

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031023\
 Data File : VW030148.D
 Acq On : 10 Mar 2023 10:43
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005296

Quant Time: Mar 10 23:58:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 03 22:25:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	145929	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	143152	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	87439	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	34946	3.701	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.000%
7) Chloroethane-d5	1.539	69	41460	4.678	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.600%
11) 1,1-Dichloroethene-d2	2.066	63	84124	4.334	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.600%
20) 2-Butanone-d5	3.818	46	107734	61.885	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.760%
24) Chloroform-d	4.259	84	105806	5.486	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.800%
26) 1,2-Dichloroethane-d4	4.953	65	44612	5.666	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.400%
32) Benzene-d6	4.969	84	178509	4.634	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
36) 1,2-Dichloropropane-d6	5.998	67	58838	5.077	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.600%
41) Toluene-d8	7.249	98	165465	4.532	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
43) trans-1,3-Dichloroprop...	7.561	79	19991	5.042	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.800%
46) 2-Hexanone-d5	8.034	63	96258	58.686	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.380%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	50460	6.121	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	122.400%#
66) 1,2-Dichlorobenzene-d4	11.570	152	72658	4.911	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	59196	4.986	ug/L	98
3) Chloromethane	1.217	50	82156	4.391	ug/L	99
5) Vinyl chloride	1.288	62	60708	4.882	ug/L	97
6) Bromomethane	1.494	94	11528	5.165	ug/L	98
8) Chloroethane	1.555	64	39041	5.153	ug/L	99
9) Trichlorofluoromethane	1.719	101	94718	5.309	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	58874	5.321	ug/L	96
12) 1,1-Dichloroethene	2.076	96	50605	5.167	ug/L	96
13) Acetone	2.150	43	66188	51.440	ug/L #	47
14) Carbon disulfide	2.246	76	118928	4.539	ug/L	99
15) Methyl Acetate	2.391	43	14442	4.806	ug/L	97
16) Methylene chloride	2.455	84	54142	4.525	ug/L	97
17) Methyl tert-butyl Ether	2.712	73	91284	4.766	ug/L	99
18) trans-1,2-Dichloroethene	2.703	96	45849	4.921	ug/L	99
19) 1,1-Dichloroethane	3.121	63	90410	5.210	ug/L	100
21) 2-Butanone	3.902	43	84311	48.722	ug/L	98
22) cis-1,2-Dichloroethene	3.825	96	50714	4.925	ug/L	99
23) Bromochloromethane	4.162	128	24031	5.461	ug/L	97
25) Chloroform	4.288	83	97003	5.373	ug/L	100

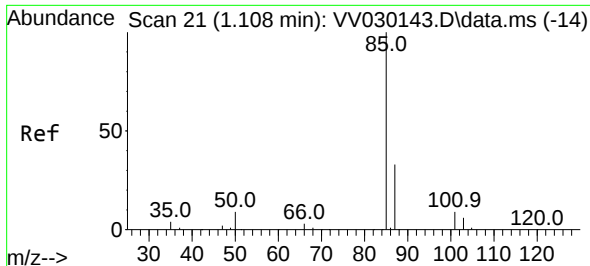
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 Data File : VW030148.D
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 03 22:25:34 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	48776	5.165	ug/L	99
29) 1,1,1-Trichloroethane	4.522	97	87067	5.178	ug/L	99
30) Cyclohexane	4.593	56	60140	4.139	ug/L	97
31) Carbon tetrachloride	4.744	117	79494	5.259	ug/L	98
33) Benzene	5.021	78	192209	4.916	ug/L	100
34) Trichloroethene	5.841	95	51425	4.694	ug/L	98
35) Methylcyclohexane	6.059	83	71572	4.317	ug/L	98
37) 1,2-Dichloropropane	6.101	63	50958	5.123	ug/L	99
38) Bromodichloromethane	6.442	83	68245	5.375	ug/L	98
39) cis-1,3-Dichloropropene	6.963	75	69413	4.767	ug/L	100
40) 4-Methyl-2-pentanone	7.169	43	201535	49.104	ug/L	100
42) Toluene	7.323	91	213462	5.041	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	57965	5.100	ug/L	97
45) 1,1,2-Trichloroethane	7.776	97	36184	5.084	ug/L	96
47) Tetrachloroethene	7.911	164	46608	4.957	ug/L	99
48) 2-Hexanone	8.085	43	150664	51.277	ug/L	99
49) Dibromochloromethane	8.185	129	46086	5.534	ug/L	95
50) 1,2-Dibromoethane	8.291	107	34291	5.164	ug/L	100
51) Chlorobenzene	8.821	112	142048	4.974	ug/L	98
52) Ethylbenzene	8.953	91	220396	4.783	ug/L	98
53) m,p-Xylene	9.082	106	86784	4.900	ug/L	96
54) o-Xylene	9.487	106	81056	4.791	ug/L	99
55) Styrene	9.503	104	143331	5.095	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.188	83	42546	5.344	ug/L	99
59) Bromoform	9.673	173	27963	5.336	ug/L	100
60) Isopropylbenzene	9.876	105	230807	4.588	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	27967	4.779	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	181587	4.394	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	190480	4.506	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	127079	4.851	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	126925	4.802	ug/L	99
67) 1,2-Dichlorobenzene	11.590	146	113398	4.902	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	6266	4.794	ug/L	94
69) 1,3,5-Trichlorobenzene	12.593	180	98411	4.570	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	75104	4.305	ug/L	99
71) Naphthalene	13.448	128	91467	4.012	ug/L	99
72) 1,2,3-Trichlorobenzene	13.693	180	63497	4.421	ug/L	100

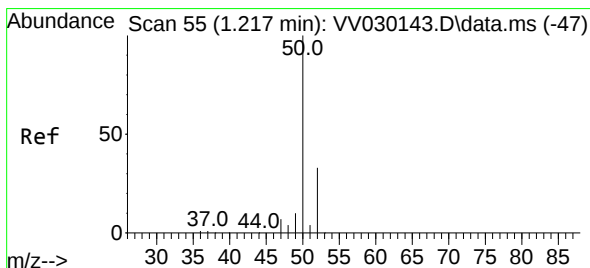
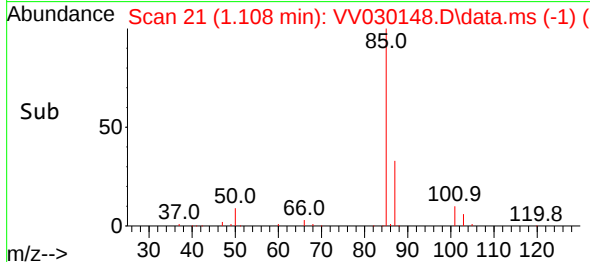
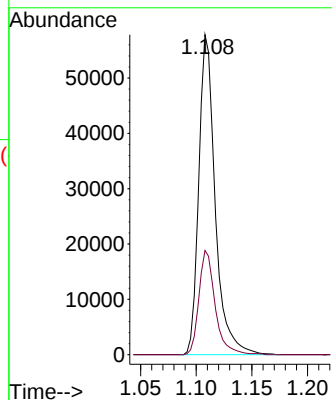
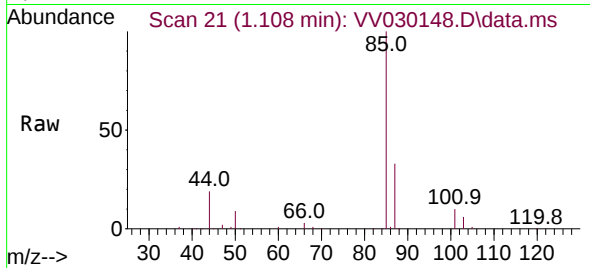
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#2
 Dichlorodifluoromethane
 Concen: 4.986 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030148.D
 Acq: 10 Mar 2023 10:43

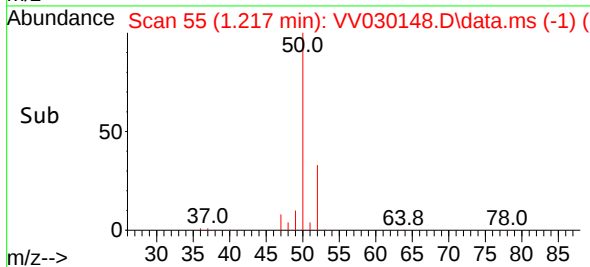
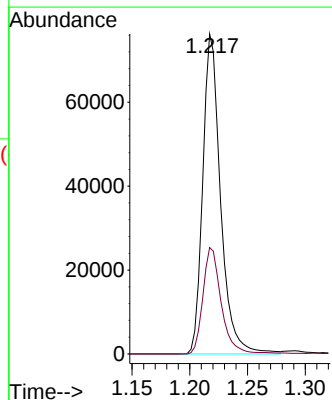
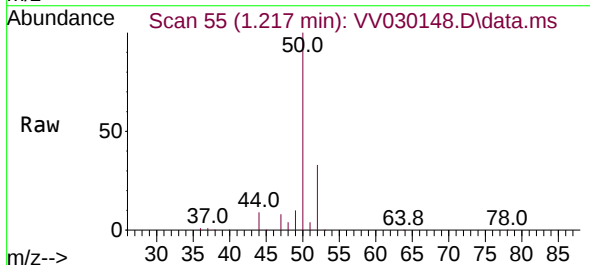
Instrument :
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 ClientSampleId :
 VSTD005296

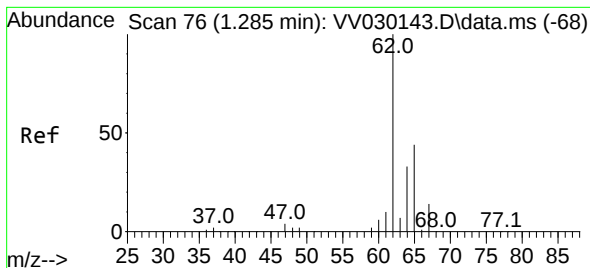
Tgt Ion: 85 Resp: 59196
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.6 39.8



#3
 Chloromethane
 Concen: 4.391 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030148.D
 Acq: 10 Mar 2023 10:43

Tgt Ion: 50 Resp: 82156
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.6 43.8





#5

Vinyl chloride

Concen: 4.882 ug/L

RT: 1.288 min Scan# 71

Delta R.T. 0.003 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

Instrument :

MSVOA_V

ClientSampleId :

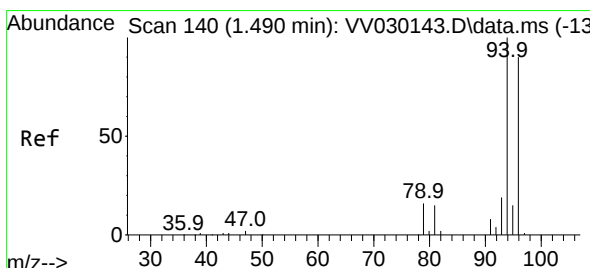
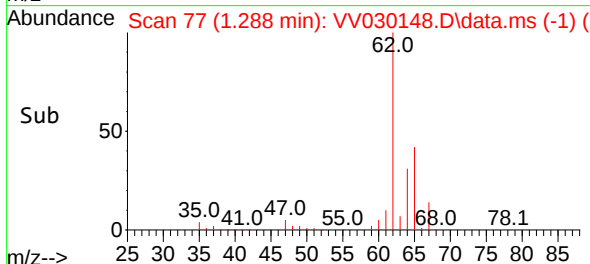
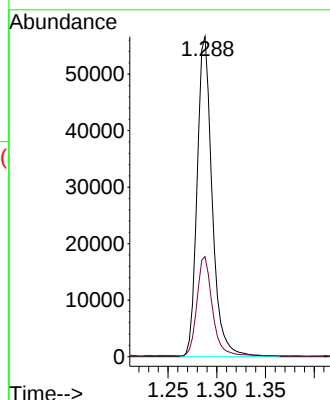
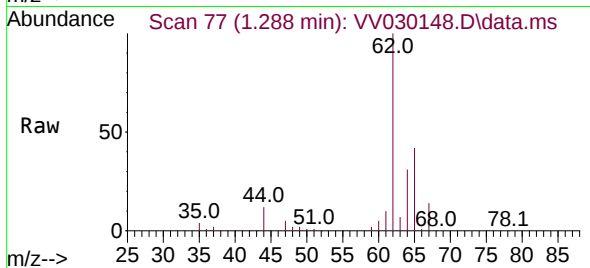
VSTD005296

Tgt Ion: 62 Resp: 60708

Ion Ratio Lower Upper

62 100

64 31.3 23.1 42.9



#6

Bromomethane

Concen: 5.165 ug/L

RT: 1.494 min Scan# 141

Delta R.T. 0.003 min

Lab File: VV030148.D

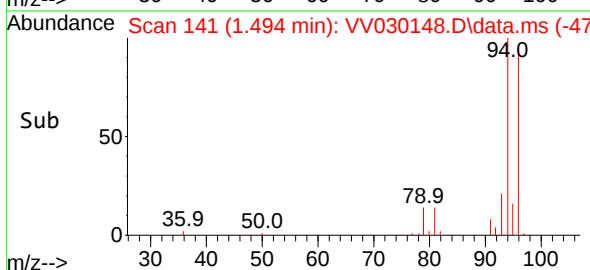
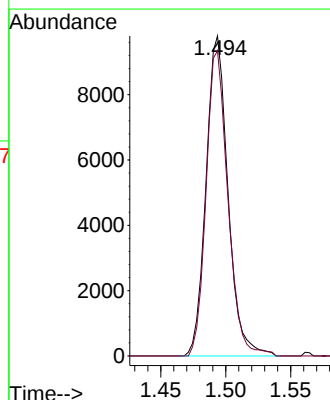
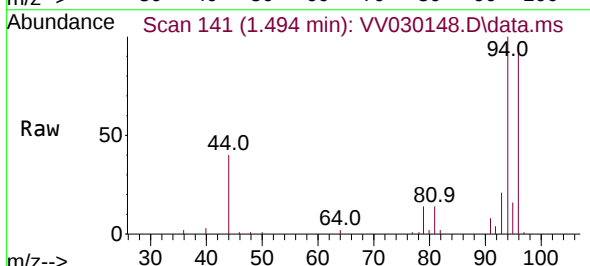
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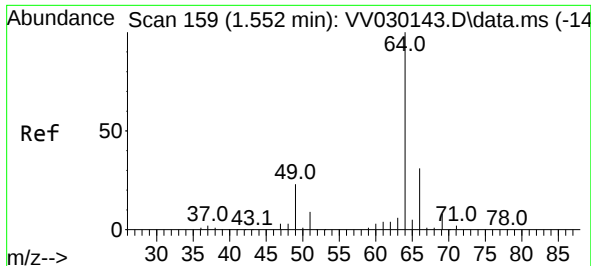
Tgt Ion: 94 Resp: 11528

Ion Ratio Lower Upper

94 100

96 95.4 68.4 127.0

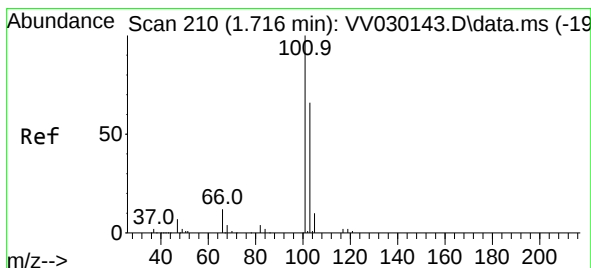
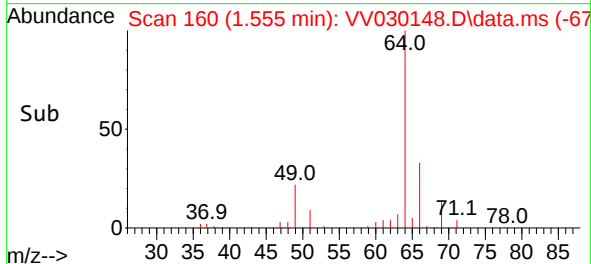
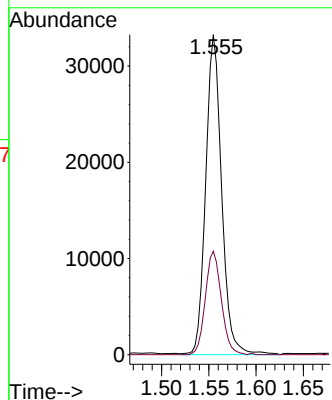
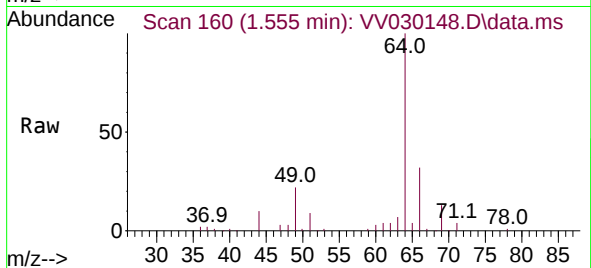




#8
Chloroethane
Concen: 5.153 ug/L
RT: 1.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV030148.D
Acq: 10 Mar 2023 10:43

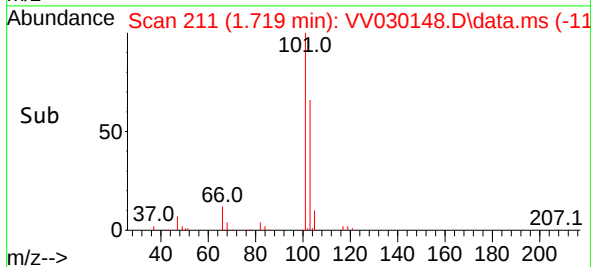
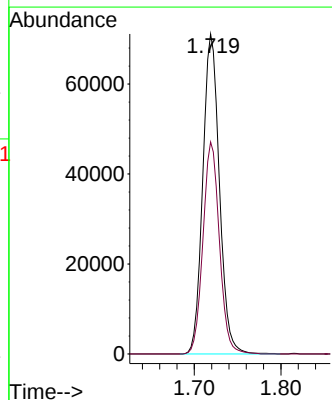
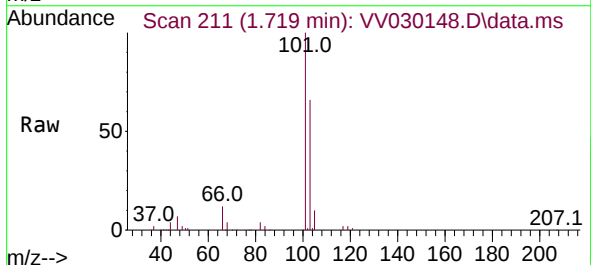
Instrument :
MSVOA_V
ClientSampleId :
VSTD005296

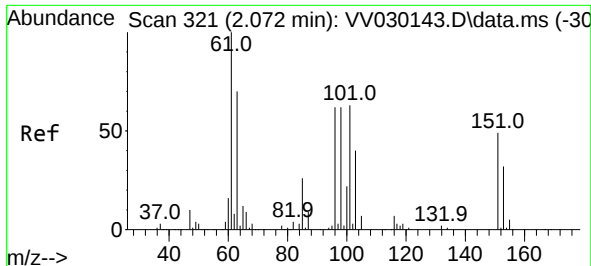
Tgt Ion: 64 Resp: 39041
Ion Ratio Lower Upper
64 100
66 32.3 22.4 41.6



#9
Trichlorofluoromethane
Concen: 5.309 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV030148.D
Acq: 10 Mar 2023 10:43

Tgt Ion:101 Resp: 94718
Ion Ratio Lower Upper
101 100
103 65.4 52.7 79.1

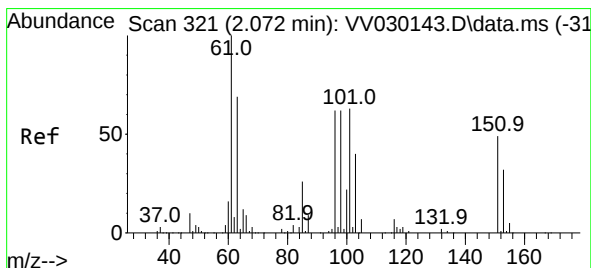
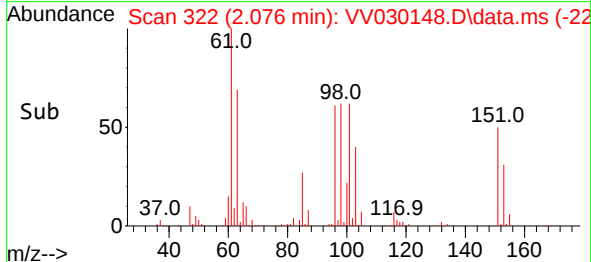
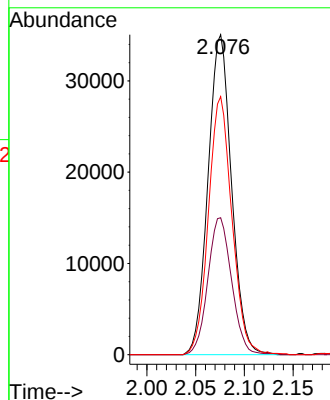
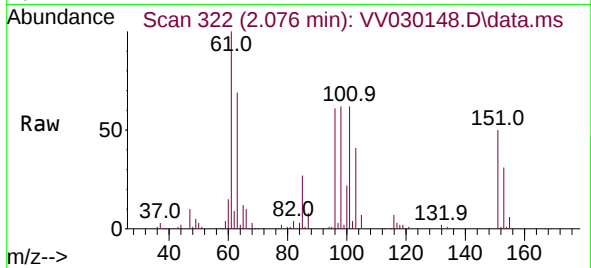




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.321 ug/L
RT: 2.076 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030148.D
Acq: 10 Mar 2023 10:43

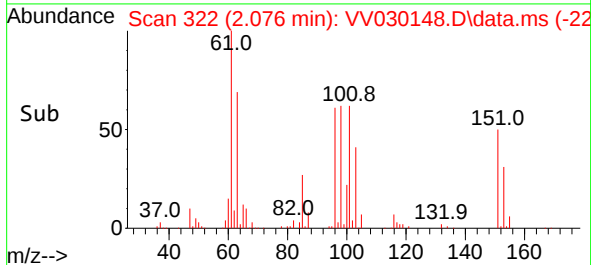
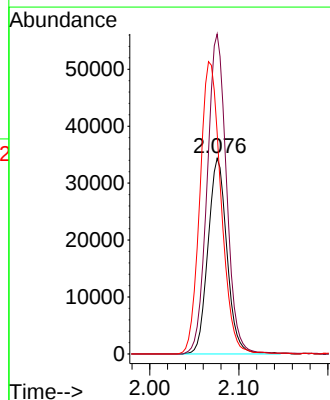
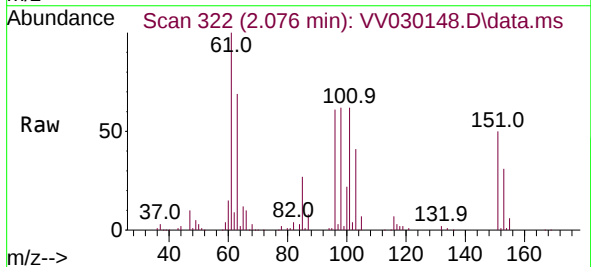
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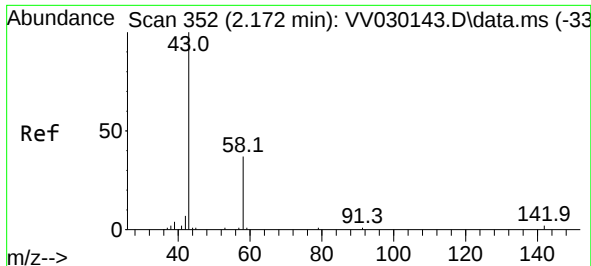
Tgt Ion:101 Resp: 58874
Ion Ratio Lower Upper
101 100
85 43.3 33.5 50.3
151 80.8 61.6 92.4



#12
1,1-Dichloroethene
Concen: 5.167 ug/L
RT: 2.076 min Scan# 322
Delta R.T. -0.000 min
Lab File: VV030148.D
Acq: 10 Mar 2023 10:43

Tgt Ion: 96 Resp: 50605
Ion Ratio Lower Upper
96 100
61 163.5 115.6 214.6
63 113.0 85.6 159.0





#13

Acetone

Concen: 51.440 ug/L

RT: 2.150 min Scan# 34

Delta R.T. -0.016 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

Instrument :

MSVOA_V

ClientSampleId :

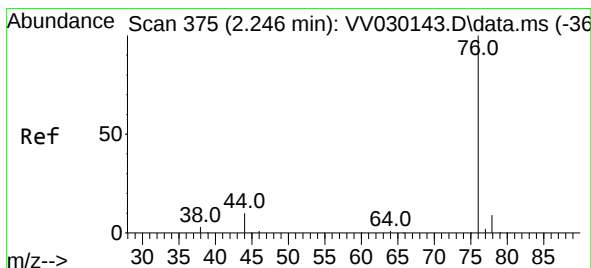
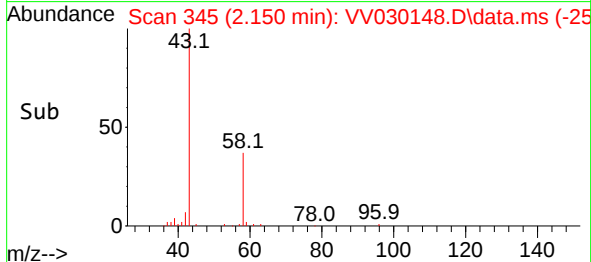
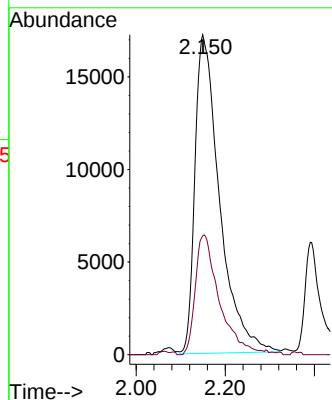
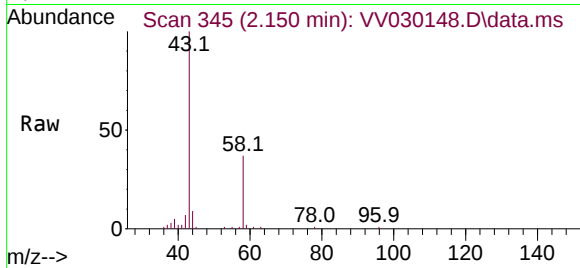
VSTD005296

Tgt Ion: 43 Resp: 66188

Ion Ratio Lower Upper

43 100

58 36.7 0.0 29.4#



#14

Carbon disulfide

Concen: 4.539 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV030148.D

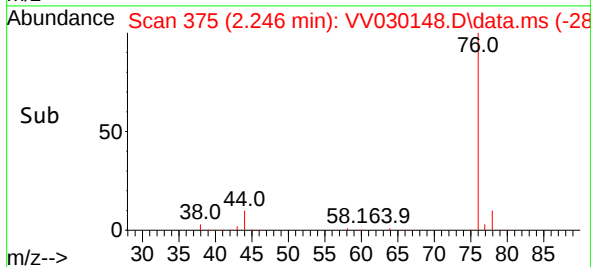
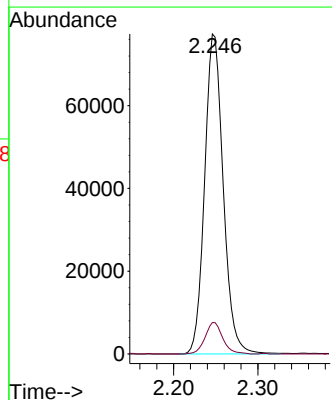
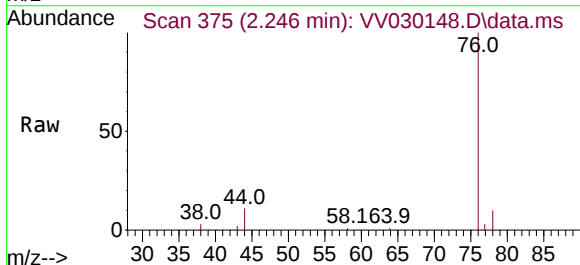
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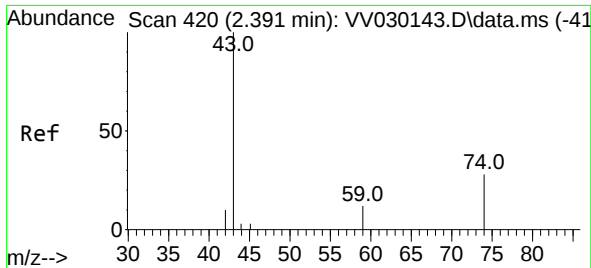
Tgt Ion: 76 Resp: 118928

Ion Ratio Lower Upper

76 100

78 9.8 7.7 11.5

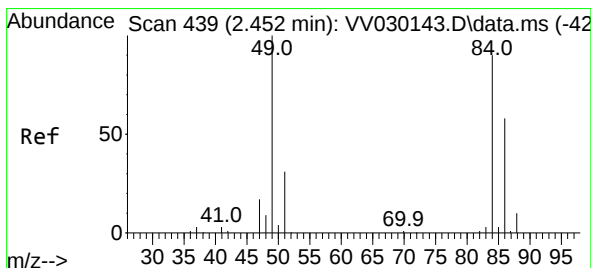
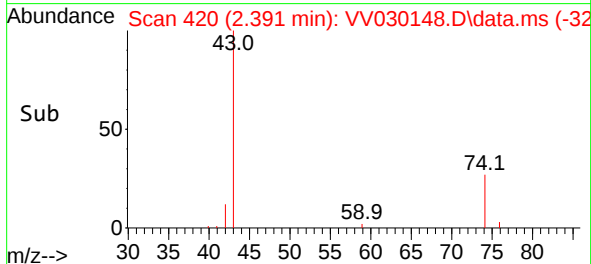
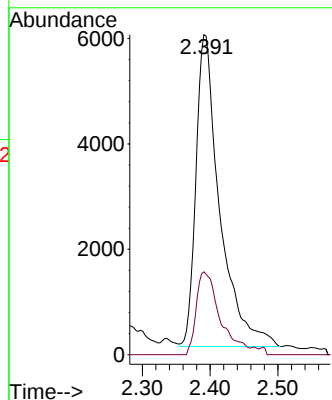
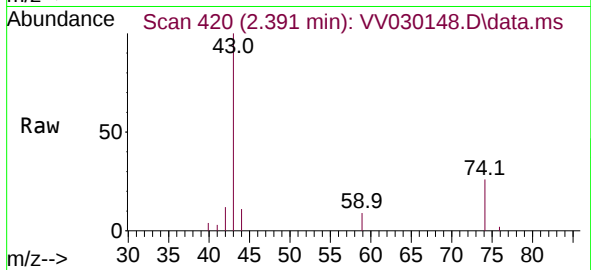




#15
Methyl Acetate
Concen: 4.806 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV030148.D
Acq: 10 Mar 2023 10:43

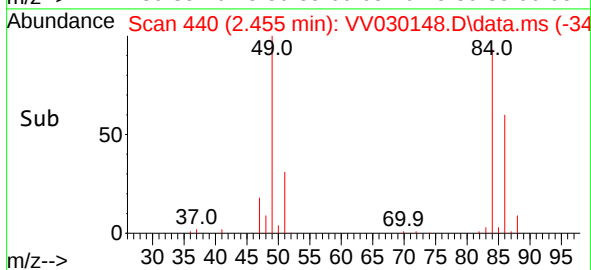
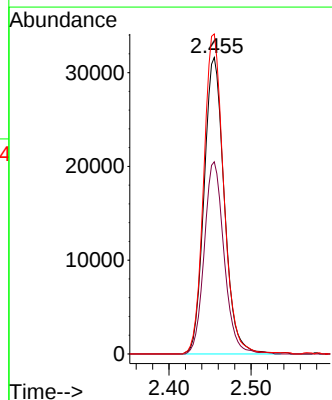
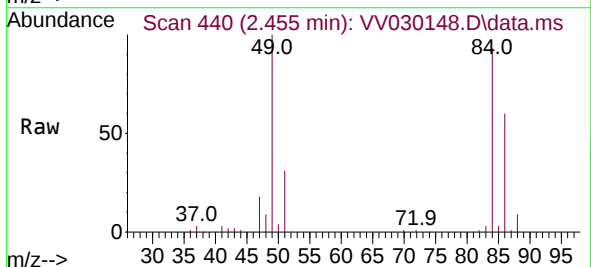
Instrument :
MSVOA_V
ClientSampleId :
VSTD005296

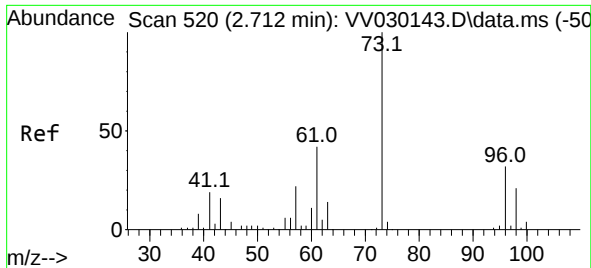
Tgt Ion: 43 Resp: 14442
Ion Ratio Lower Upper
43 100
74 26.5 20.1 30.1



#16
Methylene chloride
Concen: 4.525 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030148.D
Acq: 10 Mar 2023 10:43

Tgt Ion: 84 Resp: 54142
Ion Ratio Lower Upper
84 100
86 64.8 44.7 83.1
49 107.9 78.8 146.3





#17

Methyl tert-butyl Ether

Concen: 4.766 ug/L

RT: 2.712 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD005296

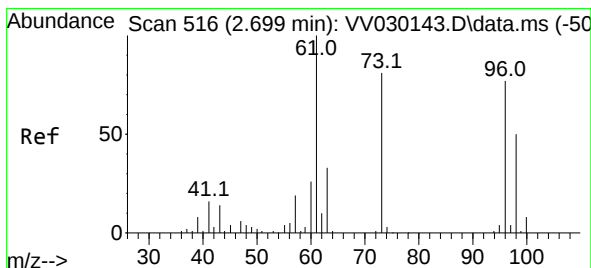
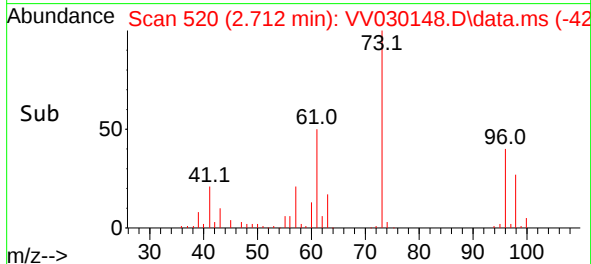
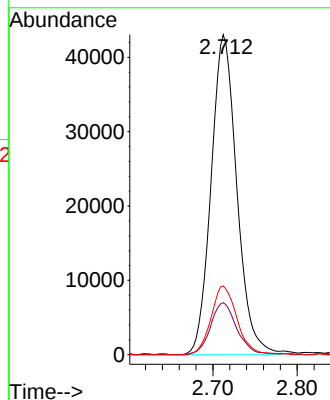
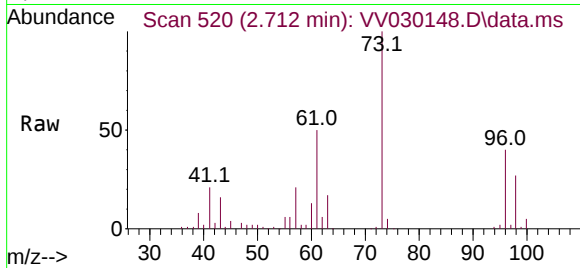
Tgt Ion: 73 Resp: 91284

Ion Ratio Lower Upper

73 100

43 16.7 13.4 20.2

57 21.6 16.8 25.2



#18

trans-1,2-Dichloroethene

Concen: 4.921 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

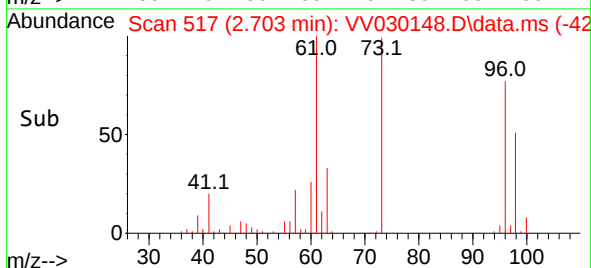
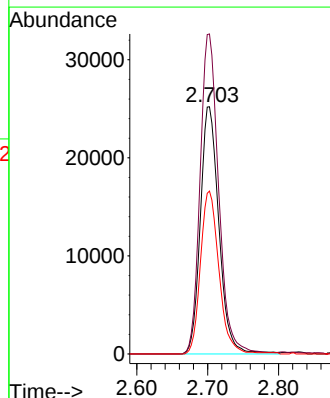
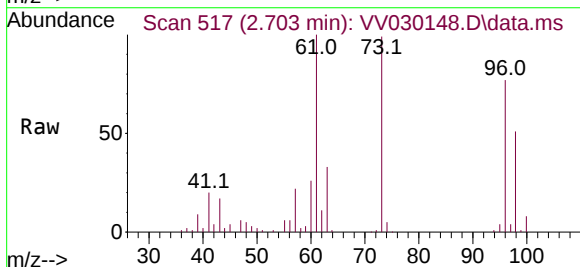
Tgt Ion: 96 Resp: 45849

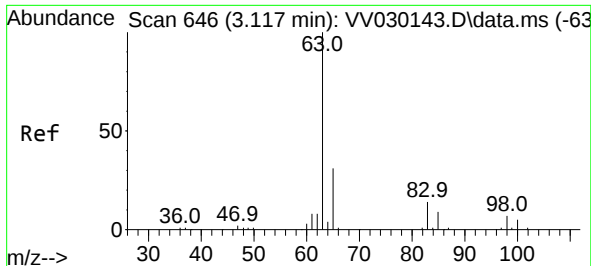
Ion Ratio Lower Upper

96 100

61 129.5 91.0 169.0

98 65.9 45.2 84.0





#19

1,1-Dichloroethane

Concen: 5.210 ug/L

RT: 3.121 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD005296

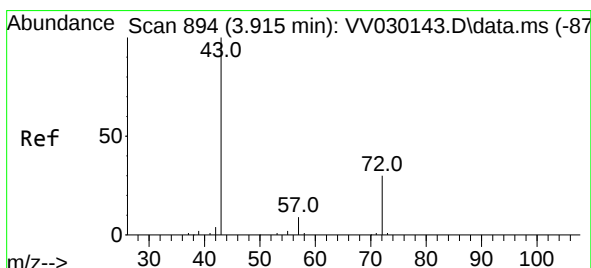
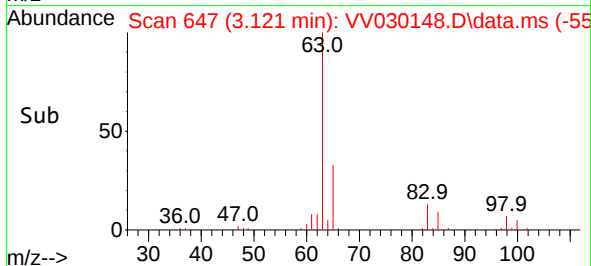
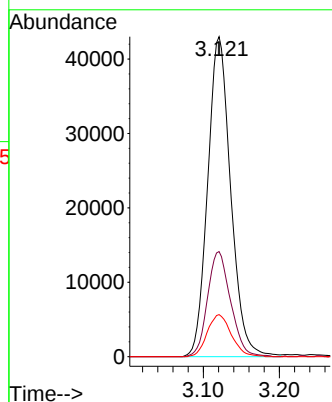
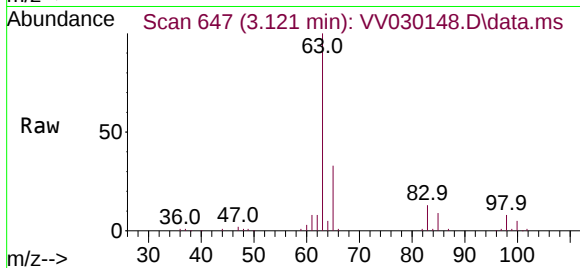
Tgt Ion: 63 Resp: 90410

Ion Ratio Lower Upper

63 100

65 32.9 23.0 42.8

83 13.1 9.6 17.8



#21

2-Butanone

Concen: 48.722 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.007 min

Lab File: VV030148.D

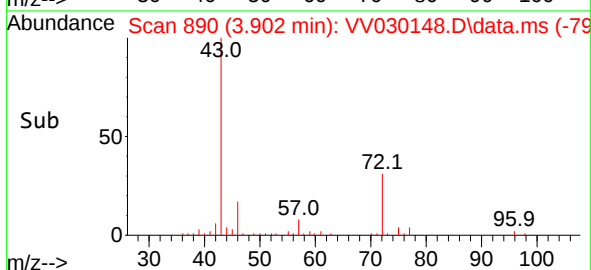
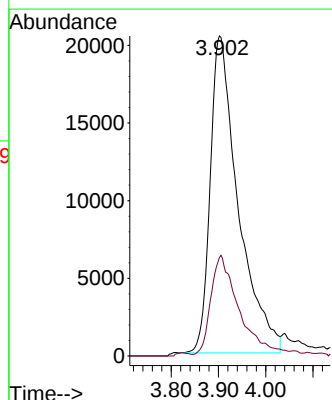
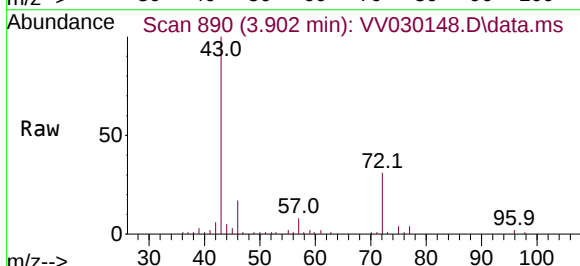
Acq: 10 Mar 2023 10:43

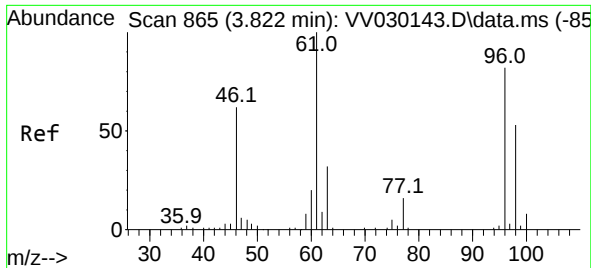
Tgt Ion: 43 Resp: 84311

Ion Ratio Lower Upper

43 100

72 31.1 15.1 45.3

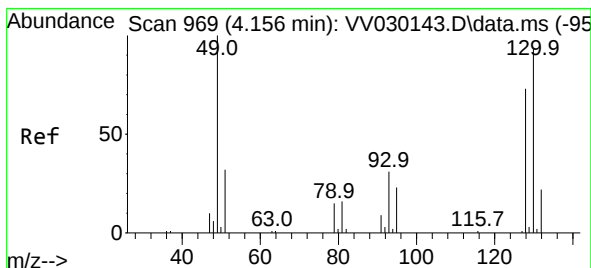
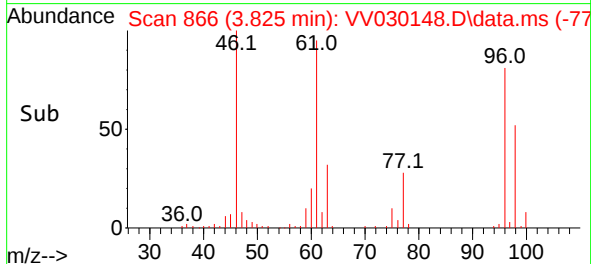
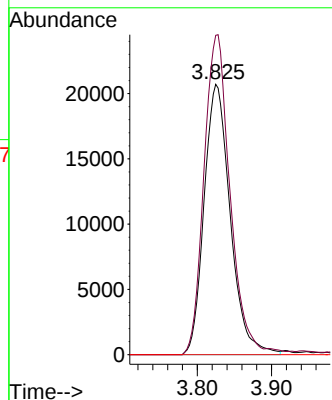
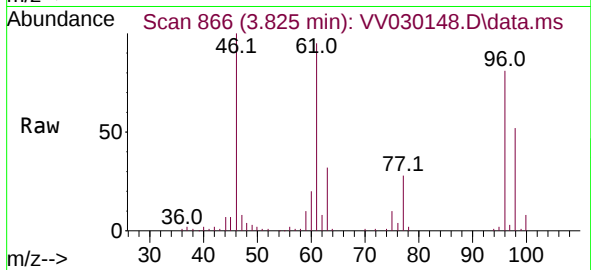




#22
 cis-1,2-Dichloroethene
 Concen: 4.925 ug/L
 RT: 3.825 min Scan# 865
 Delta R.T. -0.000 min
 Lab File: VV030148.D
 Acq: 10 Mar 2023 10:43

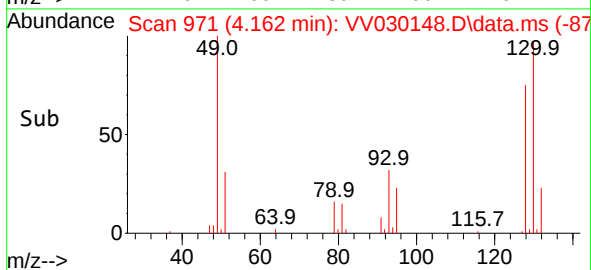
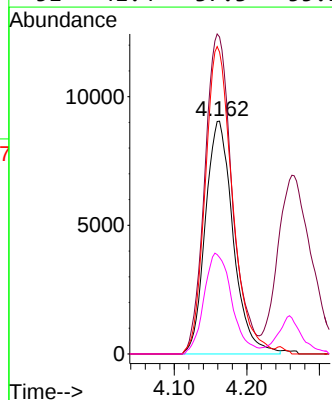
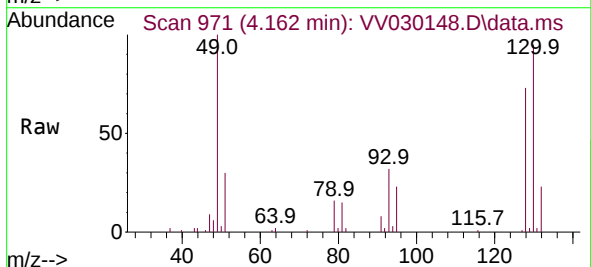
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005296

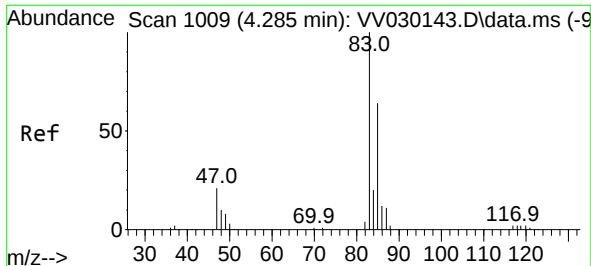
Tgt Ion: 96 Resp: 50714
 Ion Ratio Lower Upper
 96 100
 61 118.1 83.4 154.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.461 ug/L
 RT: 4.162 min Scan# 971
 Delta R.T. 0.003 min
 Lab File: VV030148.D
 Acq: 10 Mar 2023 10:43

Tgt Ion: 128 Resp: 24031
 Ion Ratio Lower Upper
 128 100
 49 136.1 99.5 184.9
 130 129.6 90.5 168.1
 51 41.4 37.3 55.9





#25

Chloroform

Concen: 5.373 ug/L

RT: 4.288 min Scan# 1009

Delta R.T. 0.003 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

Instrument :

MSVOA_V

ClientSampleId :

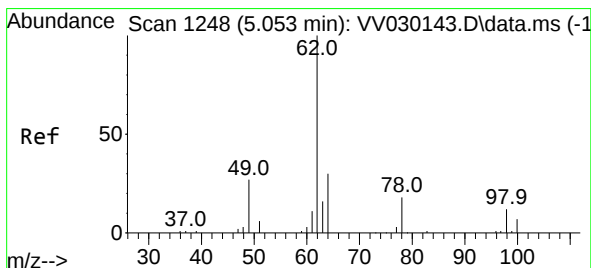
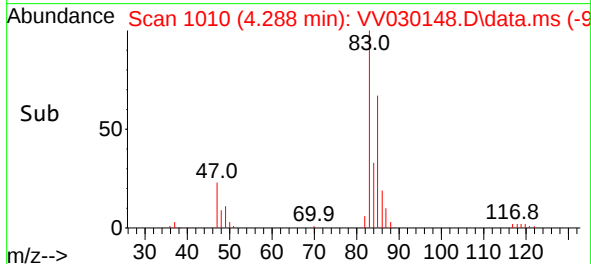
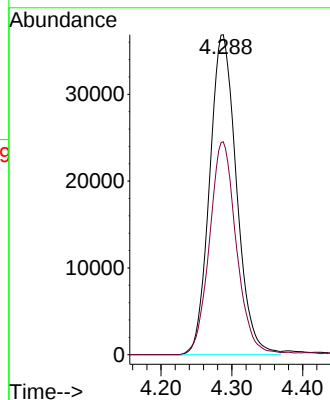
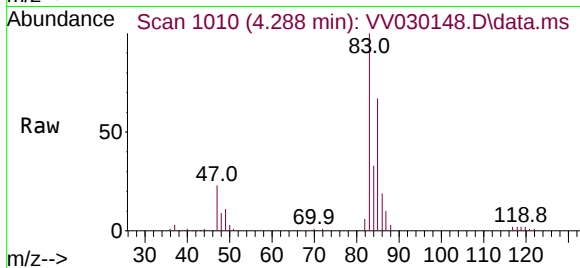
VSTD005296

Tgt Ion: 83 Resp: 97003

Ion Ratio Lower Upper

83 100

85 66.6 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.165 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. -0.000 min

Lab File: VV030148.D

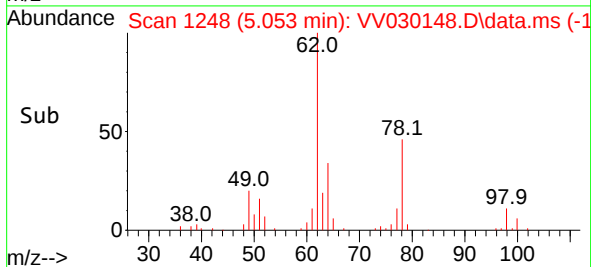
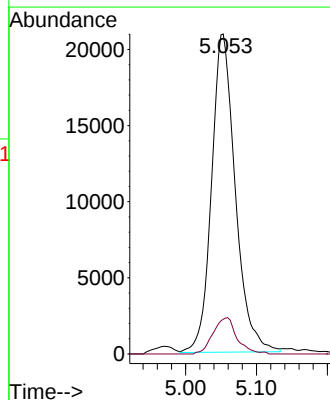
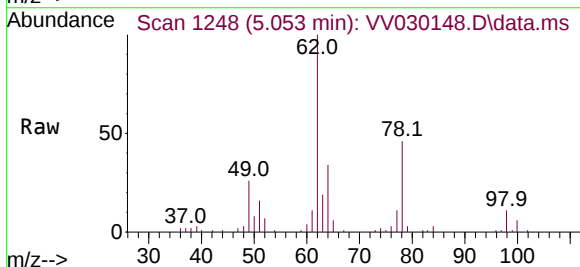
Acq: 10 Mar 2023 10:43

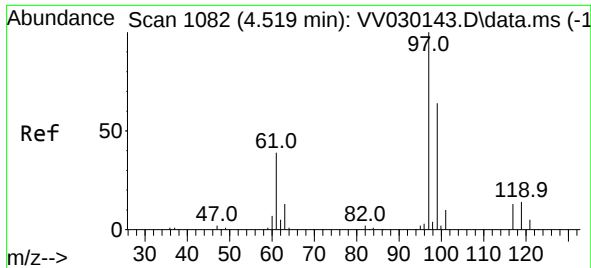
Tgt Ion: 62 Resp: 48776

Ion Ratio Lower Upper

62 100

98 10.8 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 5.178 ug/L

RT: 4.522 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD005296

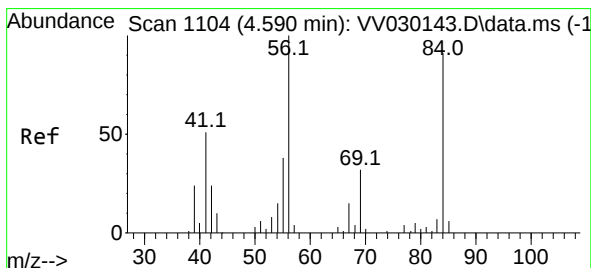
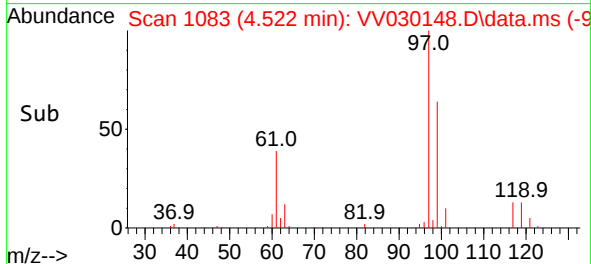
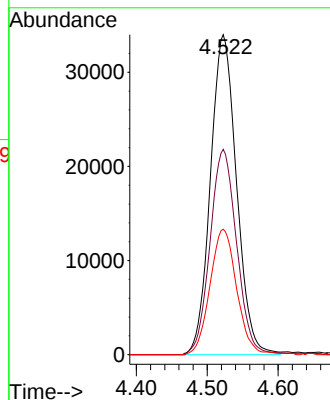
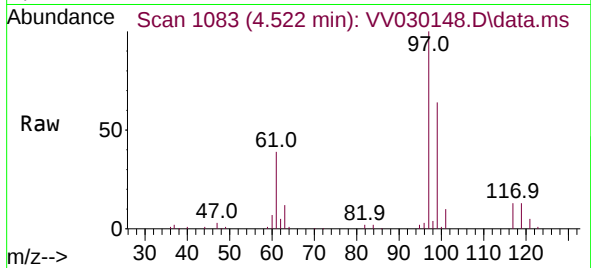
Tgt Ion: 97 Resp: 87067

Ion Ratio Lower Upper

97 100

99 65.4 51.3 76.9

61 40.1 31.5 47.3



#30

Cyclohexane

Concen: 4.139 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

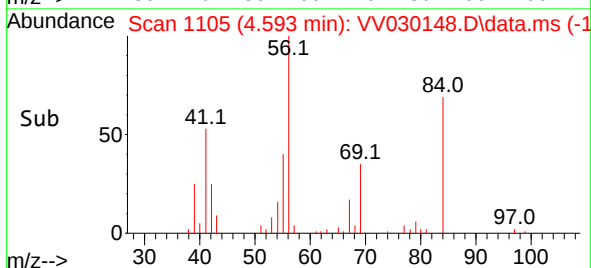
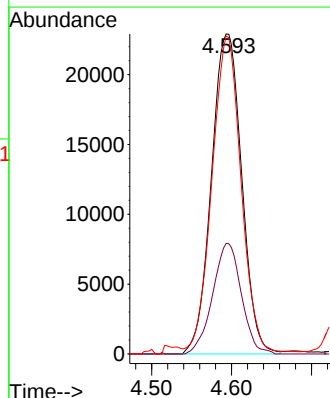
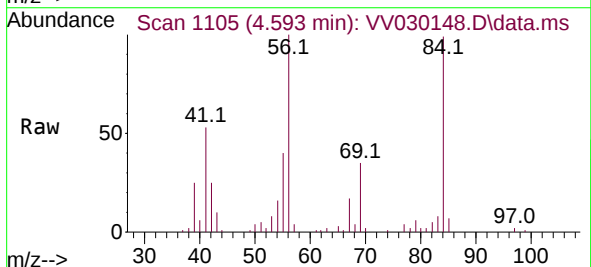
Tgt Ion: 56 Resp: 60140

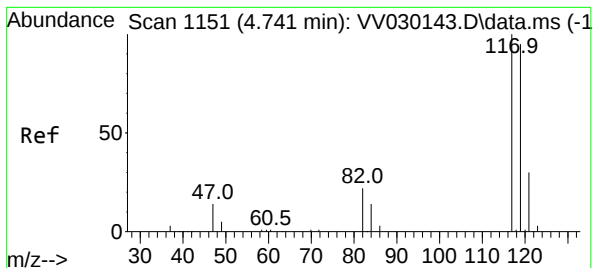
Ion Ratio Lower Upper

56 100

69 32.9 25.1 37.7

84 96.3 74.6 111.8





#31

Carbon tetrachloride

Concen: 5.259 ug/L

RT: 4.744 min Scan# 1151

Delta R.T. -0.000 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

Instrument :

MSVOA_V

ClientSampleId :

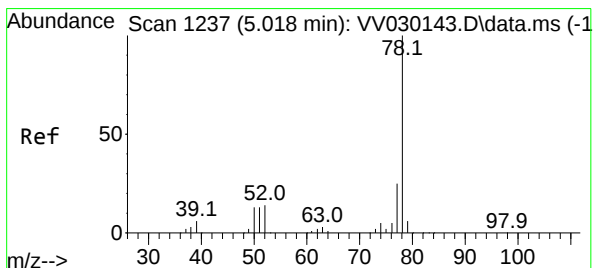
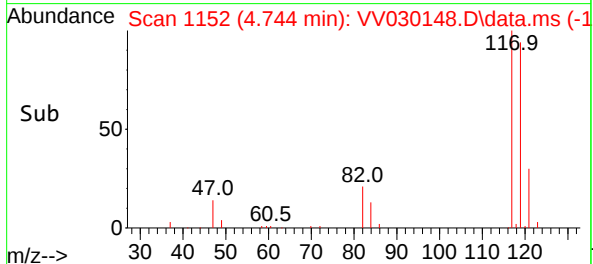
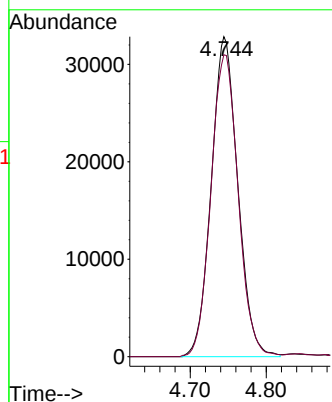
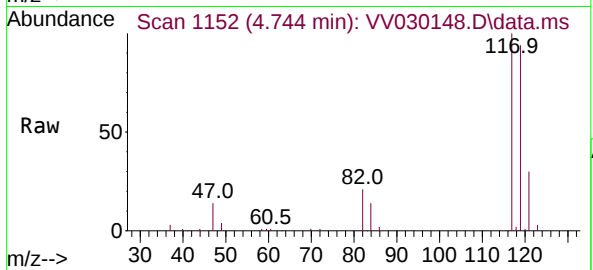
VSTD005296

Tgt Ion:117 Resp: 79494

Ion Ratio Lower Upper

117 100

119 97.0 76.1 114.1



#33

Benzene

Concen: 4.916 ug/L

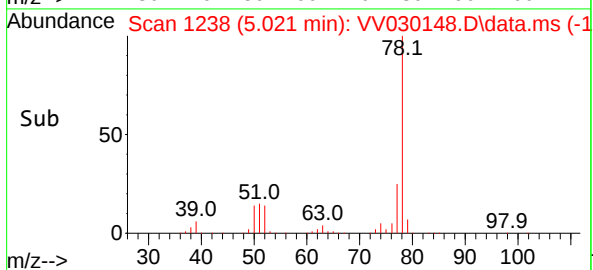
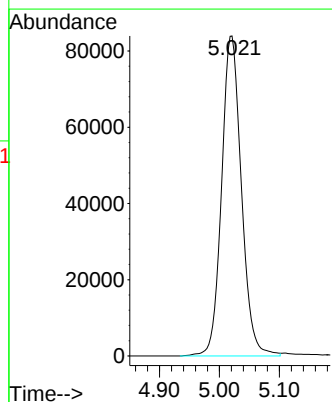
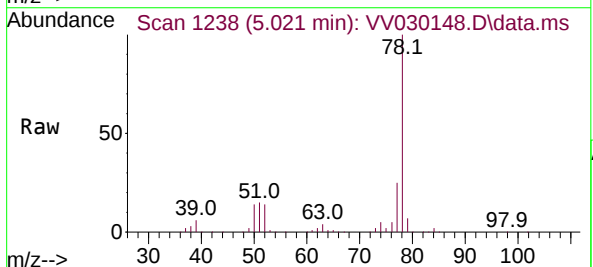
RT: 5.021 min Scan# 1238

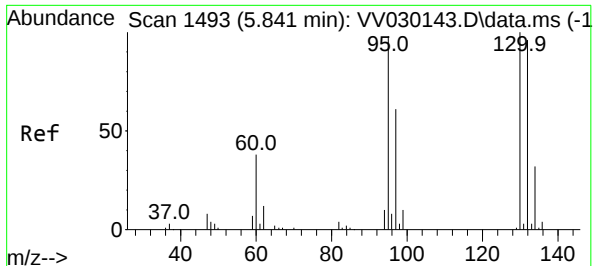
Delta R.T. 0.003 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

Tgt Ion: 78 Resp: 192209

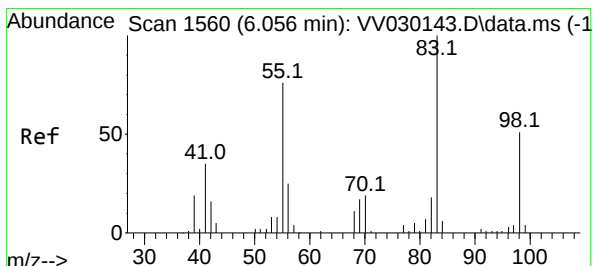
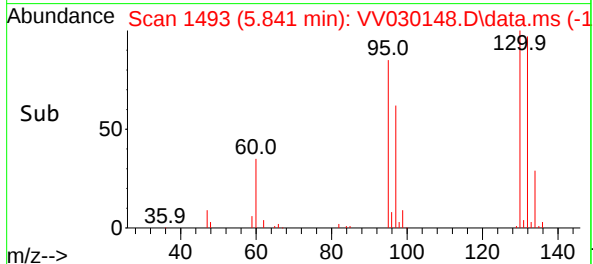
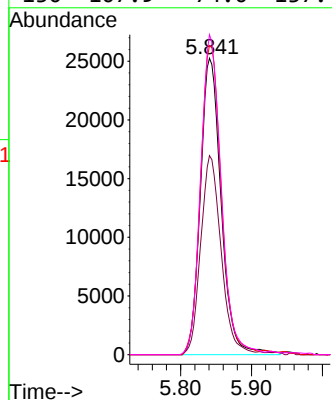
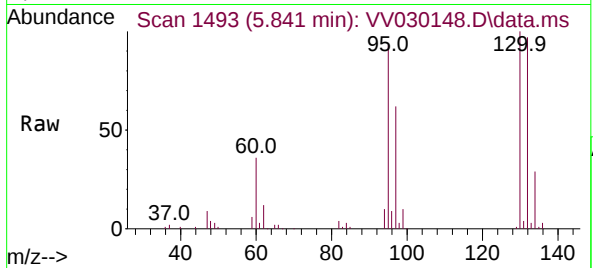




#34
Trichloroethene
Concen: 4.694 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VV030148.D
Acq: 10 Mar 2023 10:43

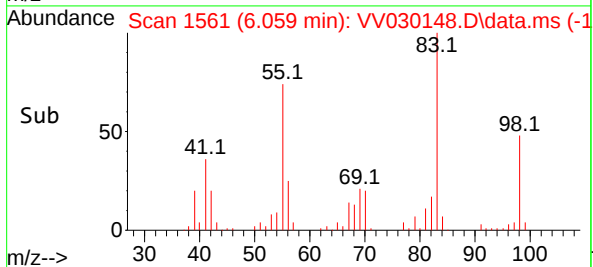
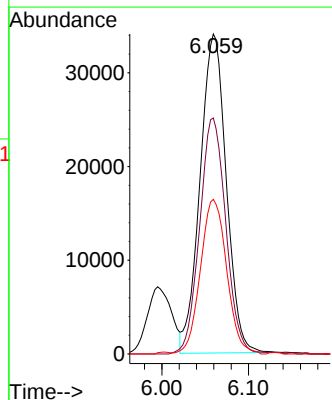
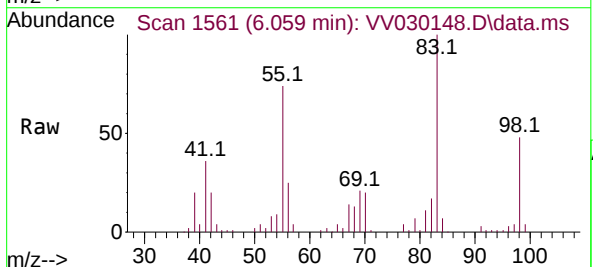
Instrument :
MSVOA_V
ClientSampleId :
VSTD005296

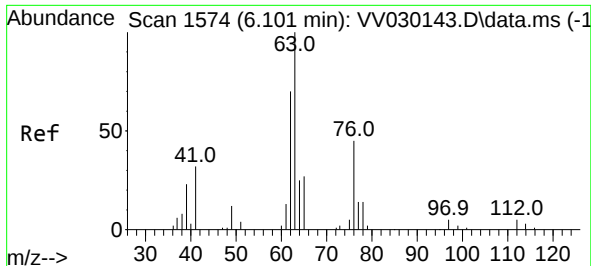
Tgt Ion: 95 Resp: 51425
Ion Ratio Lower Upper
95 100
97 67.1 46.5 86.5
132 104.3 71.7 133.3
130 107.9 74.0 137.4



#35
Methylcyclohexane
Concen: 4.317 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. -0.000 min
Lab File: VV030148.D
Acq: 10 Mar 2023 10:43

Tgt Ion: 83 Resp: 71572
Ion Ratio Lower Upper
83 100
55 74.1 57.6 86.4
98 48.5 38.8 58.2





#37

1,2-Dichloropropane

Concen: 5.123 ug/L

RT: 6.101 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

Instrument :

MSVOA_V

ClientSampleId :

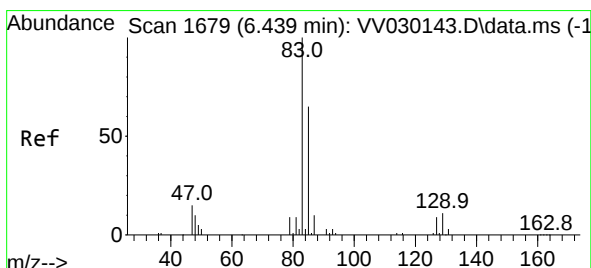
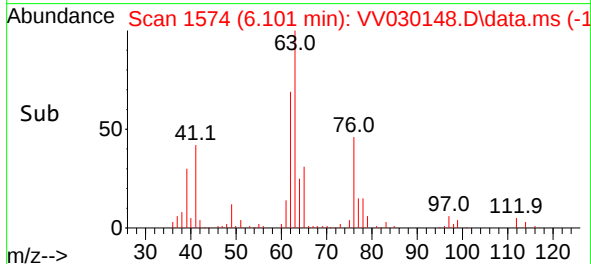
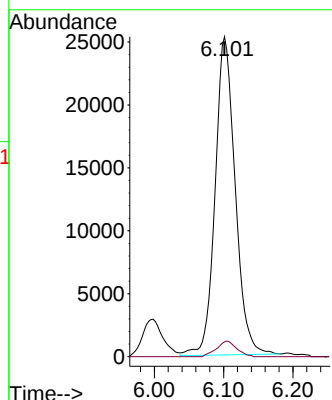
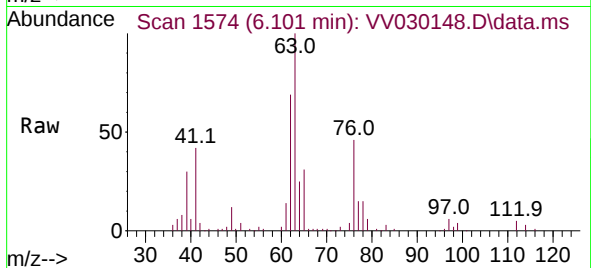
VSTD005296

Tgt Ion: 63 Resp: 50958

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.6



#38

Bromodichloromethane

Concen: 5.375 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. -0.000 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

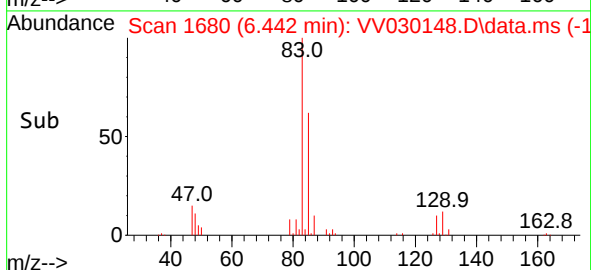
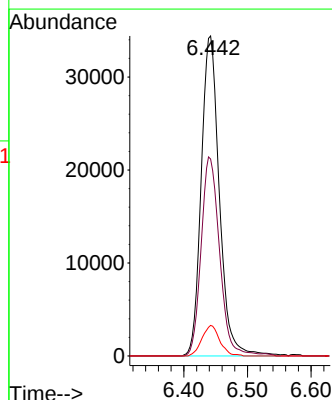
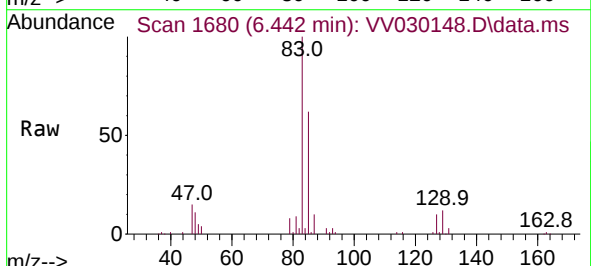
Tgt Ion: 83 Resp: 68245

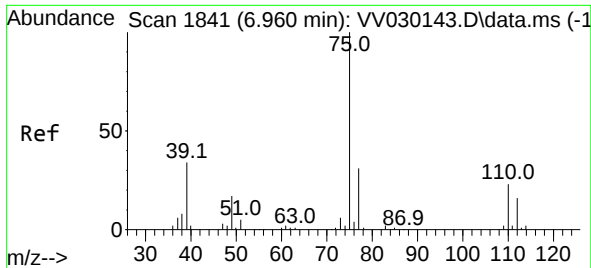
Ion Ratio Lower Upper

83 100

85 61.6 44.3 82.3

127 9.6 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.767 ug/L

RT: 6.963 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

Instrument :

MSVOA_V

ClientSampleId :

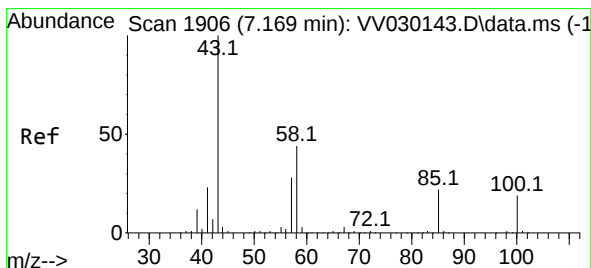
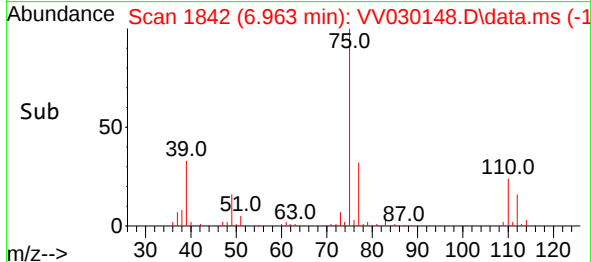
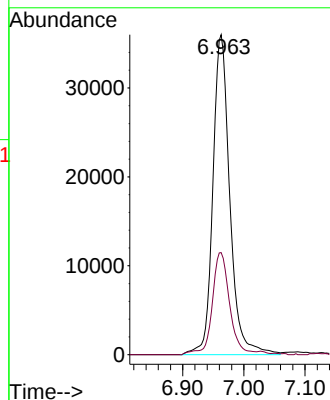
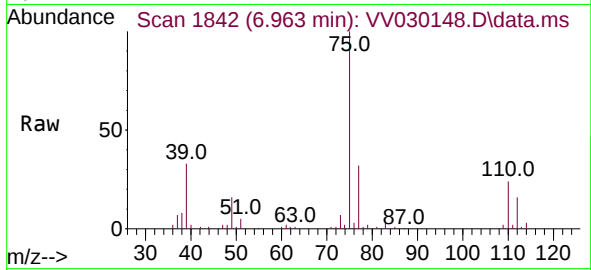
VSTD005296

Tgt Ion: 75 Resp: 69413

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 49.104 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

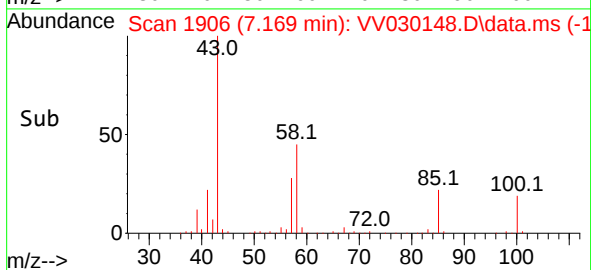
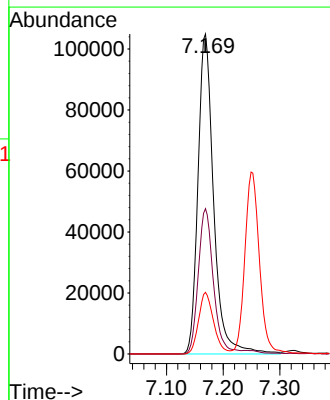
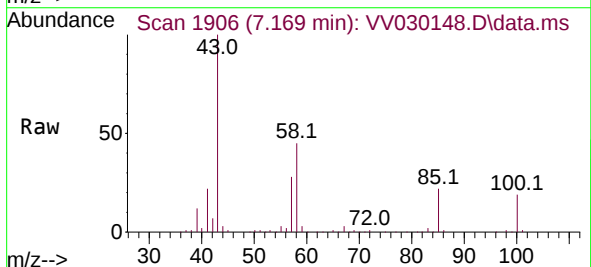
Tgt Ion: 43 Resp: 201535

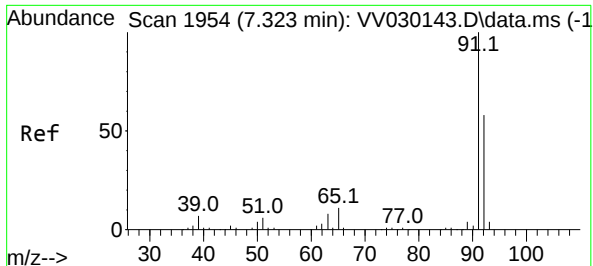
Ion Ratio Lower Upper

43 100

58 43.8 35.3 52.9

100 18.4 14.7 22.1





#42

Toluene

Concen: 5.041 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. -0.000 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

Instrument :

MSVOA_V

ClientSampleId :

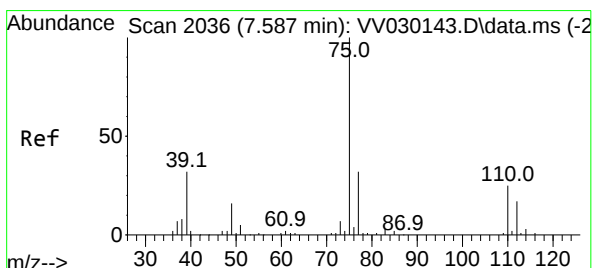
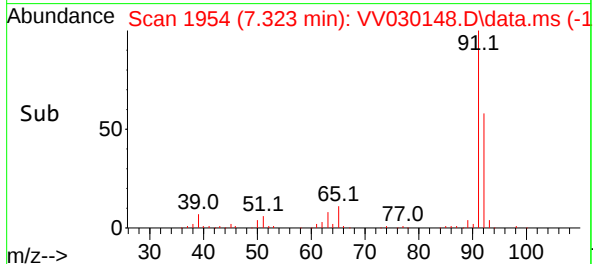
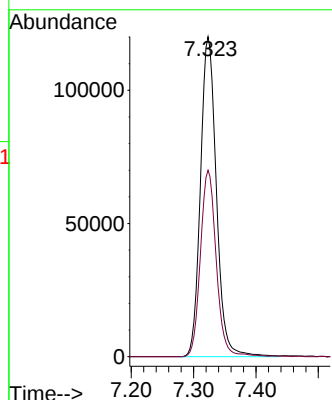
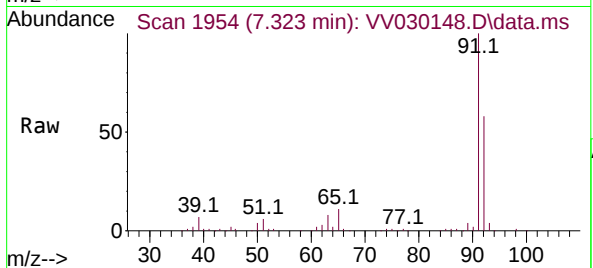
VSTD005296

Tgt Ion: 91 Resp: 213462

Ion Ratio Lower Upper

91 100

92 58.2 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 5.100 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. -0.000 min

Lab File: VV030148.D

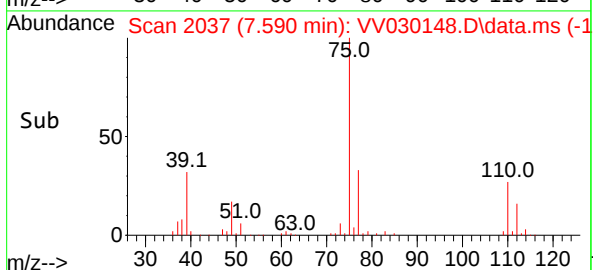
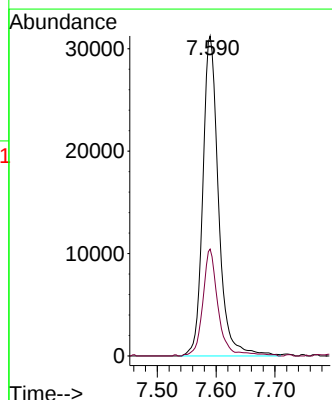
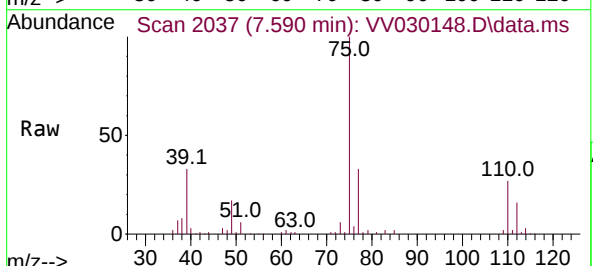
Acq: 10 Mar 2023 10:43

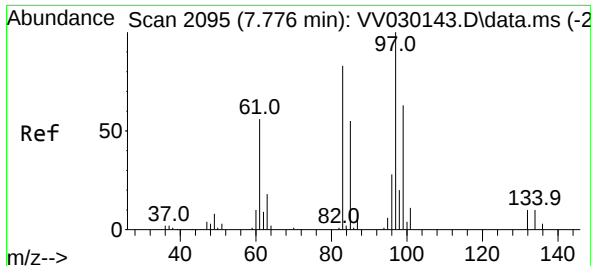
Tgt Ion: 75 Resp: 57965

Ion Ratio Lower Upper

75 100

77 33.4 22.1 41.1

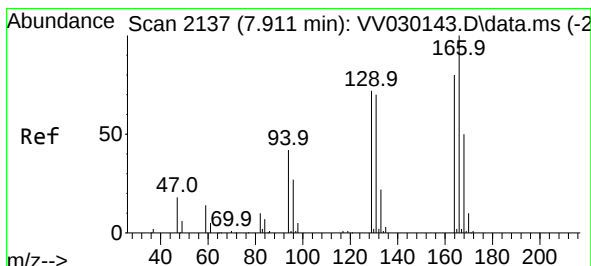
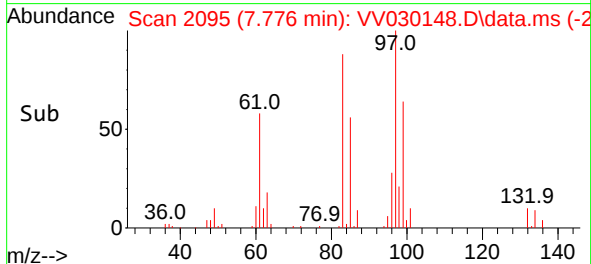
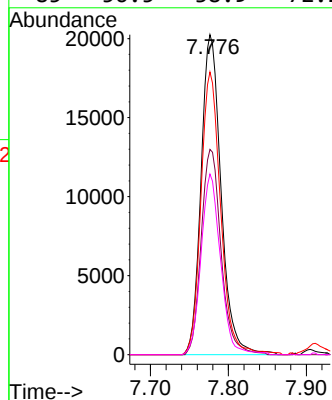
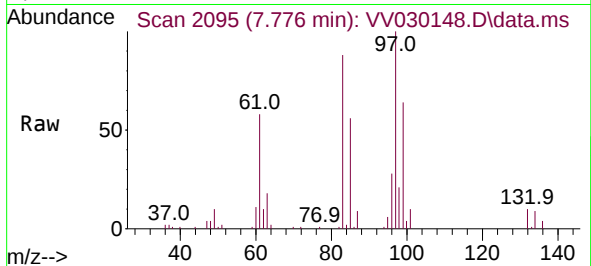




#45
1,1,2-Trichloroethane
Concen: 5.084 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. -0.000 min
Lab File: VV030148.D
Acq: 10 Mar 2023 10:43

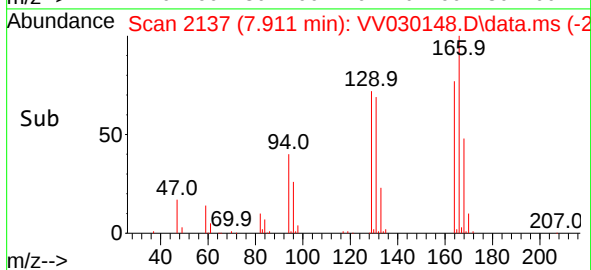
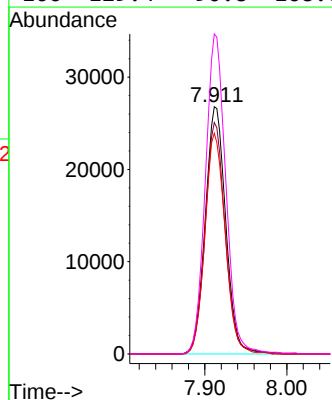
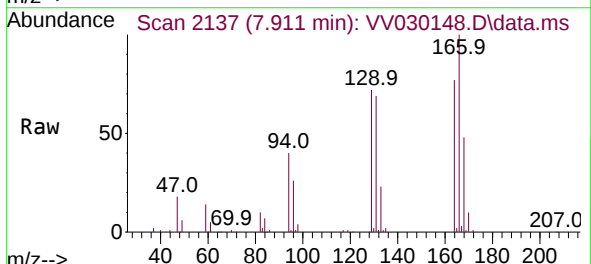
Instrument : MSVOA_V
ClientSampleId : VSTD005296

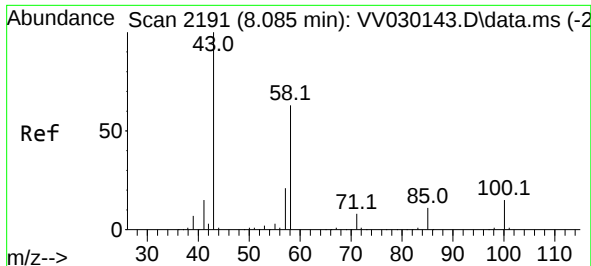
Tgt Ion:	97	Resp:	36184
Ion	Ratio	Lower	Upper
97	100		
99	64.1	42.6	79.2
83	88.3	57.7	107.3
85	56.5	38.9	72.2



#47
Tetrachloroethene
Concen: 4.957 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV030148.D
Acq: 10 Mar 2023 10:43

Tgt Ion:	164	Resp:	46608
Ion	Ratio	Lower	Upper
164	100		
129	93.6	63.6	118.2
131	89.3	61.7	114.7
166	129.4	90.8	168.6

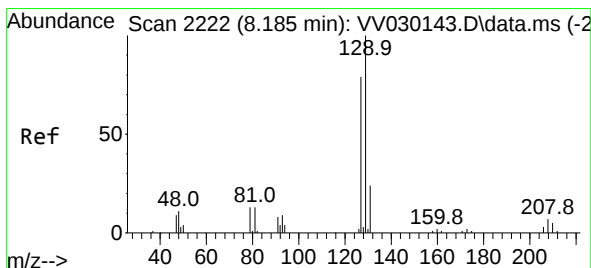
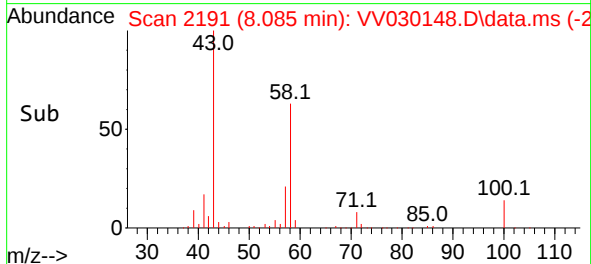
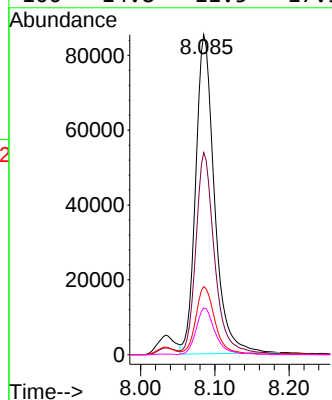
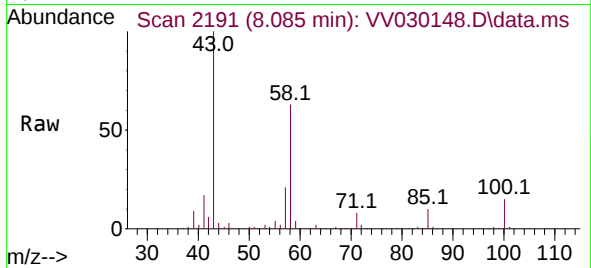




#48
2-Hexanone
Concen: 51.277 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. -0.000 min
Lab File: VV030148.D
Acq: 10 Mar 2023 10:43

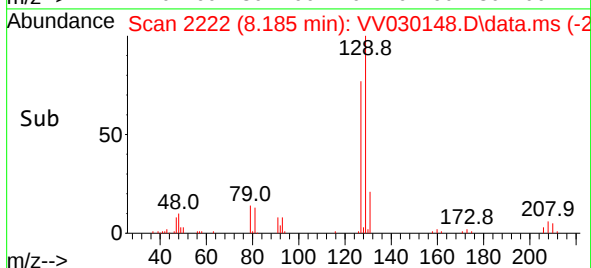
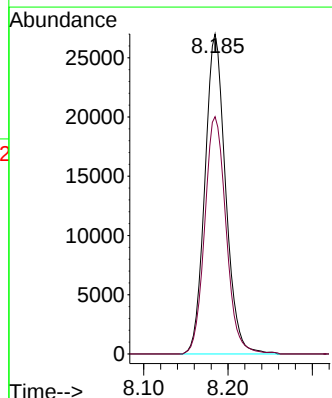
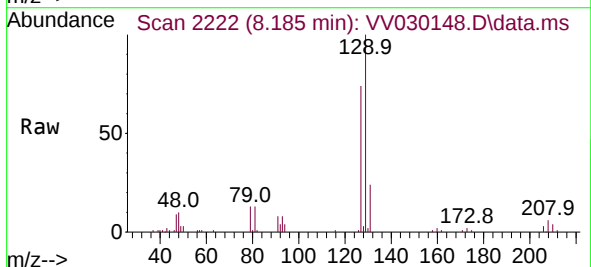
Instrument :
MSVOA_V
ClientSampleId :
VSTD005296

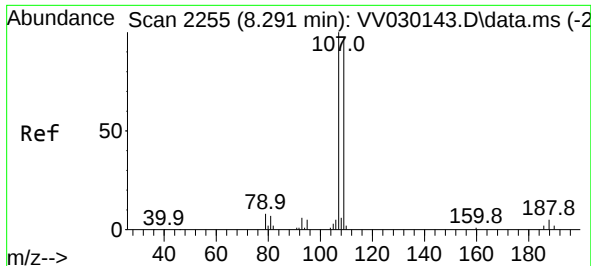
Tgt Ion:	43	Resp:	150664
Ion	Ratio	Lower	Upper
43	100		
58	62.8	49.8	74.8
57	21.7	16.6	24.8
100	14.8	11.5	17.3



#49
Dibromochloromethane
Concen: 5.534 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030148.D
Acq: 10 Mar 2023 10:43

Tgt Ion:	129	Resp:	46086
Ion	Ratio	Lower	Upper
129	100		
127	74.1	54.7	101.5





#50

1,2-Dibromoethane

Concen: 5.164 ug/L

RT: 8.291 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD005296

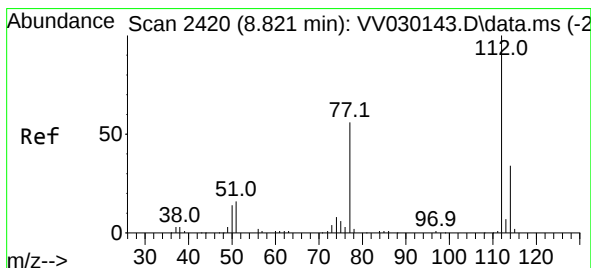
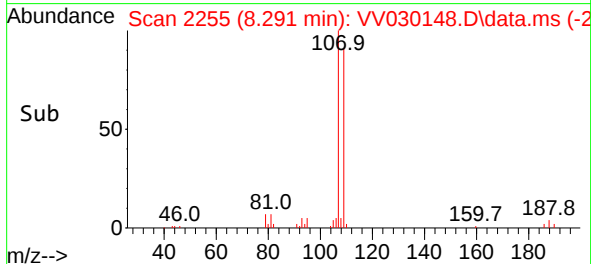
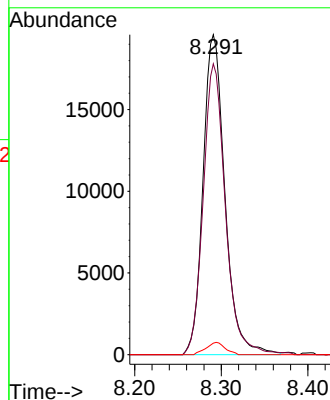
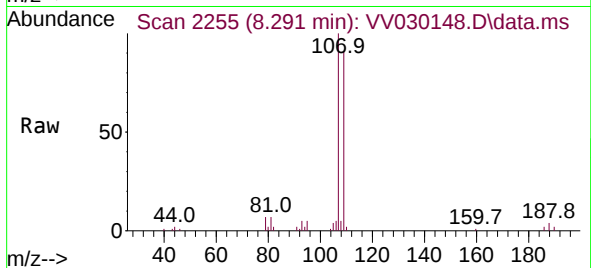
Tgt Ion:107 Resp: 34291

Ion Ratio Lower Upper

107 100

109 90.9 63.3 117.7

188 3.6 3.0 4.6



#51

Chlorobenzene

Concen: 4.974 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

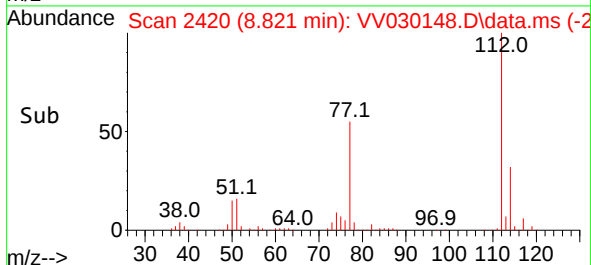
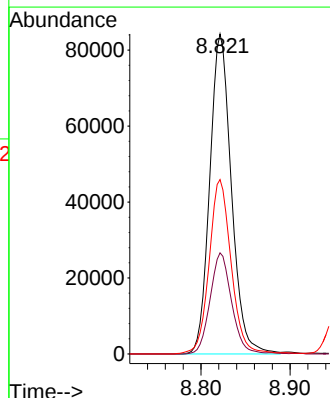
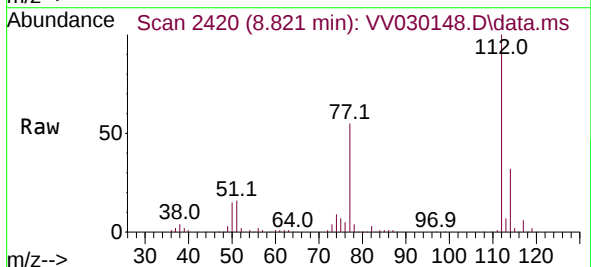
Tgt Ion:112 Resp: 142048

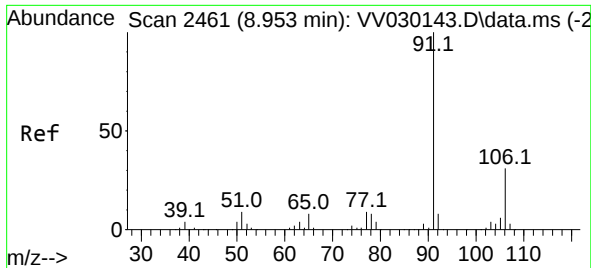
Ion Ratio Lower Upper

112 100

114 31.6 22.5 41.7

77 54.5 45.3 67.9

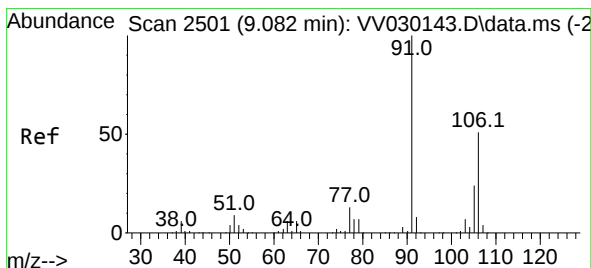
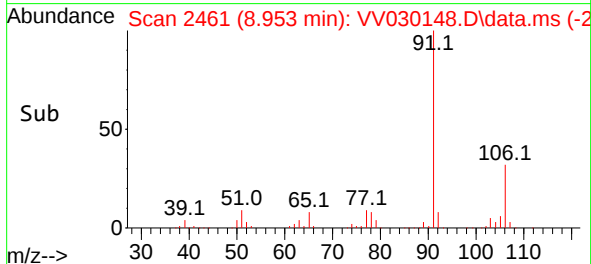
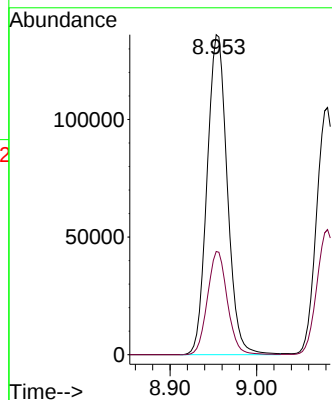
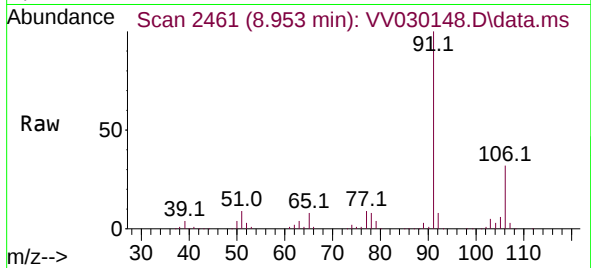




#52
Ethylbenzene
Concen: 4.783 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV030148.D
Acq: 10 Mar 2023 10:43

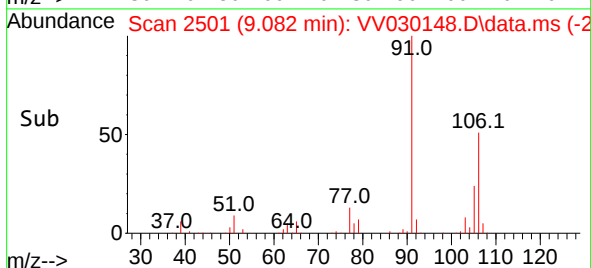
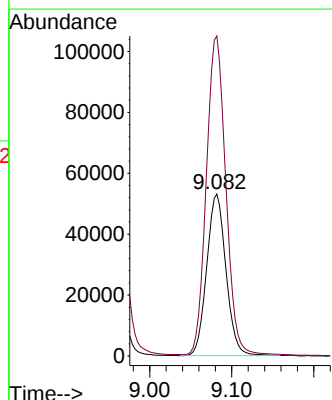
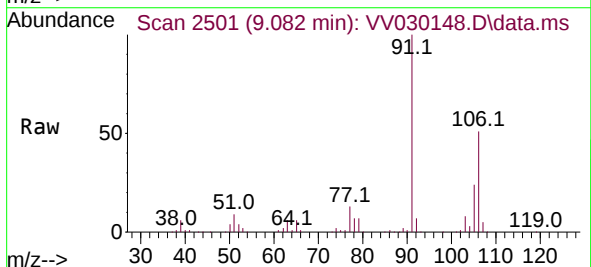
Instrument :
MSVOA_V
ClientSampleId :
VSTD005296

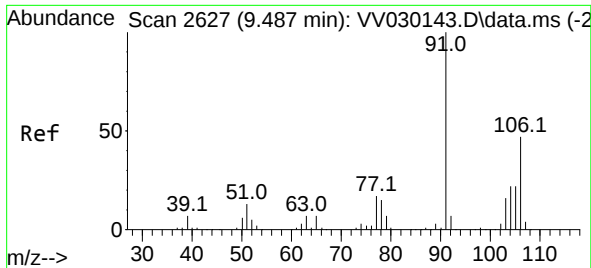
Tgt Ion: 91 Resp: 220396
Ion Ratio Lower Upper
91 100
106 32.3 22.0 40.8



#53
m,p-Xylene
Concen: 4.900 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. -0.000 min
Lab File: VV030148.D
Acq: 10 Mar 2023 10:43

Tgt Ion: 106 Resp: 86784
Ion Ratio Lower Upper
106 100
91 197.6 142.5 264.7

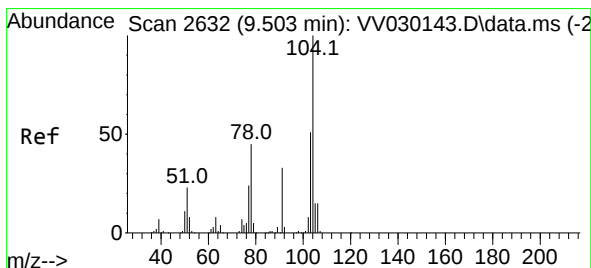
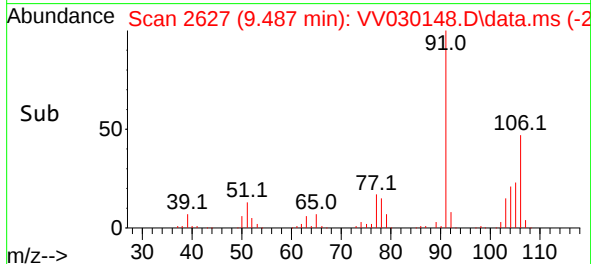
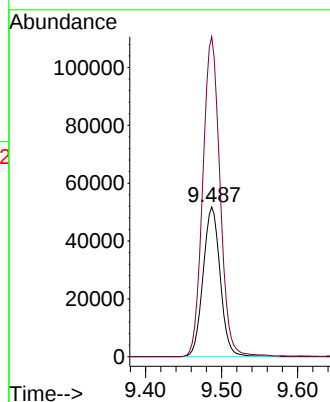
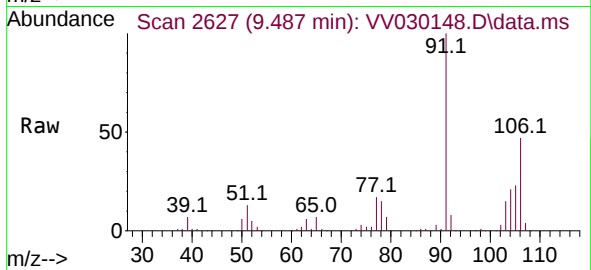




#54
o-Xylene
Concen: 4.791 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030148.D
Acq: 10 Mar 2023 10:43

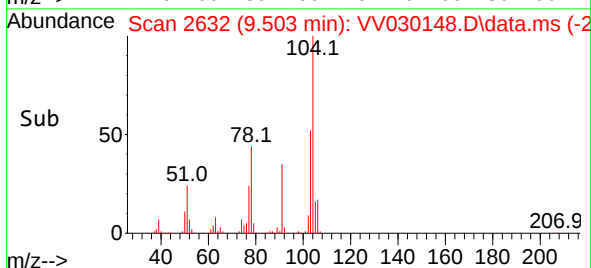
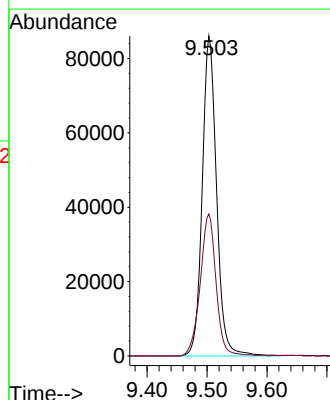
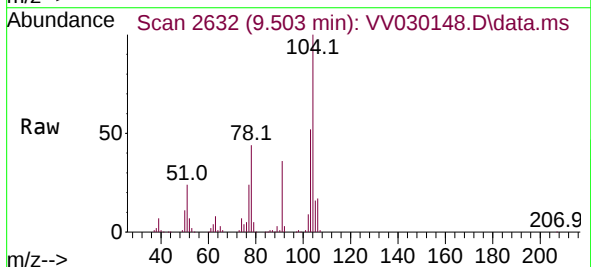
Instrument :
MSVOA_V
ClientSampleId :
VSTD005296

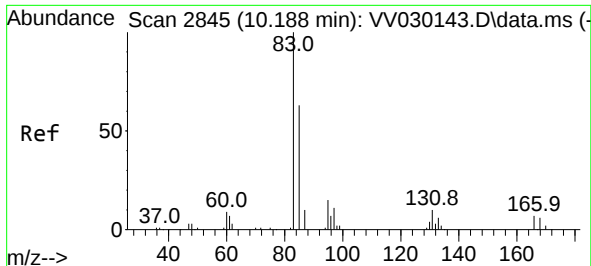
Tgt Ion:106 Resp: 81056
Ion Ratio Lower Upper
106 100
91 213.6 148.8 276.4



#55
Styrene
Concen: 5.095 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV030148.D
Acq: 10 Mar 2023 10:43

Tgt Ion:104 Resp: 143331
Ion Ratio Lower Upper
104 100
78 44.4 31.1 57.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.344 ug/L

RT: 10.188 min Scan# 2845

Delta R.T. 0.003 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD005296

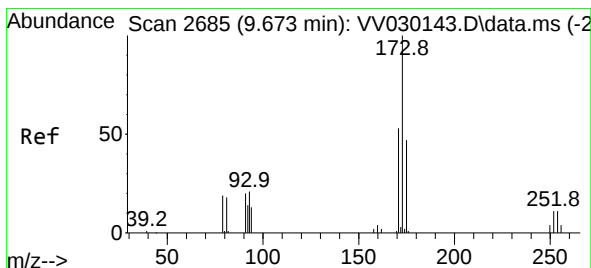
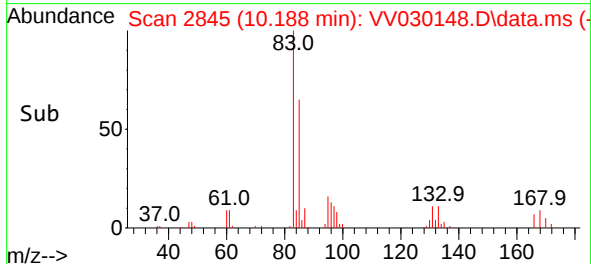
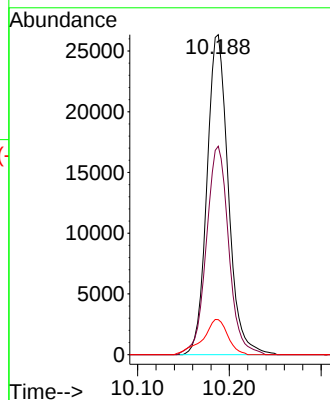
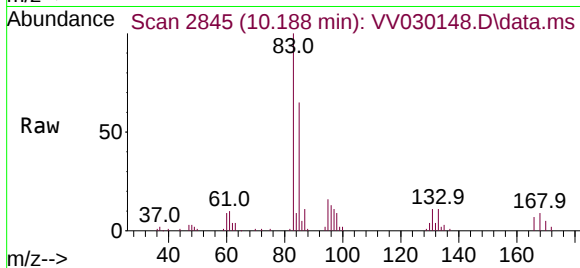
Tgt Ion: 83 Resp: 42546

Ion Ratio Lower Upper

83 100

85 65.2 45.0 83.6

131 11.0 8.2 12.4



#59

Bromoform

Concen: 5.336 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. -0.000 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

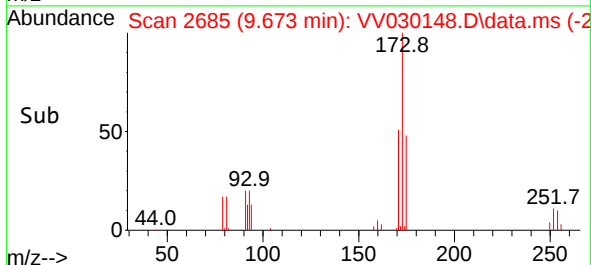
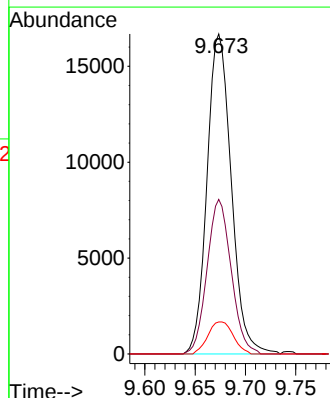
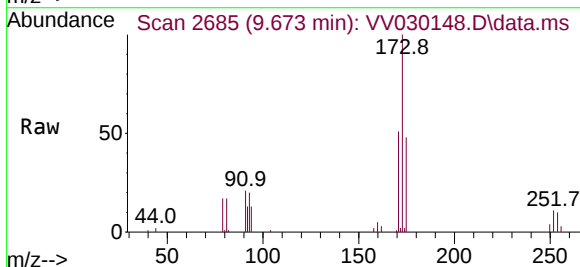
Tgt Ion: 173 Resp: 27963

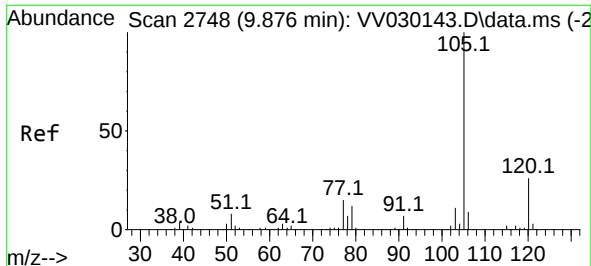
Ion Ratio Lower Upper

173 100

175 48.0 38.5 57.7

254 10.5 8.6 13.0

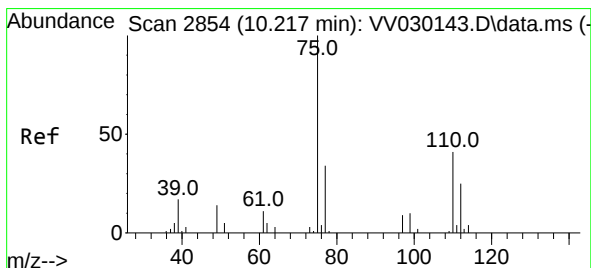
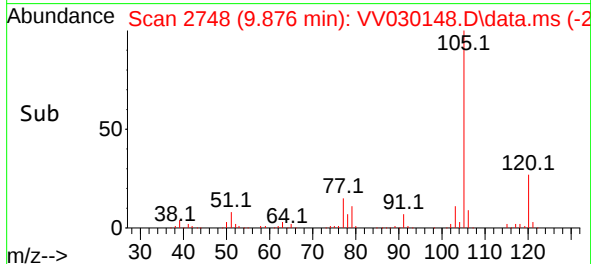
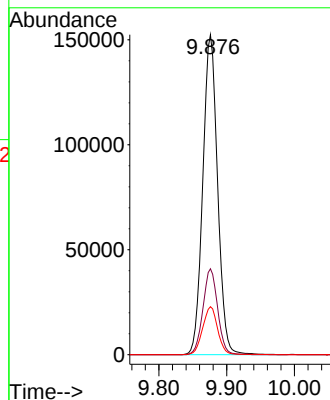
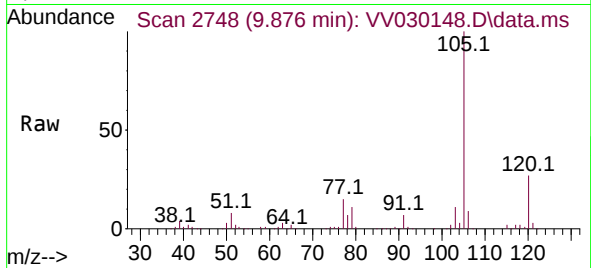




#60
Isopropylbenzene
Concen: 4.588 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030148.D
Acq: 10 Mar 2023 10:43

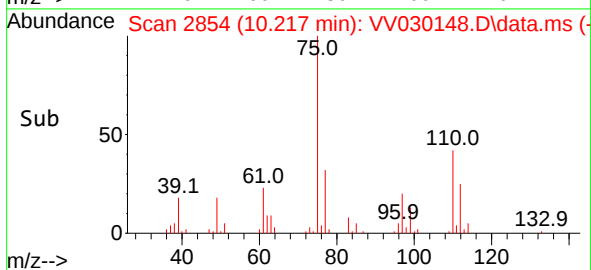
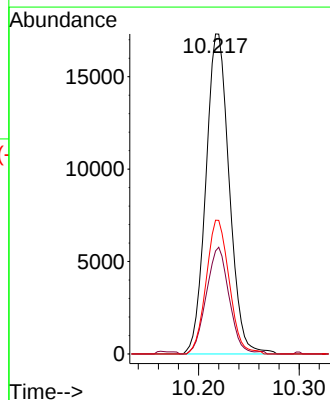
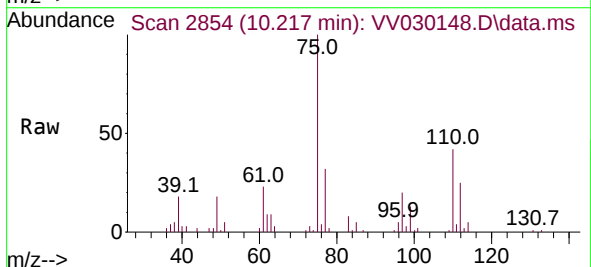
Instrument :
MSVOA_V
ClientSampleId :
VSTD005296

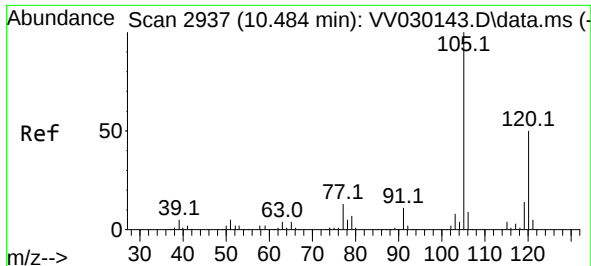
Tgt Ion:105 Resp: 230807
Ion Ratio Lower Upper
105 100
120 26.6 21.4 32.0
77 15.2 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 4.779 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.003 min
Lab File: VV030148.D
Acq: 10 Mar 2023 10:43

Tgt Ion: 75 Resp: 27967
Ion Ratio Lower Upper
75 100
77 32.3 26.5 39.7
110 41.2 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 4.394 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

Instrument :

MSVOA_V

ClientSampleId :

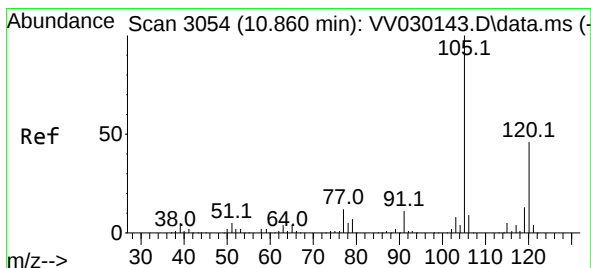
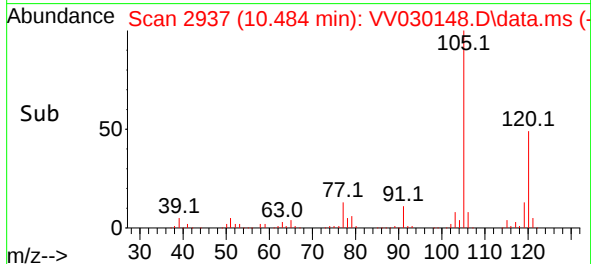
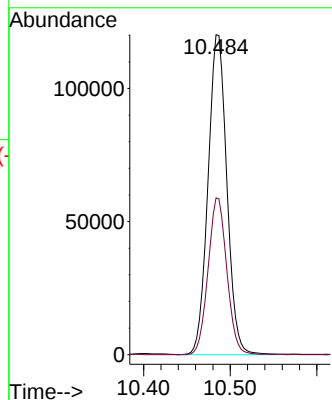
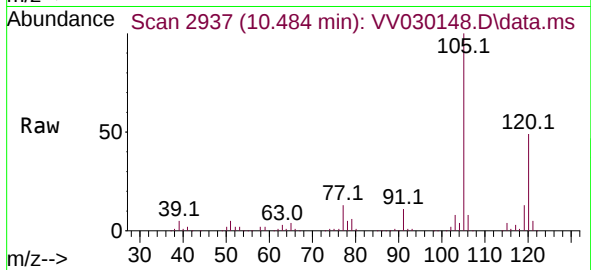
VSTD005296

Tgt Ion:105 Resp: 181587

Ion Ratio Lower Upper

105 100

120 48.7 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 4.506 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030148.D

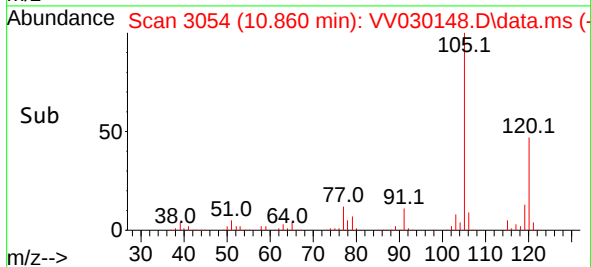
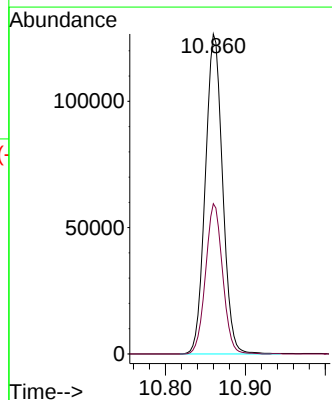
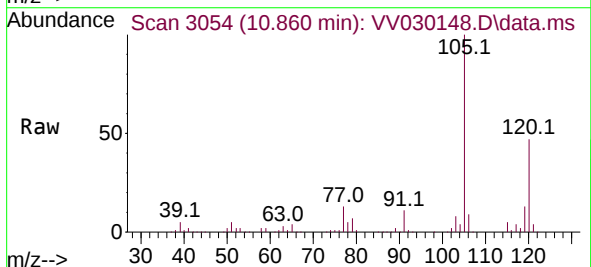
Acq: 10 Mar 2023 10:43

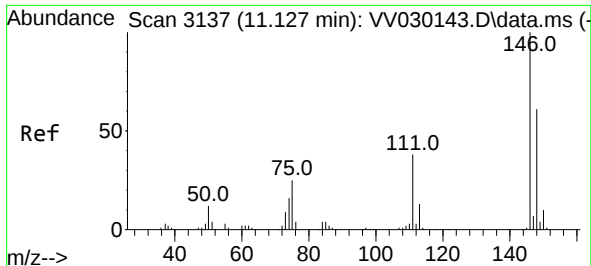
Tgt Ion:105 Resp: 190480

Ion Ratio Lower Upper

105 100

120 46.2 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 4.851 ug/L

RT: 11.127 min Scan# 3137

Delta R.T. 0.003 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD005296

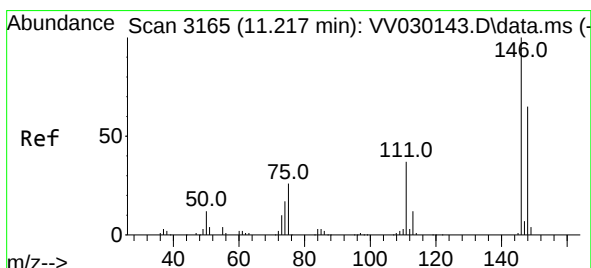
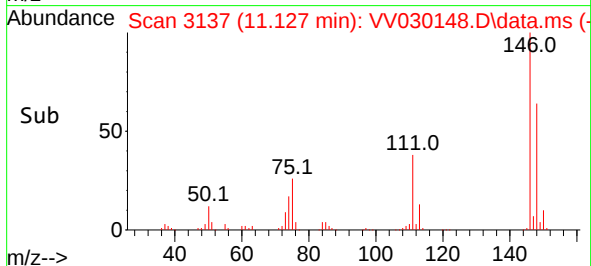
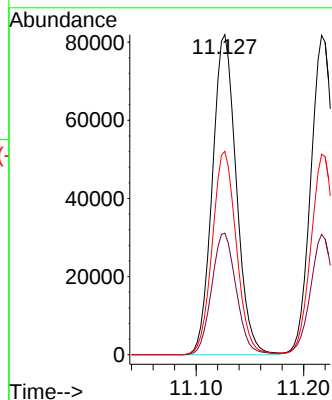
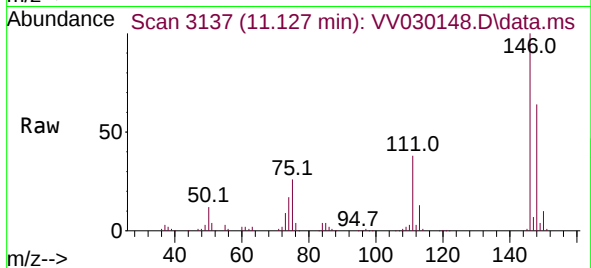
Tgt Ion:146 Resp: 127079

Ion Ratio Lower Upper

146 100

111 38.0 27.7 51.5

148 63.5 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 4.802 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. -0.000 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

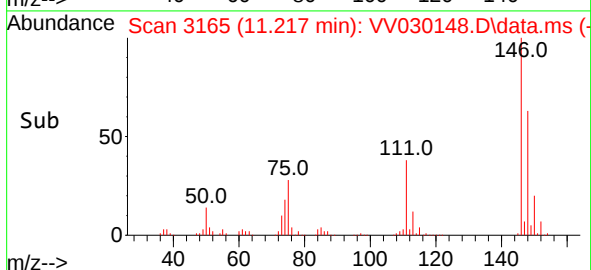
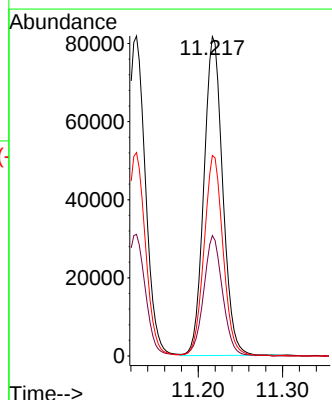
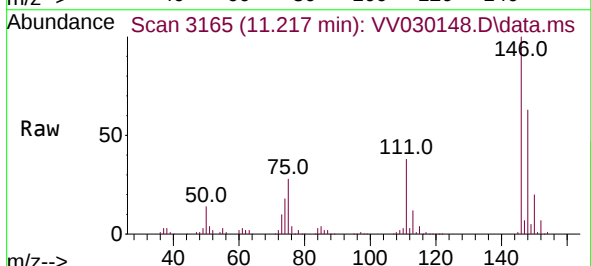
Tgt Ion:146 Resp: 126925

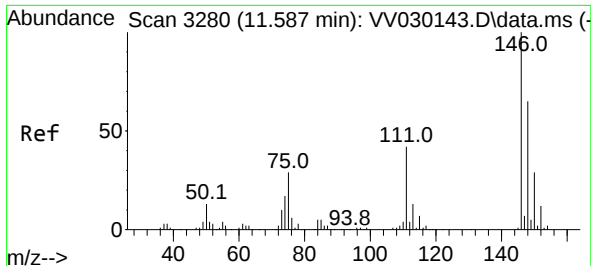
Ion Ratio Lower Upper

146 100

111 37.7 27.4 51.0

148 62.8 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 4.902 ug/L

RT: 11.590 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD005296

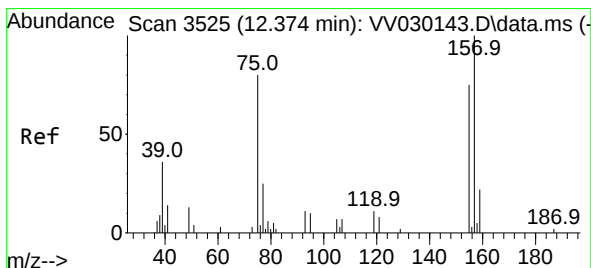
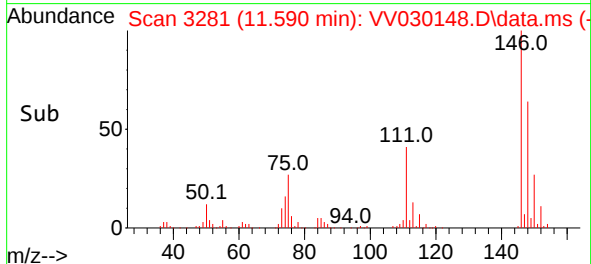
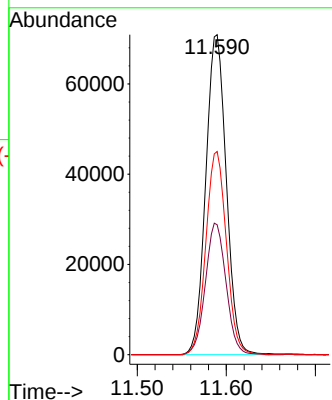
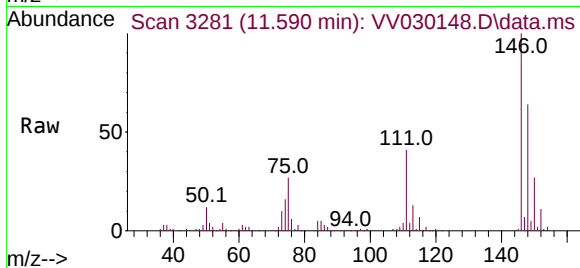
Tgt Ion:146 Resp: 113398

Ion Ratio Lower Upper

146 100

111 40.6 33.5 50.3

148 63.5 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 4.794 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

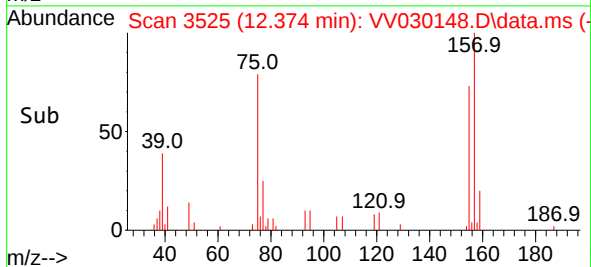
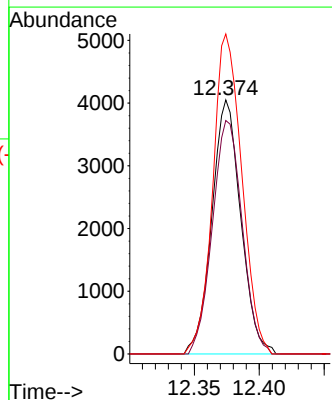
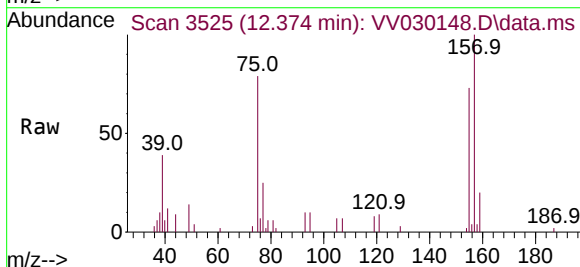
Tgt Ion: 75 Resp: 6266

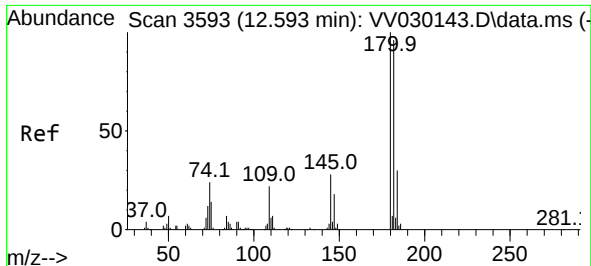
Ion Ratio Lower Upper

75 100

155 91.9 79.1 118.7

157 125.9 95.5 143.3





#69

1,3,5-Trichlorobenzene

Concen: 4.570 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. -0.000 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD005296

Tgt Ion:180 Resp: 98411

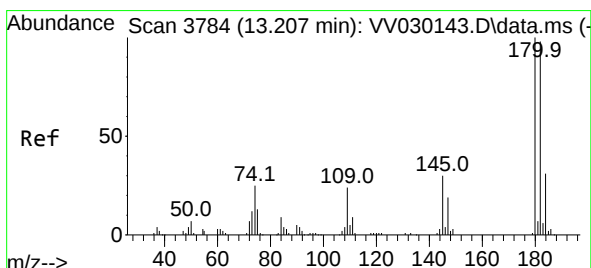
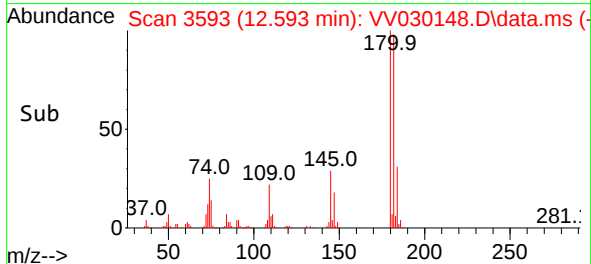
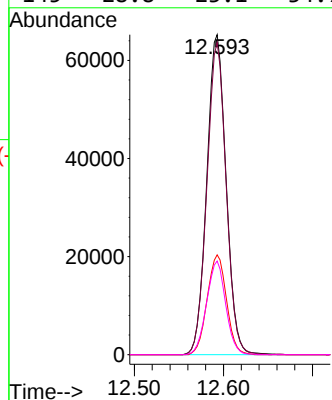
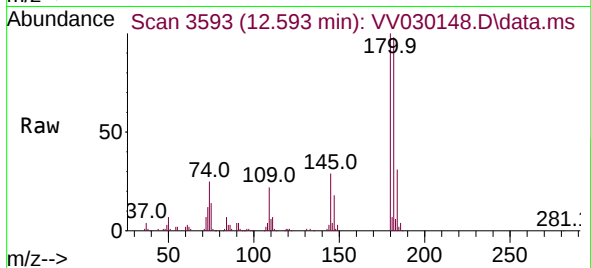
Ion Ratio Lower Upper

180 100

182 96.8 76.5 114.7

184 31.1 24.3 36.5

145 28.8 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 4.305 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. -0.000 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

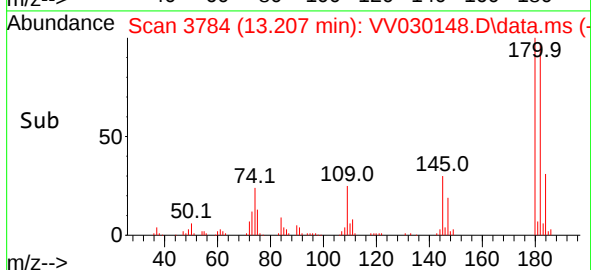
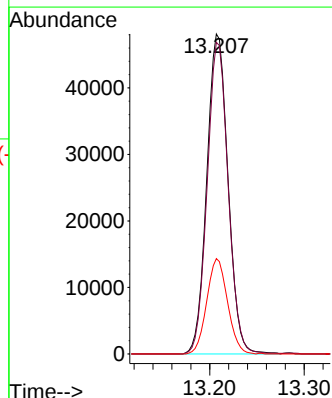
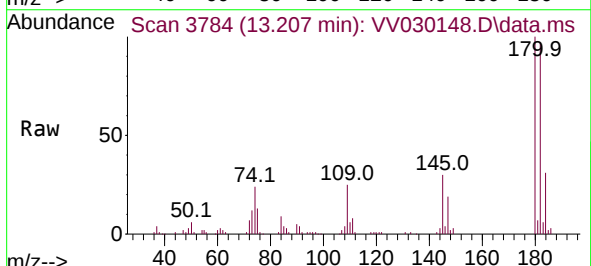
Tgt Ion:180 Resp: 75104

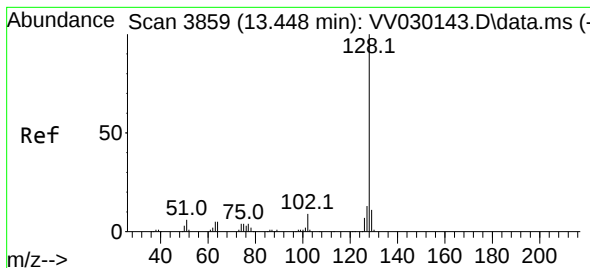
Ion Ratio Lower Upper

180 100

182 96.0 77.3 115.9

145 29.1 23.1 34.7





#71

Naphthalene

Concen: 4.012 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD005296

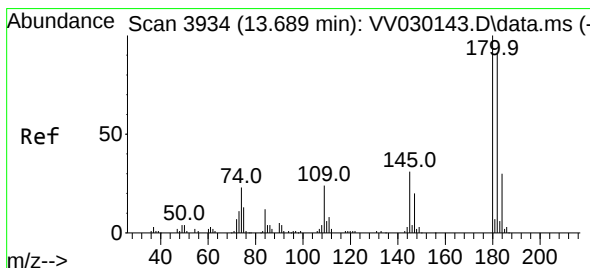
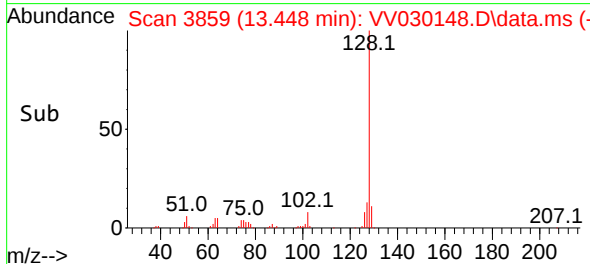
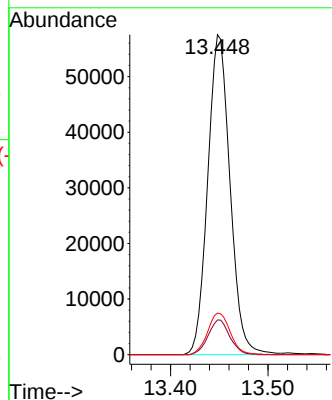
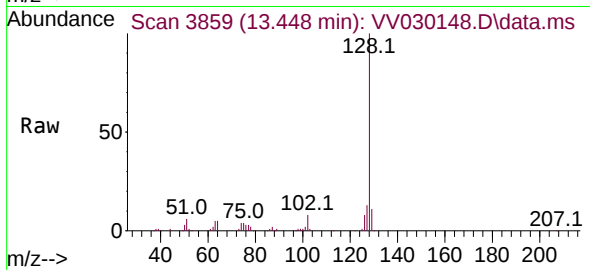
Tgt Ion:128 Resp: 91467

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

127 13.2 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 4.421 ug/L

RT: 13.693 min Scan# 3935

Delta R.T. 0.003 min

Lab File: VV030148.D

Acq: 10 Mar 2023 10:43

Tgt Ion:180 Resp: 63497

Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

145 31.7 25.1 37.7

