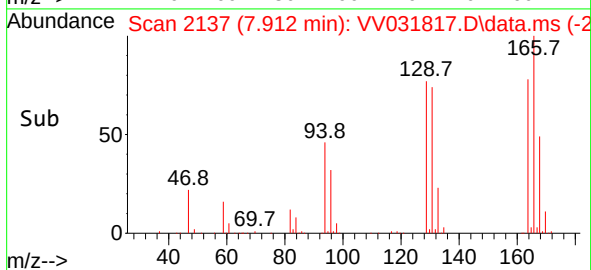
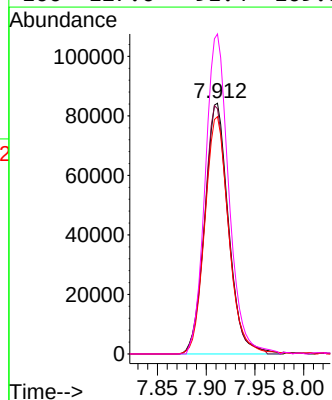
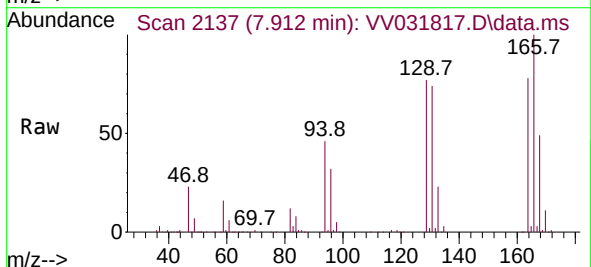
Ion	Ratio	Lower	Upper
97	100		
99	67.1	45.2	84.0
83	89.2	59.5	110.5
85	55.5	38.6	71.8

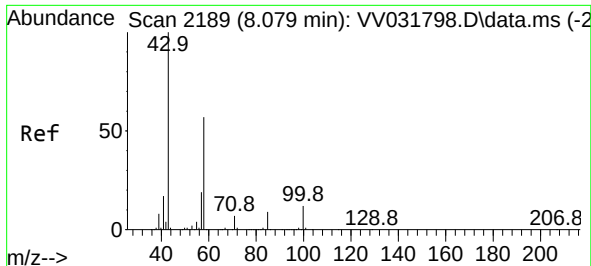


#46
Tetrachloroethene
Concen: 51.921 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

Tgt Ion: 164 Resp: 142694

Ion	Ratio	Lower	Upper
164	100		
129	97.8	65.2	121.0
131	94.6	67.1	124.7
166	127.6	91.4	169.8

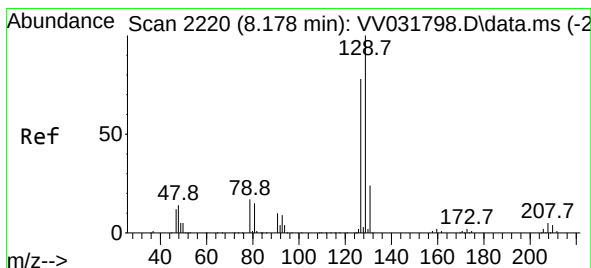
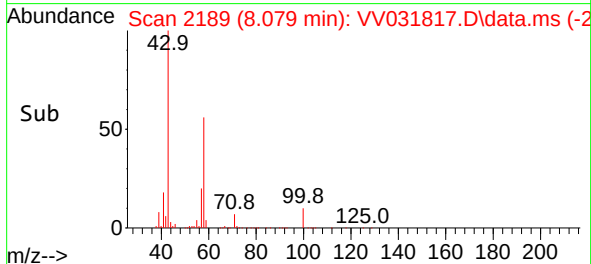
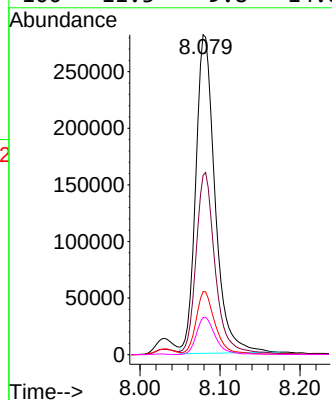
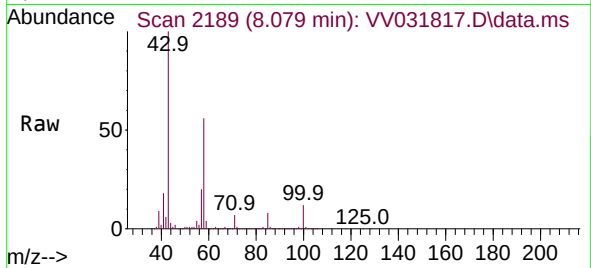




#48
2-Hexanone
Concen: 113.842 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

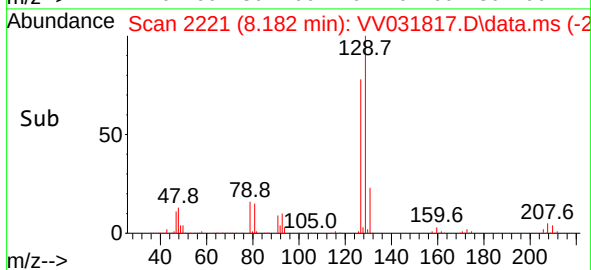
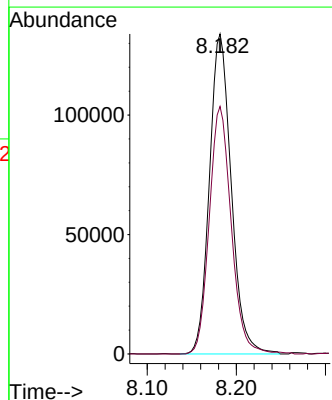
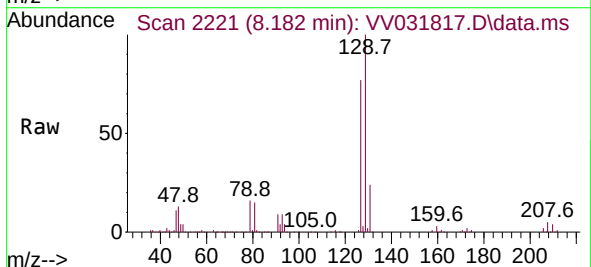
Instrument :
MSVOA_V
ClientSampleId :
VSTD050399

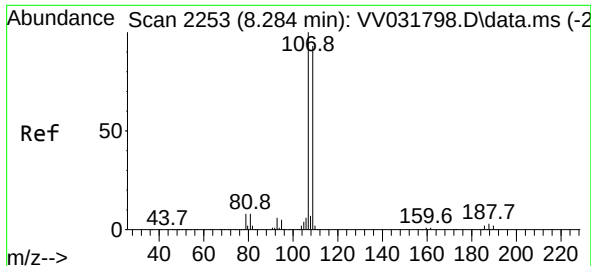
Tgt Ion: 43 Resp: 473540
Ion Ratio Lower Upper
43 100
58 56.3 46.3 69.5
57 19.6 16.8 25.2
100 11.3 9.8 14.8



#49
Dibromochloromethane
Concen: 52.250 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.003 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

Tgt Ion: 129 Resp: 227803
Ion Ratio Lower Upper
129 100
127 79.0 55.2 102.6

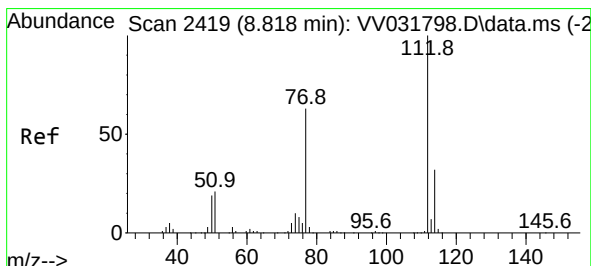
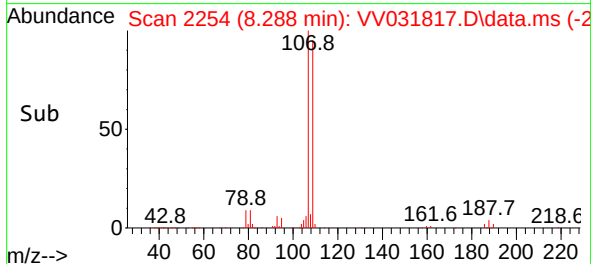
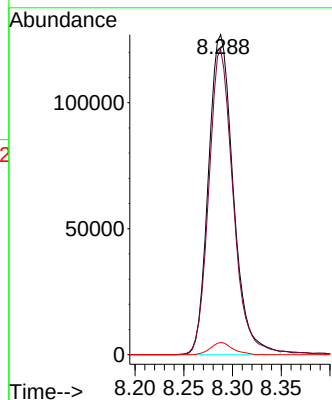
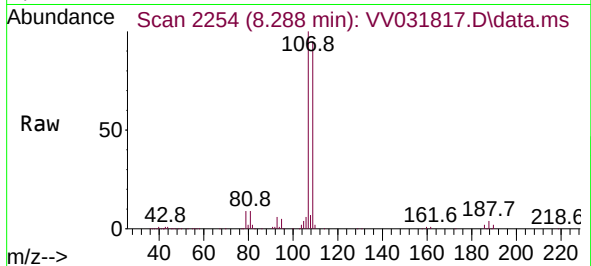




#50
1,2-Dibromoethane
Concen: 51.847 ug/L
RT: 8.288 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

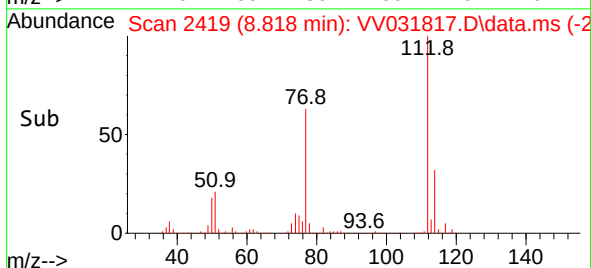
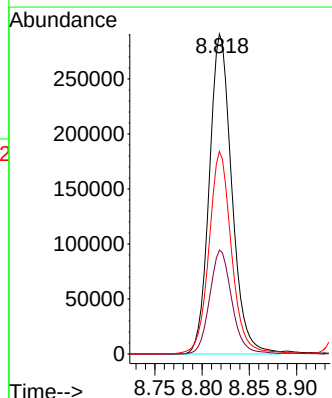
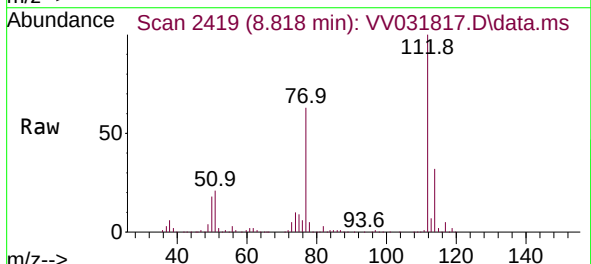
Instrument :
MSVOA_V
ClientSampleId :
VSTD050399

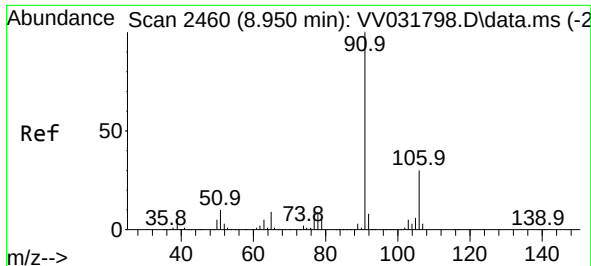
Tgt Ion:107 Resp: 225673
Ion Ratio Lower Upper
107 100
109 95.4 65.4 121.4
188 3.8 2.8 4.2



#51
Chlorobenzene
Concen: 50.994 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. 0.000 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

Tgt Ion:112 Resp: 482338
Ion Ratio Lower Upper
112 100
114 32.4 22.2 41.2
77 63.3 50.6 76.0





#52

Ethylbenzene

Concen: 51.836 ug/L

RT: 8.953 min Scan# 2460

Delta R.T. 0.003 min

Lab File: VV031817.D

Acq: 15 Aug 2023 18:17

Instrument :

MSVOA_V

ClientSampleId :

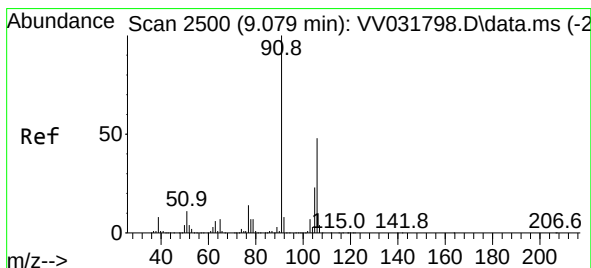
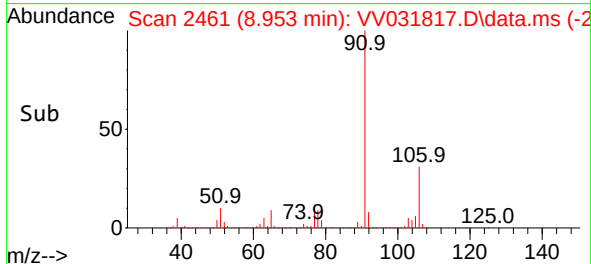
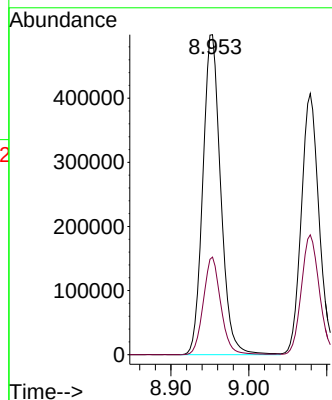
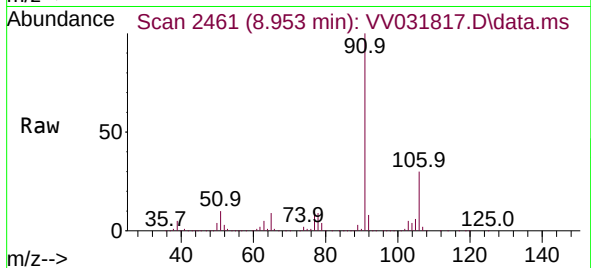
VSTD050399

Tgt Ion: 91 Resp: 795202

Ion Ratio Lower Upper

91 100

106 30.5 21.5 39.9



#53

m,p-Xylene

Concen: 53.853 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.000 min

Lab File: VV031817.D

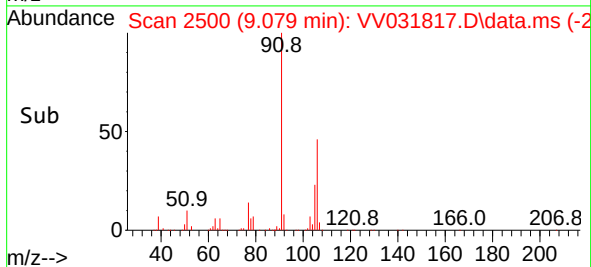
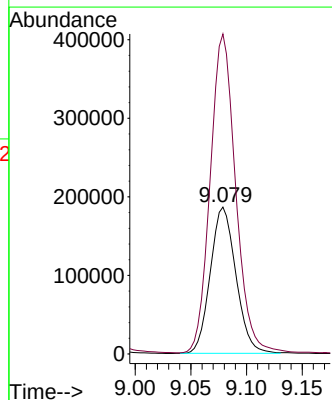
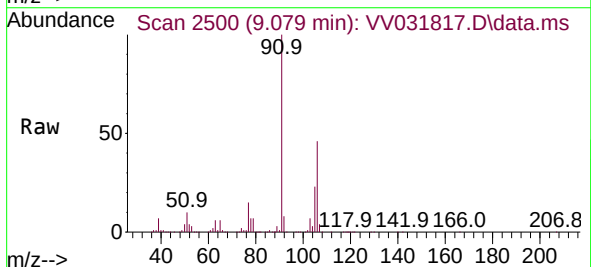
Acq: 15 Aug 2023 18:17

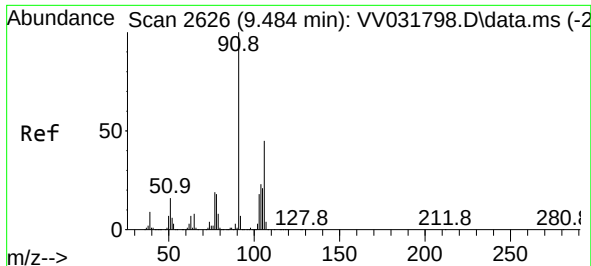
Tgt Ion: 106 Resp: 297923

Ion Ratio Lower Upper

106 100

91 217.8 145.6 270.4

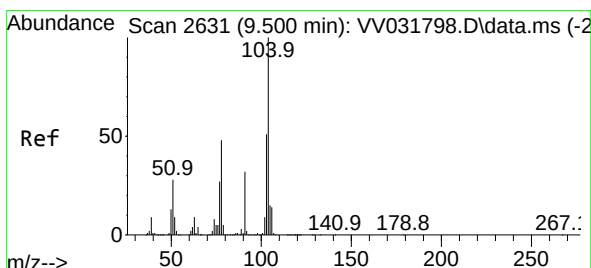
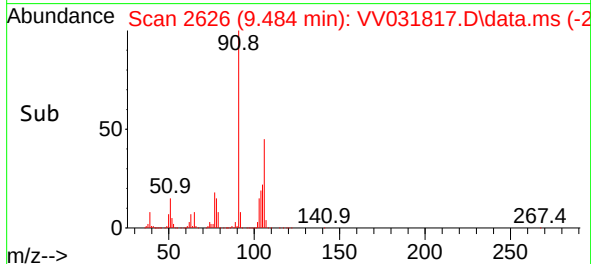
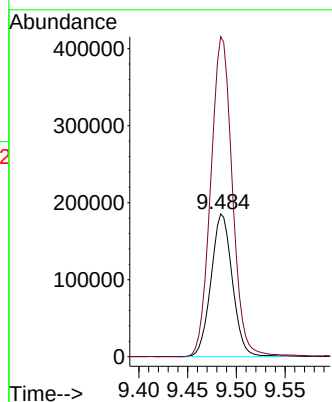
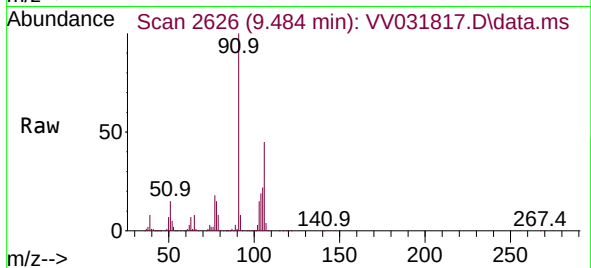




#54
o-Xylene
Concen: 53.291 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

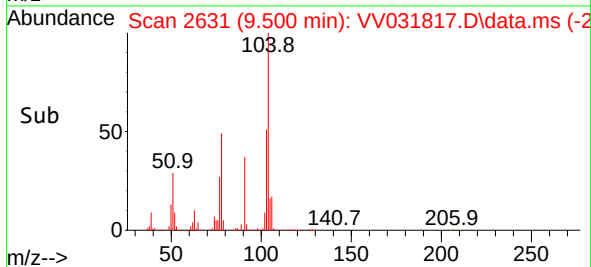
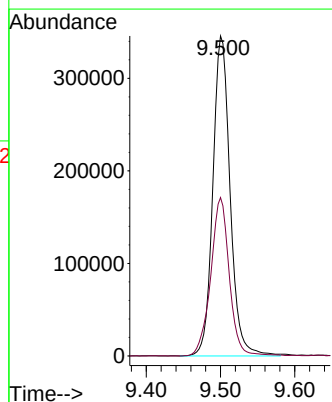
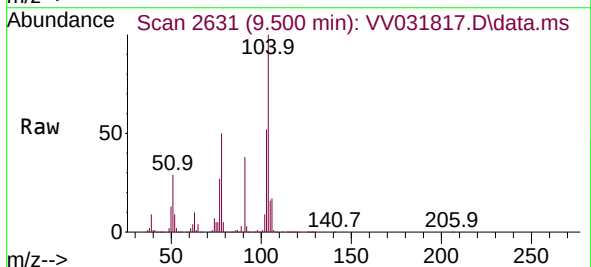
Instrument :
MSVOA_V
ClientSampleId :
VSTD050399

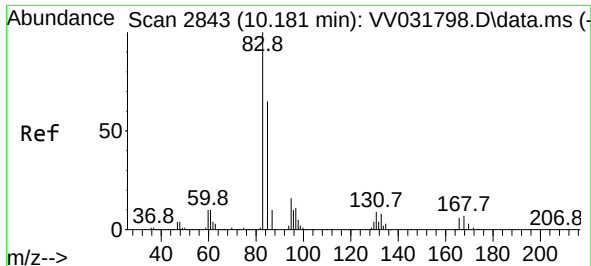
Tgt Ion:106 Resp: 282557
Ion Ratio Lower Upper
106 100
91 224.3 163.0 302.6



#55
Styrene
Concen: 57.651 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

Tgt Ion:104 Resp: 558384
Ion Ratio Lower Upper
104 100
78 49.5 34.4 64.0

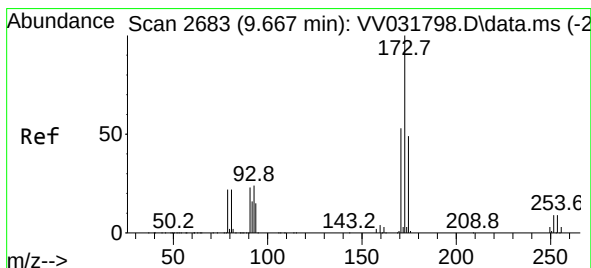
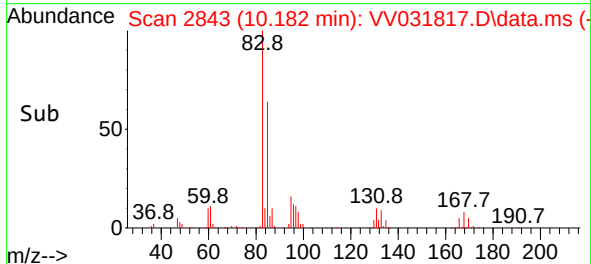
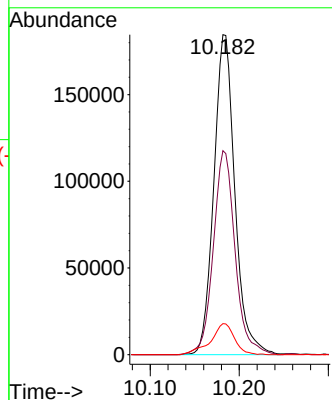
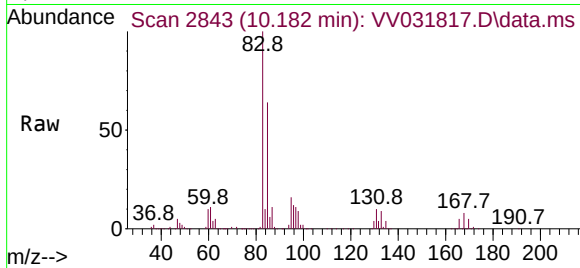




#57
1,1,2,2-Tetrachloroethane
Concen: 52.912 ug/L
RT: 10.182 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

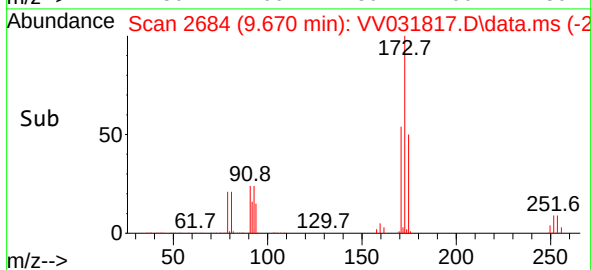
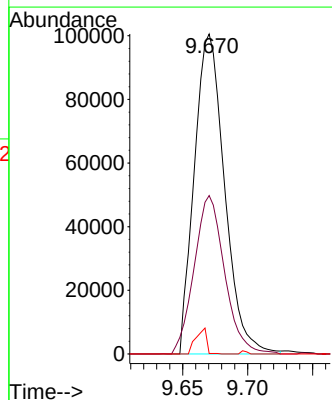
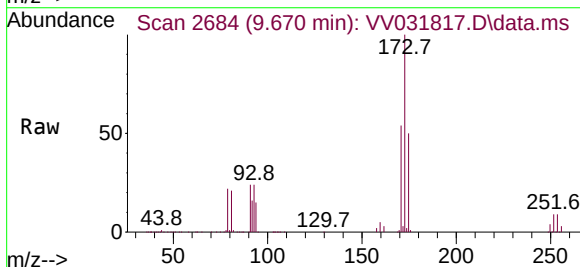
Instrument :
MSVOA_V
ClientSampleId :
VSTD050399

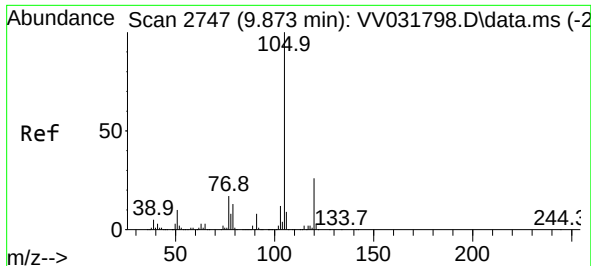
Tgt Ion: 83 Resp: 303137
Ion Ratio Lower Upper
83 100
85 63.8 43.4 80.6
131 13.4 10.9 16.3



#59
Bromoform
Concen: 47.646 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.003 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

Tgt Ion: 173 Resp: 162941
Ion Ratio Lower Upper
173 100
175 49.8 38.6 58.0
254 0.0 6.9 10.3

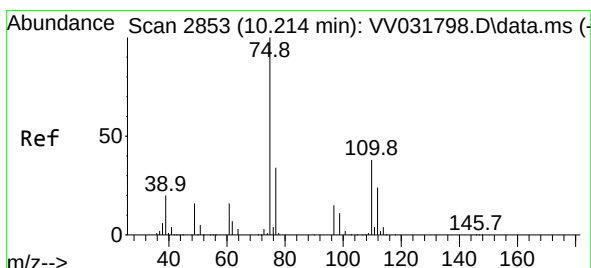
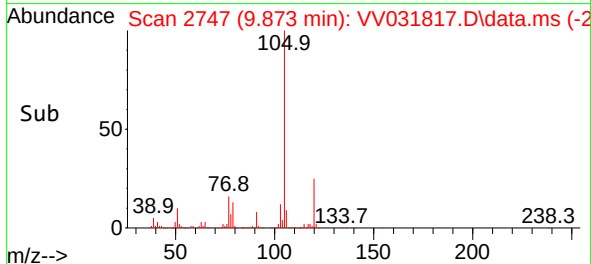
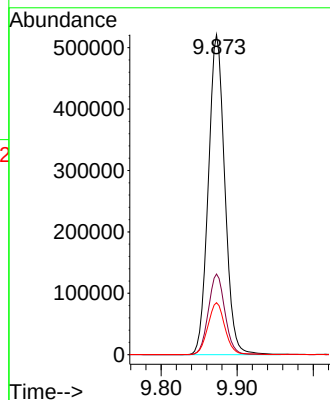
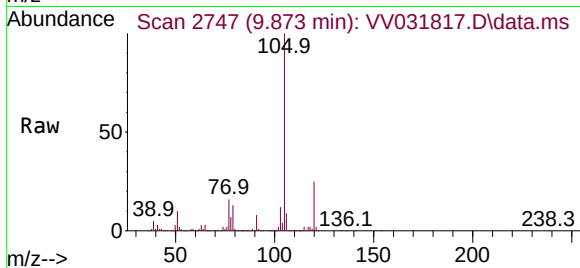




#60
Isopropylbenzene
Concen: 50.302 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

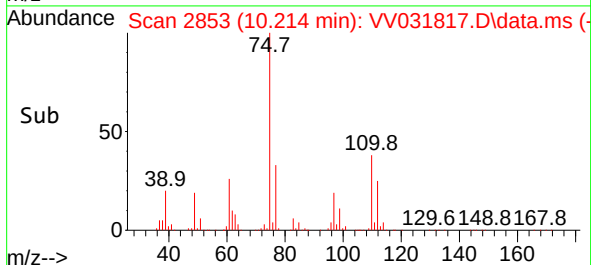
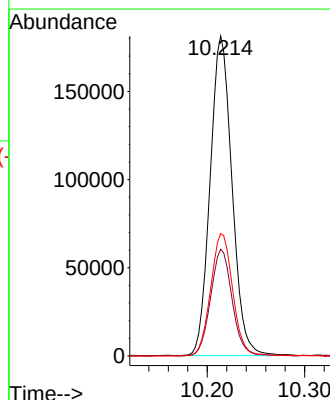
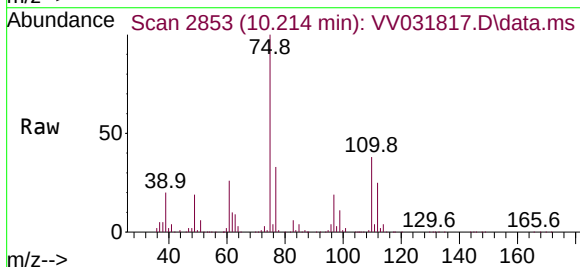
Instrument :
MSVOA_V
ClientSampleId :
VSTD050399

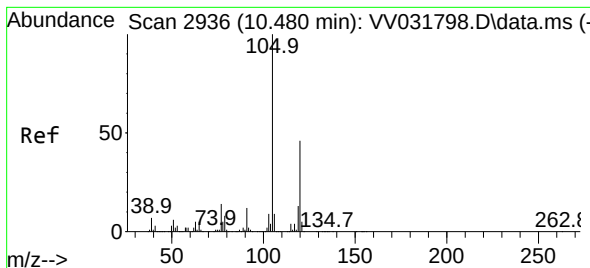
Tgt Ion:105 Resp: 783005
Ion Ratio Lower Upper
105 100
120 25.4 20.6 30.8
77 16.7 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 48.415 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

Tgt Ion: 75 Resp: 283248
Ion Ratio Lower Upper
75 100
77 32.3 25.1 37.7
110 38.7 31.4 47.0





#62

1,3,5-Trimethylbenzene

Concen: 48.707 ug/L

RT: 10.484 min Scan# 2936

Delta R.T. 0.003 min

Lab File: VV031817.D

Acq: 15 Aug 2023 18:17

Instrument :

MSVOA_V

ClientSampleId :

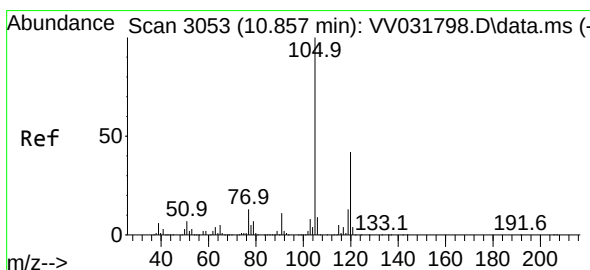
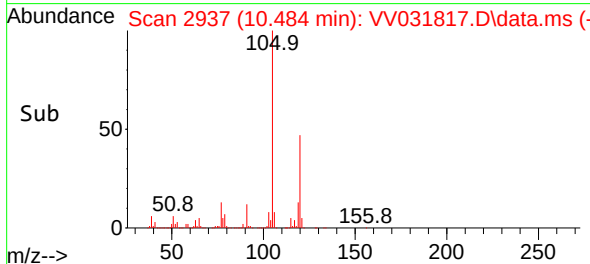
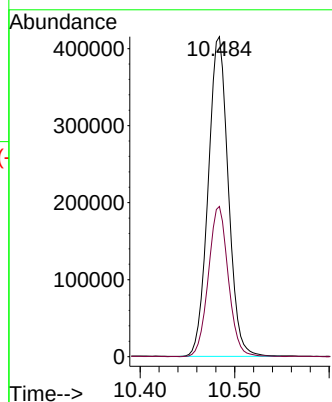
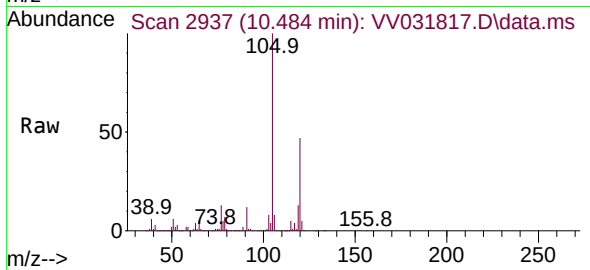
VSTD050399

Tgt Ion:105 Resp: 613459

Ion Ratio Lower Upper

105 100

120 46.6 37.4 56.0



#63

1,2,4-Trimethylbenzene

Concen: 50.194 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VV031817.D

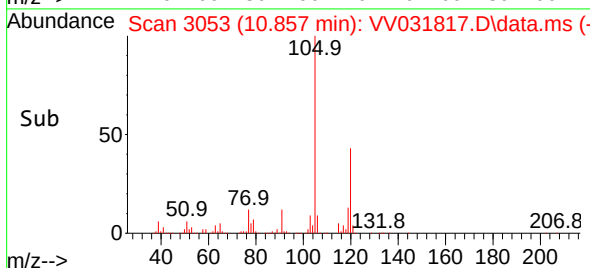
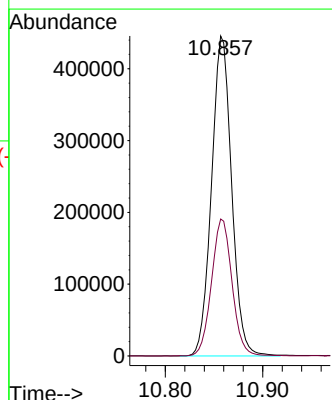
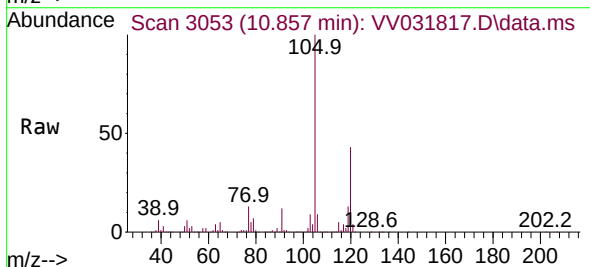
Acq: 15 Aug 2023 18:17

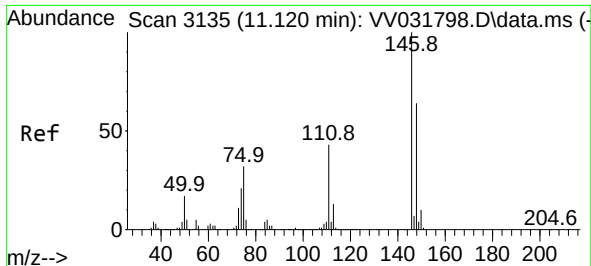
Tgt Ion:105 Resp: 639970

Ion Ratio Lower Upper

105 100

120 43.6 34.7 52.1

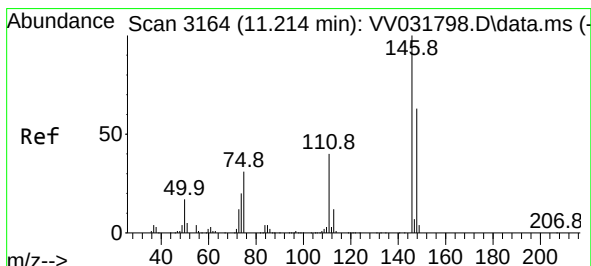
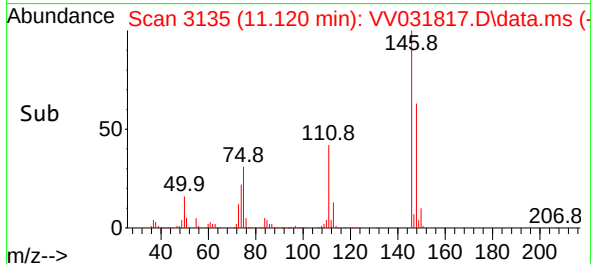
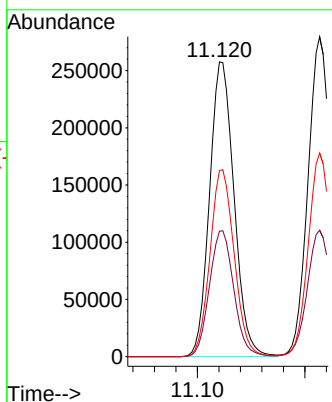
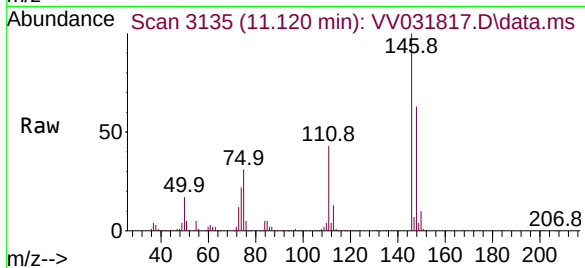




#64
1,3-Dichlorobenzene
Concen: 50.133 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

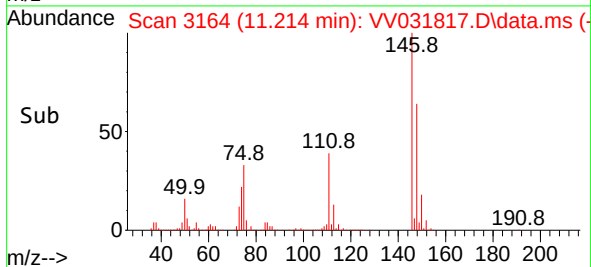
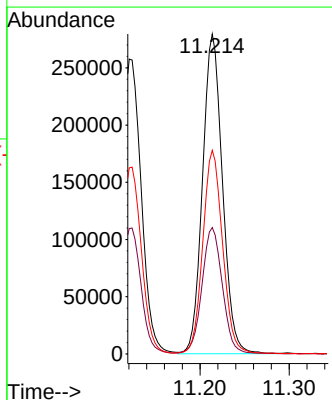
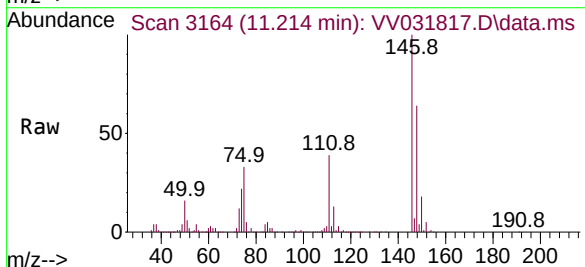
Instrument :
MSVOA_V
ClientSampleId :
VSTD050399

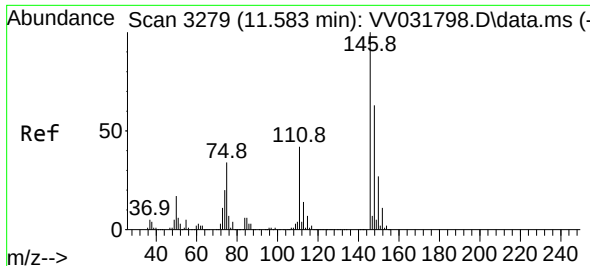
Tgt Ion:146 Resp: 407934
Ion Ratio Lower Upper
146 100
111 42.5 28.3 52.5
148 63.1 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 50.116 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VV031817.D
Acq: 15 Aug 2023 18:17

Tgt Ion:146 Resp: 433499
Ion Ratio Lower Upper
146 100
111 39.5 28.3 52.7
148 63.7 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 50.332 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031817.D

Acq: 15 Aug 2023 18:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD050399

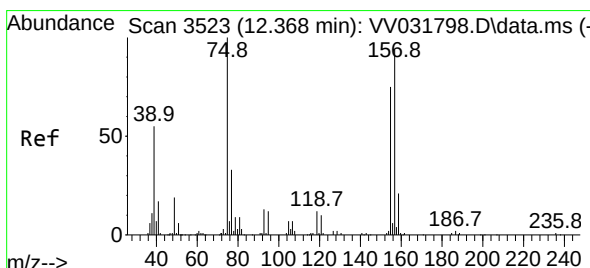
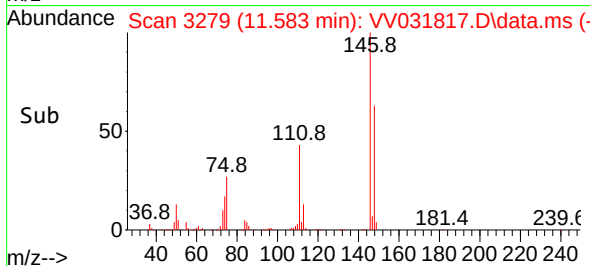
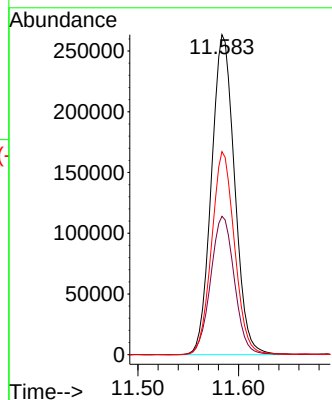
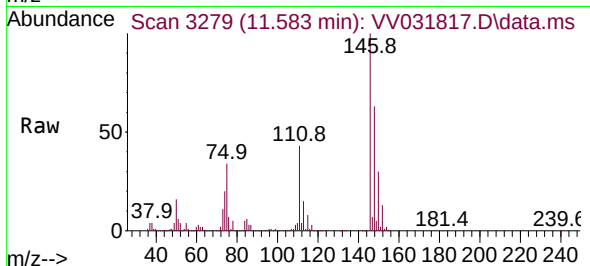
Tgt Ion:146 Resp: 421688

Ion Ratio Lower Upper

146 100

111 43.3 34.8 52.2

148 63.5 49.8 74.6



#68

1,2-Dibromo-3-chloropropane

Concen: 46.313 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.003 min

Lab File: VV031817.D

Acq: 15 Aug 2023 18:17

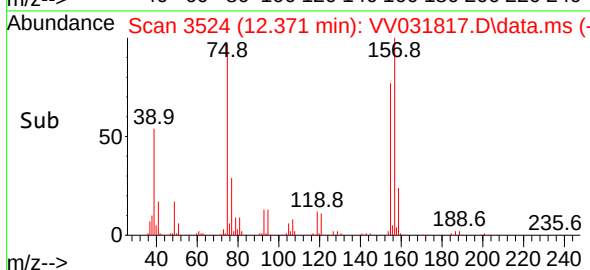
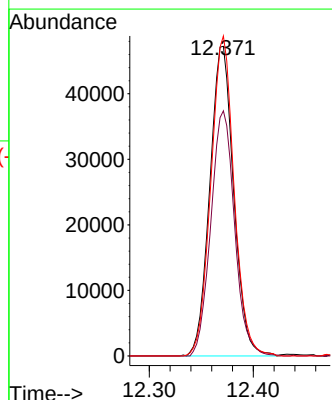
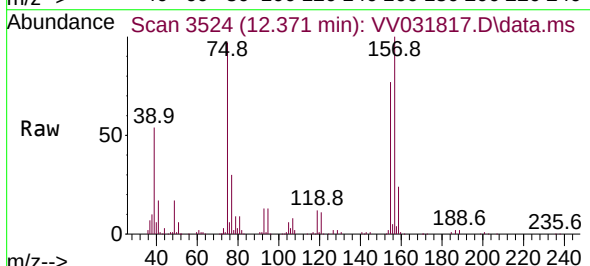
Tgt Ion: 75 Resp: 75360

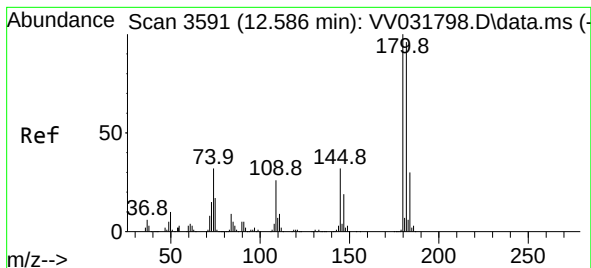
Ion Ratio Lower Upper

75 100

155 79.2 59.9 89.9

157 107.3 77.6 116.4





#69

1,3,5-Trichlorobenzene

Concen: 46.631 ug/L

RT: 12.587 min Scan# 3591

Delta R.T. 0.000 min

Lab File: VV031817.D

Acq: 15 Aug 2023 18:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD050399

Tgt Ion:180 Resp: 276741

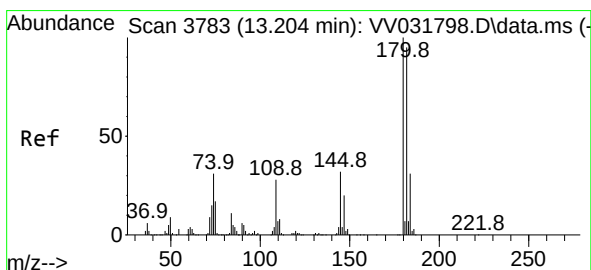
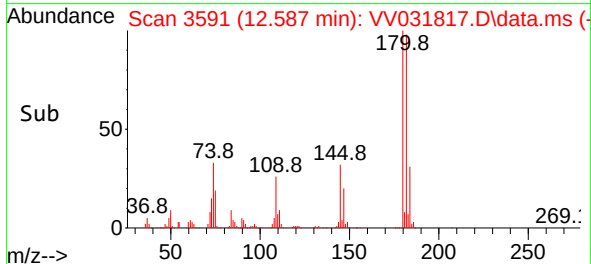
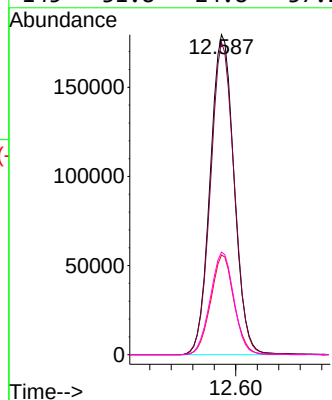
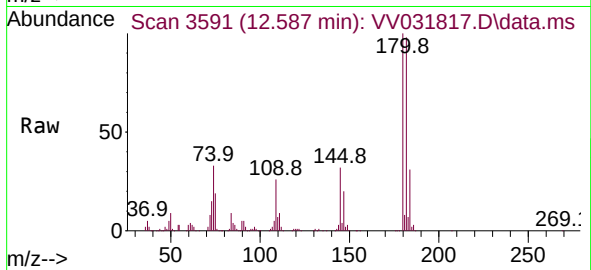
Ion Ratio Lower Upper

180 100

182 96.9 75.5 113.3

184 30.5 23.7 35.5

145 31.8 24.8 37.2



#70

1,2,4-trichlorobenzene

Concen: 44.796 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031817.D

Acq: 15 Aug 2023 18:17

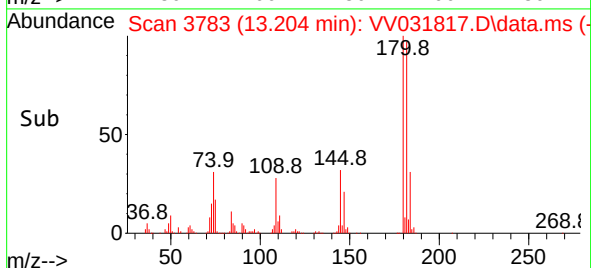
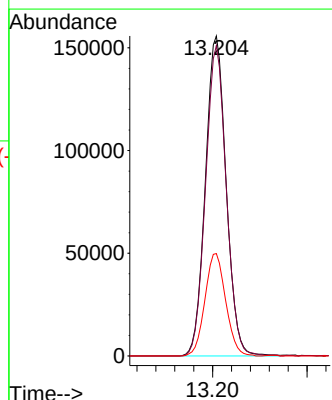
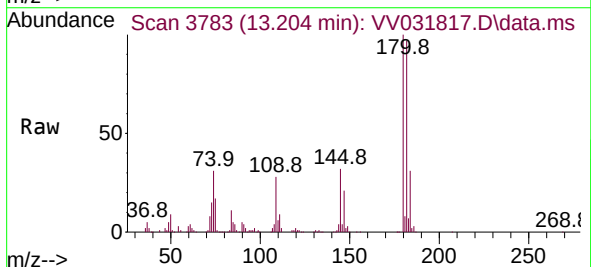
Tgt Ion:180 Resp: 237840

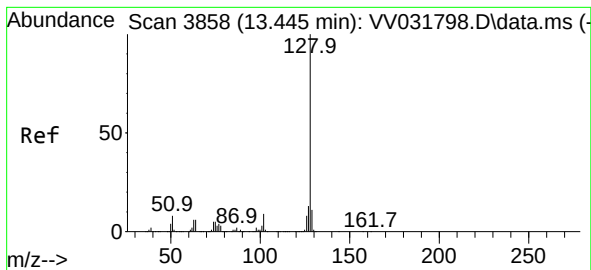
Ion Ratio Lower Upper

180 100

182 96.4 76.6 114.8

145 31.9 25.4 38.2





#71

Naphthalene

Concen: 47.250 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031817.D

Acq: 15 Aug 2023 18:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD050399

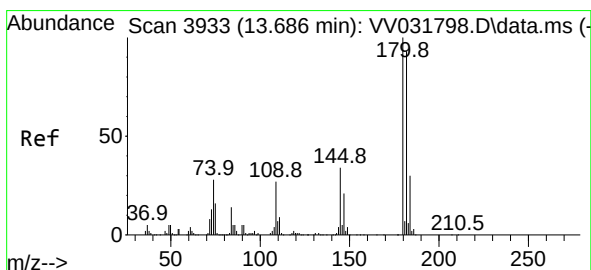
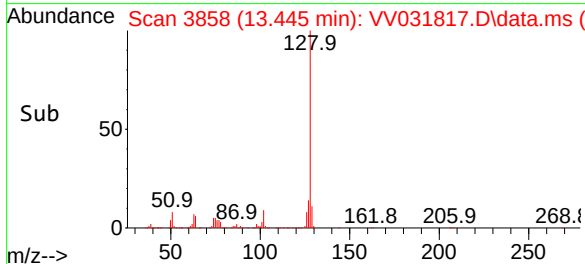
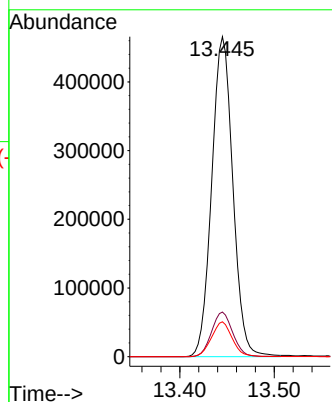
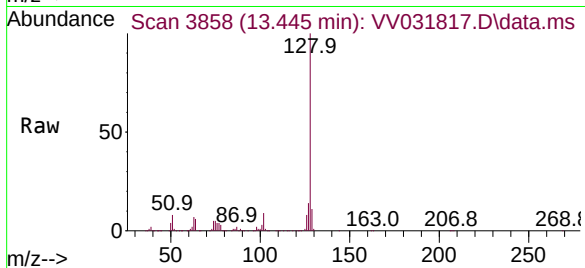
Tgt Ion:128 Resp: 723147

Ion Ratio Lower Upper

128 100

127 14.0 11.0 16.4

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 49.417 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031817.D

Acq: 15 Aug 2023 18:17

Tgt Ion:180 Resp: 274266

Ion Ratio Lower Upper

180 100

182 94.6 76.7 115.1

145 33.2 27.7 41.5

