

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW020124\
 Data File : VW033955.D
 Acq On : 01 Feb 2024 17:51
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050393

Quant Time: Feb 02 04:33:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 02 04:28:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	200307	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	187489	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	97941	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	51180	33.246	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.500%
7) Chloroethane-d5	1.526	69	45076	36.974	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.940%
11) 1,1-Dichloroethene-d2	2.060	65	25162	37.978	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.960%
21) 2-Butanone-d5	3.783	46	97376	92.219	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.220%
24) Chloroform-d	4.249	84	115024	41.785	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.580%
26) 1,2-Dichloroethane-d4	4.941	65	75914	42.682	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.360%
32) Benzene-d6	4.960	84	198209	37.186	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.380%
36) 1,2-Dichloropropane-d6	5.989	67	63243	36.046	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	72.100%
41) Toluene-d8	7.243	98	179541	37.385	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.760%#
43) trans-1,3-Dichloroprop...	7.551	79	34708	40.027	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.060%
47) 2-Hexanone-d5	8.021	63	65546	90.064	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.060%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	95014	42.419	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.840%
66) 1,2-Dichlorobenzene-d4	11.561	152	77838	41.889	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	67738	40.650	ug/L	99
3) Chloromethane	1.217	50	74640	39.390	ug/L	98
5) Vinyl chloride	1.282	62	77607	42.811	ug/L	98
6) Bromomethane	1.478	94	40677	42.935	ug/L	99
8) Chloroethane	1.545	64	49633	45.917	ug/L	99
9) Trichlorofluoromethane	1.712	101	124753	57.671	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	67187	52.718	ug/L	95
12) 1,1-Dichloroethene	2.069	96	62625	52.094	ug/L	86
13) Acetone	2.111	43	97106	96.184	ug/L	100
14) Carbon disulfide	2.240	76	165757	40.569	ug/L	99
15) Methyl Acetate	2.372	43	75873	45.959	ug/L #	100
16) Methylene chloride	2.445	84	66309	45.215	ug/L	94
17) trans-1,2-Dichloroethene	2.693	96	59288	44.151	ug/L	95
18) Methyl tert-butyl Ether	2.703	73	229748	47.571	ug/L	98
19) 1,1-Dichloroethane	3.111	63	122511	44.625	ug/L	98
20) cis-1,2-Dichloroethene	3.815	96	69596	46.567	ug/L	92
22) 2-Butanone	3.863	43	109161	89.025	ug/L	98
23) Bromochloromethane	4.146	128	36008	49.594	ug/L	82
25) Chloroform	4.278	83	125678	48.283	ug/L	99

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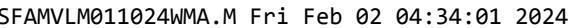
Instrument :
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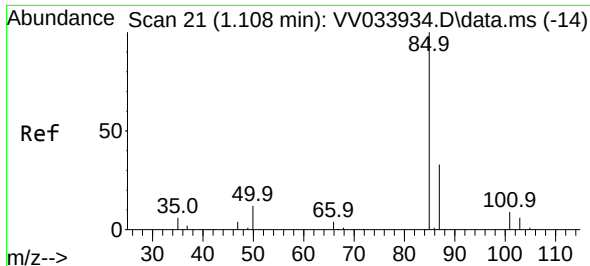
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 02 04:28:29 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	105884	48.702	ug/L	99
29) Cyclohexane	4.584	56	106417	40.261	ug/L	93
30) 1,1,1-Trichloroethane	4.513	97	118380	52.614	ug/L	98
31) Carbon tetrachloride	4.735	117	102891	53.575	ug/L	99
33) Benzene	5.011	78	250273	45.448	ug/L	100
34) Trichloroethene	5.834	95	68240	46.196	ug/L	99
35) Methylcyclohexane	6.050	83	107434	42.498	ug/L	96
37) 1,2-Dichloropropane	6.092	63	67517	44.555	ug/L	98
38) Bromodichloromethane	6.432	83	95132	47.989	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	115583	45.675	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	203325	90.553	ug/L	97
42) Toluene	7.317	91	271577	46.653	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	109321	46.880	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	64746	47.090	ug/L	98
46) Tetrachloroethene	7.905	164	52081	48.068	ug/L	98
48) 2-Hexanone	8.072	43	157823	88.211	ug/L	98
49) Dibromochloromethane	8.178	129	70180	49.008	ug/L	100
50) 1,2-Dibromoethane	8.281	107	68413	47.083	ug/L	98
51) Chlorobenzene	8.812	112	174173	46.972	ug/L	98
52) Ethylbenzene	8.947	91	306610	45.475	ug/L	100
53) m,p-Xylene	9.072	106	115314	46.326	ug/L	100
54) o-Xylene	9.477	106	113851	46.201	ug/L	100
55) Styrene	9.497	104	193453	45.470	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	100467	45.914	ug/L	97
59) Bromoform	9.664	173	50683	48.690	ug/L	96
60) Isopropylbenzene	9.866	105	315685	47.639	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	80768	46.467	ug/L	94
62) 1,3,5-Trimethylbenzene	10.477	105	269548	47.409	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	264888	46.758	ug/L	98
64) 1,3-Dichlorobenzene	11.117	146	142133	47.485	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	140014	46.651	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	139200	47.595	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	24160	48.167	ug/L	95
69) 1,3,5-Trichlorobenzene	12.583	180	104179	47.100	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	93000	46.325	ug/L	98
71) Naphthalene	13.439	128	238897	45.539	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	90134	48.102	ug/L	99

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

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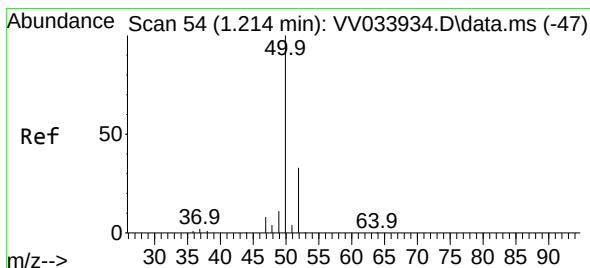
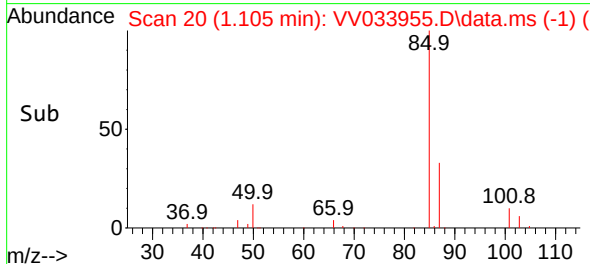
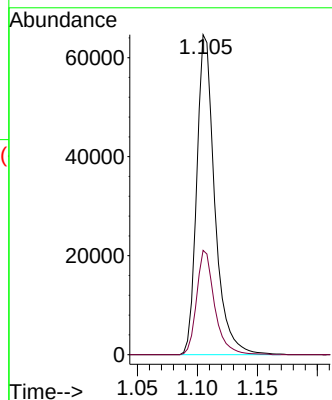
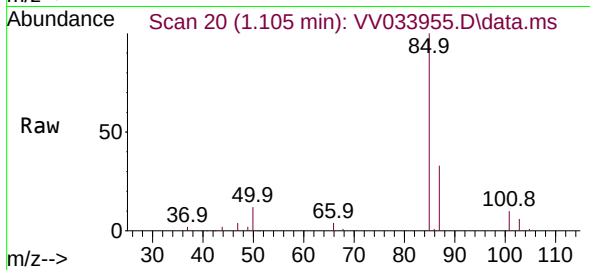




#2
Dichlorodifluoromethane
Concen: 40.650 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.003 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

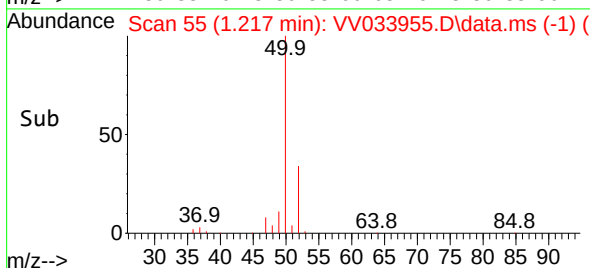
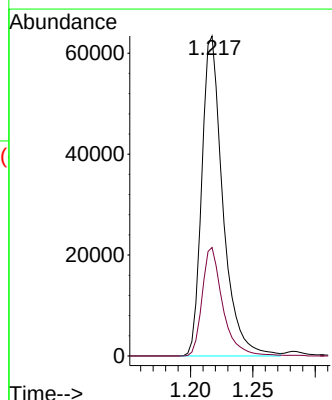
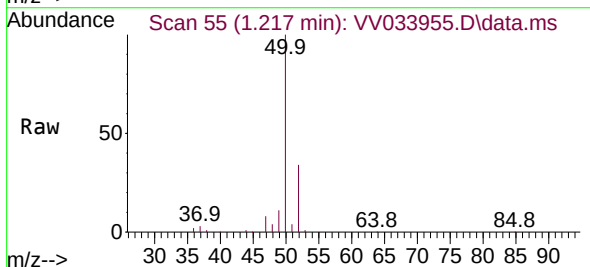
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

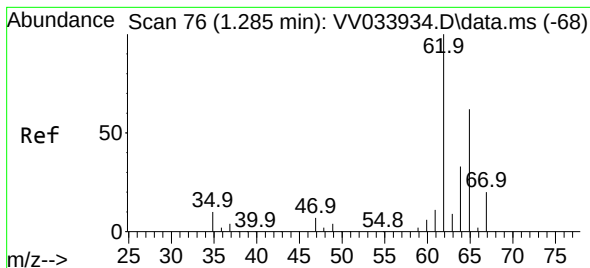
Tgt Ion: 85 Resp: 67738
Ion Ratio Lower Upper
85 100
87 32.6 25.8 38.6



#3
Chloromethane
Concen: 39.390 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.003 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

Tgt Ion: 50 Resp: 74640
Ion Ratio Lower Upper
50 100
52 33.9 22.8 42.4





#5

Vinyl chloride

Concen: 42.811 ug/L

RT: 1.282 min Scan# 76

Delta R.T. -0.003 min

Lab File: VV033955.D

Acq: 01 Feb 2024 17:51

Instrument :

MSVOA_V

ClientSampleId :

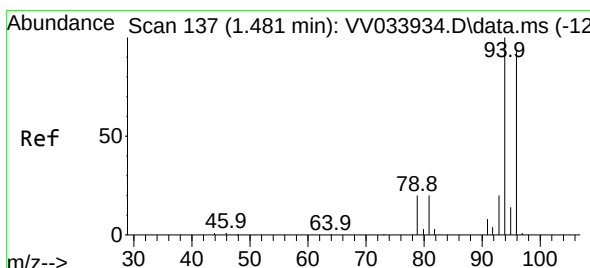
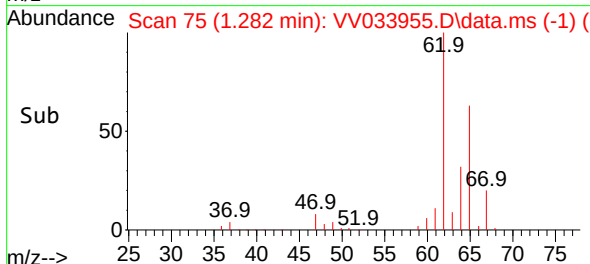
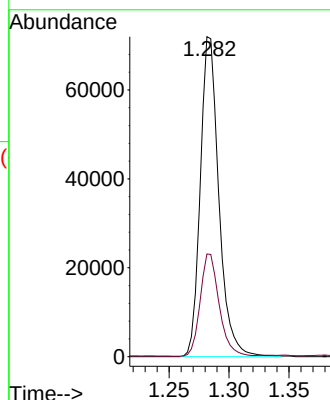
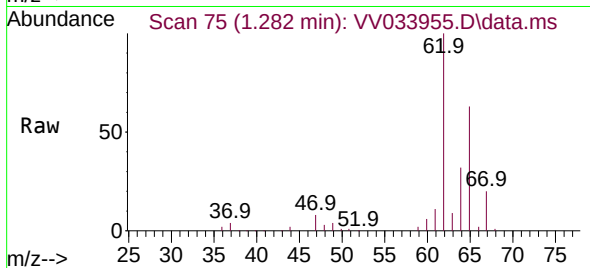
VSTD050393

Tgt Ion: 62 Resp: 77607

Ion Ratio Lower Upper

62 100

64 32.1 23.2 43.0



#6

Bromomethane

Concen: 42.935 ug/L

RT: 1.478 min Scan# 136

Delta R.T. -0.003 min

Lab File: VV033955.D

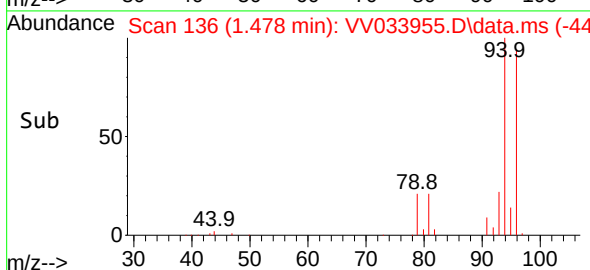
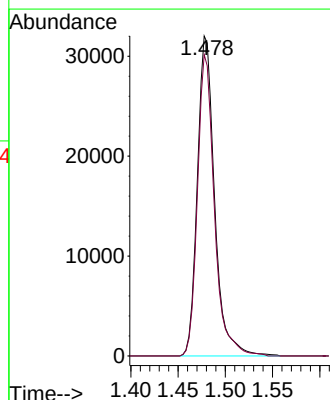
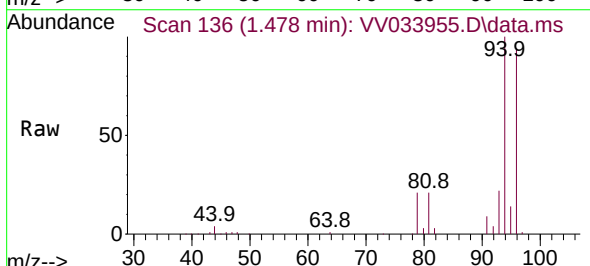
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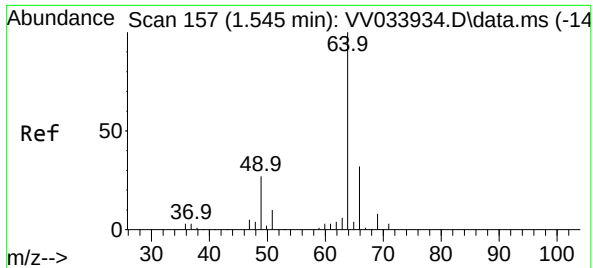
Tgt Ion: 94 Resp: 40677

Ion Ratio Lower Upper

94 100

96 94.2 66.4 123.2

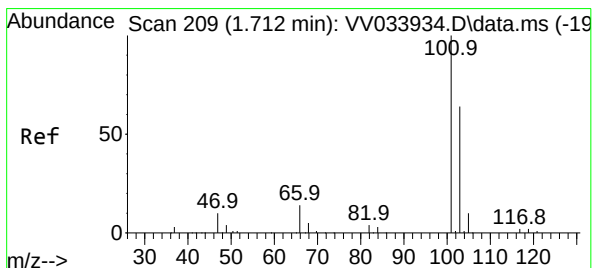
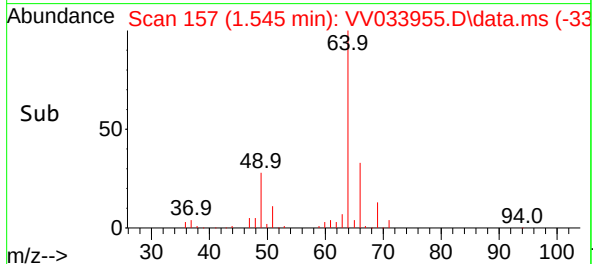
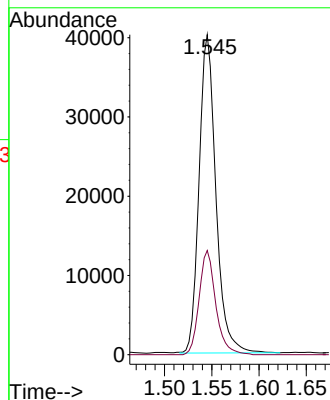
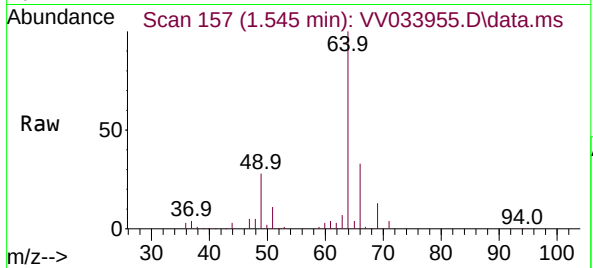




#8
Chloroethane
Concen: 45.917 ug/L
RT: 1.545 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

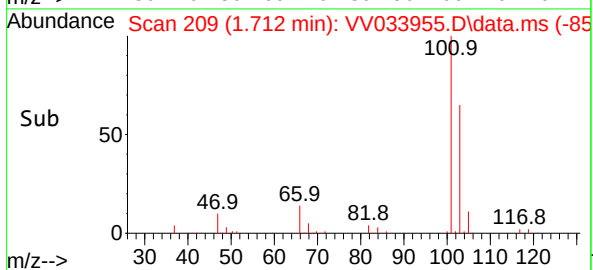
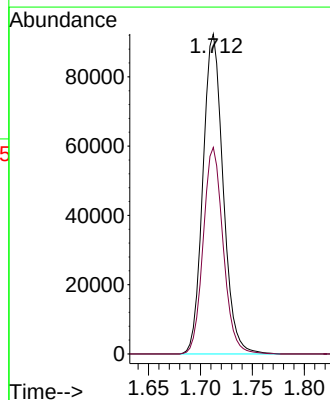
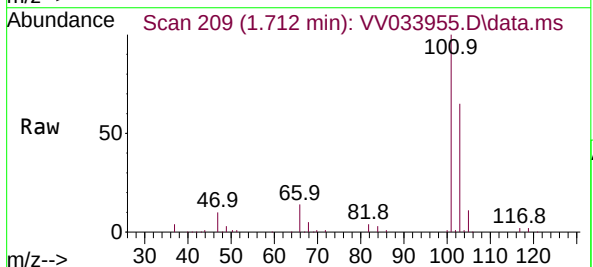
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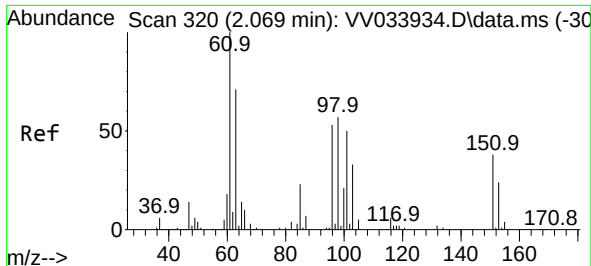
Tgt Ion: 64 Resp: 49633
Ion Ratio Lower Upper
64 100
66 32.6 22.5 41.9



#9
Trichlorofluoromethane
Concen: 57.671 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

Tgt Ion:101 Resp: 124753
Ion Ratio Lower Upper
101 100
103 63.8 51.3 76.9

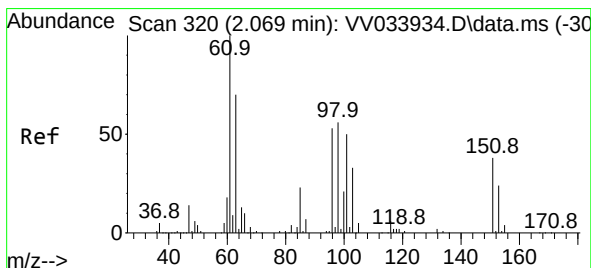
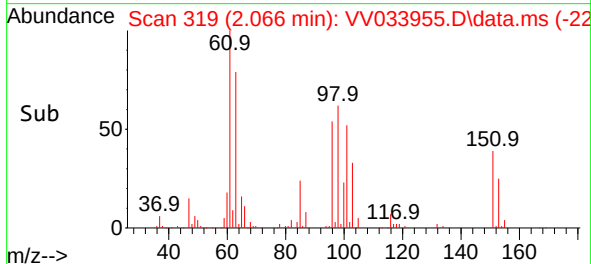
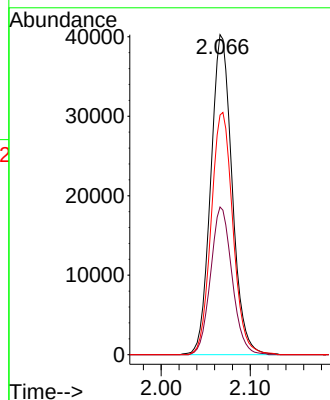
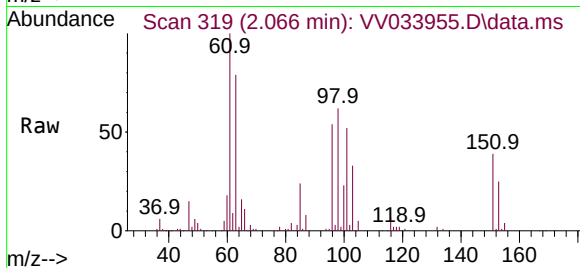




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 52.718 ug/L
RT: 2.066 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

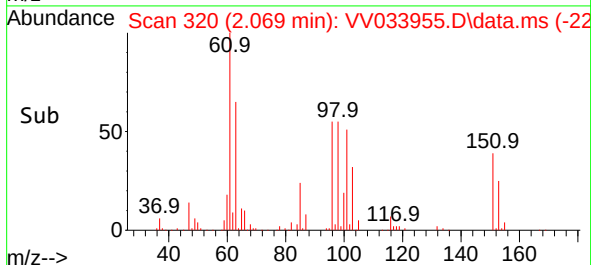
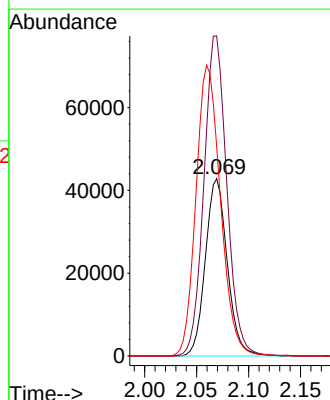
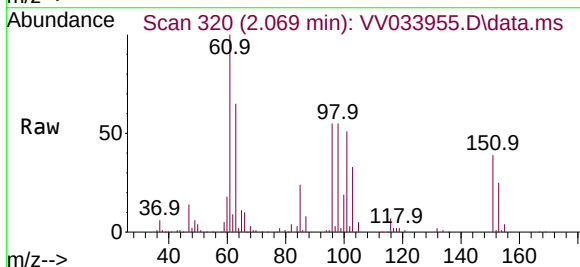
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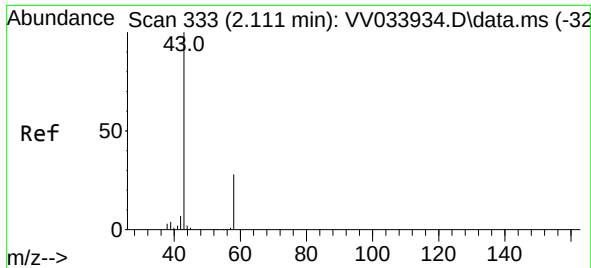
Tgt Ion:101 Resp: 67187
Ion Ratio Lower Upper
101 100
85 46.1 36.2 54.4
151 77.0 56.5 84.7



#12
1,1-Dichloroethene
Concen: 52.094 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.000 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

Tgt Ion: 96 Resp: 62625
Ion Ratio Lower Upper
96 100
61 180.5 134.0 248.8
63 118.2 103.4 192.0





#13

Acetone

Concen: 96.184 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.000 min

Lab File: VV033955.D

Acq: 01 Feb 2024 17:51

Instrument :

MSVOA_V

ClientSampleId :

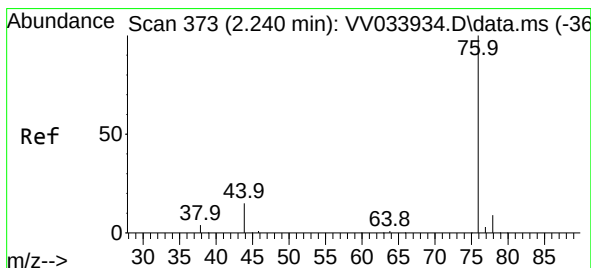
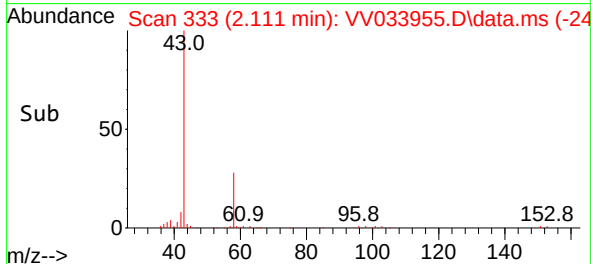
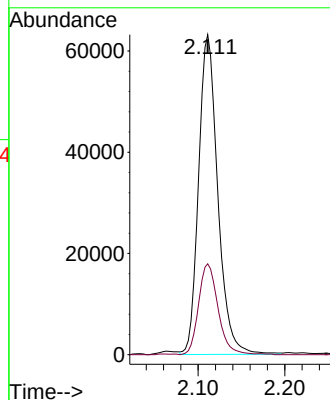
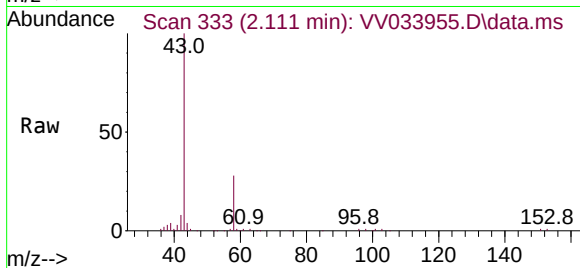
VSTD050393

Tgt Ion: 43 Resp: 97106

Ion Ratio Lower Upper

43 100

58 28.8 0.0 57.2



#14

Carbon disulfide

Concen: 40.569 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV033955.D

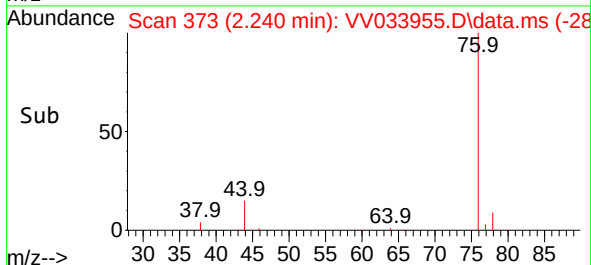
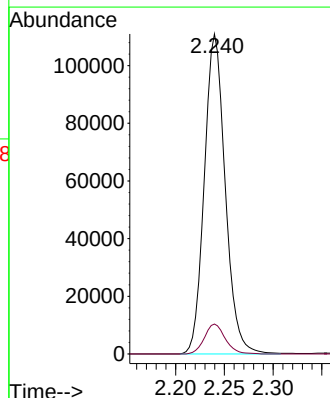
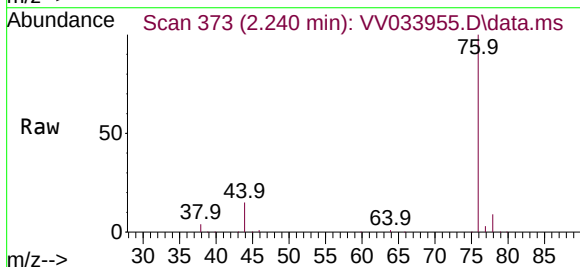
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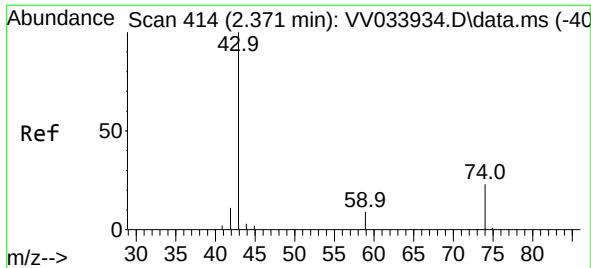
Tgt Ion: 76 Resp: 165757

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

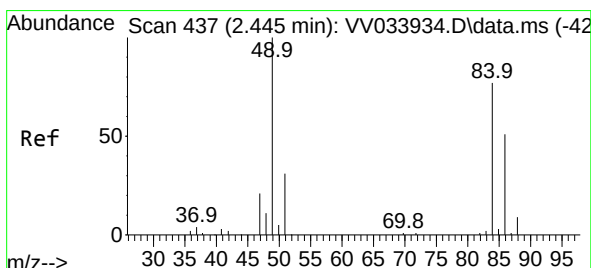
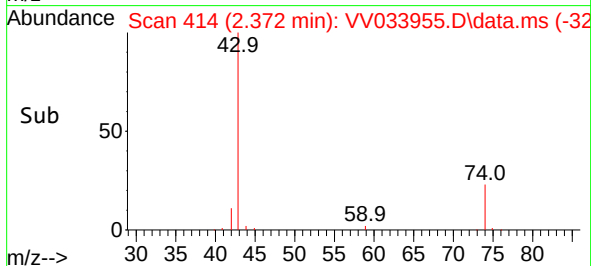
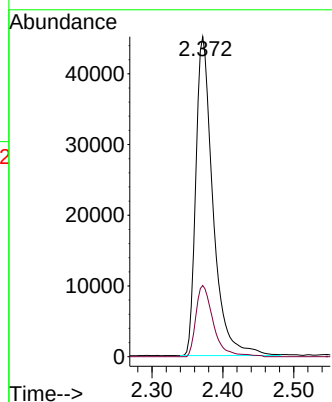
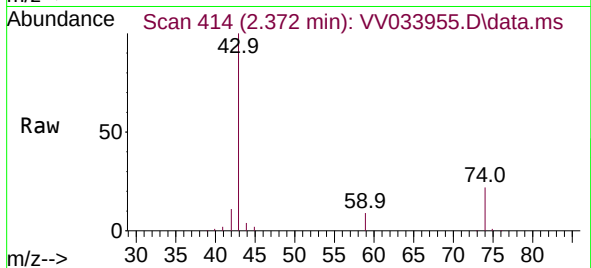




#15
Methyl Acetate
Concen: 45.959 ug/L
RT: 2.372 min Scan# 414
Delta R.T. 0.000 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

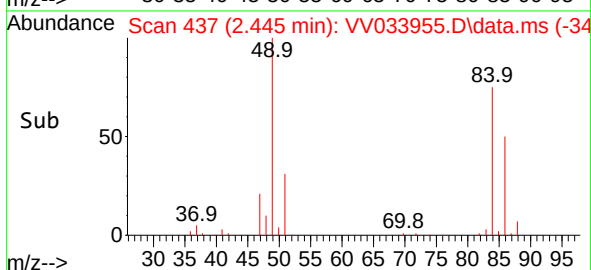
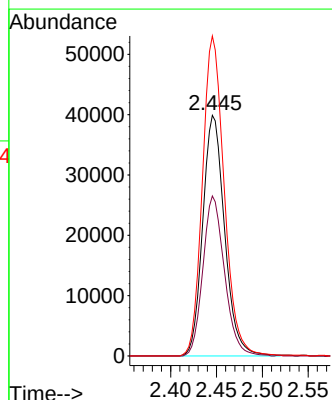
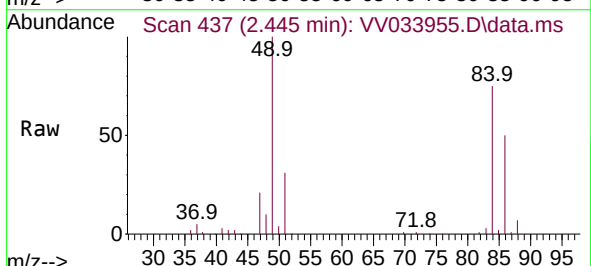
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

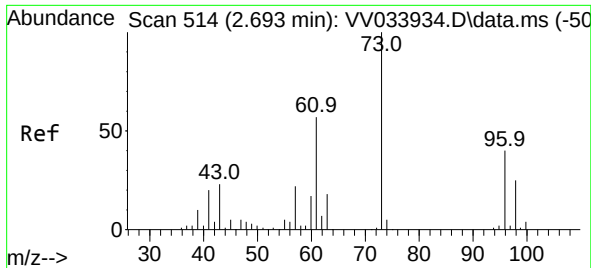
Tgt Ion: 43 Resp: 75873
Ion Ratio Lower Upper
43 100
74 22.7 0.0 0.0#



#16
Methylene chloride
Concen: 45.215 ug/L
RT: 2.445 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

Tgt Ion: 84 Resp: 66309
Ion Ratio Lower Upper
84 100
86 66.5 43.9 81.5
49 132.9 98.3 182.5

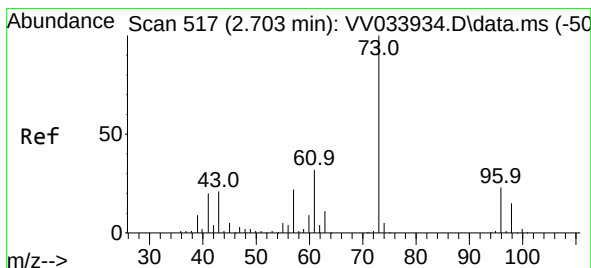
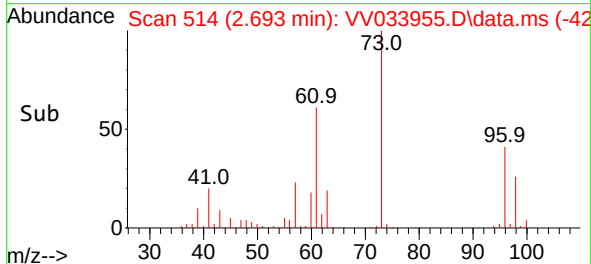
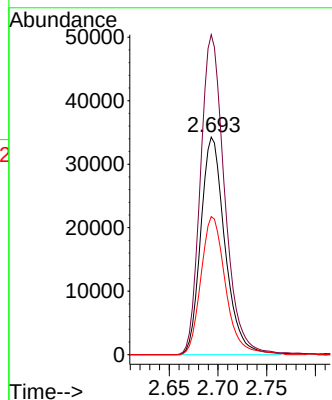
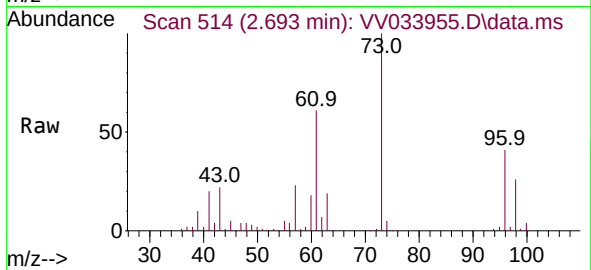




#17
trans-1,2-Dichloroethene
Concen: 44.151 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.000 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

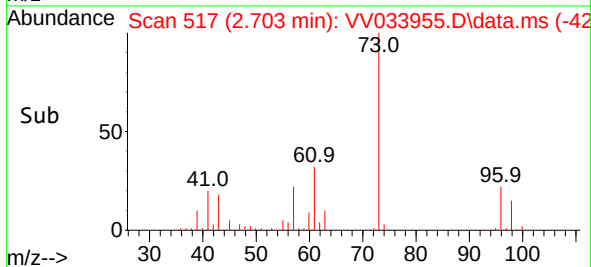
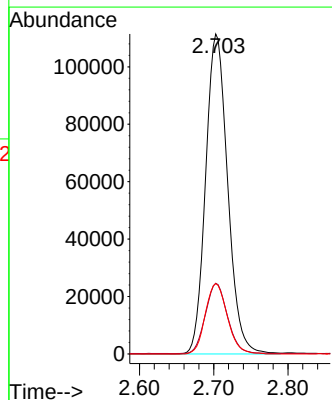
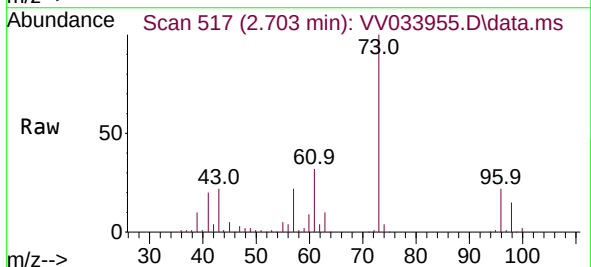
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

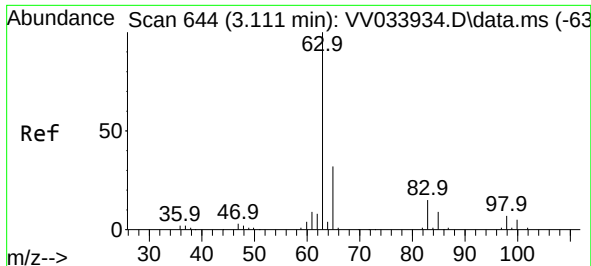
Tgt Ion: 96 Resp: 59288
Ion Ratio Lower Upper
96 100
61 147.1 108.4 201.4
98 63.5 43.8 81.4



#18
Methyl tert-butyl Ether
Concen: 47.571 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

Tgt Ion: 73 Resp: 229748
Ion Ratio Lower Upper
73 100
43 22.0 17.4 26.2
57 21.9 18.6 27.8





#19

1,1-Dichloroethane

Concen: 44.625 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV033955.D

Acq: 01 Feb 2024 17:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD050393

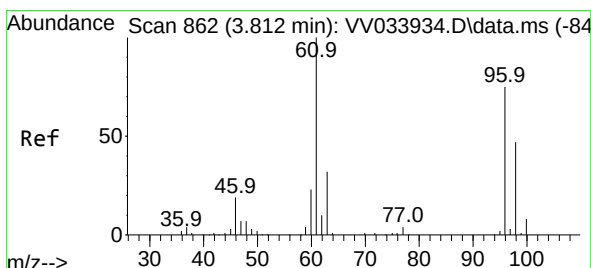
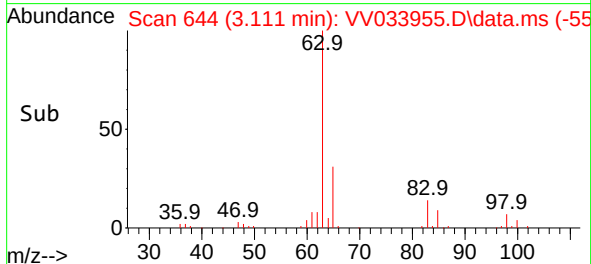
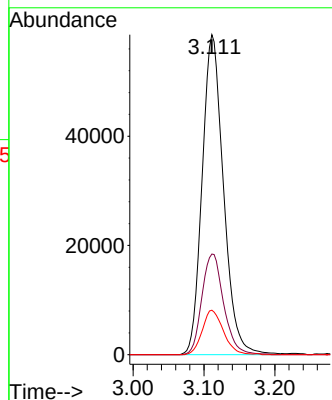
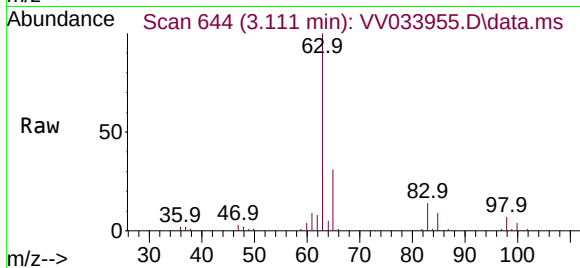
Tgt Ion: 63 Resp: 122511

Ion Ratio Lower Upper

63 100

65 31.5 22.4 41.6

83 13.9 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 46.567 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.003 min

Lab File: VV033955.D

Acq: 01 Feb 2024 17:51

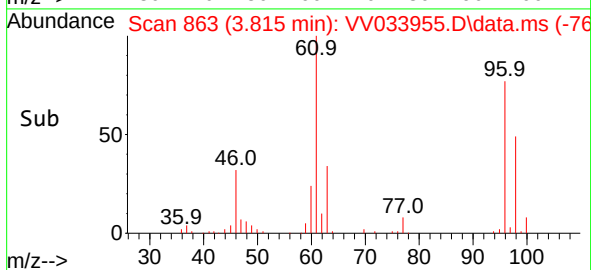
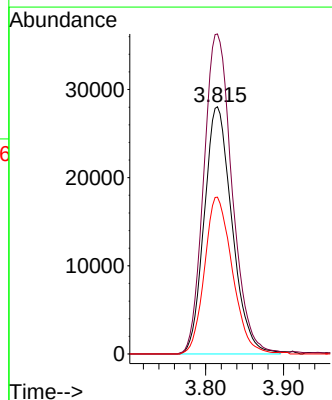
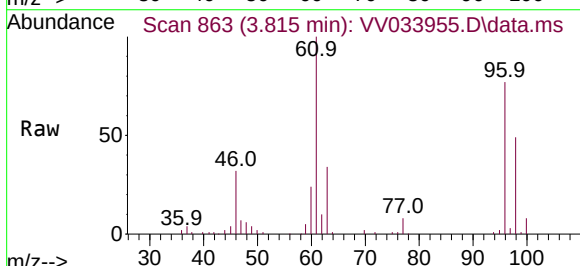
Tgt Ion: 96 Resp: 69596

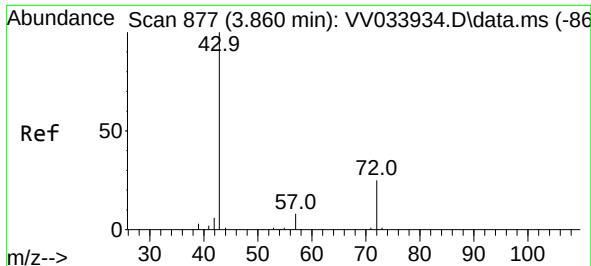
Ion Ratio Lower Upper

96 100

61 129.4 100.6 186.8

98 63.4 44.6 82.8

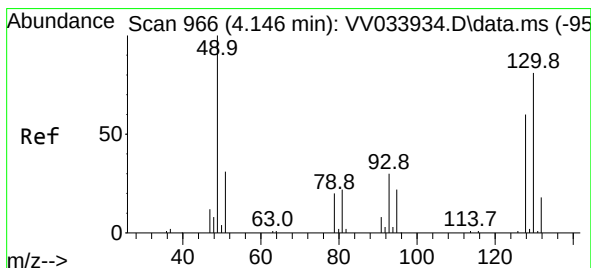
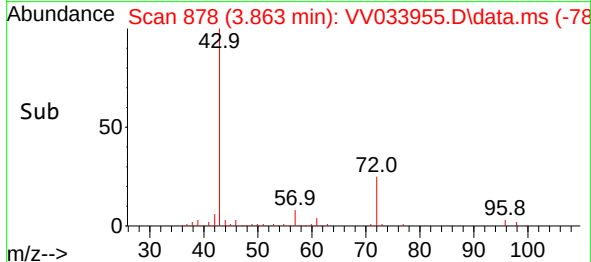
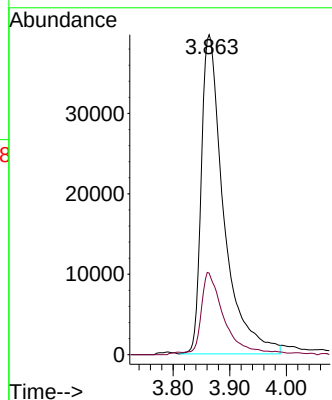
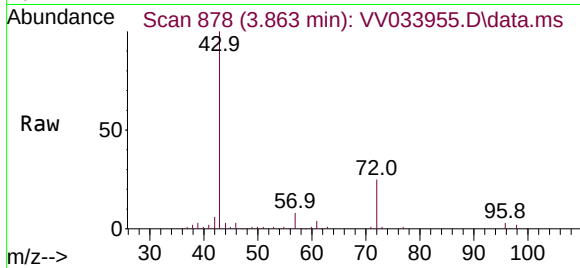




#22
2-Butanone
Concen: 89.025 ug/L
RT: 3.863 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

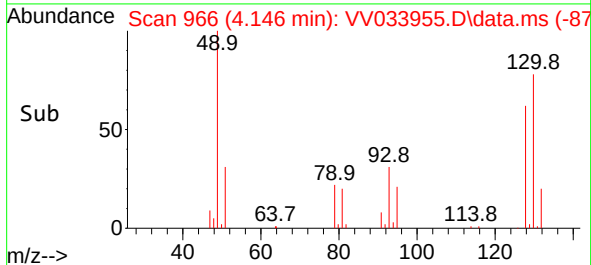
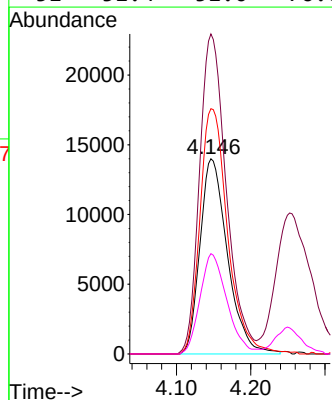
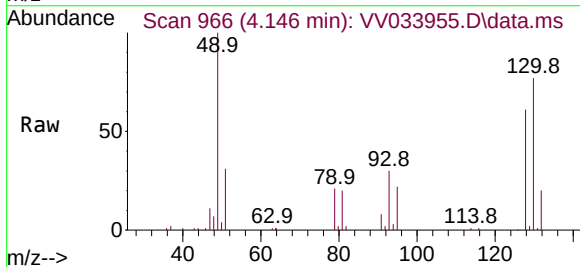
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

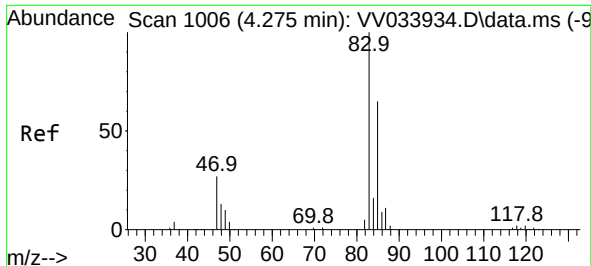
Tgt Ion: 43 Resp: 109161
Ion Ratio Lower Upper
43 100
72 24.5 11.9 35.5



#23
Bromochloromethane
Concen: 49.594 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.000 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

Tgt Ion: 128 Resp: 36008
Ion Ratio Lower Upper
128 100
49 163.9 143.9 267.2
130 125.6 90.6 168.2
51 51.4 51.0 76.6





#25

Chloroform

Concen: 48.283 ug/L

RT: 4.278 min Scan# 1006

Delta R.T. 0.003 min

Lab File: VV033955.D

Acq: 01 Feb 2024 17:51

Instrument :

MSVOA_V

ClientSampleId :

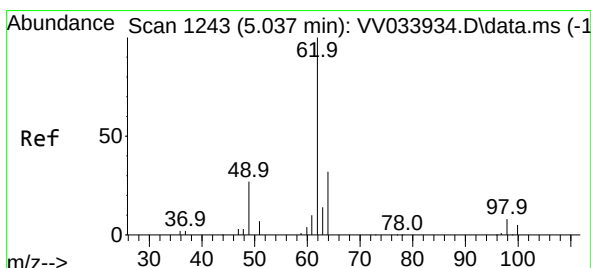
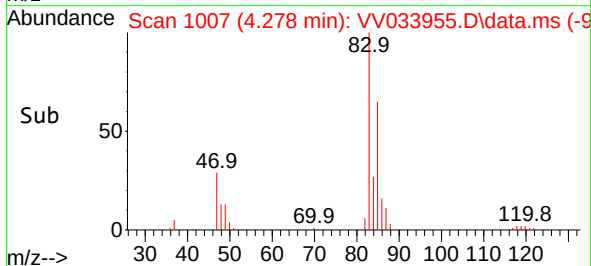
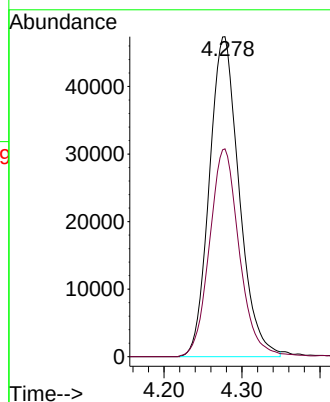
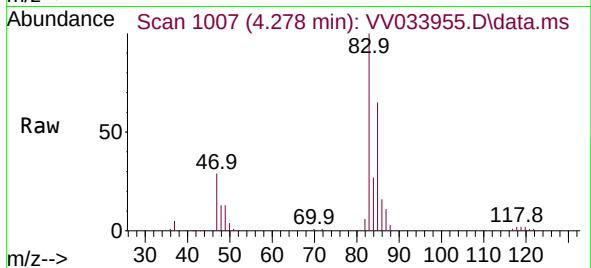
VSTD050393

Tgt Ion: 83 Resp: 125678

Ion Ratio Lower Upper

83 100

85 65.0 45.1 83.9



#27

1,2-Dichloroethane

Concen: 48.702 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV033955.D

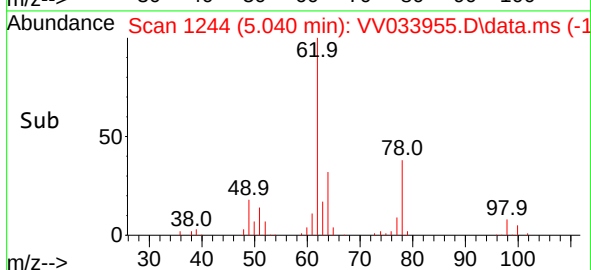
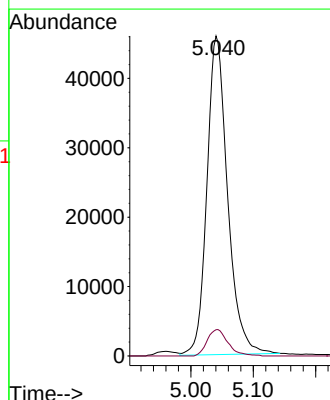
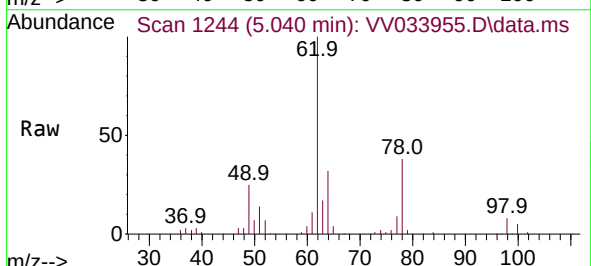
Acq: 01 Feb 2024 17:51

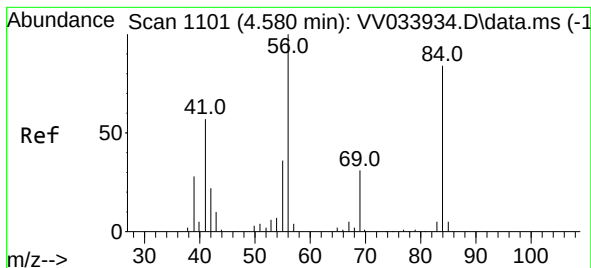
Tgt Ion: 62 Resp: 105884

Ion Ratio Lower Upper

62 100

98 8.2 6.8 10.2





#29

Cyclohexane

Concen: 40.261 ug/L

RT: 4.584 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV033955.D

Acq: 01 Feb 2024 17:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD050393

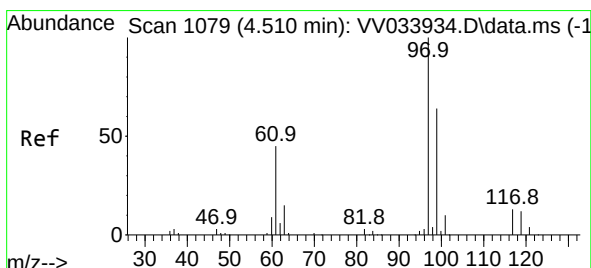
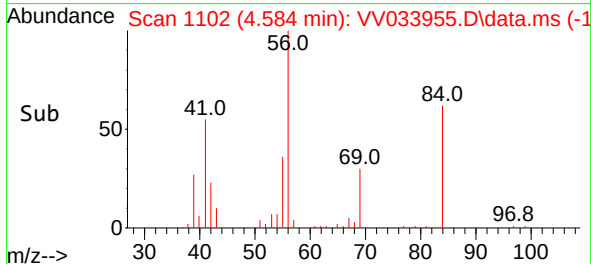
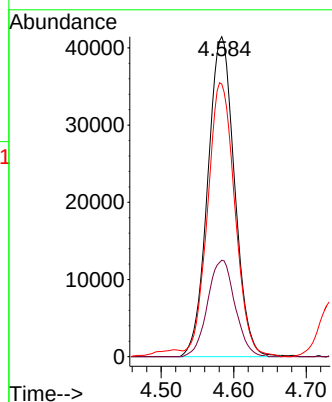
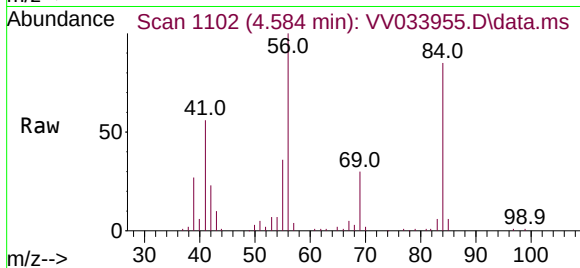
Tgt Ion: 56 Resp: 106417

Ion Ratio Lower Upper

56 100

69 30.8 23.8 35.6

84 87.2 63.8 95.6



#30

1,1,1-Trichloroethane

Concen: 52.614 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV033955.D

Acq: 01 Feb 2024 17:51

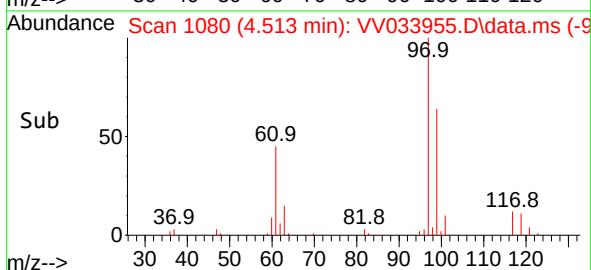
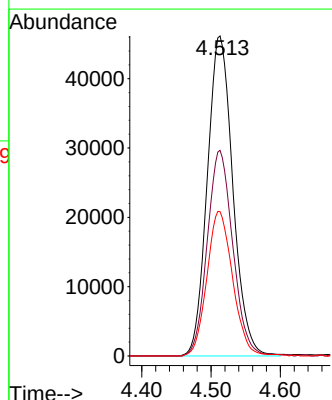
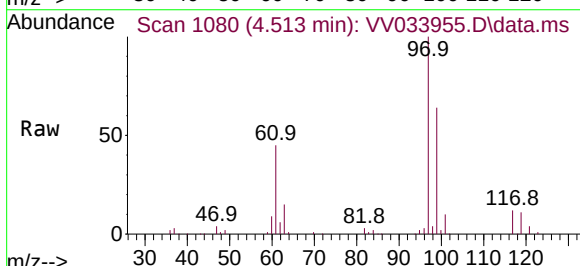
Tgt Ion: 97 Resp: 118380

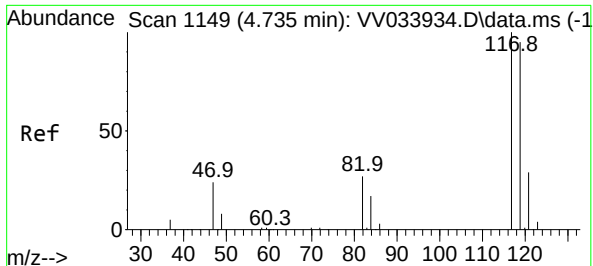
Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.0

61 45.4 38.2 57.2

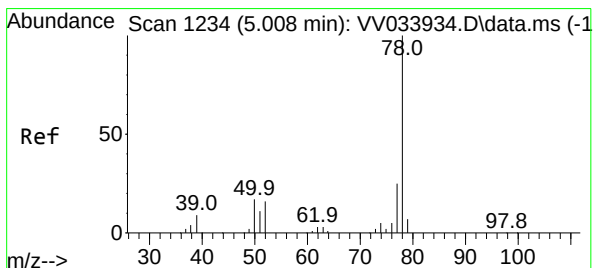
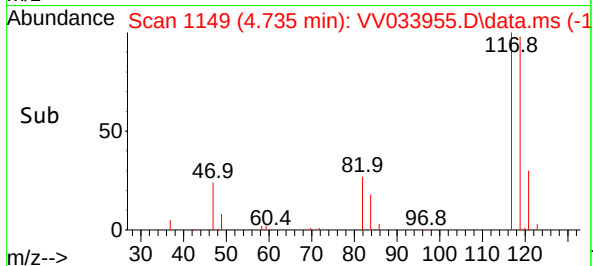
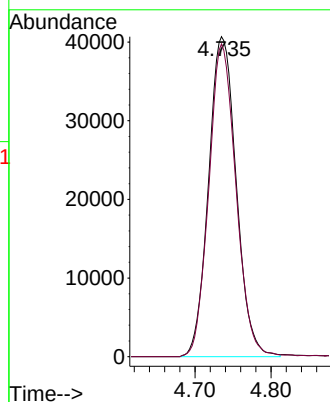
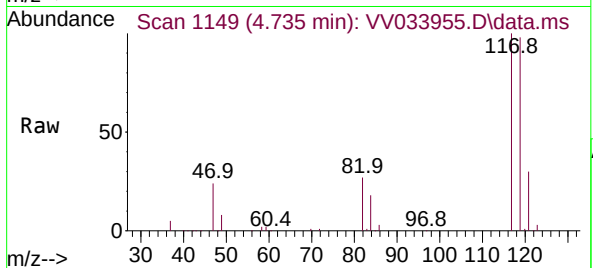




#31
Carbon tetrachloride
Concen: 53.575 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

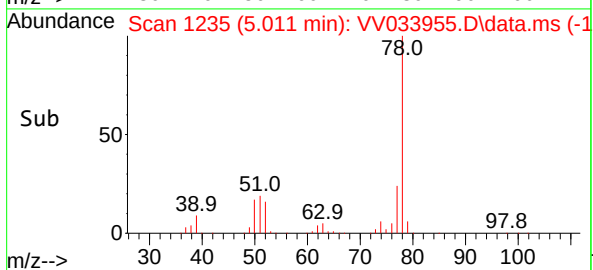
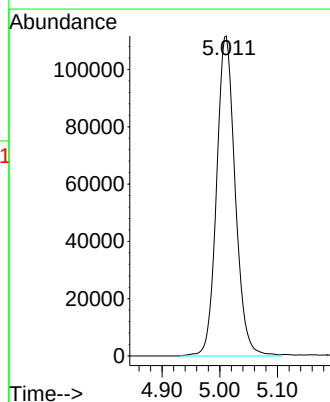
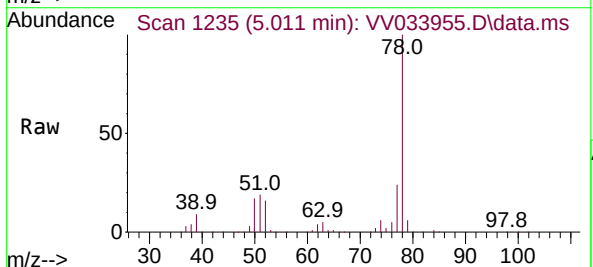
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

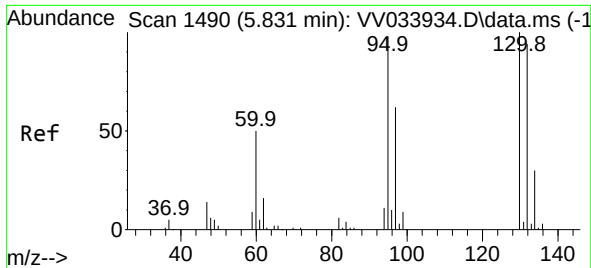
Tgt Ion:117 Resp: 102891
Ion Ratio Lower Upper
117 100
119 95.7 77.0 115.4



#33
Benzene
Concen: 45.448 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

Tgt Ion: 78 Resp: 250273

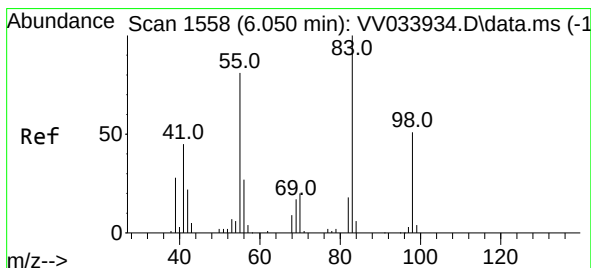
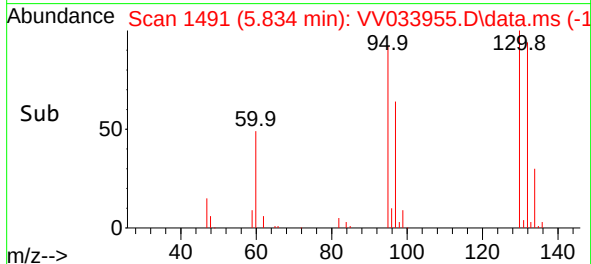
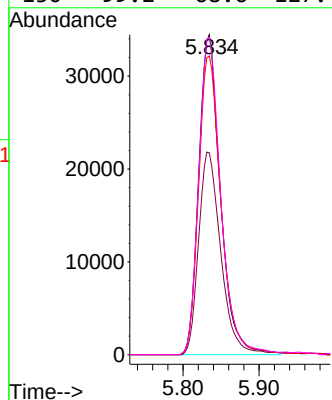
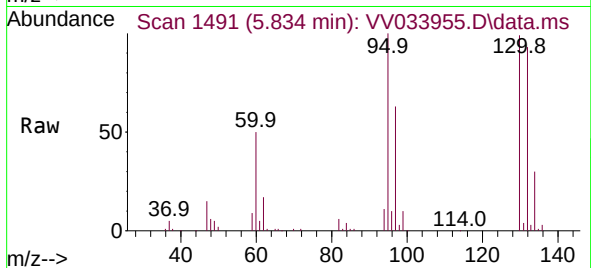




#34
Trichloroethene
Concen: 46.196 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.003 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

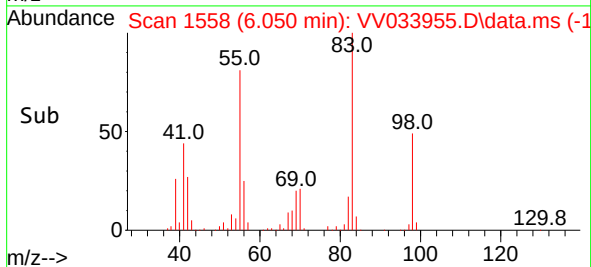
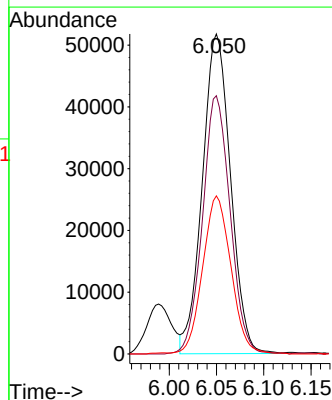
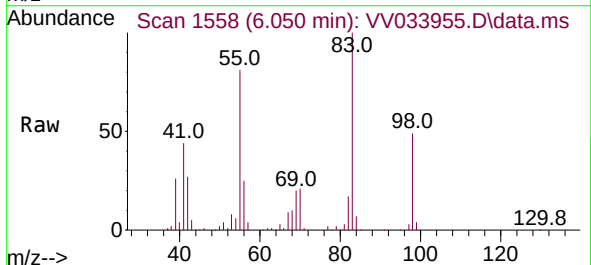
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

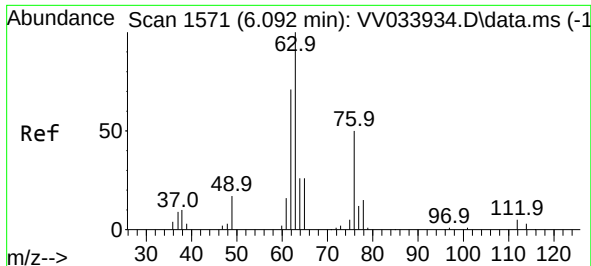
Tgt Ion: 95 Resp: 68240
Ion Ratio Lower Upper
95 100
97 63.1 44.4 82.4
132 93.3 65.5 121.7
130 99.2 68.6 127.4



#35
Methylcyclohexane
Concen: 42.498 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.000 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

Tgt Ion: 83 Resp: 107434
Ion Ratio Lower Upper
83 100
55 79.1 67.1 100.7
98 48.8 37.7 56.5





#37

1,2-Dichloropropane

Concen: 44.555 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV033955.D

Acq: 01 Feb 2024 17:51

Instrument :

MSVOA_V

ClientSampleId :

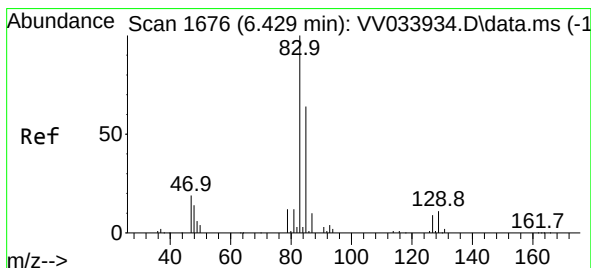
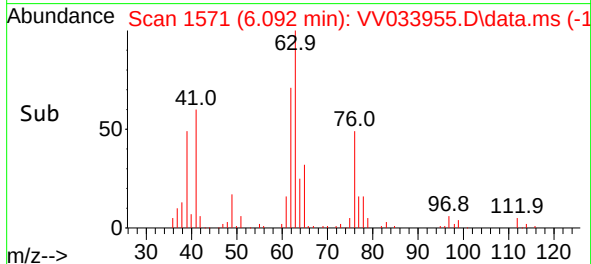
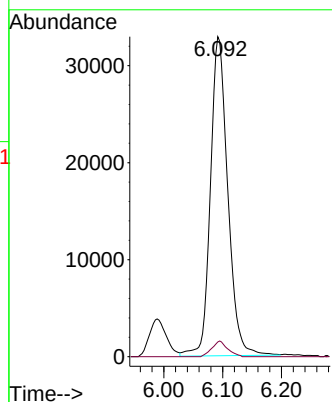
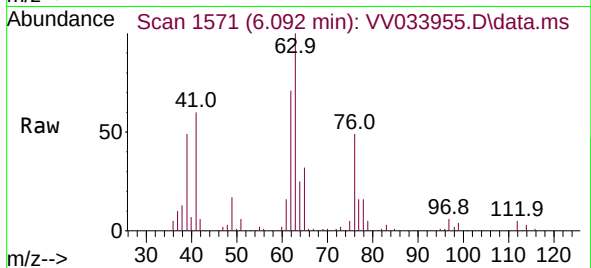
VSTD050393

Tgt Ion: 63 Resp: 67517

Ion Ratio Lower Upper

63 100

112 4.4 3.1 4.7



#38

Bromodichloromethane

Concen: 47.989 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.003 min

Lab File: VV033955.D

Acq: 01 Feb 2024 17:51

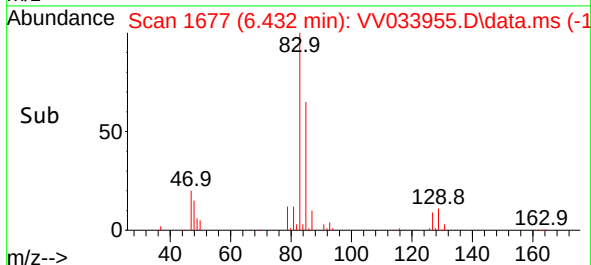
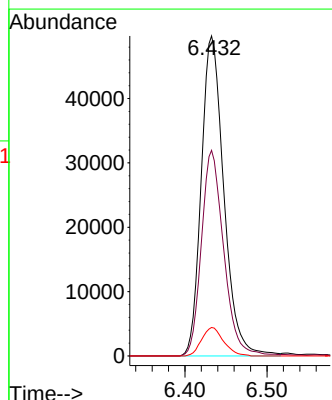
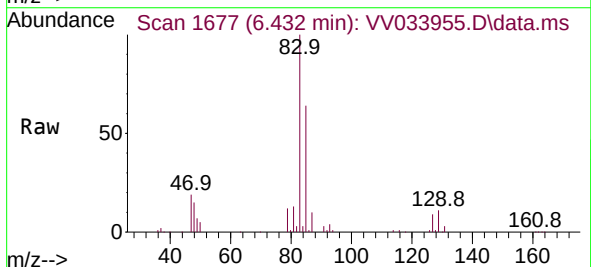
Tgt Ion: 83 Resp: 95132

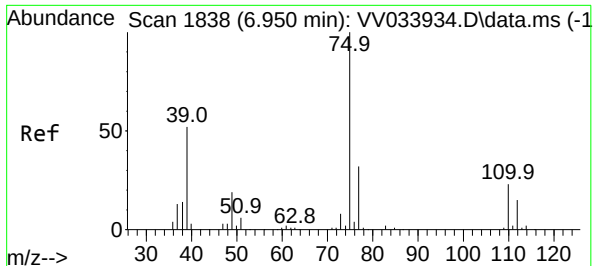
Ion Ratio Lower Upper

83 100

85 64.2 45.1 83.7

127 8.9 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 45.675 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.003 min

Lab File: VV033955.D

Acq: 01 Feb 2024 17:51

Instrument :

MSVOA_V

ClientSampleId :

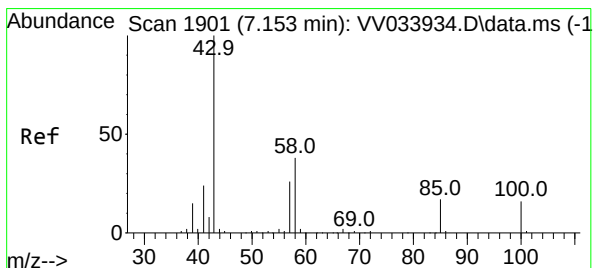
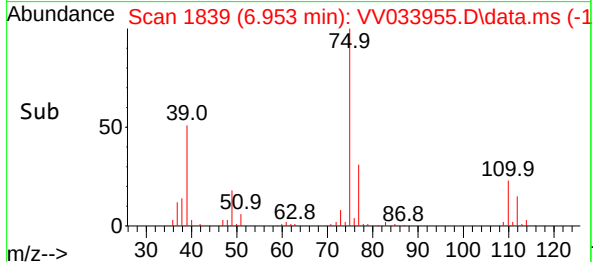
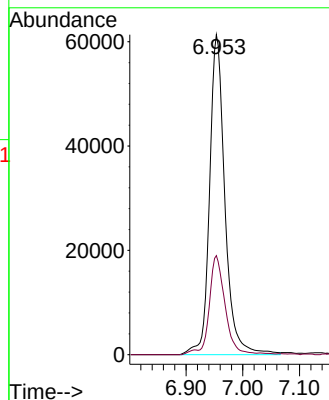
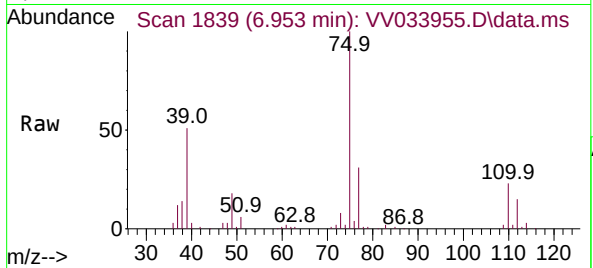
VSTD050393

Tgt Ion: 75 Resp: 115583

Ion Ratio Lower Upper

75 100

77 31.0 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 90.553 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VV033955.D

Acq: 01 Feb 2024 17:51

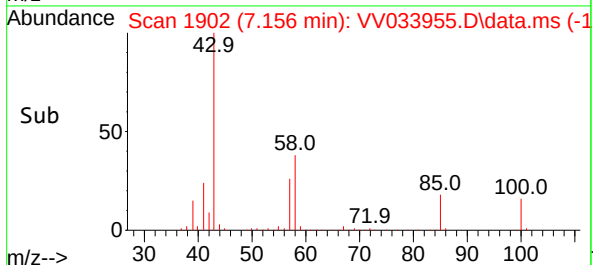
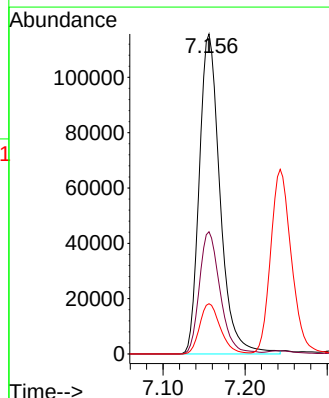
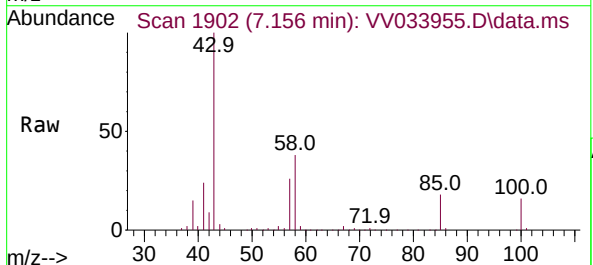
Tgt Ion: 43 Resp: 203325

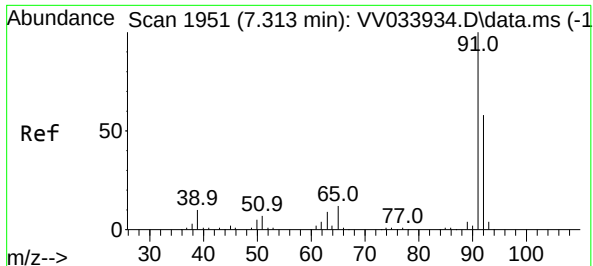
Ion Ratio Lower Upper

43 100

58 38.2 29.6 44.4

100 15.7 10.6 16.0





#42

Toluene

Concen: 46.653 ug/L

RT: 7.317 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV033955.D

Acq: 01 Feb 2024 17:51

Instrument :

MSVOA_V

ClientSampleId :

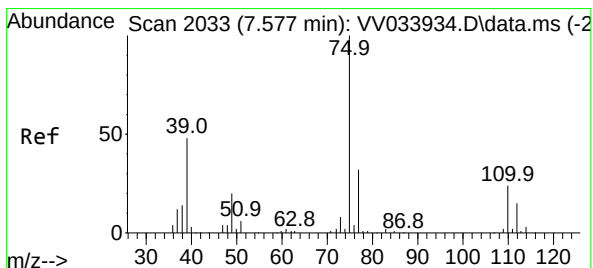
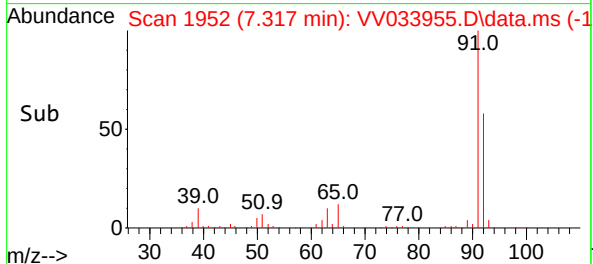
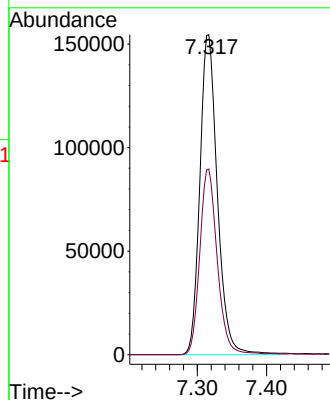
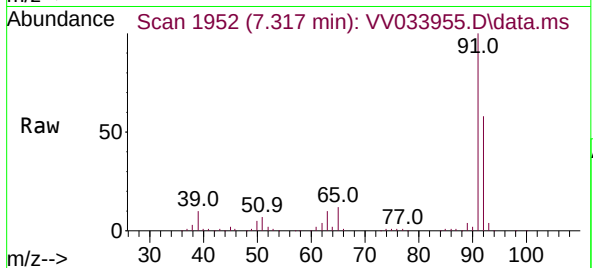
VSTD050393

Tgt Ion: 91 Resp: 271577

Ion Ratio Lower Upper

91 100

92 58.0 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 46.880 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV033955.D

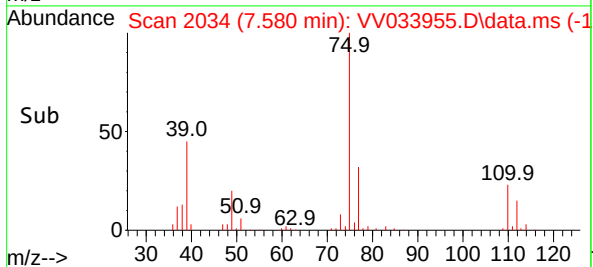
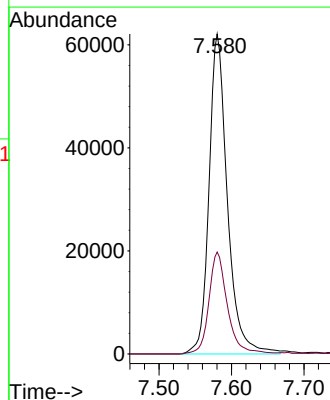
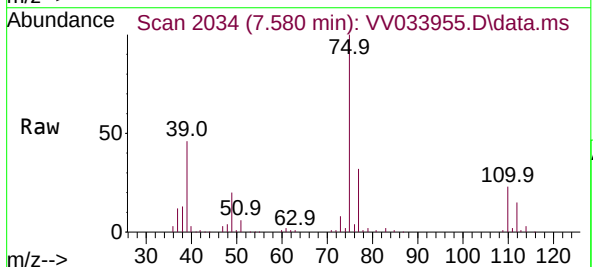
Acq: 01 Feb 2024 17:51

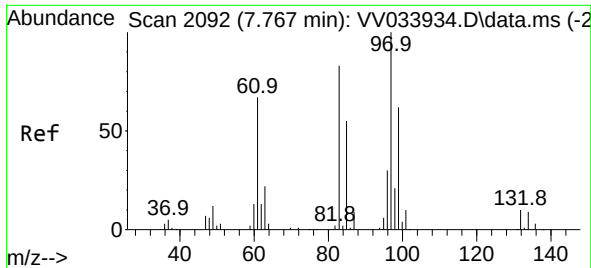
Tgt Ion: 75 Resp: 109321

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.0

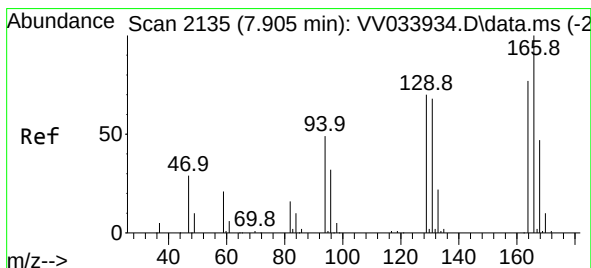
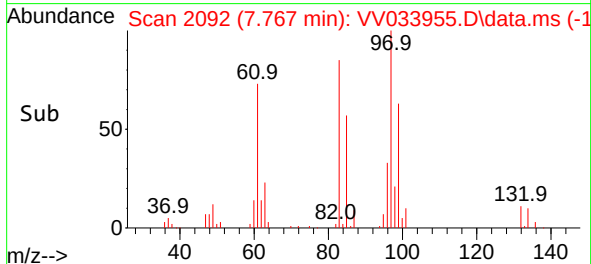
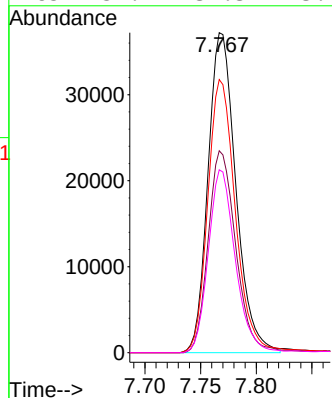
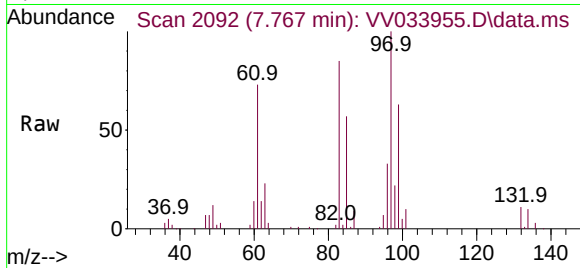




#45
1,1,2-Trichloroethane
Concen: 47.090 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.000 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

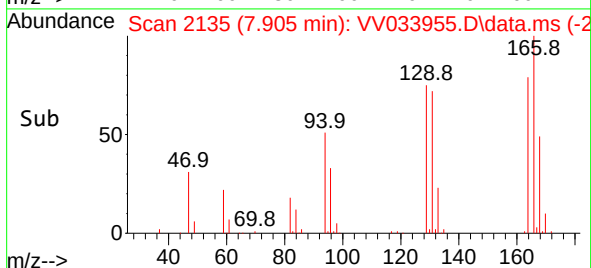
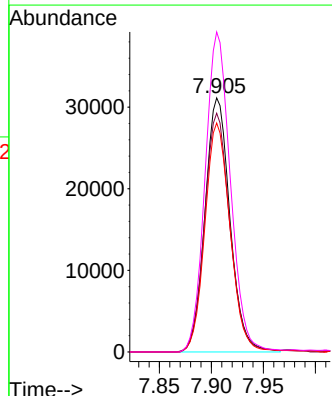
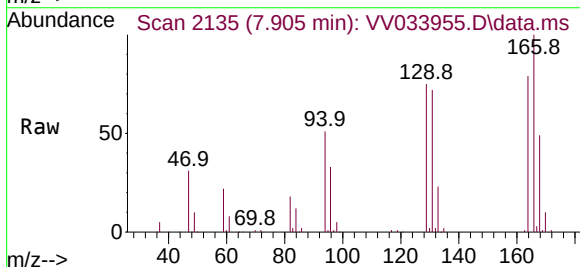
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

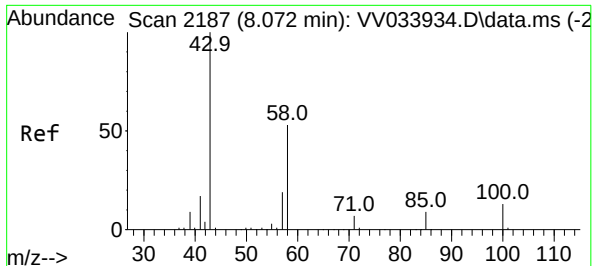
Tgt Ion:	97	Resp:	64746
Ion	Ratio	Lower	Upper
97	100		
99	63.1	42.8	79.6
83	85.4	61.2	113.8
85	57.1	39.3	73.1



#46
Tetrachloroethene
Concen: 48.068 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

Tgt Ion:	164	Resp:	52081
Ion	Ratio	Lower	Upper
164	100		
129	94.0	66.1	122.7
131	90.1	65.9	122.5
166	125.9	88.5	164.3



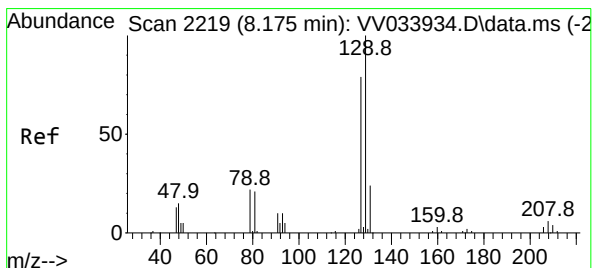
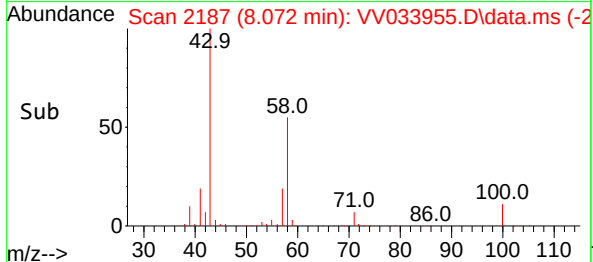
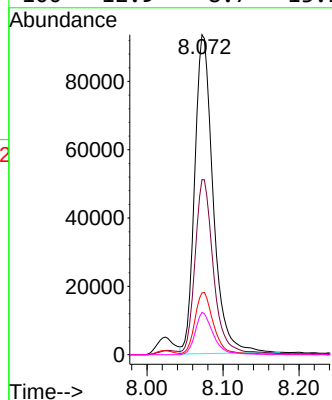
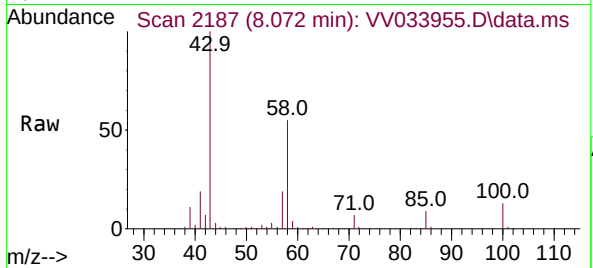


#48
2-Hexanone
Concen: 88.211 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

Tgt Ion: 43 Resp: 157823

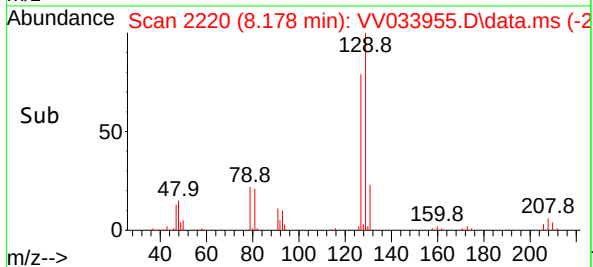
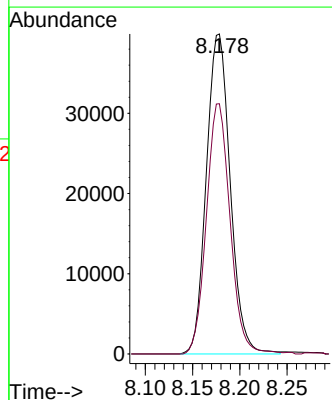
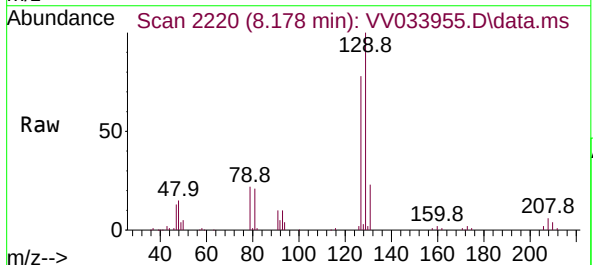
Ion	Ratio	Lower	Upper
43	100		
58	52.4	42.3	63.5
57	18.9	14.2	21.2
100	12.9	8.7	13.1

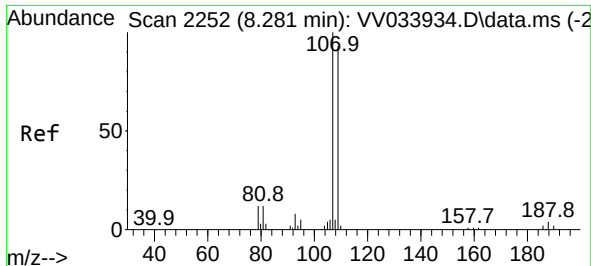


#49
Dibromochloromethane
Concen: 49.008 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.003 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

Tgt Ion: 129 Resp: 70180

Ion	Ratio	Lower	Upper
129	100		
127	78.2	54.5	101.3





#50

1,2-Dibromoethane

Concen: 47.083 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033955.D

Acq: 01 Feb 2024 17:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD050393

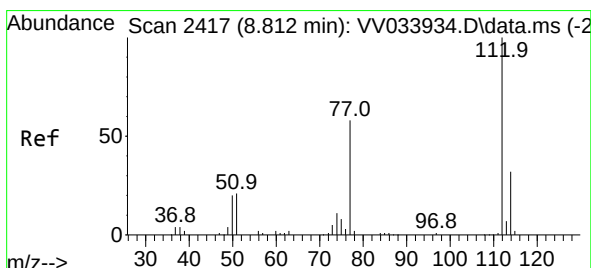
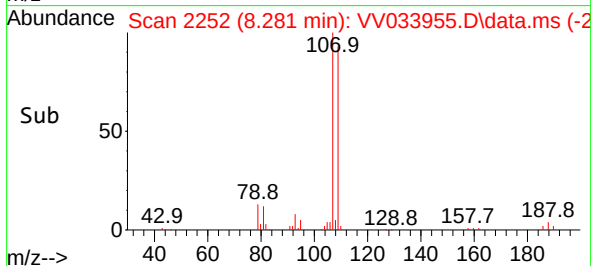
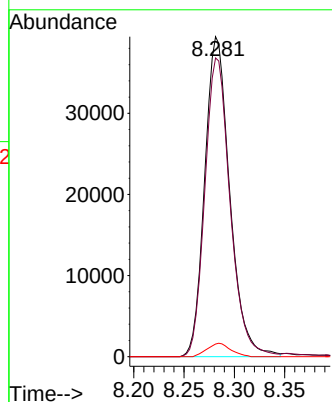
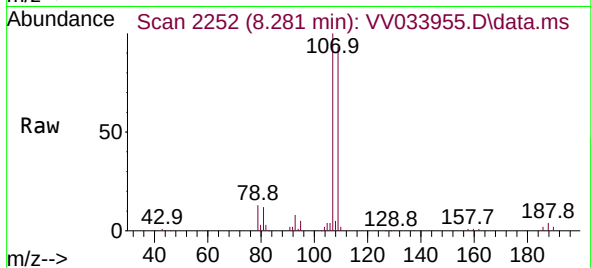
Tgt Ion:107 Resp: 68413

Ion Ratio Lower Upper

107 100

109 93.4 66.4 123.4

188 3.9 2.7 4.1



#51

Chlorobenzene

Concen: 46.972 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.000 min

Lab File: VV033955.D

Acq: 01 Feb 2024 17:51

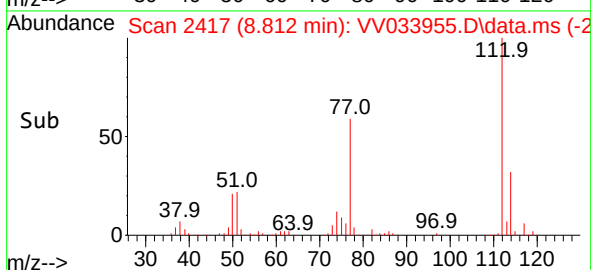
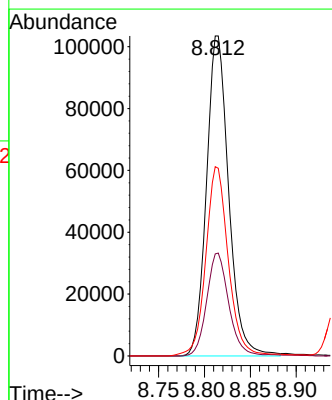
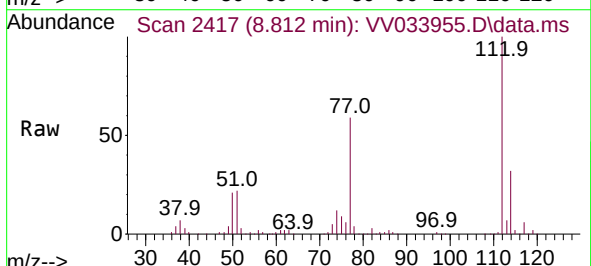
Tgt Ion:112 Resp: 174173

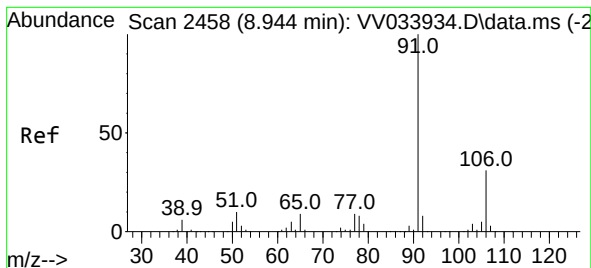
Ion Ratio Lower Upper

112 100

114 31.9 22.5 41.7

77 59.2 49.4 74.0





#52

Ethylbenzene

Concen: 45.475 ug/L

RT: 8.947 min Scan# 2458

Delta R.T. 0.003 min

Lab File: VV033955.D

Acq: 01 Feb 2024 17:51

Instrument :

MSVOA_V

ClientSampleId :

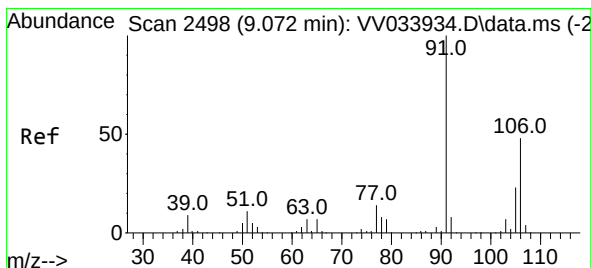
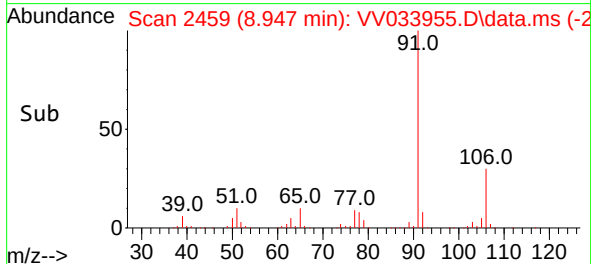
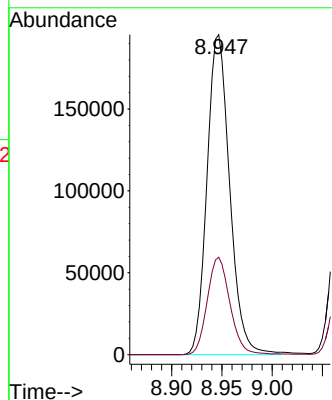
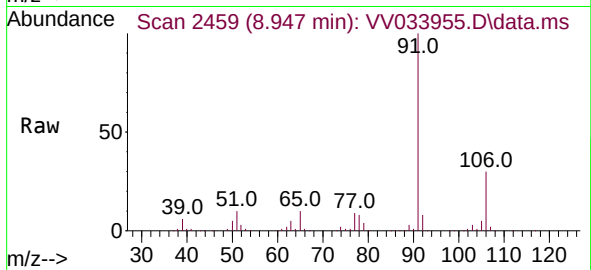
VSTD050393

Tgt Ion: 91 Resp: 306610

Ion Ratio Lower Upper

91 100

106 30.4 21.5 39.9



#53

m,p-Xylene

Concen: 46.326 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.000 min

Lab File: VV033955.D

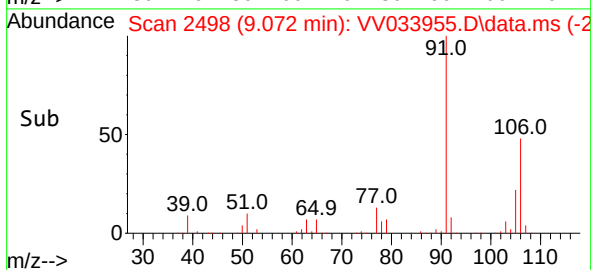
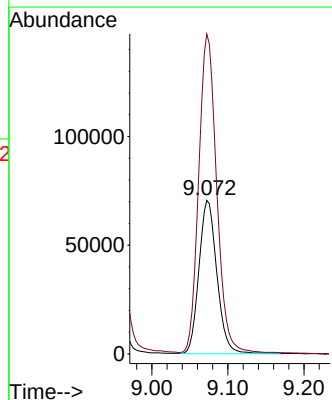
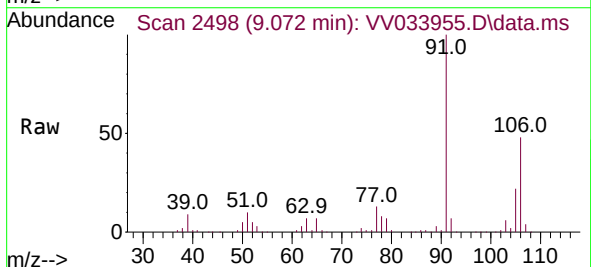
Acq: 01 Feb 2024 17:51

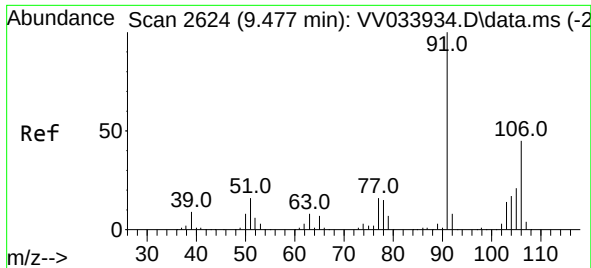
Tgt Ion:106 Resp: 115314

Ion Ratio Lower Upper

106 100

91 208.2 146.1 271.3

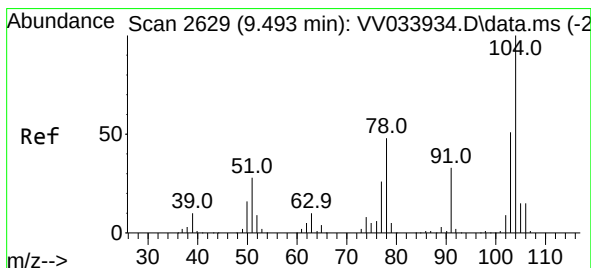
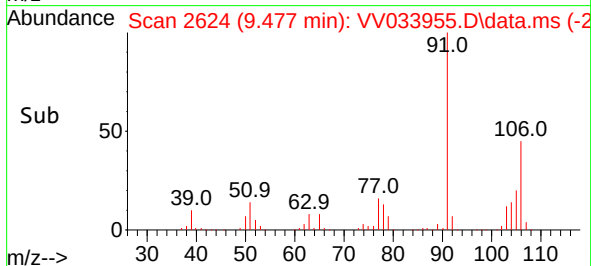
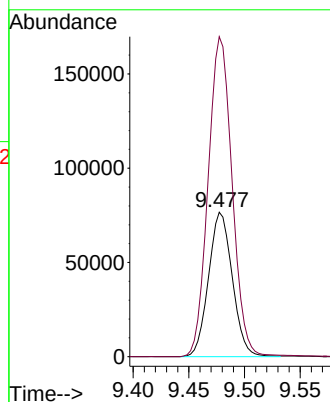
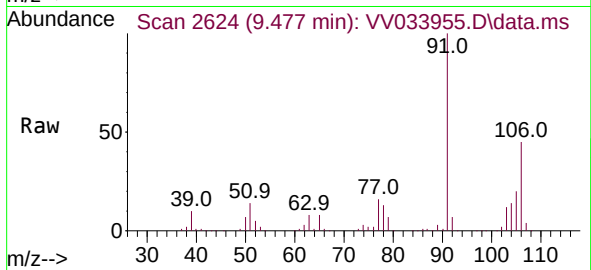




#54
o-Xylene
Concen: 46.201 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

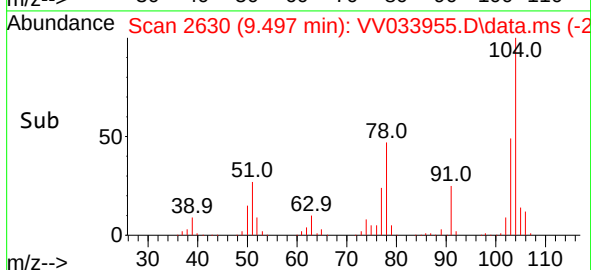
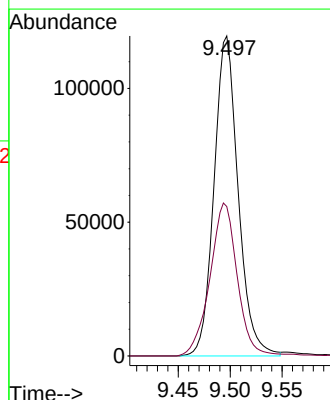
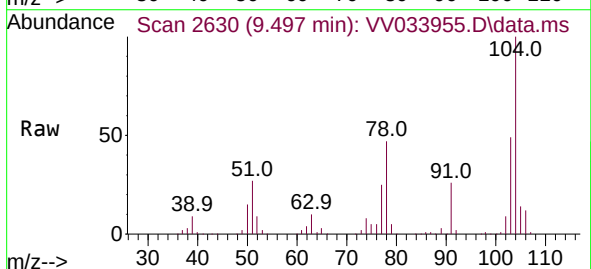
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

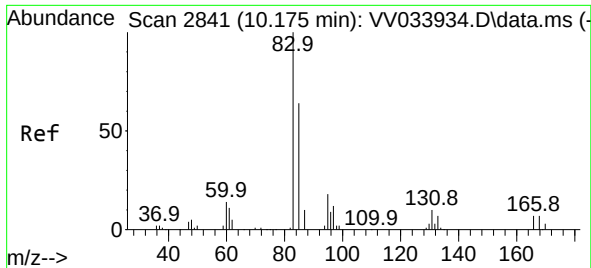
Tgt Ion:106 Resp: 113851
Ion Ratio Lower Upper
106 100
91 221.6 155.2 288.2



#55
Styrene
Concen: 45.470 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

Tgt Ion:104 Resp: 193453
Ion Ratio Lower Upper
104 100
78 46.7 33.0 61.4

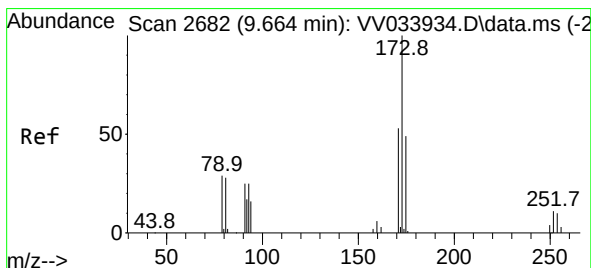
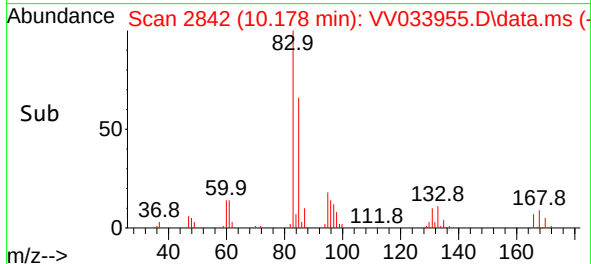
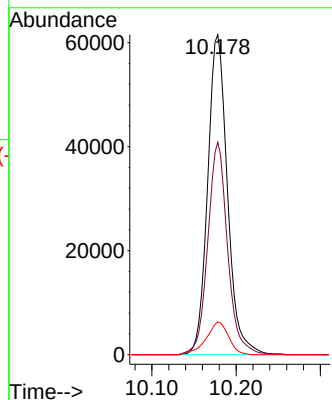
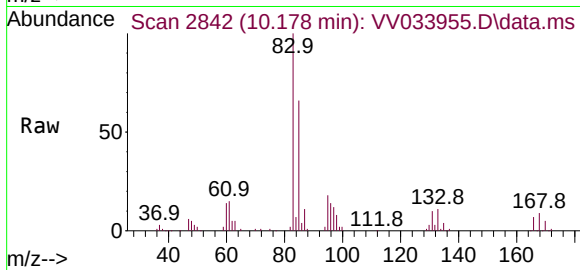




#57
1,1,2,2-Tetrachloroethane
Concen: 45.914 ug/L
RT: 10.178 min Scan# 2841
Delta R.T. 0.003 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

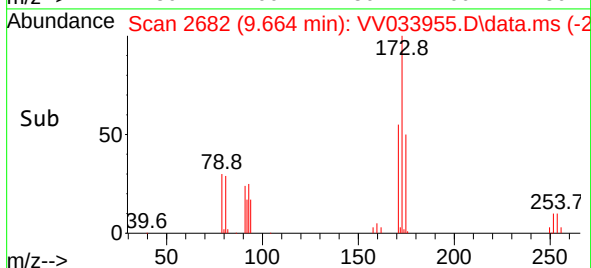
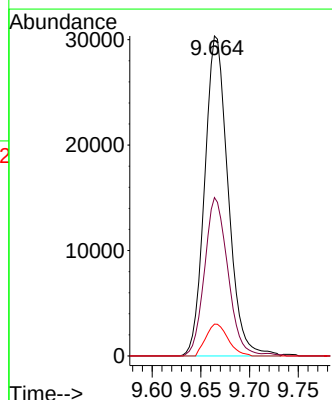
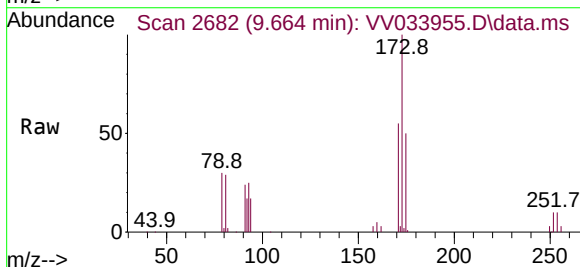
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

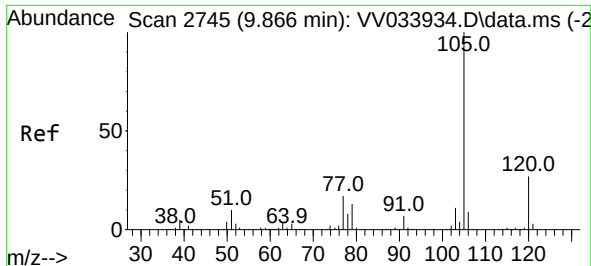
Tgt Ion: 83 Resp: 100467
Ion Ratio Lower Upper
83 100
85 66.4 44.9 83.5
131 10.2 7.5 11.3



#59
Bromoform
Concen: 48.690 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.000 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

Tgt Ion: 173 Resp: 50683
Ion Ratio Lower Upper
173 100
175 49.2 37.2 55.8
254 9.4 7.4 11.0

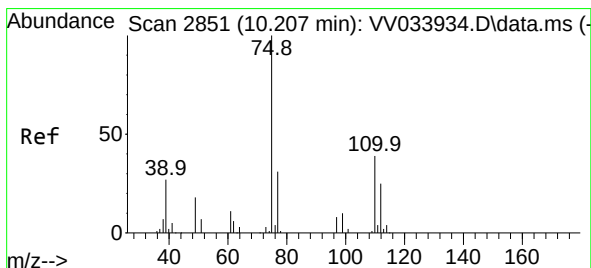
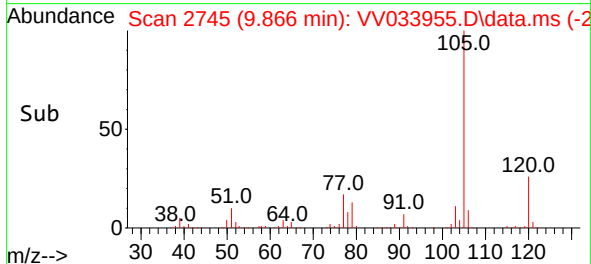
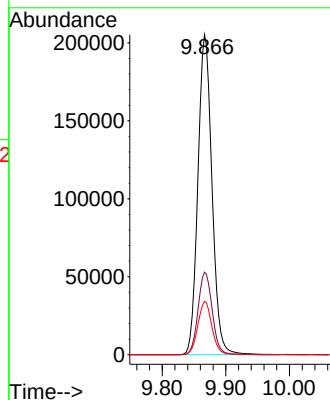
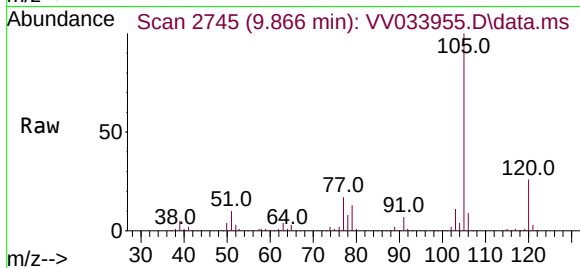




#60
Isopropylbenzene
Concen: 47.639 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

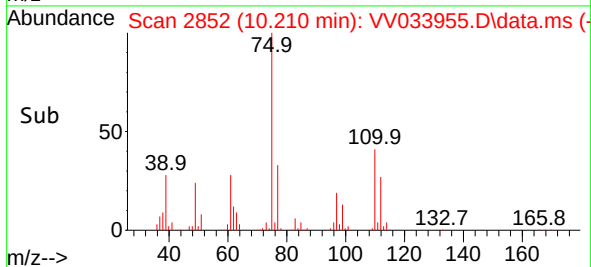
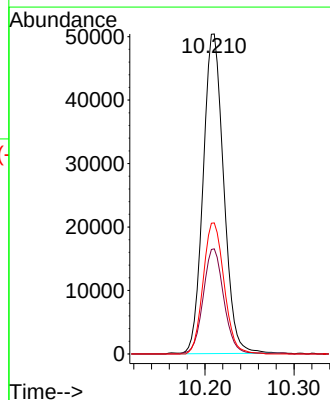
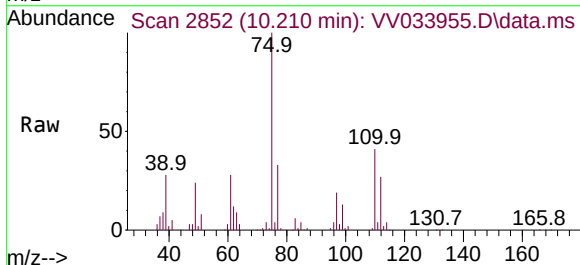
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

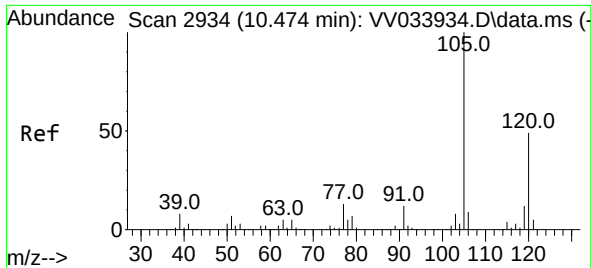
Tgt Ion:105 Resp: 315685
Ion Ratio Lower Upper
105 100
120 25.7 20.6 31.0
77 16.7 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 46.467 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

Tgt Ion: 75 Resp: 80768
Ion Ratio Lower Upper
75 100
77 33.1 25.3 37.9
110 41.8 29.5 44.3

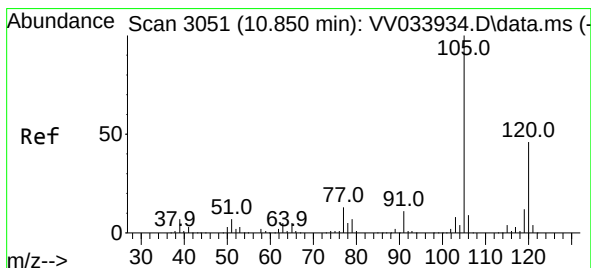
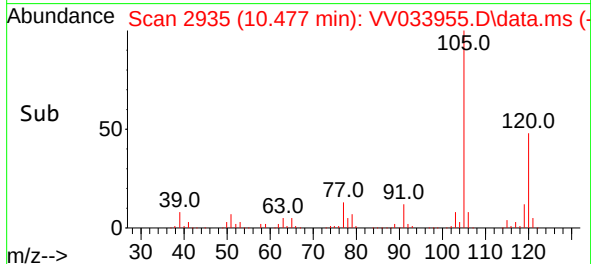
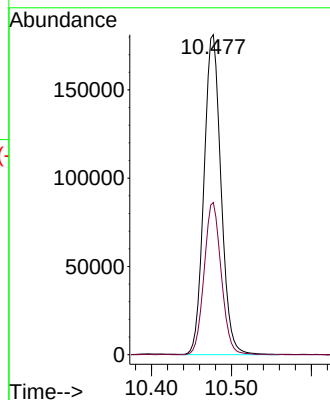
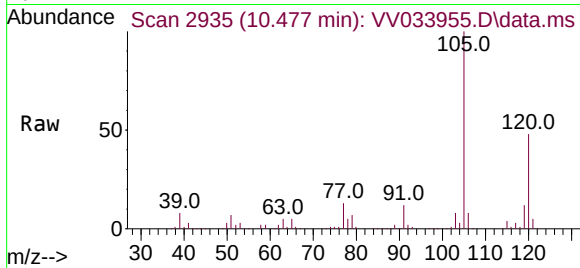




#62
1,3,5-Trimethylbenzene
Concen: 47.409 ug/L
RT: 10.477 min Scan# 2934
Delta R.T. 0.003 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

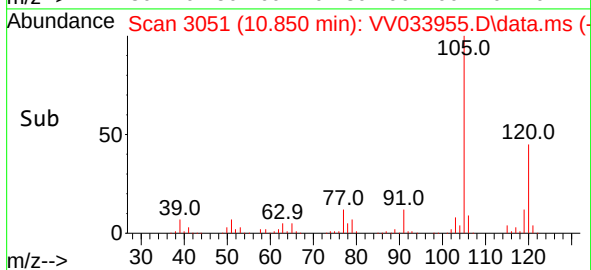
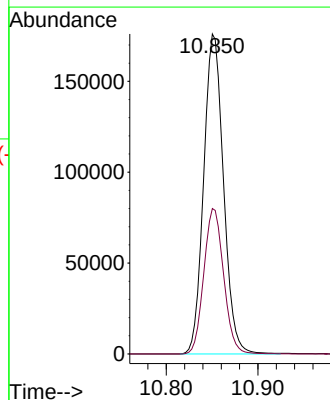
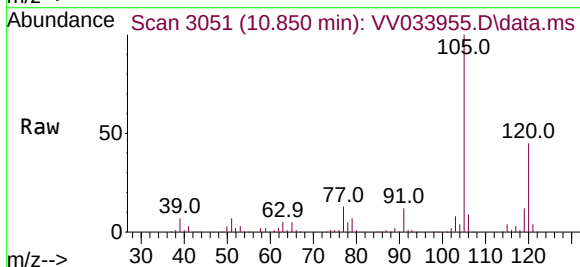
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

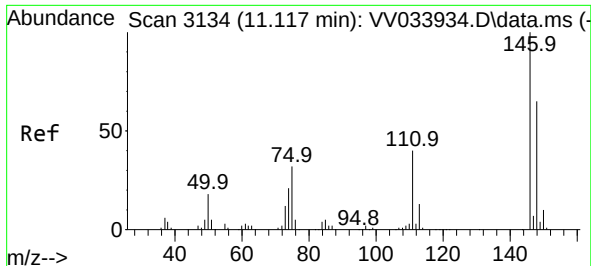
Tgt Ion:105 Resp: 269548
Ion Ratio Lower Upper
105 100
120 47.7 39.1 58.7



#63
1,2,4-Trimethylbenzene
Concen: 46.758 ug/L
RT: 10.850 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

Tgt Ion:105 Resp: 264888
Ion Ratio Lower Upper
105 100
120 45.4 35.4 53.0

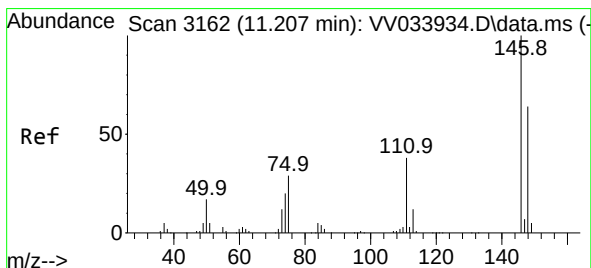
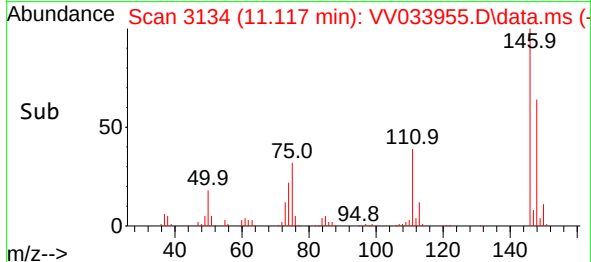
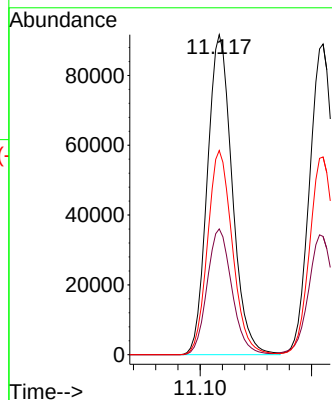
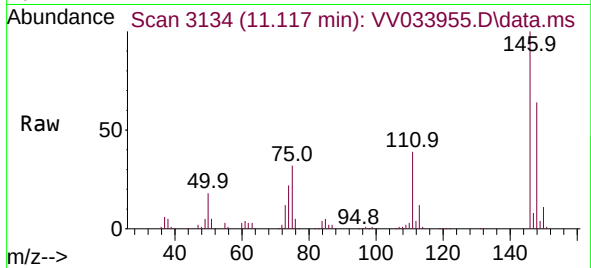




#64
1,3-Dichlorobenzene
Concen: 47.485 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

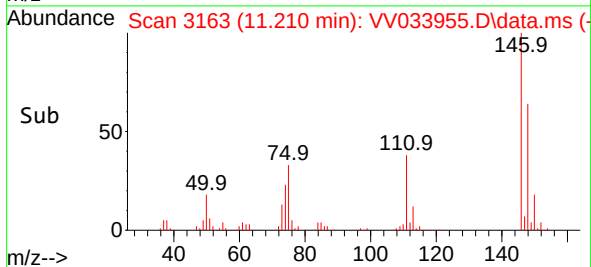
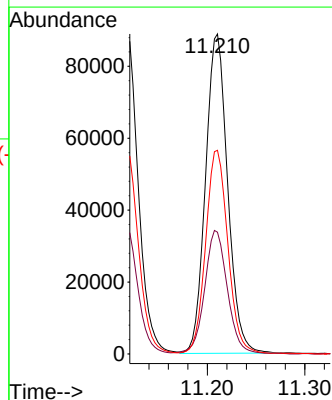
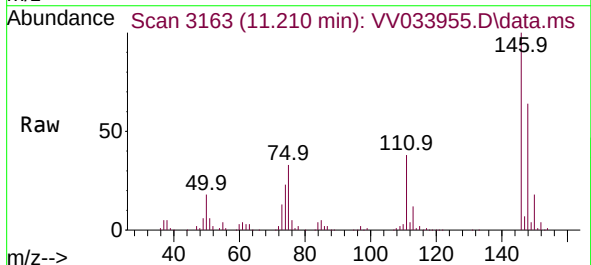
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

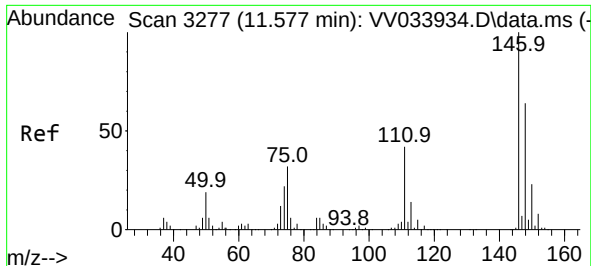
Tgt Ion:	146	Resp:	142133
Ion	Ratio	Lower	Upper
146	100		
111	39.3	29.0	53.8
148	63.8	43.9	81.5



#65
1,4-Dichlorobenzene
Concen: 46.651 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VV033955.D
Acq: 01 Feb 2024 17:51

Tgt Ion:	146	Resp:	140014
Ion	Ratio	Lower	Upper
146	100		
111	38.1	27.7	51.5
148	63.7	44.1	81.9





#67

1,2-Dichlorobenzene

Concen: 47.595 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV033955.D

Acq: 01 Feb 2024 17:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD050393

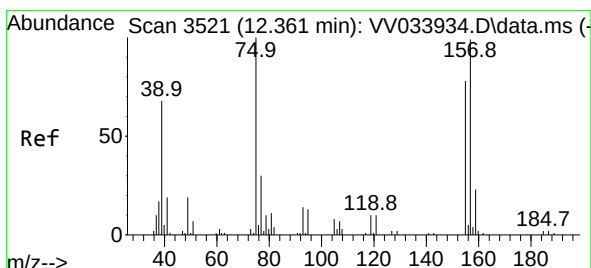
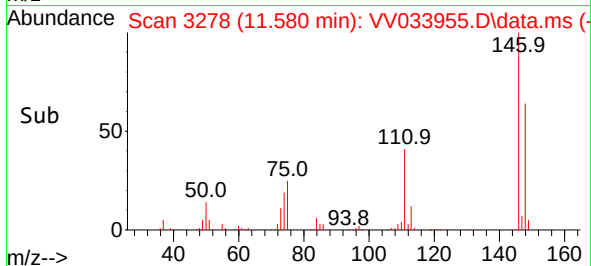
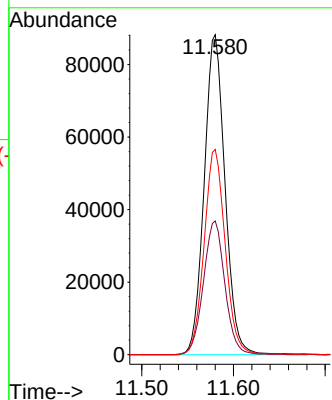
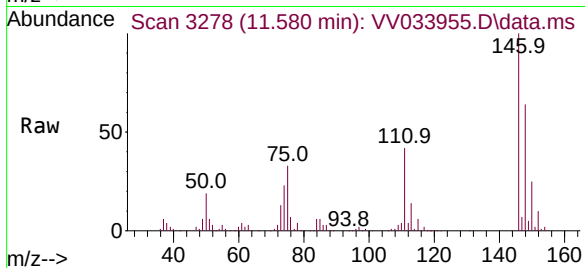
Tgt Ion:146 Resp: 139200

Ion Ratio Lower Upper

146 100

111 41.8 35.4 53.0

148 64.2 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 48.167 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.003 min

Lab File: VV033955.D

Acq: 01 Feb 2024 17:51

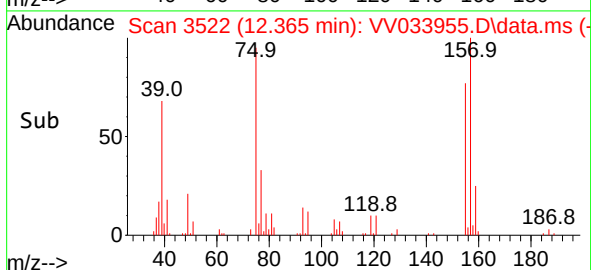
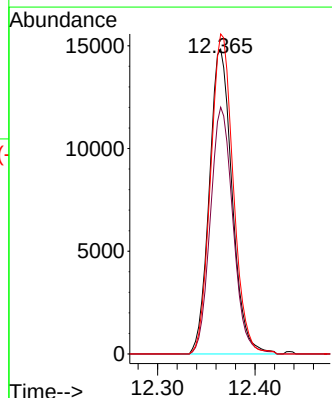
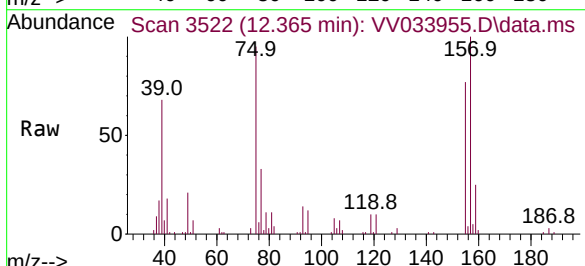
Tgt Ion: 75 Resp: 24160

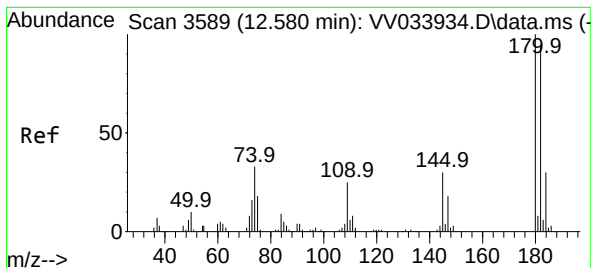
Ion Ratio Lower Upper

75 100

155 80.9 61.6 92.4

157 105.0 79.2 118.8





#69

1,3,5-Trichlorobenzene

Concen: 47.100 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.003 min

Lab File: VV033955.D

Acq: 01 Feb 2024 17:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD050393

Tgt Ion:180 Resp: 104179

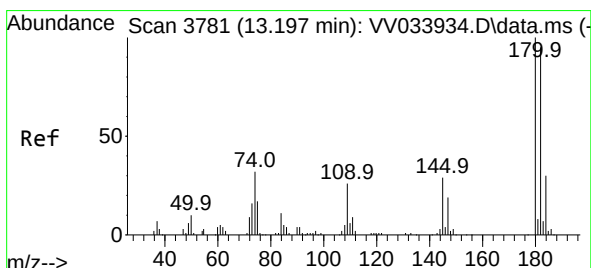
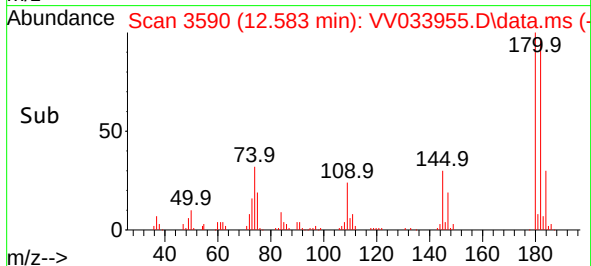
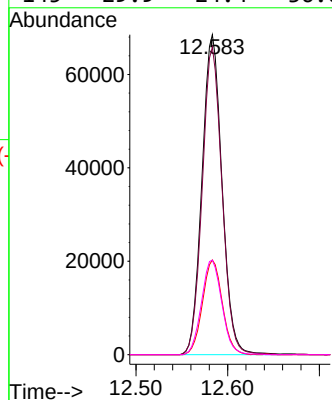
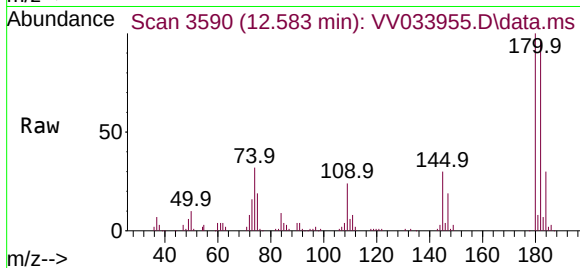
Ion Ratio Lower Upper

180 100

182 94.6 76.2 114.2

184 29.2 23.9 35.9

145 29.9 24.4 36.6



#70

1,2,4-trichlorobenzene

Concen: 46.325 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV033955.D

Acq: 01 Feb 2024 17:51

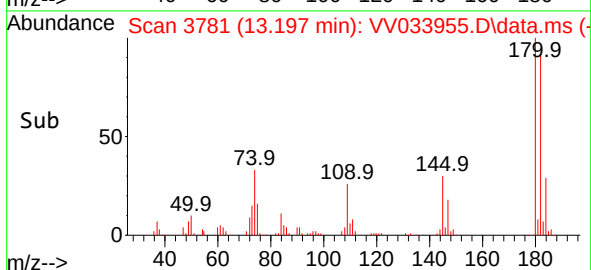
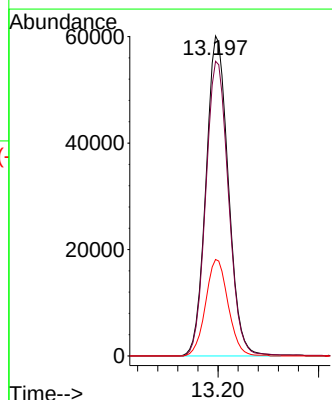
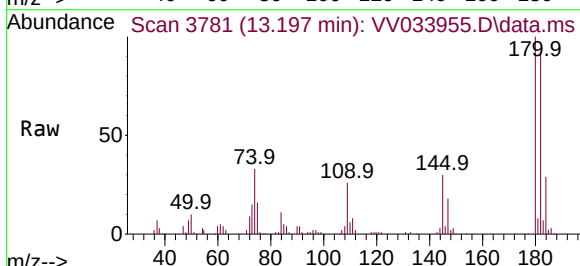
Tgt Ion:180 Resp: 93000

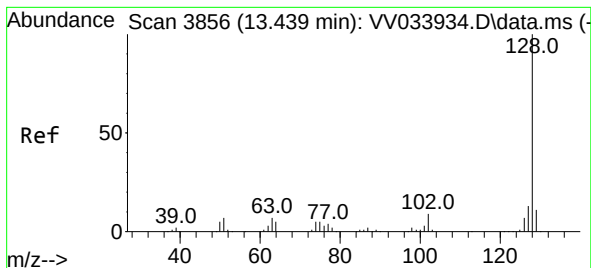
Ion Ratio Lower Upper

180 100

182 93.4 76.3 114.5

145 30.3 25.4 38.0





#71

Naphthalene

Concen: 45.539 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV033955.D

Acq: 01 Feb 2024 17:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD050393

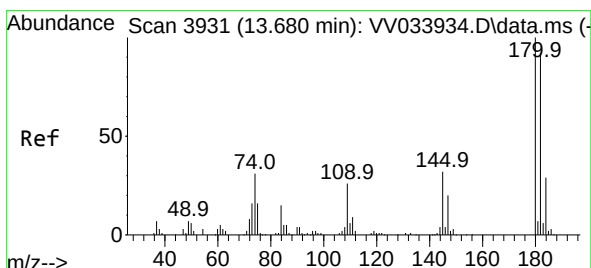
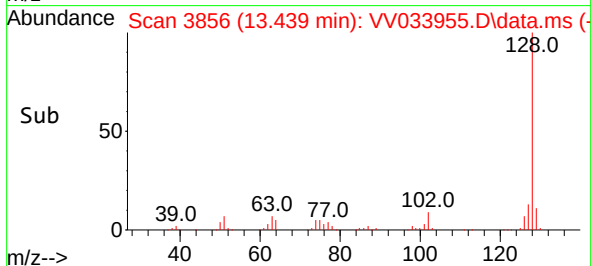
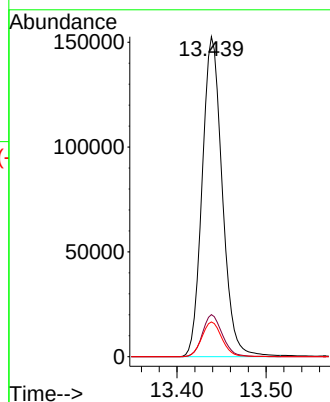
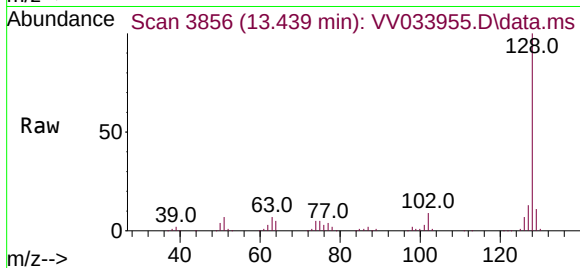
Tgt Ion:128 Resp: 238897

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 48.102 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033955.D

Acq: 01 Feb 2024 17:51

Tgt Ion:180 Resp: 90134

Ion Ratio Lower Upper

180 100

182 96.7 76.0 114.0

145 32.5 26.3 39.5

