

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012523\
 Data File : VW029935.D
 Acq On : 25 Jan 2023 10:22
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005392

Quant Time: Jan 25 22:07:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 25 00:44:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	170976	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	168524	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	104787	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	62441	4.815	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.200%
7) Chloroethane-d5	1.564	69	61048	5.679	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.600%
11) 1,1-Dichloroethene-d2	2.105	63	122601	5.186	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.800%
20) 2-Butanone-d5	3.886	46	157086	68.341	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	136.680%#
24) Chloroform-d	4.333	84	130191	5.473	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.400%
26) 1,2-Dichloroethane-d4	5.021	65	55127	5.472	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.400%
32) Benzene-d6	5.037	84	241532	4.832	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
36) 1,2-Dichloropropane-d6	6.056	67	78027	5.333	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.600%
41) Toluene-d8	7.304	98	208873	4.513	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
43) trans-1,3-Dichloroprop...	7.612	79	22505	4.212	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.200%
46) 2-Hexanone-d5	8.082	63	130287	59.894	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.780%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	63159	5.891	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.800%
66) 1,2-Dichlorobenzene-d4	11.609	152	80173	4.208	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	80894	5.084	ug/L	97
3) Chloromethane	1.240	50	91465	5.462	ug/L	99
5) Vinyl chloride	1.310	62	101217	6.164	ug/L	98
6) Bromomethane	1.519	94	39017	4.880	ug/L	98
8) Chloroethane	1.580	64	64820	6.505	ug/L	98
9) Trichlorofluoromethane	1.751	101	120322	5.594	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	73797	5.824	ug/L	95
12) 1,1-Dichloroethene	2.114	96	72852	4.990	ug/L	91
13) Acetone	2.182	43	106033	64.632	ug/L	95
14) Carbon disulfide	2.288	76	211250	5.026	ug/L	100
15) Methyl Acetate	2.436	43	23303	5.454	ug/L	97
16) Methylene chloride	2.500	84	85134	4.694	ug/L	89
17) Methyl tert-butyl Ether	2.760	73	136916	5.424	ug/L	97
18) trans-1,2-Dichloroethene	2.751	96	73444	5.412	ug/L	91
19) 1,1-Dichloroethane	3.178	63	139043	6.124	ug/L	98
21) 2-Butanone	3.969	43	141419	60.172	ug/L	99
22) cis-1,2-Dichloroethene	3.895	96	75458	5.218	ug/L	95
23) Bromochloromethane	4.233	128	33308	5.577	ug/L	84
25) Chloroform	4.358	83	135472	5.490	ug/L	97

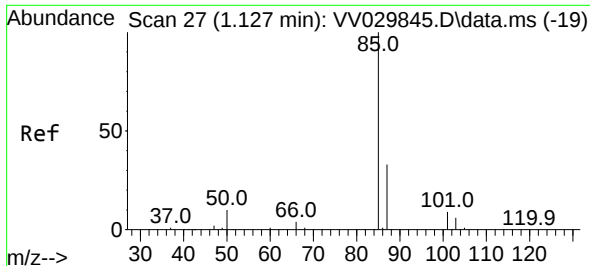
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012523\
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTD005392

Quant Time: Jan 25 22:07:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 25 00:44:28 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.121	62	70319	5.865	ug/L	99
29) 1,1,1-Trichloroethane	4.596	97	115255	5.267	ug/L	96
30) Cyclohexane	4.664	56	108931	5.258	ug/L	95
31) Carbon tetrachloride	4.815	117	96049	5.044	ug/L	99
33) Benzene	5.085	78	307238	5.514	ug/L	100
34) Trichloroethene	5.902	95	74085	5.247	ug/L	98
35) Methylcyclohexane	6.120	83	117542	4.931	ug/L	95
37) 1,2-Dichloropropane	6.162	63	76124	5.834	ug/L	99
38) Bromodichloromethane	6.497	83	92423	5.476	ug/L	97
39) cis-1,3-Dichloropropene	7.018	75	87935	5.025	ug/L	100
40) 4-Methyl-2-pentanone	7.220	43	338346	60.762	ug/L	95
42) Toluene	7.378	91	321487	5.350	ug/L	100
44) trans-1,3-Dichloropropene	7.641	75	69934	4.960	ug/L	97
45) 1,1,2-Trichloroethane	7.828	97	48201	5.127	ug/L	95
47) Tetrachloroethene	7.963	164	58737	4.941	ug/L	98
48) 2-Hexanone	8.133	43	249373	62.655	ug/L	94
49) Dibromochloromethane	8.233	129	55107	4.995	ug/L	100
50) 1,2-Dibromoethane	8.339	107	44632	5.469	ug/L	99
51) Chlorobenzene	8.870	112	203000	5.320	ug/L	99
52) Ethylbenzene	8.998	91	320088	5.089	ug/L	100
53) m,p-Xylene	9.127	106	126204	5.070	ug/L	97
54) o-Xylene	9.532	106	121724	5.152	ug/L	98
55) Styrene	9.548	104	212402	5.227	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.230	83	59327	5.681	ug/L	97
59) Bromoform	9.718	173	28583	4.211	ug/L	98
60) Isopropylbenzene	9.918	105	312295	4.662	ug/L	99
61) 1,2,3-Trichloropropane	10.262	75	39286	5.063	ug/L	98
62) 1,3,5-Trimethylbenzene	10.525	105	253984	4.425	ug/L	100
63) 1,2,4-Trimethylbenzene	10.902	105	255773	4.469	ug/L	100
64) 1,3-Dichlorobenzene	11.169	146	160189	4.710	ug/L	99
65) 1,4-Dichlorobenzene	11.259	146	159576	4.706	ug/L	99
67) 1,2-Dichlorobenzene	11.632	146	145063	4.744	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.413	75	8528	4.648	ug/L	86
69) 1,3,5-Trichlorobenzene	12.631	180	124126	4.534	ug/L	99
70) 1,2,4-trichlorobenzene	13.246	180	94025	4.395	ug/L	99
71) Naphthalene	13.490	128	115170	4.155	ug/L	100
72) 1,2,3-Trichlorobenzene	13.728	180	78601	4.427	ug/L	99

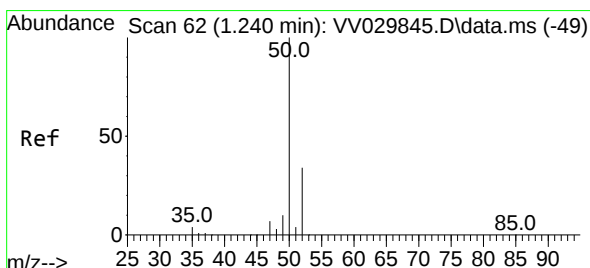
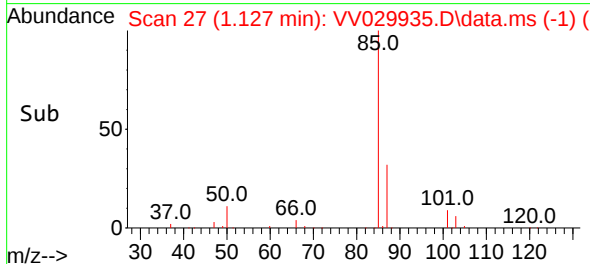
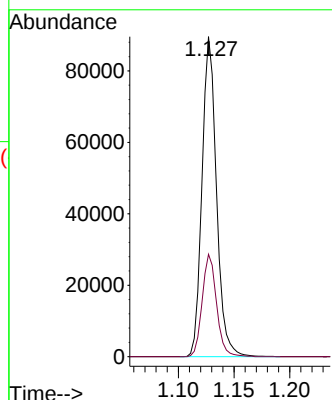
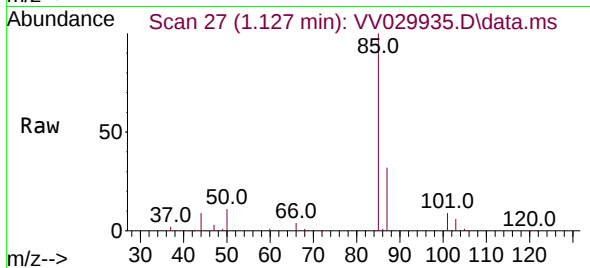
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.084 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029935.D
 Acq: 25 Jan 2023 10:22

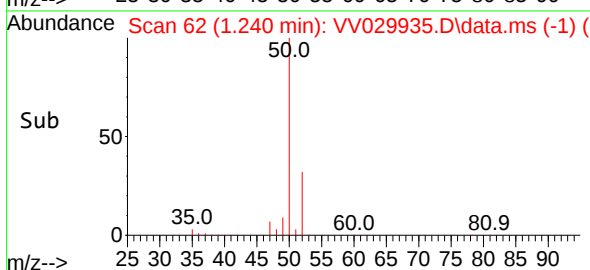
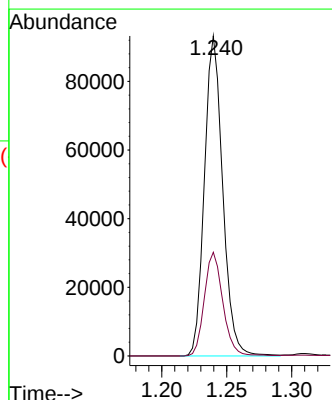
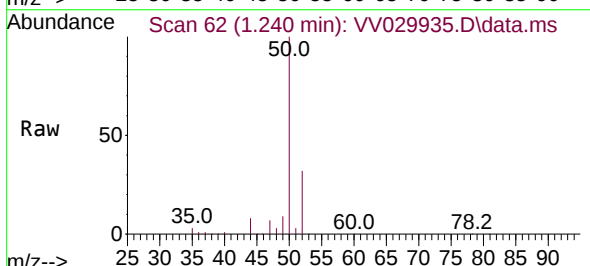
Instrument :
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 ClientSampleId :
 VSTD005392

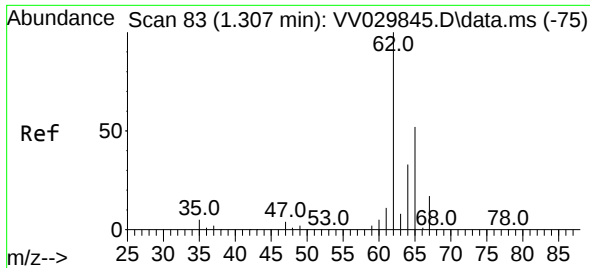
Tgt Ion: 85 Resp: 80894
 Ion Ratio Lower Upper
 85 100
 87 31.6 26.5 39.7



#3
 Chloromethane
 Concen: 5.462 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029935.D
 Acq: 25 Jan 2023 10:22

Tgt Ion: 50 Resp: 91465
 Ion Ratio Lower Upper
 50 100
 52 32.4 23.1 42.9

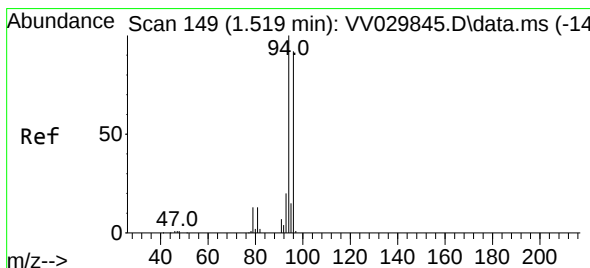
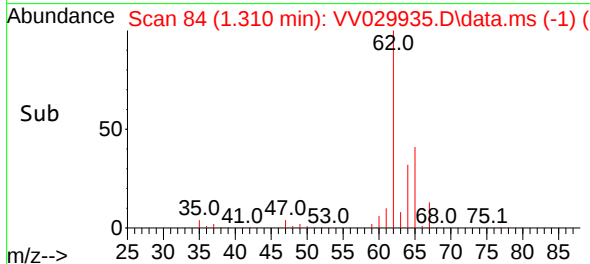
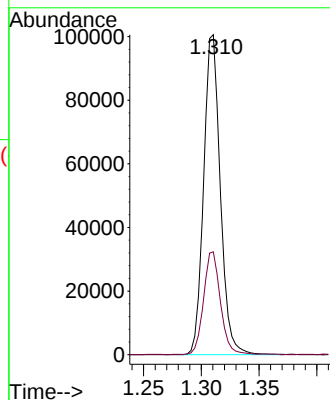
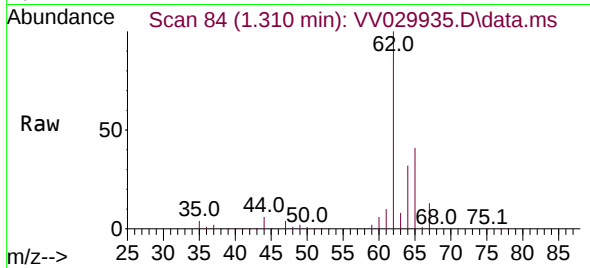




#5
 Vinyl chloride
 Concen: 6.164 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV029935.D
 Acq: 25 Jan 2023 10:22

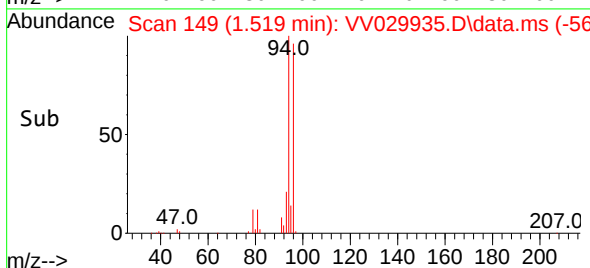
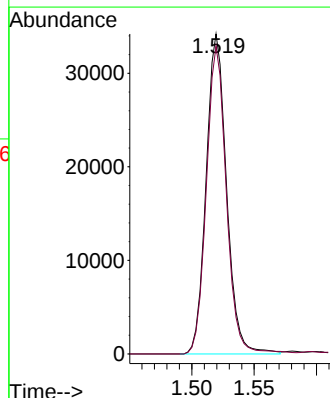
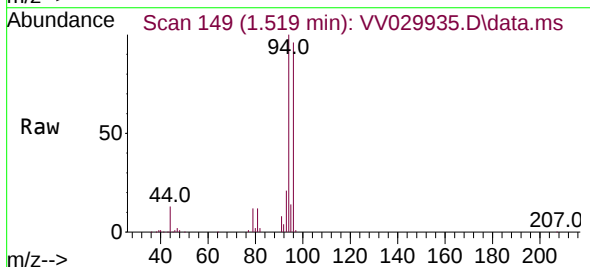
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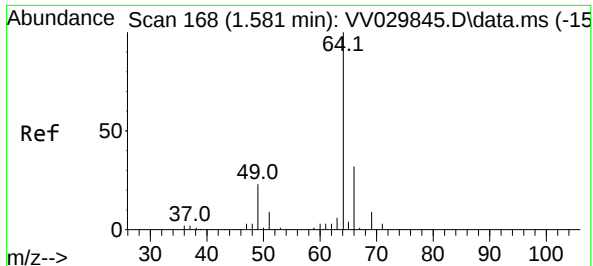
Tgt Ion: 62 Resp: 101217
 Ion Ratio Lower Upper
 62 100
 64 32.2 23.2 43.2



#6
 Bromomethane
 Concen: 4.880 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VV029935.D
 Acq: 25 Jan 2023 10:22

Tgt Ion: 94 Resp: 39017
 Ion Ratio Lower Upper
 94 100
 96 96.1 65.9 122.5

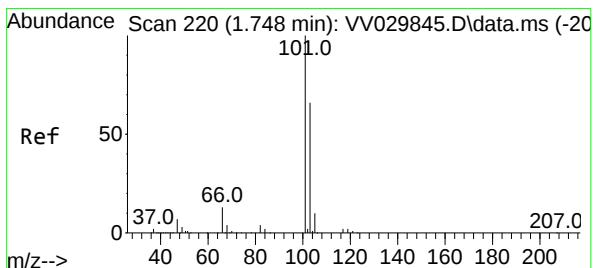
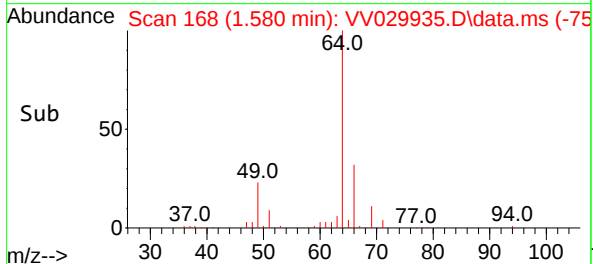
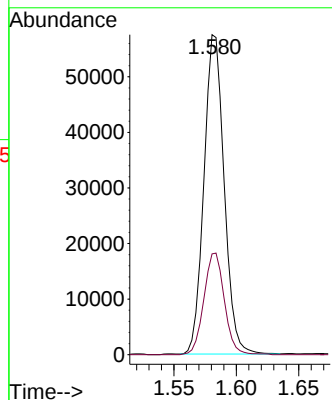
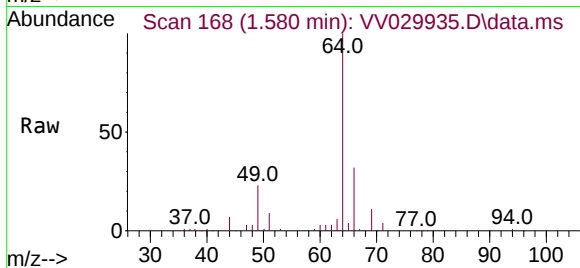




#8
Chloroethane
Concen: 6.505 ug/L
RT: 1.580 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV029935.D
Acq: 25 Jan 2023 10:22

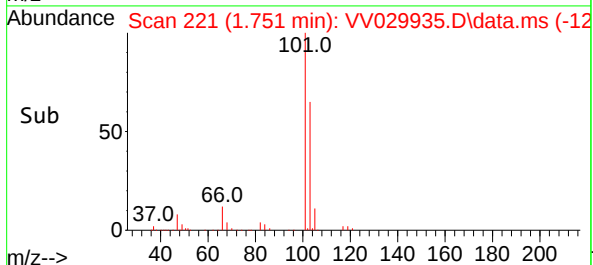
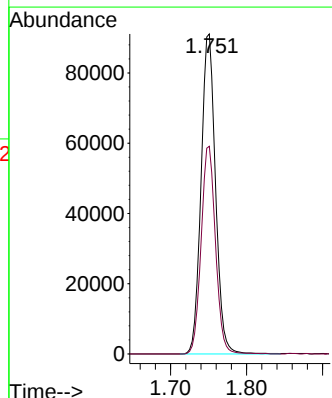
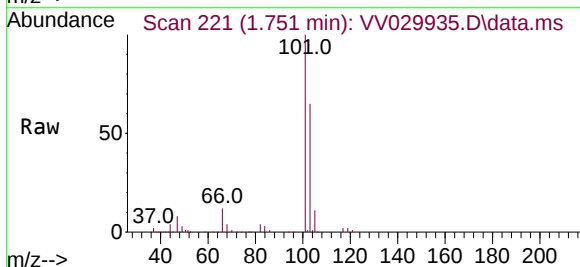
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ClientSampleId :
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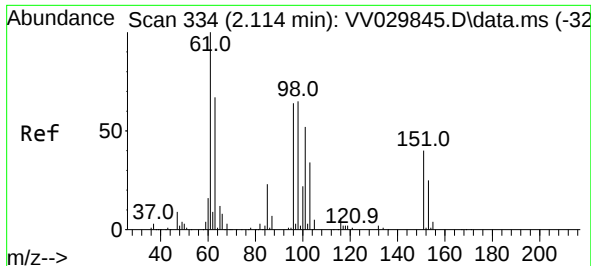
Tgt Ion: 64 Resp: 64820
Ion Ratio Lower Upper
64 100
66 31.5 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.594 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.003 min
Lab File: VV029935.D
Acq: 25 Jan 2023 10:22

Tgt Ion:101 Resp: 120322
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.8

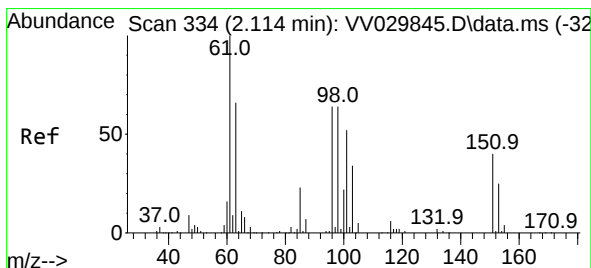
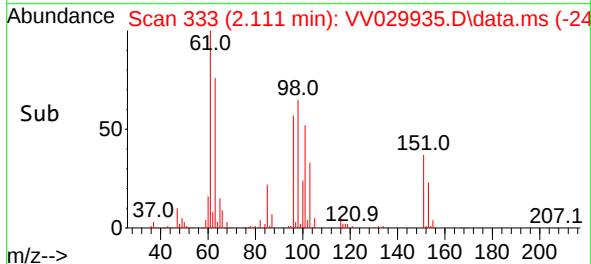
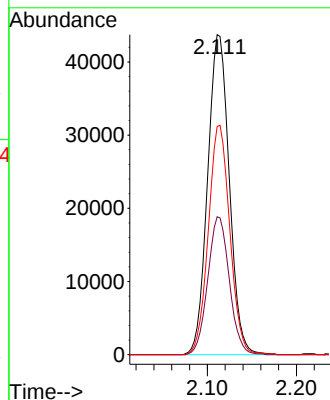
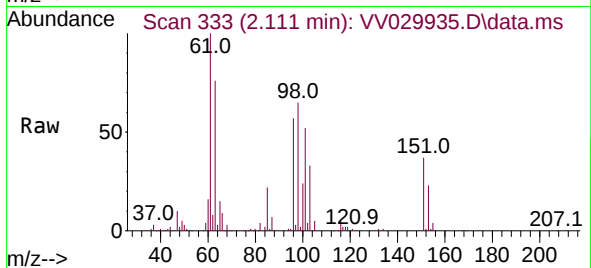




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.824 ug/L
 RT: 2.111 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VV029935.D
 Acq: 25 Jan 2023 10:22

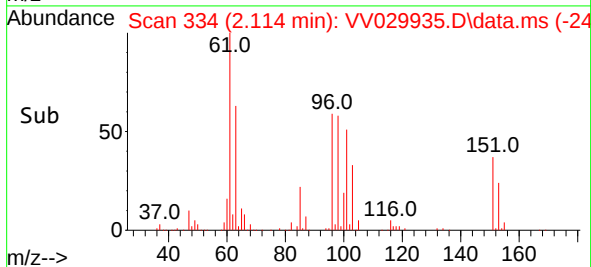
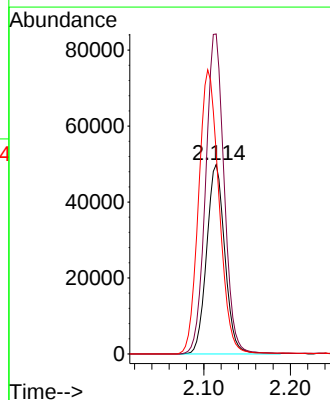
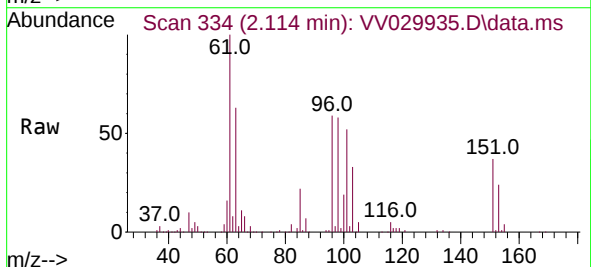
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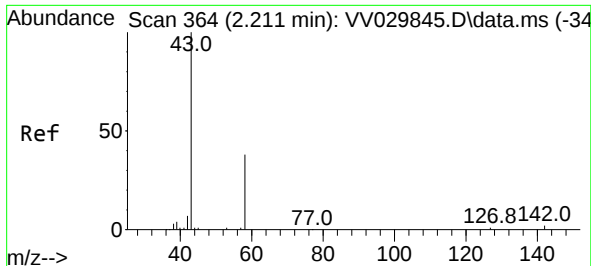
Tgt Ion:101 Resp: 73797
 Ion Ratio Lower Upper
 101 100
 85 42.8 32.9 49.3
 151 71.2 60.9 91.3



#12
 1,1-Dichloroethene
 Concen: 4.990 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.000 min
 Lab File: VV029935.D
 Acq: 25 Jan 2023 10:22

Tgt Ion: 96 Resp: 72852
 Ion Ratio Lower Upper
 96 100
 61 169.0 106.1 197.1
 63 106.4 76.4 141.8





#13

Acetone

Concen: 64.632 ug/L

RT: 2.182 min Scan# 3

Delta R.T. 0.006 min

Lab File: VV029935.D

Acq: 25 Jan 2023 10:22

Instrument :

MSVOA_V

ClientSampleId :

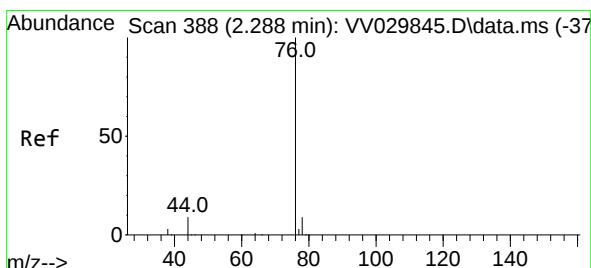
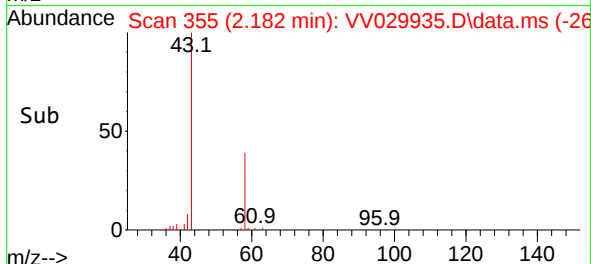
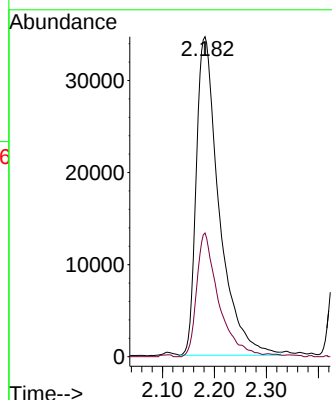
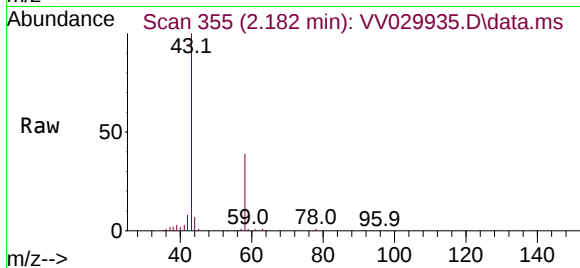
VSTD005392

Tgt Ion: 43 Resp: 106033

Ion Ratio Lower Upper

43 100

58 37.0 0.0 68.8



#14

Carbon disulfide

Concen: 5.026 ug/L

RT: 2.288 min Scan# 388

Delta R.T. -0.000 min

Lab File: VV029935.D

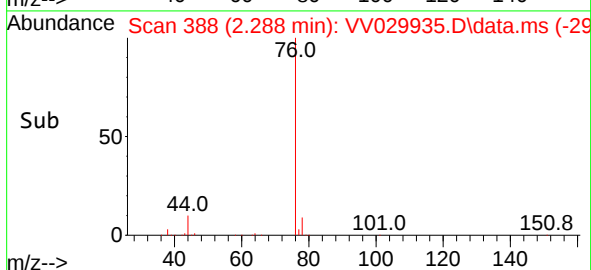
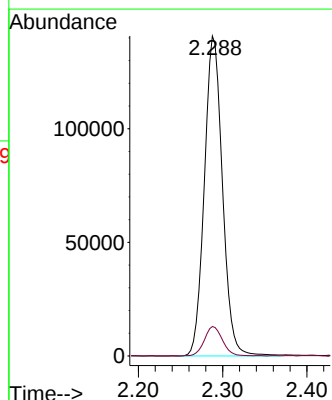
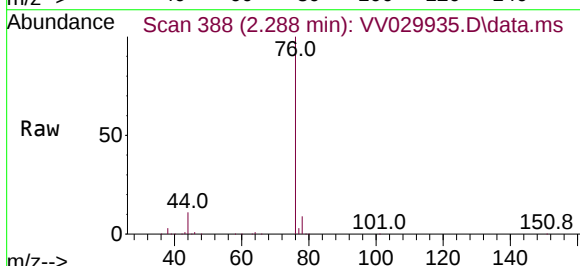
Acq: 25 Jan 2023 10:22

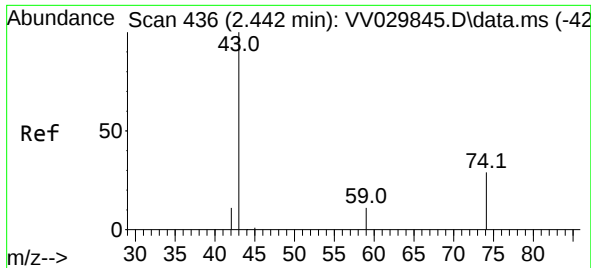
Tgt Ion: 76 Resp: 211250

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

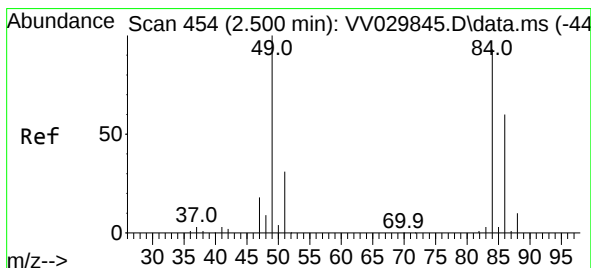
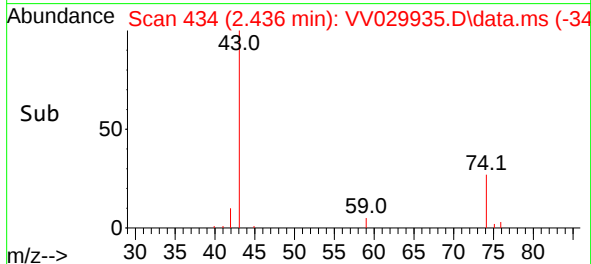
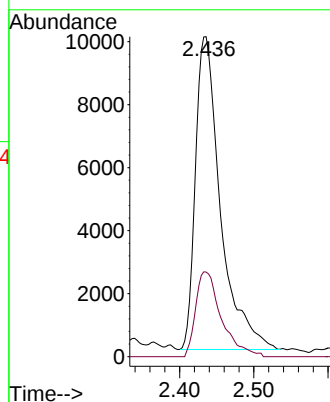
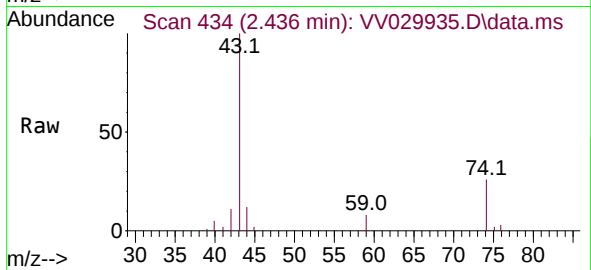




#15
Methyl Acetate
Concen: 5.454 ug/L
RT: 2.436 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV029935.D
Acq: 25 Jan 2023 10:22

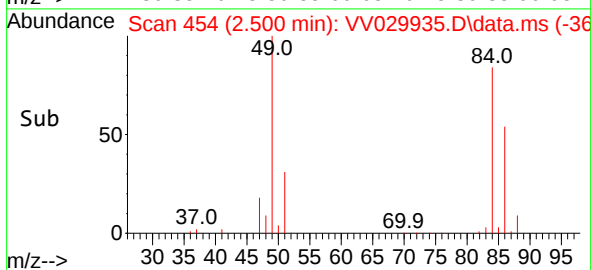
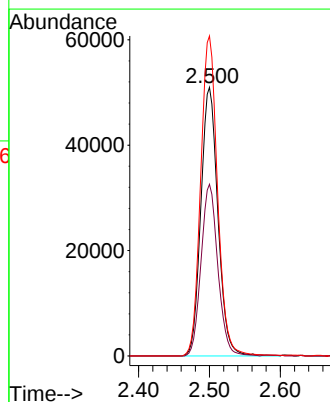
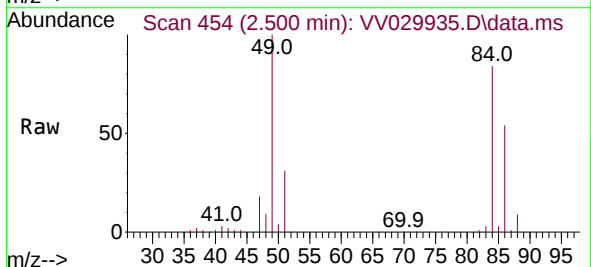
Instrument :
MSVOA_V
ClientSampleId :
VSTD005392

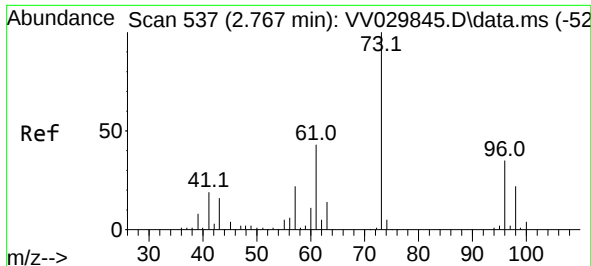
Tgt Ion: 43 Resp: 23303
Ion Ratio Lower Upper
43 100
74 27.7 23.4 35.0



#16
Methylene chloride
Concen: 4.694 ug/L
RT: 2.500 min Scan# 454
Delta R.T. 0.003 min
Lab File: VV029935.D
Acq: 25 Jan 2023 10:22

Tgt Ion: 84 Resp: 85134
Ion Ratio Lower Upper
84 100
86 63.9 45.0 83.6
49 119.1 71.5 132.7

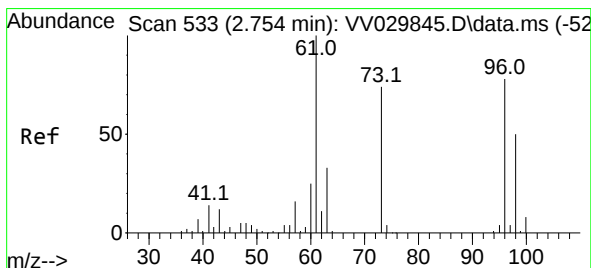
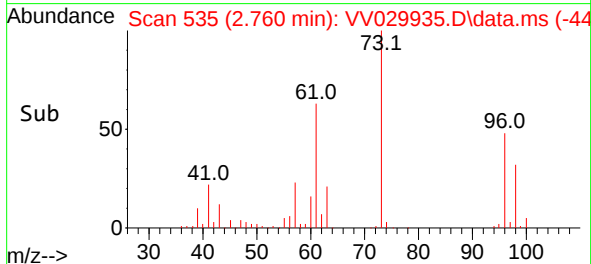
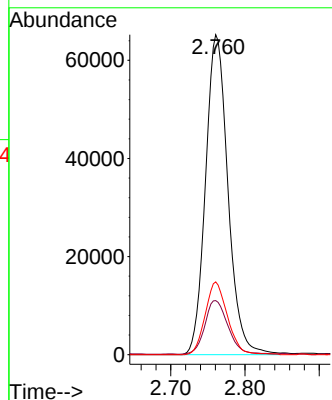
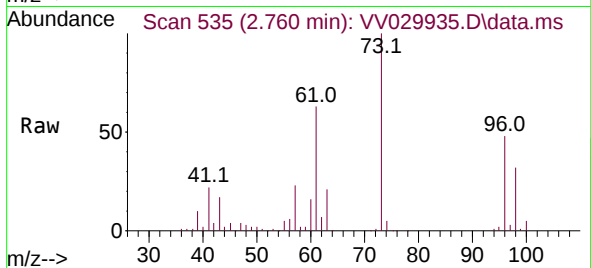




#17
Methyl tert-butyl Ether
Concen: 5.424 ug/L
RT: 2.760 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV029935.D
Acq: 25 Jan 2023 10:22

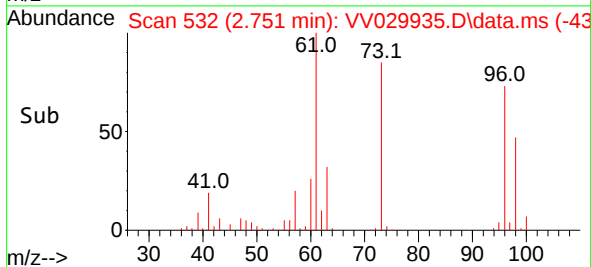
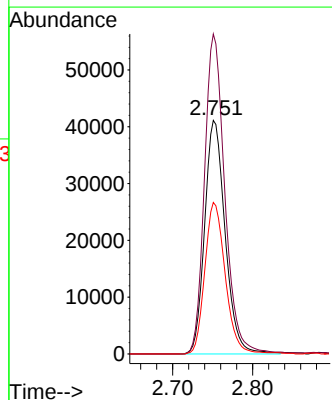
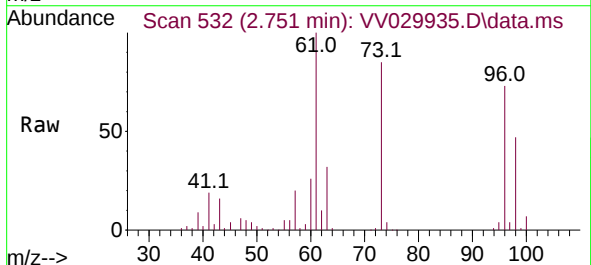
Instrument :
MSVOA_V
ClientSampleId :
VSTD005392

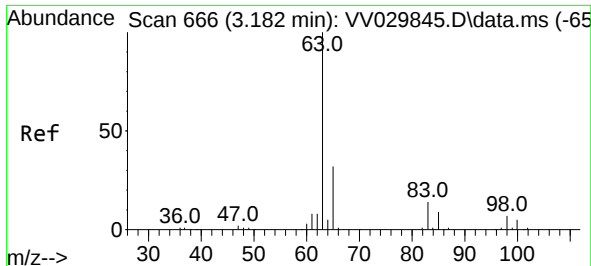
Tgt Ion: 73 Resp: 136916
Ion Ratio Lower Upper
73 100
43 17.2 13.0 19.4
57 22.6 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 5.412 ug/L
RT: 2.751 min Scan# 532
Delta R.T. -0.000 min
Lab File: VV029935.D
Acq: 25 Jan 2023 10:22

Tgt Ion: 96 Resp: 73444
Ion Ratio Lower Upper
96 100
61 136.9 86.1 159.9
98 64.8 43.9 81.5





#19

1,1-Dichloroethane

Concen: 6.124 ug/L

RT: 3.178 min Scan# 6

Delta R.T. -0.000 min

Lab File: VV029935.D

Acq: 25 Jan 2023 10:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD005392

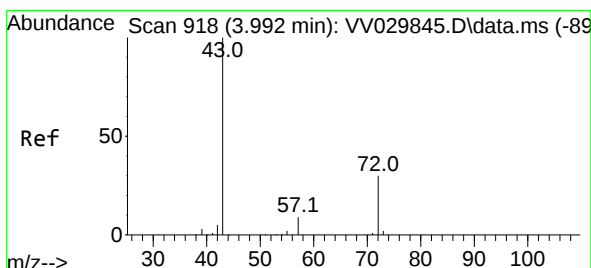
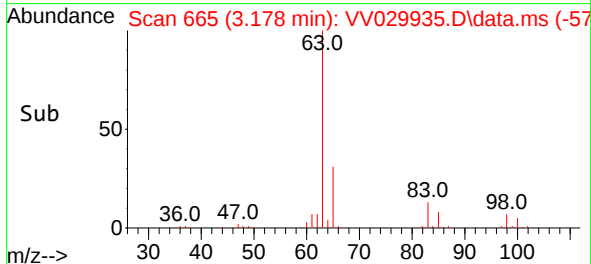
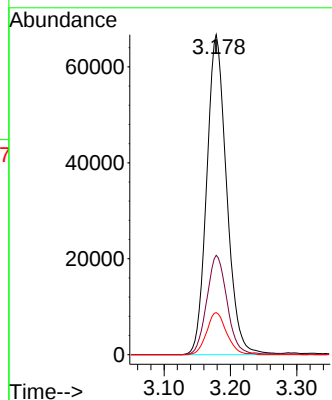
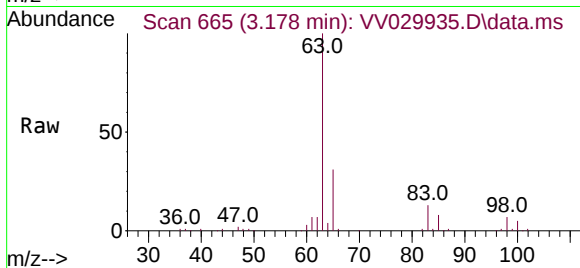
Tgt Ion: 63 Resp: 139043

Ion Ratio Lower Upper

63 100

65 31.0 22.4 41.6

83 13.2 10.2 19.0



#21

2-Butanone

Concen: 60.172 ug/L

RT: 3.969 min Scan# 911

Delta R.T. 0.003 min

Lab File: VV029935.D

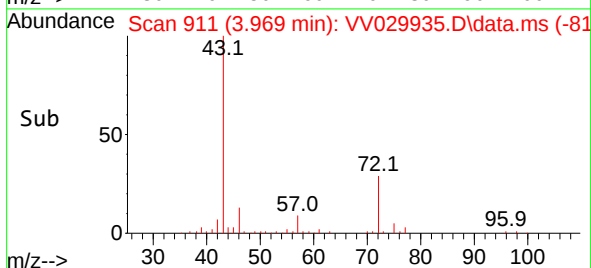
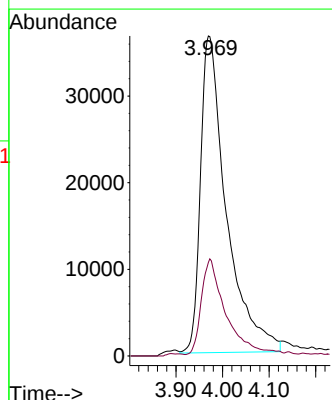
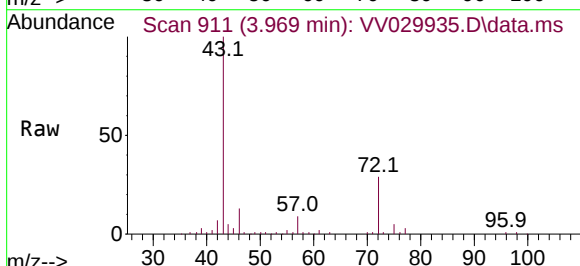
Acq: 25 Jan 2023 10:22

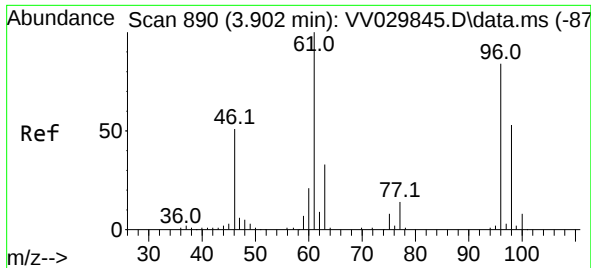
Tgt Ion: 43 Resp: 141419

Ion Ratio Lower Upper

43 100

72 28.2 13.9 41.6

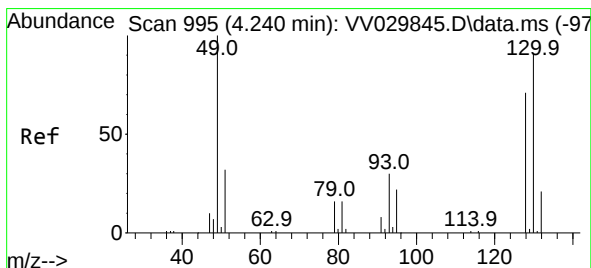
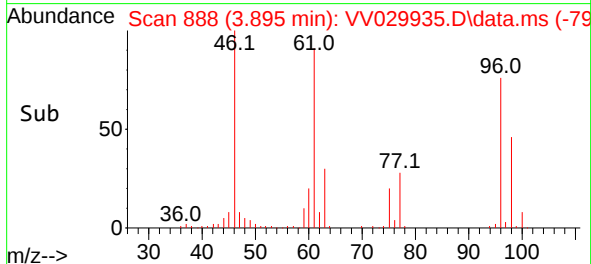
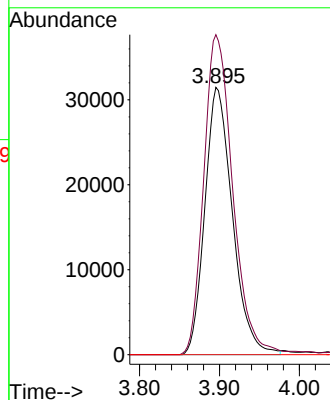
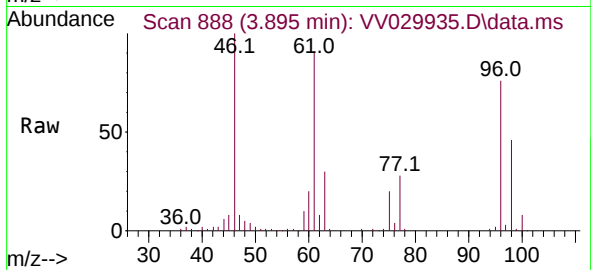




#22
 cis-1,2-Dichloroethene
 Concen: 5.218 ug/L
 RT: 3.895 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VV029935.D
 Acq: 25 Jan 2023 10:22

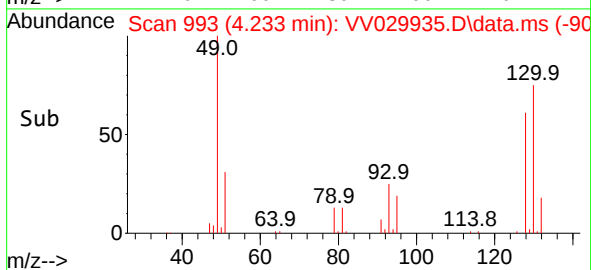
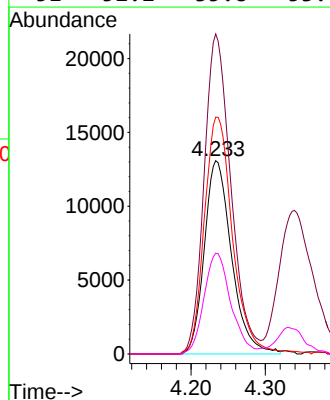
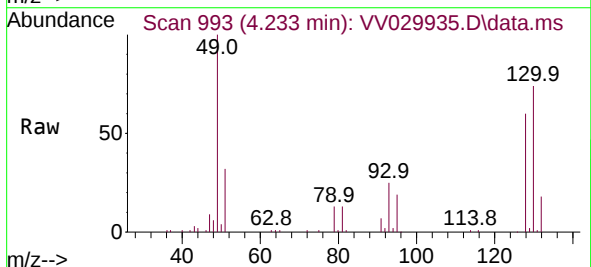
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005392

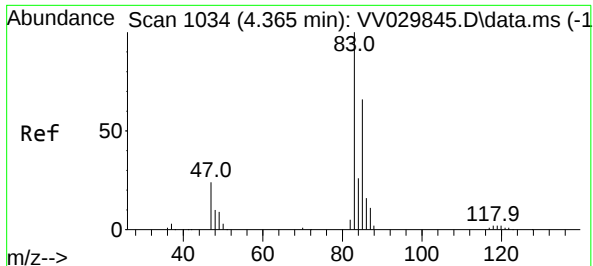
Tgt Ion: 96 Resp: 75458
 Ion Ratio Lower Upper
 96 100
 61 119.7 80.0 148.6
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.577 ug/L
 RT: 4.233 min Scan# 993
 Delta R.T. -0.000 min
 Lab File: VV029935.D
 Acq: 25 Jan 2023 10:22

Tgt Ion: 128 Resp: 33308
 Ion Ratio Lower Upper
 128 100
 49 165.6 91.2 169.4
 130 122.6 87.0 161.6
 51 52.2 35.8 53.6





#25

Chloroform

Concen: 5.490 ug/L

RT: 4.358 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV029935.D

Acq: 25 Jan 2023 10:22

Instrument :

MSVOA_V

ClientSampleId :

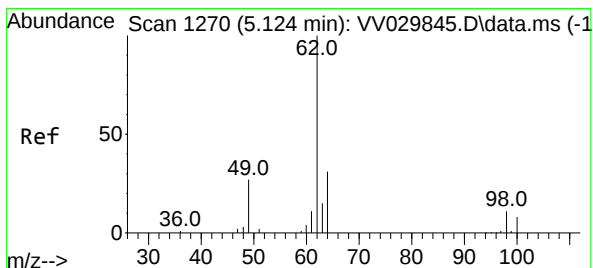
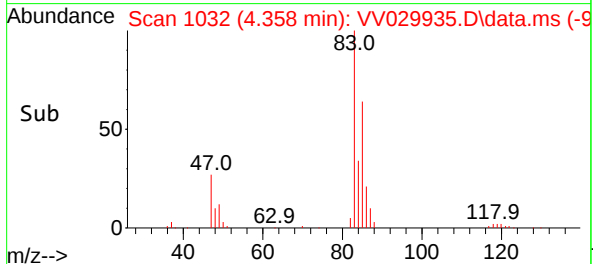
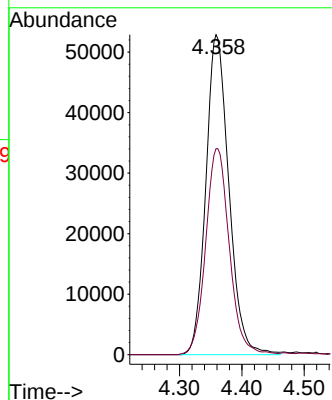
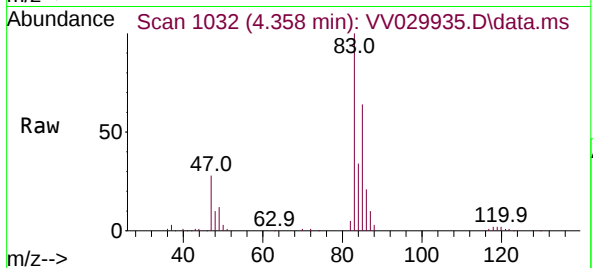
VSTD005392

Tgt Ion: 83 Resp: 135472

Ion Ratio Lower Upper

83 100

85 64.4 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.865 ug/L

RT: 5.121 min Scan# 1269

Delta R.T. 0.003 min

Lab File: VV029935.D

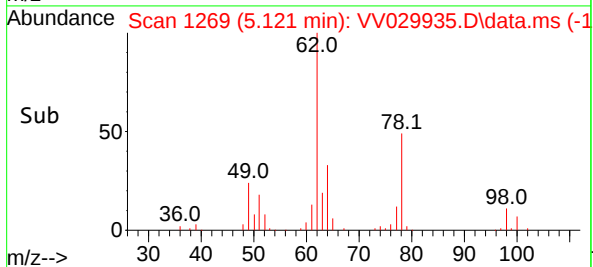
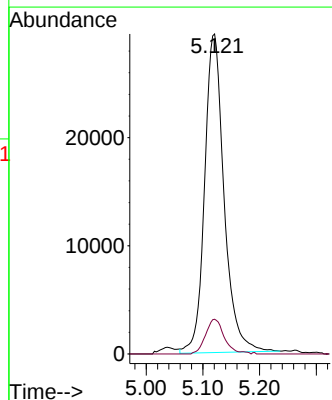
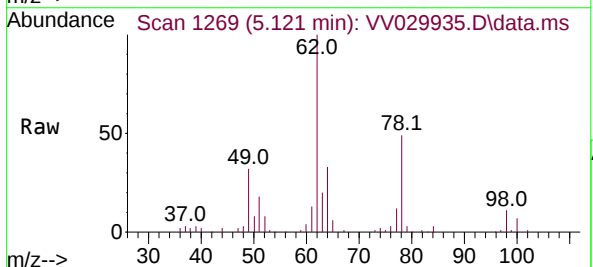
Acq: 25 Jan 2023 10:22

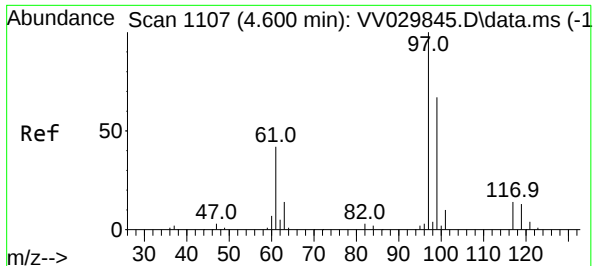
Tgt Ion: 62 Resp: 70319

Ion Ratio Lower Upper

62 100

98 10.8 8.9 13.3





#29

1,1,1-Trichloroethane

Concen: 5.267 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. 0.003 min

Lab File: VV029935.D

Acq: 25 Jan 2023 10:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD005392

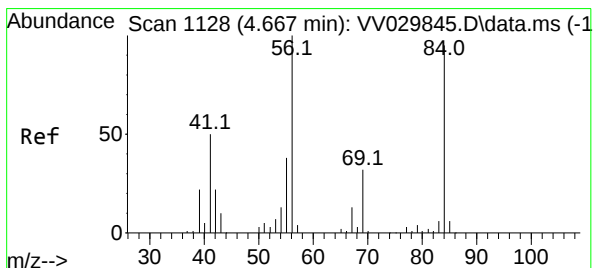
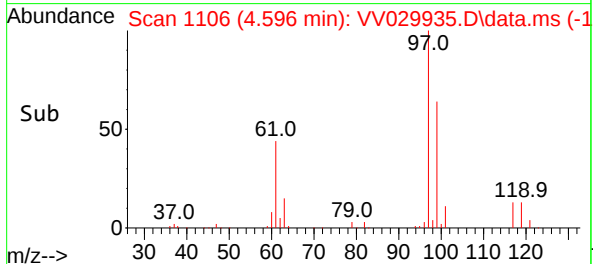
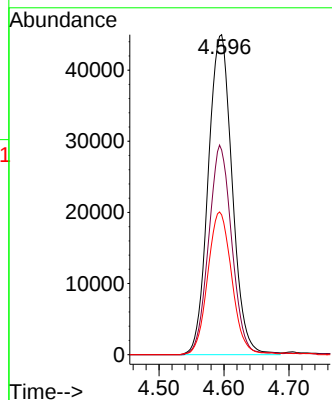
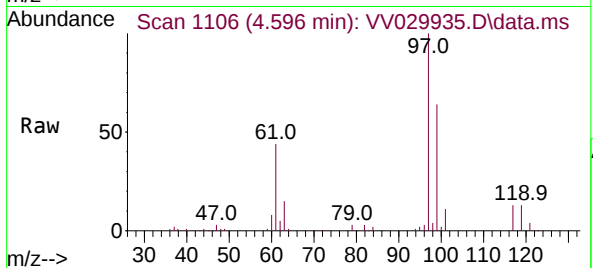
Tgt Ion: 97 Resp: 115255

Ion Ratio Lower Upper

97 100

99 63.1 51.3 76.9

61 44.9 31.6 47.4



#30

Cyclohexane

Concen: 5.258 ug/L

RT: 4.664 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VV029935.D

Acq: 25 Jan 2023 10:22

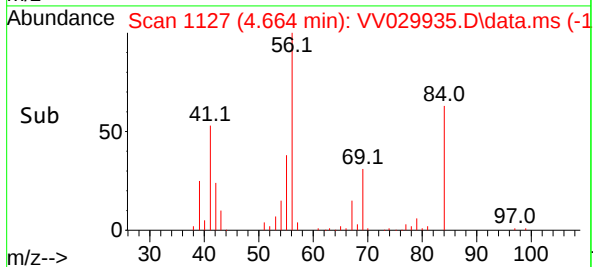
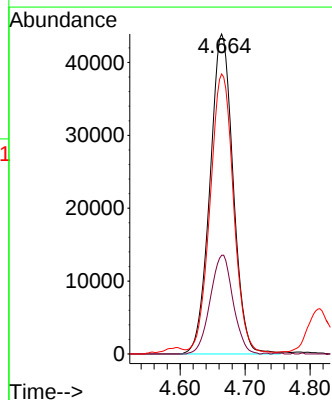
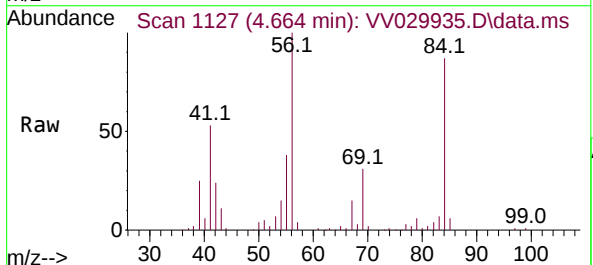
Tgt Ion: 56 Resp: 108931

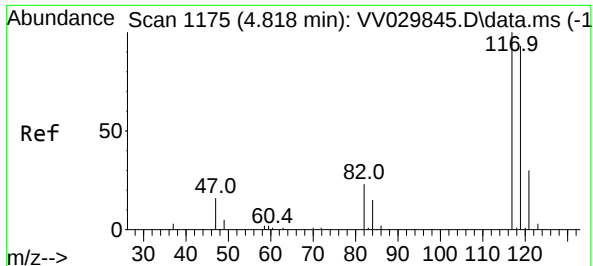
Ion Ratio Lower Upper

56 100

69 30.4 26.7 40.1

84 87.7 73.8 110.8

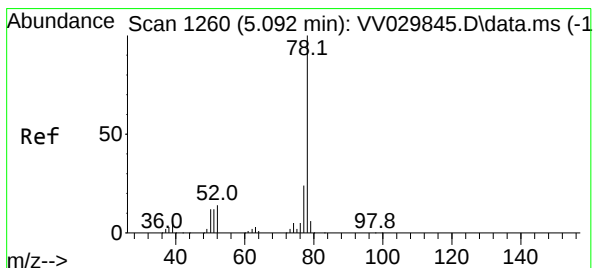
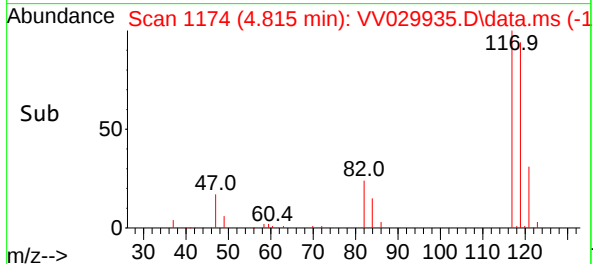
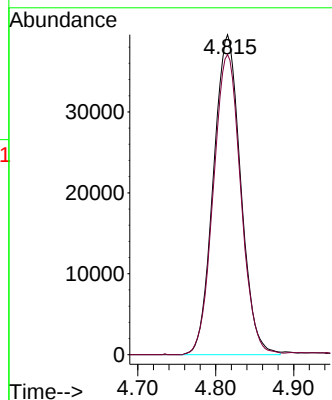
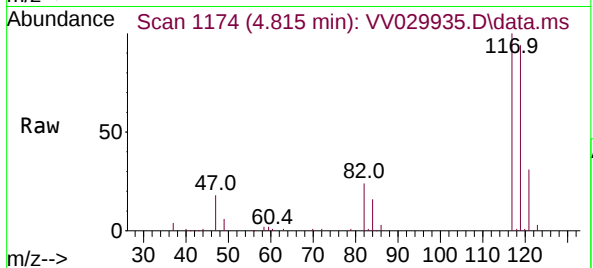




#31
Carbon tetrachloride
Concen: 5.044 ug/L
RT: 4.815 min Scan# 1175
Delta R.T. -0.000 min
Lab File: VV029935.D
Acq: 25 Jan 2023 10:22

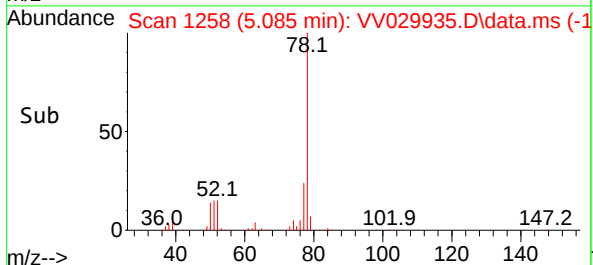
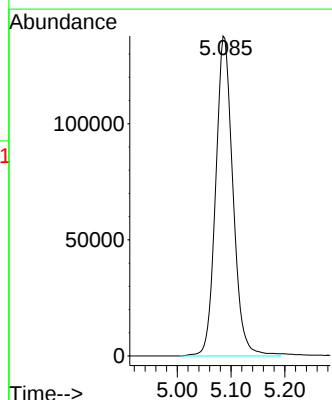
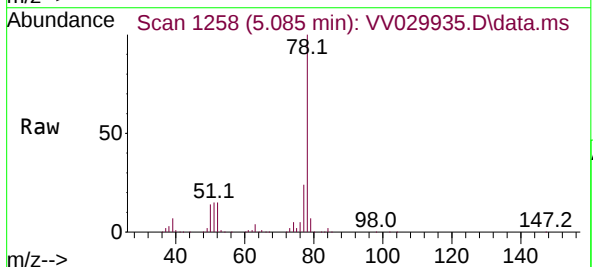
Instrument :
MSVOA_V
ClientSampleId :
VSTD005392

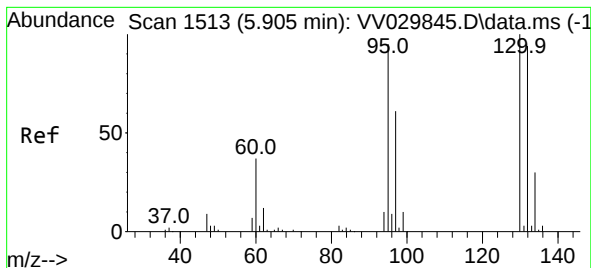
Tgt Ion:117 Resp: 96049
Ion Ratio Lower Upper
117 100
119 94.5 76.6 114.8



#33
Benzene
Concen: 5.514 ug/L
RT: 5.085 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VV029935.D
Acq: 25 Jan 2023 10:22

Tgt Ion: 78 Resp: 307238





#34

Trichloroethene

Concen: 5.247 ug/L

RT: 5.902 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV029935.D

Acq: 25 Jan 2023 10:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD005392

Tgt Ion: 95 Resp: 74085

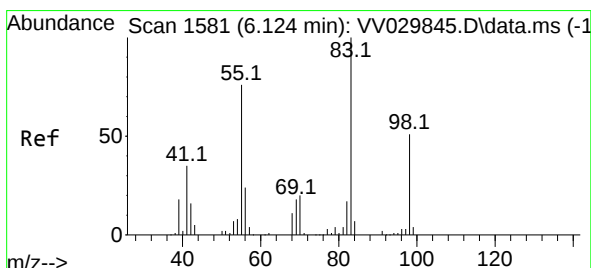
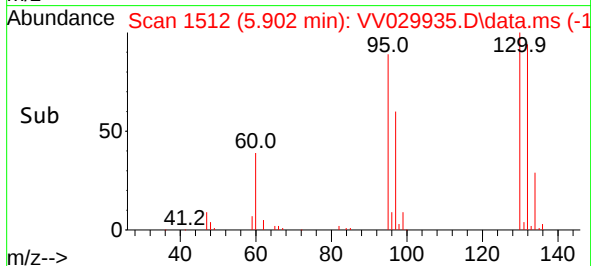
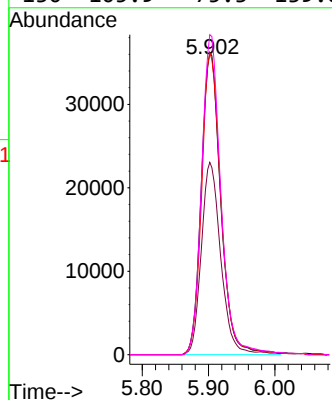
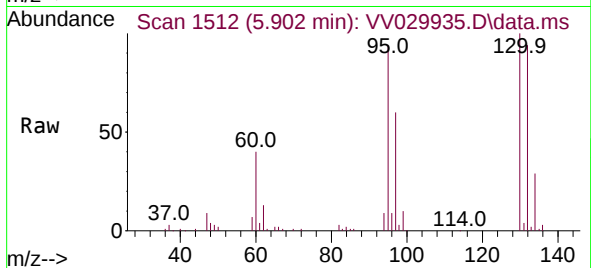
Ion Ratio Lower Upper

95 100

97 63.6 44.9 83.3

132 99.9 71.8 133.4

130 105.9 75.3 139.8



#35

Methylcyclohexane

Concen: 4.931 ug/L

RT: 6.120 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VV029935.D

Acq: 25 Jan 2023 10:22

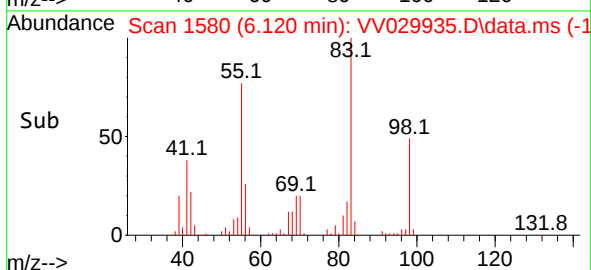
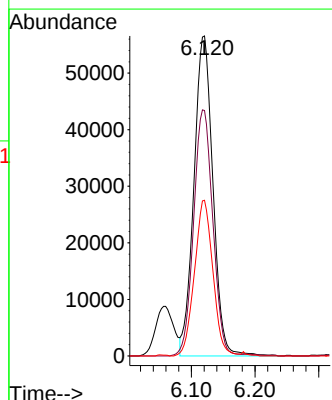
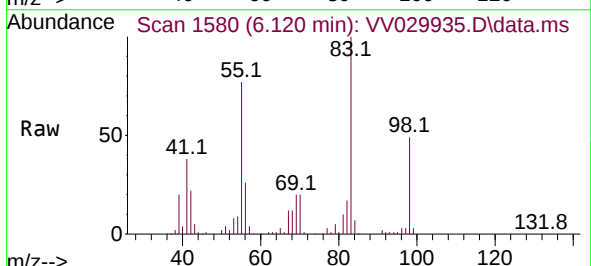
Tgt Ion: 83 Resp: 117542

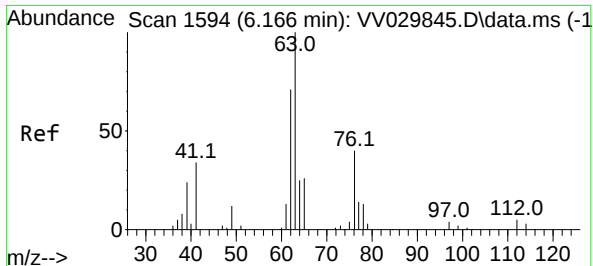
Ion Ratio Lower Upper

83 100

55 77.6 57.3 85.9

98 47.1 39.0 58.6





#37

1,2-Dichloropropane

Concen: 5.834 ug/L

RT: 6.162 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV029935.D

Acq: 25 Jan 2023 10:22

Instrument :

MSVOA_V

ClientSampleId :

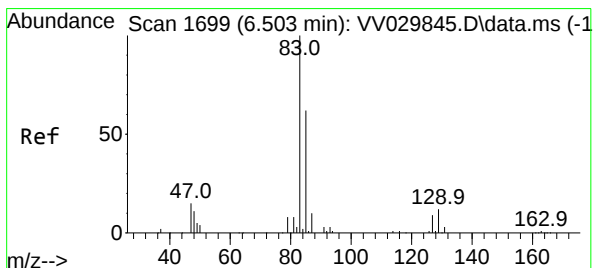
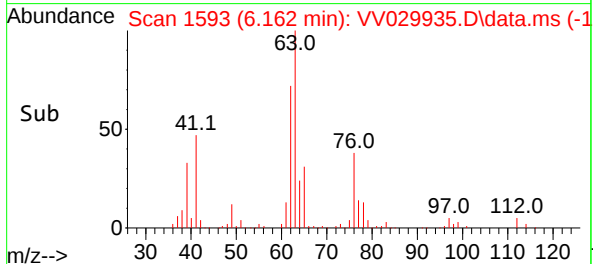
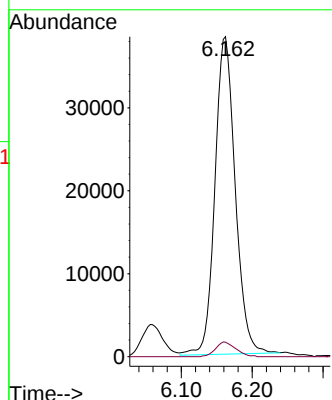
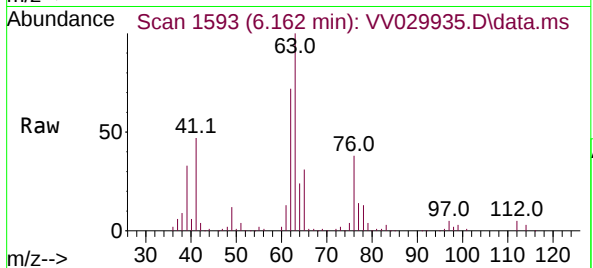
VSTD005392

Tgt Ion: 63 Resp: 76124

Ion Ratio Lower Upper

63 100

112 4.6 3.9 5.9



#38

Bromodichloromethane

Concen: 5.476 ug/L

RT: 6.497 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VV029935.D

Acq: 25 Jan 2023 10:22

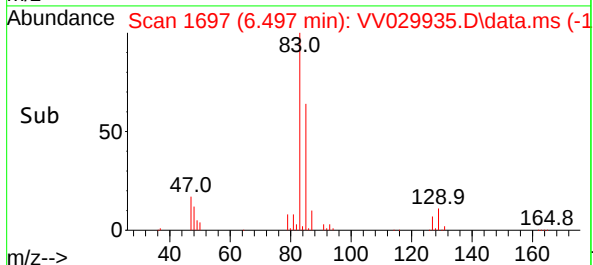
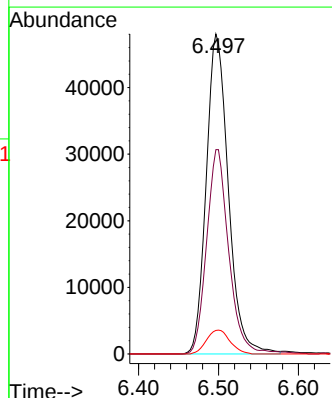
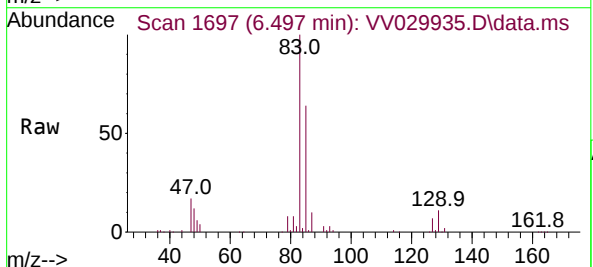
Tgt Ion: 83 Resp: 92423

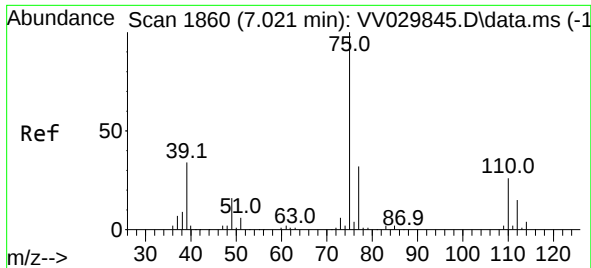
Ion Ratio Lower Upper

83 100

85 63.9 43.2 80.2

127 7.3 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 5.025 ug/L

RT: 7.018 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV029935.D

Acq: 25 Jan 2023 10:22

Instrument :

MSVOA_V

ClientSampleId :

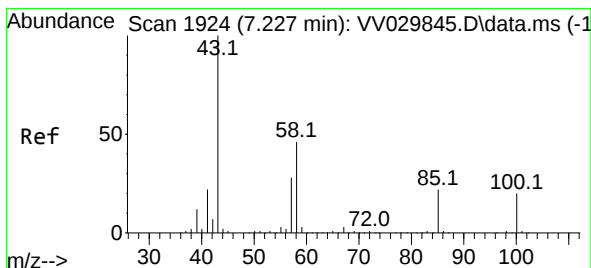
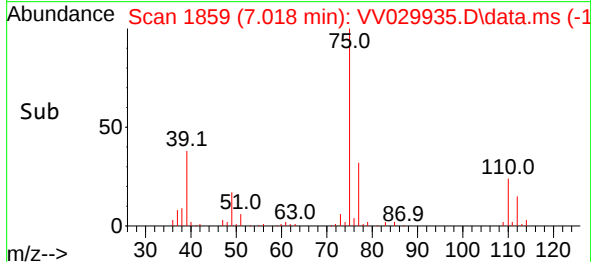
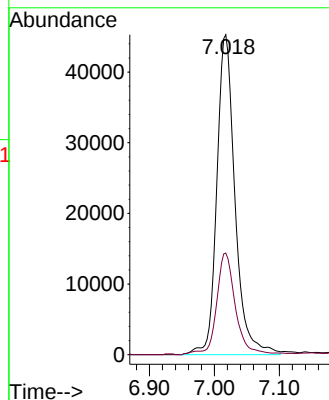
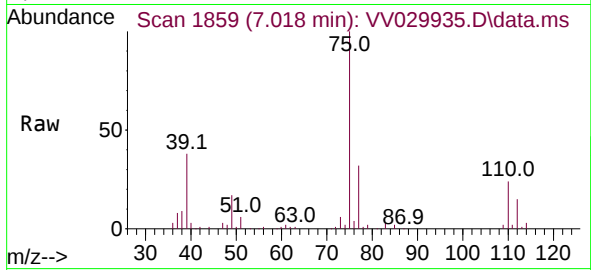
VSTD005392

Tgt Ion: 75 Resp: 87935

Ion Ratio Lower Upper

75 100

77 31.7 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 60.762 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.000 min

Lab File: VV029935.D

Acq: 25 Jan 2023 10:22

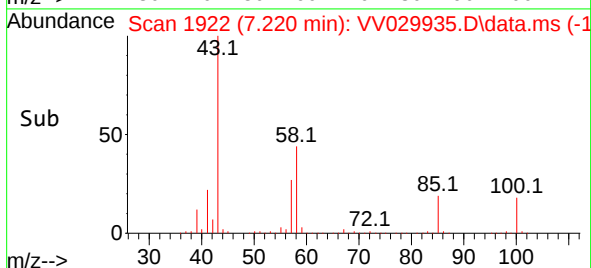
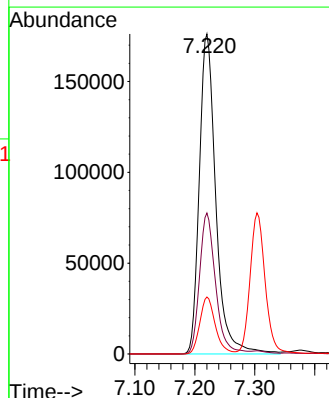
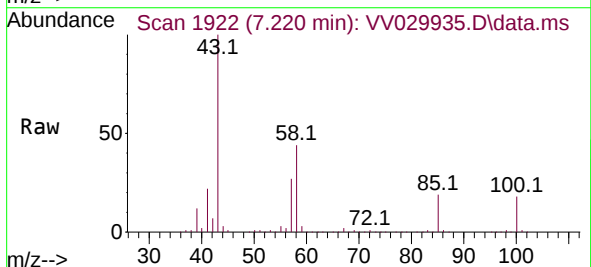
Tgt Ion: 43 Resp: 338346

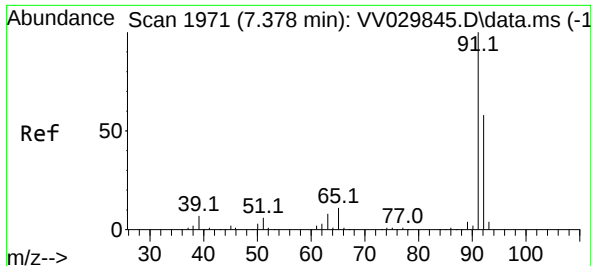
Ion Ratio Lower Upper

43 100

58 42.7 36.7 55.1

100 16.6 15.6 23.4





#42

Toluene

Concen: 5.350 ug/L

RT: 7.378 min Scan# 1971

Delta R.T. 0.003 min

Lab File: VV029935.D

Acq: 25 Jan 2023 10:22

Instrument :

MSVOA_V

ClientSampleId :

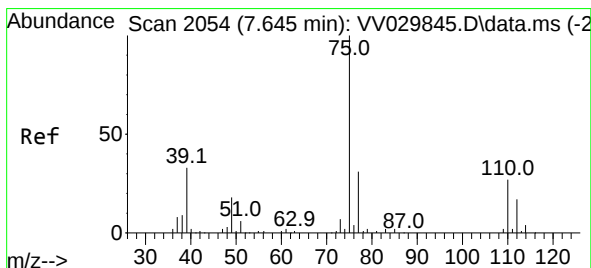
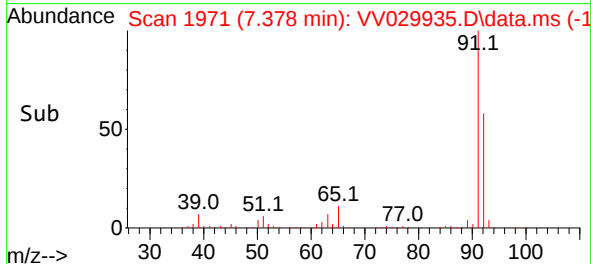
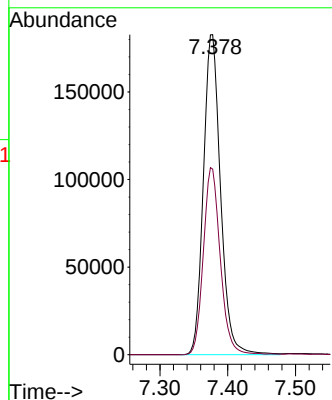
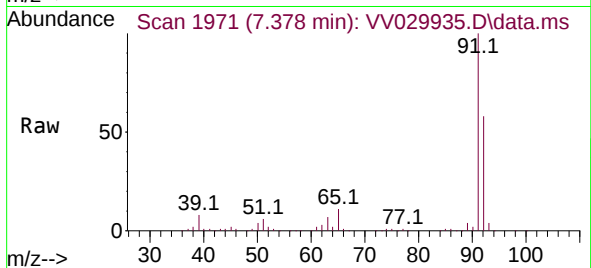
VSTD005392

Tgt Ion: 91 Resp: 321487

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 4.960 ug/L

RT: 7.641 min Scan# 2053

Delta R.T. 0.003 min

Lab File: VV029935.D

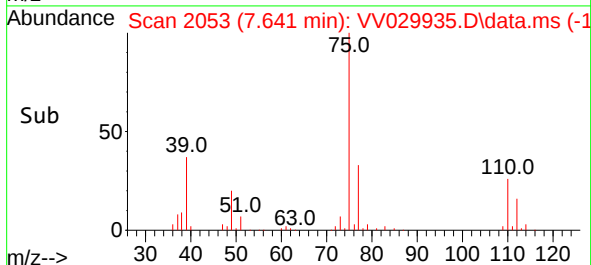
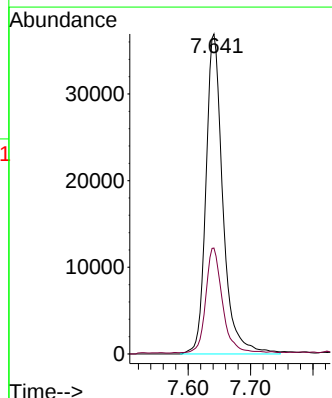
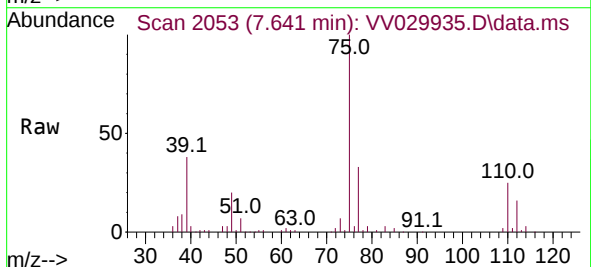
Acq: 25 Jan 2023 10:22

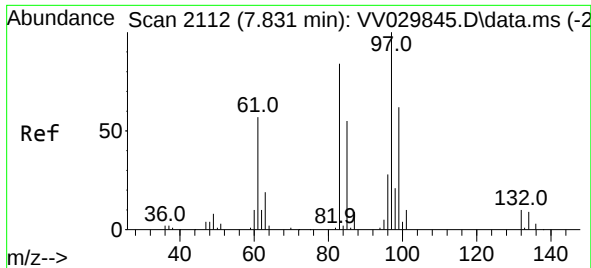
Tgt Ion: 75 Resp: 69934

Ion Ratio Lower Upper

75 100

77 33.1 21.9 40.7

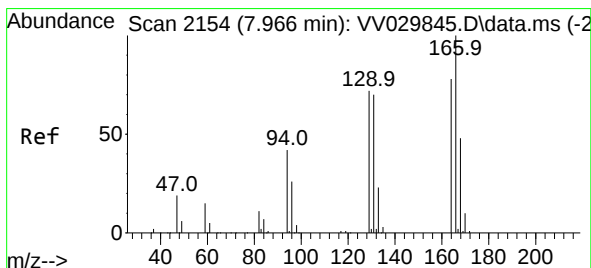
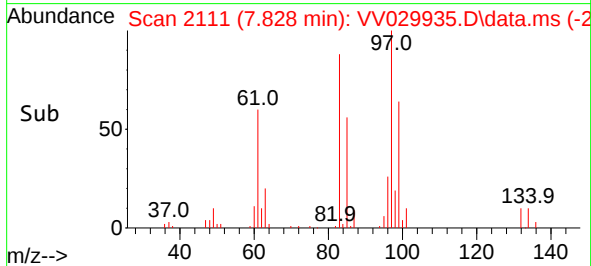
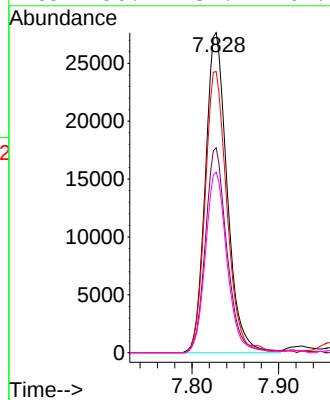
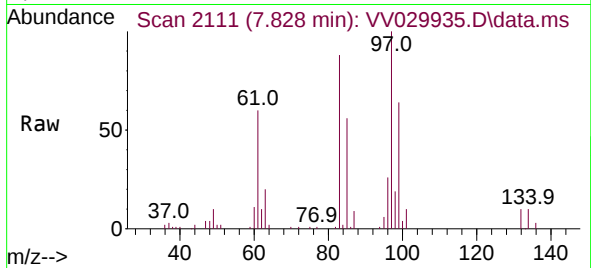




#45
1,1,2-Trichloroethane
Concen: 5.127 ug/L
RT: 7.828 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VV029935.D
Acq: 25 Jan 2023 10:22

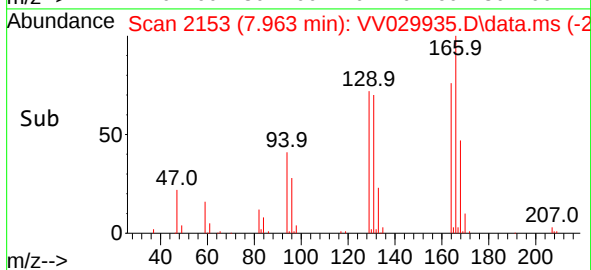
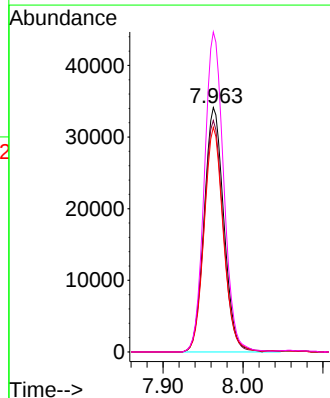
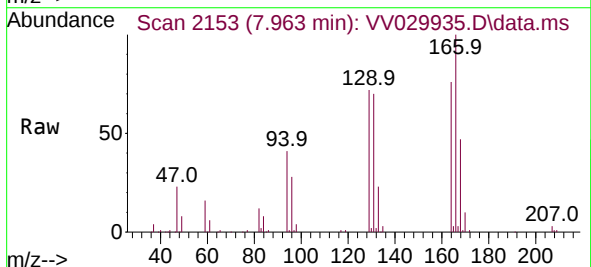
Instrument :
MSVOA_V
ClientSampleId :
VSTD005392

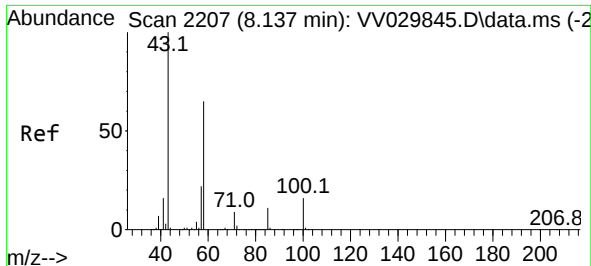
Tgt Ion:	97	Resp:	48201
Ion	Ratio	Lower	Upper
97	100		
99	64.0	41.9	77.7
83	87.8	58.7	109.1
85	56.4	37.7	69.9



#47
Tetrachloroethene
Concen: 4.941 ug/L
RT: 7.963 min Scan# 2153
Delta R.T. -0.000 min
Lab File: VV029935.D
Acq: 25 Jan 2023 10:22

Tgt Ion:	164	Resp:	58737
Ion	Ratio	Lower	Upper
164	100		
129	94.7	64.5	119.7
131	91.9	62.9	116.7
166	130.9	90.7	168.5



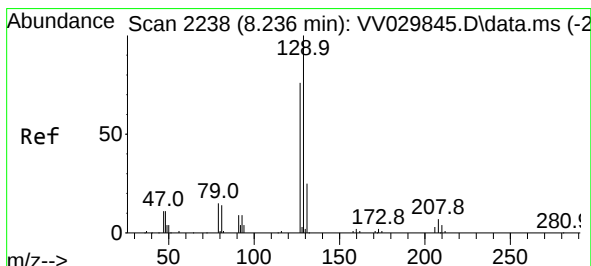
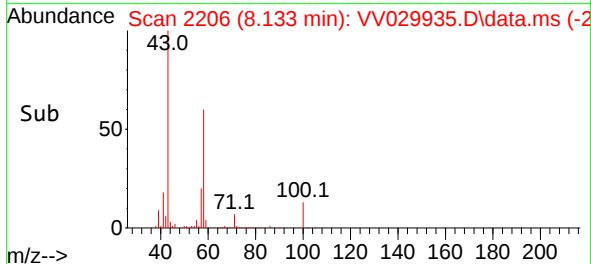
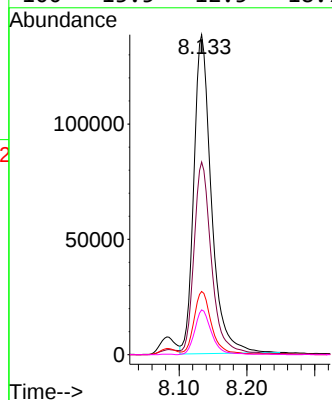
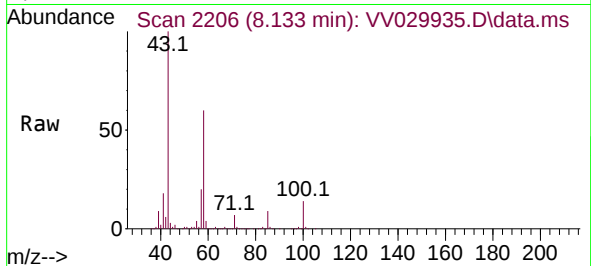


#48
2-Hexanone
Concen: 62.655 ug/L
RT: 8.133 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029935.D
Acq: 25 Jan 2023 10:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD005392

Tgt Ion: 43 Resp: 249373

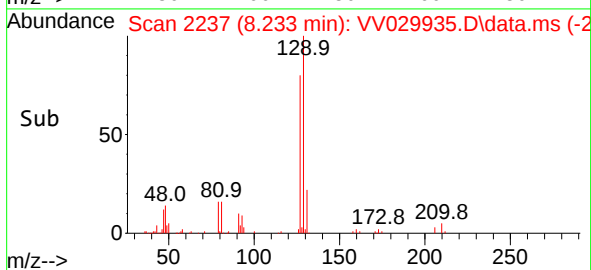
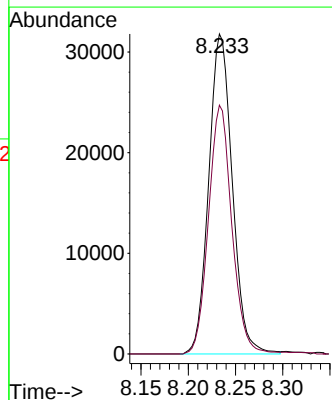
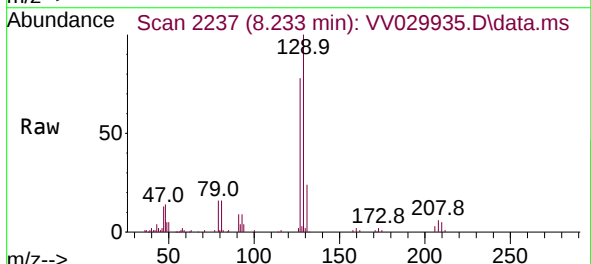
Ion	Ratio	Lower	Upper
43	100		
58	59.3	51.4	77.2
57	19.4	17.0	25.6
100	13.5	12.5	18.7

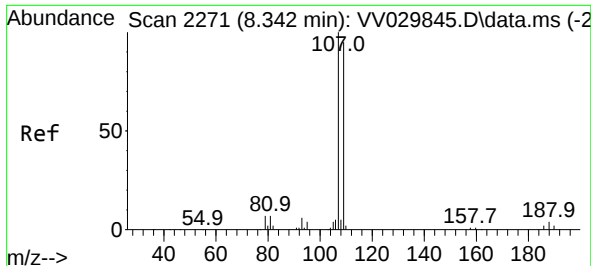


#49
Dibromochloromethane
Concen: 4.995 ug/L
RT: 8.233 min Scan# 2237
Delta R.T. -0.000 min
Lab File: VV029935.D
Acq: 25 Jan 2023 10:22

Tgt Ion: 129 Resp: 55107

Ion	Ratio	Lower	Upper
129	100		
127	77.7	54.1	100.5





#50

1,2-Dibromoethane

Concen: 5.469 ug/L

RT: 8.339 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV029935.D

Acq: 25 Jan 2023 10:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD005392

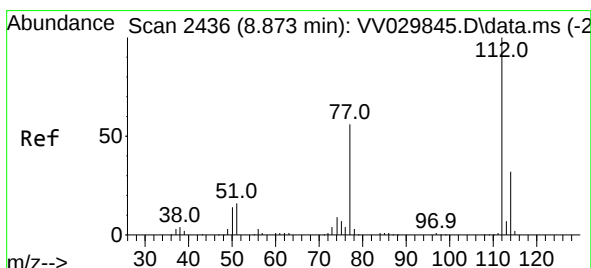
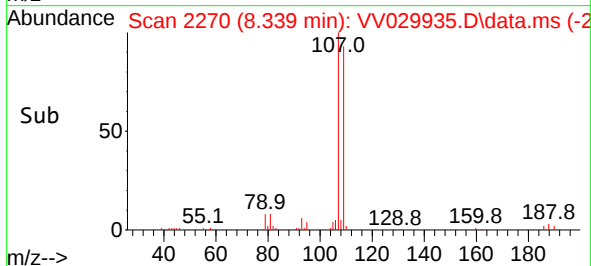
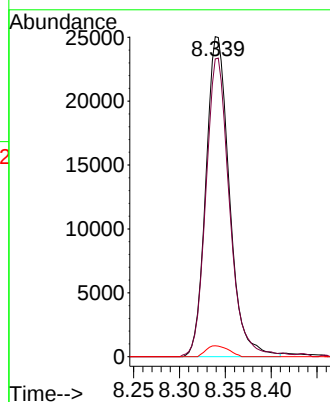
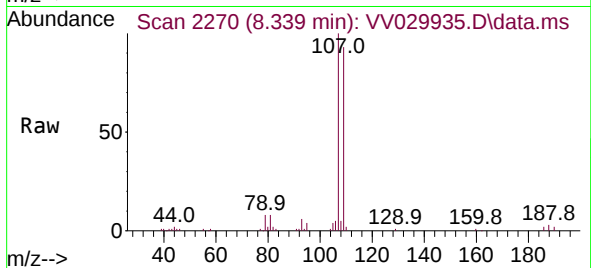
Tgt Ion:107 Resp: 44632

Ion Ratio Lower Upper

107 100

109 93.0 66.1 122.7

188 3.4 2.9 4.3



#51

Chlorobenzene

Concen: 5.320 ug/L

RT: 8.870 min Scan# 2435

Delta R.T. -0.000 min

Lab File: VV029935.D

Acq: 25 Jan 2023 10:22

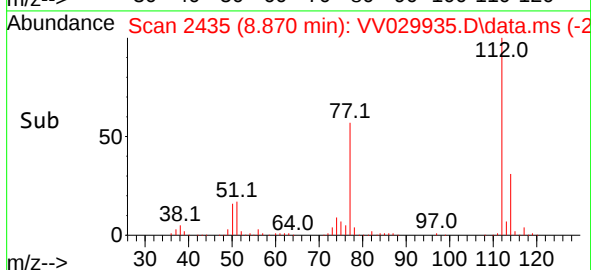
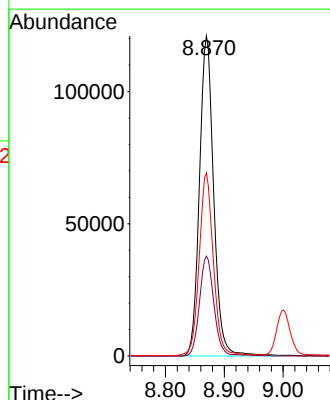
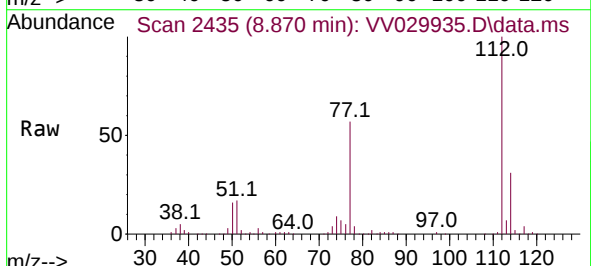
Tgt Ion:112 Resp: 203000

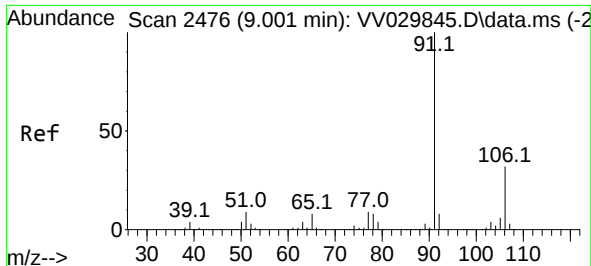
Ion Ratio Lower Upper

112 100

114 31.2 22.5 41.9

77 57.2 46.1 69.1





#52

Ethylbenzene

Concen: 5.089 ug/L

RT: 8.998 min Scan# 2476

Delta R.T. -0.003 min

Lab File: VV029935.D

Acq: 25 Jan 2023 10:22

Instrument :

MSVOA_V

ClientSampleId :

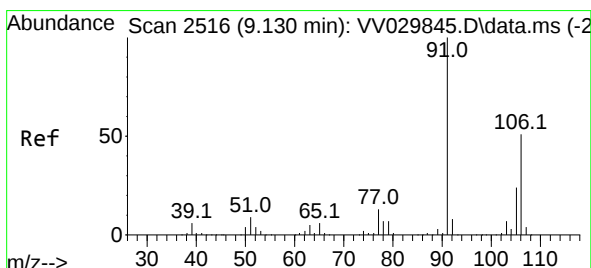
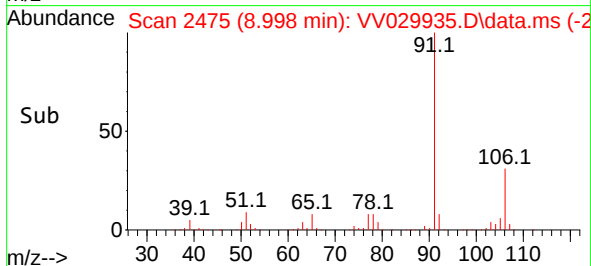
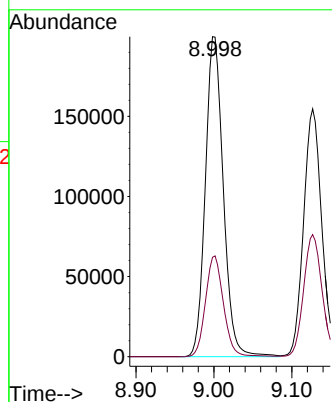
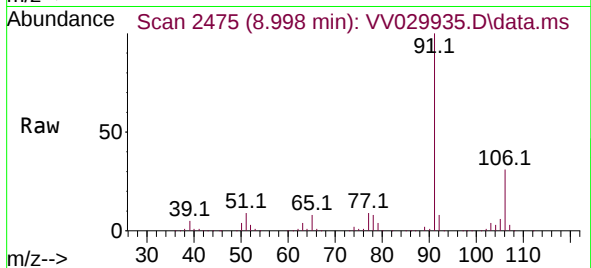
VSTD005392

Tgt Ion: 91 Resp: 320088

Ion Ratio Lower Upper

91 100

106 31.1 21.9 40.7



#53

m,p-Xylene

Concen: 5.070 ug/L

RT: 9.127 min Scan# 2515

Delta R.T. -0.000 min

Lab File: VV029935.D

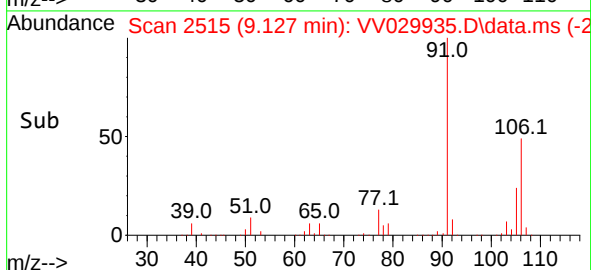
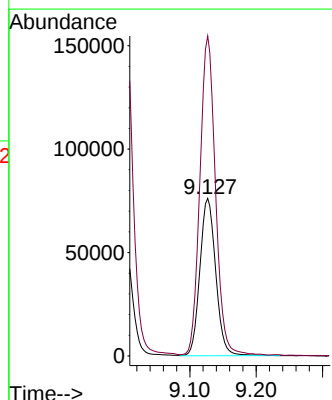
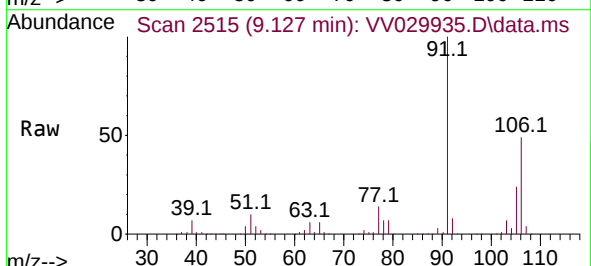
Acq: 25 Jan 2023 10:22

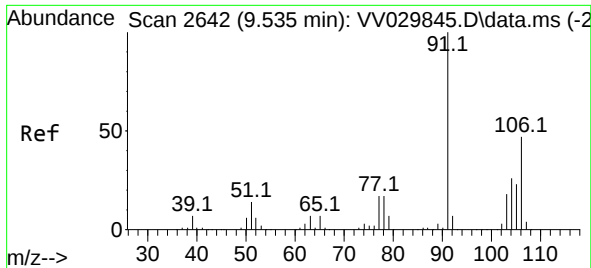
Tgt Ion:106 Resp: 126204

Ion Ratio Lower Upper

106 100

91 203.1 138.7 257.7

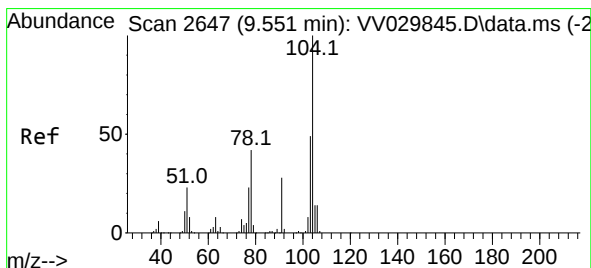
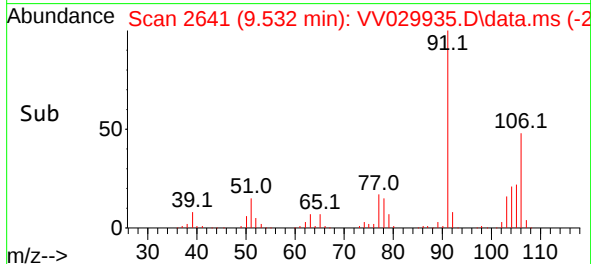
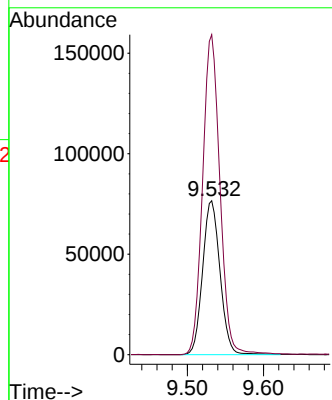
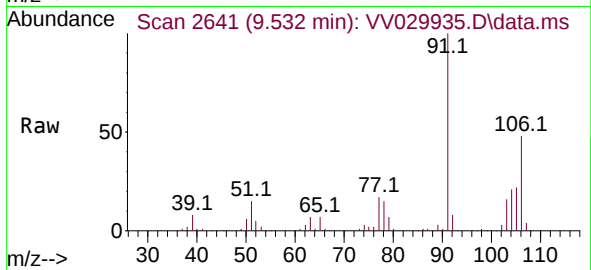




#54
o-Xylene
Concen: 5.152 ug/L
RT: 9.532 min Scan# 2642
Delta R.T. -0.000 min
Lab File: VV029935.D
Acq: 25 Jan 2023 10:22

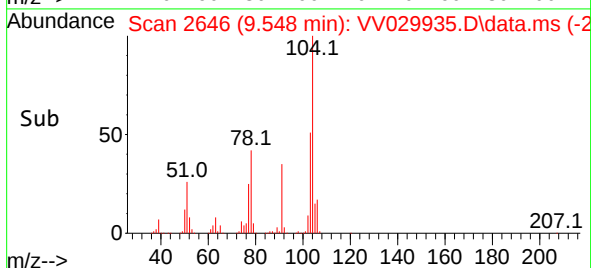
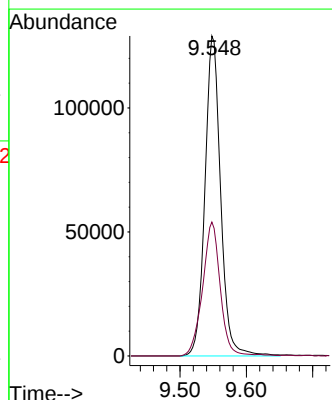
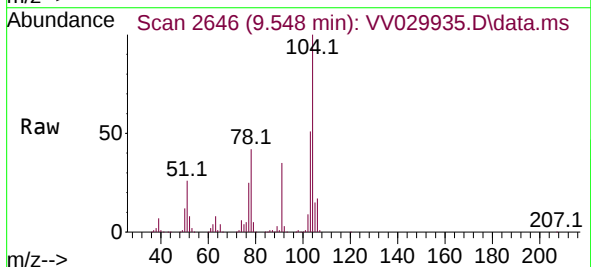
Instrument :
MSVOA_V
ClientSampleId :
VSTD005392

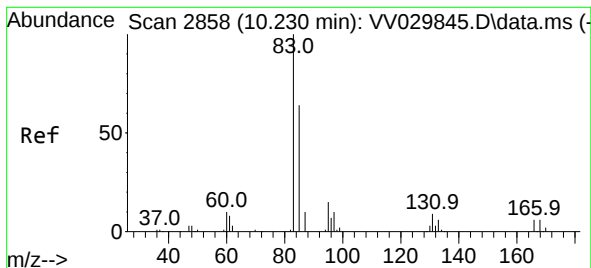
Tgt Ion:106 Resp: 121724
Ion Ratio Lower Upper
106 100
91 207.8 147.7 274.3



#55
Styrene
Concen: 5.227 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. -0.000 min
Lab File: VV029935.D
Acq: 25 Jan 2023 10:22

Tgt Ion:104 Resp: 212402
Ion Ratio Lower Upper
104 100
78 41.9 28.6 53.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.681 ug/L

RT: 10.230 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV029935.D

Acq: 25 Jan 2023 10:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD005392

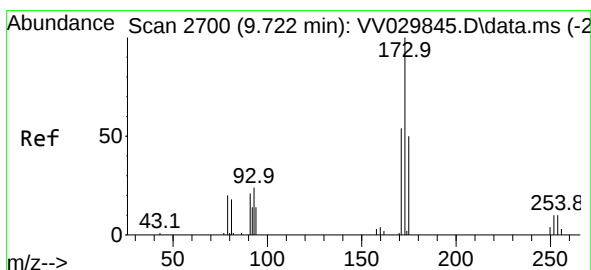
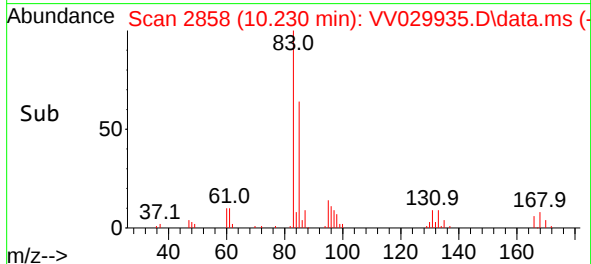
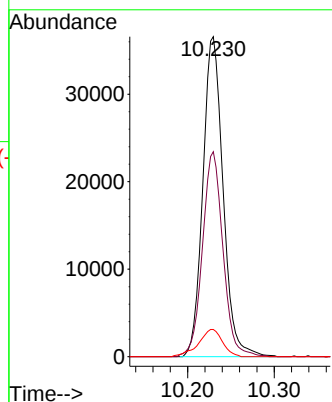
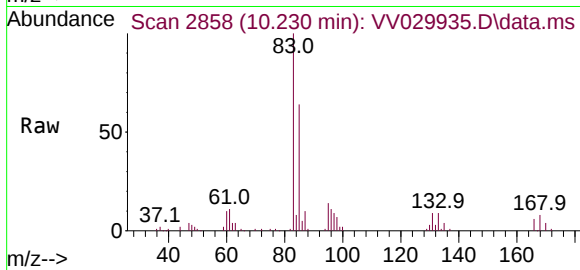
Tgt Ion: 83 Resp: 59327

Ion Ratio Lower Upper

83 100

85 64.1 46.0 85.4

131 8.5 8.4 12.6



#59

Bromoform

Concen: 4.211 ug/L

RT: 9.718 min Scan# 2699

Delta R.T. -0.000 min

Lab File: VV029935.D

Acq: 25 Jan 2023 10:22

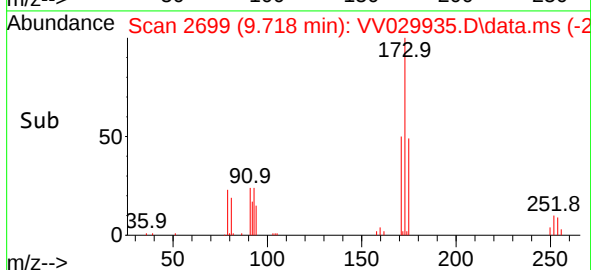
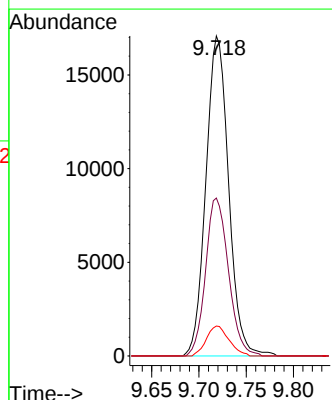
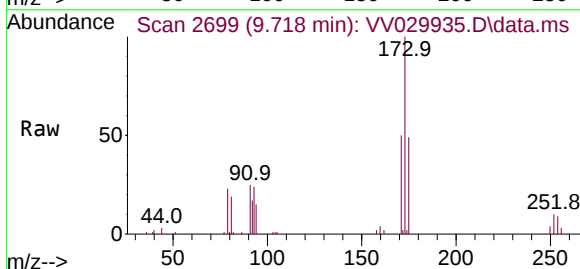
Tgt Ion: 173 Resp: 28583

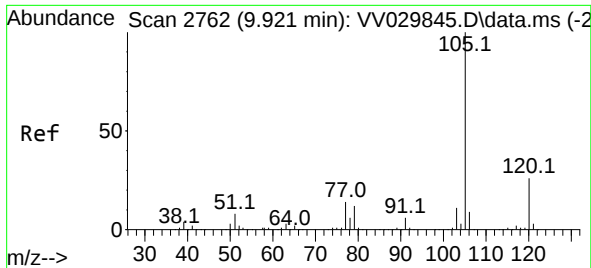
Ion Ratio Lower Upper

173 100

175 49.6 38.6 57.8

254 9.3 7.9 11.9

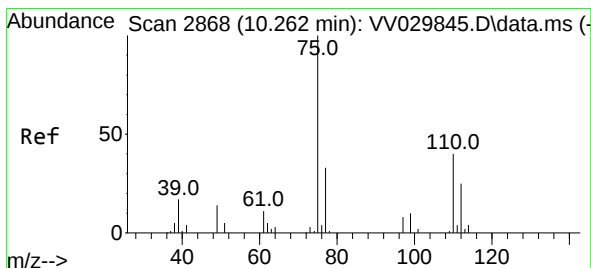
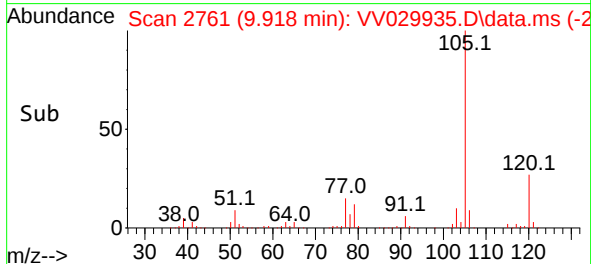
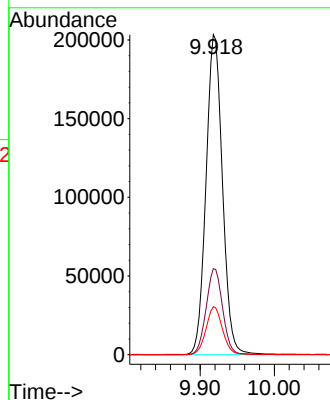
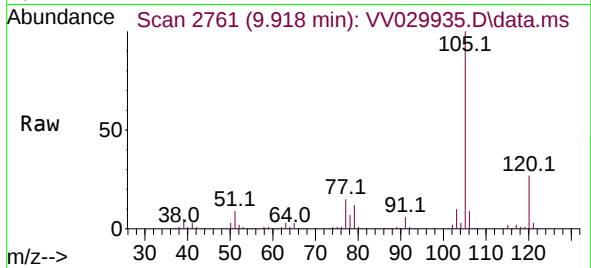




#60
Isopropylbenzene
Concen: 4.662 ug/L
RT: 9.918 min Scan# 2761
Delta R.T. -0.000 min
Lab File: VV029935.D
Acq: 25 Jan 2023 10:22

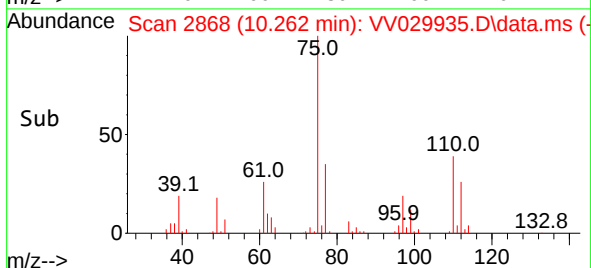
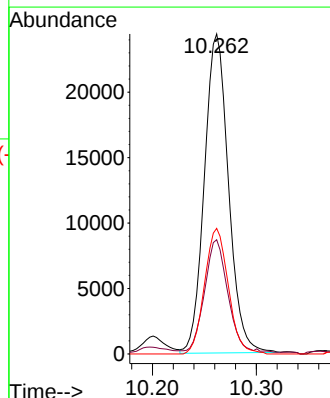
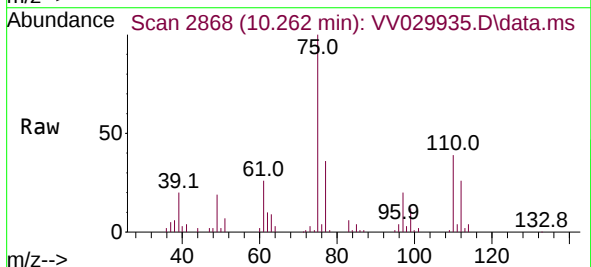
Instrument :
MSVOA_V
ClientSampleId :
VSTD005392

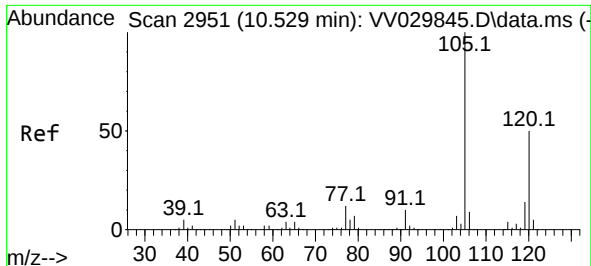
Tgt Ion:105 Resp: 312295
Ion Ratio Lower Upper
105 100
120 27.0 21.2 31.8
77 14.8 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 5.063 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. -0.000 min
Lab File: VV029935.D
Acq: 25 Jan 2023 10:22

Tgt Ion: 75 Resp: 39286
Ion Ratio Lower Upper
75 100
77 34.0 26.5 39.7
110 38.7 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 4.425 ug/L

RT: 10.525 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VV029935.D

Acq: 25 Jan 2023 10:22

Instrument :

MSVOA_V

ClientSampleId :

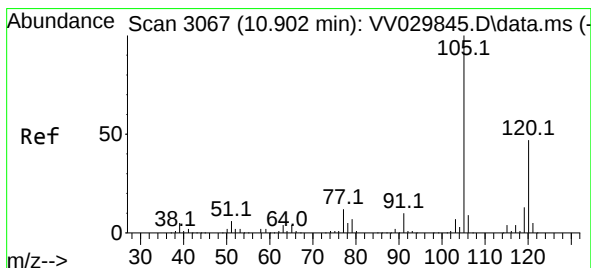
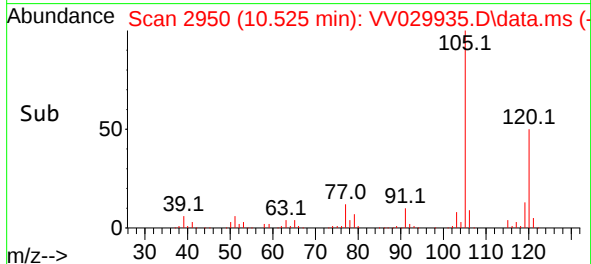
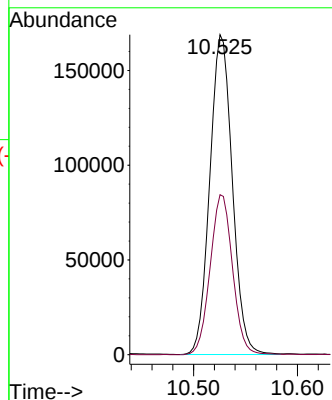
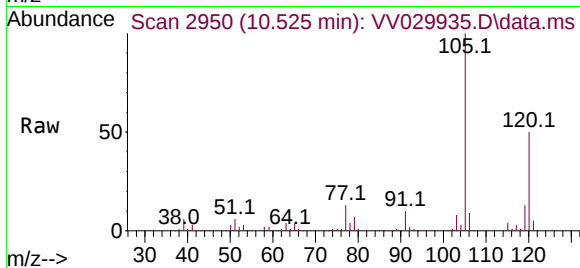
VSTD005392

Tgt Ion:105 Resp: 253984

Ion Ratio Lower Upper

105 100

120 49.8 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 4.469 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. -0.000 min

Lab File: VV029935.D

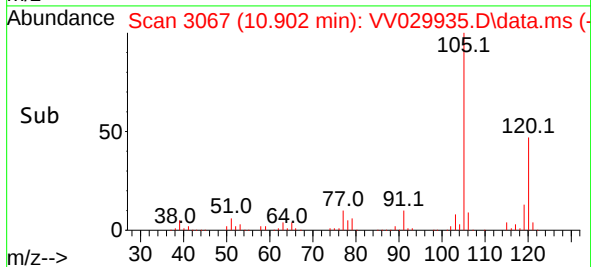
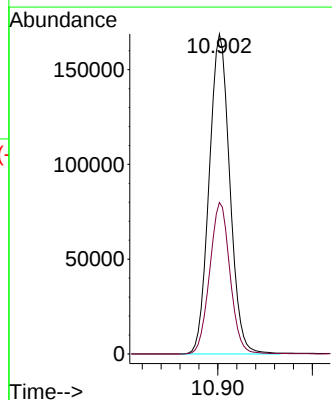
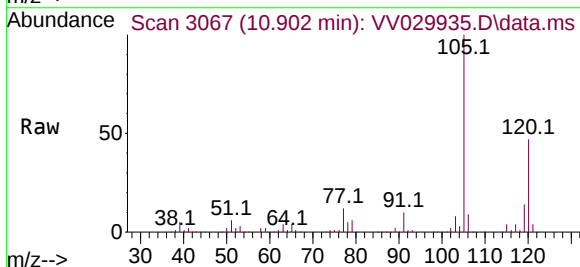
Acq: 25 Jan 2023 10:22

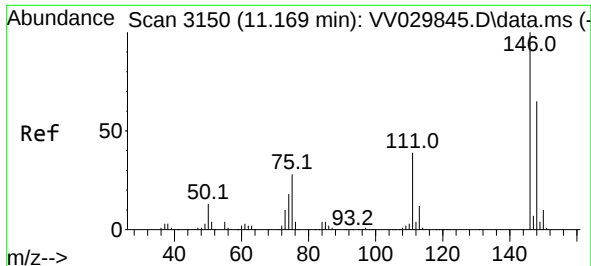
Tgt Ion:105 Resp: 255773

Ion Ratio Lower Upper

105 100

120 46.6 37.4 56.0

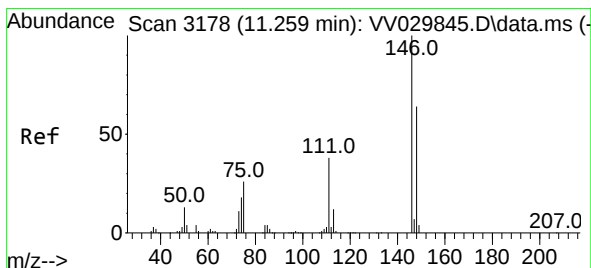
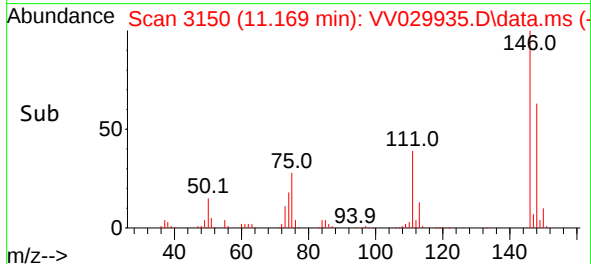
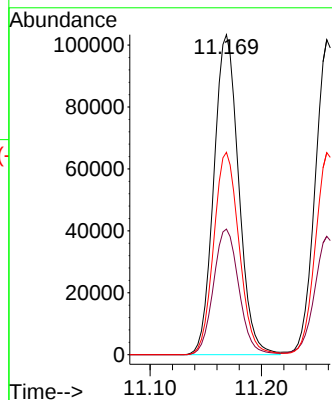
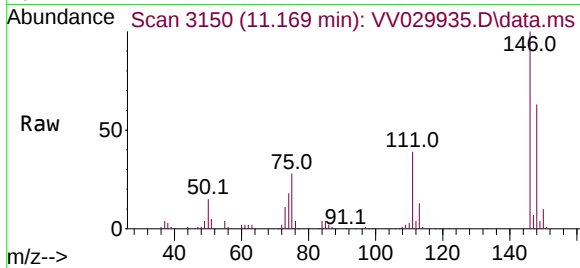




#64
1,3-Dichlorobenzene
Concen: 4.710 ug/L
RT: 11.169 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VV029935.D
Acq: 25 Jan 2023 10:22

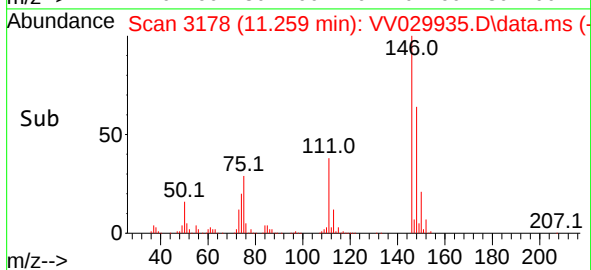
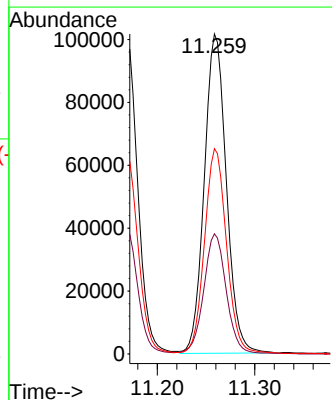
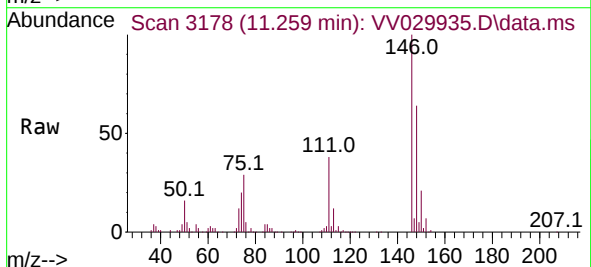
Instrument :
MSVOA_V
ClientSampleId :
VSTD005392

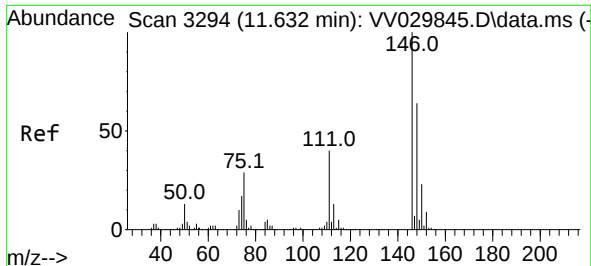
Tgt Ion:146 Resp: 160189
Ion Ratio Lower Upper
146 100
111 39.3 27.2 50.6
148 63.2 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 4.706 ug/L
RT: 11.259 min Scan# 3178
Delta R.T. -0.000 min
Lab File: VV029935.D
Acq: 25 Jan 2023 10:22

Tgt Ion:146 Resp: 159576
Ion Ratio Lower Upper
146 100
111 37.6 26.5 49.1
148 64.1 45.8 85.2

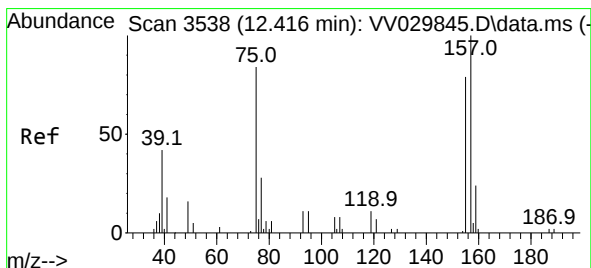
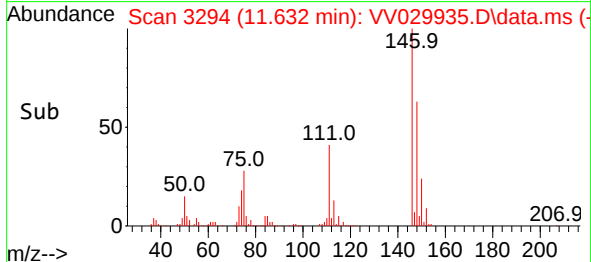
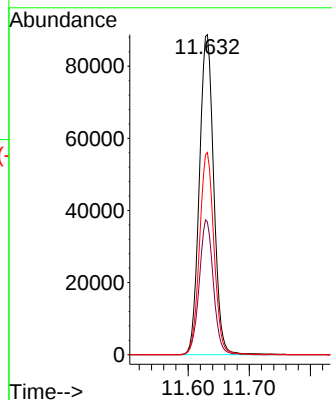
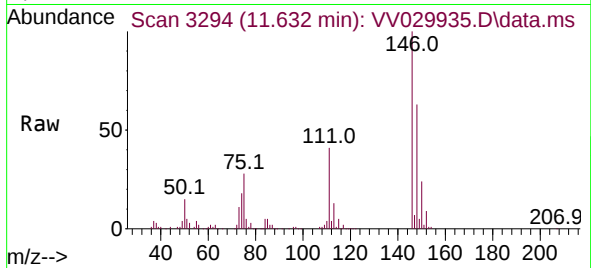




#67
1,2-Dichlorobenzene
Concen: 4.744 ug/L
RT: 11.632 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV029935.D
Acq: 25 Jan 2023 10:22

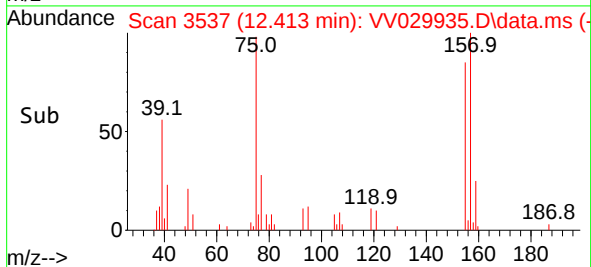
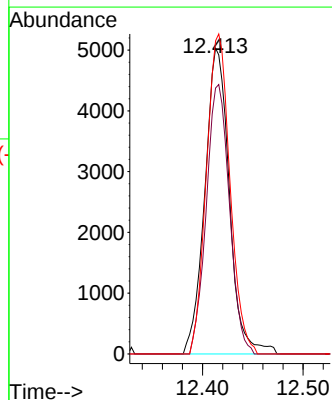
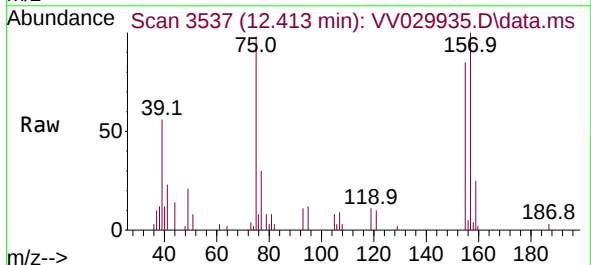
Instrument :
MSVOA_V
ClientSampleId :
VSTD005392

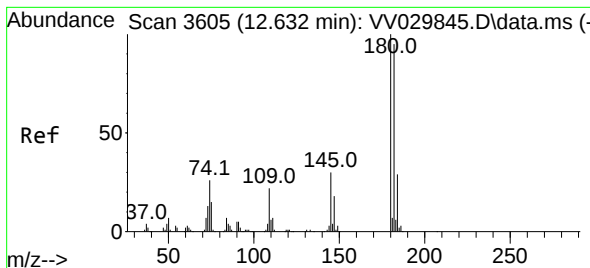
Tgt Ion:146 Resp: 145063
Ion Ratio Lower Upper
146 100
111 41.4 31.8 47.8
148 63.2 51.4 77.0



#68
1,2-Dibromo-3-chloropropane
Concen: 4.648 ug/L
RT: 12.413 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VV029935.D
Acq: 25 Jan 2023 10:22

Tgt Ion: 75 Resp: 8528
Ion Ratio Lower Upper
75 100
155 87.0 75.5 113.3
157 102.4 99.2 148.8





#69

1,3,5-Trichlorobenzene

Concen: 4.534 ug/L

RT: 12.631 min Scan# 3605

Delta R.T. -0.000 min

Lab File: VV029935.D

Acq: 25 Jan 2023 10:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD005392

Tgt Ion:180 Resp: 124126

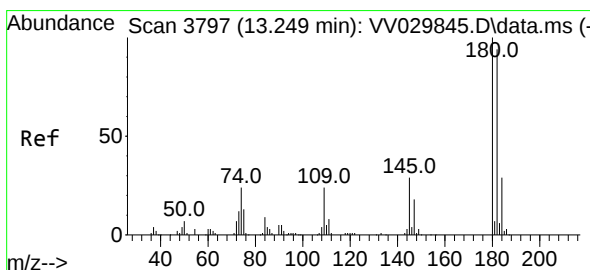
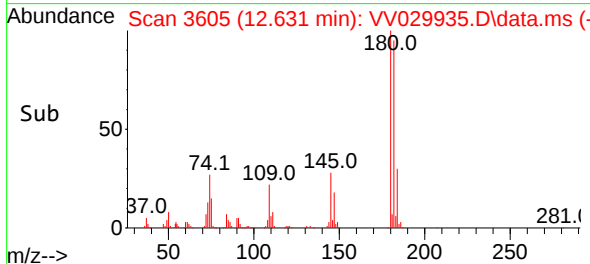
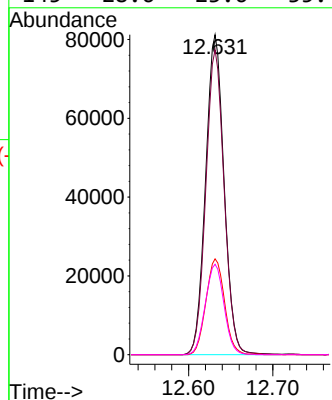
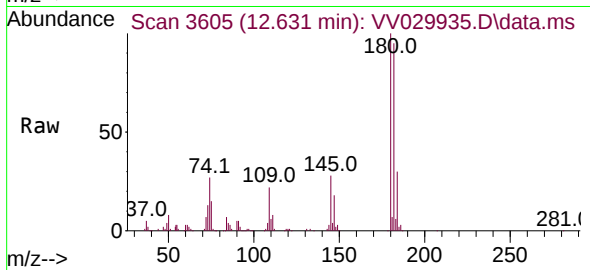
Ion Ratio Lower Upper

180 100

182 94.5 75.4 113.2

184 30.2 23.9 35.9

145 28.6 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 4.395 ug/L

RT: 13.246 min Scan# 3796

Delta R.T. -0.000 min

Lab File: VV029935.D

Acq: 25 Jan 2023 10:22

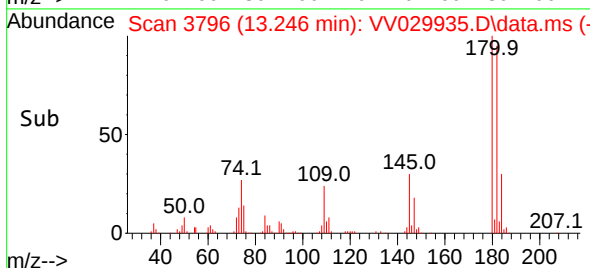
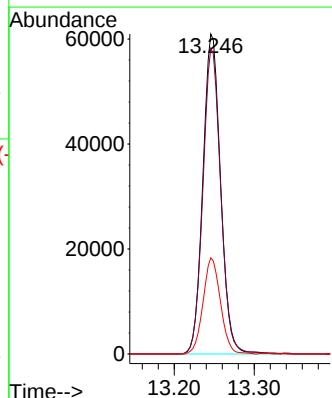
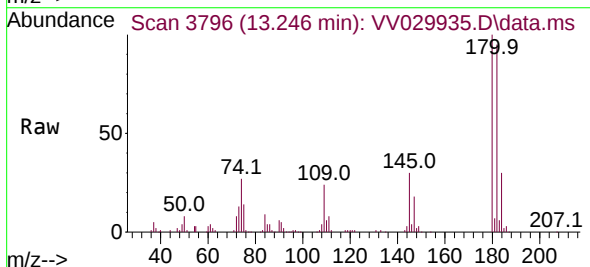
Tgt Ion:180 Resp: 94025

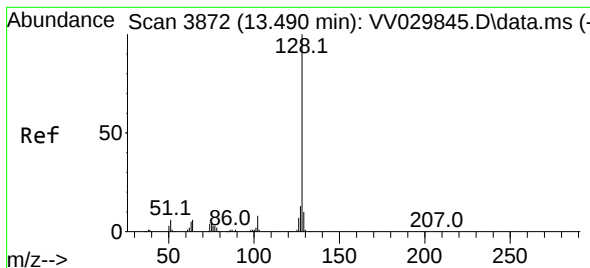
Ion Ratio Lower Upper

180 100

182 96.3 75.8 113.8

145 29.5 23.7 35.5





#71

Naphthalene

Concen: 4.155 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. -0.000 min

Lab File: VV029935.D

Acq: 25 Jan 2023 10:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD005392

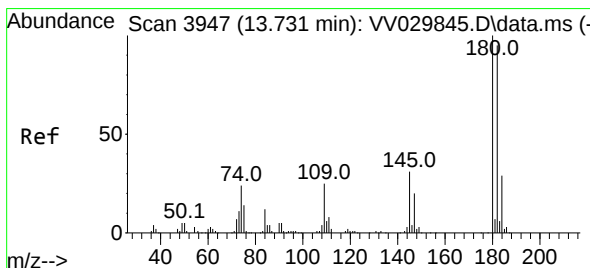
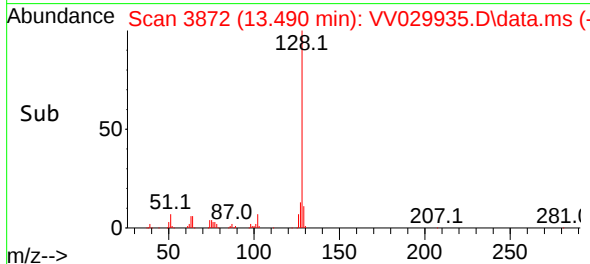
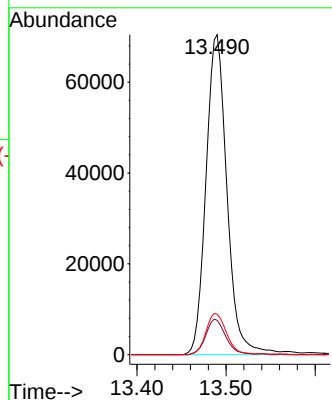
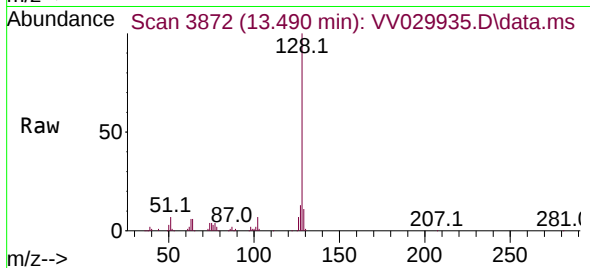
Tgt Ion:128 Resp: 115170

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

127 12.6 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 4.427 ug/L

RT: 13.728 min Scan# 3946

Delta R.T. -0.000 min

Lab File: VV029935.D

Acq: 25 Jan 2023 10:22

Tgt Ion:180 Resp: 78601

Ion Ratio Lower Upper

180 100

182 96.0 75.5 113.3

145 30.8 25.0 37.6

