

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052723\
 Data File : VW031250.D
 Acq On : 26 May 2023 15:43
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005358

Quant Time: May 27 01:40:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR052523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 26 06:48:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	158898	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	158197	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	87123	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	72912	4.140	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.800%
7) Chloroethane-d5	1.535	69	63979	4.657	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.063	65	32232	4.428	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.600%
20) 2-Butanone-d5	3.815	46	188847	49.823	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.640%
24) Chloroform-d	4.255	84	165441	4.737	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	4.950	65	81720	4.736	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
32) Benzene-d6	4.966	84	296680	4.491	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
36) 1,2-Dichloropropane-d6	5.995	67	99917	4.520	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.400%
41) Toluene-d8	7.249	98	192756	3.339	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.800%#
43) trans-1,3-Dichloroprop...	7.561	79	24886	3.501	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.000%
46) 2-Hexanone-d5	8.033	63	134539	46.355	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.720%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	69930	4.482	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.600%
66) 1,2-Dichlorobenzene-d4	11.567	152	88459	4.328	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	83984	4.912	ug/L	100
3) Chloromethane	1.217	50	87466	4.572	ug/L	98
5) Vinyl chloride	1.285	62	87438	4.726	ug/L	99
6) Bromomethane	1.490	94	44417	4.862	ug/L	100
8) Chloroethane	1.551	64	48629	4.987	ug/L	98
9) Trichlorofluoromethane	1.715	101	121286	4.768	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	67656	5.025	ug/L	99
12) 1,1-Dichloroethene	2.072	96	52501	4.882	ug/L	87
13) Acetone	2.143	43	134966	45.309	ug/L	96
14) Carbon disulfide	2.246	76	154608	4.854	ug/L	99
15) Methyl Acetate	2.391	43	26840	4.524	ug/L #	90
16) Methylene chloride	2.452	84	92193	4.966	ug/L	96
17) Methyl tert-butyl Ether	2.712	73	146660	4.944	ug/L	98
18) trans-1,2-Dichloroethene	2.699	96	61427	5.122	ug/L	96
19) 1,1-Dichloroethane	3.117	63	145618	4.922	ug/L	99
21) 2-Butanone	3.899	43	182675	48.502	ug/L	97
22) cis-1,2-Dichloroethene	3.825	96	66329	4.814	ug/L	95
23) Bromochloromethane	4.156	128	31408	5.116	ug/L	99
25) Chloroform	4.284	83	157414	5.204	ug/L	100

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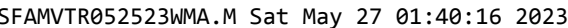
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005358

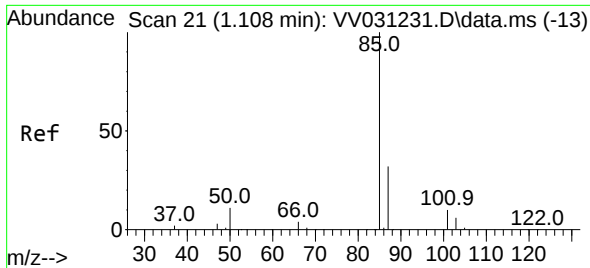
Quant Time: May 27 01:40:05 2023
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	87374	5.089	ug/L #	95
29) 1,1,1-Trichloroethane	4.519	97	131799	4.470	ug/L	98
30) Cyclohexane	4.590	56	99606	4.414	ug/L	98
31) Carbon tetrachloride	4.741	117	117141	4.608	ug/L	100
33) Benzene	5.018	78	279158	4.735	ug/L	100
34) Trichloroethene	5.837	95	74144	4.681	ug/L	98
35) Methylcyclohexane	6.056	83	102310	4.672	ug/L	97
37) 1,2-Dichloropropane	6.101	63	80972	4.688	ug/L	99
38) Bromodichloromethane	6.439	83	101832	4.704	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	80130	3.915	ug/L	98
40) 4-Methyl-2-pentanone	7.165	43	288167	34.062	ug/L	96
42) Toluene	7.320	91	211877	3.658	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	67465	3.799	ug/L	95
45) 1,1,2-Trichloroethane	7.776	97	45062	4.314	ug/L	94
47) Tetrachloroethene	7.911	164	51541	4.489	ug/L	97
48) 2-Hexanone	8.085	43	329344	50.136	ug/L	98
49) Dibromochloromethane	8.181	129	61990	4.940	ug/L	99
50) 1,2-Dibromoethane	8.287	107	46278	4.799	ug/L	93
51) Chlorobenzene	8.821	112	181886	4.773	ug/L	97
52) Ethylbenzene	8.953	91	305187	4.778	ug/L	99
53) m,p-Xylene	9.078	106	113052	4.790	ug/L	96
54) o-Xylene	9.484	106	105351	4.689	ug/L	100
55) Styrene	9.503	104	190227	4.801	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	59897	4.543	ug/L	99
59) Bromoform	9.670	173	33868	4.802	ug/L	97
60) Isopropylbenzene	9.873	105	305450	4.809	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	43478	4.566	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	240861	4.677	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	250191	4.744	ug/L	100
64) 1,3-Dichlorobenzene	11.123	146	152730	5.078	ug/L	100
65) 1,4-Dichlorobenzene	11.217	146	150977	4.906	ug/L	98
67) 1,2-Dichlorobenzene	11.586	146	135995	4.718	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	9813	4.890	ug/L	87
69) 1,3,5-Trichlorobenzene	12.590	180	114913	4.705	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	85925	4.402	ug/L	97
71) Naphthalene	13.448	128	108141	3.743	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	74170	4.417	ug/L	99

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

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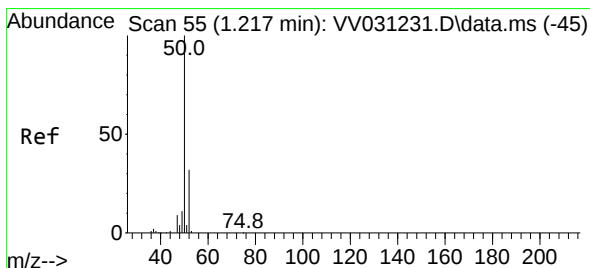
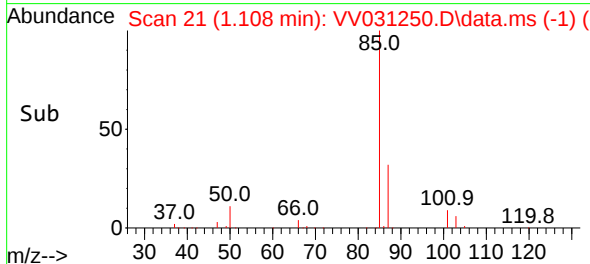
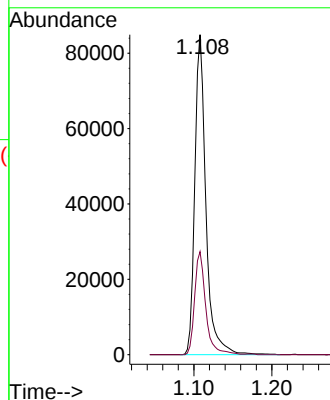
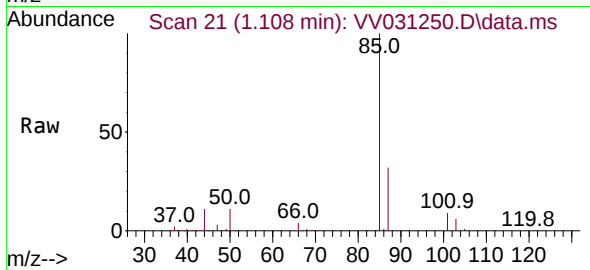




#2
 Dichlorodifluoromethane
 Concen: 4.912 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031250.D
 Acq: 26 May 2023 15:43

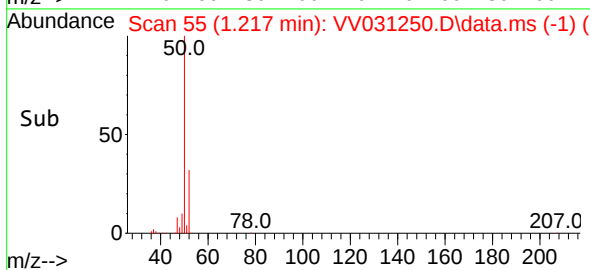
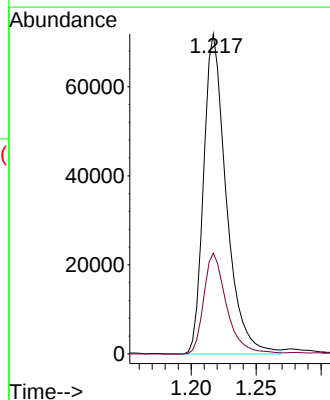
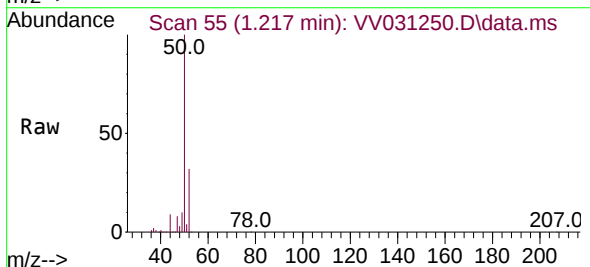
Instrument :
 MSVOA_V
 ClientSampleId :
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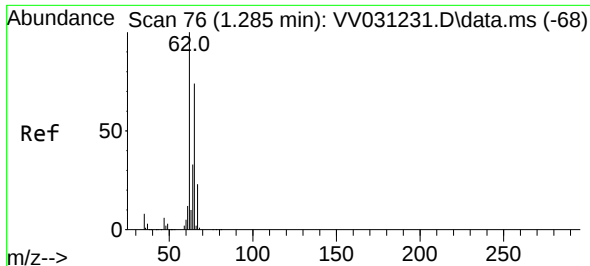
Tgt Ion: 85 Resp: 83984
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.1 39.1



#3
 Chloromethane
 Concen: 4.572 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031250.D
 Acq: 26 May 2023 15:43

Tgt Ion: 50 Resp: 87466
 Ion Ratio Lower Upper
 50 100
 52 31.5 22.7 42.1

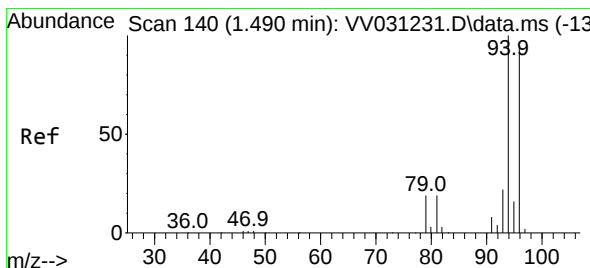
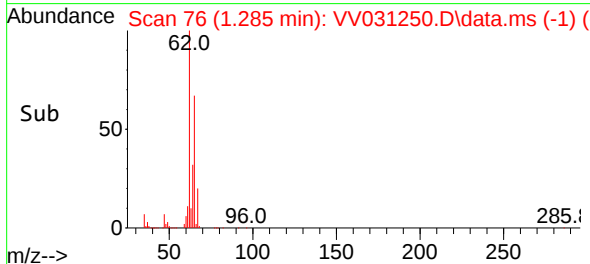
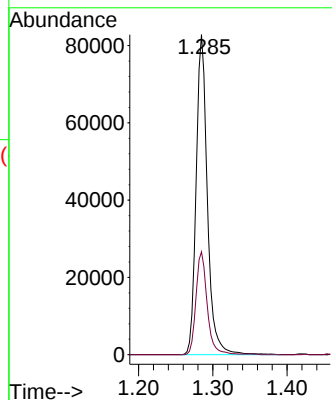
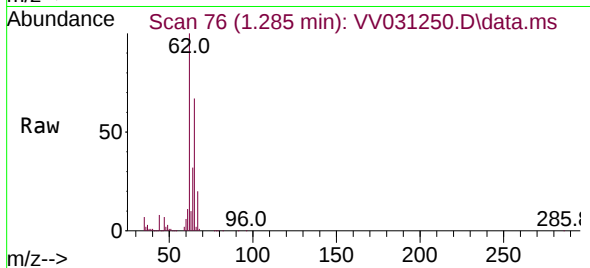




#5
Vinyl chloride
Concen: 4.726 ug/L
RT: 1.285 min Scan# 76
Delta R.T. -0.000 min
Lab File: VV031250.D
Acq: 26 May 2023 15:43

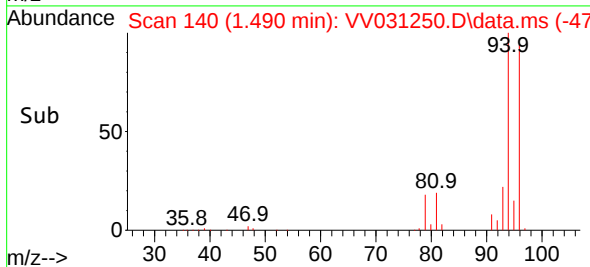
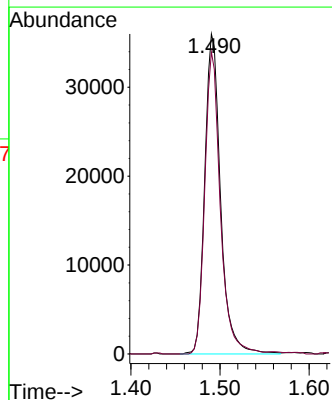
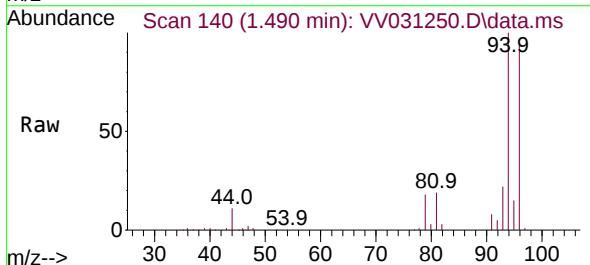
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ClientSampleId :
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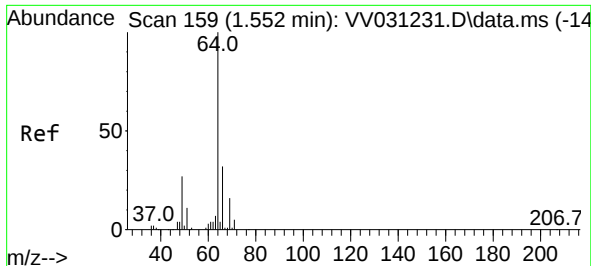
Tgt Ion: 62 Resp: 87438
Ion Ratio Lower Upper
62 100
64 32.1 22.7 42.3



#6
Bromomethane
Concen: 4.862 ug/L
RT: 1.490 min Scan# 140
Delta R.T. -0.000 min
Lab File: VV031250.D
Acq: 26 May 2023 15:43

Tgt Ion: 94 Resp: 44417
Ion Ratio Lower Upper
94 100
96 94.4 65.8 122.2

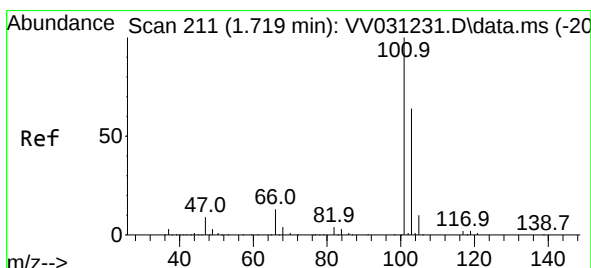
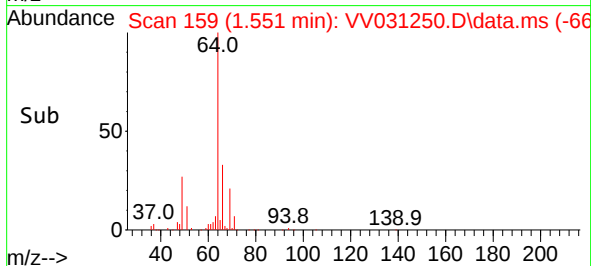
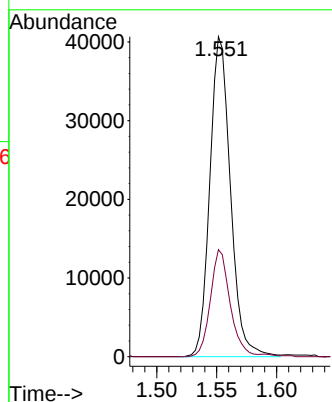
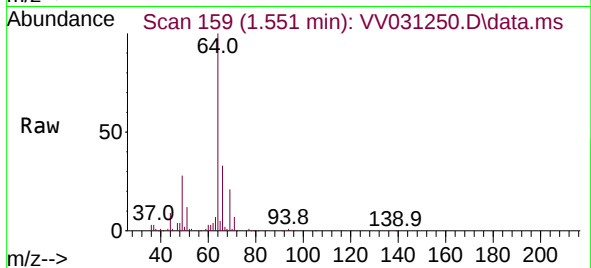




#8
Chloroethane
Concen: 4.987 ug/L
RT: 1.551 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV031250.D
Acq: 26 May 2023 15:43

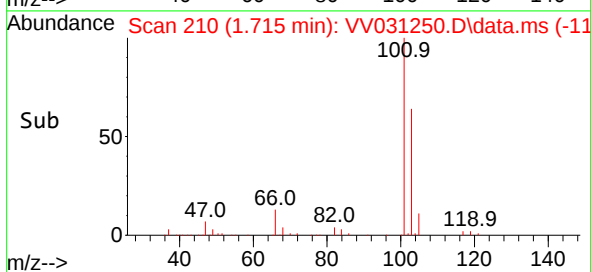
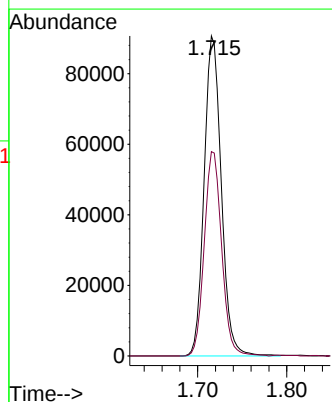
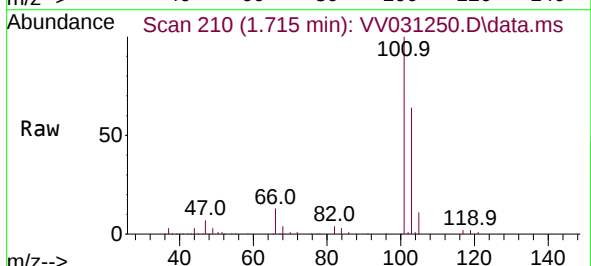
Instrument :
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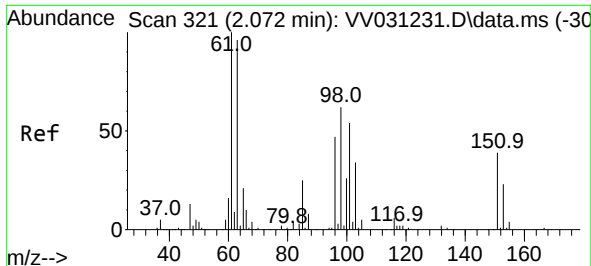
Tgt Ion: 64 Resp: 48629
Ion Ratio Lower Upper
64 100
66 33.5 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.768 ug/L
RT: 1.715 min Scan# 210
Delta R.T. -0.003 min
Lab File: VV031250.D
Acq: 26 May 2023 15:43

Tgt Ion:101 Resp: 121286
Ion Ratio Lower Upper
101 100
103 64.5 52.1 78.1

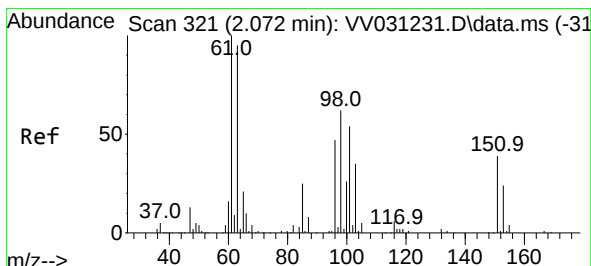
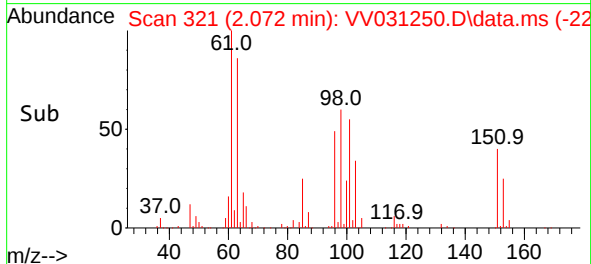
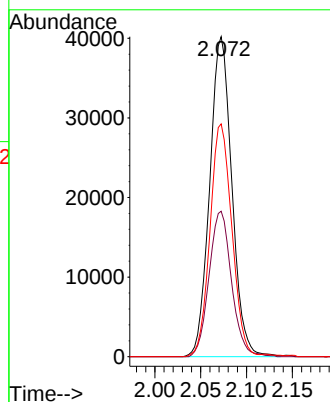
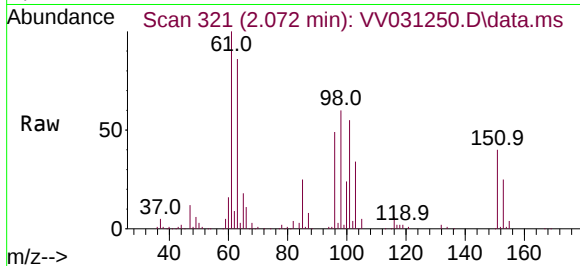




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.025 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV031250.D
 Acq: 26 May 2023 15:43

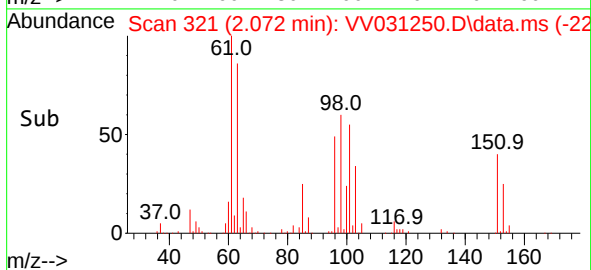
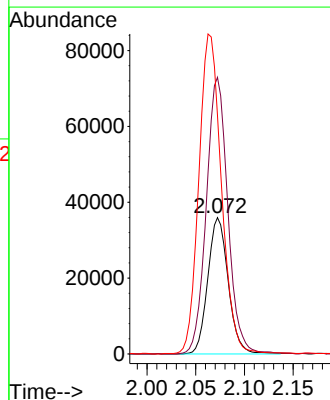
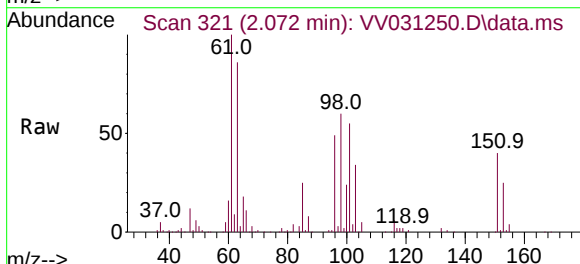
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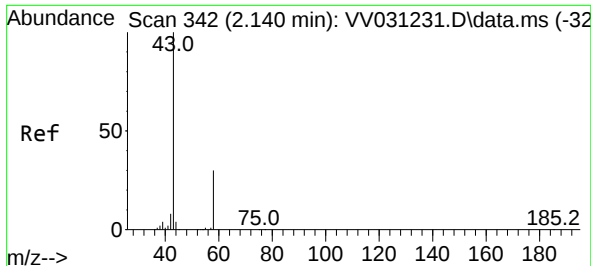
Tgt Ion:101 Resp: 67656
 Ion Ratio Lower Upper
 101 100
 85 46.1 37.6 56.4
 151 71.6 56.6 85.0



#12
 1,1-Dichloroethene
 Concen: 4.882 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV031250.D
 Acq: 26 May 2023 15:43

Tgt Ion: 96 Resp: 52501
 Ion Ratio Lower Upper
 96 100
 61 203.0 150.0 278.6
 63 174.9 143.5 266.5





#13

Acetone

Concen: 45.309 ug/L

RT: 2.143 min Scan# 342

Delta R.T. 0.003 min

Lab File: VV031250.D

Acq: 26 May 2023 15:43

Instrument :

MSVOA_V

ClientSampleId :

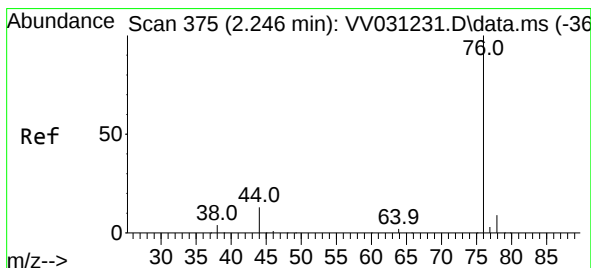
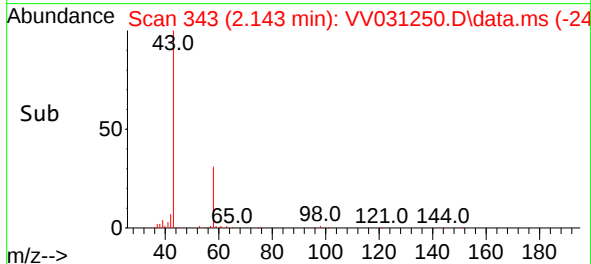
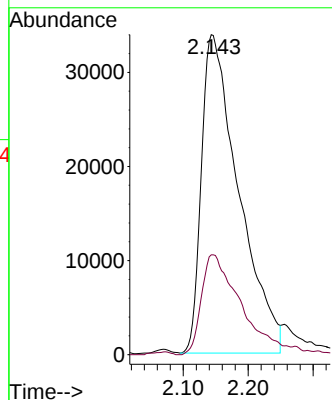
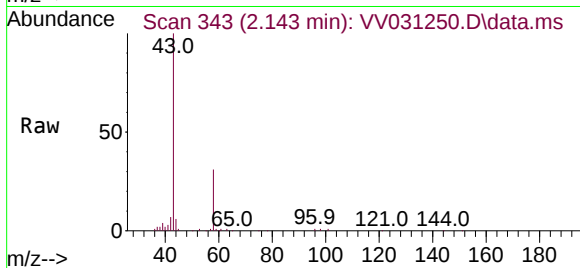
VSTD005358

Tgt Ion: 43 Resp: 134966

Ion Ratio Lower Upper

43 100

58 33.1 0.0 62.2



#14

Carbon disulfide

Concen: 4.854 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV031250.D

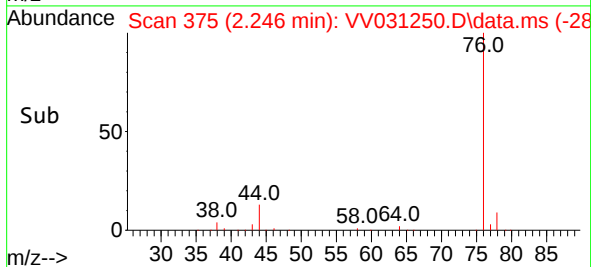
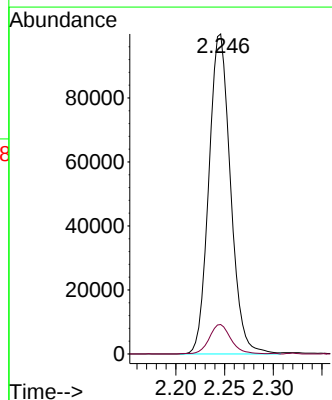
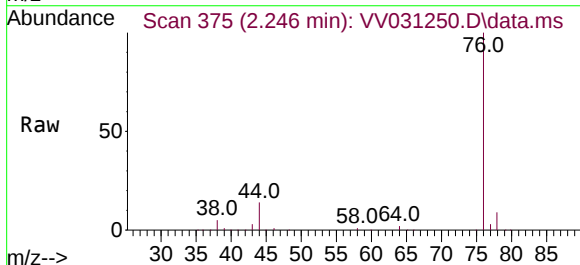
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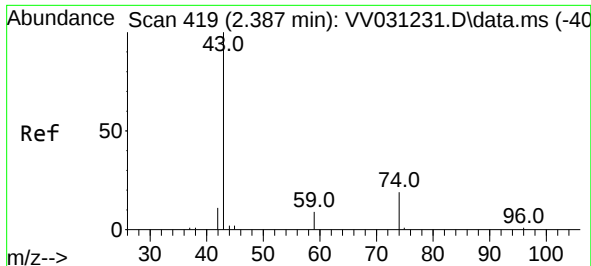
Tgt Ion: 76 Resp: 154608

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

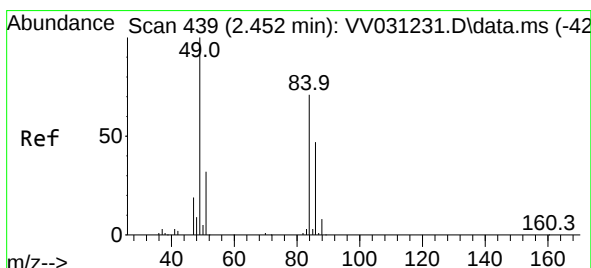
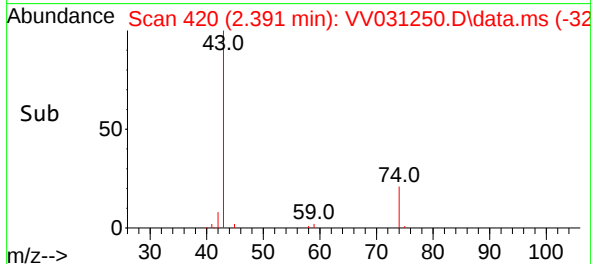
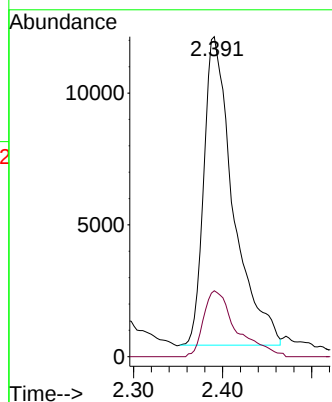
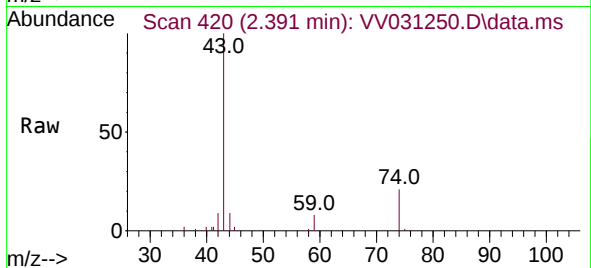




#15
Methyl Acetate
Concen: 4.524 ug/L
RT: 2.391 min Scan# 419
Delta R.T. 0.003 min
Lab File: VV031250.D
Acq: 26 May 2023 15:43

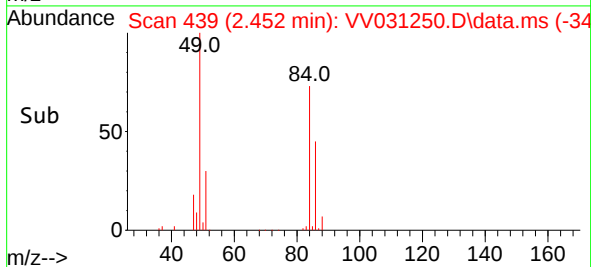
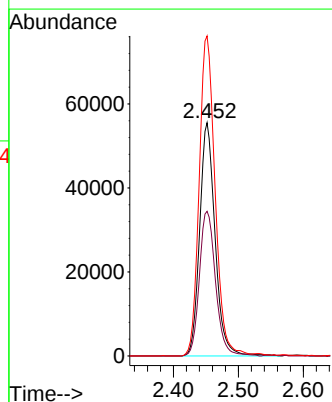
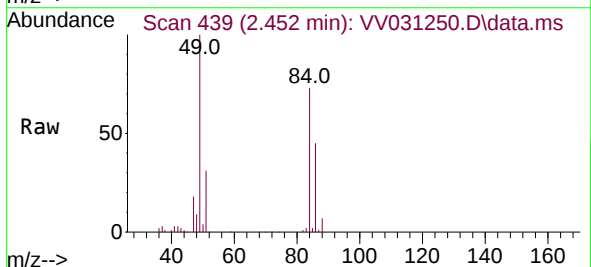
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

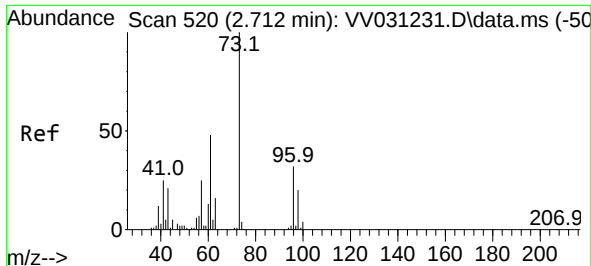
Tgt Ion: 43 Resp: 26840
Ion Ratio Lower Upper
43 100
74 23.9 15.5 23.3#



#16
Methylene chloride
Concen: 4.966 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.000 min
Lab File: VV031250.D
Acq: 26 May 2023 15:43

Tgt Ion: 84 Resp: 92193
Ion Ratio Lower Upper
84 100
86 62.0 46.8 86.8
49 137.2 98.8 183.4





#17

Methyl tert-butyl Ether

Concen: 4.944 ug/L

RT: 2.712 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV031250.D

Acq: 26 May 2023 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD005358

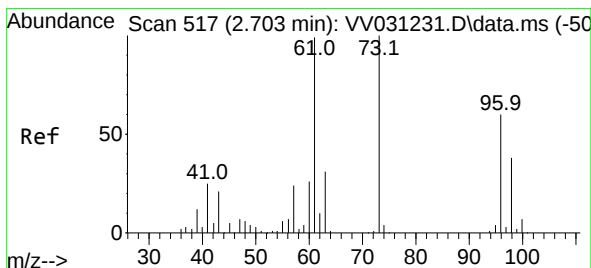
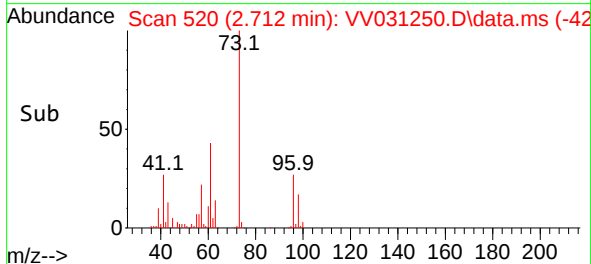
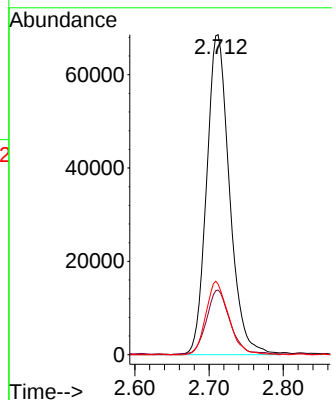
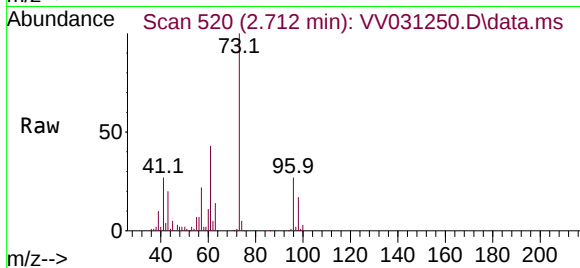
Tgt Ion: 73 Resp: 146660

Ion Ratio Lower Upper

73 100

43 21.2 17.0 25.6

57 22.7 19.5 29.3



#18

trans-1,2-Dichloroethene

Concen: 5.122 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.003 min

Lab File: VV031250.D

Acq: 26 May 2023 15:43

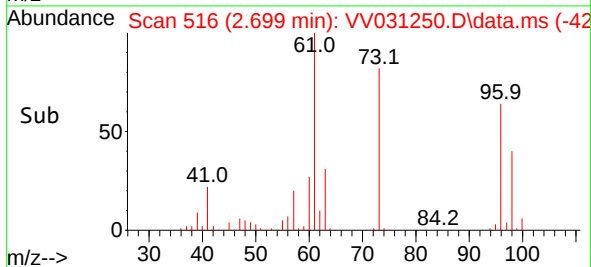
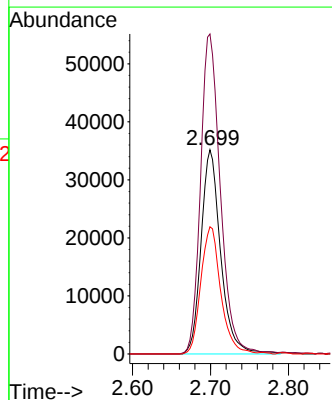
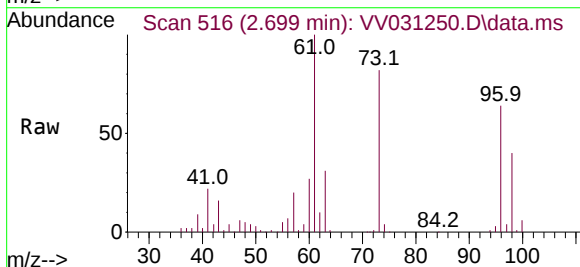
Tgt Ion: 96 Resp: 61427

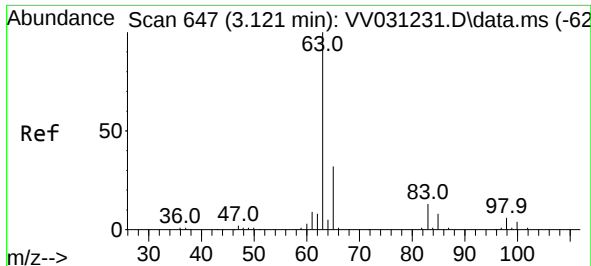
Ion Ratio Lower Upper

96 100

61 156.7 115.0 213.6

98 62.3 44.4 82.5





#19

1,1-Dichloroethane

Concen: 4.922 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV031250.D

Acq: 26 May 2023 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD005358

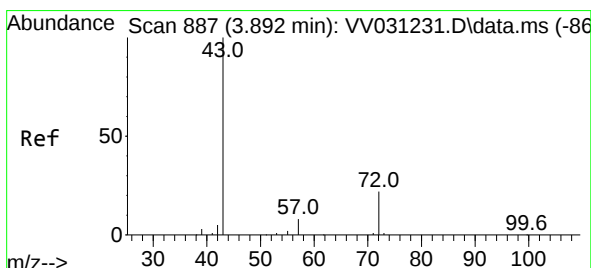
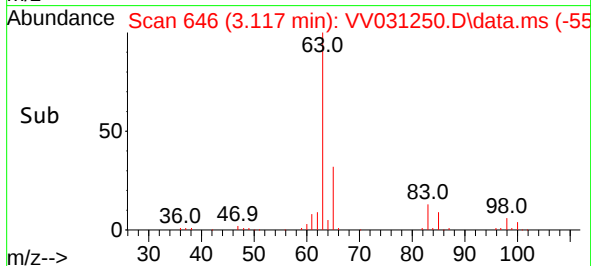
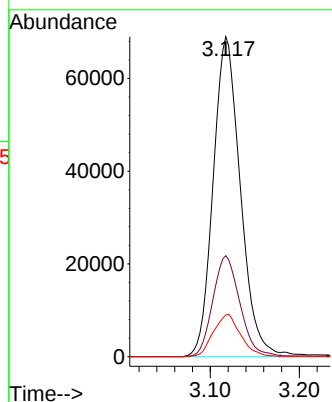
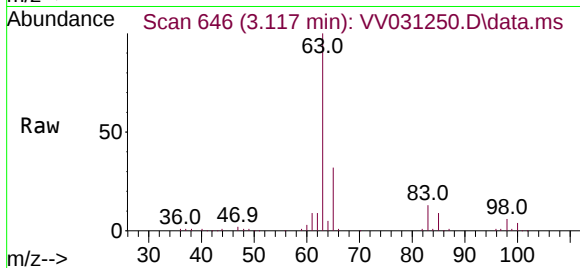
Tgt Ion: 63 Resp: 145618

Ion Ratio Lower Upper

63 100

65 31.6 22.4 41.6

83 13.0 9.0 16.6



#21

2-Butanone

Concen: 48.502 ug/L

RT: 3.899 min Scan# 889

Delta R.T. 0.006 min

Lab File: VV031250.D

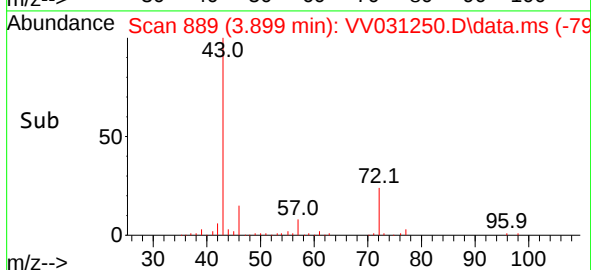
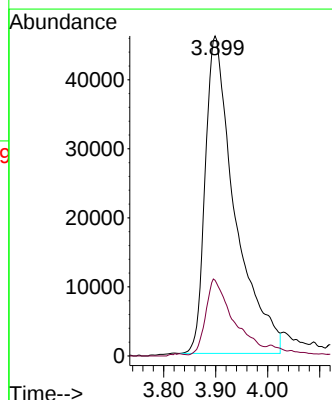
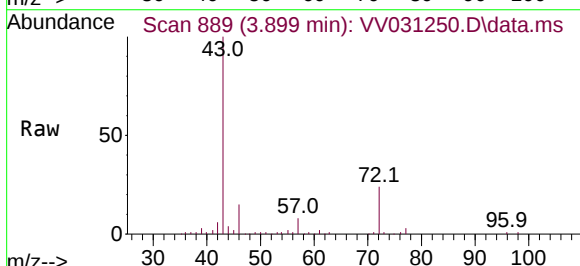
Acq: 26 May 2023 15:43

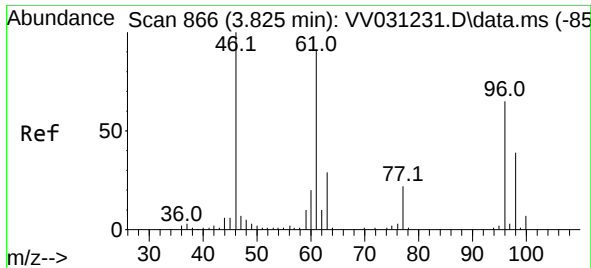
Tgt Ion: 43 Resp: 182675

Ion Ratio Lower Upper

43 100

72 22.1 10.3 30.9

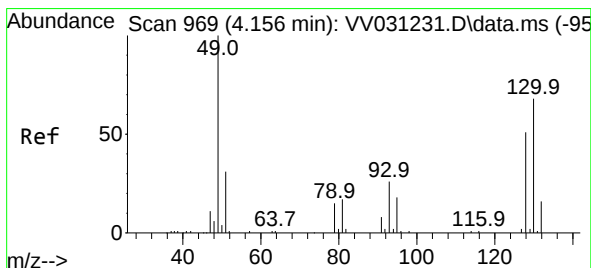
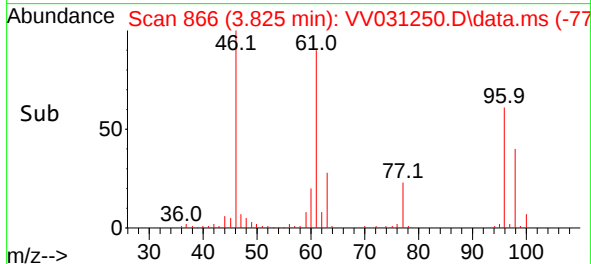
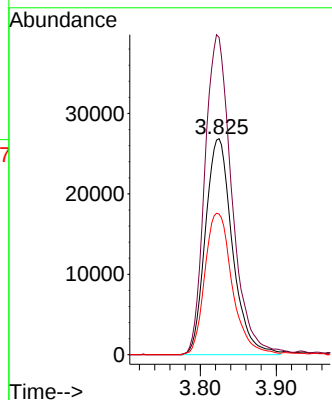
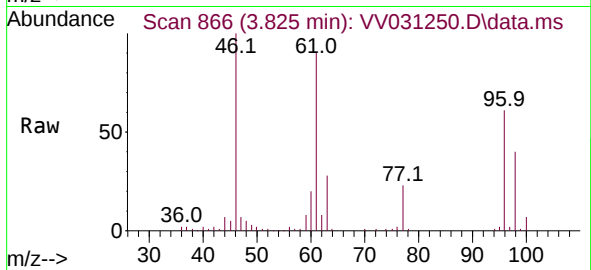




#22
 cis-1,2-Dichloroethene
 Concen: 4.814 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. -0.000 min
 Lab File: VV031250.D
 Acq: 26 May 2023 15:43

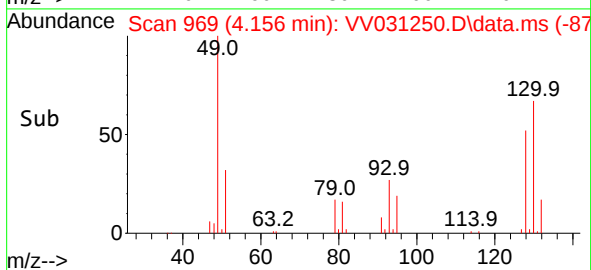
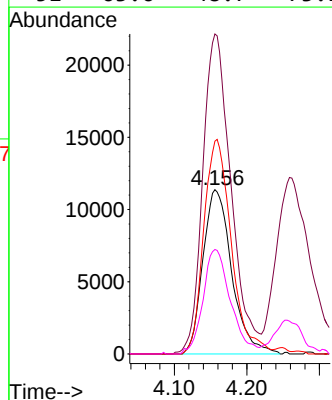
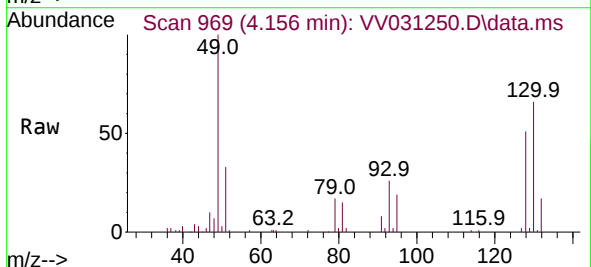
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005358

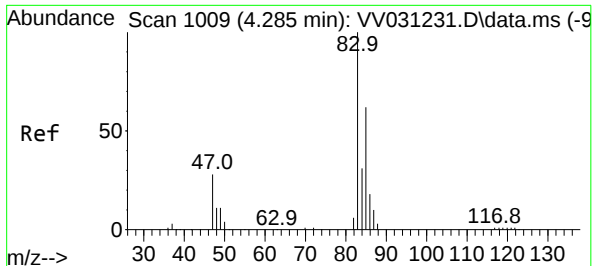
Tgt Ion: 96 Resp: 66329
 Ion Ratio Lower Upper
 96 100
 61 146.9 98.2 182.4
 98 65.1 42.8 79.6



#23
 Bromochloromethane
 Concen: 5.116 ug/L
 RT: 4.156 min Scan# 969
 Delta R.T. -0.000 min
 Lab File: VV031250.D
 Acq: 26 May 2023 15:43

Tgt Ion: 128 Resp: 31408
 Ion Ratio Lower Upper
 128 100
 49 194.7 136.2 253.0
 130 129.4 92.0 170.9
 51 63.6 48.7 73.1





#25

Chloroform

Concen: 5.204 ug/L

RT: 4.284 min Scan# 1009

Delta R.T. -0.000 min

Lab File: VV031250.D

Acq: 26 May 2023 15:43

Instrument :

MSVOA_V

ClientSampleId :

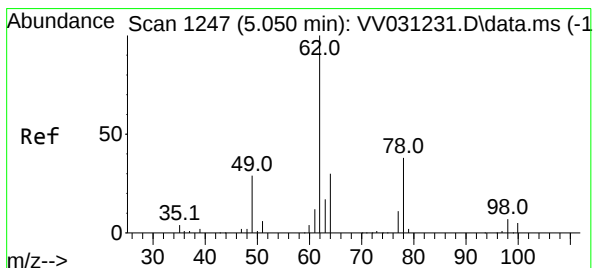
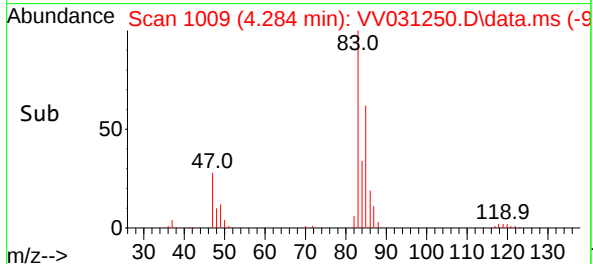
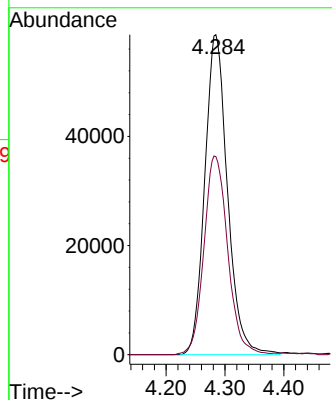
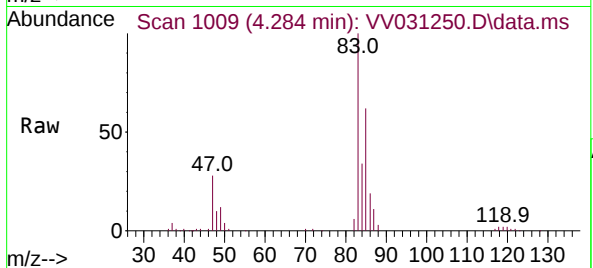
VSTD005358

Tgt Ion: 83 Resp: 157414

Ion Ratio Lower Upper

83 100

85 61.9 43.4 80.6



#27

1,2-Dichloroethane

Concen: 5.089 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. -0.000 min

Lab File: VV031250.D

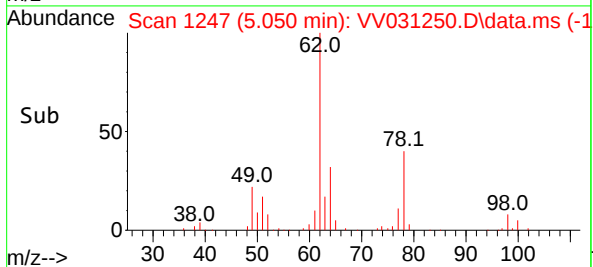
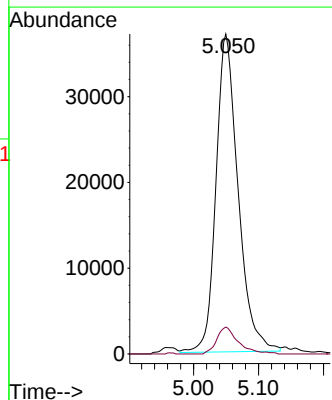
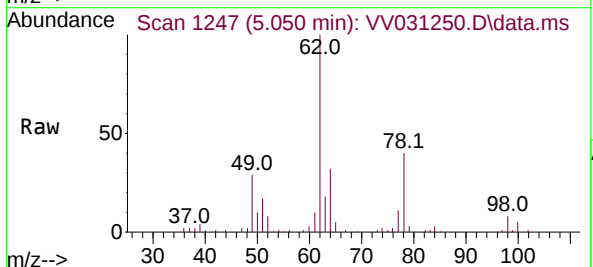
Acq: 26 May 2023 15:43

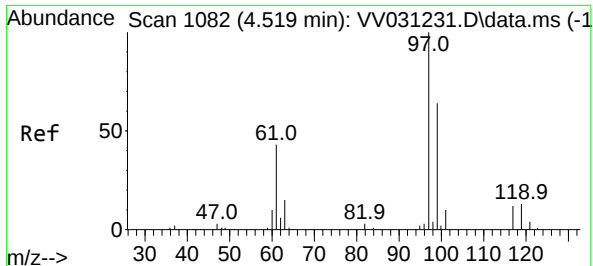
Tgt Ion: 62 Resp: 87374

Ion Ratio Lower Upper

62 100

98 8.4 5.4 8.2#





#29

1,1,1-Trichloroethane

Concen: 4.470 ug/L

RT: 4.519 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VV031250.D

Acq: 26 May 2023 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD005358

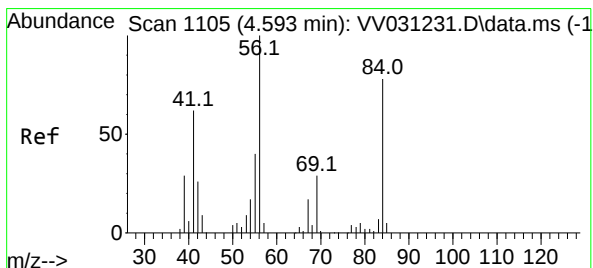
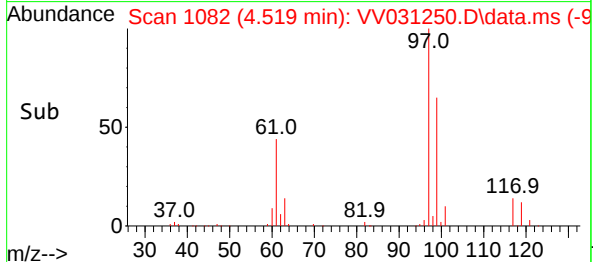
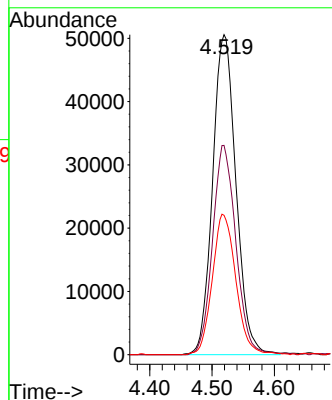
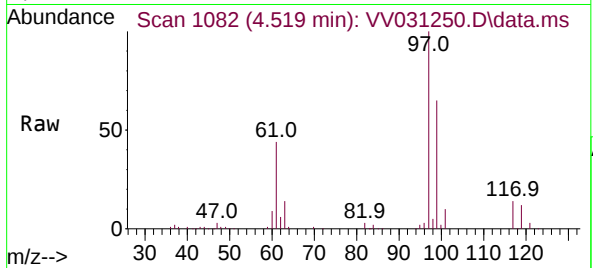
Tgt Ion: 97 Resp: 131799

Ion Ratio Lower Upper

97 100

99 65.3 50.6 75.8

61 44.0 35.5 53.3



#30

Cyclohexane

Concen: 4.414 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.003 min

Lab File: VV031250.D

Acq: 26 May 2023 15:43

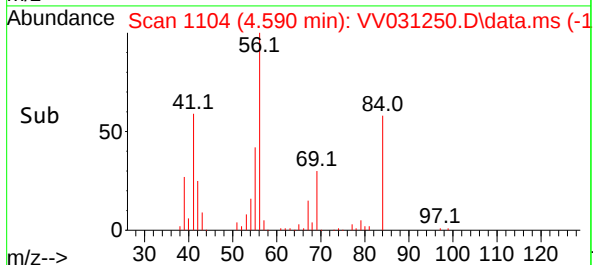
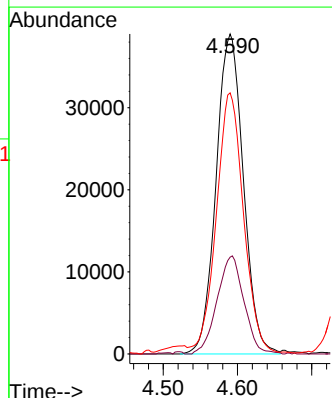
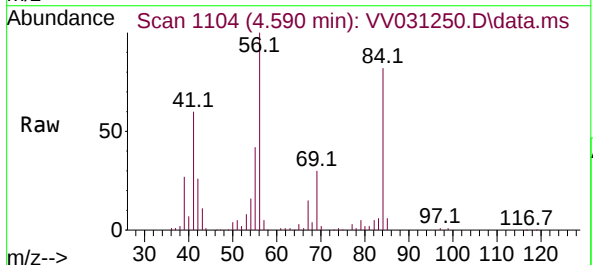
Tgt Ion: 56 Resp: 99606

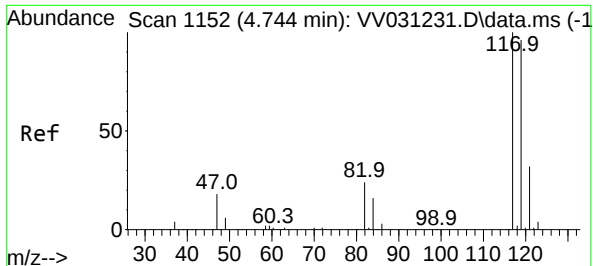
Ion Ratio Lower Upper

56 100

69 30.1 24.0 36.0

84 80.0 62.5 93.7

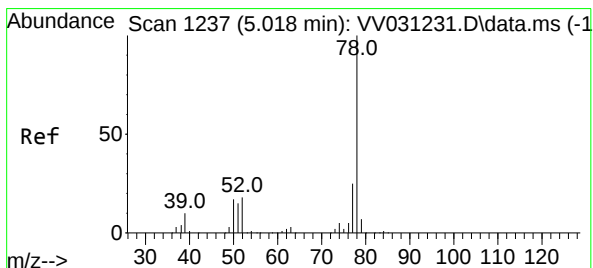
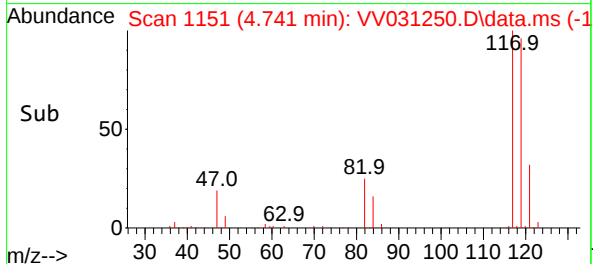
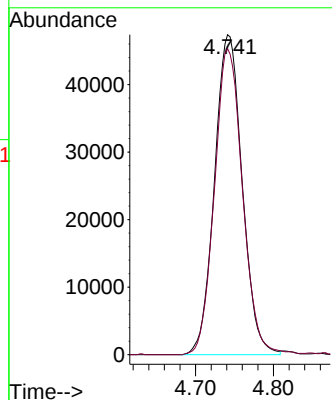
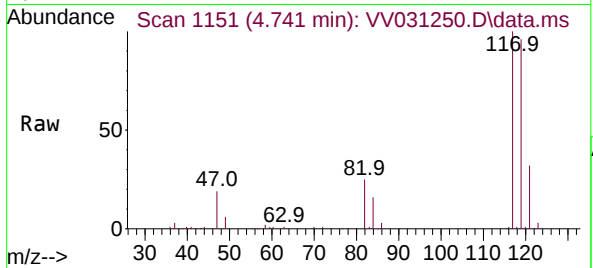




#31
Carbon tetrachloride
Concen: 4.608 ug/L
RT: 4.741 min Scan# 1152
Delta R.T. -0.003 min
Lab File: VV031250.D
Acq: 26 May 2023 15:43

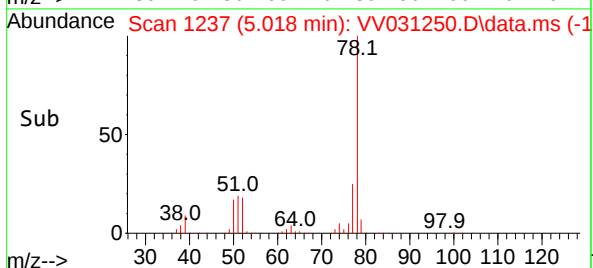
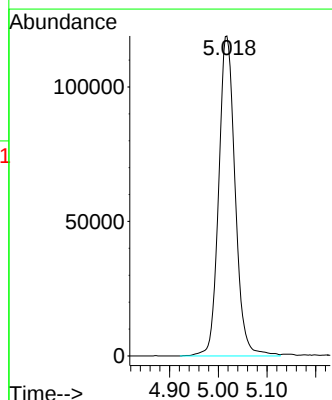
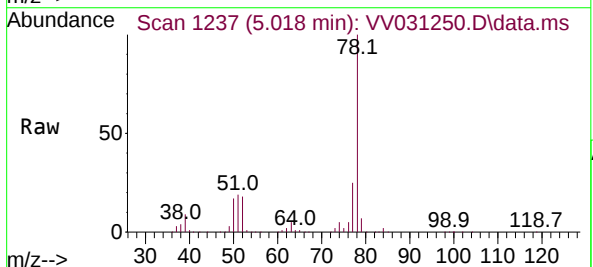
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

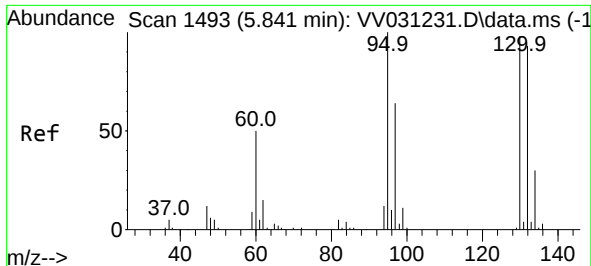
Tgt Ion:117 Resp: 117141
Ion Ratio Lower Upper
117 100
119 96.9 77.5 116.3



#33
Benzene
Concen: 4.735 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VV031250.D
Acq: 26 May 2023 15:43

Tgt Ion: 78 Resp: 279158



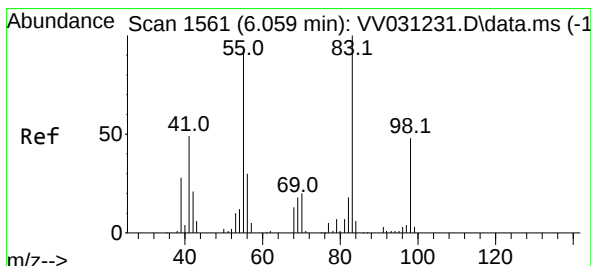
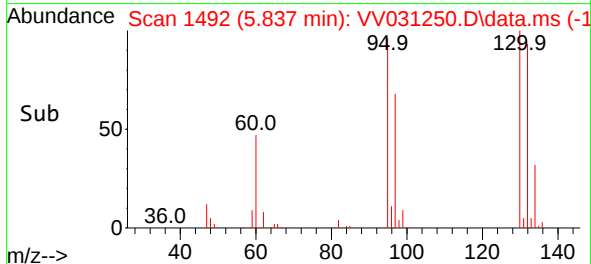
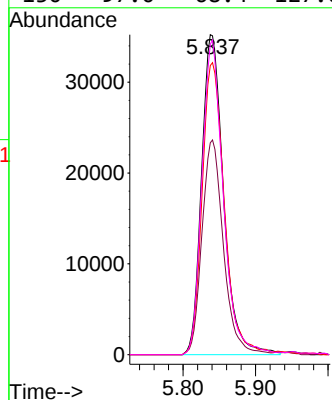
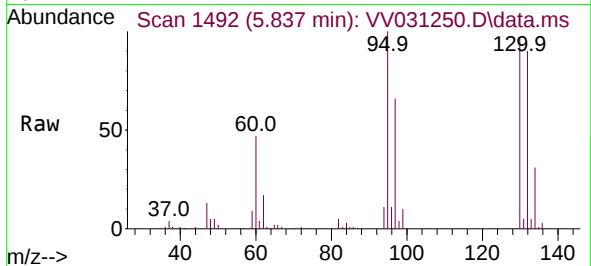


#34
Trichloroethene
Concen: 4.681 ug/L
RT: 5.837 min Scan# 1492
Delta R.T. -0.003 min
Lab File: VV031250.D
Acq: 26 May 2023 15:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

Tgt Ion: 95 Resp: 74144

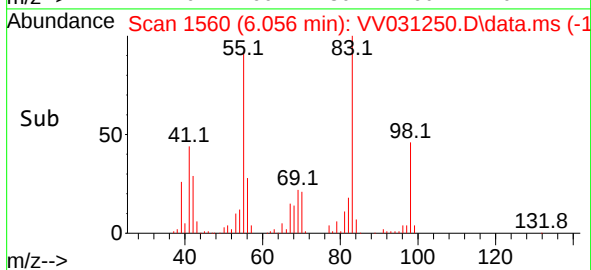
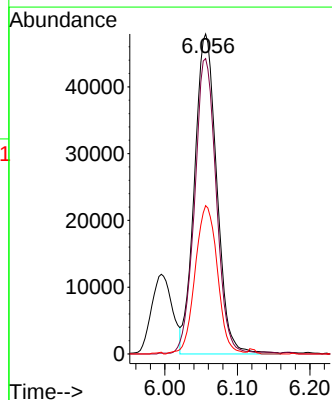
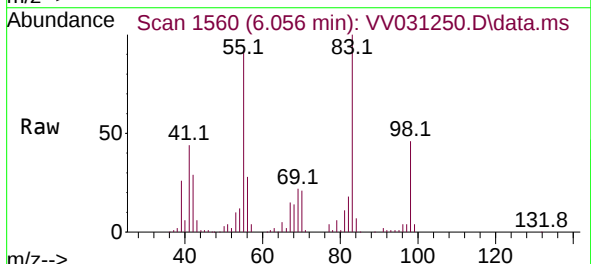
Ion	Ratio	Lower	Upper
95	100		
97	66.2	44.8	83.2
132	90.3	64.8	120.4
130	97.0	68.4	127.0

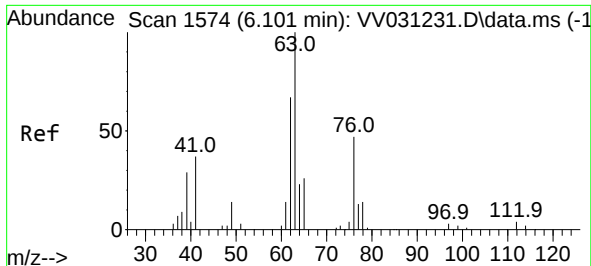


#35
Methylcyclohexane
Concen: 4.672 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.003 min
Lab File: VV031250.D
Acq: 26 May 2023 15:43

Tgt Ion: 83 Resp: 102310

Ion	Ratio	Lower	Upper
83	100		
55	89.0	74.4	111.6
98	46.4	38.2	57.2





#37

1,2-Dichloropropane

Concen: 4.688 ug/L

RT: 6.101 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV031250.D

Acq: 26 May 2023 15:43

Instrument :

MSVOA_V

ClientSampleId :

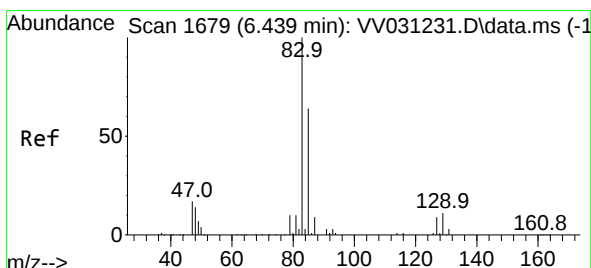
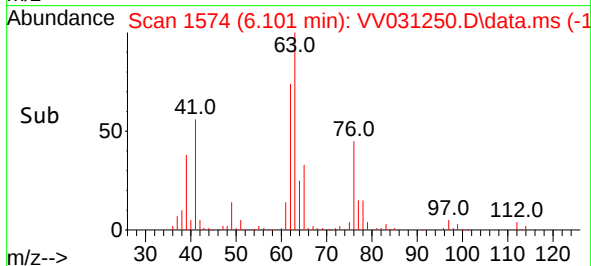
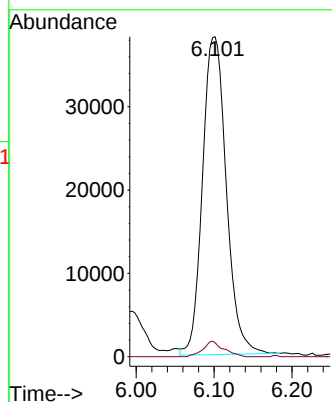
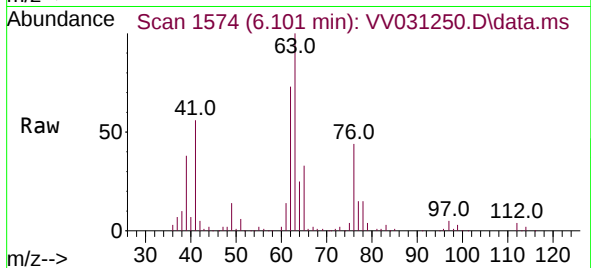
VSTD005358

Tgt Ion: 63 Resp: 80972

Ion Ratio Lower Upper

63 100

112 4.2 3.2 4.8



#38

Bromodichloromethane

Concen: 4.704 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VV031250.D

Acq: 26 May 2023 15:43

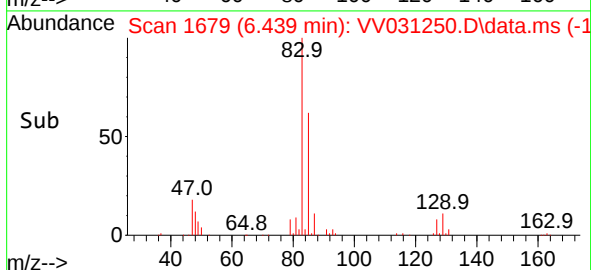
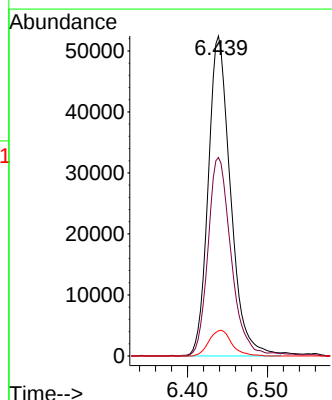
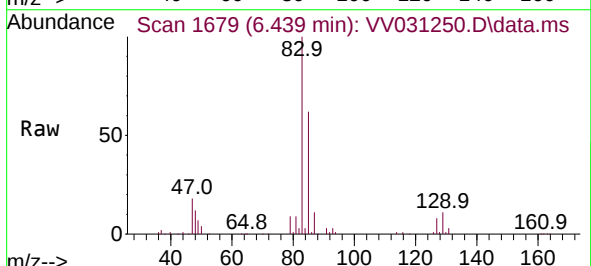
Tgt Ion: 83 Resp: 101832

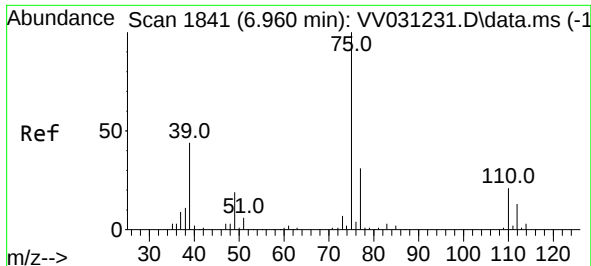
Ion Ratio Lower Upper

83 100

85 62.0 44.7 82.9

127 7.8 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 3.915 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VV031250.D

Acq: 26 May 2023 15:43

Instrument :

MSVOA_V

ClientSampleId :

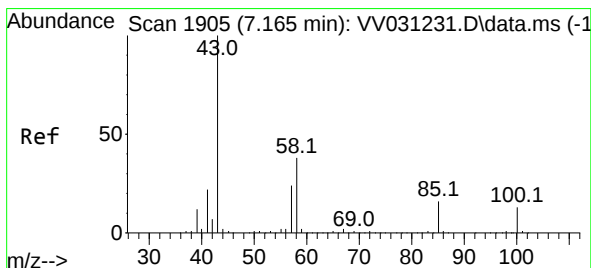
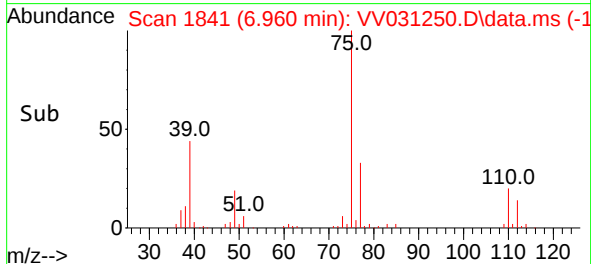
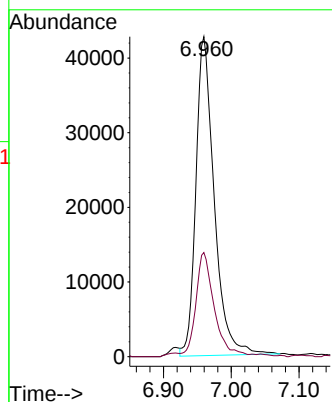
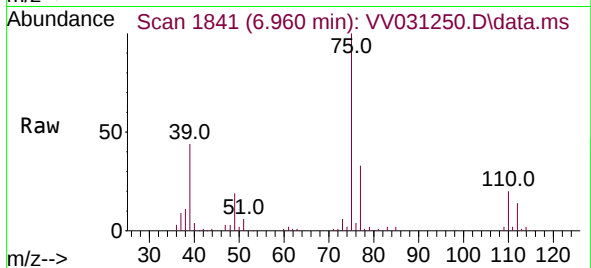
VSTD005358

Tgt Ion: 75 Resp: 80130

Ion Ratio Lower Upper

75 100

77 32.6 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 34.062 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VV031250.D

Acq: 26 May 2023 15:43

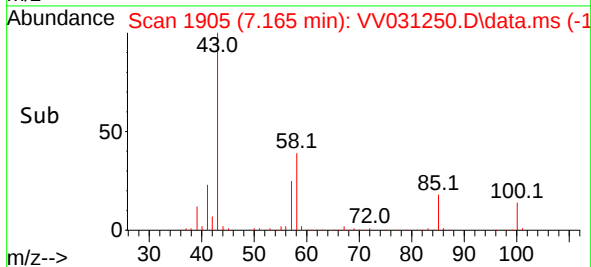
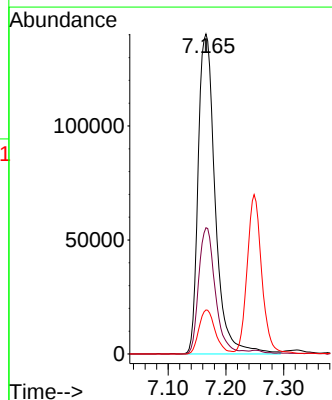
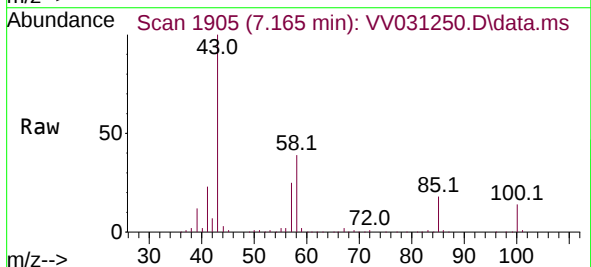
Tgt Ion: 43 Resp: 288167

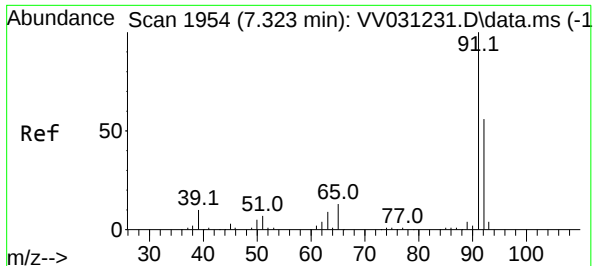
Ion Ratio Lower Upper

43 100

58 38.7 29.1 43.7

100 13.3 9.9 14.9





#42

Toluene

Concen: 3.658 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.003 min

Lab File: VV031250.D

Acq: 26 May 2023 15:43

Instrument :

MSVOA_V

ClientSampleId :

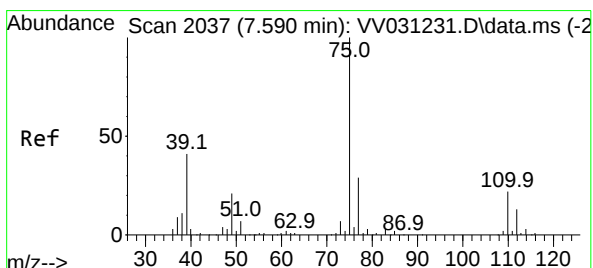
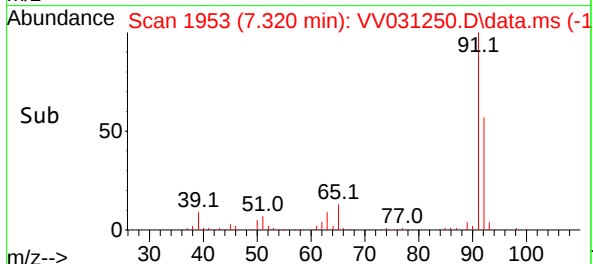
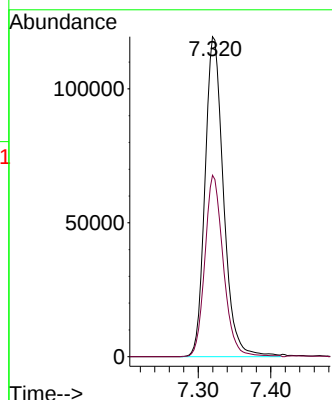
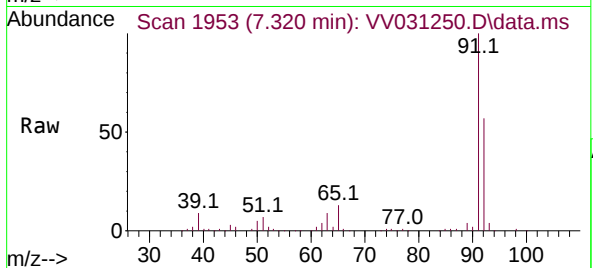
VSTD005358

Tgt Ion: 91 Resp: 211877

Ion Ratio Lower Upper

91 100

92 56.7 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 3.799 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.003 min

Lab File: VV031250.D

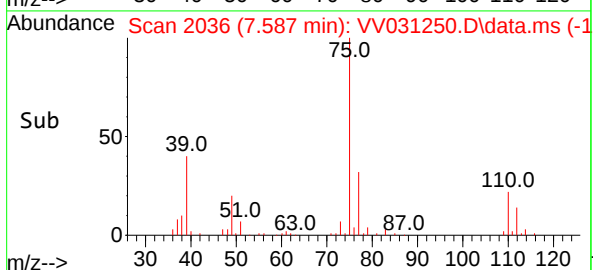
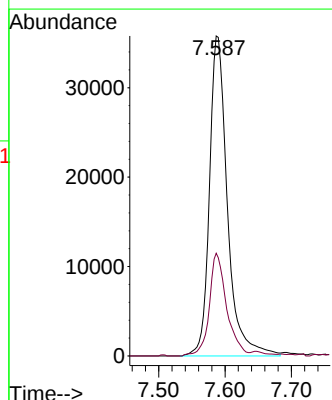
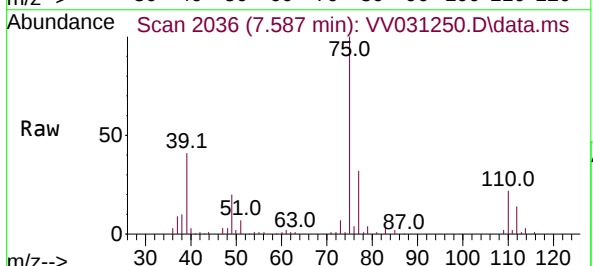
Acq: 26 May 2023 15:43

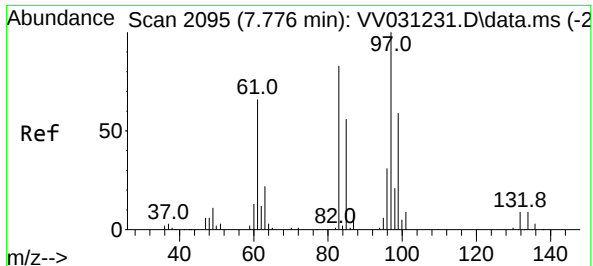
Tgt Ion: 75 Resp: 67465

Ion Ratio Lower Upper

75 100

77 32.1 20.4 38.0





#45

1,1,2-Trichloroethane

Concen: 4.314 ug/L

RT: 7.776 min Scan# 2095

Delta R.T. -0.000 min

Lab File: VV031250.D

Acq: 26 May 2023 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD005358

Tgt Ion: 97 Resp: 45062

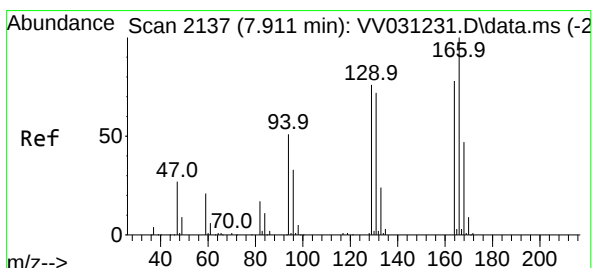
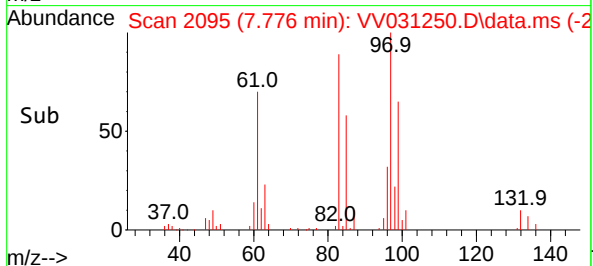
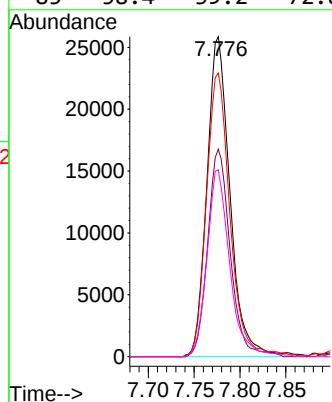
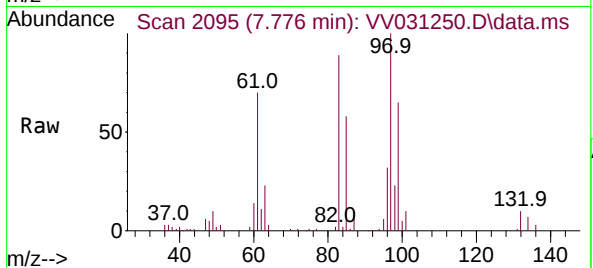
Ion Ratio Lower Upper

97 100

99 64.9 41.2 76.4

83 88.6 58.2 108.0

85 58.4 39.2 72.8



#47

Tetrachloroethene

Concen: 4.489 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VV031250.D

Acq: 26 May 2023 15:43

Tgt Ion: 164 Resp: 51541

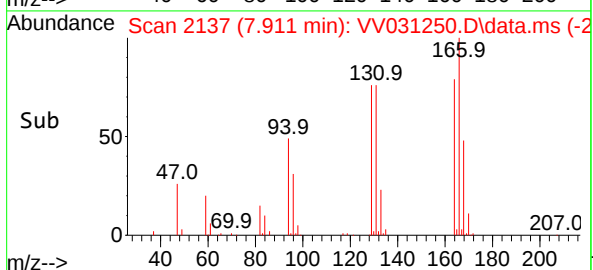
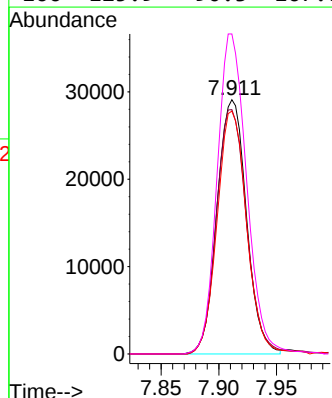
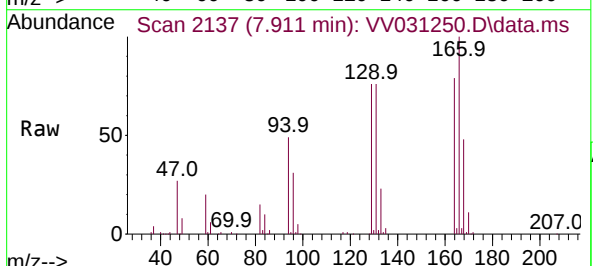
Ion Ratio Lower Upper

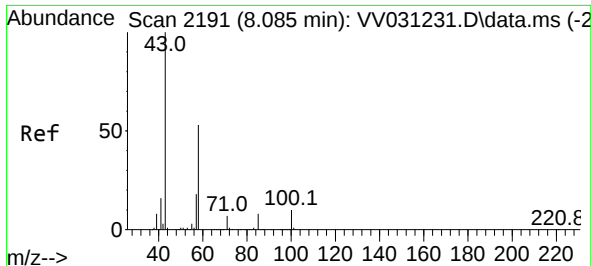
164 100

129 96.2 68.7 127.5

131 95.6 64.7 120.1

166 125.9 90.3 167.7

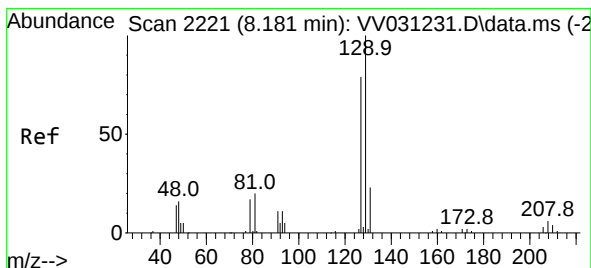
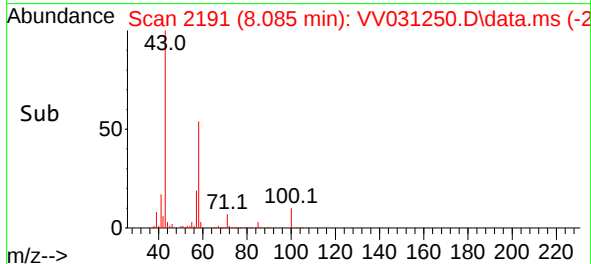
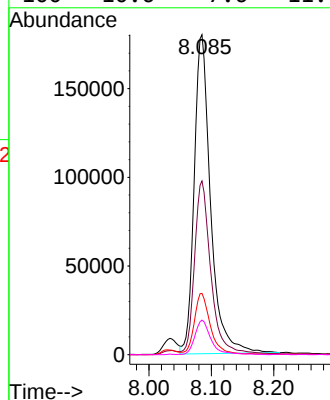
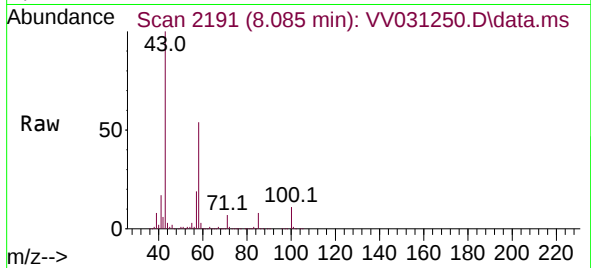




#48
2-Hexanone
Concen: 50.136 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. -0.000 min
Lab File: VV031250.D
Acq: 26 May 2023 15:43

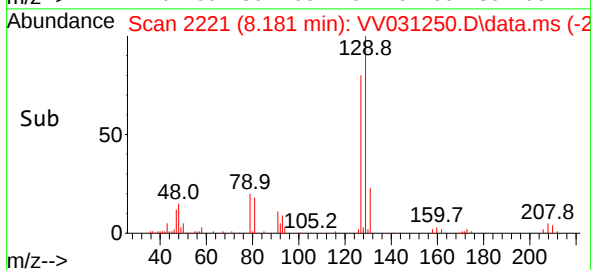
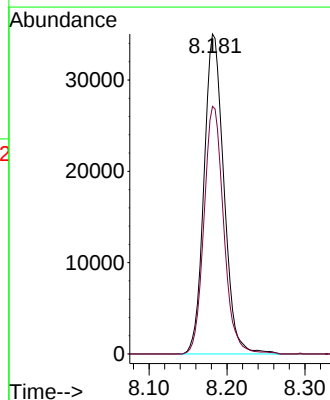
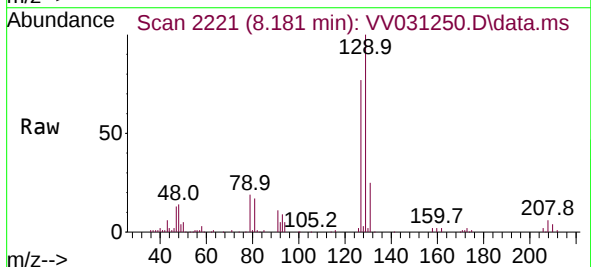
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

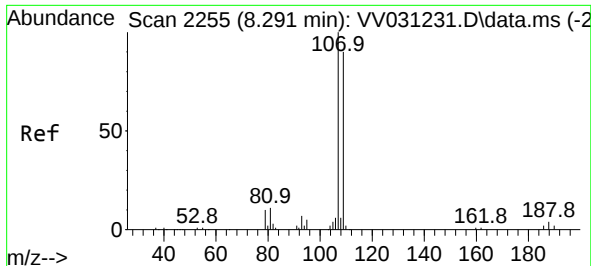
Tgt Ion: 43 Resp: 329344
Ion Ratio Lower Upper
43 100
58 53.5 41.4 62.0
57 18.2 14.1 21.1
100 10.6 7.6 11.4



#49
Dibromochloromethane
Concen: 4.940 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031250.D
Acq: 26 May 2023 15:43

Tgt Ion: 129 Resp: 61990
Ion Ratio Lower Upper
129 100
127 77.4 55.0 102.2





#50

1,2-Dibromoethane

Concen: 4.799 ug/L

RT: 8.287 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV031250.D

Acq: 26 May 2023 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD005358

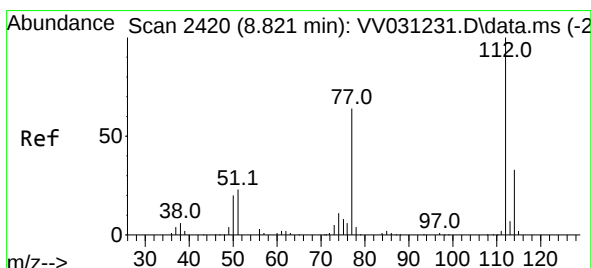
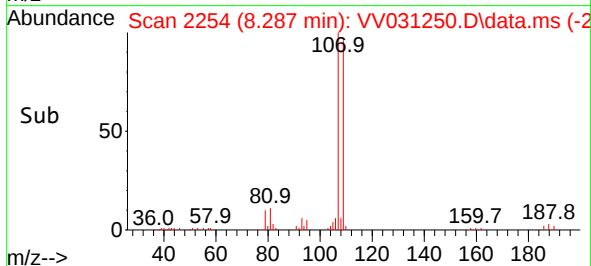
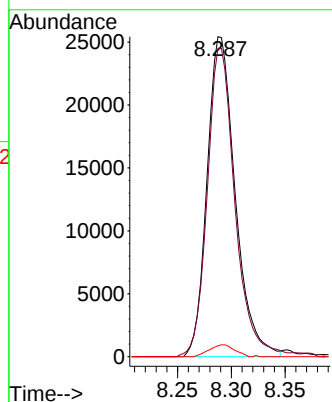
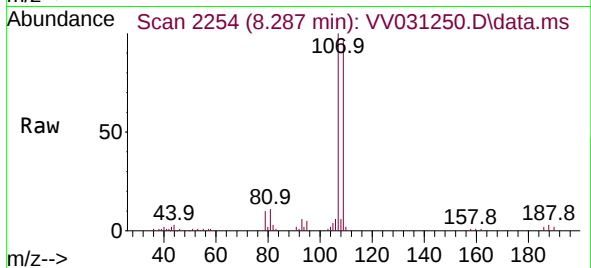
Tgt Ion:107 Resp: 46278

Ion Ratio Lower Upper

107 100

109 96.4 62.8 116.6

188 3.4 3.2 4.8



#51

Chlorobenzene

Concen: 4.773 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV031250.D

Acq: 26 May 2023 15:43

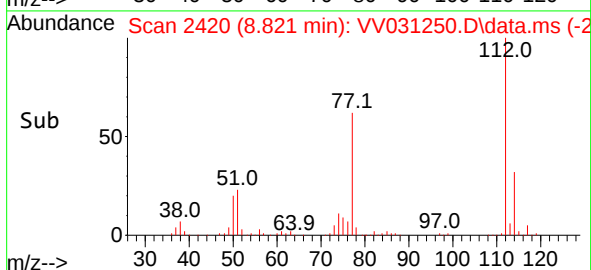
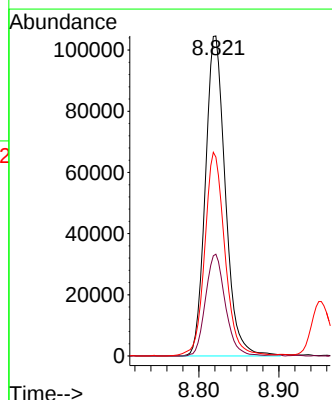
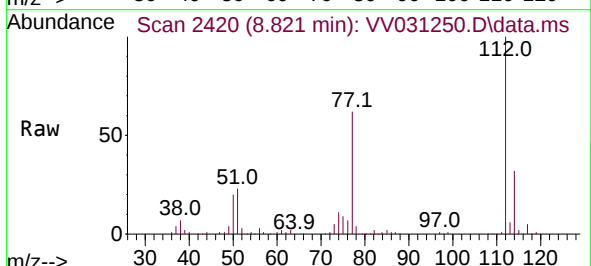
Tgt Ion:112 Resp: 181886

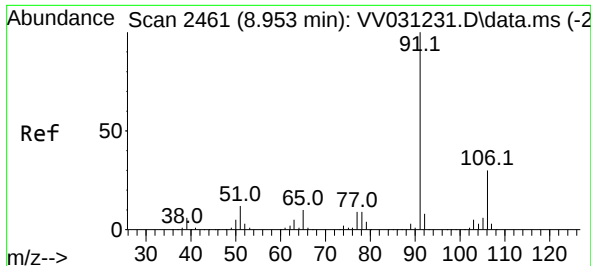
Ion Ratio Lower Upper

112 100

114 31.8 22.8 42.4

77 62.2 51.7 77.5

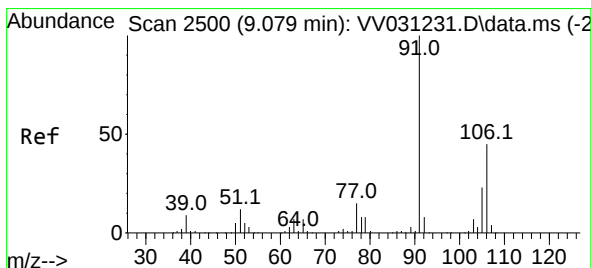
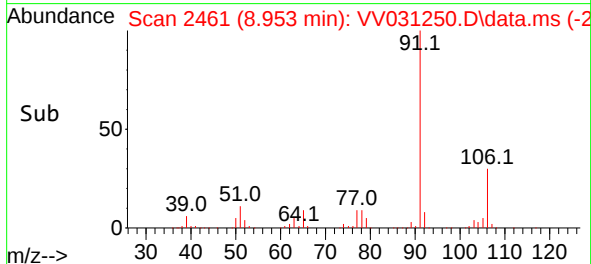
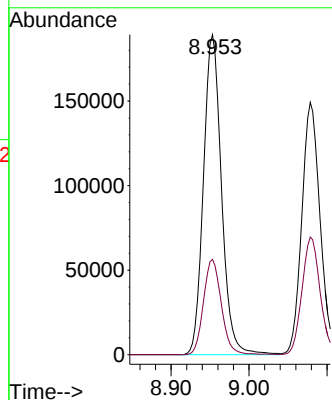
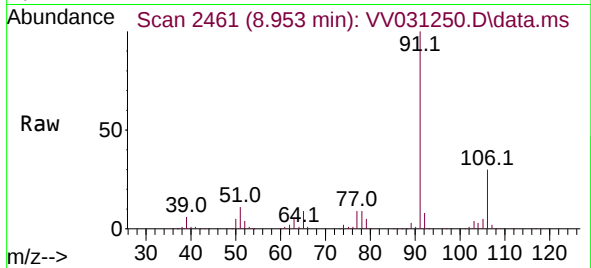




#52
Ethylbenzene
Concen: 4.778 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV031250.D
Acq: 26 May 2023 15:43

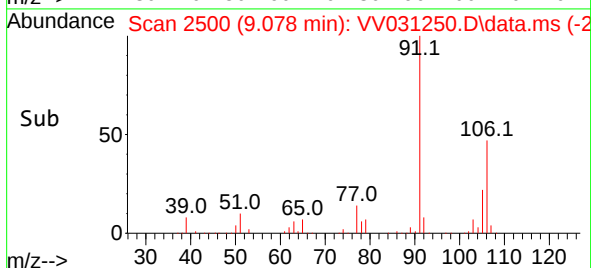
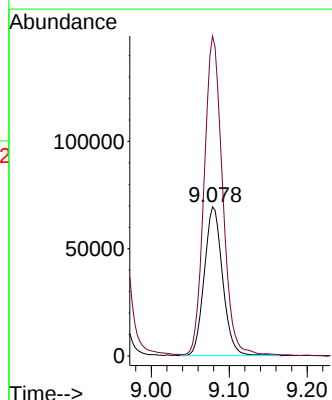
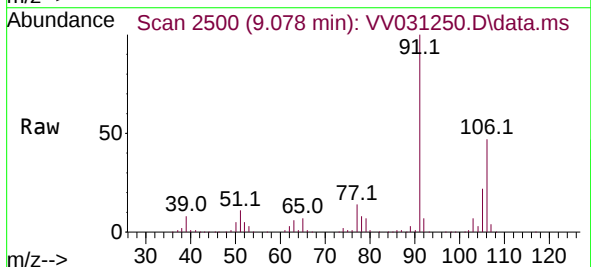
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

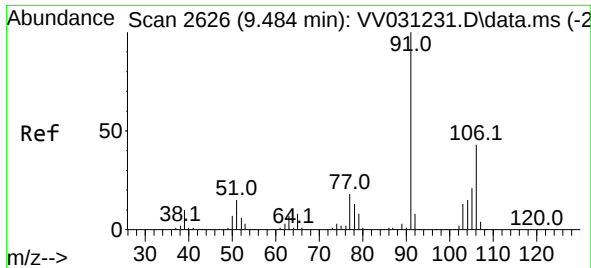
Tgt Ion: 91 Resp: 305187
Ion Ratio Lower Upper
91 100
106 29.8 21.1 39.1



#53
m,p-Xylene
Concen: 4.790 ug/L
RT: 9.078 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV031250.D
Acq: 26 May 2023 15:43

Tgt Ion: 106 Resp: 113052
Ion Ratio Lower Upper
106 100
91 214.6 154.7 287.3

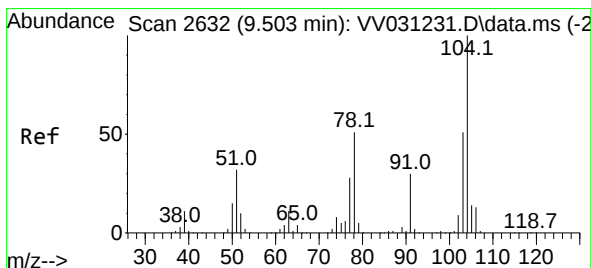
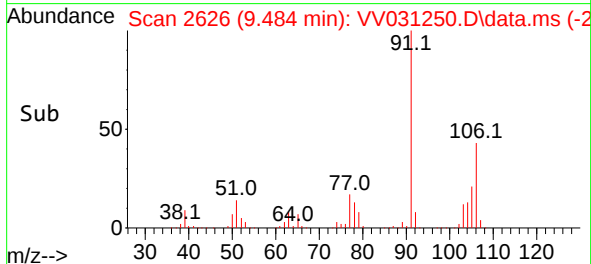
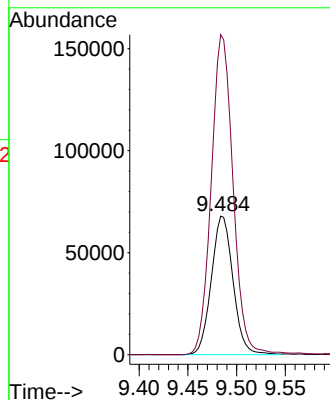
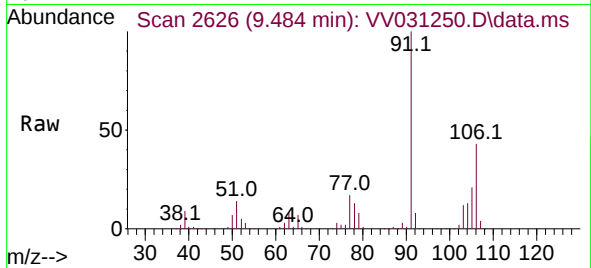




#54
o-Xylene
Concen: 4.689 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031250.D
Acq: 26 May 2023 15:43

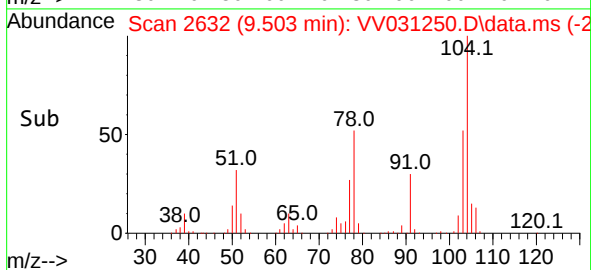
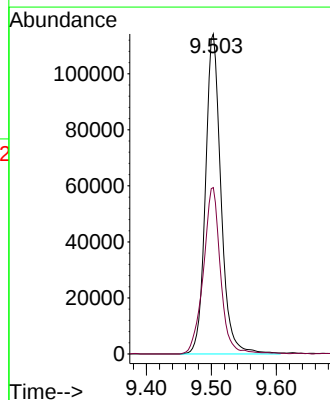
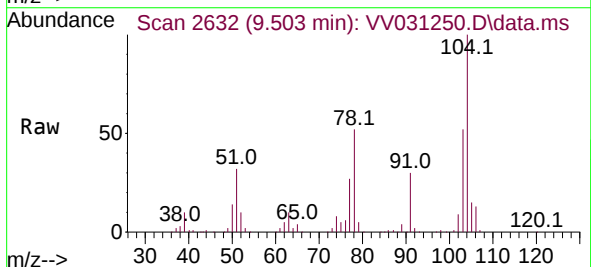
Instrument : MSVOA_V
ClientSampleId : VSTD005358

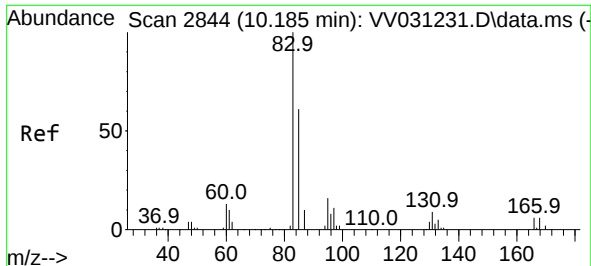
Tgt Ion:106 Resp: 105351
Ion Ratio Lower Upper
106 100
91 231.0 161.3 299.7



#55
Styrene
Concen: 4.801 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV031250.D
Acq: 26 May 2023 15:43

Tgt Ion:104 Resp: 190227
Ion Ratio Lower Upper
104 100
78 52.0 35.6 66.0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.543 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV031250.D

Acq: 26 May 2023 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD005358

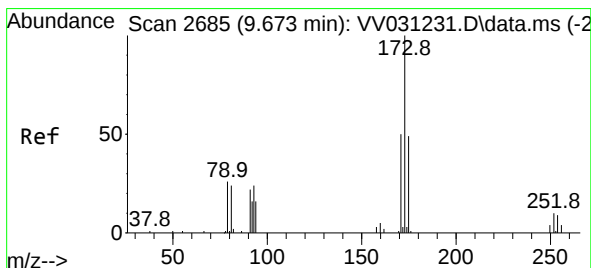
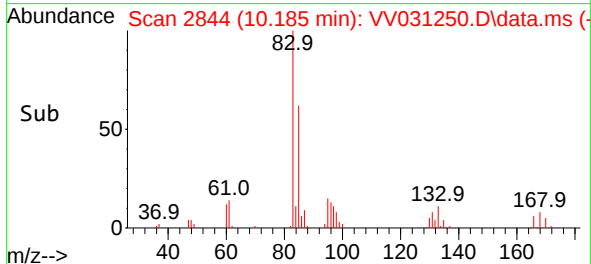
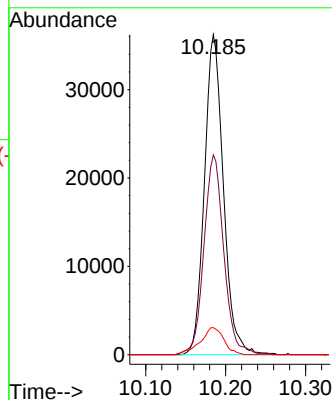
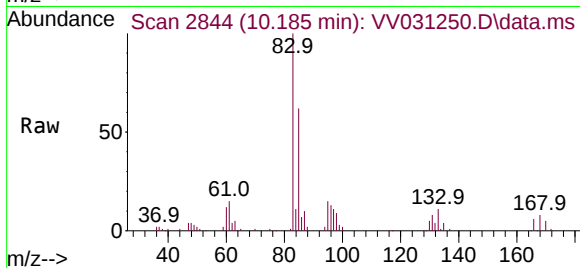
Tgt Ion: 83 Resp: 59897

Ion Ratio Lower Upper

83 100

85 62.4 43.0 80.0

131 8.5 7.6 11.4



#59

Bromoform

Concen: 4.802 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.003 min

Lab File: VV031250.D

Acq: 26 May 2023 15:43

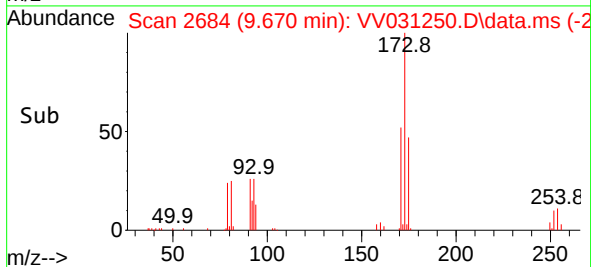
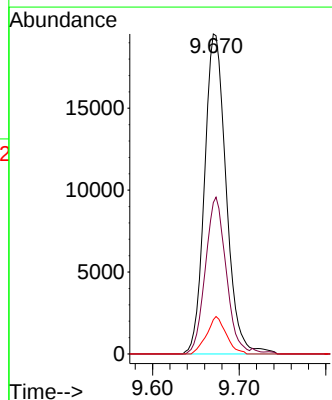
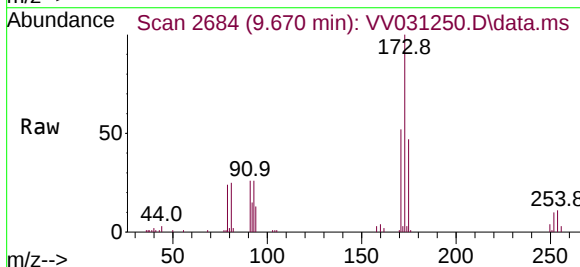
Tgt Ion: 173 Resp: 33868

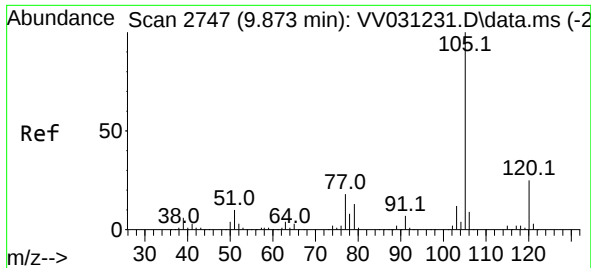
Ion Ratio Lower Upper

173 100

175 46.9 39.0 58.4

254 10.5 7.9 11.9

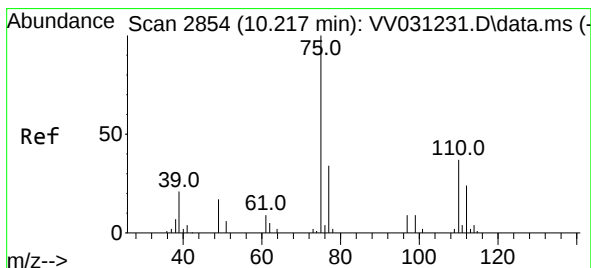
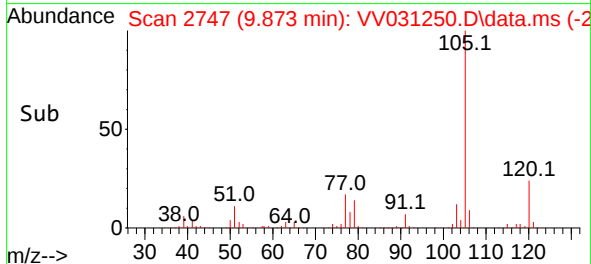
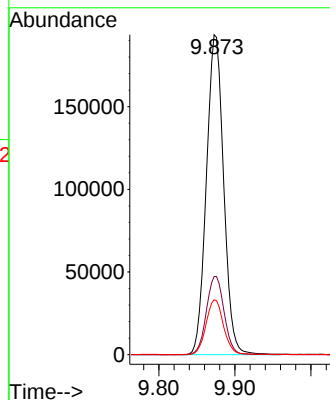
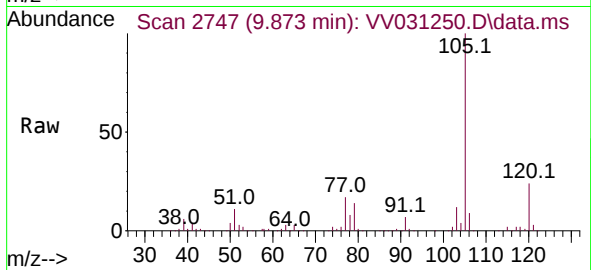




#60
Isopropylbenzene
Concen: 4.809 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031250.D
Acq: 26 May 2023 15:43

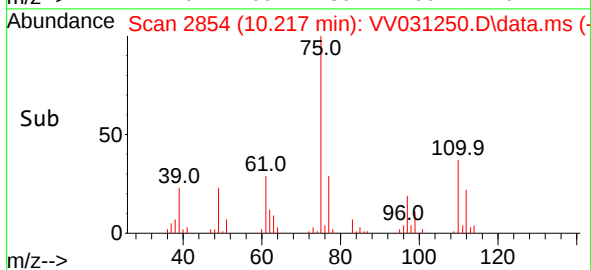
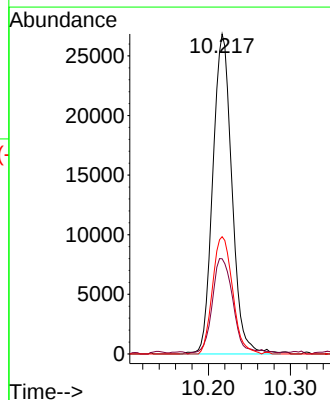
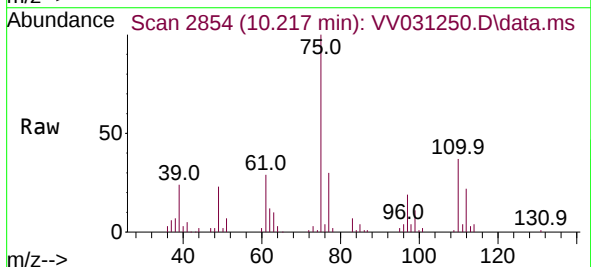
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

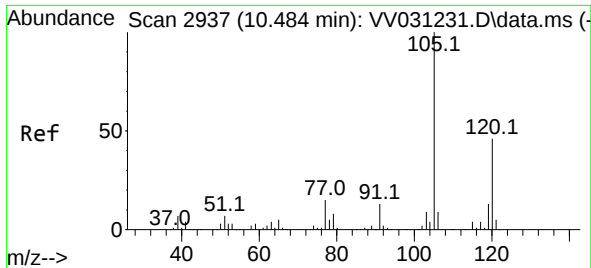
Tgt Ion:105 Resp: 305450
Ion Ratio Lower Upper
105 100
120 25.1 19.9 29.9
77 17.5 13.9 20.9



#61
1,2,3-Trichloropropane
Concen: 4.566 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV031250.D
Acq: 26 May 2023 15:43

Tgt Ion: 75 Resp: 43478
Ion Ratio Lower Upper
75 100
77 32.3 26.6 40.0
110 38.5 29.8 44.8

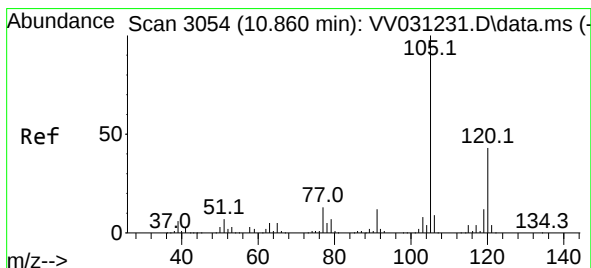
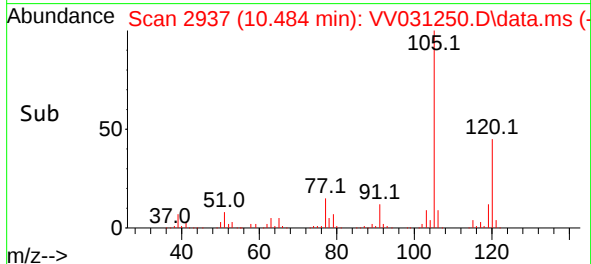
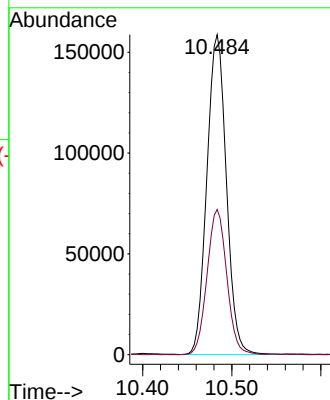
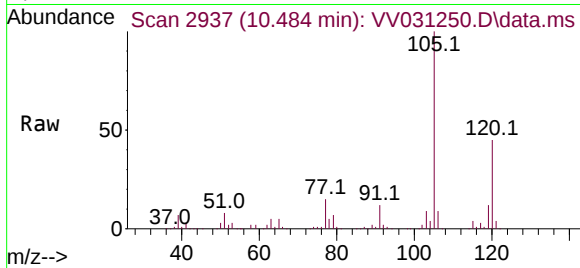




#62
1,3,5-Trimethylbenzene
Concen: 4.677 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VV031250.D
Acq: 26 May 2023 15:43

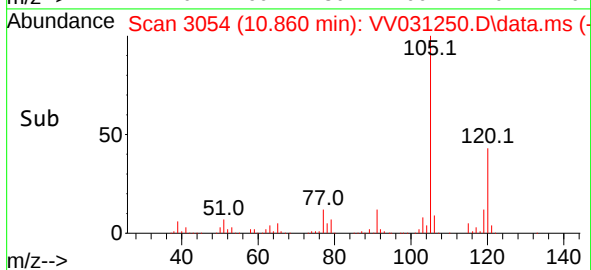
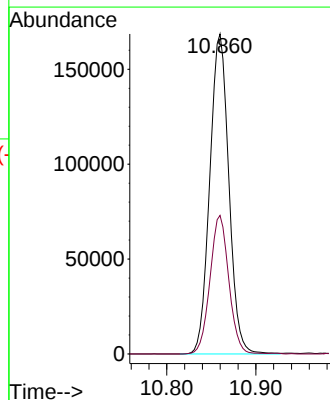
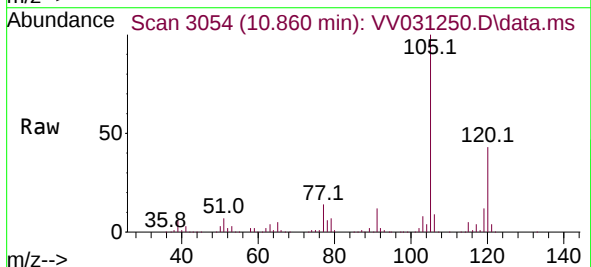
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

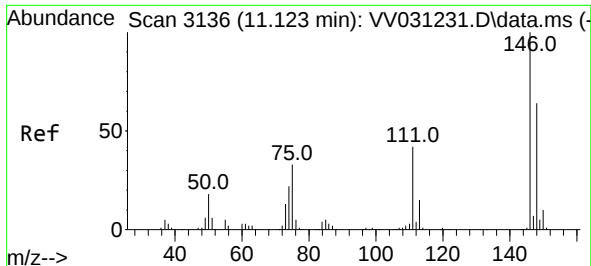
Tgt Ion:105 Resp: 240861
Ion Ratio Lower Upper
105 100
120 45.9 36.6 55.0



#63
1,2,4-Trimethylbenzene
Concen: 4.744 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. -0.000 min
Lab File: VV031250.D
Acq: 26 May 2023 15:43

Tgt Ion:105 Resp: 250191
Ion Ratio Lower Upper
105 100
120 42.8 34.4 51.6

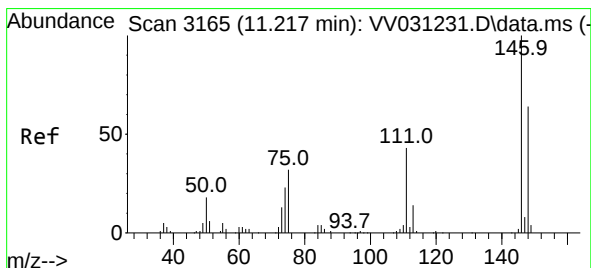
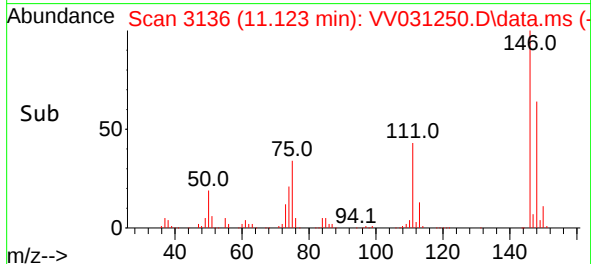
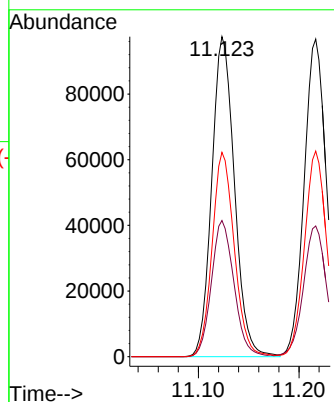
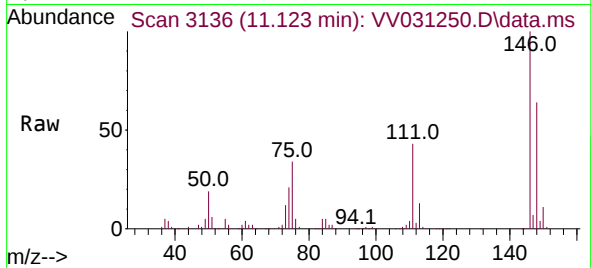




#64
 1,3-Dichlorobenzene
 Concen: 5.078 ug/L
 RT: 11.123 min Scan# 3136
 Delta R.T. -0.000 min
 Lab File: VV031250.D
 Acq: 26 May 2023 15:43

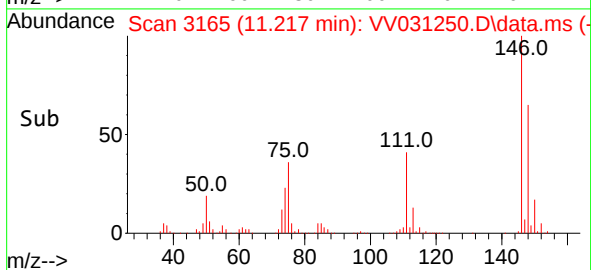
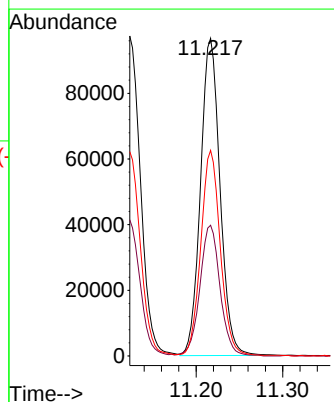
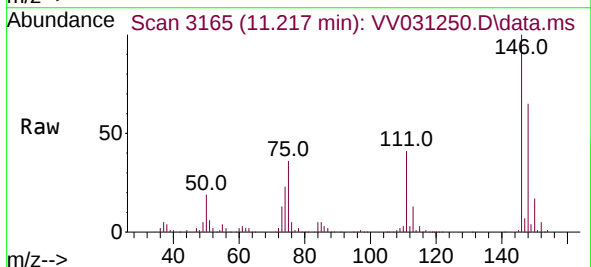
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005358

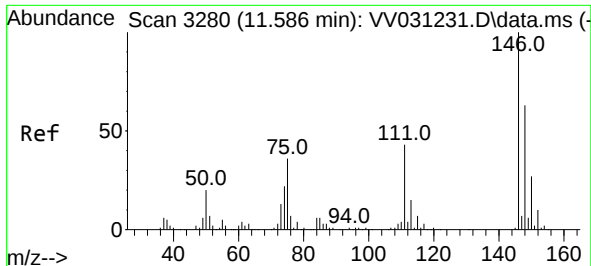
Tgt Ion:146 Resp: 152730
 Ion Ratio Lower Upper
 146 100
 111 42.5 29.5 54.9
 148 63.8 44.6 82.8



#65
 1,4-Dichlorobenzene
 Concen: 4.906 ug/L
 RT: 11.217 min Scan# 3165
 Delta R.T. -0.000 min
 Lab File: VV031250.D
 Acq: 26 May 2023 15:43

Tgt Ion:146 Resp: 150977
 Ion Ratio Lower Upper
 146 100
 111 41.1 30.4 56.5
 148 64.7 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 4.718 ug/L

RT: 11.586 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031250.D

Acq: 26 May 2023 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD005358

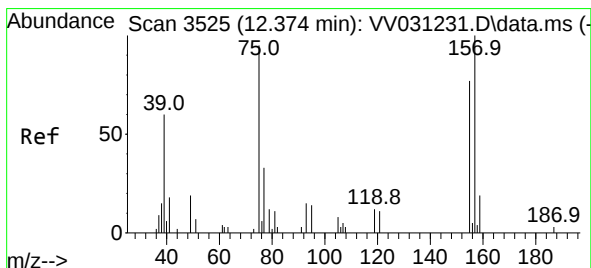
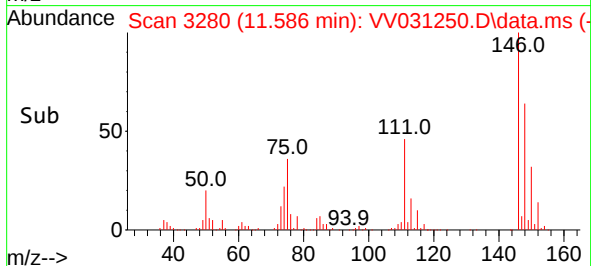
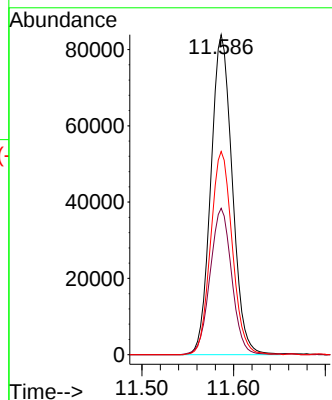
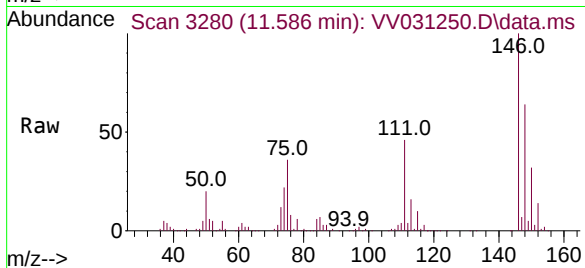
Tgt Ion:146 Resp: 135995

Ion Ratio Lower Upper

146 100

111 45.8 34.3 51.5

148 63.5 50.2 75.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.890 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.003 min

Lab File: VV031250.D

Acq: 26 May 2023 15:43

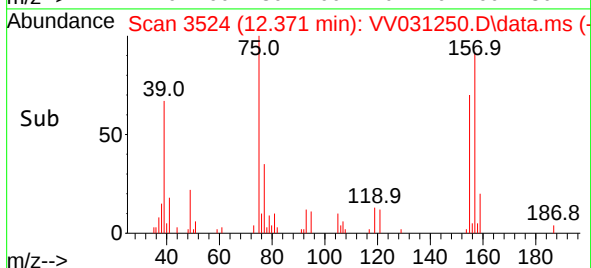
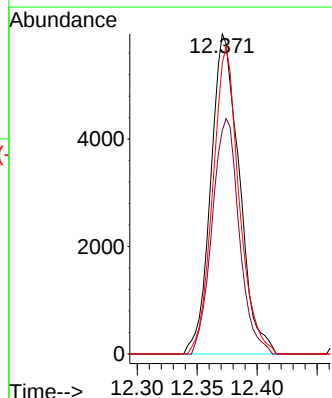
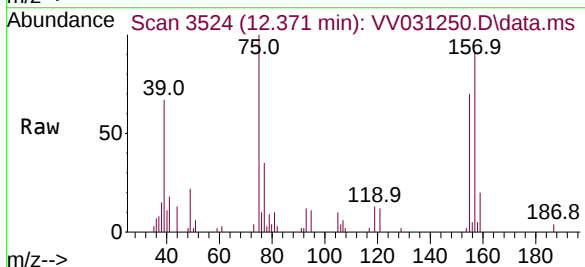
Tgt Ion: 75 Resp: 9813

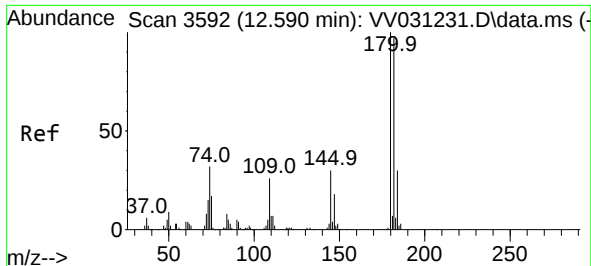
Ion Ratio Lower Upper

75 100

155 69.8 64.6 96.8

157 90.9 84.1 126.1

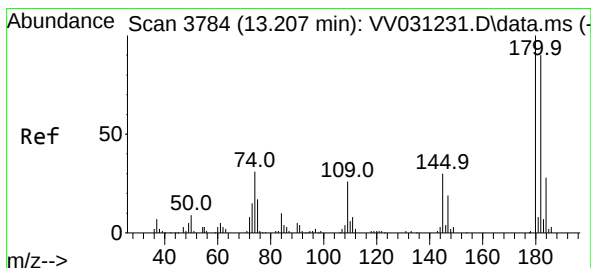
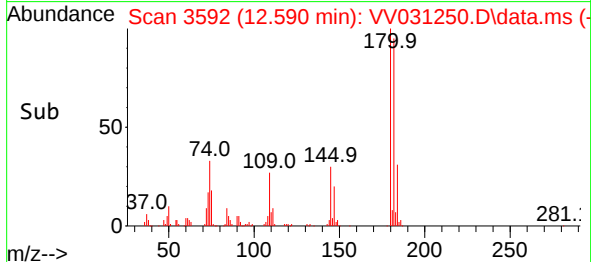
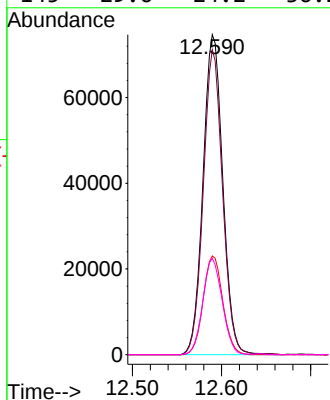
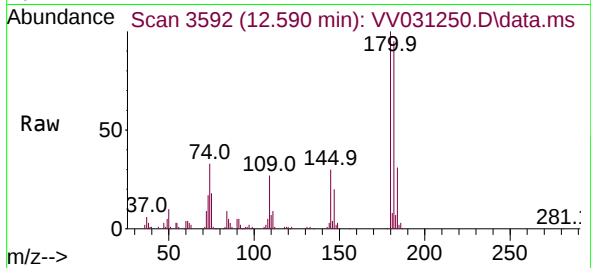




#69
 1,3,5-Trichlorobenzene
 Concen: 4.705 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. -0.000 min
 Lab File: VV031250.D
 Acq: 26 May 2023 15:43

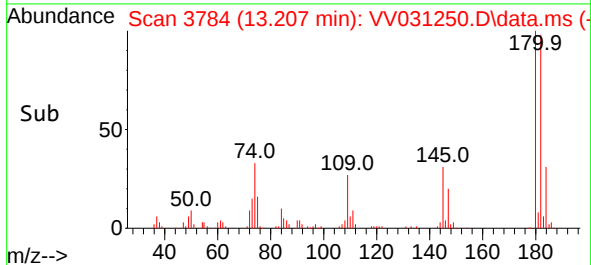
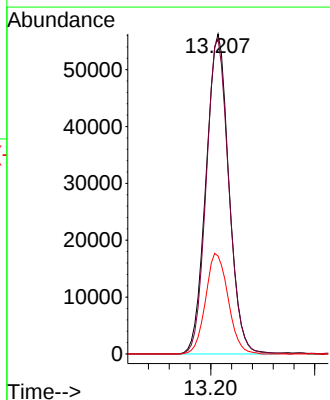
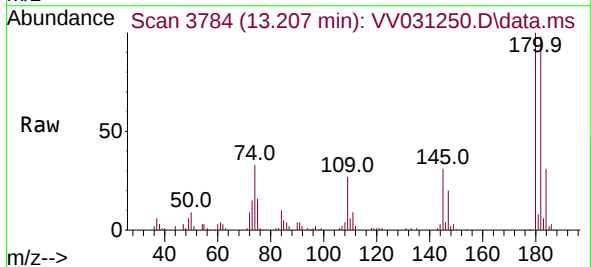
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005358

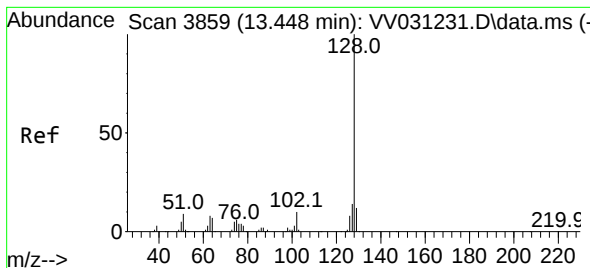
Tgt Ion:180	Resp:	114913
Ion Ratio	Lower	Upper
180	100	
182	92.7	76.6 114.8
184	30.7	24.9 37.3
145	29.6	24.2 36.2



#70
 1,2,4-trichlorobenzene
 Concen: 4.402 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. -0.000 min
 Lab File: VV031250.D
 Acq: 26 May 2023 15:43

Tgt Ion:180	Resp:	85925
Ion Ratio	Lower	Upper
180	100	
182	96.9	74.8 112.2
145	31.0	24.1 36.1





#71

Naphthalene

Concen: 3.743 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV031250.D

Acq: 26 May 2023 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD005358

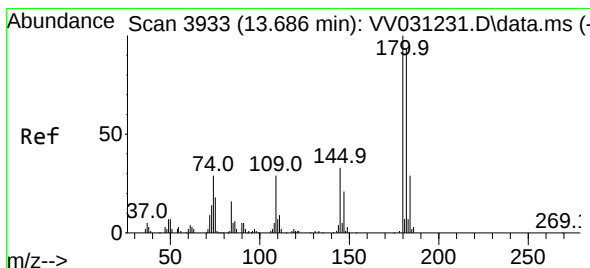
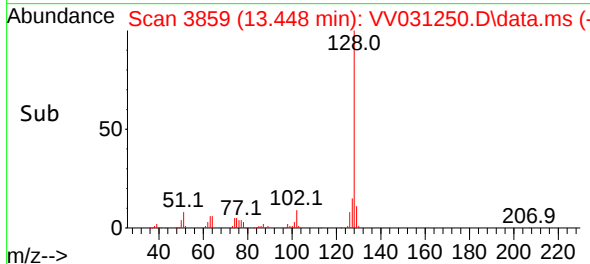
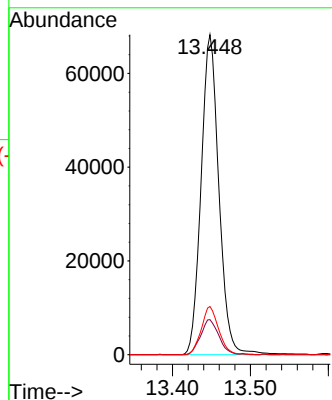
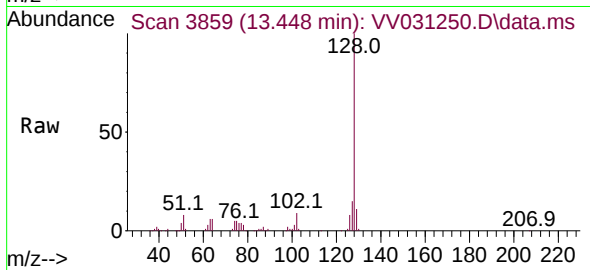
Tgt Ion:128 Resp: 108141

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

127 14.7 11.5 17.3



#72

1,2,3-Trichlorobenzene

Concen: 4.417 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.003 min

Lab File: VV031250.D

Acq: 26 May 2023 15:43

Tgt Ion:180 Resp: 74170

Ion Ratio Lower Upper

180 100

182 95.8 77.6 116.4

145 34.0 26.9 40.3

