

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060823\
 Data File : VW031435.D
 Acq On : 08 Jun 2023 08:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050362

Quant Time: Jun 09 05:05:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 08 05:16:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	262390	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	265527	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	161444	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	97851	42.385	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.780%		
7) Chloroethane-d5	1.532	69	83246	44.539	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.080%		
11) 1,1-Dichloroethene-d2	2.063	65	48504	44.331	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.660%		
21) 2-Butanone-d5	3.796	46	149219	89.438	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	89.440%		
24) Chloroform-d	4.256	84	208426	47.463	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.920%		
26) 1,2-Dichloroethane-d4	4.947	65	138872	47.140	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.280%		
32) Benzene-d6	4.966	84	362243	46.208	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.420%		
36) 1,2-Dichloropropane-d6	5.992	67	126533	46.435	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.880%		
41) Toluene-d8	7.246	98	352671	48.972	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.940%		
43) trans-1,3-Dichloroprop...	7.554	79	58719	42.779	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.560%		
47) 2-Hexanone-d5	8.030	63	93199	90.810	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	90.810%		
56) 1,1,2,2-Tetrachloroeth...	10.156	84	161531	46.972	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.940%		
66) 1,2-Dichlorobenzene-d4	11.567	152	136629	45.621	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.240%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	54072	51.388	ug/L	95
3) Chloromethane	1.217	50	41612	48.732	ug/L	99
5) Vinyl chloride	1.281	62	50318	49.391	ug/L	100
6) Bromomethane	1.487	94	30781	50.270	ug/L	97
8) Chloroethane	1.548	64	41552	50.622	ug/L	97
9) Trichlorofluoromethane	1.715	101	128549	52.276	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	81412	51.195	ug/L	97
12) 1,1-Dichloroethene	2.072	96	53293	50.912	ug/L	90
13) Acetone	2.121	43	107955	72.330	ug/L	97
14) Carbon disulfide	2.243	76	40001	44.674	ug/L	98
15) Methyl Acetate	2.375	43	119227	52.900	ug/L	98
16) Methylene chloride	2.449	84	80382	50.871	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	51451	51.842	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	307775	50.452	ug/L	99
19) 1,1-Dichloroethane	3.117	63	178884	52.107	ug/L	98
20) cis-1,2-Dichloroethene	3.821	96	82817	51.326	ug/L	96
22) 2-Butanone	3.876	43	166411	90.716	ug/L	98
23) Bromochloromethane	4.153	128	44996	53.030	ug/L	94
25) Chloroform	4.281	83	201626	52.669	ug/L	98

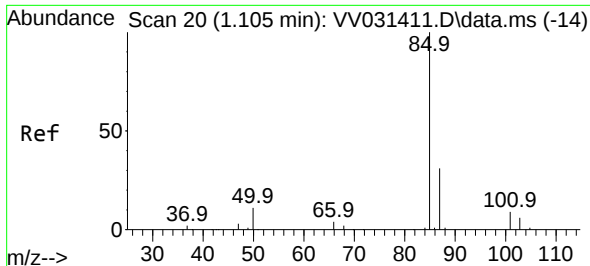
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060823\
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.046	62	151522	54.206	ug/L	99
29) Cyclohexane	4.590	56	67807	47.681	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	165176	52.700	ug/L	98
31) Carbon tetrachloride	4.741	117	132815	51.011	ug/L	98
33) Benzene	5.014	78	309696	52.860	ug/L	100
34) Trichloroethene	5.837	95	97782	52.974	ug/L	99
35) Methylcyclohexane	6.056	83	75413	47.770	ug/L	98
37) 1,2-Dichloropropane	6.098	63	109417	51.885	ug/L	99
38) Bromodichloromethane	6.439	83	157920	51.164	ug/L	96
39) cis-1,3-Dichloropropene	6.960	75	152340	48.352	ug/L	97
40) 4-Methyl-2-pentanone	7.162	43	367102	107.161	ug/L	98
42) Toluene	7.320	91	360189	54.925	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	162009	50.697	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	116541	53.465	ug/L	99
46) Tetrachloroethene	7.911	164	62554	52.202	ug/L	95
48) 2-Hexanone	8.082	43	289311	107.893	ug/L	97
49) Dibromochloromethane	8.181	129	126642	53.260	ug/L	96
50) 1,2-Dibromoethane	8.287	107	110093	52.463	ug/L	100
51) Chlorobenzene	8.818	112	259413	52.025	ug/L	98
52) Ethylbenzene	8.950	91	431820	52.910	ug/L	100
53) m,p-Xylene	9.078	106	157706	53.621	ug/L	98
54) o-Xylene	9.484	106	158085	53.282	ug/L	96
55) Styrene	9.500	104	308711	57.072	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	170536	51.038	ug/L	97
59) Bromoform	9.670	173	99340	48.022	ug/L	99
60) Isopropylbenzene	9.873	105	469877	50.934	ug/L	100
61) 1,2,3-Trichloropropane	10.213	75	163781	50.114	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	395786	51.948	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	401068	52.591	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	243802	51.631	ug/L	99
65) 1,4-Dichlorobenzene	11.213	146	253229	50.701	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	249599	51.563	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	42441	48.993	ug/L	98
69) 1,3,5-Trichlorobenzene	12.590	180	175306	48.221	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	148655	47.931	ug/L	99
71) Naphthalene	13.445	128	389819	45.858	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	161111	51.825	ug/L	98

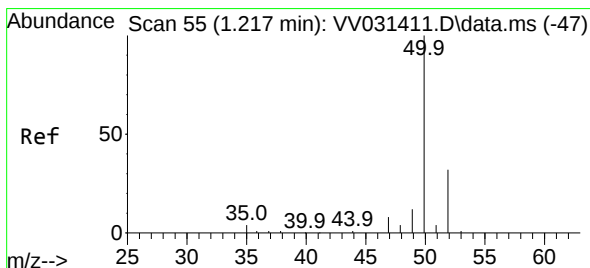
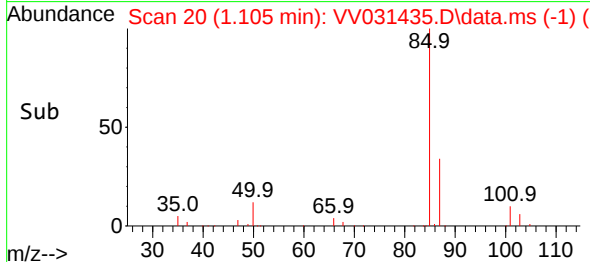
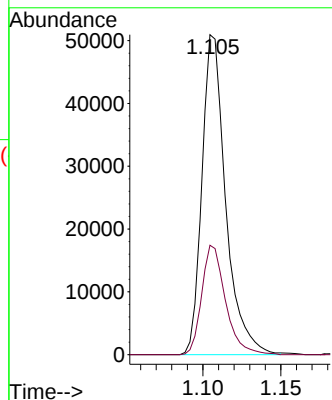
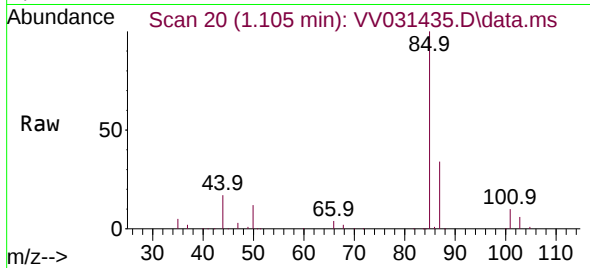
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#2
 Dichlorodifluoromethane
 Concen: 51.388 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV031435.D
 Acq: 08 Jun 2023 08:58

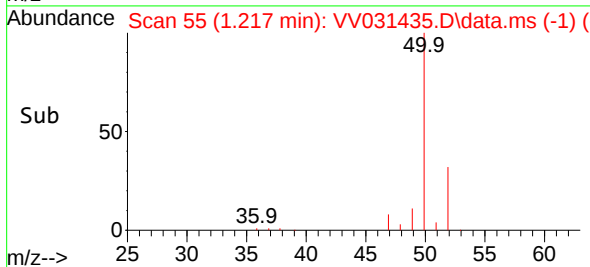
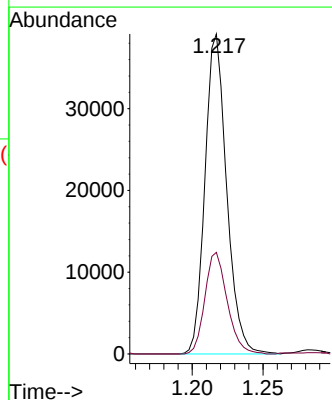
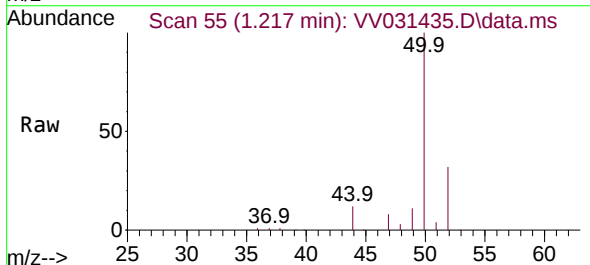
Instrument :
 MSVOA_V
 ClientSampleId :
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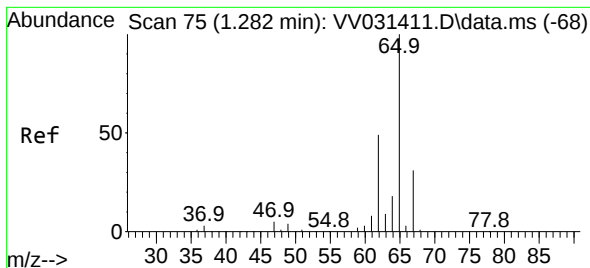
Tgt Ion: 85 Resp: 54072
 Ion Ratio Lower Upper
 85 100
 87 34.2 25.0 37.6



#3
 Chloromethane
 Concen: 48.732 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031435.D
 Acq: 08 Jun 2023 08:58

Tgt Ion: 50 Resp: 41612
 Ion Ratio Lower Upper
 50 100
 52 31.7 21.9 40.7





#5

Vinyl chloride

Concen: 49.391 ug/L

RT: 1.281 min Scan# 75

Delta R.T. -0.000 min

Lab File: VV031435.D

Acq: 08 Jun 2023 08:58

Instrument :

MSVOA_V

ClientSampleId :

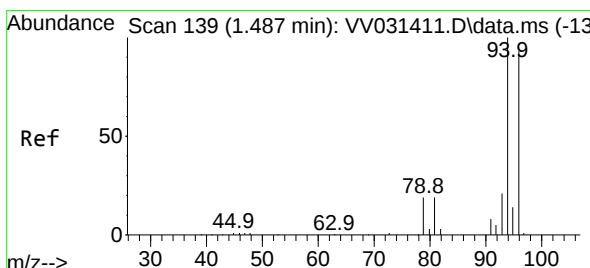
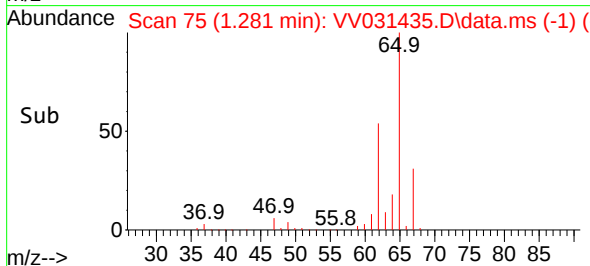
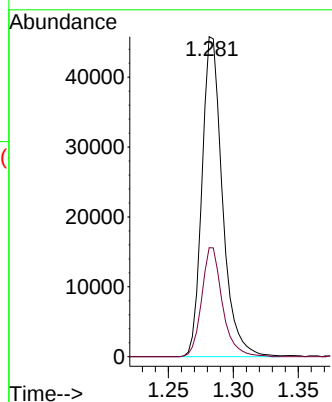
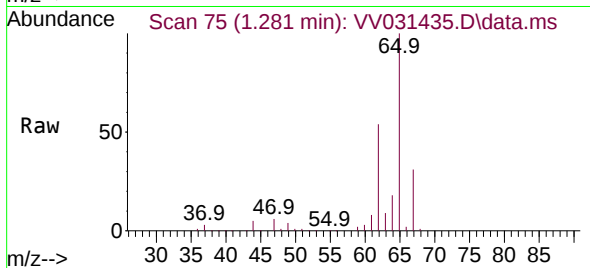
VSTD050362

Tgt Ion: 62 Resp: 50318

Ion Ratio Lower Upper

62 100

64 34.1 23.7 43.9



#6

Bromomethane

Concen: 50.270 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.000 min

Lab File: VV031435.D

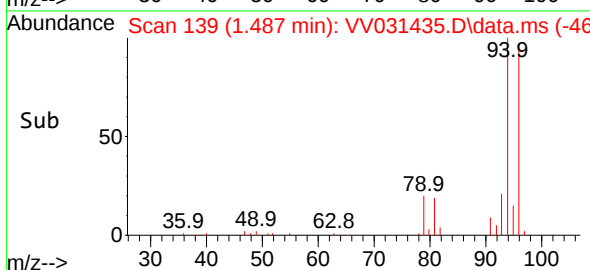
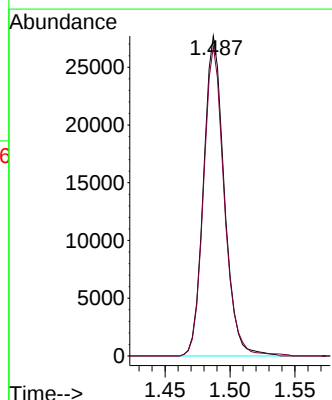
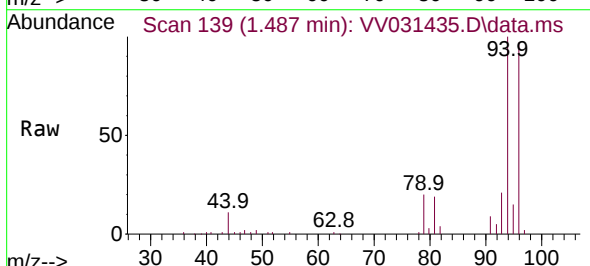
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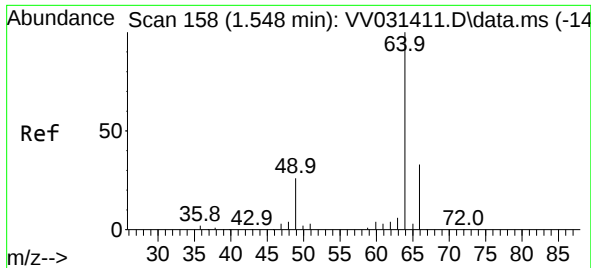
Tgt Ion: 94 Resp: 30781

Ion Ratio Lower Upper

94 100

96 96.7 65.4 121.4

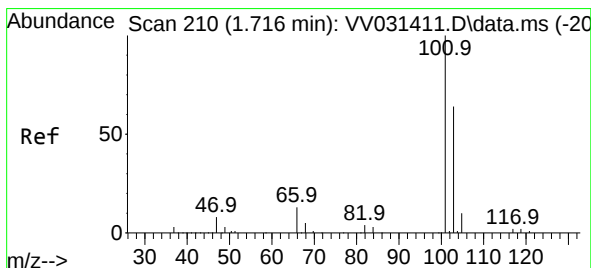
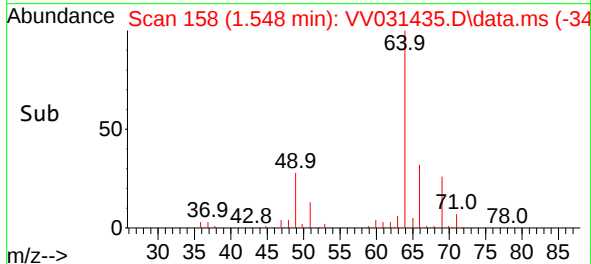
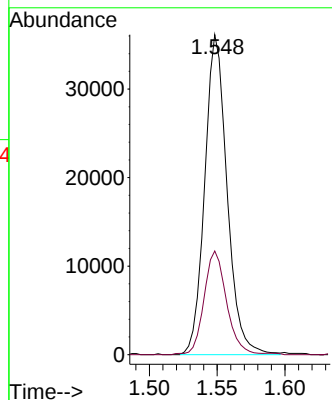
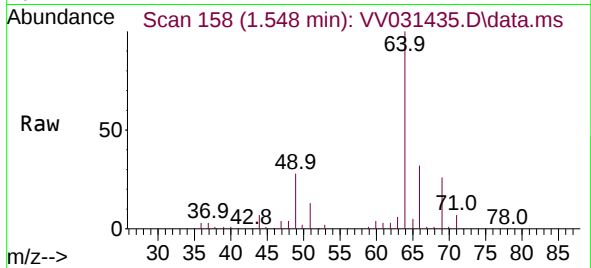




#8
Chloroethane
Concen: 50.622 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

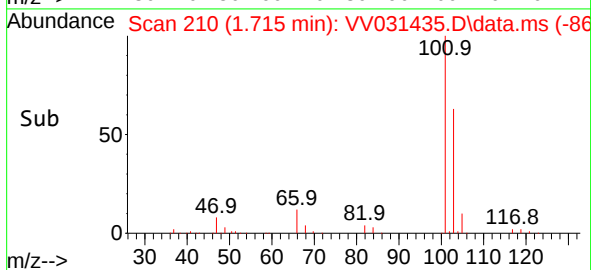
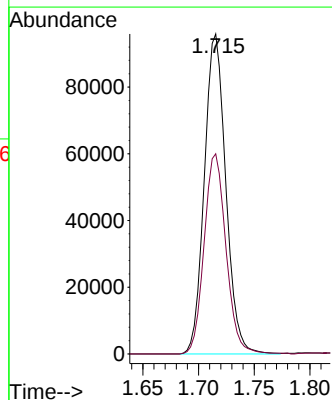
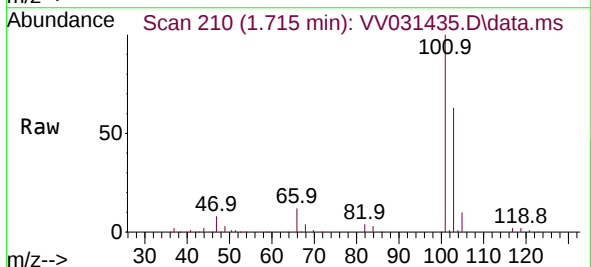
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VSTD050362

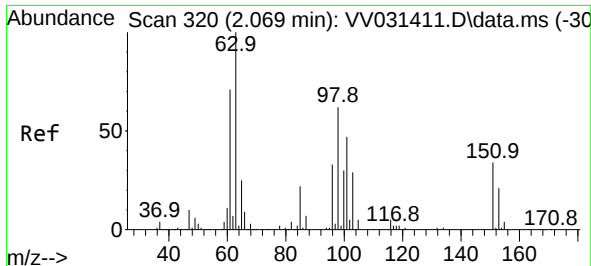
Tgt Ion: 64 Resp: 41552
Ion Ratio Lower Upper
64 100
66 32.4 21.4 39.8



#9
Trichlorofluoromethane
Concen: 52.276 ug/L
RT: 1.715 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

Tgt Ion: 101 Resp: 128549
Ion Ratio Lower Upper
101 100
103 63.7 51.8 77.6

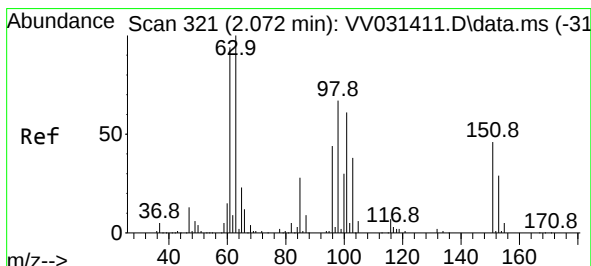
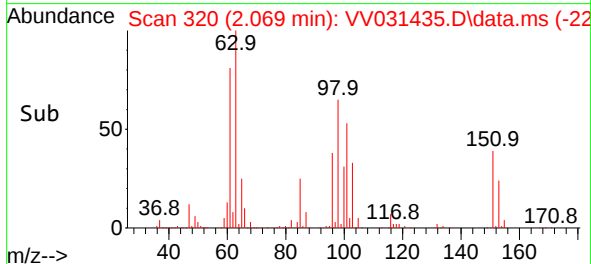
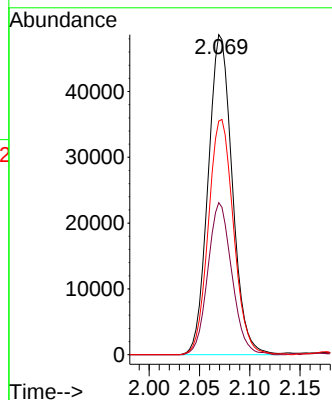
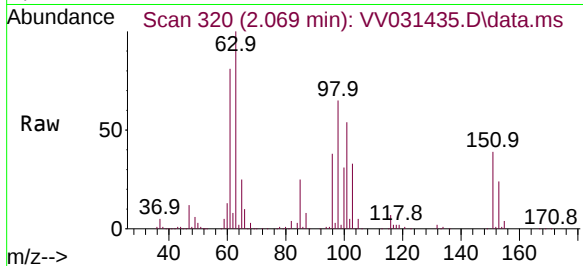




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 51.195 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV031435.D
 Acq: 08 Jun 2023 08:58

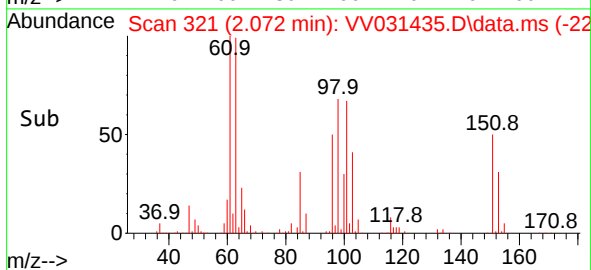
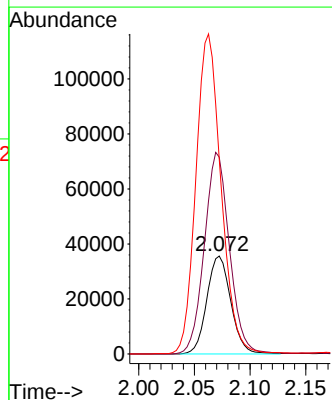
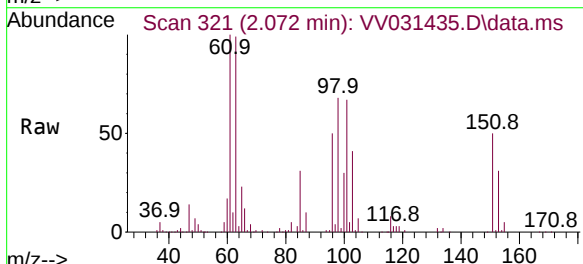
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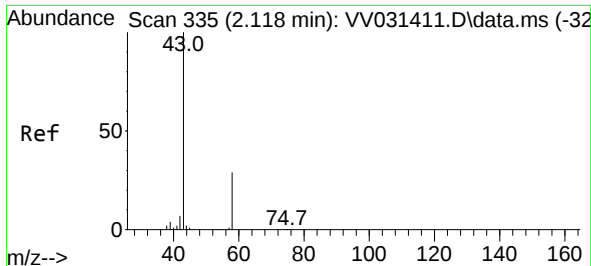
Tgt Ion:101 Resp: 81412
 Ion Ratio Lower Upper
 101 100
 85 47.1 37.3 55.9
 151 76.5 57.8 86.6



#12
 1,1-Dichloroethene
 Concen: 50.912 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV031435.D
 Acq: 08 Jun 2023 08:58

Tgt Ion: 96 Resp: 53293
 Ion Ratio Lower Upper
 96 100
 61 200.8 143.9 267.3
 63 198.7 158.3 293.9





#13

Acetone

Concen: 72.330 ug/L

RT: 2.121 min Scan# 336

Delta R.T. 0.003 min

Lab File: VV031435.D

Acq: 08 Jun 2023 08:58

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MSVOA_V

ClientSampleId :

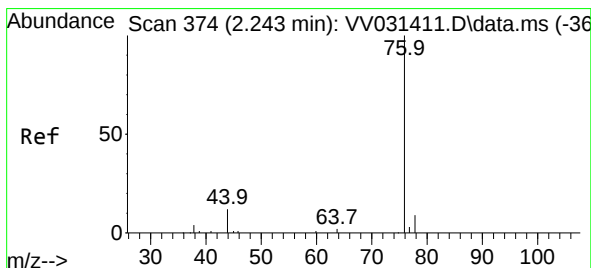
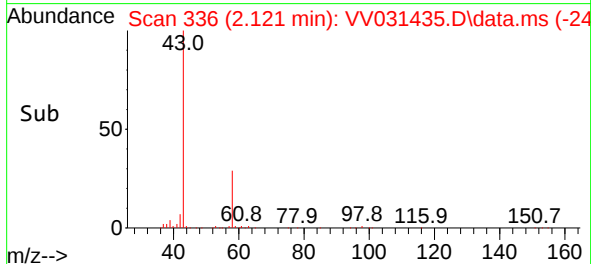
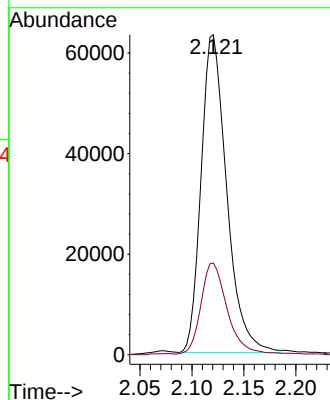
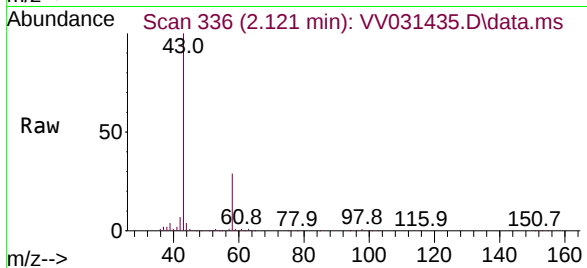
VSTD050362

Tgt Ion: 43 Resp: 107955

Ion Ratio Lower Upper

43 100

58 29.1 0.0 61.0



#14

Carbon disulfide

Concen: 44.674 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.000 min

Lab File: VV031435.D

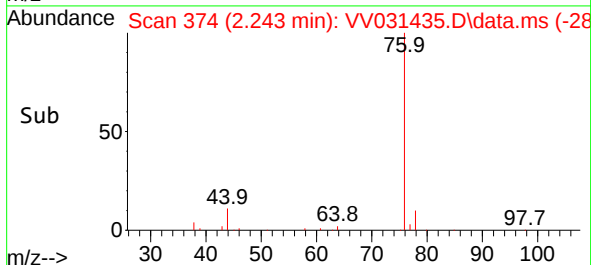
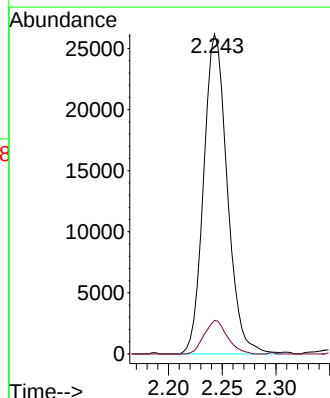
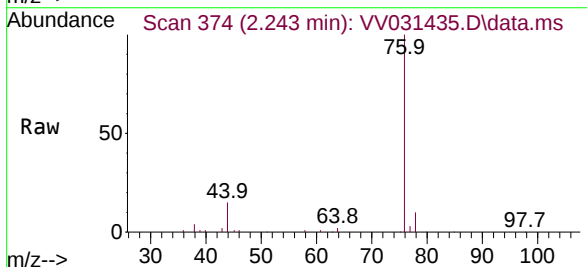
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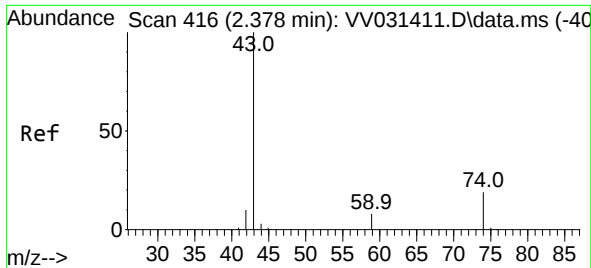
Tgt Ion: 76 Resp: 40001

Ion Ratio Lower Upper

76 100

78 10.5 7.9 11.9

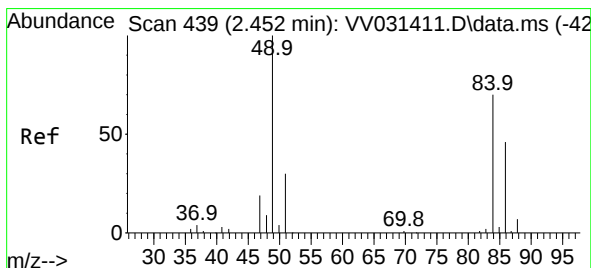
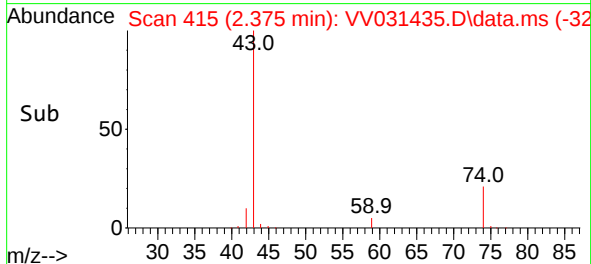
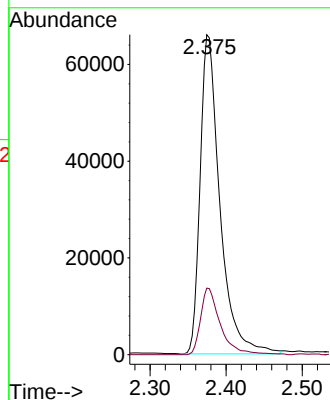
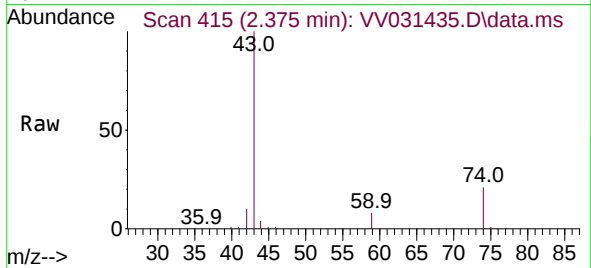




#15
Methyl Acetate
Concen: 52.900 ug/L
RT: 2.375 min Scan# 416
Delta R.T. -0.003 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

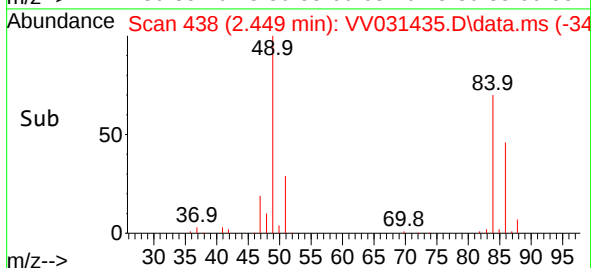
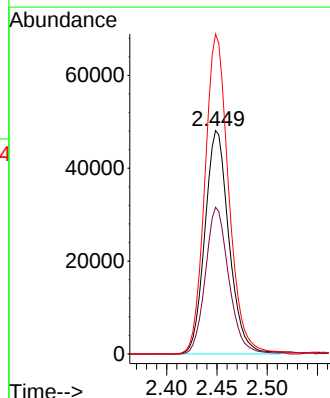
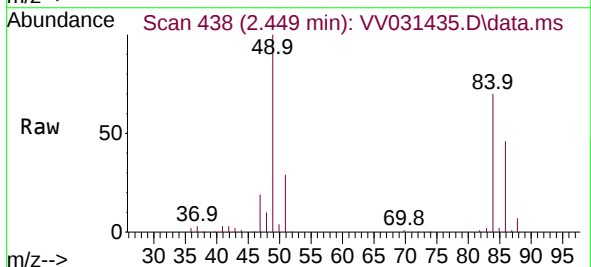
Instrument :
MSVOA_V
ClientSampleId :
VSTD050362

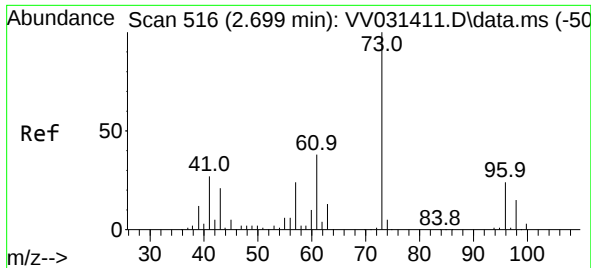
Tgt Ion: 43 Resp: 119227
Ion Ratio Lower Upper
43 100
74 20.8 16.0 24.0



#16
Methylene chloride
Concen: 50.871 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.003 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

Tgt Ion: 84 Resp: 80382
Ion Ratio Lower Upper
84 100
86 65.7 46.1 85.5
49 143.3 102.7 190.7

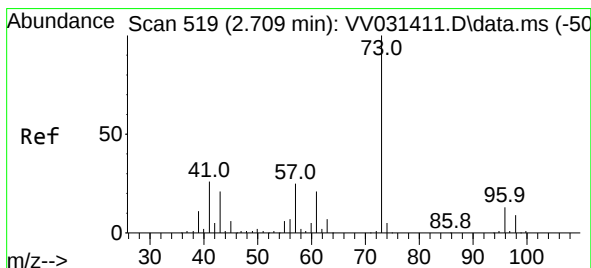
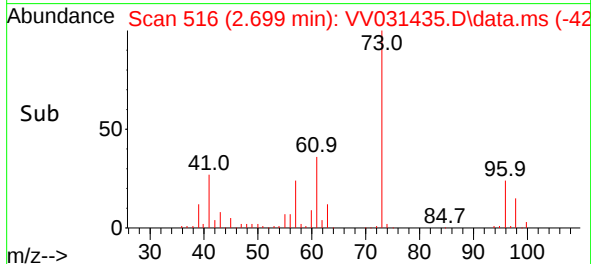
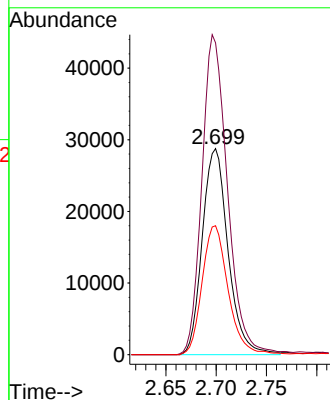
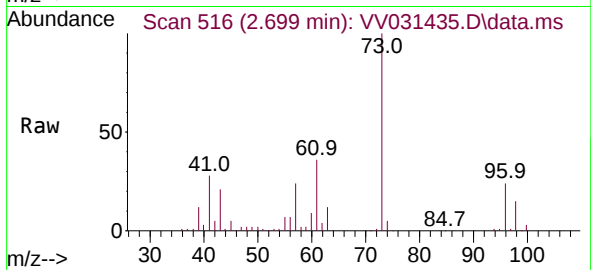




#17
trans-1,2-Dichloroethene
Concen: 51.842 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

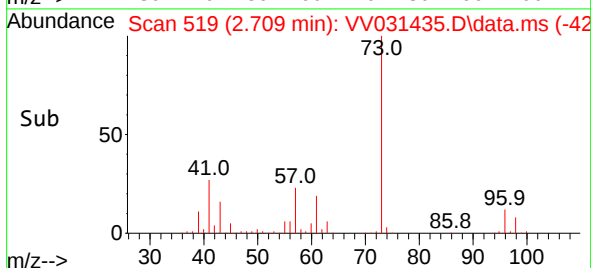
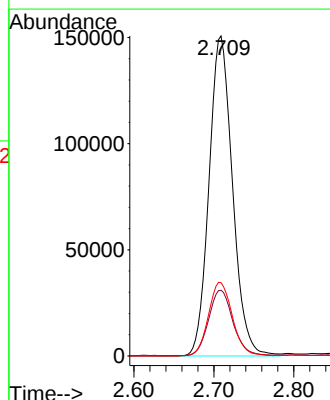
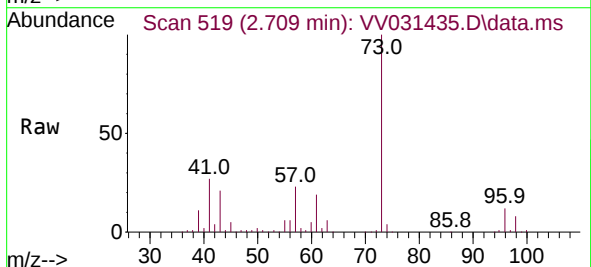
Instrument :
MSVOA_V
ClientSampleId :
VSTD050362

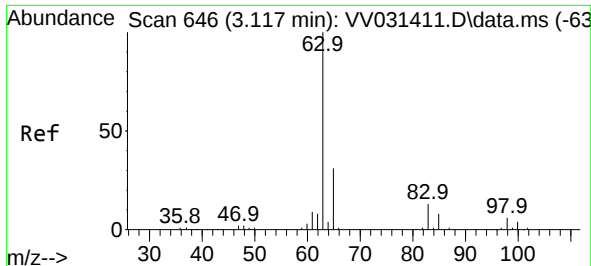
Tgt Ion: 96 Resp: 51451
Ion Ratio Lower Upper
96 100
61 151.4 106.9 198.5
98 62.6 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 50.452 ug/L
RT: 2.709 min Scan# 519
Delta R.T. -0.000 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

Tgt Ion: 73 Resp: 307775
Ion Ratio Lower Upper
73 100
43 21.1 16.6 25.0
57 23.5 18.6 28.0





#19

1,1-Dichloroethane

Concen: 52.107 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV031435.D

Acq: 08 Jun 2023 08:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD050362

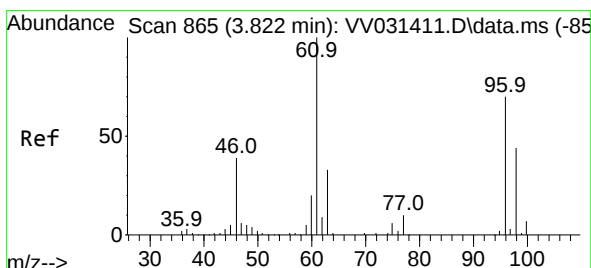
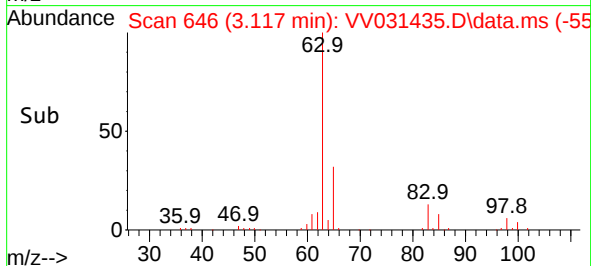
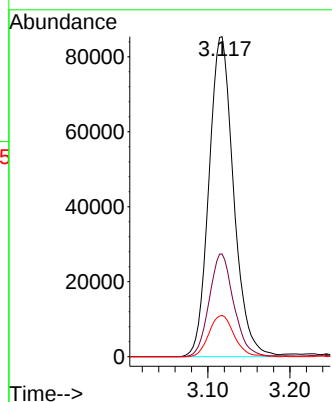
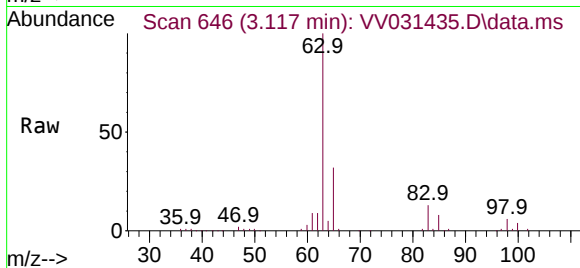
Tgt Ion: 63 Resp: 178884

Ion Ratio Lower Upper

63 100

65 32.1 21.4 39.8

83 12.9 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 51.326 ug/L

RT: 3.821 min Scan# 865

Delta R.T. -0.000 min

Lab File: VV031435.D

Acq: 08 Jun 2023 08:58

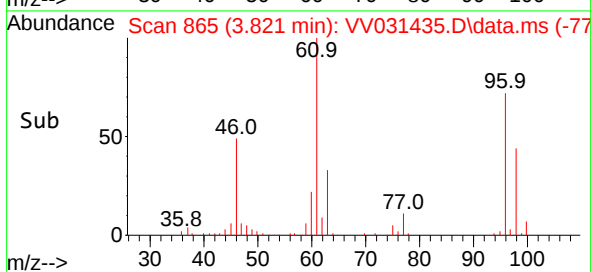
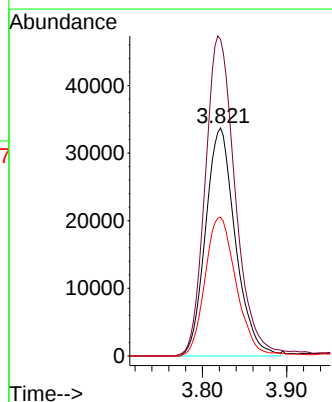
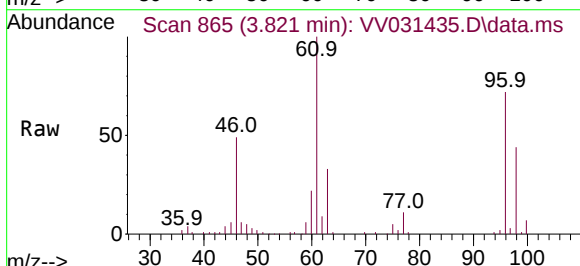
Tgt Ion: 96 Resp: 82817

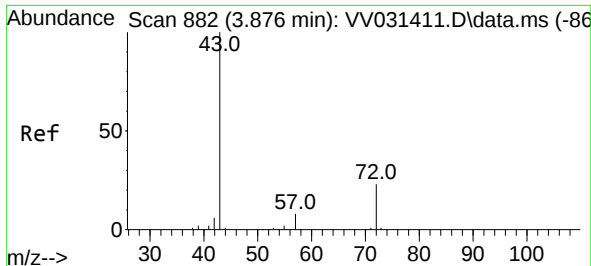
Ion Ratio Lower Upper

96 100

61 138.9 101.6 188.6

98 60.9 44.4 82.4

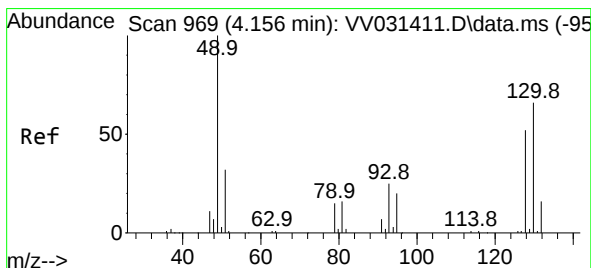
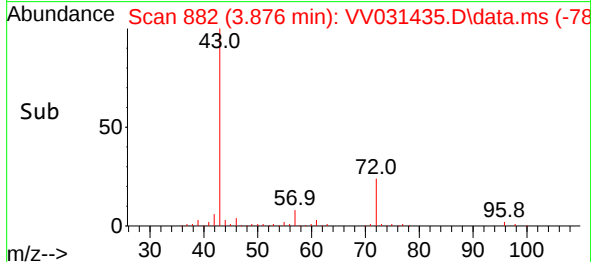
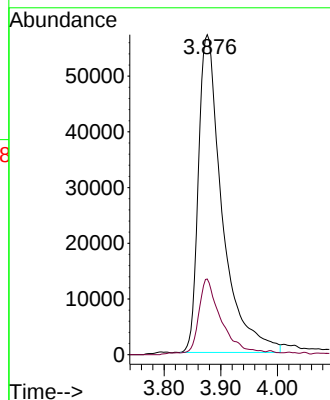
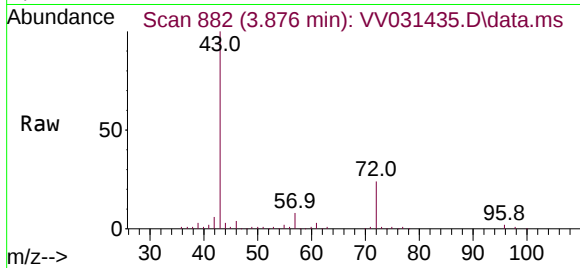




#22
2-Butanone
Concen: 90.716 ug/L
RT: 3.876 min Scan# 882
Delta R.T. -0.000 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

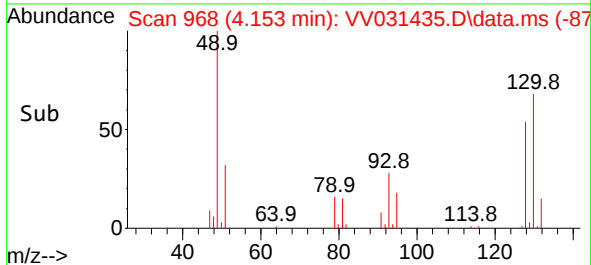
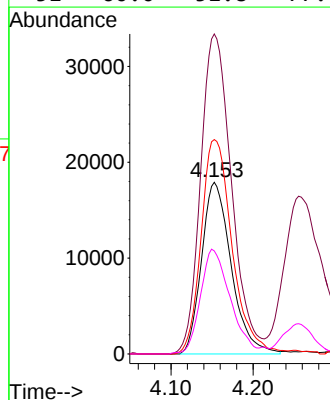
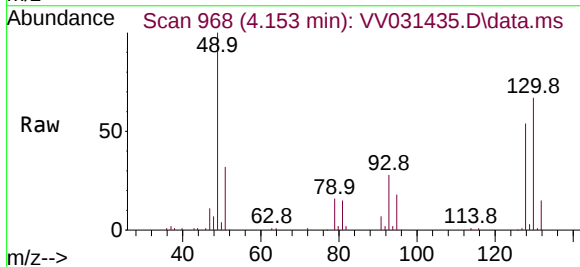
Instrument :
MSVOA_V
ClientSampleId :
VSTD050362

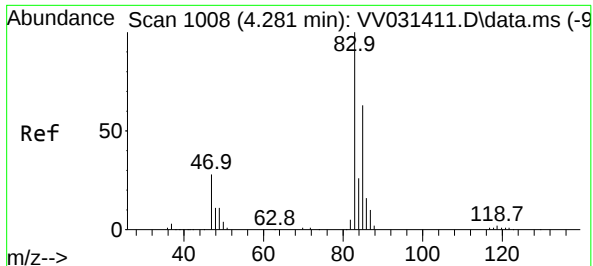
Tgt Ion: 43 Resp: 166411
Ion Ratio Lower Upper
43 100
72 22.1 10.4 31.4



#23
Bromochloromethane
Concen: 53.030 ug/L
RT: 4.153 min Scan# 968
Delta R.T. -0.003 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

Tgt Ion:128 Resp: 44996
Ion Ratio Lower Upper
128 100
49 186.4 138.2 256.6
130 124.9 91.4 169.8
51 60.0 51.8 77.6





#25

Chloroform

Concen: 52.669 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. -0.000 min

Lab File: VV031435.D

Acq: 08 Jun 2023 08:58

Instrument :

MSVOA_V

ClientSampleId :

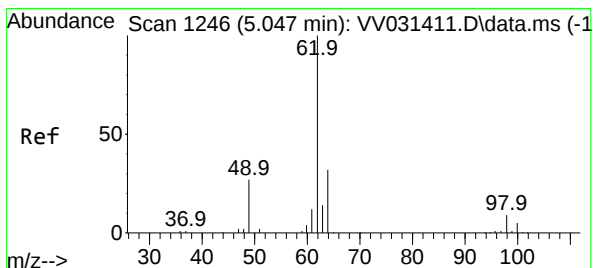
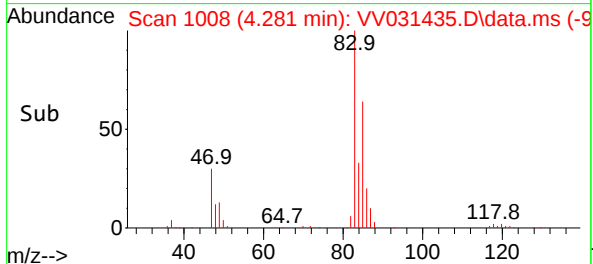
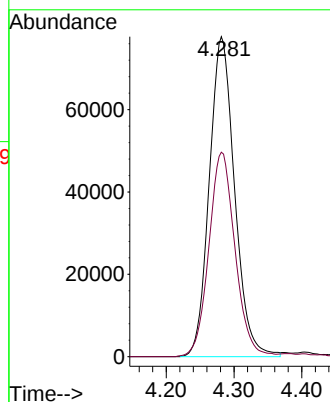
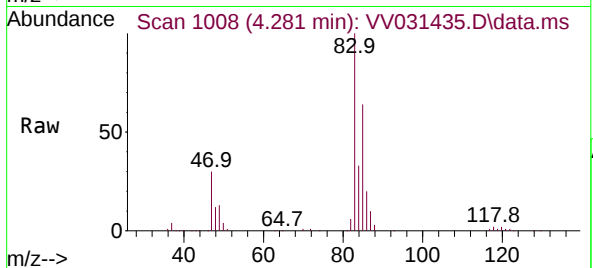
VSTD050362

Tgt Ion: 83 Resp: 201626

Ion Ratio Lower Upper

83 100

85 63.9 43.9 81.5



#27

1,2-Dichloroethane

Concen: 54.206 ug/L

RT: 5.046 min Scan# 1246

Delta R.T. -0.000 min

Lab File: VV031435.D

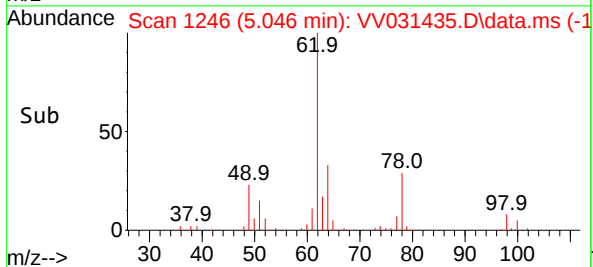
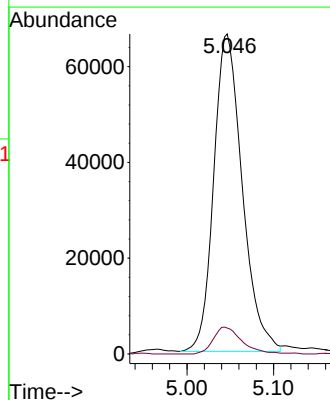
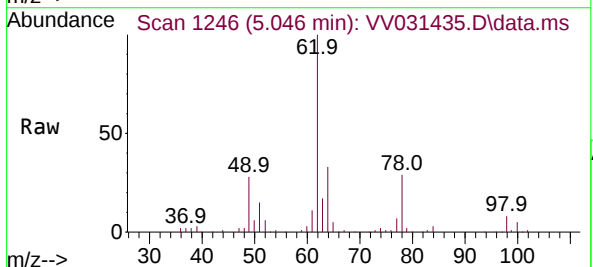
Acq: 08 Jun 2023 08:58

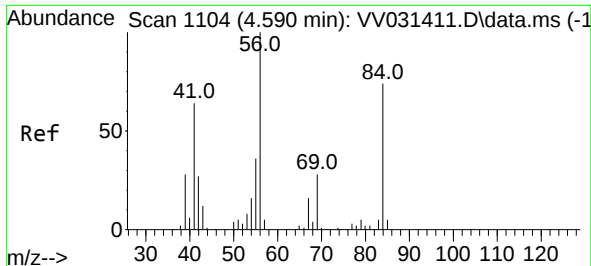
Tgt Ion: 62 Resp: 151522

Ion Ratio Lower Upper

62 100

98 8.1 6.2 9.4

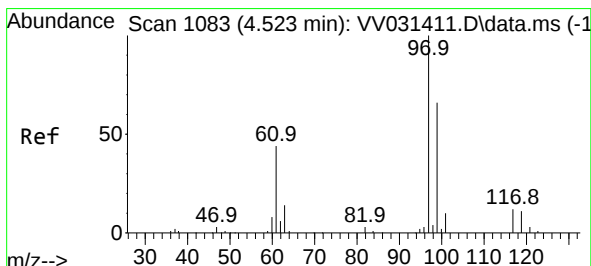
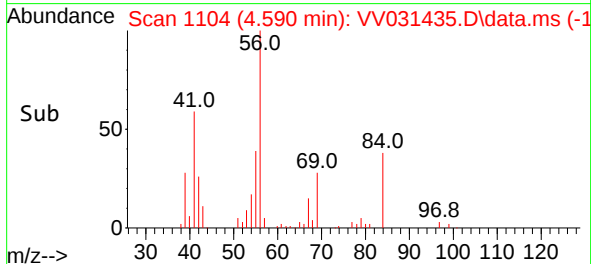
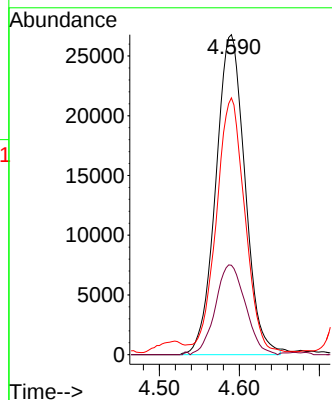
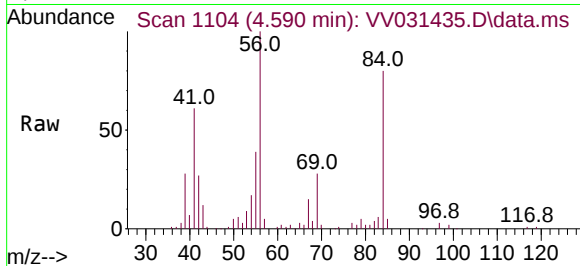




#29
Cyclohexane
Concen: 47.681 ug/L
RT: 4.590 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

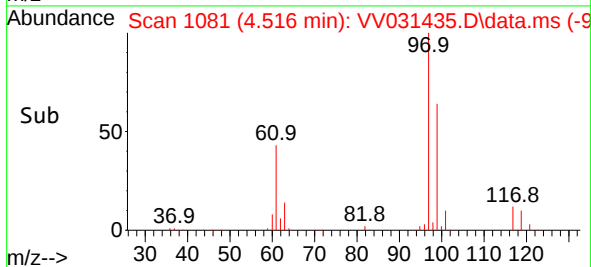
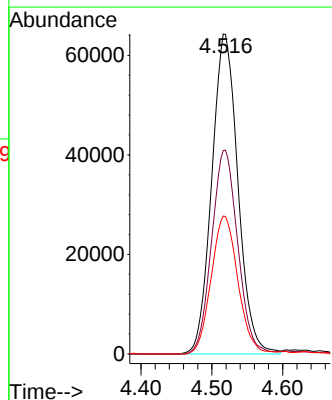
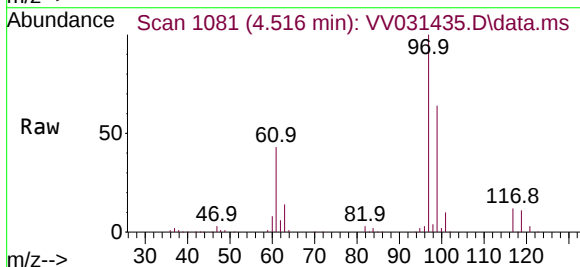
Instrument :
MSVOA_V
ClientSampleId :
VSTD050362

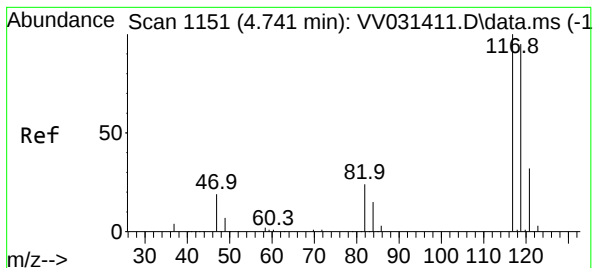
Tgt Ion: 56 Resp: 67807
Ion Ratio Lower Upper
56 100
69 28.8 23.5 35.3
84 77.4 61.3 91.9



#30
1,1,1-Trichloroethane
Concen: 52.700 ug/L
RT: 4.516 min Scan# 1081
Delta R.T. -0.007 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

Tgt Ion: 97 Resp: 165176
Ion Ratio Lower Upper
97 100
99 63.6 51.9 77.9
61 44.0 36.1 54.1





#31

Carbon tetrachloride

Concen: 51.011 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. -0.000 min

Lab File: VV031435.D

Acq: 08 Jun 2023 08:58

Instrument :

MSVOA_V

ClientSampleId :

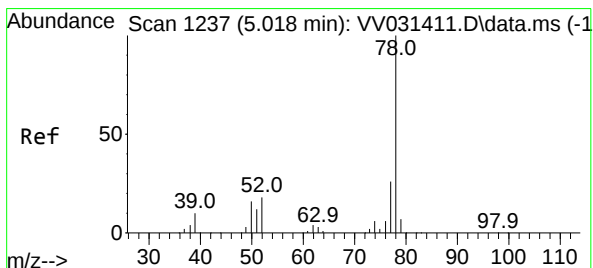
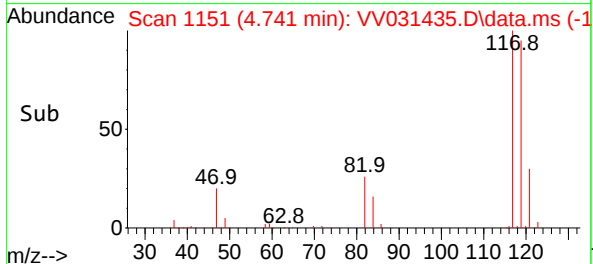
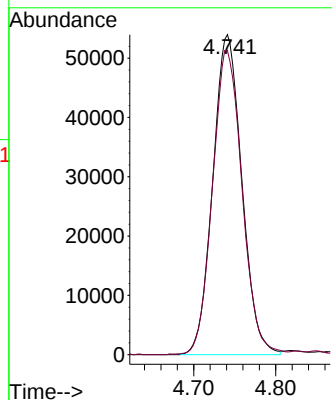
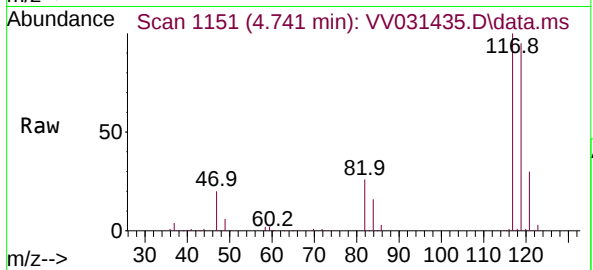
VSTD050362

Tgt Ion:117 Resp: 132815

Ion Ratio Lower Upper

117 100

119 97.0 75.8 113.6



#33

Benzene

Concen: 52.860 ug/L

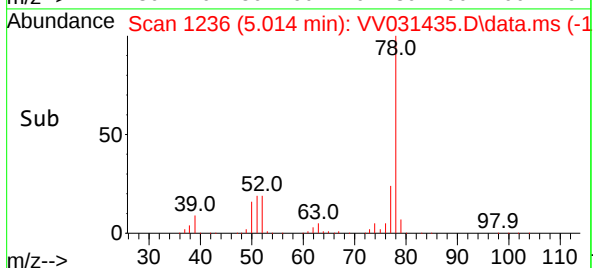
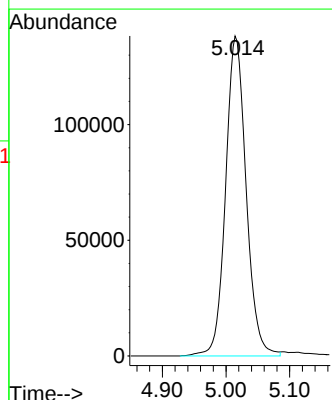
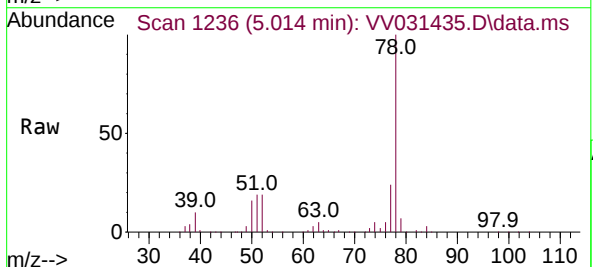
RT: 5.014 min Scan# 1236

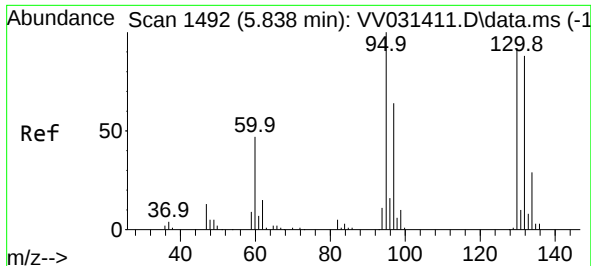
Delta R.T. -0.003 min

Lab File: VV031435.D

Acq: 08 Jun 2023 08:58

Tgt Ion: 78 Resp: 309696

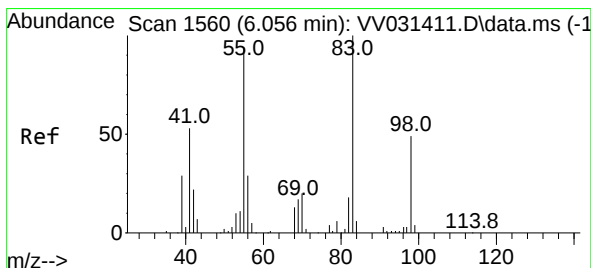
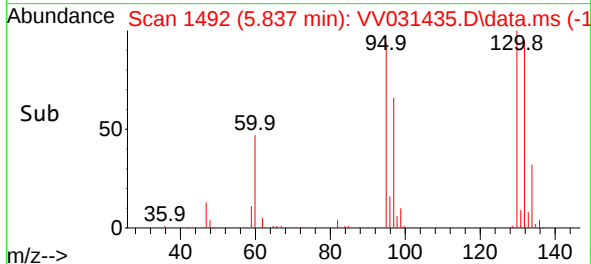
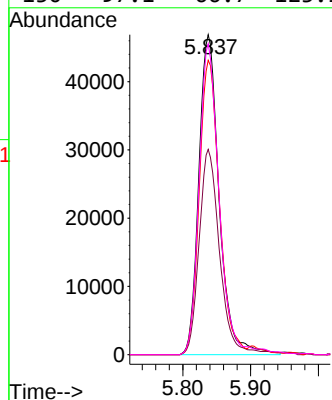
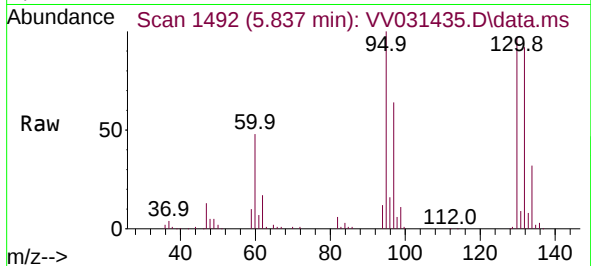




#34
Trichloroethene
Concen: 52.974 ug/L
RT: 5.837 min Scan# 1492
Delta R.T. -0.000 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

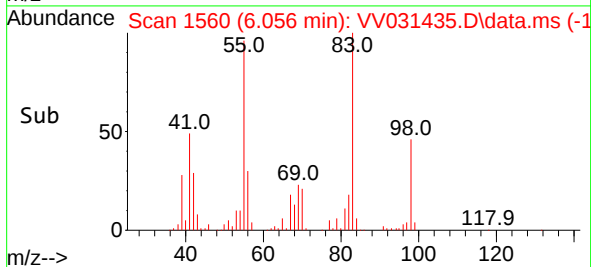
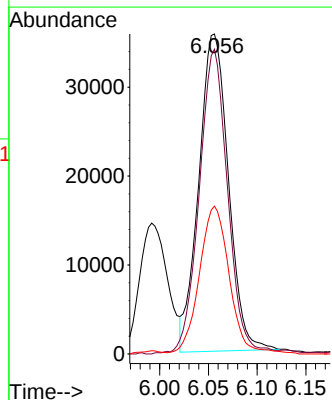
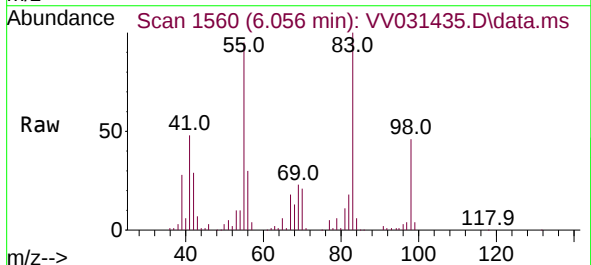
Instrument :
MSVOA_V
ClientSampleId :
VSTD050362

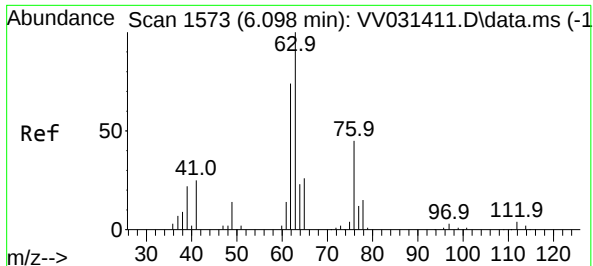
Tgt Ion: 95 Resp: 97782
Ion Ratio Lower Upper
95 100
97 64.1 44.2 82.0
132 92.0 64.2 119.2
130 97.1 66.7 123.9



#35
Methylcyclohexane
Concen: 47.770 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.000 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

Tgt Ion: 83 Resp: 75413
Ion Ratio Lower Upper
83 100
55 90.1 73.9 110.9
98 47.3 37.0 55.4

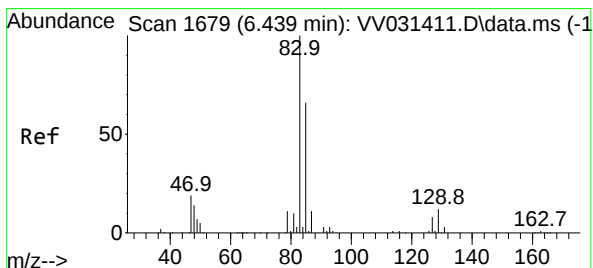
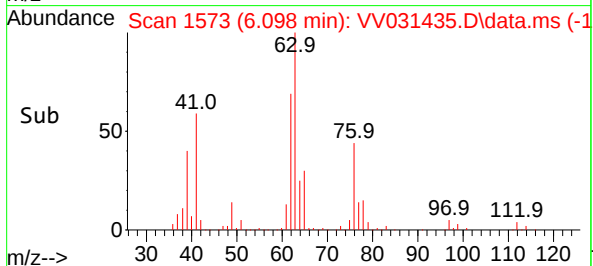
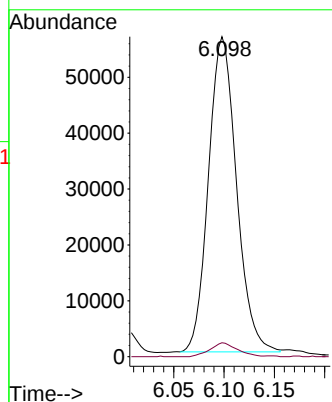
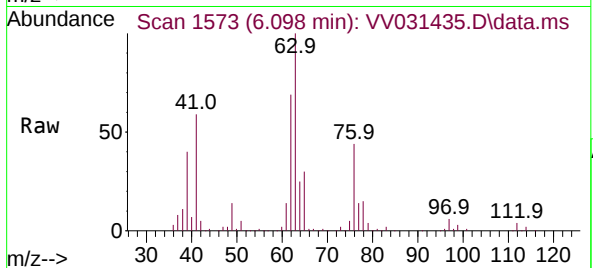




#37
1,2-Dichloropropane
Concen: 51.885 ug/L
RT: 6.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

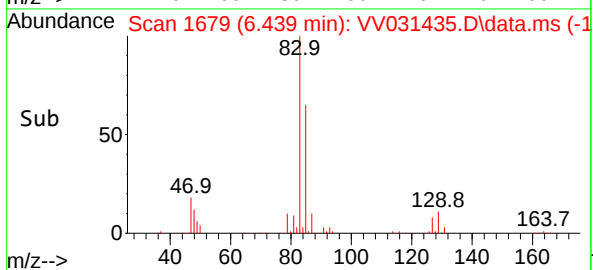
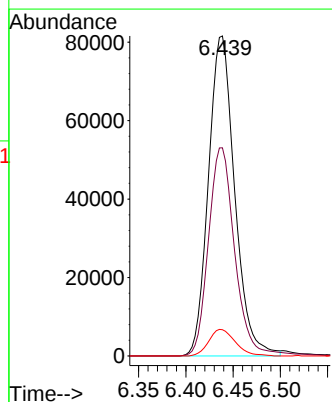
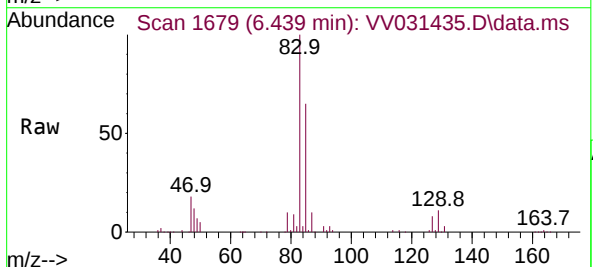
Instrument :
MSVOA_V
ClientSampleId :
VSTD050362

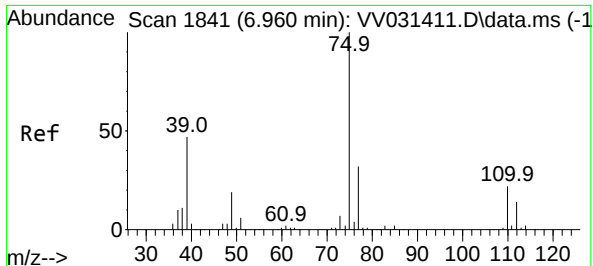
Tgt Ion: 63 Resp: 109417
Ion Ratio Lower Upper
63 100
112 4.3 3.3 4.9



#38
Bromodichloromethane
Concen: 51.164 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

Tgt Ion: 83 Resp: 157920
Ion Ratio Lower Upper
83 100
85 65.1 43.2 80.2
127 8.2 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 48.352 ug/L

RT: 6.960 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV031435.D

Acq: 08 Jun 2023 08:58

Instrument :

MSVOA_V

ClientSampleId :

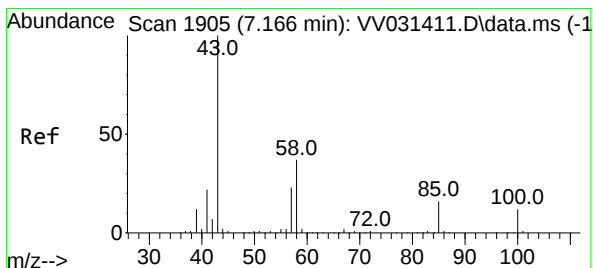
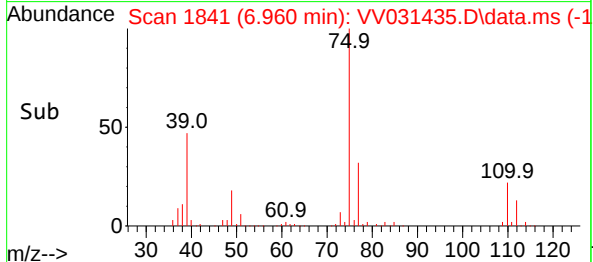
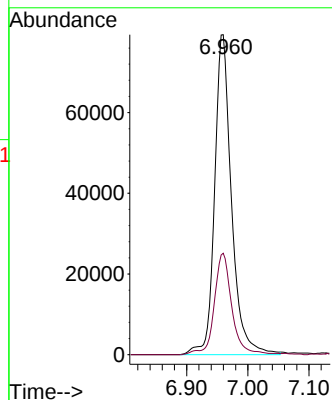
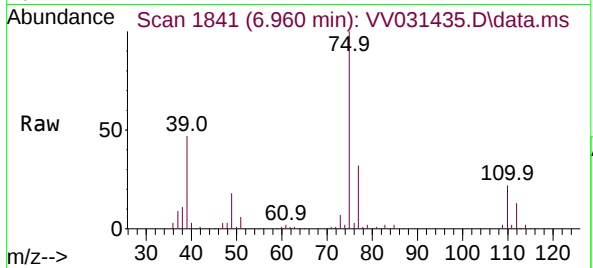
VSTD050362

Tgt Ion: 75 Resp: 152340

Ion Ratio Lower Upper

75 100

77 31.7 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 107.161 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. -0.003 min

Lab File: VV031435.D

Acq: 08 Jun 2023 08:58

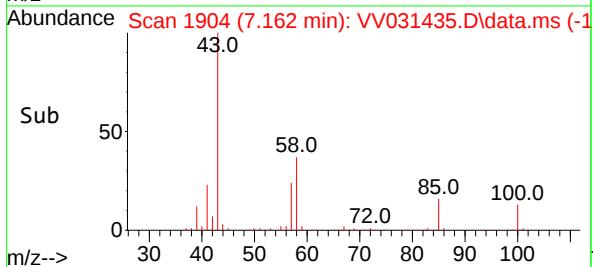
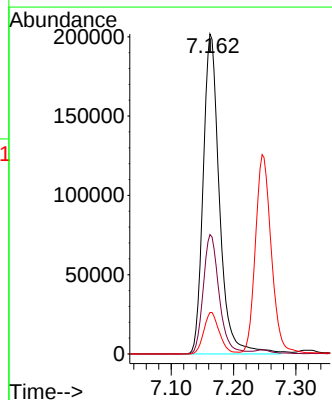
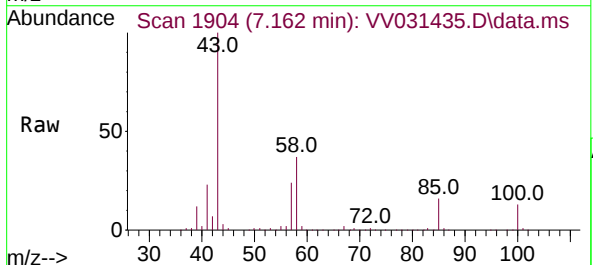
Tgt Ion: 43 Resp: 367102

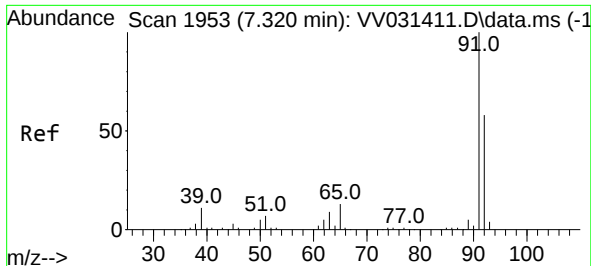
Ion Ratio Lower Upper

43 100

58 36.4 29.9 44.9

100 12.5 10.3 15.5





#42

Toluene

Concen: 54.925 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VV031435.D

Acq: 08 Jun 2023 08:58

Instrument :

MSVOA_V

ClientSampleId :

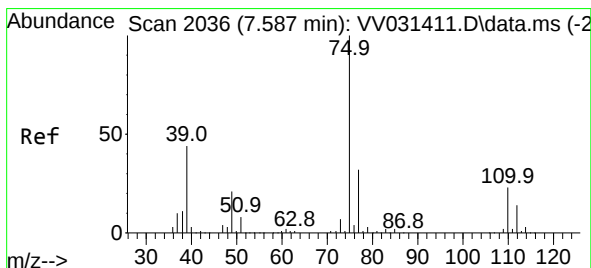
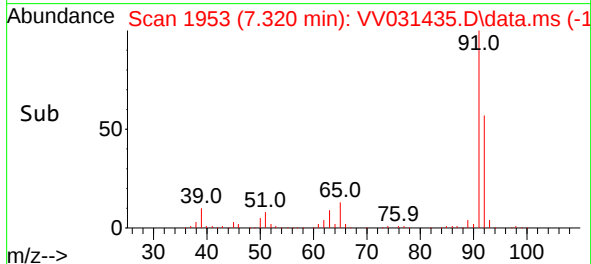
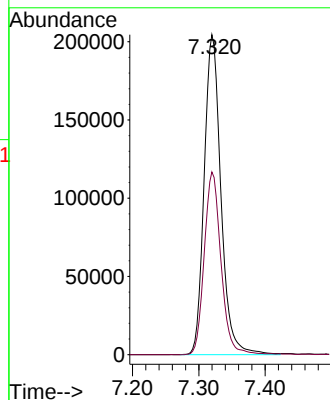
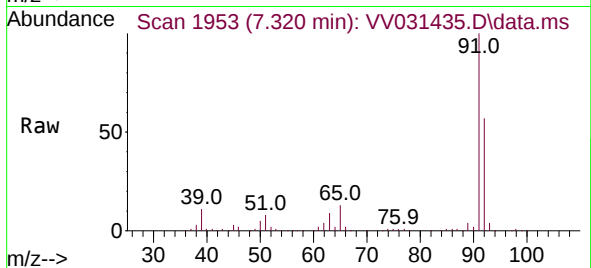
VSTD050362

Tgt Ion: 91 Resp: 360189

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 50.697 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.000 min

Lab File: VV031435.D

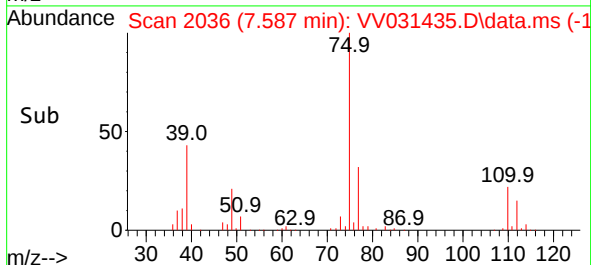
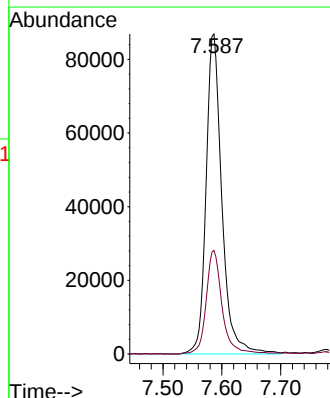
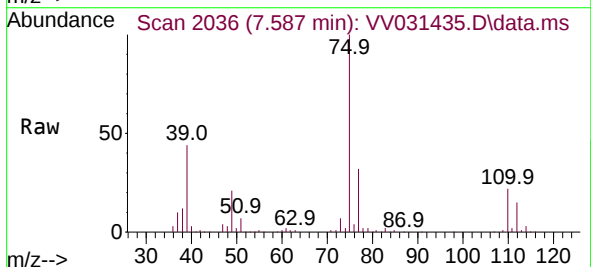
Acq: 08 Jun 2023 08:58

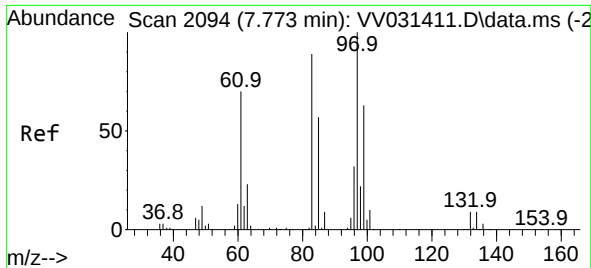
Tgt Ion: 75 Resp: 162009

Ion Ratio Lower Upper

75 100

77 32.4 22.2 41.2



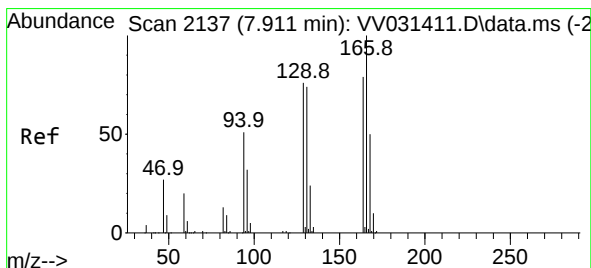
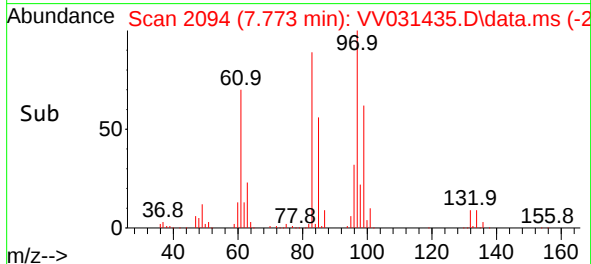
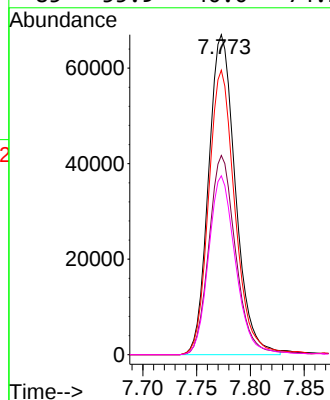
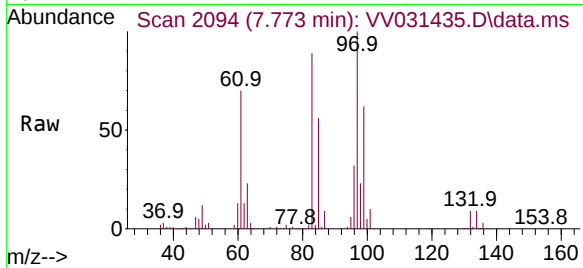


#45
1,1,2-Trichloroethane
Concen: 53.465 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. -0.000 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD050362

Tgt Ion: 97 Resp: 116541

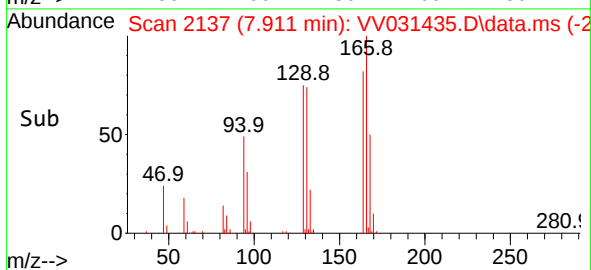
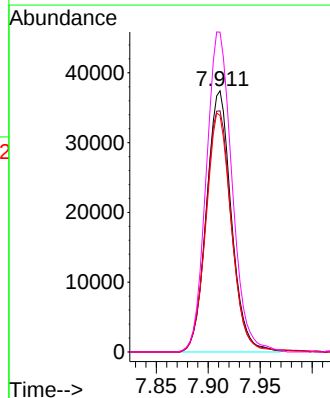
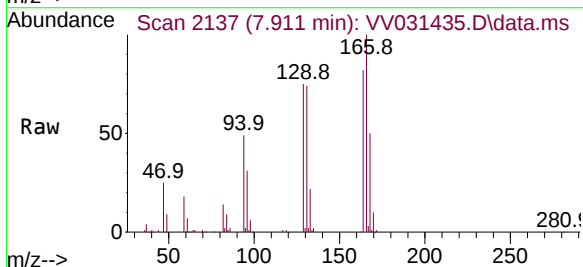
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.8	81.4
83	88.9	61.9	115.1
85	55.9	40.0	74.2

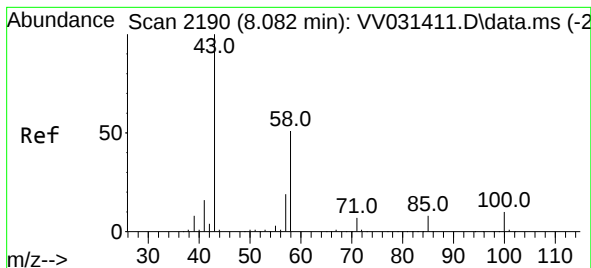


#46
Tetrachloroethene
Concen: 52.202 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

Tgt Ion: 164 Resp: 62554

Ion	Ratio	Lower	Upper
164	100		
129	92.3	68.0	126.4
131	90.6	65.5	121.7
166	122.5	90.5	168.1





#48

2-Hexanone

Concen: 107.893 ug/L

RT: 8.082 min Scan# 2190

Delta R.T. -0.000 min

Lab File: VV031435.D

Acq: 08 Jun 2023 08:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD050362

Tgt Ion: 43 Resp: 289311

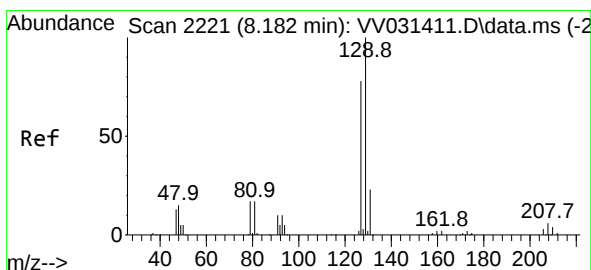
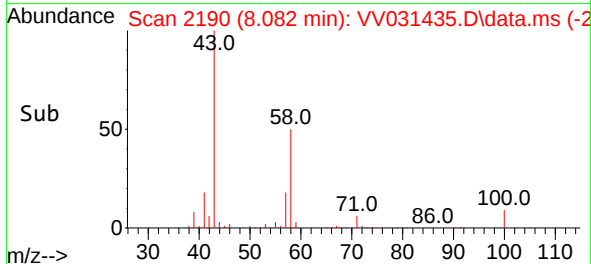
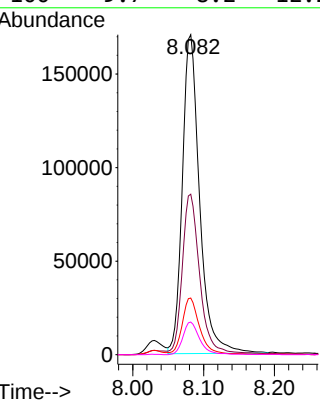
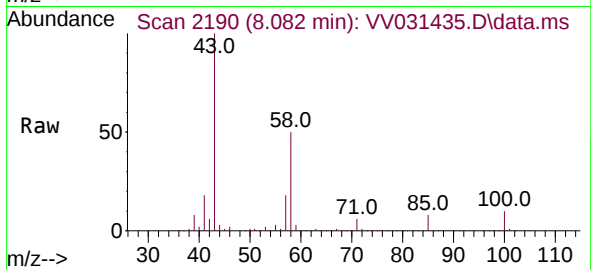
Ion Ratio Lower Upper

43 100

58 51.1 42.9 64.3

57 17.2 14.6 22.0

100 9.7 8.2 12.2



#49

Dibromochloromethane

Concen: 53.260 ug/L

RT: 8.181 min Scan# 2221

Delta R.T. -0.000 min

Lab File: VV031435.D

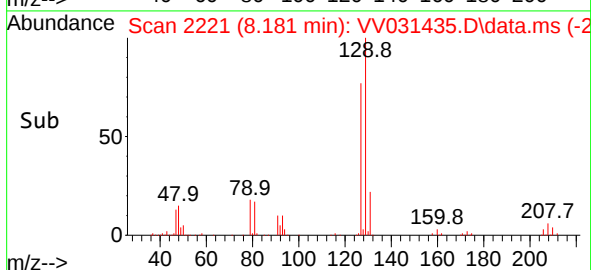
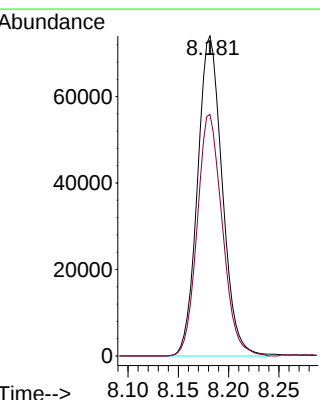
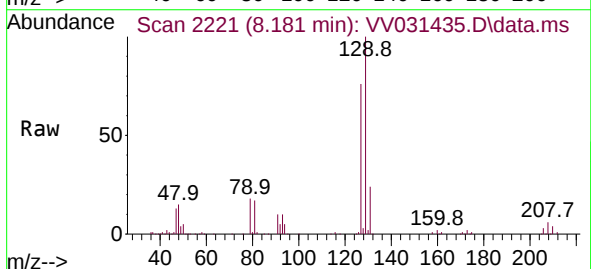
Acq: 08 Jun 2023 08:58

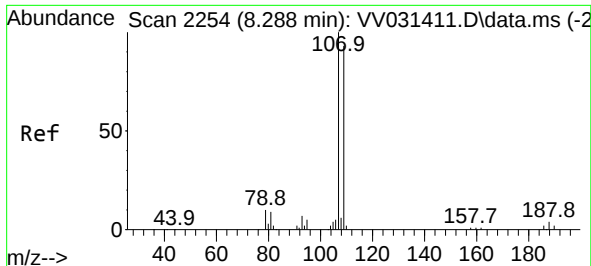
Tgt Ion:129 Resp: 126642

Ion Ratio Lower Upper

129 100

127 75.5 55.5 103.1





#50

1,2-Dibromoethane

Concen: 52.463 ug/L

RT: 8.287 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031435.D

Acq: 08 Jun 2023 08:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD050362

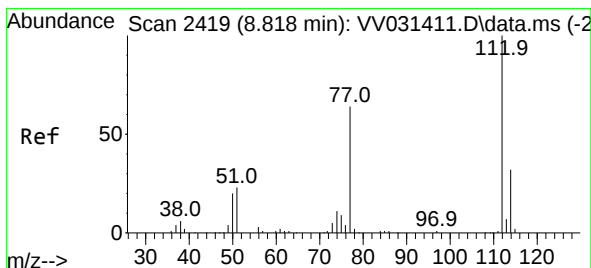
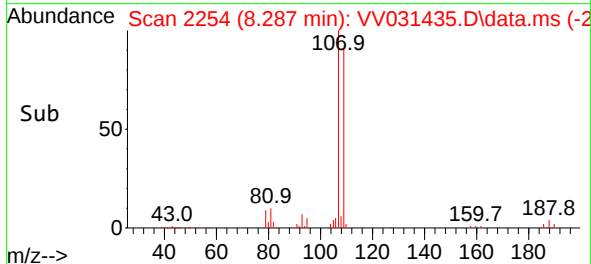
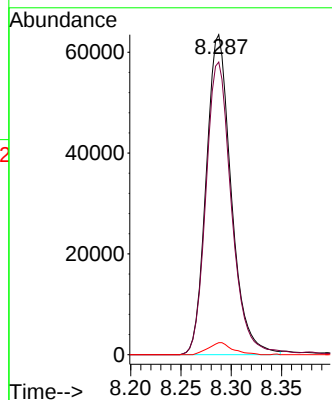
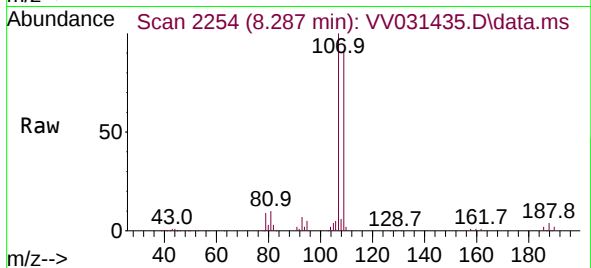
Tgt Ion:107 Resp: 110093

Ion Ratio Lower Upper

107 100

109 91.4 64.1 119.1

188 3.7 3.3 4.9



#51

Chlorobenzene

Concen: 52.025 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.000 min

Lab File: VV031435.D

Acq: 08 Jun 2023 08:58

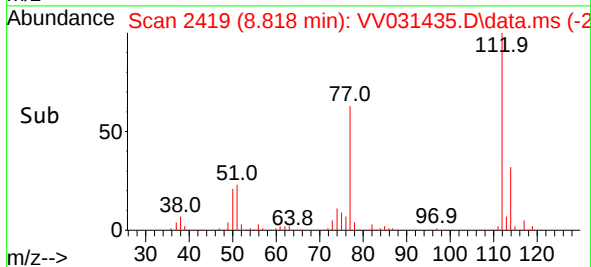
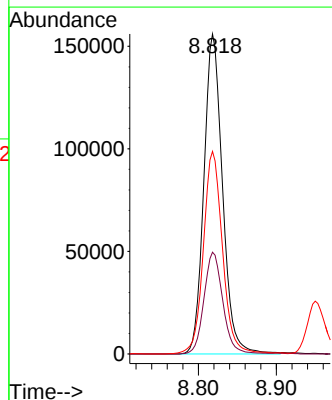
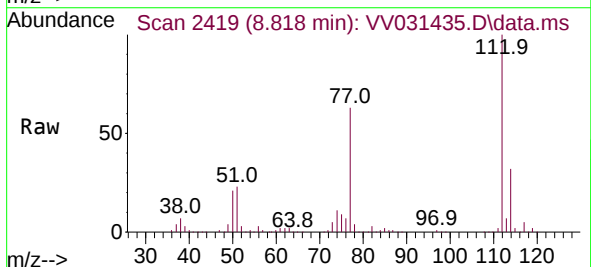
Tgt Ion:112 Resp: 259413

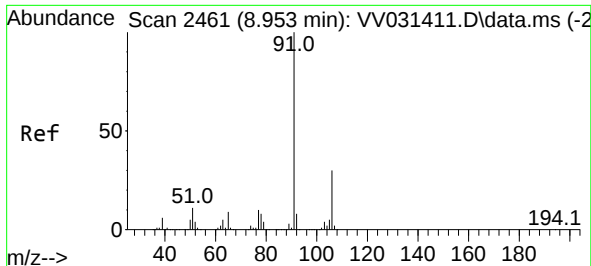
Ion Ratio Lower Upper

112 100

114 31.8 22.4 41.6

77 63.3 52.4 78.6

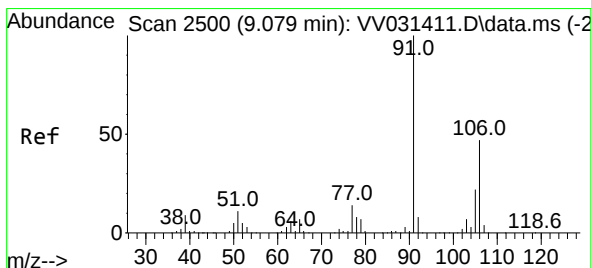
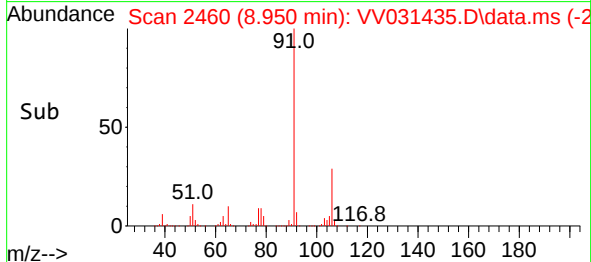
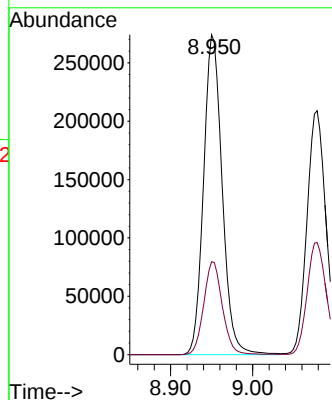
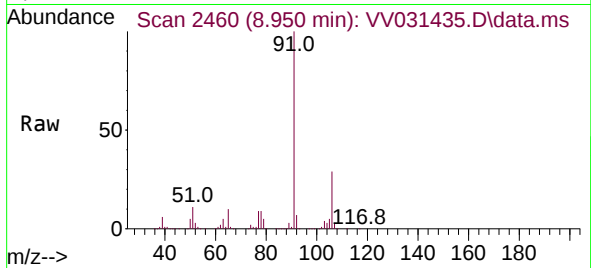




#52
Ethylbenzene
Concen: 52.910 ug/L
RT: 8.950 min Scan# 2461
Delta R.T. -0.003 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

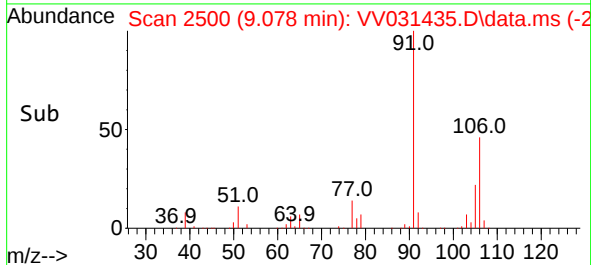
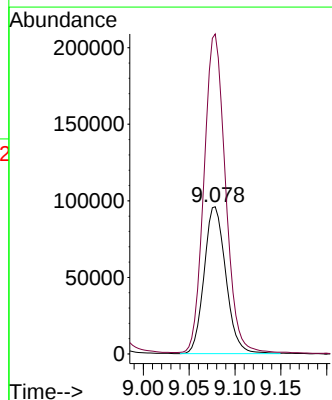
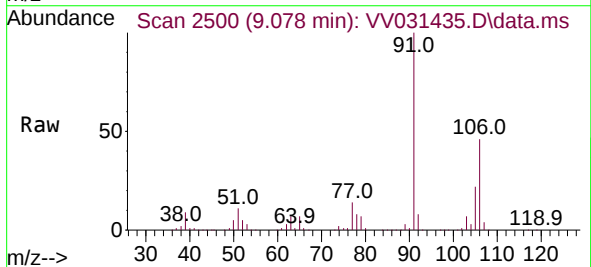
Instrument :
MSVOA_V
ClientSampleId :
VSTD050362

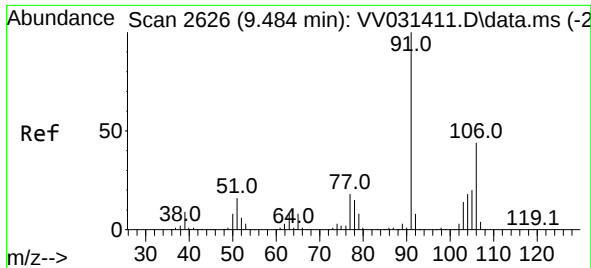
Tgt Ion: 91 Resp: 431820
Ion Ratio Lower Upper
91 100
106 29.0 20.4 38.0



#53
m,p-Xylene
Concen: 53.621 ug/L
RT: 9.078 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

Tgt Ion:106 Resp: 157706
Ion Ratio Lower Upper
106 100
91 217.4 149.4 277.5

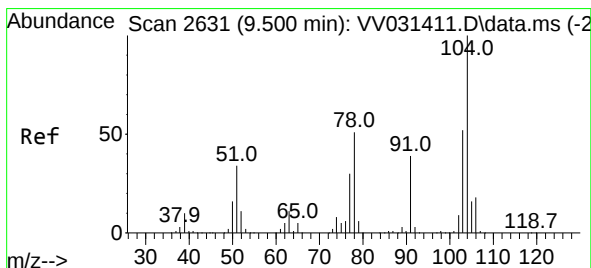
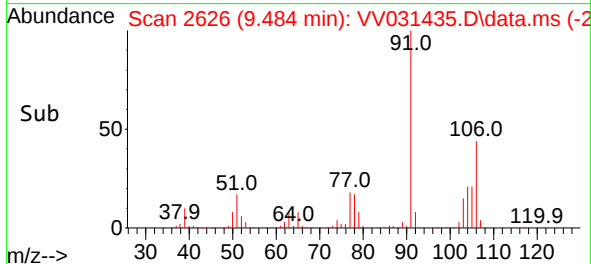
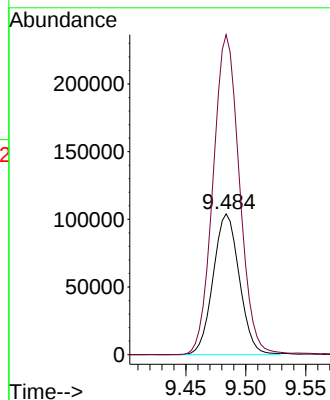
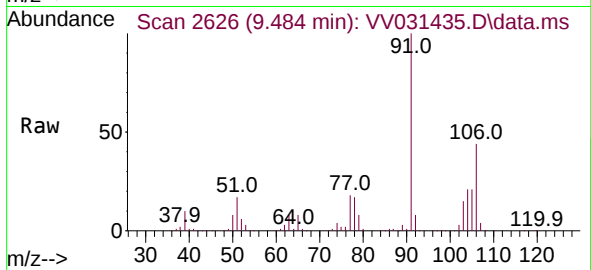




#54
o-Xylene
Concen: 53.282 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

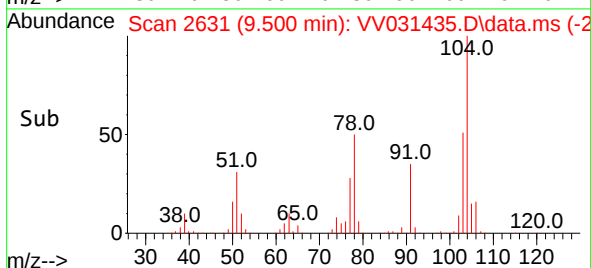
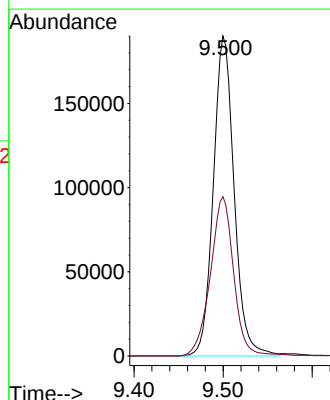
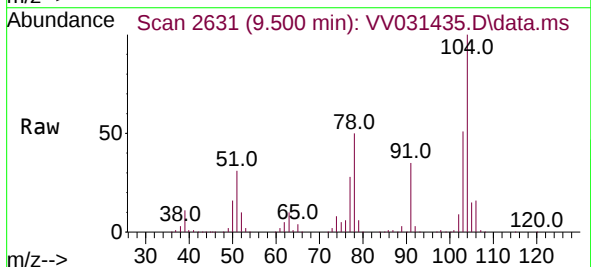
Instrument :
MSVOA_V
ClientSampleId :
VSTD050362

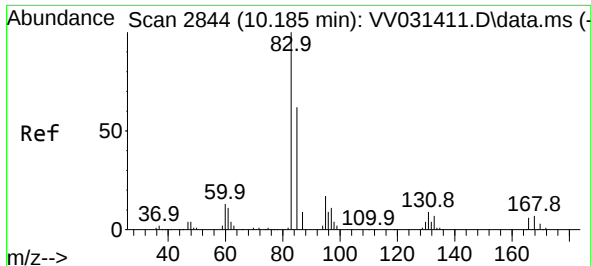
Tgt Ion:106 Resp: 158085
Ion Ratio Lower Upper
106 100
91 227.2 163.8 304.2



#55
Styrene
Concen: 57.072 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.000 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

Tgt Ion:104 Resp: 308711
Ion Ratio Lower Upper
104 100
78 49.8 35.9 66.7





#57

1,1,2,2-Tetrachloroethane

Concen: 51.038 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV031435.D

Acq: 08 Jun 2023 08:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD050362

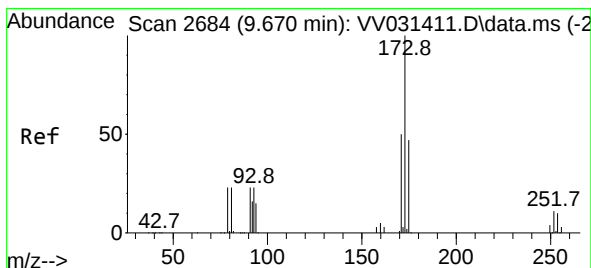
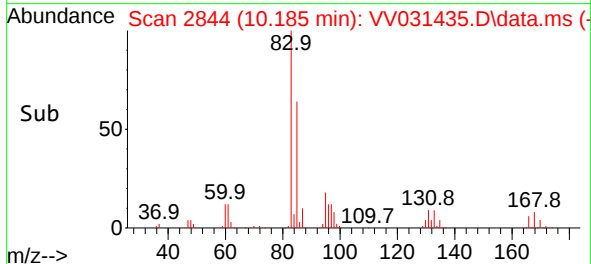
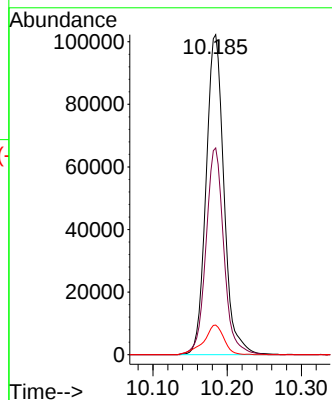
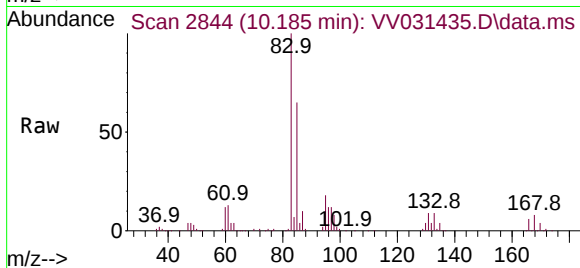
Tgt Ion: 83 Resp: 170536

Ion Ratio Lower Upper

83 100

85 64.6 43.7 81.1

131 9.2 7.3 10.9



#59

Bromoform

Concen: 48.022 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV031435.D

Acq: 08 Jun 2023 08:58

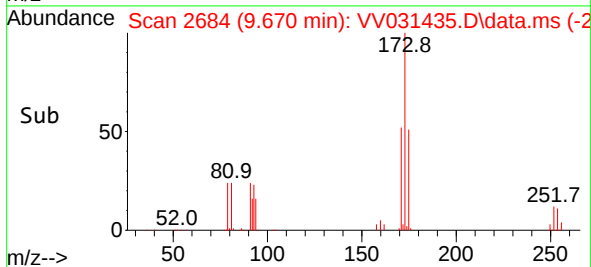
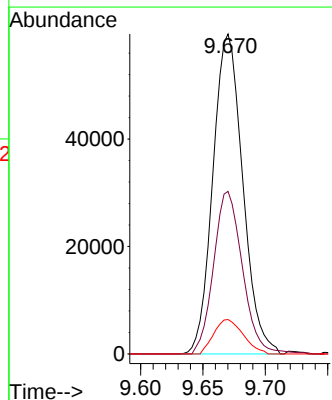
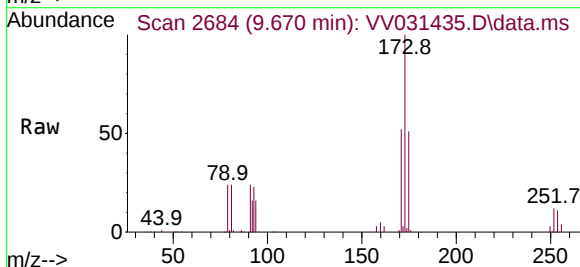
Tgt Ion: 173 Resp: 99340

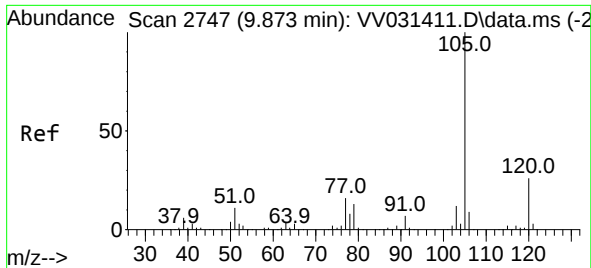
Ion Ratio Lower Upper

173 100

175 49.2 38.8 58.2

254 10.6 8.7 13.1

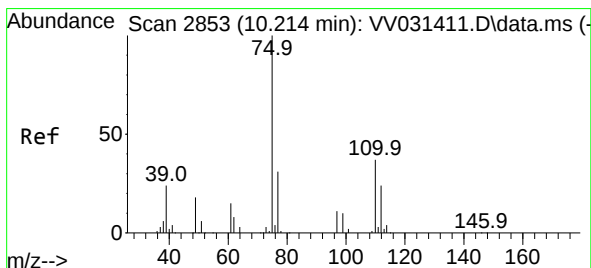
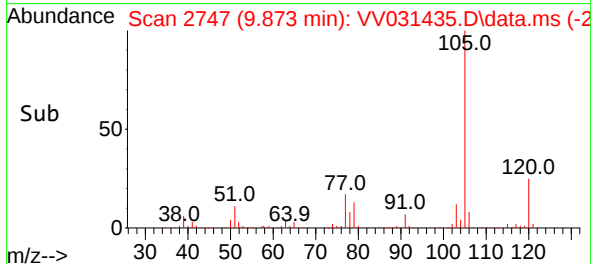
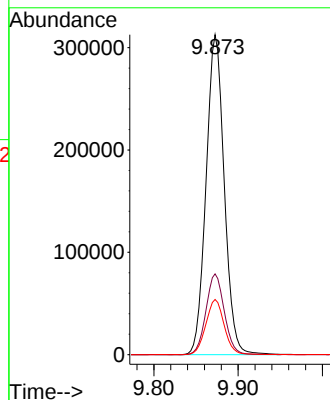
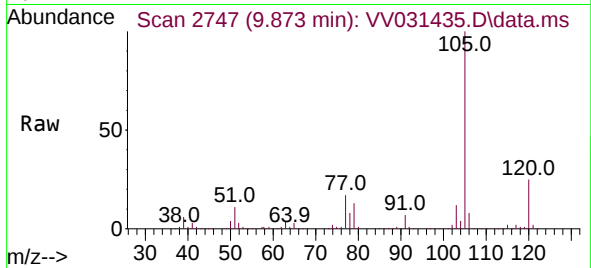




#60
Isopropylbenzene
Concen: 50.934 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

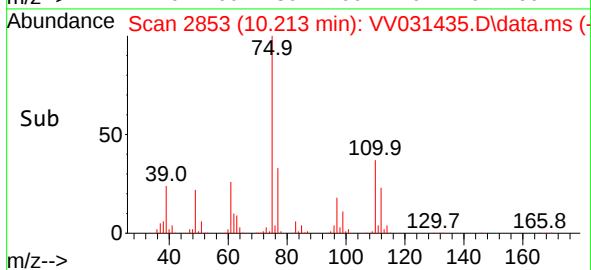
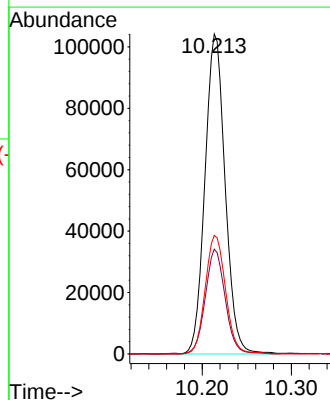
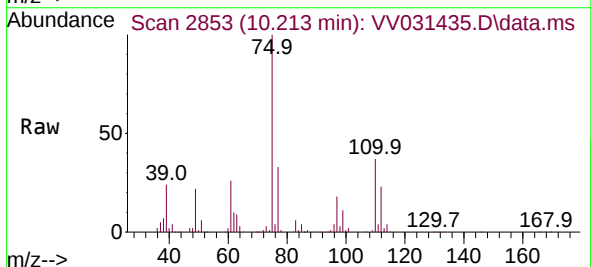
Instrument :
MSVOA_V
ClientSampleId :
VSTD050362

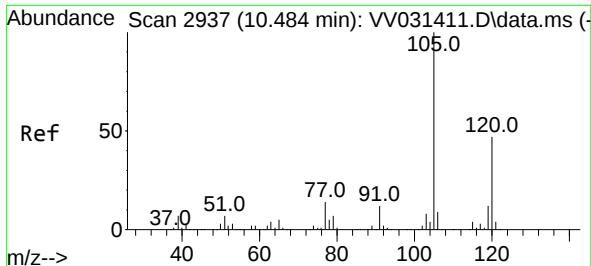
Tgt Ion:105 Resp: 469877
Ion Ratio Lower Upper
105 100
120 25.5 20.6 30.8
77 17.5 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 50.114 ug/L
RT: 10.213 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

Tgt Ion: 75 Resp: 163781
Ion Ratio Lower Upper
75 100
77 31.7 25.6 38.4
110 37.4 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 51.948 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV031435.D

Acq: 08 Jun 2023 08:58

Instrument :

MSVOA_V

ClientSampleId :

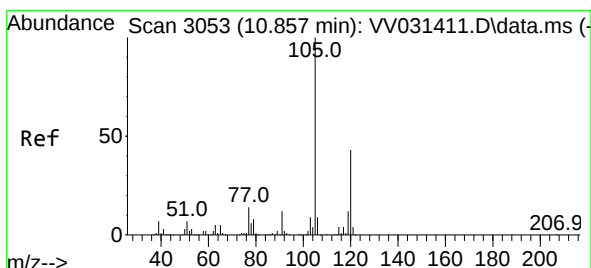
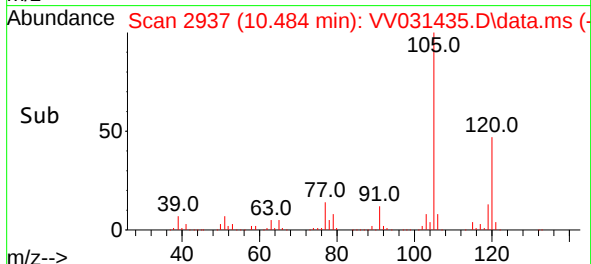
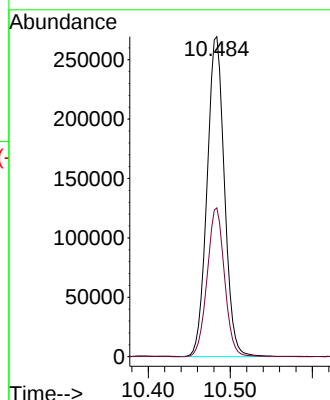
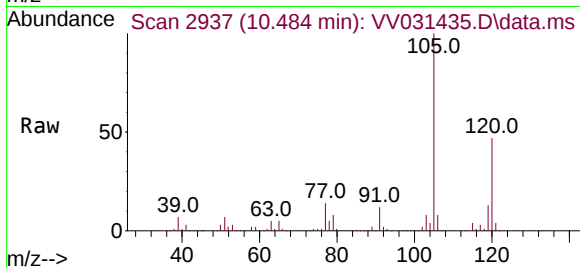
VSTD050362

Tgt Ion:105 Resp: 395786

Ion Ratio Lower Upper

105 100

120 46.6 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 52.591 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VV031435.D

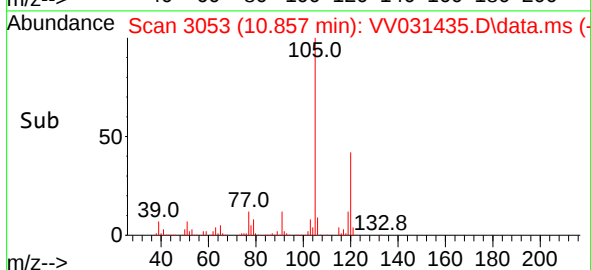
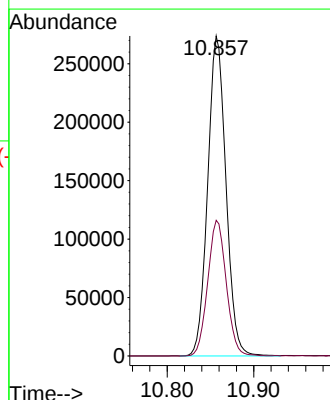
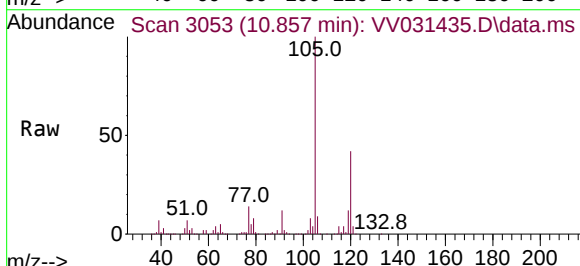
Acq: 08 Jun 2023 08:58

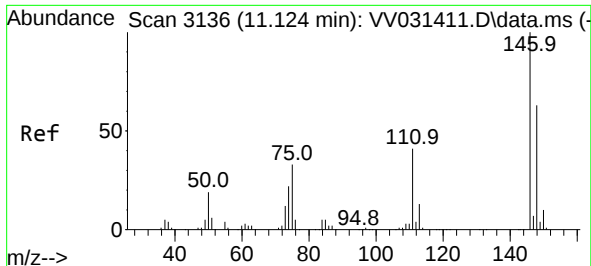
Tgt Ion:105 Resp: 401068

Ion Ratio Lower Upper

105 100

120 43.1 35.0 52.4

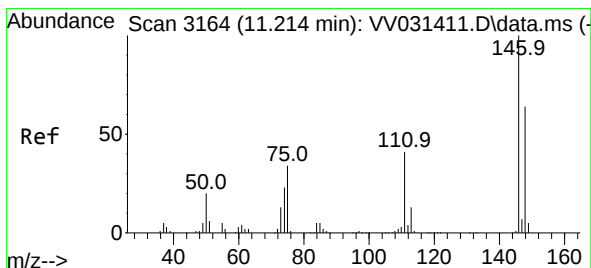
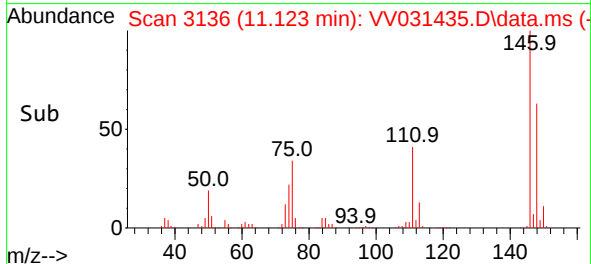
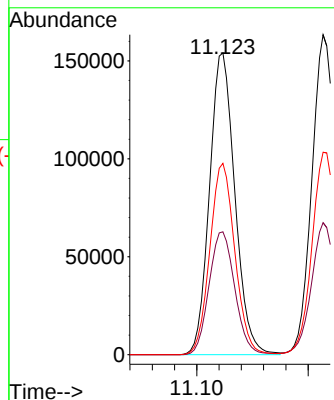
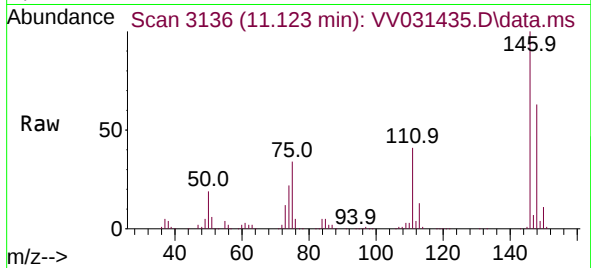




#64
1,3-Dichlorobenzene
Concen: 51.631 ug/L
RT: 11.123 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

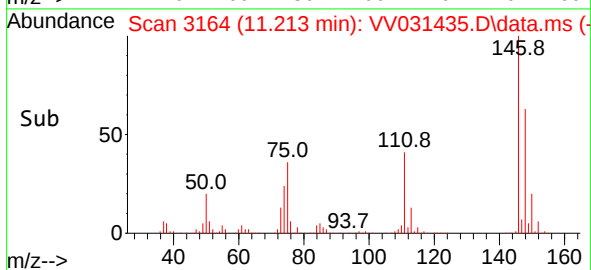
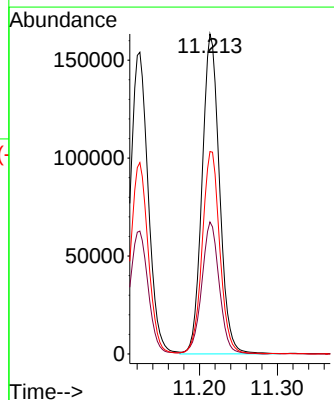
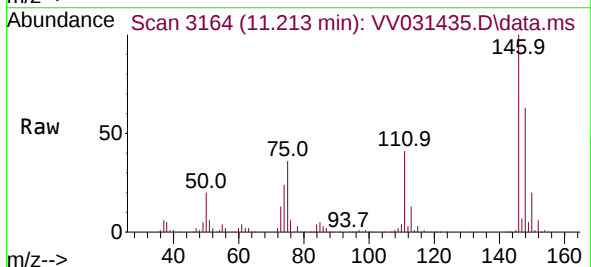
Instrument :
MSVOA_V
ClientSampleId :
VSTD050362

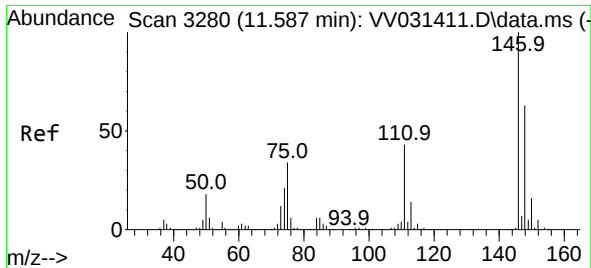
Tgt Ion:146 Resp: 243802
Ion Ratio Lower Upper
146 100
111 40.7 29.3 54.5
148 63.4 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 50.701 ug/L
RT: 11.213 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VV031435.D
Acq: 08 Jun 2023 08:58

Tgt Ion:146 Resp: 253229
Ion Ratio Lower Upper
146 100
111 41.3 28.1 52.3
148 63.2 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 51.563 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031435.D

Acq: 08 Jun 2023 08:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD050362

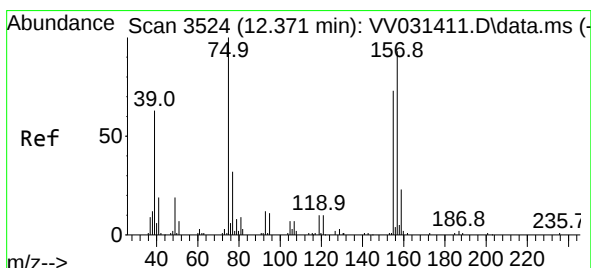
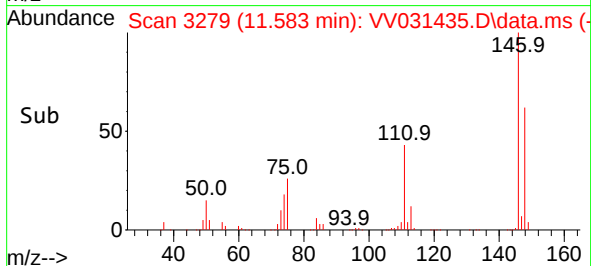
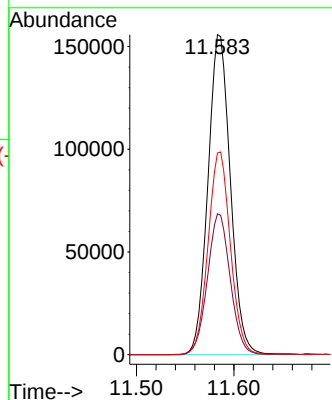
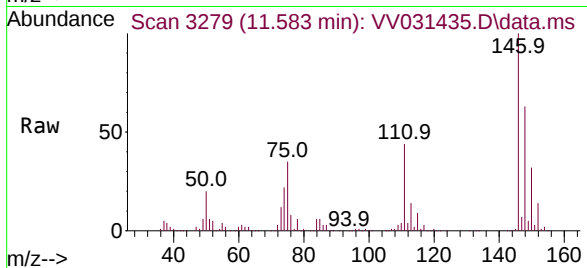
Tgt Ion:146 Resp: 249599

Ion Ratio Lower Upper

146 100

111 44.0 34.5 51.7

148 63.1 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 48.993 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.000 min

Lab File: VV031435.D

Acq: 08 Jun 2023 08:58

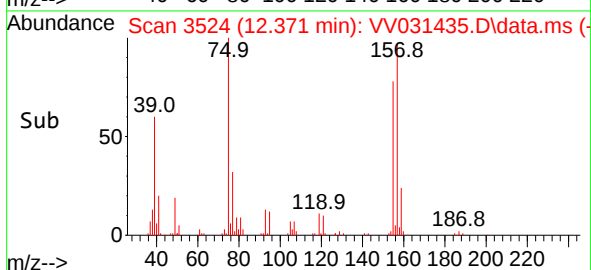
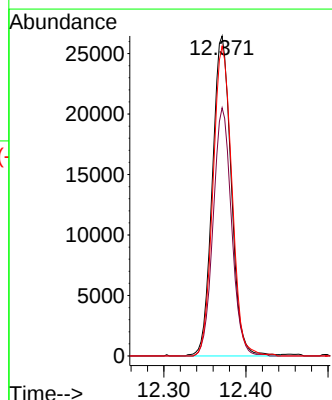
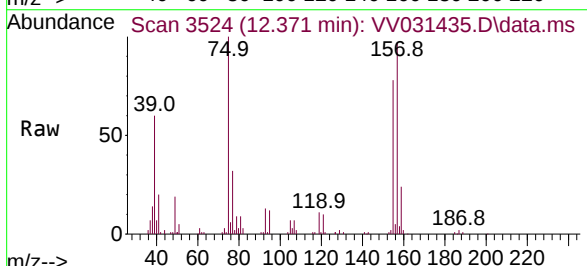
Tgt Ion: 75 Resp: 42441

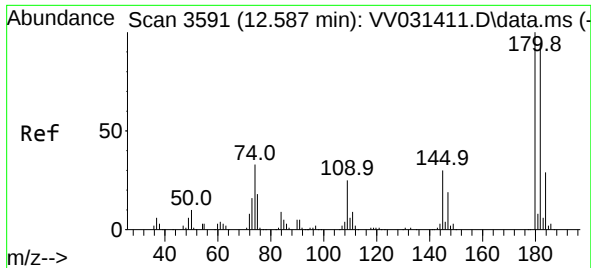
Ion Ratio Lower Upper

75 100

155 77.6 62.1 93.1

157 96.8 74.9 112.3

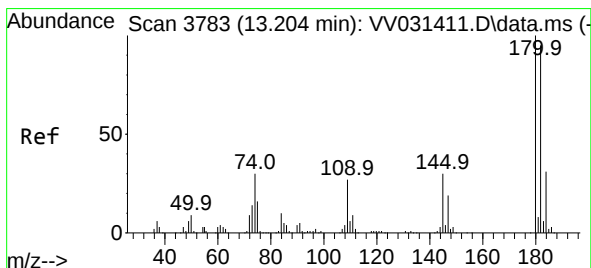
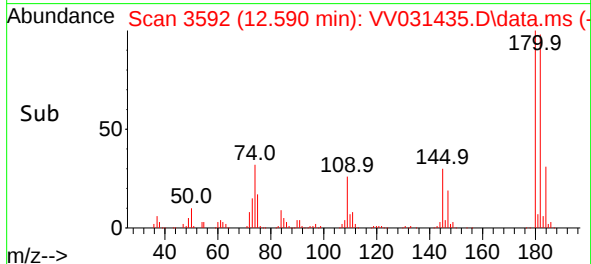
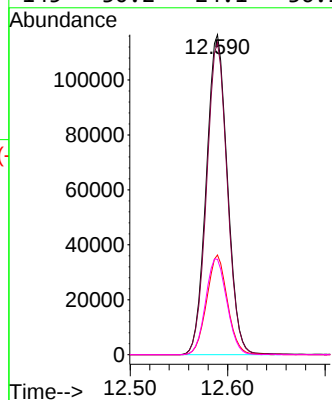
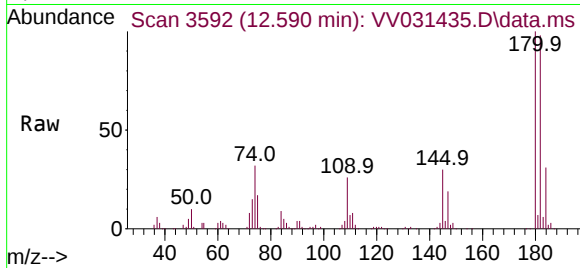




#69
 1,3,5-Trichlorobenzene
 Concen: 48.221 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. 0.003 min
 Lab File: VV031435.D
 Acq: 08 Jun 2023 08:58

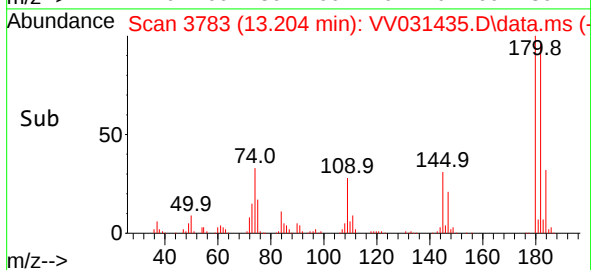
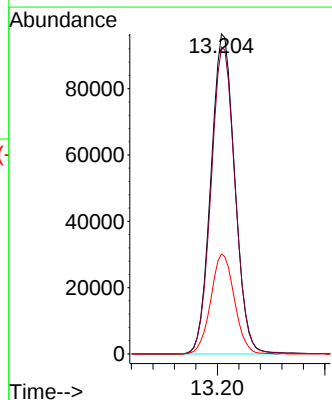
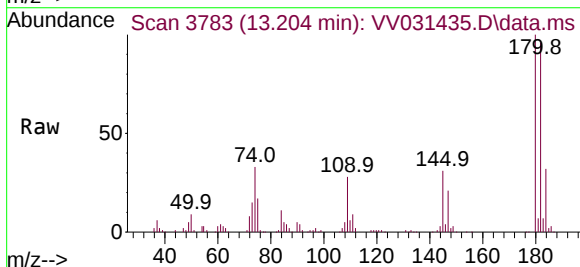
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050362

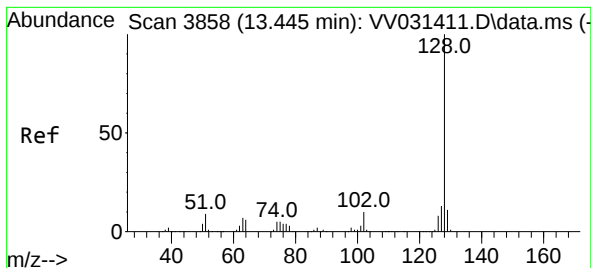
Tgt Ion:180 Resp: 175306
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.7 113.5
 184 30.6 23.9 35.9
 145 30.2 24.1 36.1



#70
 1,2,4-trichlorobenzene
 Concen: 47.931 ug/L
 RT: 13.204 min Scan# 3783
 Delta R.T. -0.000 min
 Lab File: VV031435.D
 Acq: 08 Jun 2023 08:58

Tgt Ion:180 Resp: 148655
 Ion Ratio Lower Upper
 180 100
 182 96.6 77.0 115.6
 145 31.0 24.2 36.2





#71

Naphthalene

Concen: 45.858 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. -0.000 min

Lab File: VV031435.D

Acq: 08 Jun 2023 08:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD050362

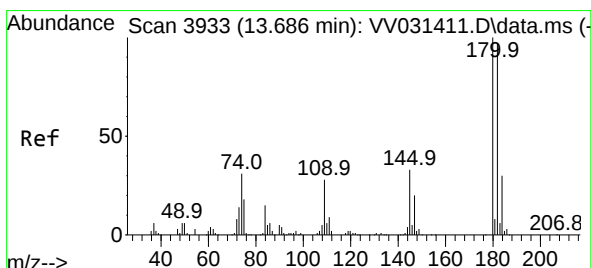
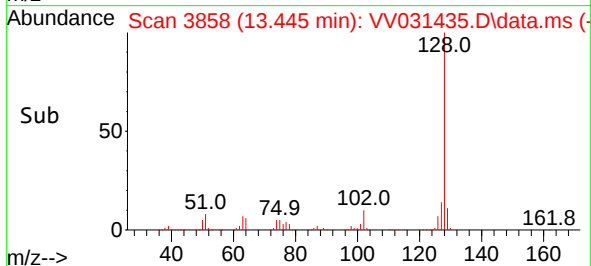
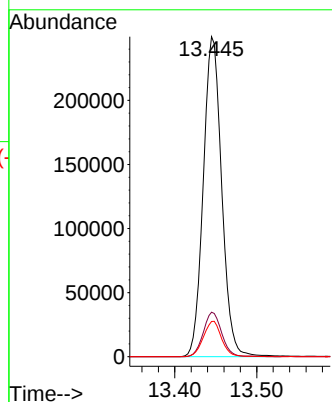
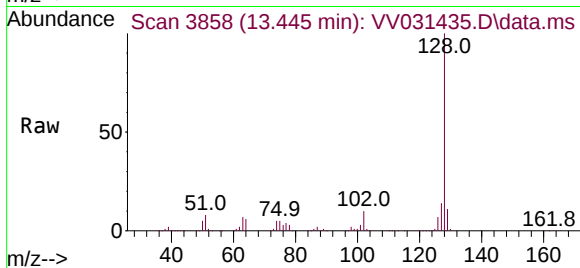
Tgt Ion:128 Resp: 389819

Ion Ratio Lower Upper

128 100

127 13.8 10.7 16.1

129 10.9 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 51.825 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. -0.000 min

Lab File: VV031435.D

Acq: 08 Jun 2023 08:58

Tgt Ion:180 Resp: 161111

Ion Ratio Lower Upper

180 100

182 94.7 77.4 116.2

145 32.0 25.6 38.4

