

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060823\
 Data File : VW031459.D
 Acq On : 08 Jun 2023 19:25
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050363

Quant Time: Jun 09 05:13:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 09 05:07:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	253815	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	255107	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	151599	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	79851	35.757	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	71.520%		
7) Chloroethane-d5	1.532	69	72935	40.341	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	80.680%		
11) 1,1-Dichloroethene-d2	2.063	65	41727	39.425	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	78.860%		
21) 2-Butanone-d5	3.796	46	153991	95.416	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	95.420%		
24) Chloroform-d	4.256	84	198577	46.748	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.500%		
26) 1,2-Dichloroethane-d4	4.947	65	130319	45.731	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.460%		
32) Benzene-d6	4.966	84	334993	44.477	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.960%		
36) 1,2-Dichloropropane-d6	5.995	67	119884	45.792	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.580%		
41) Toluene-d8	7.249	98	316780	45.785	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.580%		
43) trans-1,3-Dichloroprop...	7.558	79	57899	43.905	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.800%		
47) 2-Hexanone-d5	8.030	63	93935	95.266	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.270%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	160069	48.449	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.900%		
66) 1,2-Dichlorobenzene-d4	11.567	152	127673	45.399	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.800%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	51170	50.273	ug/L	97
3) Chloromethane	1.217	50	39956	48.373	ug/L	99
5) Vinyl chloride	1.285	62	49530	50.260	ug/L	98
6) Bromomethane	1.487	94	30000	50.649	ug/L	97
8) Chloroethane	1.548	64	41488	52.252	ug/L	95
9) Trichlorofluoromethane	1.715	101	126271	53.084	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	78951	51.324	ug/L	97
12) 1,1-Dichloroethene	2.072	96	51731	51.089	ug/L	87
13) Acetone	2.124	43	110574	76.587	ug/L	98
14) Carbon disulfide	2.243	76	38712	44.695	ug/L	99
15) Methyl Acetate	2.378	43	116428	53.403	ug/L	98
16) Methylene chloride	2.452	84	78939	51.646	ug/L	97
17) trans-1,2-Dichloroethene	2.699	96	49605	51.671	ug/L	96
18) Methyl tert-butyl Ether	2.709	73	308645	52.304	ug/L	100
19) 1,1-Dichloroethane	3.114	63	176127	53.037	ug/L	97
20) cis-1,2-Dichloroethene	3.821	96	81587	52.272	ug/L	95
22) 2-Butanone	3.876	43	168816	95.136	ug/L	99
23) Bromochloromethane	4.153	128	44127	53.763	ug/L	93
25) Chloroform	4.284	83	200347	54.103	ug/L	96

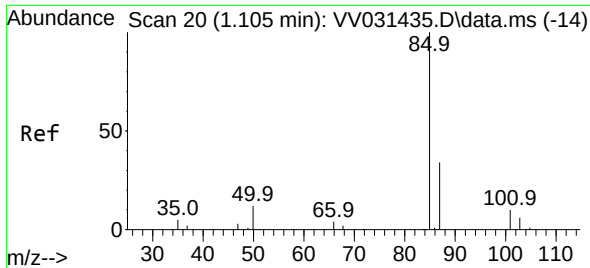
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 QLast Update : Fri Jun 09 05:07:24 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	151694	56.101	ug/L	99
29) Cyclohexane	4.590	56	65581	47.999	ug/L	96
30) 1,1,1-Trichloroethane	4.516	97	161707	53.701	ug/L	98
31) Carbon tetrachloride	4.741	117	133475	53.358	ug/L	99
33) Benzene	5.018	78	308334	54.777	ug/L	100
34) Trichloroethene	5.837	95	94362	53.209	ug/L	99
35) Methylcyclohexane	6.056	83	75793	49.971	ug/L	96
37) 1,2-Dichloropropane	6.098	63	115509	57.011	ug/L	100
38) Bromodichloromethane	6.439	83	159197	53.685	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	156118	51.575	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	368348	111.917	ug/L	100
42) Toluene	7.320	91	354066	56.197	ug/L	97
44) trans-1,3-Dichloropropene	7.587	75	163414	53.225	ug/L	100
45) 1,1,2-Trichloroethane	7.773	97	115785	55.288	ug/L	99
46) Tetrachloroethene	7.911	164	60447	52.504	ug/L	98
48) 2-Hexanone	8.082	43	285470	110.809	ug/L	98
49) Dibromochloromethane	8.181	129	122743	53.729	ug/L	98
50) 1,2-Dibromoethane	8.288	107	109835	54.478	ug/L	98
51) Chlorobenzene	8.818	112	253282	52.870	ug/L	97
52) Ethylbenzene	8.953	91	419347	53.480	ug/L	100
53) m,p-Xylene	9.078	106	152362	53.920	ug/L	98
54) o-Xylene	9.484	106	152665	53.557	ug/L	98
55) Styrene	9.500	104	301633	58.041	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	169578	52.824	ug/L	98
59) Bromoform	9.670	173	101157	52.076	ug/L	100
60) Isopropylbenzene	9.873	105	457209	52.779	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	160627	52.340	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	376669	52.650	ug/L	100
63) 1,2,4-Trimethylbenzene	10.857	105	383778	53.592	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	228977	51.640	ug/L	99
65) 1,4-Dichlorobenzene	11.213	146	240290	51.235	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	233567	51.385	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	42092	51.746	ug/L	97
69) 1,3,5-Trichlorobenzene	12.590	180	169094	49.533	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	143645	49.323	ug/L	99
71) Naphthalene	13.445	128	356477	44.659	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	148539	50.884	ug/L	99

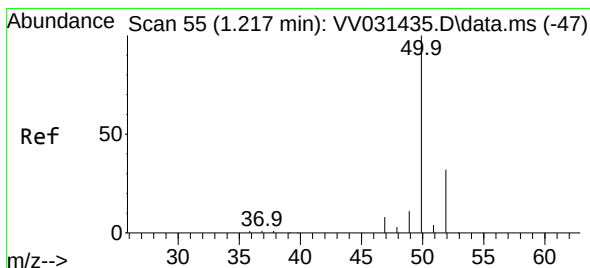
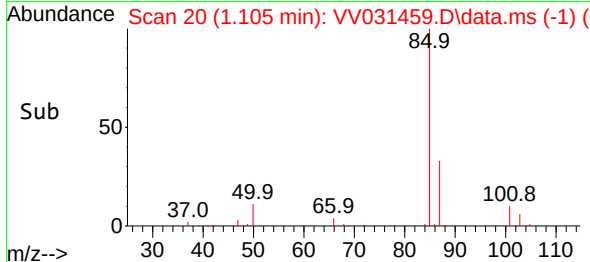
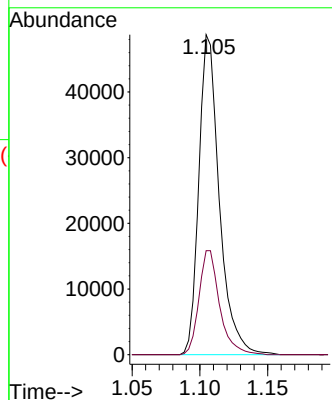
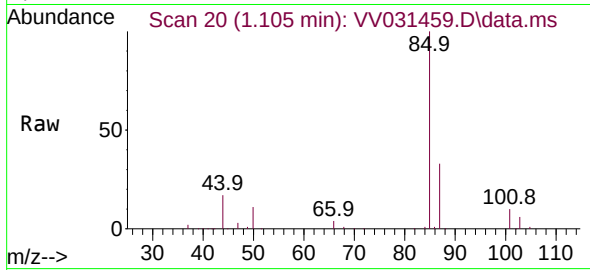
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#2
 Dichlorodifluoromethane
 Concen: 50.273 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV031459.D
 Acq: 08 Jun 2023 19:25

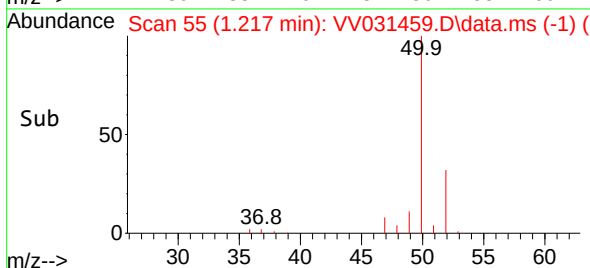
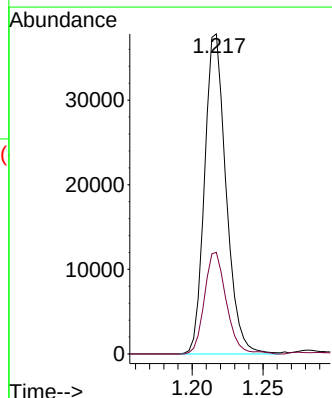
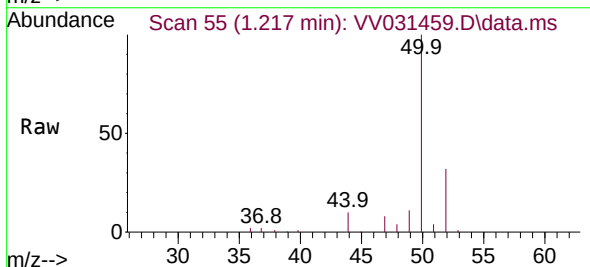
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050363

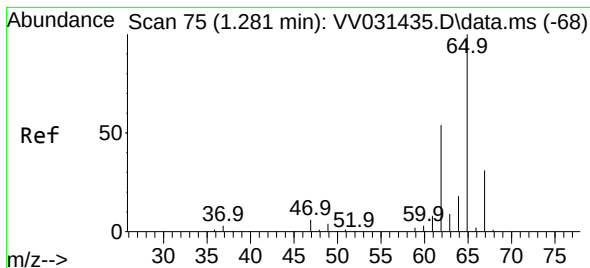
Tgt Ion: 85 Resp: 51170
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.0 37.6



#3
 Chloromethane
 Concen: 48.373 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031459.D
 Acq: 08 Jun 2023 19:25

Tgt Ion: 50 Resp: 39956
 Ion Ratio Lower Upper
 50 100
 52 31.7 21.9 40.7





#5

Vinyl chloride

Concen: 50.260 ug/L

RT: 1.285 min Scan# 75

Delta R.T. 0.003 min

Lab File: VV031459.D

Acq: 08 Jun 2023 19:25

Instrument :

MSVOA_V

ClientSampleId :

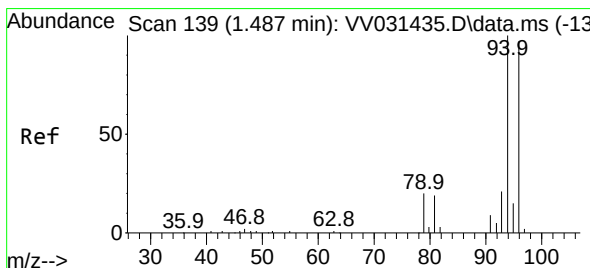
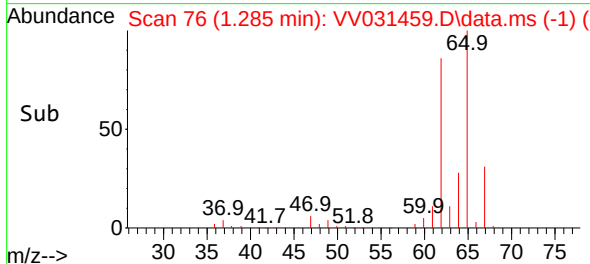
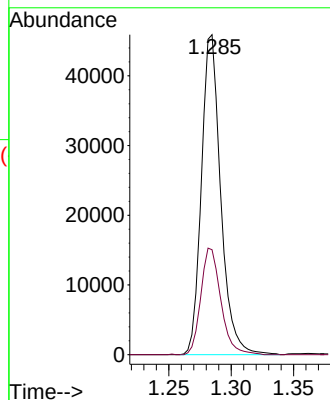
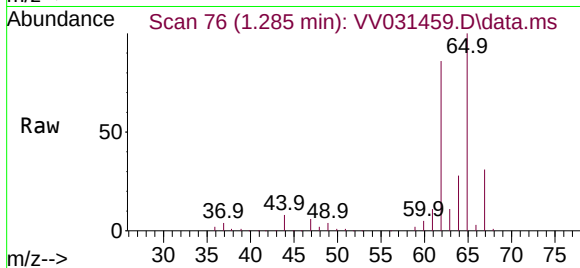
VSTD050363

Tgt Ion: 62 Resp: 49530

Ion Ratio Lower Upper

62 100

64 32.8 23.7 43.9



#6

Bromomethane

Concen: 50.649 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.000 min

Lab File: VV031459.D

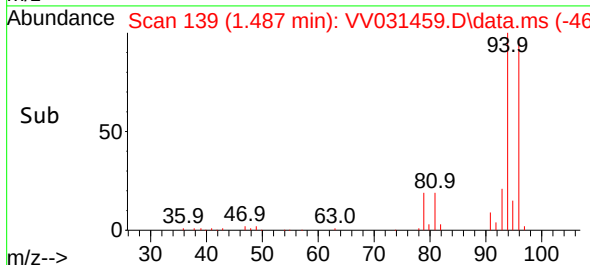
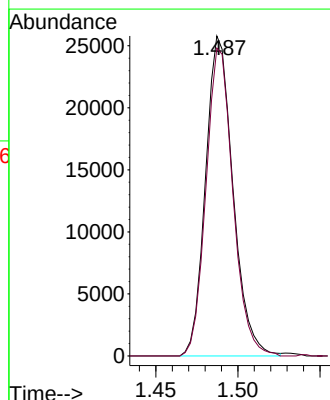
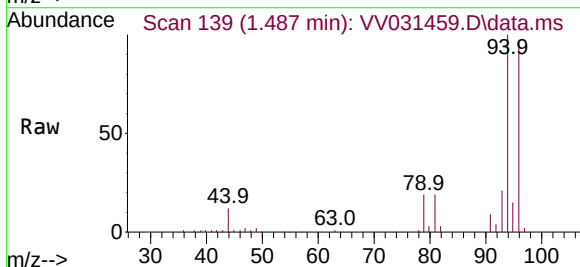
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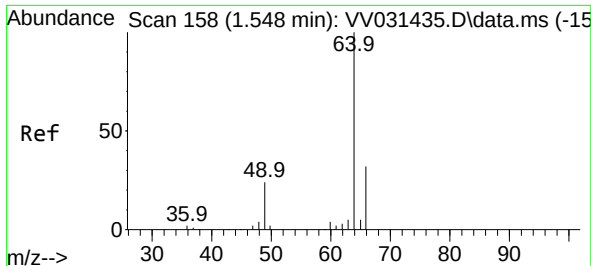
Tgt Ion: 94 Resp: 30000

Ion Ratio Lower Upper

94 100

96 96.2 65.4 121.4

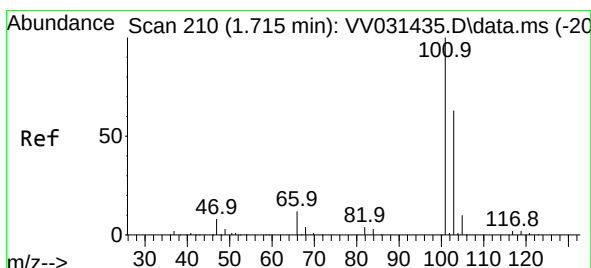
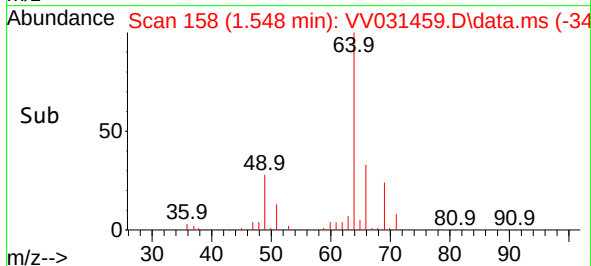
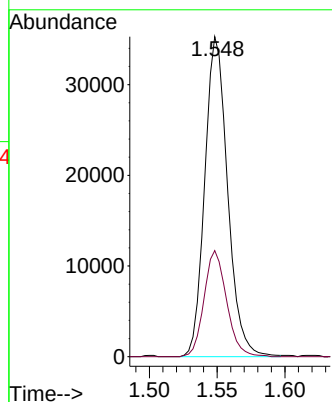
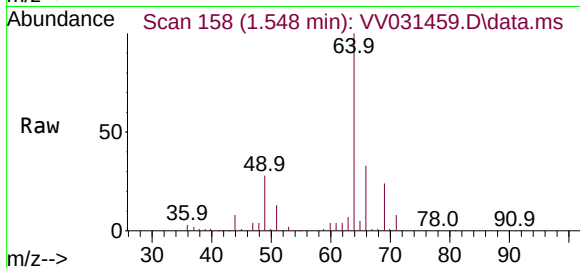




#8
Chloroethane
Concen: 52.252 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

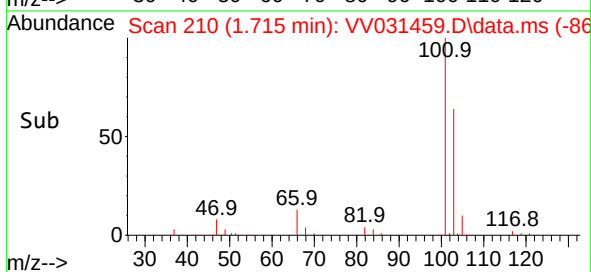
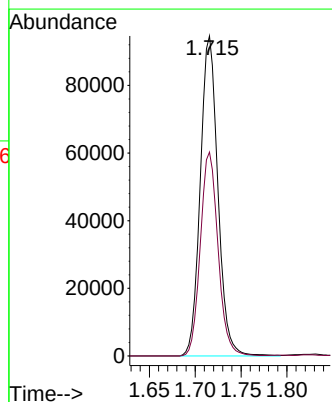
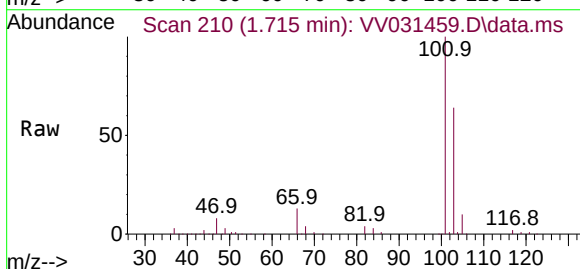
Instrument :
MSVOA_V
ClientSampleId :
VSTD050363

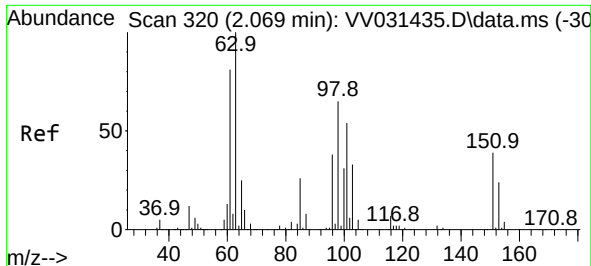
Tgt Ion: 64 Resp: 41488
Ion Ratio Lower Upper
64 100
66 33.1 21.4 39.8



#9
Trichlorofluoromethane
Concen: 53.084 ug/L
RT: 1.715 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

Tgt Ion:101 Resp: 126271
Ion Ratio Lower Upper
101 100
103 64.1 51.8 77.6





#10

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

Concen: 51.324 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV031459.D

Acq: 08 Jun 2023 19:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050363

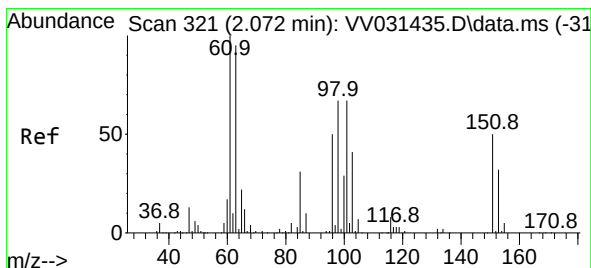
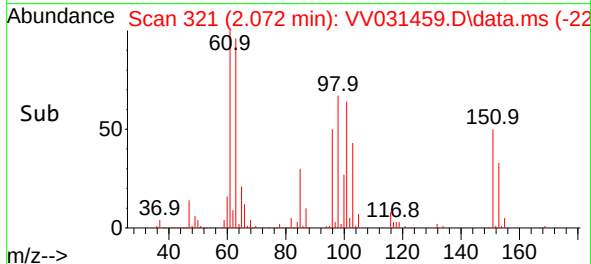
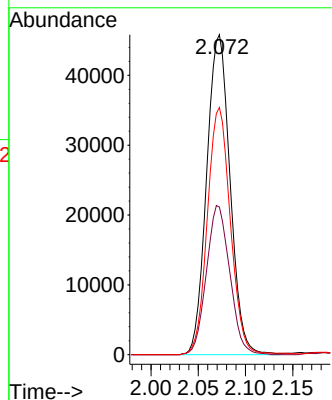
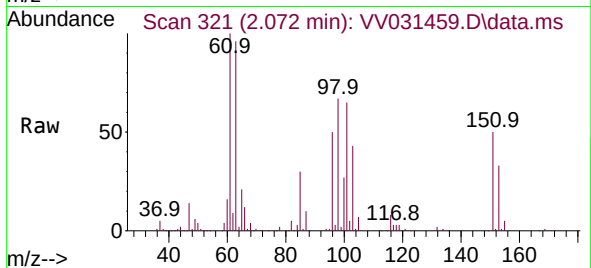
Tgt Ion:101 Resp: 78951

Ion Ratio Lower Upper

101 100

85 46.5 37.3 55.9

151 75.6 57.8 86.6



#12

1,1-Dichloroethene

Concen: 51.089 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV031459.D

Acq: 08 Jun 2023 19:25

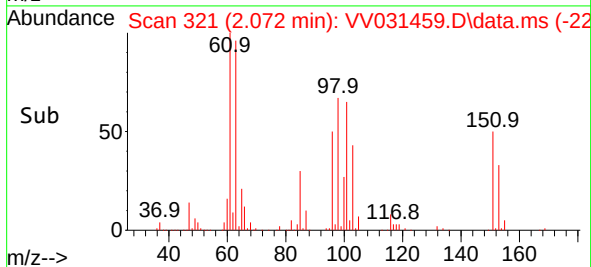
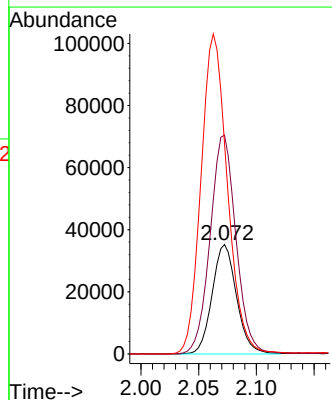
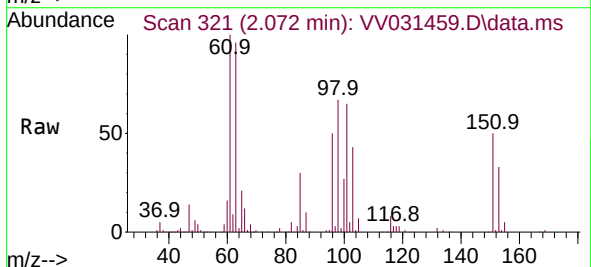
Tgt Ion: 96 Resp: 51731

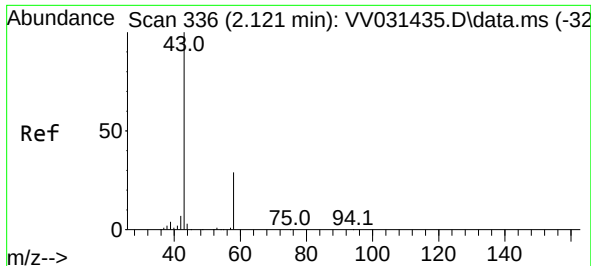
Ion Ratio Lower Upper

96 100

61 199.9 143.9 267.3

63 192.4 158.3 293.9





#13

Acetone

Concen: 76.587 ug/L

RT: 2.124 min Scan# 311

Delta R.T. 0.003 min

Lab File: VV031459.D

Acq: 08 Jun 2023 19:25

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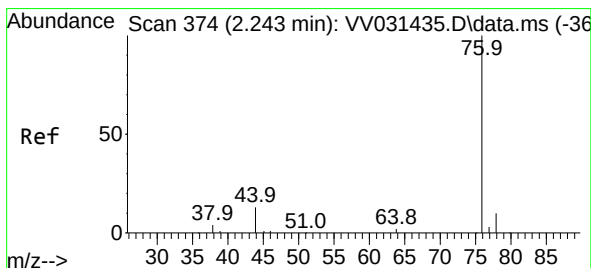
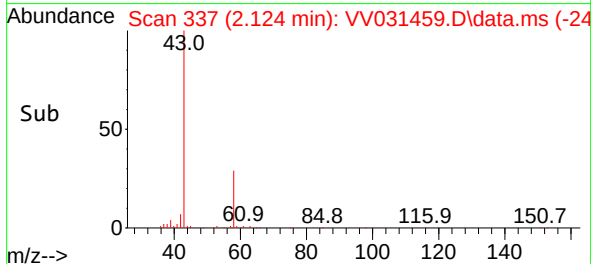
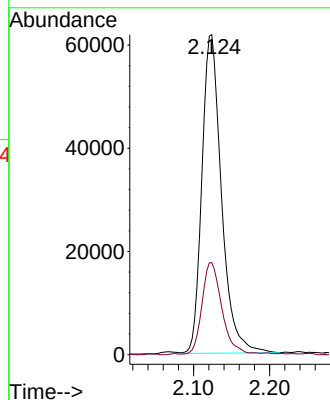
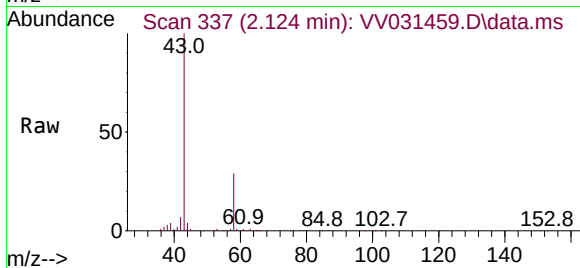
VSTD050363

Tgt Ion: 43 Resp: 110574

Ion Ratio Lower Upper

43 100

58 29.3 0.0 61.0



#14

Carbon disulfide

Concen: 44.695 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV031459.D

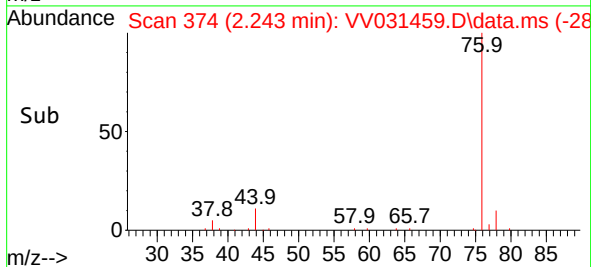
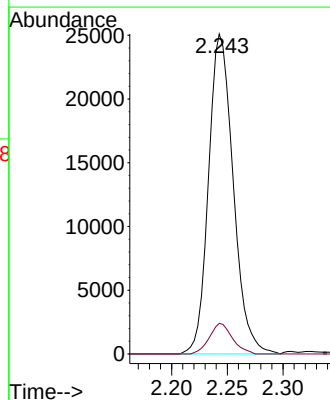
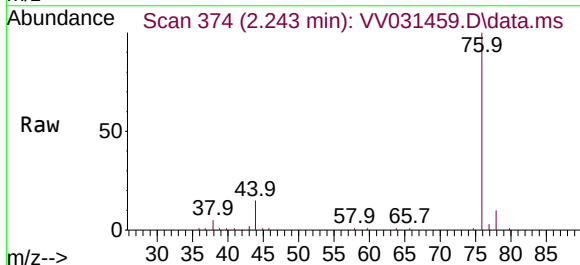
Acq: 08 Jun 2023 19:25

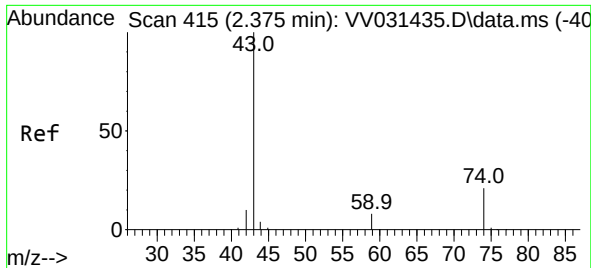
Tgt Ion: 76 Resp: 38712

Ion Ratio Lower Upper

76 100

78 9.5 7.9 11.9

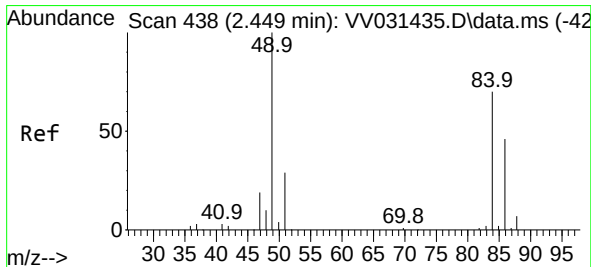
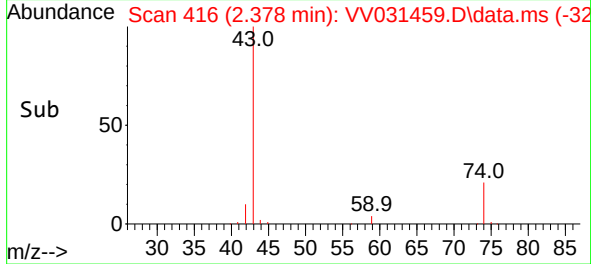
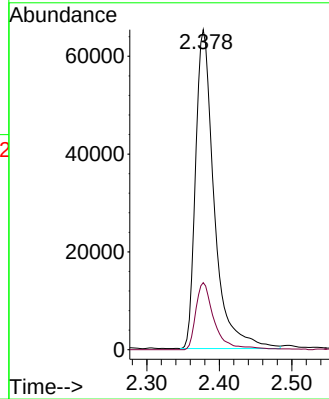
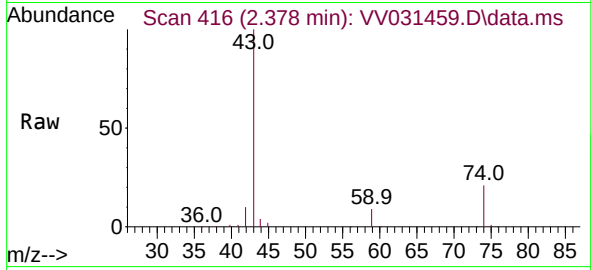




#15
Methyl Acetate
Concen: 53.403 ug/L
RT: 2.378 min Scan# 415
Delta R.T. 0.003 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

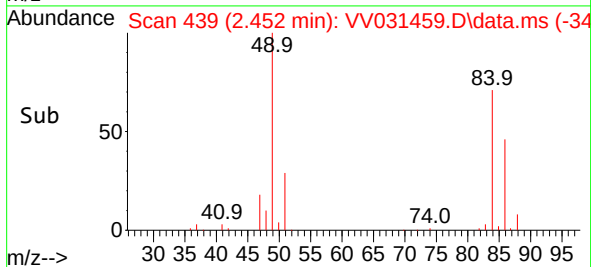
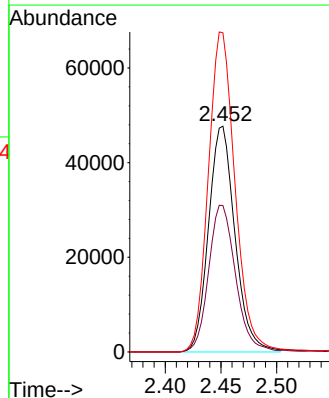
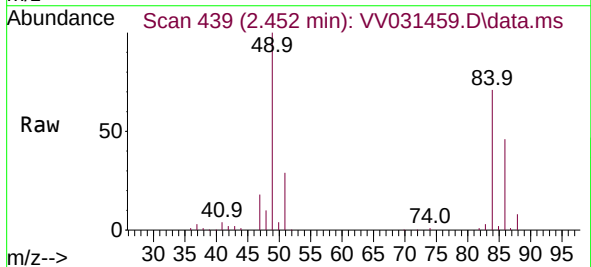
Instrument :
MSVOA_V
ClientSampleId :
VSTD050363

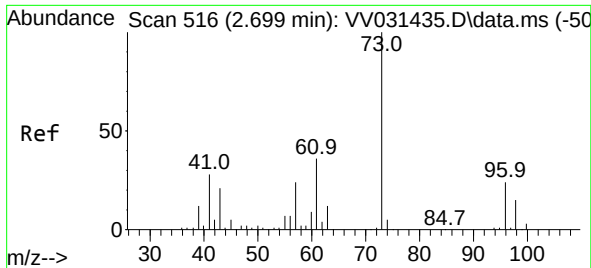
Tgt Ion: 43 Resp: 116428
Ion Ratio Lower Upper
43 100
74 20.8 16.0 24.0



#16
Methylene chloride
Concen: 51.646 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.003 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

Tgt Ion: 84 Resp: 78939
Ion Ratio Lower Upper
84 100
86 64.8 46.1 85.5
49 141.4 102.7 190.7

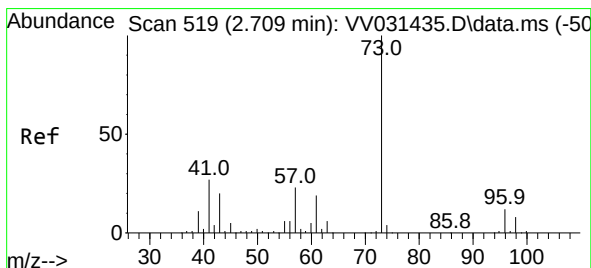
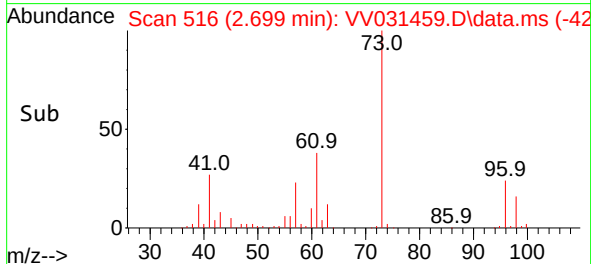
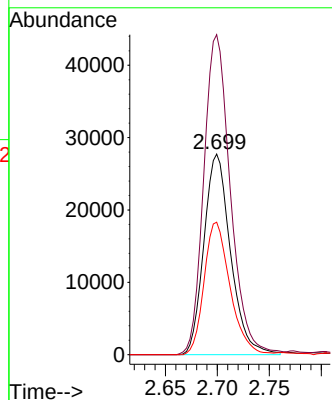
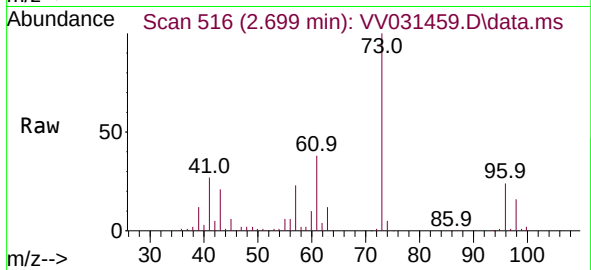




#17
trans-1,2-Dichloroethene
Concen: 51.671 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

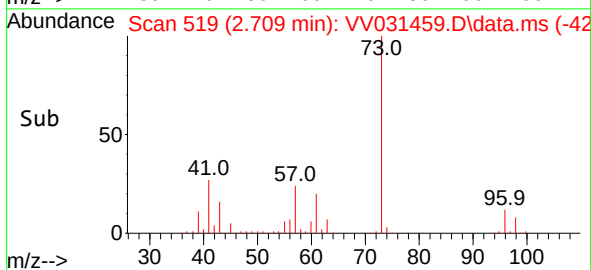
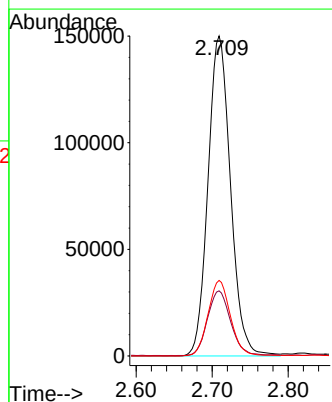
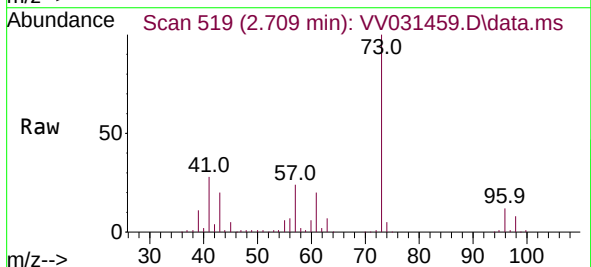
Instrument :
MSVOA_V
ClientSampleId :
VSTD050363

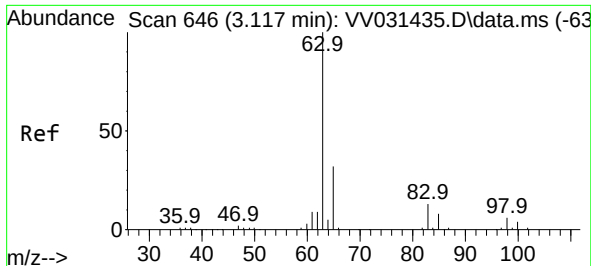
Tgt Ion: 96 Resp: 49605
Ion Ratio Lower Upper
96 100
61 159.5 106.9 198.5
98 66.0 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 52.304 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.000 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

Tgt Ion: 73 Resp: 308645
Ion Ratio Lower Upper
73 100
43 20.7 16.6 25.0
57 23.4 18.6 28.0





#19

1,1-Dichloroethane

Concen: 53.037 ug/L

RT: 3.114 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV031459.D

Acq: 08 Jun 2023 19:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050363

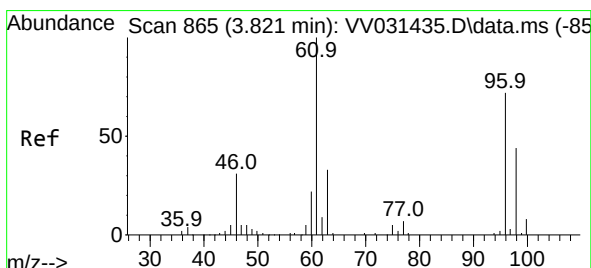
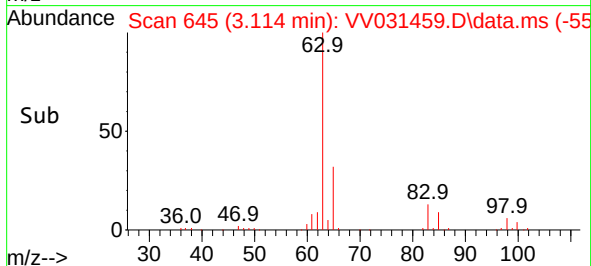
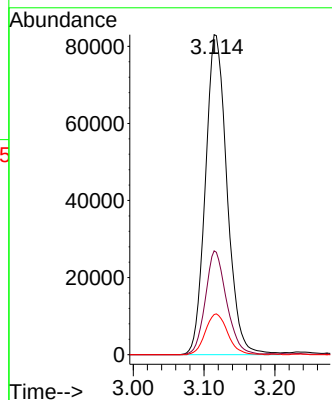
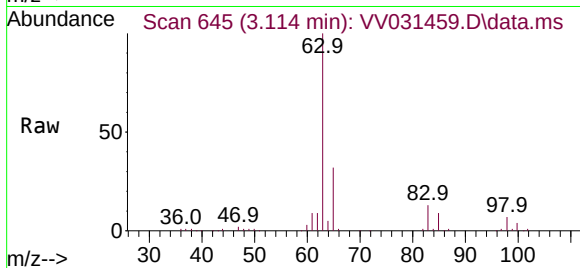
Tgt Ion: 63 Resp: 176127

Ion Ratio Lower Upper

63 100

65 32.5 21.4 39.8

83 12.6 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 52.272 ug/L

RT: 3.821 min Scan# 865

Delta R.T. 0.000 min

Lab File: VV031459.D

Acq: 08 Jun 2023 19:25

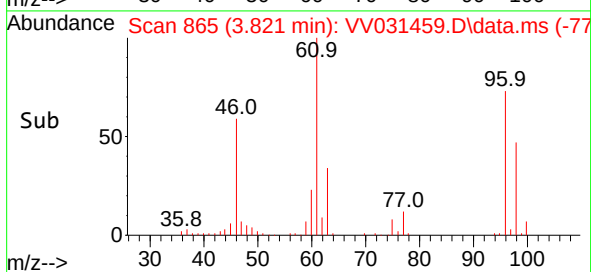
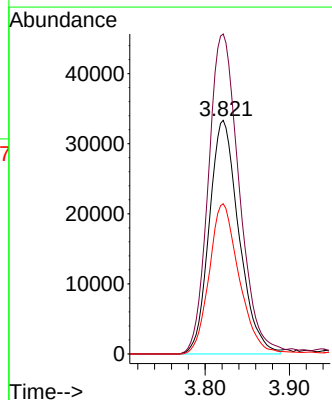
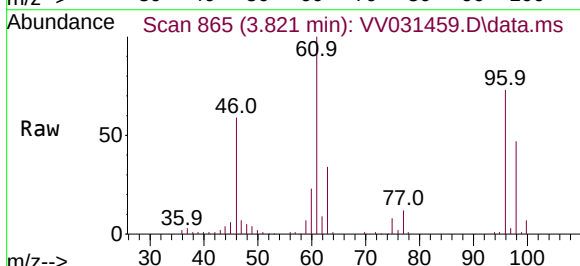
Tgt Ion: 96 Resp: 81587

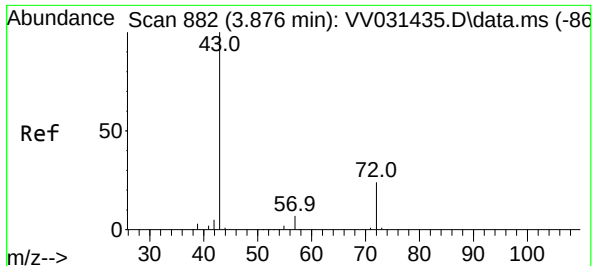
Ion Ratio Lower Upper

96 100

61 137.0 101.6 188.6

98 64.3 44.4 82.4

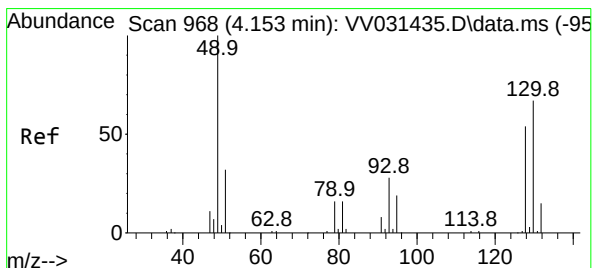
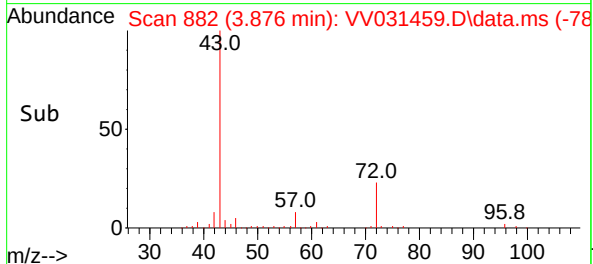
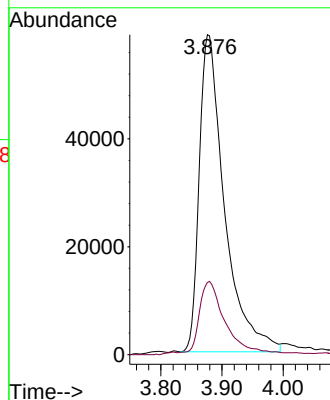
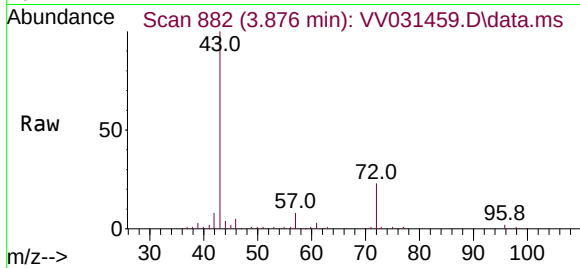




#22
2-Butanone
Concen: 95.136 ug/L
RT: 3.876 min Scan# 882
Delta R.T. 0.000 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

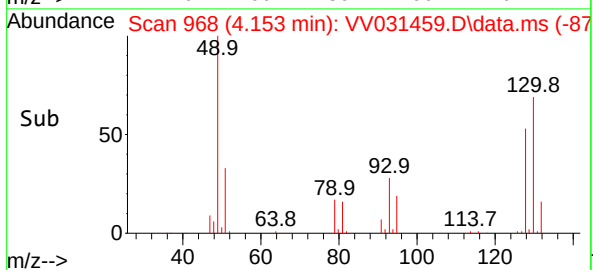
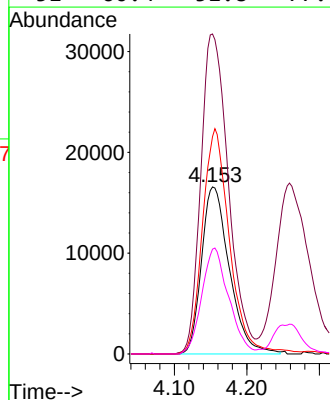
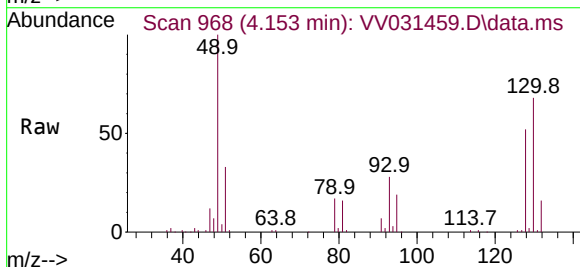
Instrument :
MSVOA_V
ClientSampleId :
VSTD050363

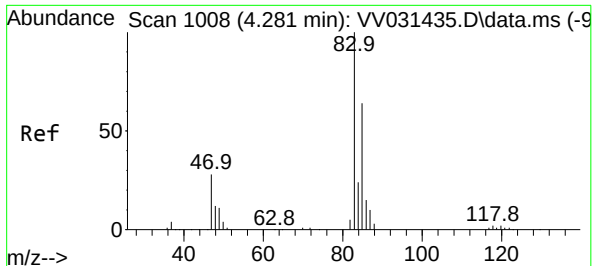
Tgt Ion: 43 Resp: 168816
Ion Ratio Lower Upper
43 100
72 21.5 10.4 31.4



#23
Bromochloromethane
Concen: 53.763 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.000 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

Tgt Ion: 128 Resp: 44127
Ion Ratio Lower Upper
128 100
49 184.6 138.2 256.6
130 125.3 91.4 169.8
51 60.4 51.8 77.6





#25

Chloroform

Concen: 54.103 ug/L

RT: 4.284 min Scan# 1008

Delta R.T. 0.003 min

Lab File: VV031459.D

Acq: 08 Jun 2023 19:25

Instrument :

MSVOA_V

ClientSampleId :

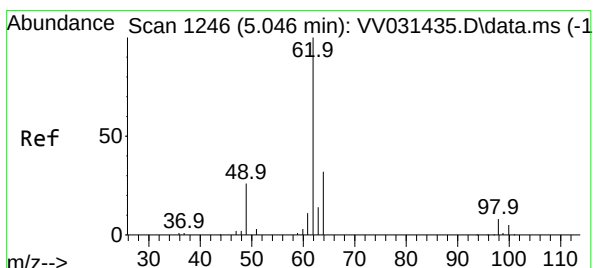
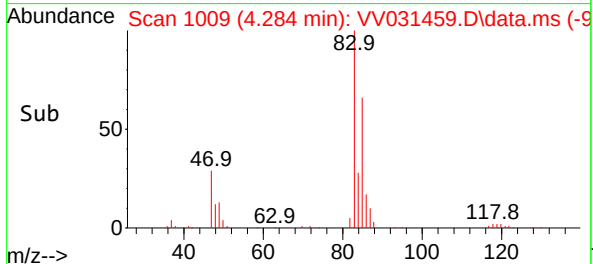
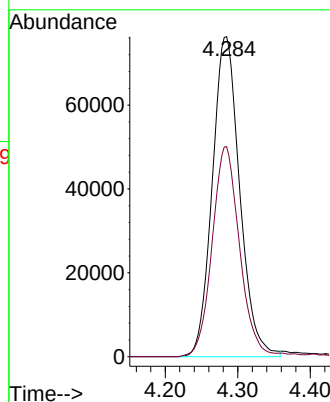
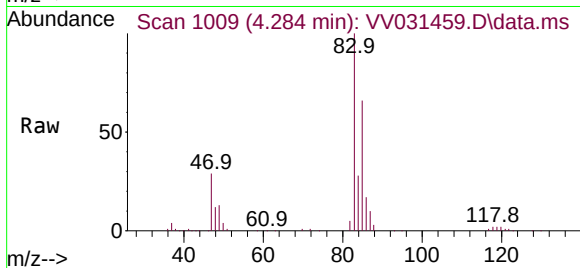
VSTD050363

Tgt Ion: 83 Resp: 200347

Ion Ratio Lower Upper

83 100

85 65.6 43.9 81.5



#27

1,2-Dichloroethane

Concen: 56.101 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VV031459.D

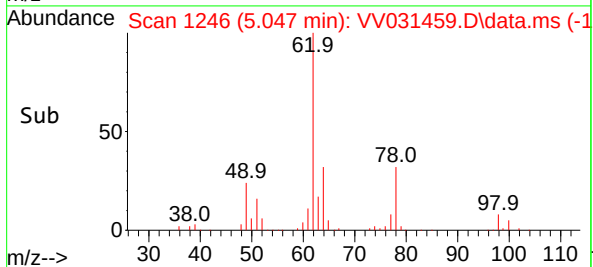
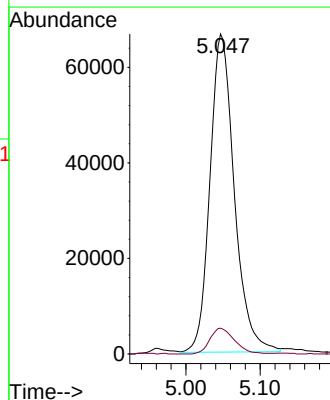
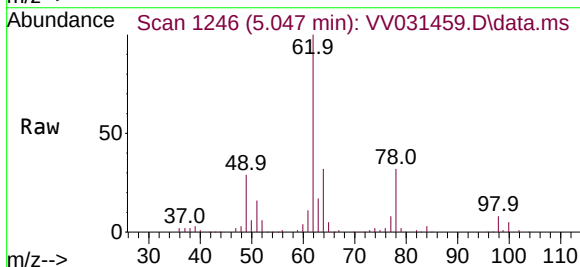
Acq: 08 Jun 2023 19:25

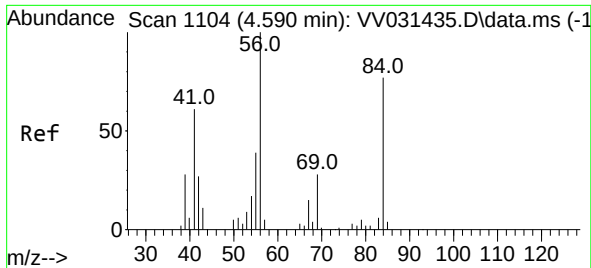
Tgt Ion: 62 Resp: 151694

Ion Ratio Lower Upper

62 100

98 8.1 6.2 9.4

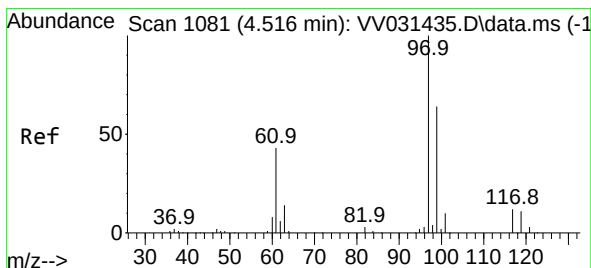
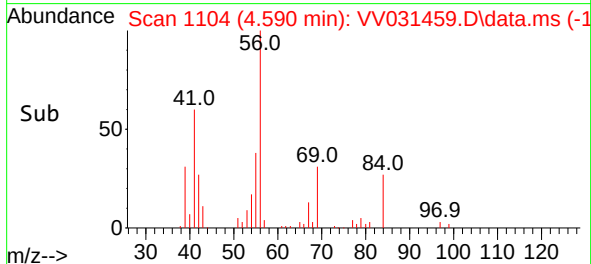
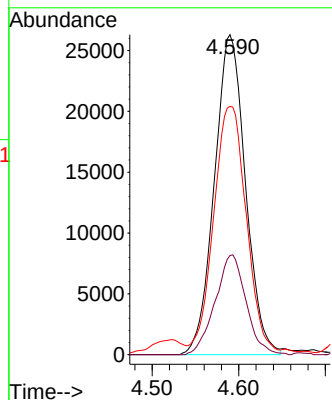
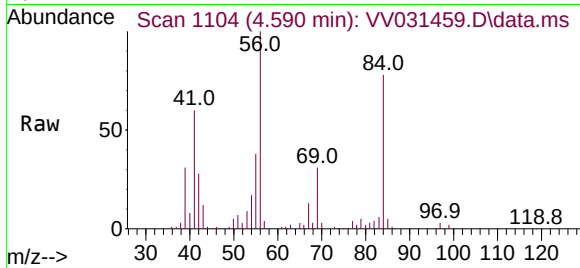




#29
Cyclohexane
Concen: 47.999 ug/L
RT: 4.590 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

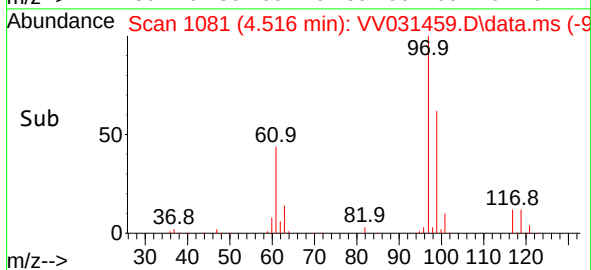
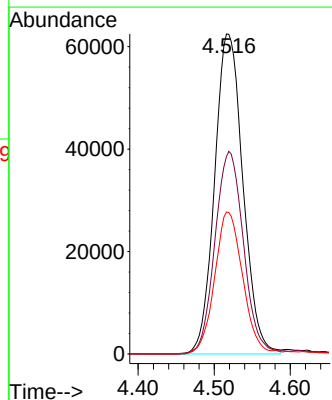
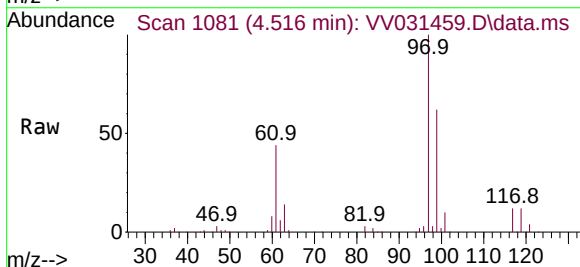
Instrument :
MSVOA_V
ClientSampleId :
VSTD050363

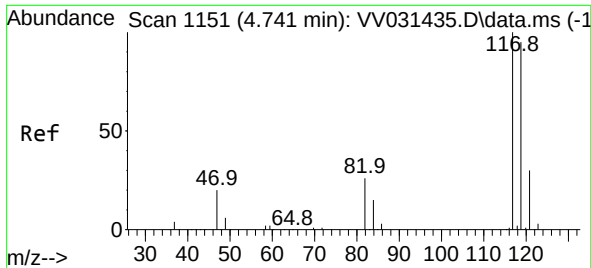
Tgt Ion: 56 Resp: 65581
Ion Ratio Lower Upper
56 100
69 31.0 23.5 35.3
84 79.9 61.3 91.9



#30
1,1,1-Trichloroethane
Concen: 53.701 ug/L
RT: 4.516 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

Tgt Ion: 97 Resp: 161707
Ion Ratio Lower Upper
97 100
99 63.6 51.9 77.9
61 43.4 36.1 54.1

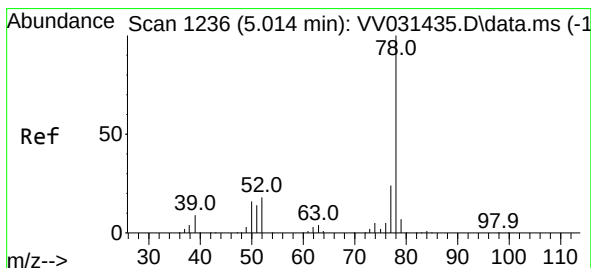
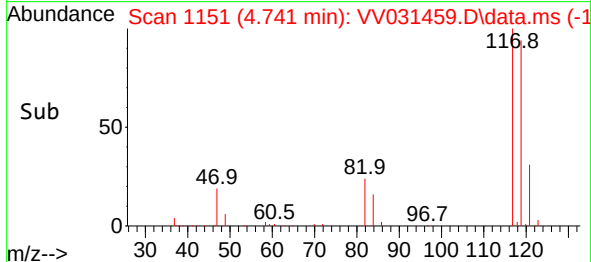
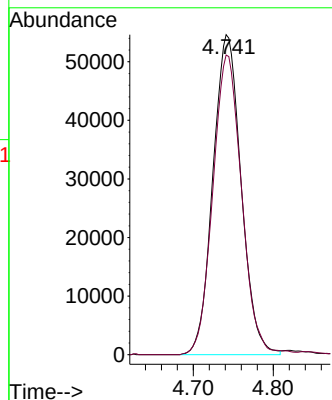
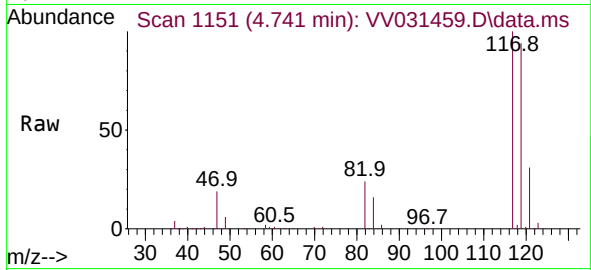




#31
Carbon tetrachloride
Concen: 53.358 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. 0.000 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

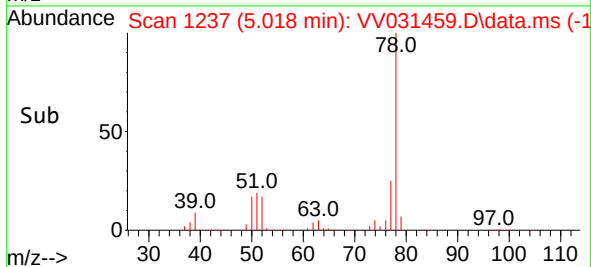
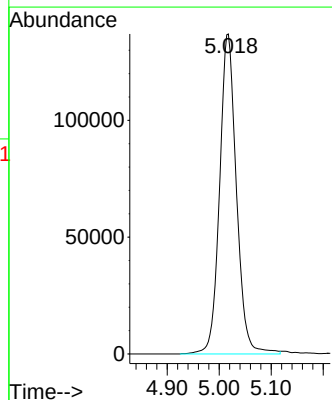
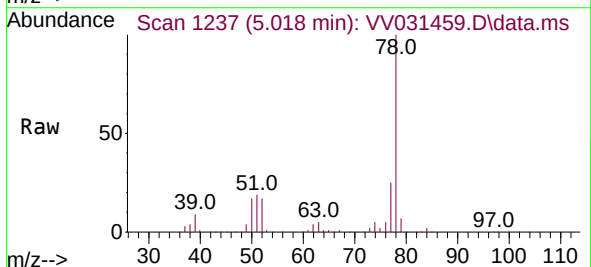
Instrument :
MSVOA_V
ClientSampleId :
VSTD050363

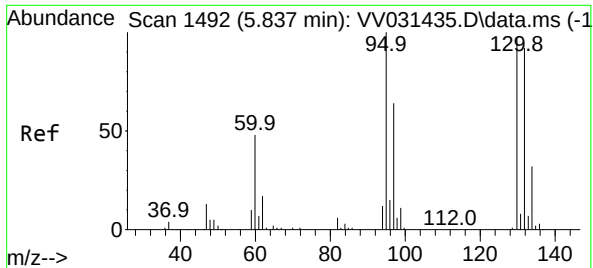
Tgt Ion:117 Resp: 133475
Ion Ratio Lower Upper
117 100
119 95.4 75.8 113.6



#33
Benzene
Concen: 54.777 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.003 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

Tgt Ion: 78 Resp: 308334



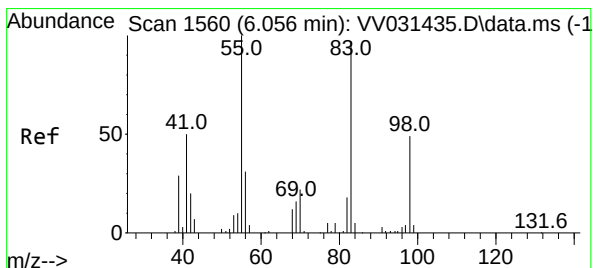
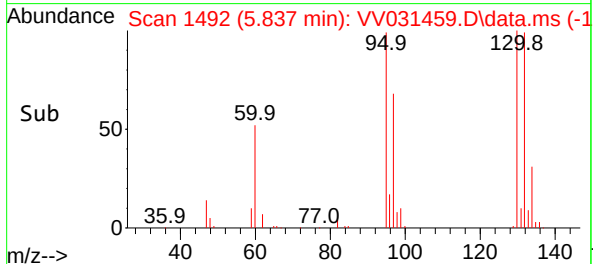
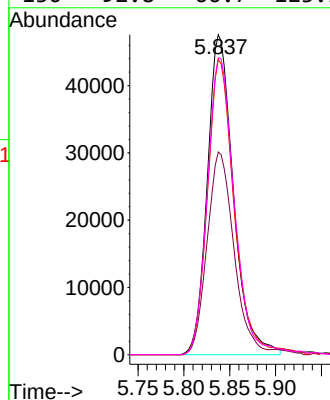
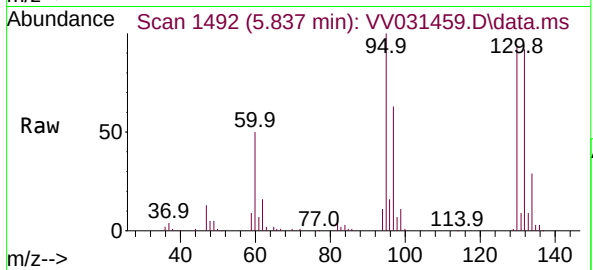


#34
Trichloroethene
Concen: 53.209 ug/L
RT: 5.837 min Scan# 1492
Delta R.T. 0.000 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD050363

Tgt Ion: 95 Resp: 94362

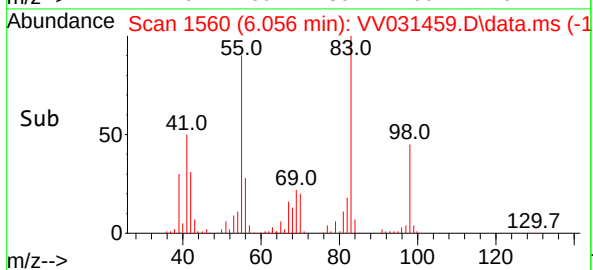
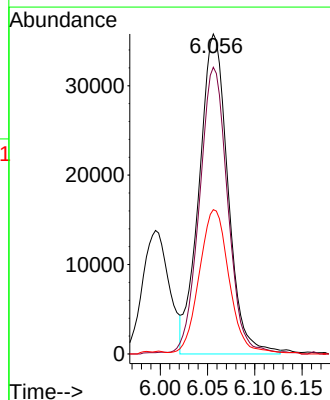
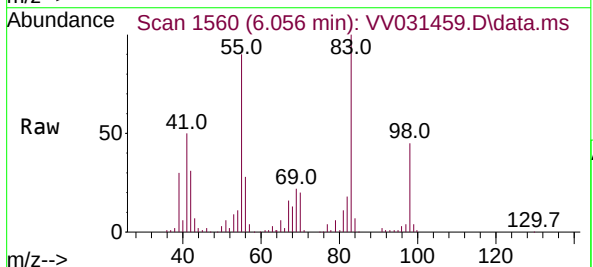
Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.2	82.0
132	92.3	64.2	119.2
130	92.8	66.7	123.9

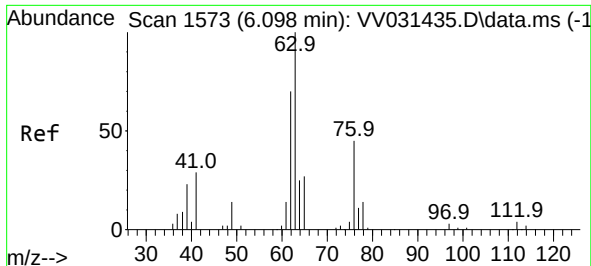


#35
Methylcyclohexane
Concen: 49.971 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. 0.000 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

Tgt Ion: 83 Resp: 75793

Ion	Ratio	Lower	Upper
83	100		
55	86.8	73.9	110.9
98	46.2	37.0	55.4





#37

1,2-Dichloropropane

Concen: 57.011 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031459.D

Acq: 08 Jun 2023 19:25

Instrument :

MSVOA_V

ClientSampleId :

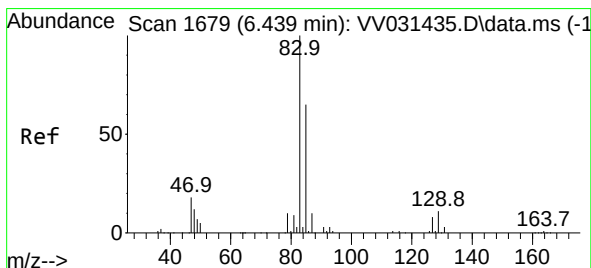
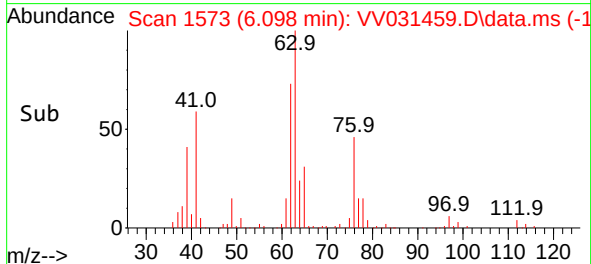
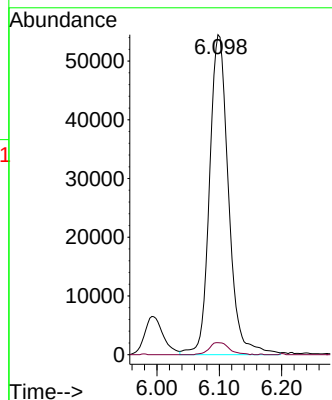
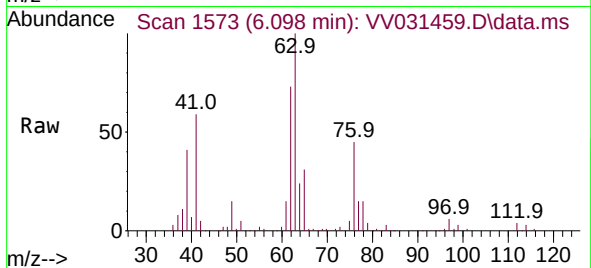
VSTD050363

Tgt Ion: 63 Resp: 115509

Ion Ratio Lower Upper

63 100

112 4.0 3.3 4.9



#38

Bromodichloromethane

Concen: 53.685 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV031459.D

Acq: 08 Jun 2023 19:25

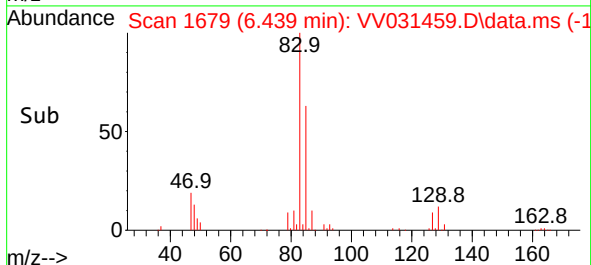
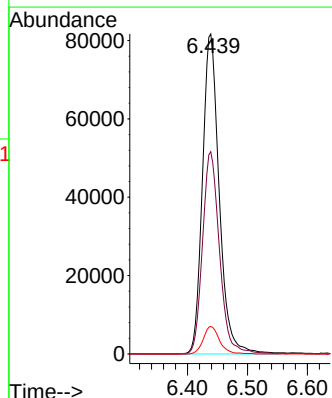
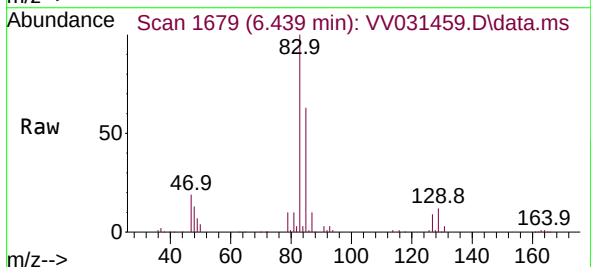
Tgt Ion: 83 Resp: 159197

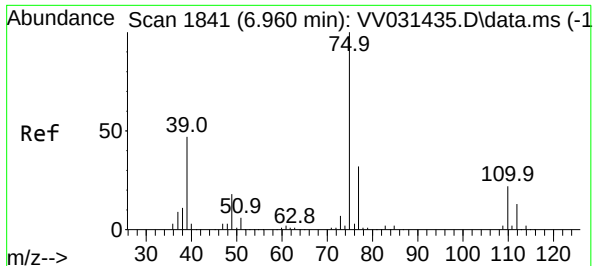
Ion Ratio Lower Upper

83 100

85 63.2 43.2 80.2

127 8.6 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 51.575 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031459.D

Acq: 08 Jun 2023 19:25

Instrument :

MSVOA_V

ClientSampleId :

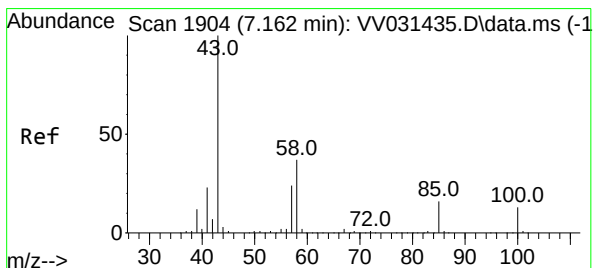
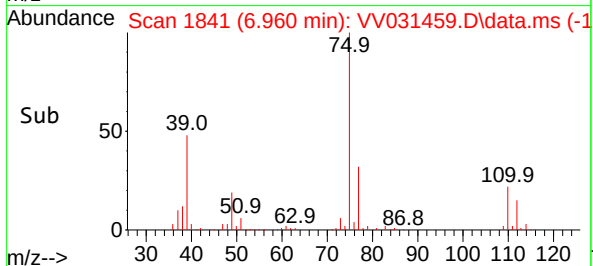
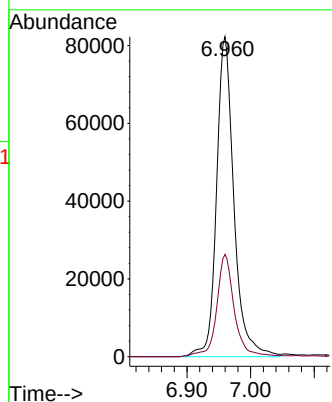
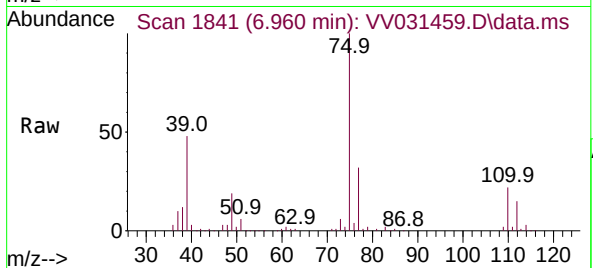
VSTD050363

Tgt Ion: 75 Resp: 156118

Ion Ratio Lower Upper

75 100

77 31.9 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 111.917 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV031459.D

Acq: 08 Jun 2023 19:25

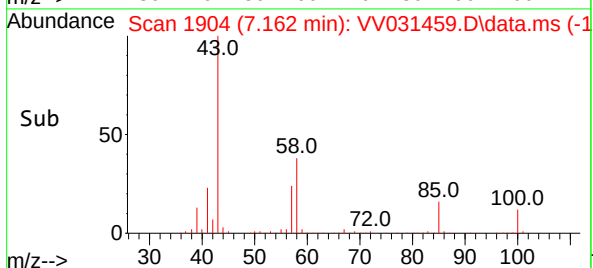
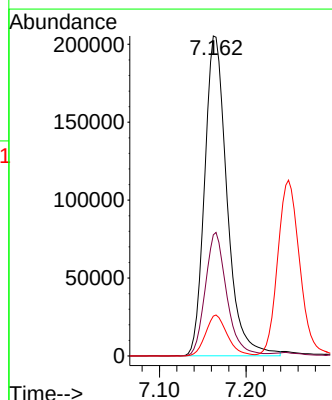
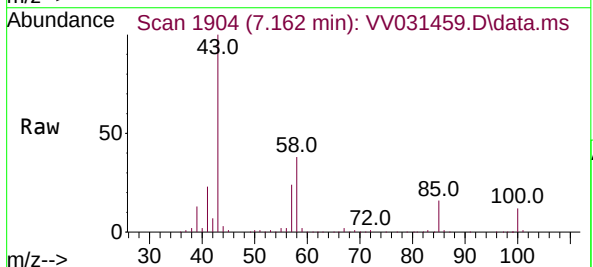
Tgt Ion: 43 Resp: 368348

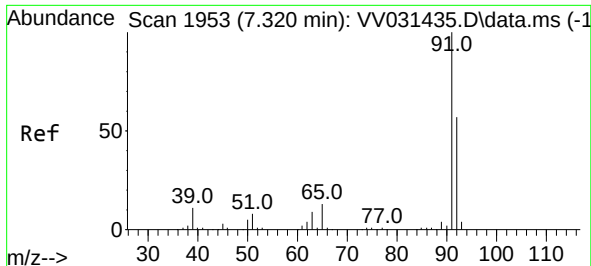
Ion Ratio Lower Upper

43 100

58 37.4 29.9 44.9

100 12.5 10.3 15.5





#42

Toluene

Concen: 56.197 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031459.D

Acq: 08 Jun 2023 19:25

Instrument :

MSVOA_V

ClientSampleId :

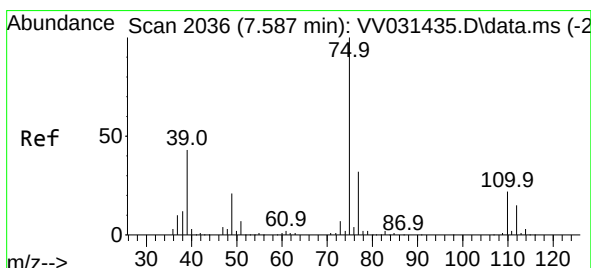
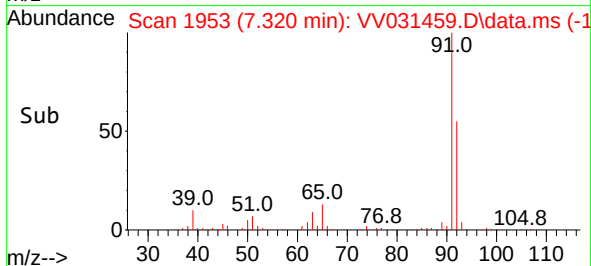
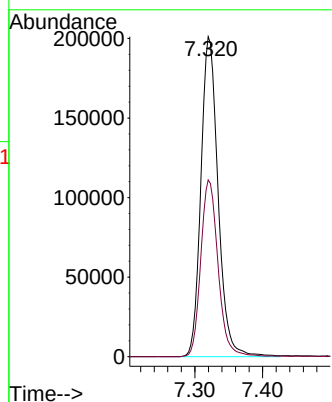
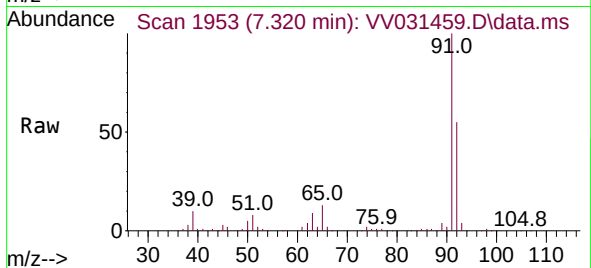
VSTD050363

Tgt Ion: 91 Resp: 354066

Ion Ratio Lower Upper

91 100

92 55.3 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 53.225 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV031459.D

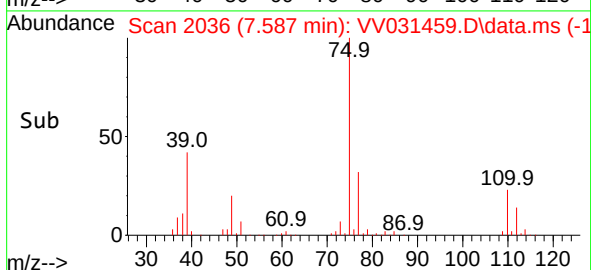
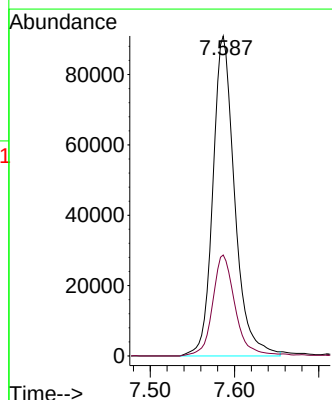
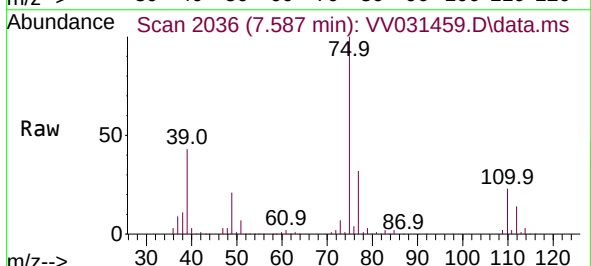
Acq: 08 Jun 2023 19:25

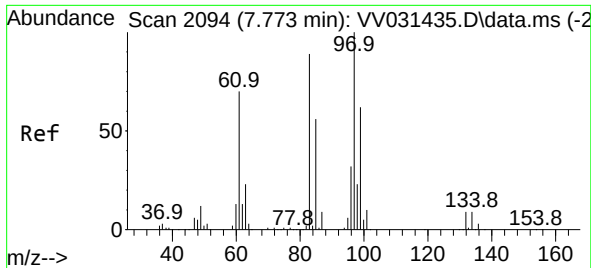
Tgt Ion: 75 Resp: 163414

Ion Ratio Lower Upper

75 100

77 31.6 22.2 41.2

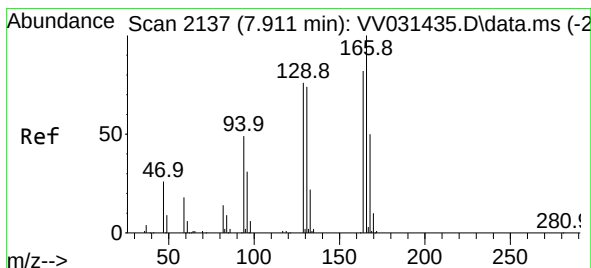
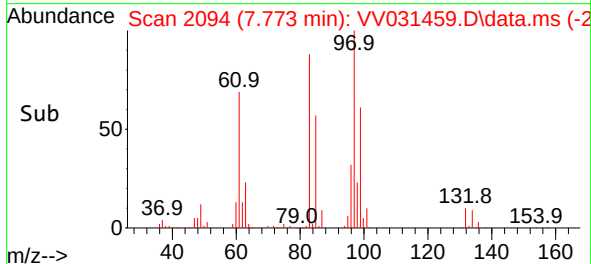
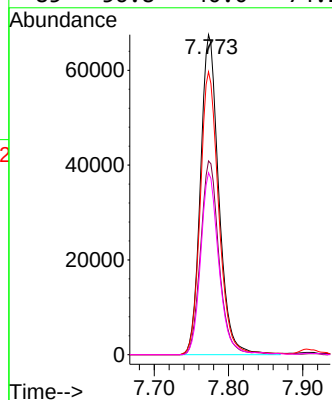
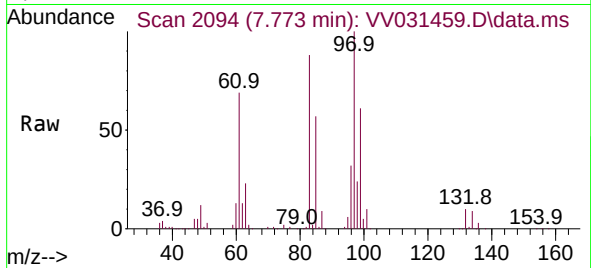




#45
1,1,2-Trichloroethane
Concen: 55.288 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.000 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

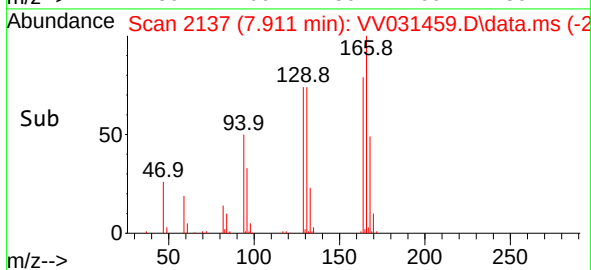
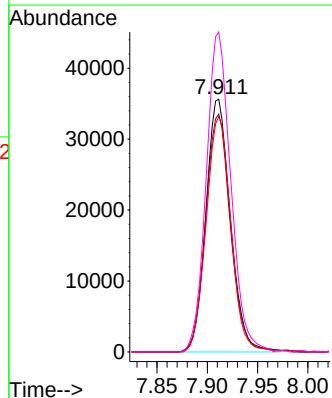
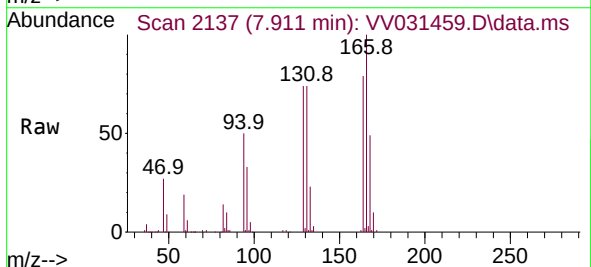
Instrument :
MSVOA_V
ClientSampleId :
VSTD050363

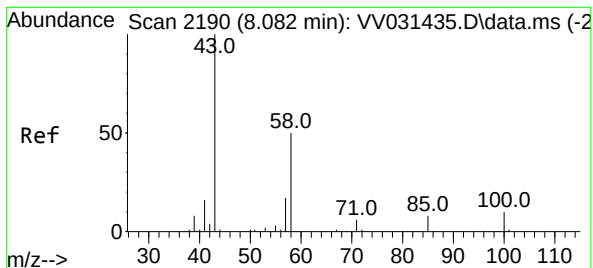
Tgt Ion:	97	Resp:	115785
Ion	Ratio	Lower	Upper
97	100		
99	60.5	43.8	81.4
83	88.4	61.9	115.1
85	56.8	40.0	74.2



#46
Tetrachloroethene
Concen: 52.504 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

Tgt Ion:	164	Resp:	60447
Ion	Ratio	Lower	Upper
164	100		
129	94.2	68.0	126.4
131	93.2	65.5	121.7
166	126.6	90.5	168.1





#48

2-Hexanone

Concen: 110.809 ug/L

RT: 8.082 min Scan# 2190

Delta R.T. 0.000 min

Lab File: VV031459.D

Acq: 08 Jun 2023 19:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050363

Tgt Ion: 43 Resp: 285470

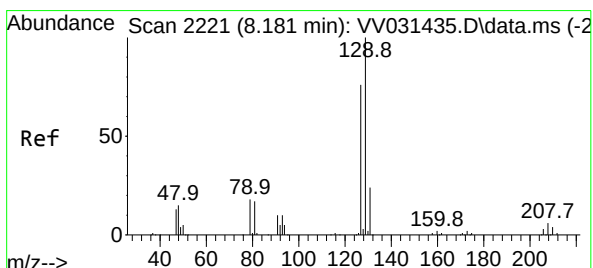
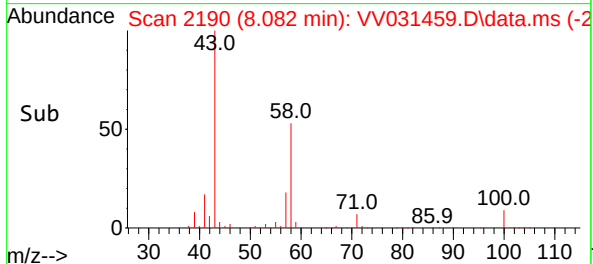
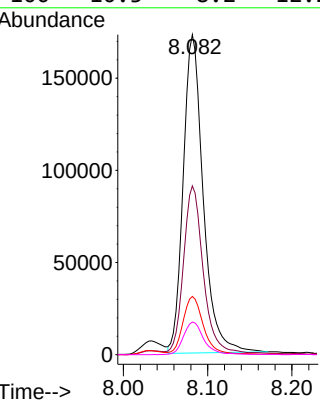
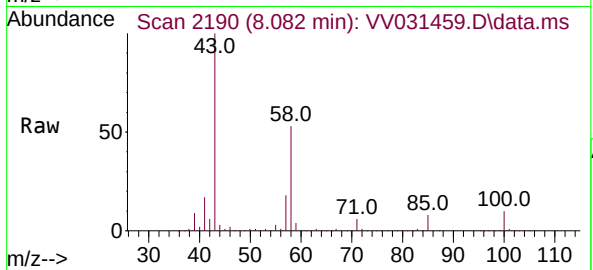
Ion Ratio Lower Upper

43 100

58 51.6 42.9 64.3

57 18.1 14.6 22.0

100 10.3 8.2 12.2



#49

Dibromochloromethane

Concen: 53.729 ug/L

RT: 8.181 min Scan# 2221

Delta R.T. 0.000 min

Lab File: VV031459.D

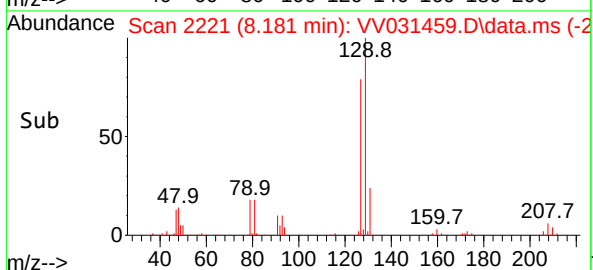
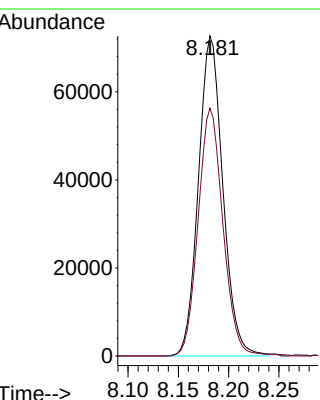
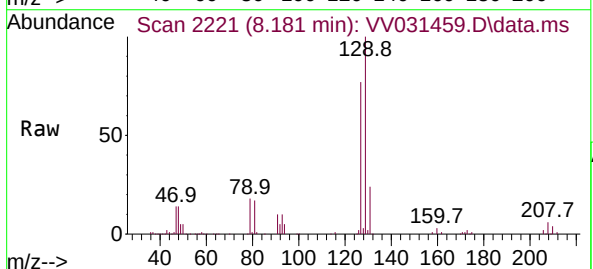
Acq: 08 Jun 2023 19:25

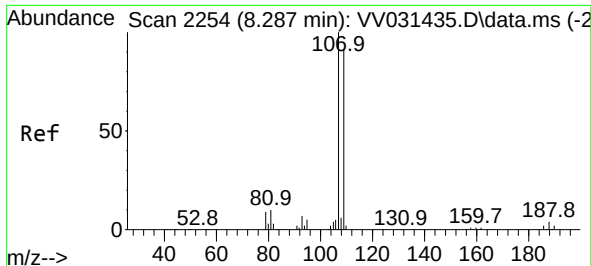
Tgt Ion: 129 Resp: 122743

Ion Ratio Lower Upper

129 100

127 77.4 55.5 103.1

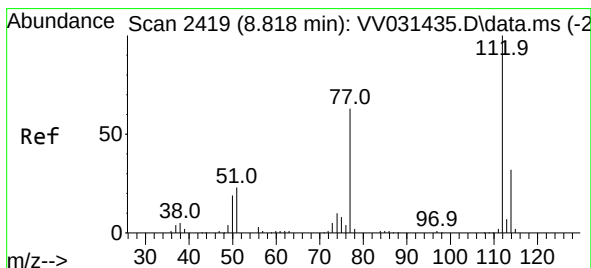
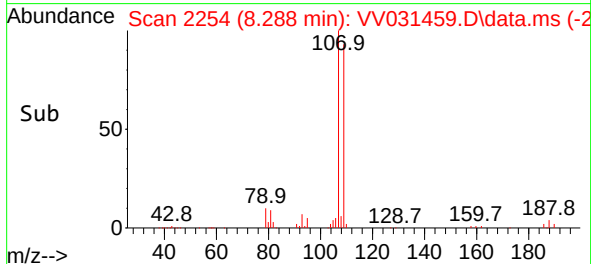
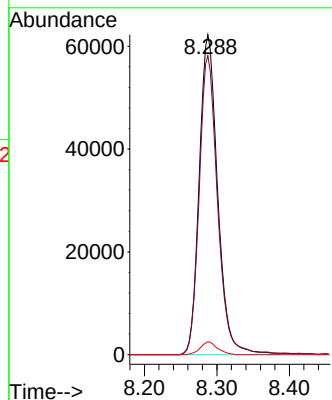
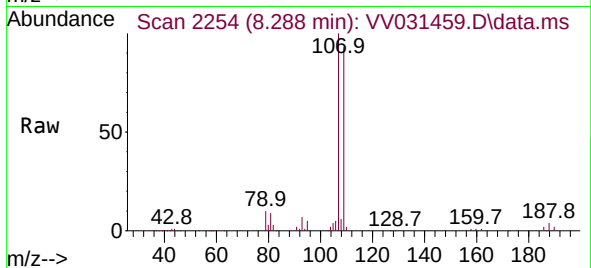




#50
1,2-Dibromoethane
Concen: 54.478 ug/L
RT: 8.288 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

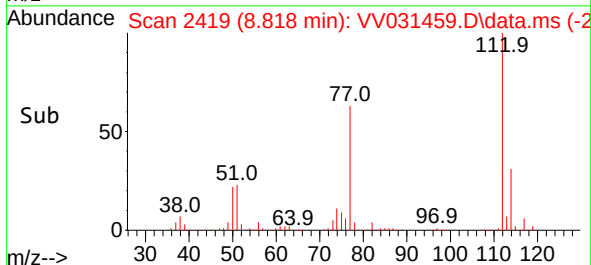
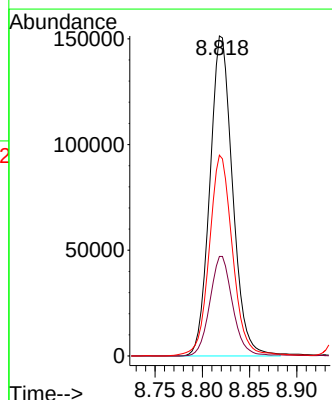
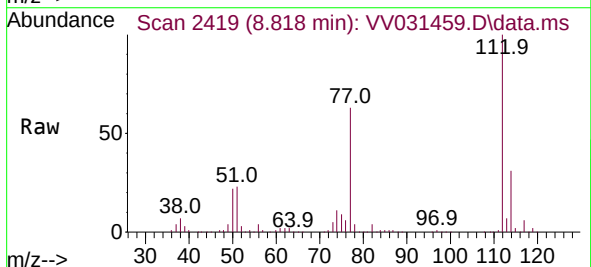
Instrument :
MSVOA_V
ClientSampleId :
VSTD050363

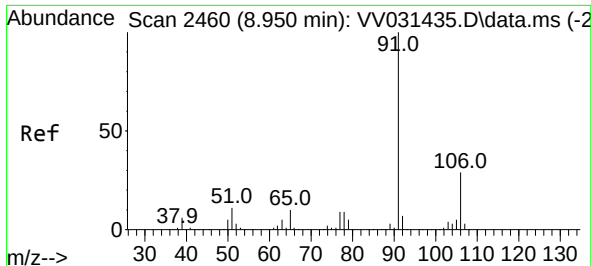
Tgt Ion:107 Resp: 109835
Ion Ratio Lower Upper
107 100
109 93.5 64.1 119.1
188 4.0 3.3 4.9



#51
Chlorobenzene
Concen: 52.870 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. 0.000 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

Tgt Ion:112 Resp: 253282
Ion Ratio Lower Upper
112 100
114 31.1 22.4 41.6
77 62.7 52.4 78.6

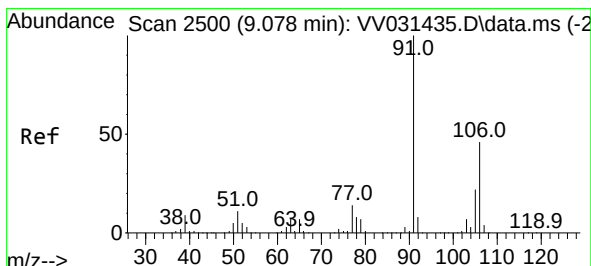
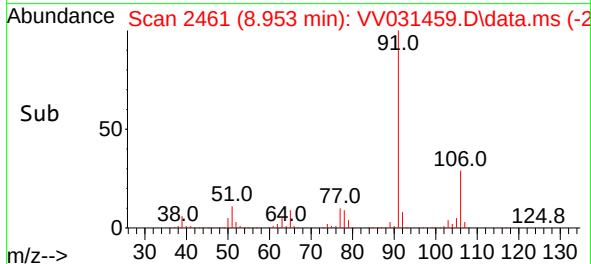
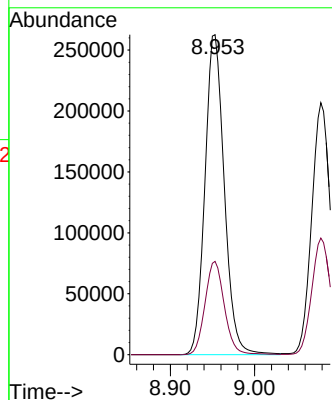
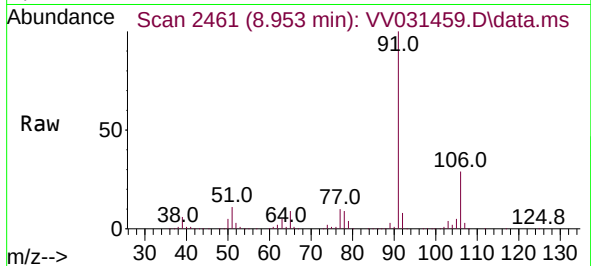




#52
Ethylbenzene
Concen: 53.480 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

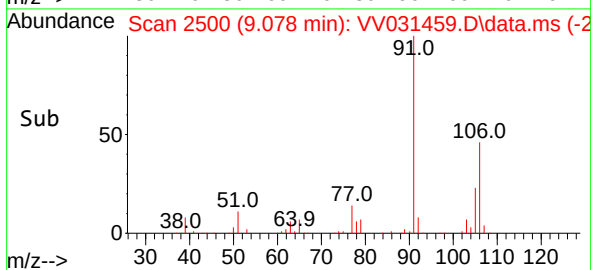
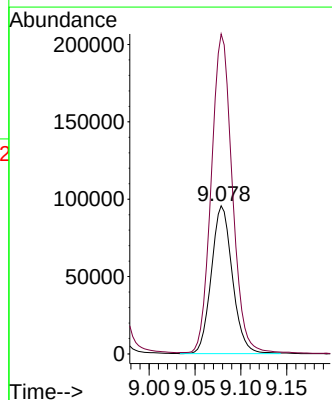
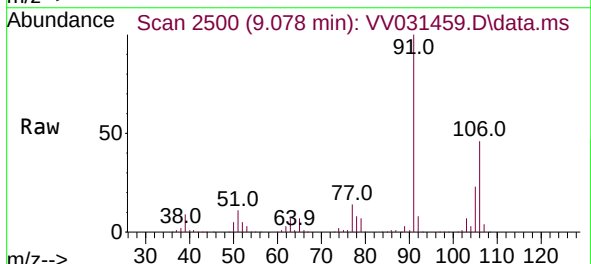
Instrument :
MSVOA_V
ClientSampleId :
VSTD050363

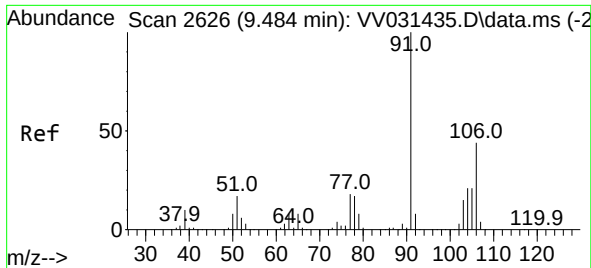
Tgt Ion: 91 Resp: 419347
Ion Ratio Lower Upper
91 100
106 29.2 20.4 38.0



#53
m,p-Xylene
Concen: 53.920 ug/L
RT: 9.078 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

Tgt Ion: 106 Resp: 152362
Ion Ratio Lower Upper
106 100
91 216.0 149.4 277.5

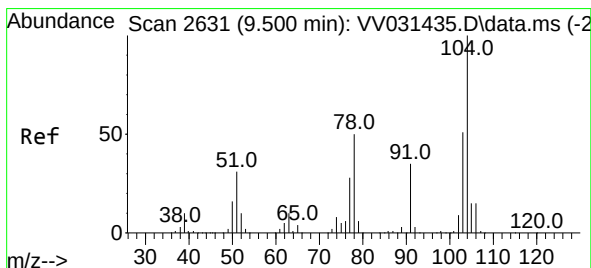
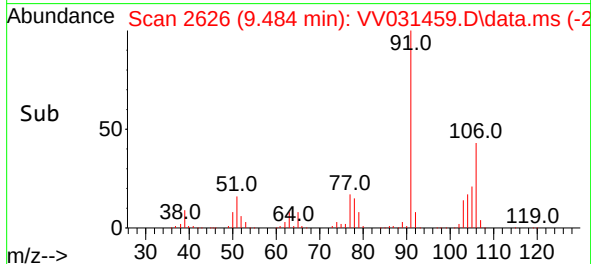
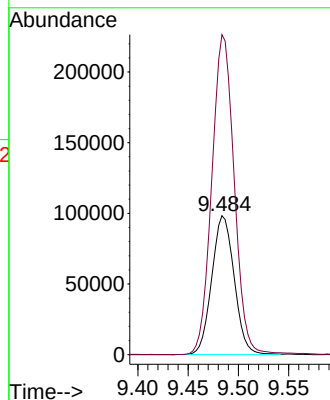
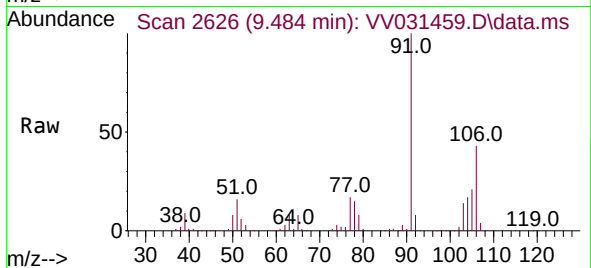




#54
o-Xylene
Concen: 53.557 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

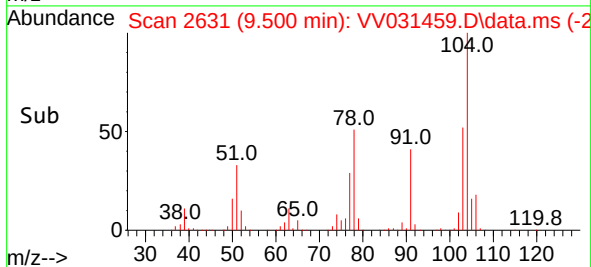
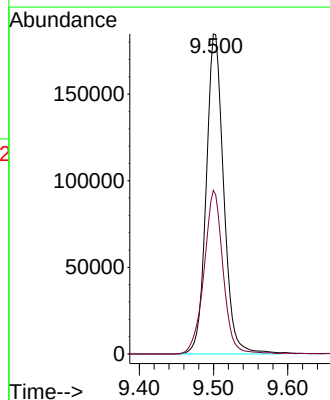
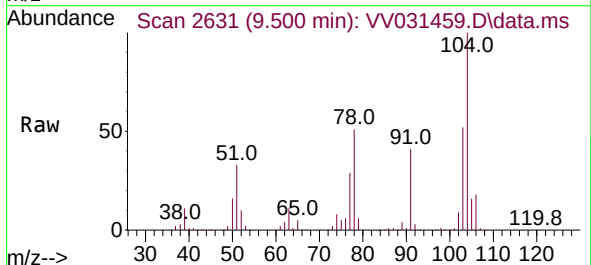
Instrument :
MSVOA_V
ClientSampleId :
VSTD050363

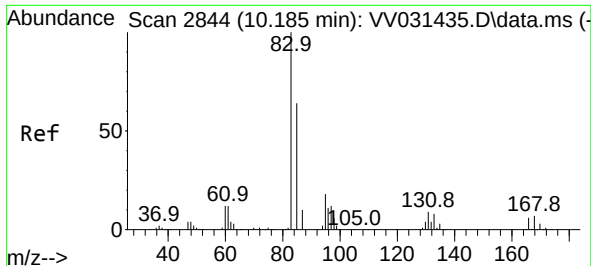
Tgt Ion:106 Resp: 152665
Ion Ratio Lower Upper
106 100
91 230.2 163.8 304.2



#55
Styrene
Concen: 58.041 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

Tgt Ion:104 Resp: 301633
Ion Ratio Lower Upper
104 100
78 51.2 35.9 66.7





#57

1,1,2,2-Tetrachloroethane

Concen: 52.824 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. 0.000 min

Lab File: VV031459.D

Acq: 08 Jun 2023 19:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050363

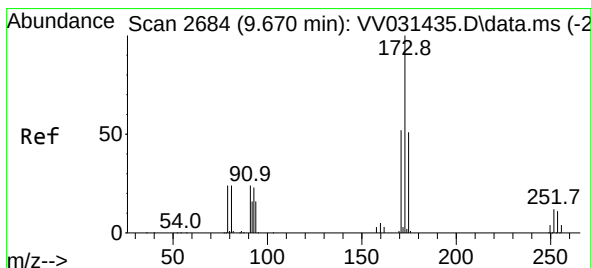
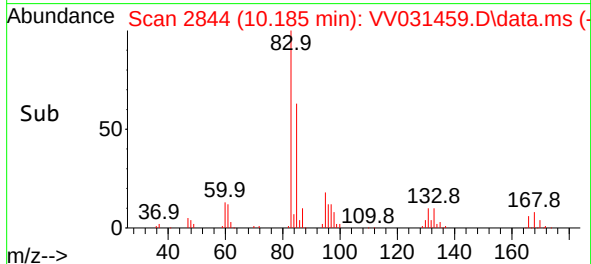
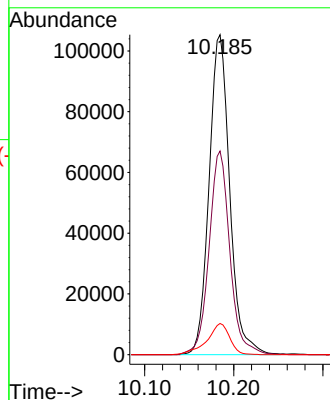
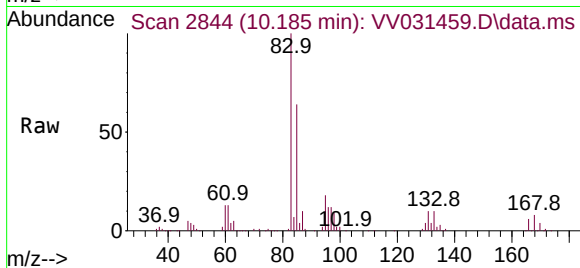
Tgt Ion: 83 Resp: 169578

Ion Ratio Lower Upper

83 100

85 63.7 43.7 81.1

131 9.7 7.3 10.9



#59

Bromoform

Concen: 52.076 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.000 min

Lab File: VV031459.D

Acq: 08 Jun 2023 19:25

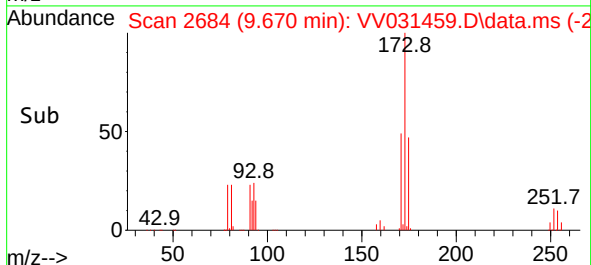
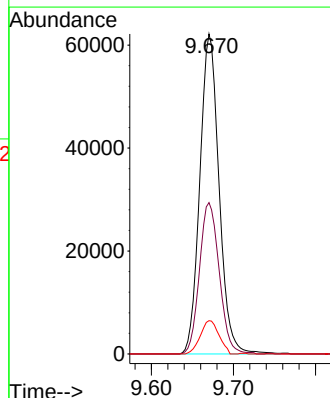
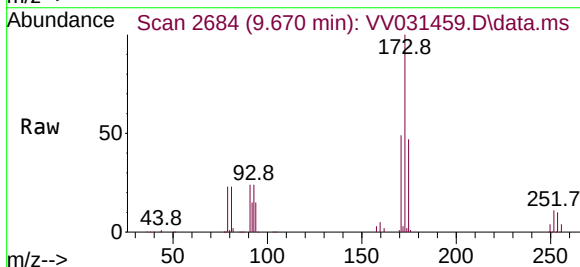
Tgt Ion: 173 Resp: 101157

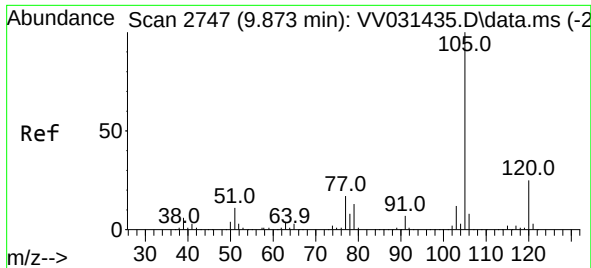
Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

254 10.1 8.7 13.1

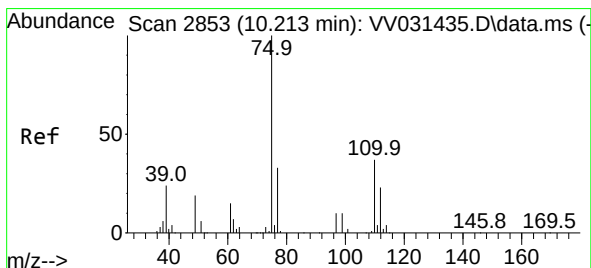
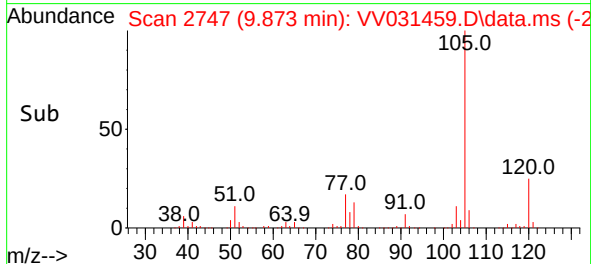
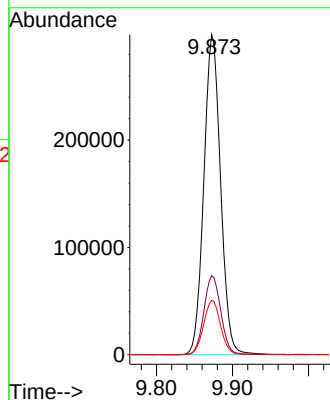
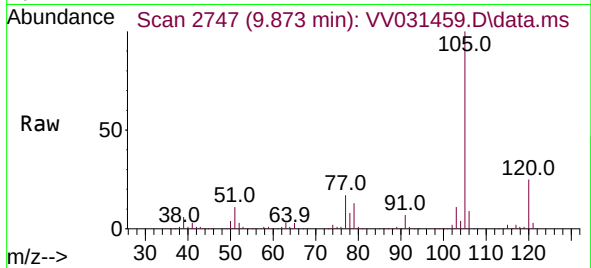




#60
Isopropylbenzene
Concen: 52.779 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

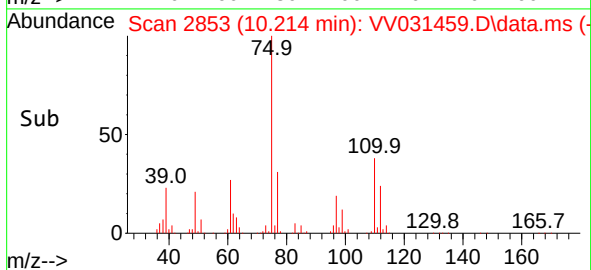
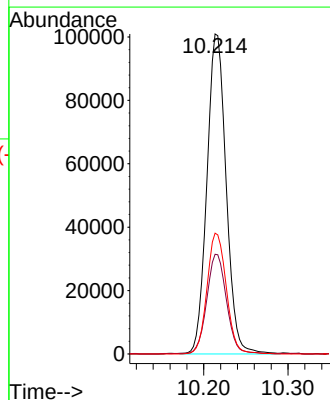
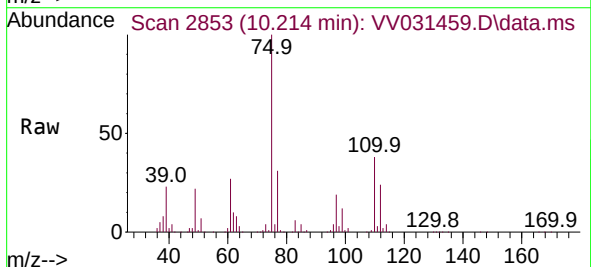
Instrument :
MSVOA_V
ClientSampleId :
VSTD050363

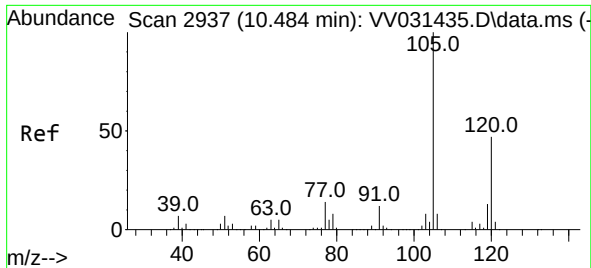
Tgt Ion:105 Resp: 457209
Ion Ratio Lower Upper
105 100
120 25.0 20.6 30.8
77 17.0 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 52.340 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

Tgt Ion: 75 Resp: 160627
Ion Ratio Lower Upper
75 100
77 32.1 25.6 38.4
110 37.9 29.5 44.3

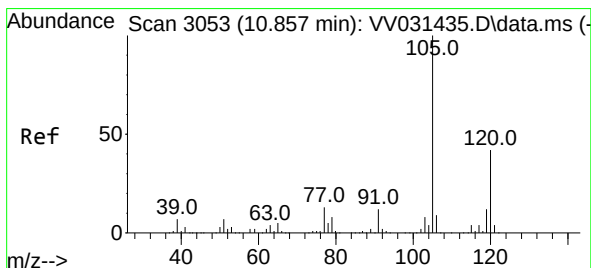
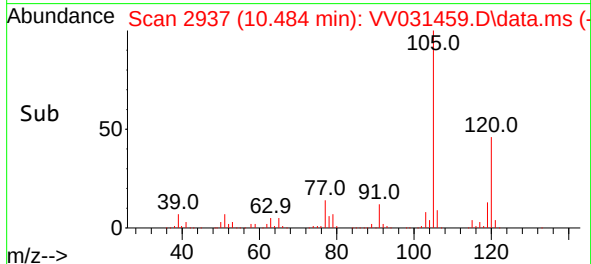
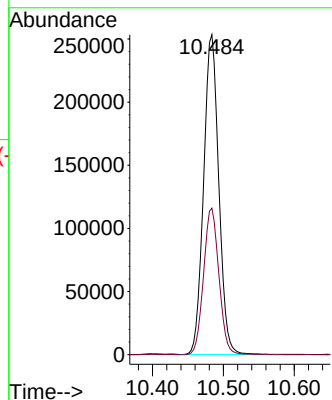
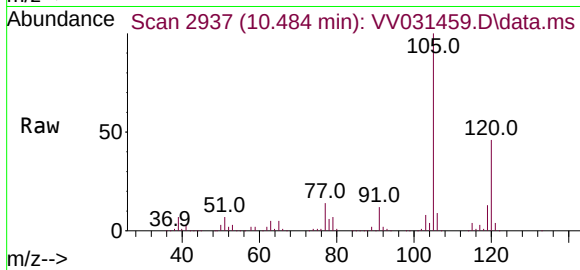




#62
1,3,5-Trimethylbenzene
Concen: 52.650 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

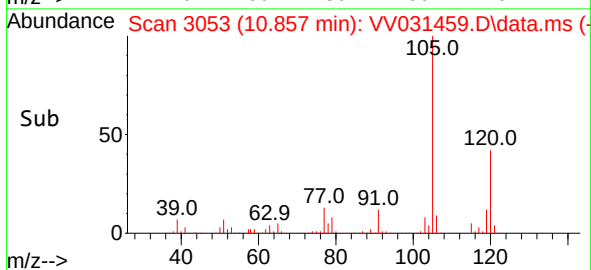
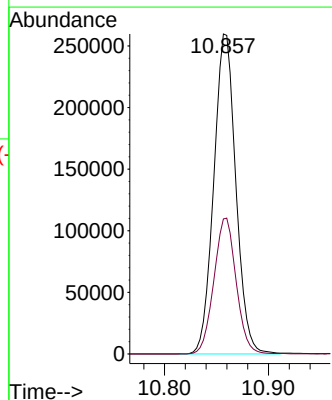
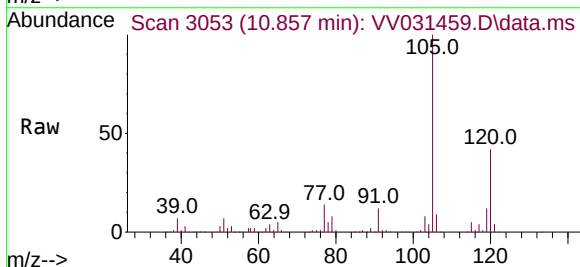
Instrument :
MSVOA_V
ClientSampleId :
VSTD050363

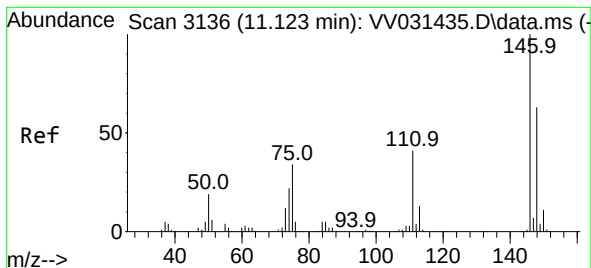
Tgt Ion:105 Resp: 376669
Ion Ratio Lower Upper
105 100
120 46.2 36.8 55.2



#63
1,2,4-Trimethylbenzene
Concen: 53.592 ug/L
RT: 10.857 min Scan# 3053
Delta R.T. 0.000 min
Lab File: VV031459.D
Acq: 08 Jun 2023 19:25

Tgt Ion:105 Resp: 383778
Ion Ratio Lower Upper
105 100
120 42.8 35.0 52.4





#64

1,3-Dichlorobenzene

Concen: 51.640 ug/L

RT: 11.123 min Scan# 3136

Delta R.T. 0.000 min

Lab File: VV031459.D

Acq: 08 Jun 2023 19:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050363

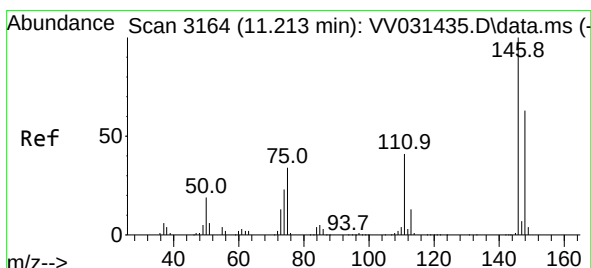
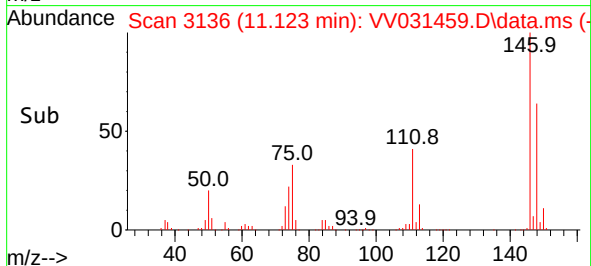
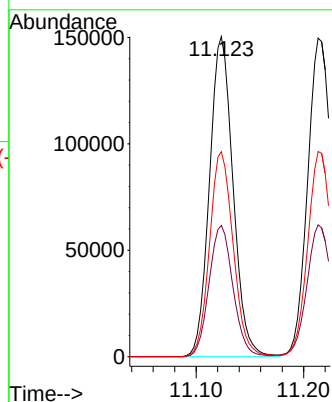
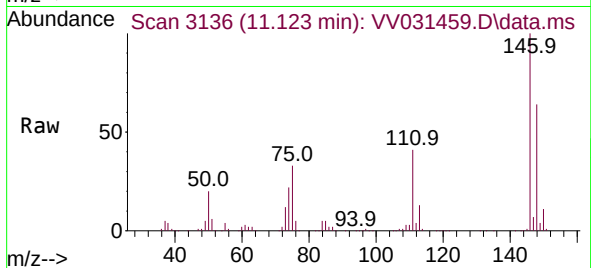
Tgt Ion:146 Resp: 228977

Ion Ratio Lower Upper

146 100

111 41.0 29.3 54.5

148 64.1 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 51.235 ug/L

RT: 11.213 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VV031459.D

Acq: 08 Jun 2023 19:25

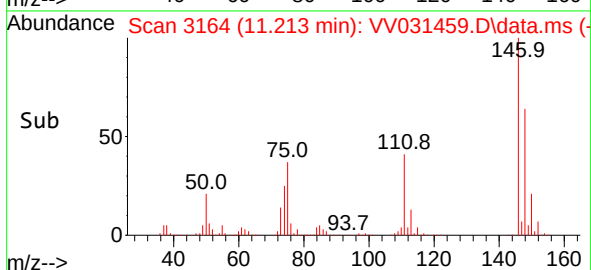
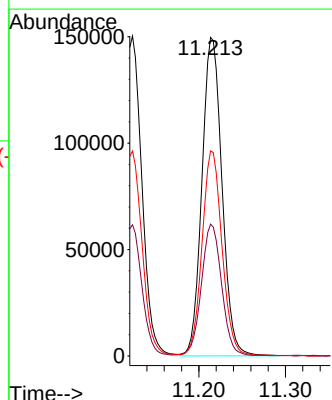
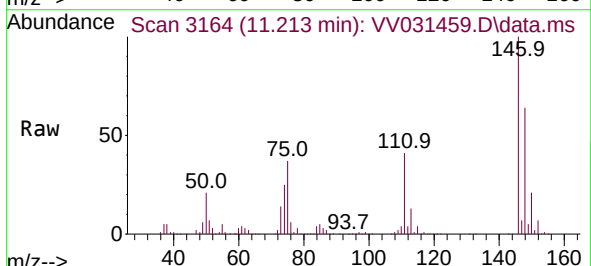
Tgt Ion:146 Resp: 240290

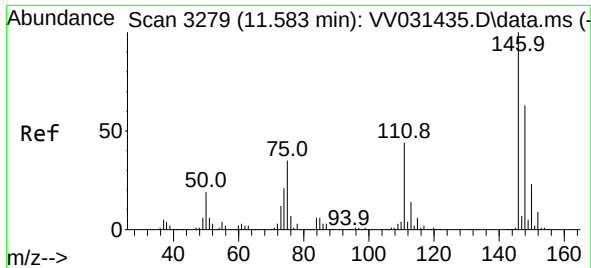
Ion Ratio Lower Upper

146 100

111 41.4 28.1 52.3

148 64.4 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 51.385 ug/L

RT: 11.586 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031459.D

Acq: 08 Jun 2023 19:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050363

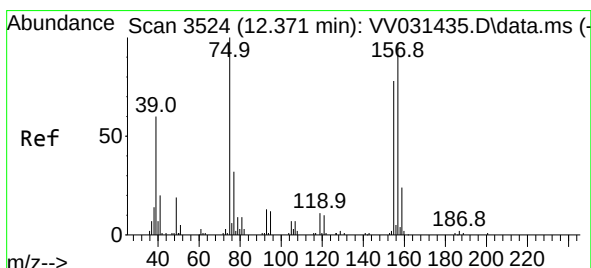
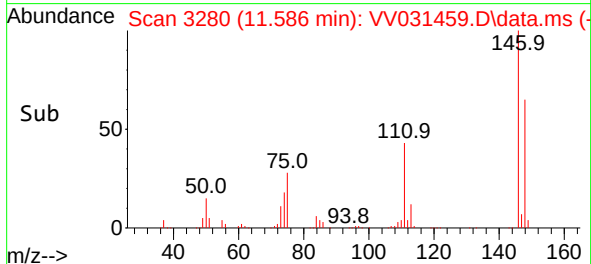
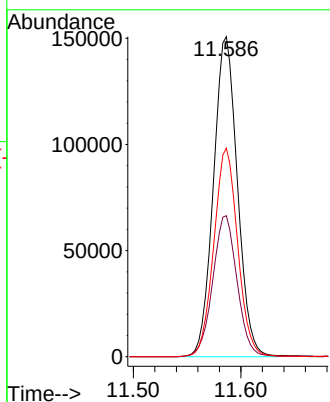
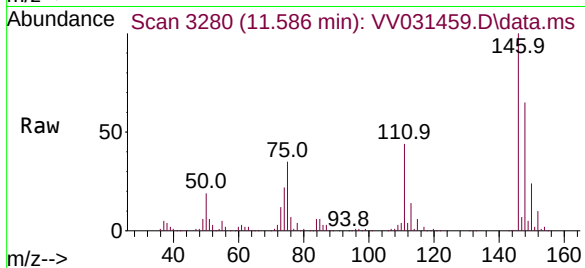
Tgt Ion:146 Resp: 233567

Ion Ratio Lower Upper

146 100

111 44.1 34.5 51.7

148 65.2 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 51.746 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV031459.D

Acq: 08 Jun 2023 19:25

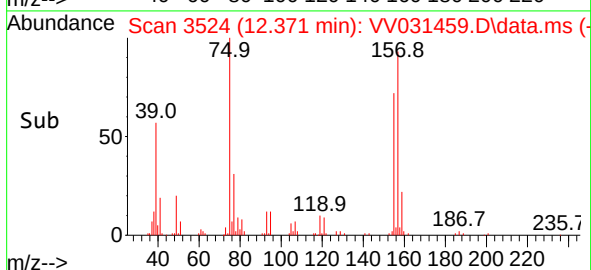
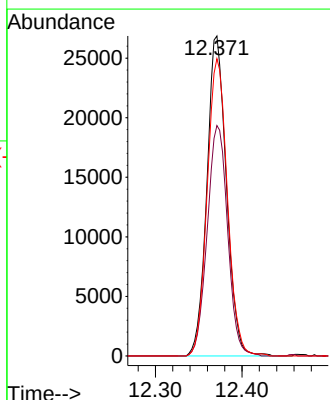
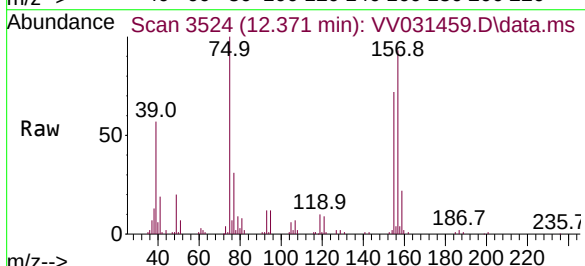
Tgt Ion: 75 Resp: 42092

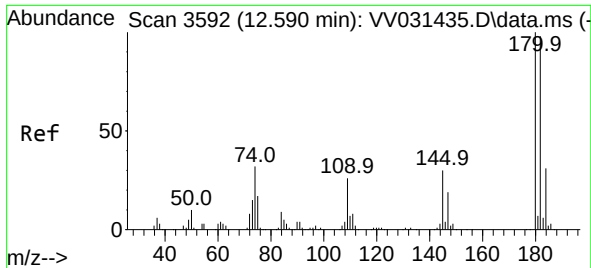
Ion Ratio Lower Upper

75 100

155 72.0 62.1 93.1

157 92.9 74.9 112.3

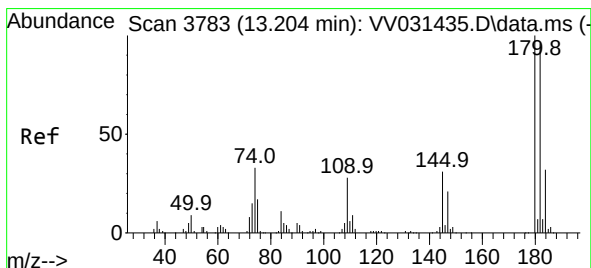
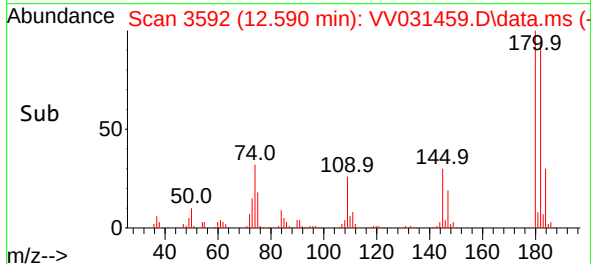
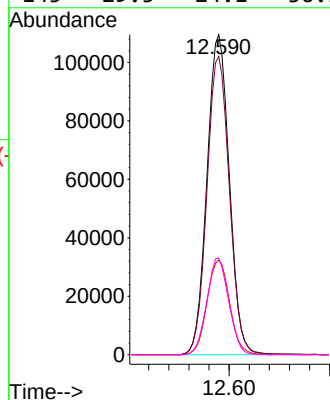
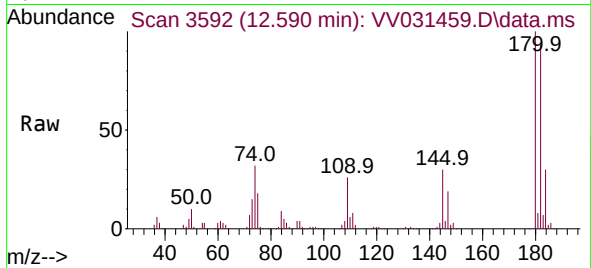




#69
 1,3,5-Trichlorobenzene
 Concen: 49.533 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. 0.000 min
 Lab File: VV031459.D
 Acq: 08 Jun 2023 19:25

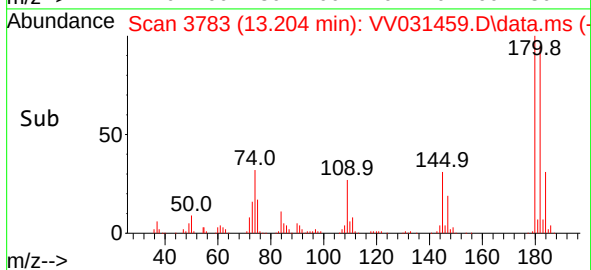
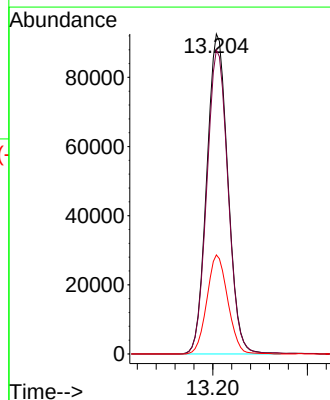
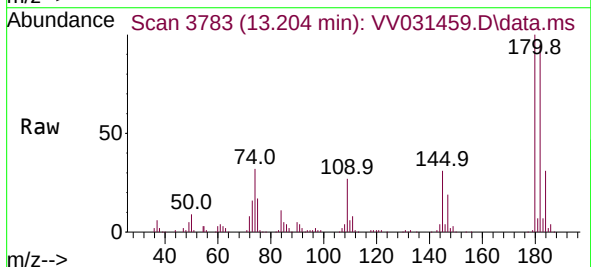
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050363

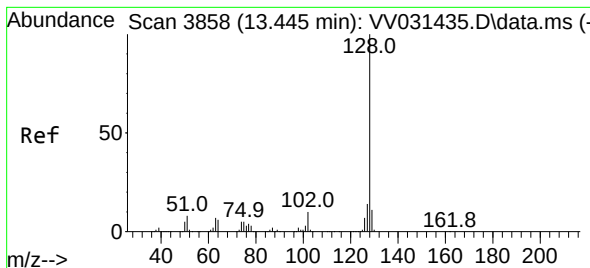
Tgt Ion:180	Resp:	169094
Ion Ratio	Lower	Upper
180	100	
182	93.7	75.7 113.5
184	29.8	23.9 35.9
145	29.5	24.1 36.1



#70
 1,2,4-trichlorobenzene
 Concen: 49.323 ug/L
 RT: 13.204 min Scan# 3783
 Delta R.T. 0.000 min
 Lab File: VV031459.D
 Acq: 08 Jun 2023 19:25

Tgt Ion:180	Resp:	143645
Ion Ratio	Lower	Upper
180	100	
182	95.4	77.0 115.6
145	30.5	24.2 36.2





#71

Naphthalene

Concen: 44.659 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031459.D

Acq: 08 Jun 2023 19:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050363

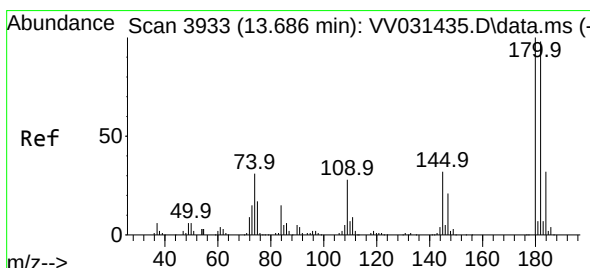
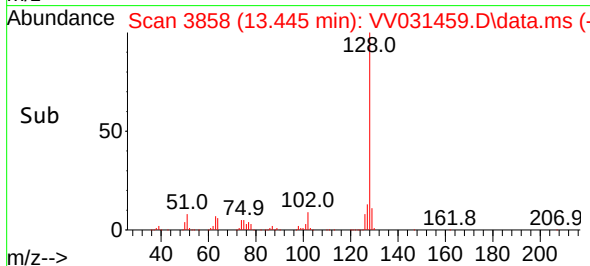
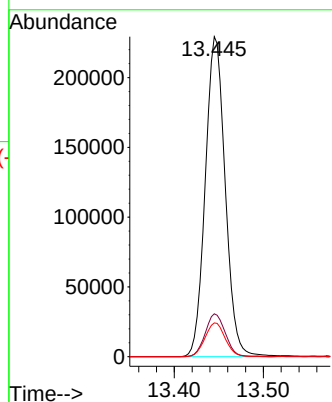
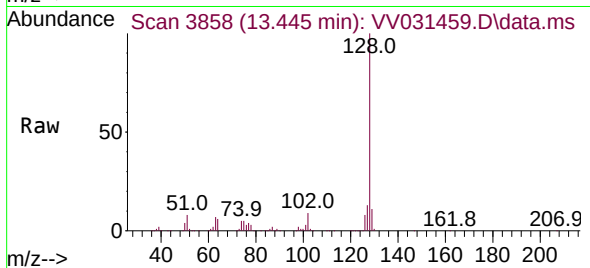
Tgt Ion:128 Resp: 356477

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

129 10.7 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 50.884 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031459.D

Acq: 08 Jun 2023 19:25

Tgt Ion:180 Resp: 148539

Ion Ratio Lower Upper

180 100

182 96.0 77.4 116.2

145 32.3 25.6 38.4

