

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102122\
 Data File : VW028650.D
 Acq On : 21 Oct 2022 10:04
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005331

Quant Time: Oct 21 22:55:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 21 00:53:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.600	114	215913	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	145549	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	73440	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.298	65	102732	4.806	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.200%
7) Chloroethane-d5	1.558	69	81866	4.872	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.400%
11) 1,1-Dichloroethene-d2	2.098	63	181701	4.891	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.800%
20) 2-Butanone-d5	3.950	46	204081	50.724	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.440%
24) Chloroform-d	4.330	84	158855	5.010	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
26) 1,2-Dichloroethane-d4	5.021	65	83976	4.890	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.800%
32) Benzene-d6	5.031	84	323669	5.111	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.200%
36) 1,2-Dichloropropane-d6	6.056	67	106829	5.380	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.600%
41) Toluene-d8	7.301	98	230878	5.041	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.800%
43) trans-1,3-Dichloroprop...	7.612	79	20949	4.346	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.000%
46) 2-Hexanone-d5	8.104	63	98627	49.276	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.560%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	48287	5.148	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	11.615	152	63904	4.841	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	49425	4.713	ug/L	97
3) Chloromethane	1.233	50	89443	4.269	ug/L	99
5) Vinyl chloride	1.301	62	90587	4.476	ug/L	97
6) Bromomethane	1.513	94	42660	4.339	ug/L	98
8) Chloroethane	1.577	64	59315	4.356	ug/L	92
9) Trichlorofluoromethane	1.741	101	115362	4.658	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	70672	4.768	ug/L	99
12) 1,1-Dichloroethene	2.105	96	64572	4.632	ug/L	97
13) Acetone	2.243	43	106696	41.369	ug/L	89
14) Carbon disulfide	2.281	76	144600	4.330	ug/L	99
15) Methyl Acetate	2.445	43	33851	4.412	ug/L	96
16) Methylene chloride	2.494	84	79682	3.968	ug/L	98
17) Methyl tert-butyl Ether	2.770	73	179501	4.710	ug/L	99
18) trans-1,2-Dichloroethene	2.741	96	70312	4.631	ug/L	98
19) 1,1-Dichloroethane	3.172	63	166560	4.699	ug/L	99
21) 2-Butanone	4.031	43	209646	45.995	ug/L	99
22) cis-1,2-Dichloroethene	3.892	96	80489	4.610	ug/L	94
23) Bromochloromethane	4.230	128	28820	4.512	ug/L	99
25) Chloroform	4.359	83	156115	4.642	ug/L	100

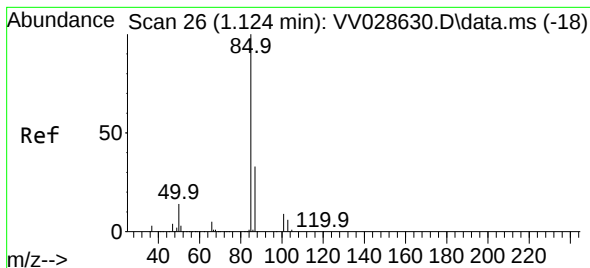
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102122\
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTD005331

Quant Time: Oct 21 22:55:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 21 00:53:32 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.121	62	97799	4.648	ug/L	98
29) 1,1,1-Trichloroethane	4.584	97	122198	4.873	ug/L	99
30) Cyclohexane	4.645	56	138783	5.051	ug/L	98
31) Carbon tetrachloride	4.799	117	92144	4.975	ug/L	99
33) Benzene	5.079	78	329699	4.829	ug/L	100
34) Trichloroethene	5.892	95	75496	4.791	ug/L	94
35) Methylcyclohexane	6.104	83	122306	4.945	ug/L	98
37) 1,2-Dichloropropane	6.162	63	90268	4.939	ug/L	99
38) Bromodichloromethane	6.497	83	95009	5.413	ug/L	96
39) cis-1,3-Dichloropropene	7.018	75	102706	5.427	ug/L	99
40) 4-Methyl-2-pentanone	7.246	43	490314	55.403	ug/L	98
42) Toluene	7.374	91	261145	4.618	ug/L	99
44) trans-1,3-Dichloropropene	7.645	75	55737	4.167	ug/L	98
45) 1,1,2-Trichloroethane	7.834	97	39186	4.549	ug/L	97
47) Tetrachloroethene	7.960	164	38557	4.531	ug/L	96
48) 2-Hexanone	8.156	43	257223	46.401	ug/L	99
49) Dibromochloromethane	8.239	129	35725	4.474	ug/L	91
50) 1,2-Dibromoethane	8.345	107	32911	4.462	ug/L	98
51) Chlorobenzene	8.873	112	155715	4.710	ug/L	99
52) Ethylbenzene	9.001	91	268369	4.591	ug/L	98
53) m,p-Xylene	9.130	106	99473	4.657	ug/L	96
54) o-Xylene	9.532	106	97824	4.618	ug/L	94
55) Styrene	9.551	104	173019	4.790	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.236	83	50048	4.934	ug/L	99
59) Bromoform	9.722	173	15860	4.373	ug/L	99
60) Isopropylbenzene	9.921	105	274263	4.468	ug/L	99
61) 1,2,3-Trichloropropane	10.268	75	34258	4.304	ug/L	98
62) 1,3,5-Trimethylbenzene	10.529	105	74772	4.241	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	213528	4.498	ug/L	100
64) 1,3-Dichlorobenzene	11.172	146	114953	4.732	ug/L	98
65) 1,4-Dichlorobenzene	11.265	146	113664	4.633	ug/L	98
67) 1,2-Dichlorobenzene	11.632	146	105536	4.671	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.419	75	5366	3.846	ug/L	99
69) 1,3,5-Trichlorobenzene	12.635	180	82723	4.781	ug/L	98
70) 1,2,4-trichlorobenzene	13.252	180	62618	4.593	ug/L	100
71) Naphthalene	13.493	128	86725	3.762	ug/L	99
72) 1,2,3-Trichlorobenzene	13.734	180	55088	4.624	ug/L	98

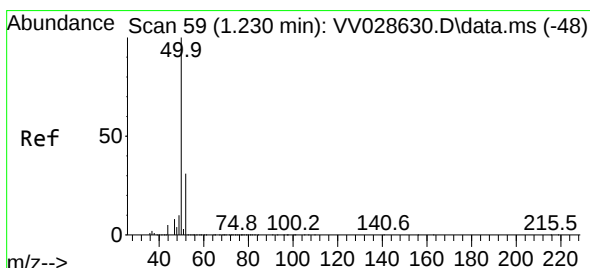
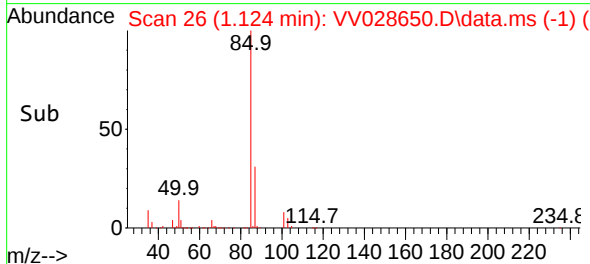
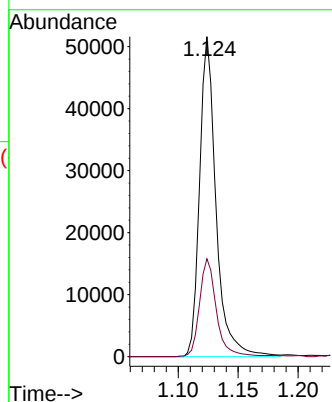
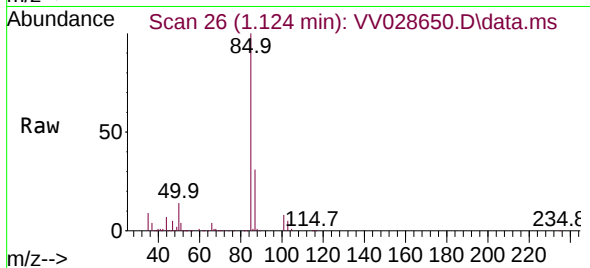
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.713 ug/L
 RT: 1.124 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV028650.D
 Acq: 21 Oct 2022 10:04

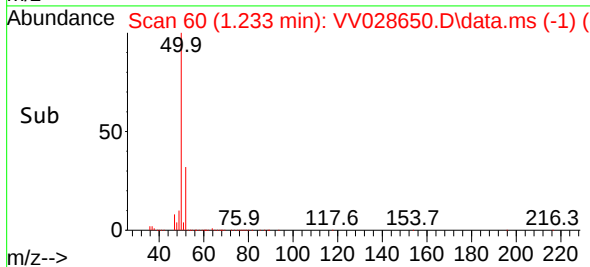
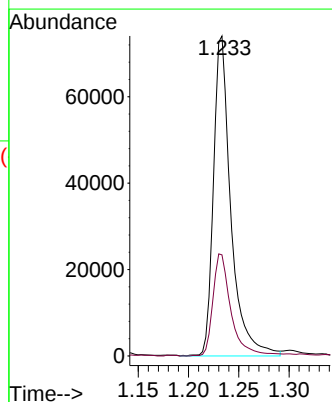
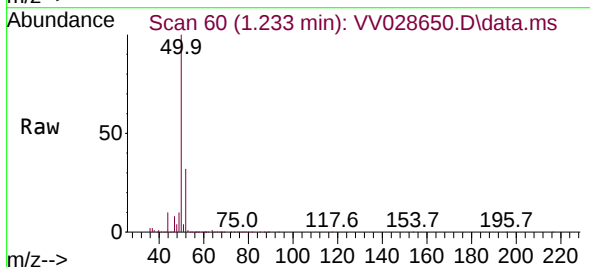
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005331

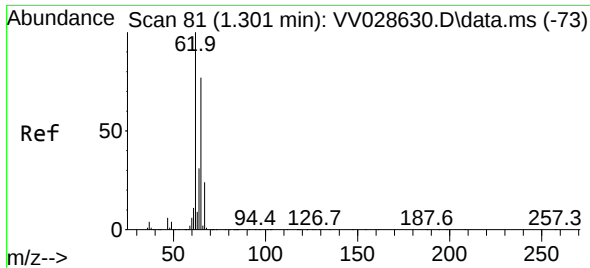
Tgt Ion: 85 Resp: 49425
 Ion Ratio Lower Upper
 85 100
 87 31.3 26.6 40.0



#3
 Chloromethane
 Concen: 4.269 ug/L
 RT: 1.233 min Scan# 60
 Delta R.T. 0.003 min
 Lab File: VV028650.D
 Acq: 21 Oct 2022 10:04

Tgt Ion: 50 Resp: 89443
 Ion Ratio Lower Upper
 50 100
 52 31.6 21.8 40.6

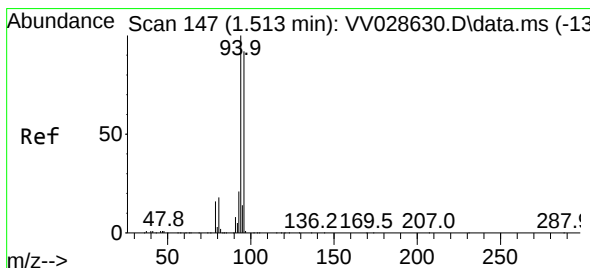
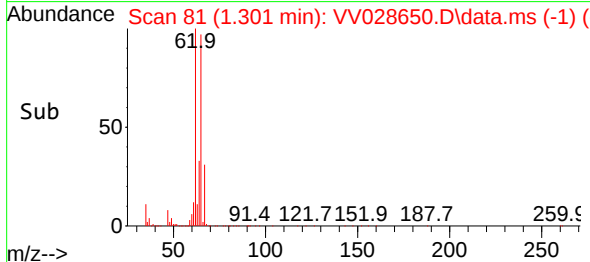
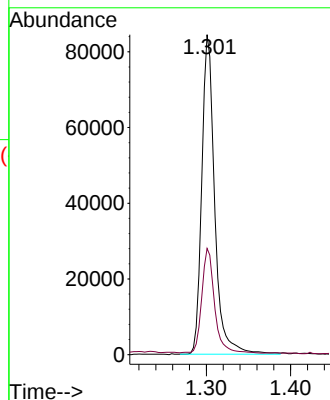
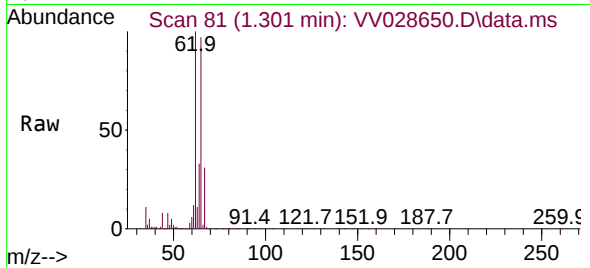




#5
 Vinyl chloride
 Concen: 4.476 ug/L
 RT: 1.301 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VV028650.D
 Acq: 21 Oct 2022 10:04

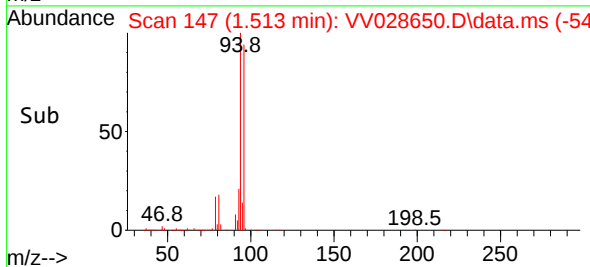
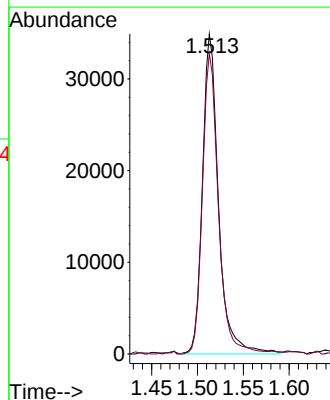
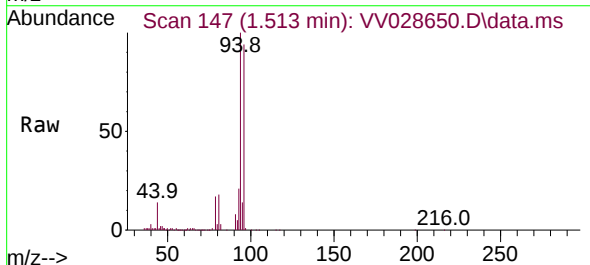
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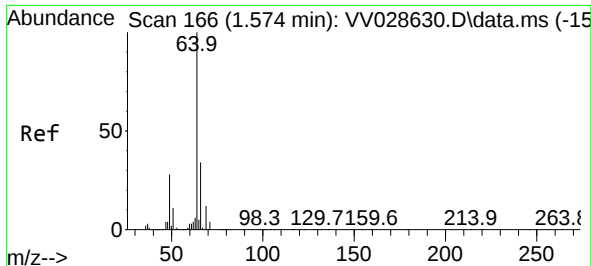
Tgt Ion: 62 Resp: 90587
 Ion Ratio Lower Upper
 62 100
 64 33.2 22.0 41.0



#6
 Bromomethane
 Concen: 4.339 ug/L
 RT: 1.513 min Scan# 147
 Delta R.T. 0.000 min
 Lab File: VV028650.D
 Acq: 21 Oct 2022 10:04

Tgt Ion: 94 Resp: 42660
 Ion Ratio Lower Upper
 94 100
 96 93.9 64.3 119.3

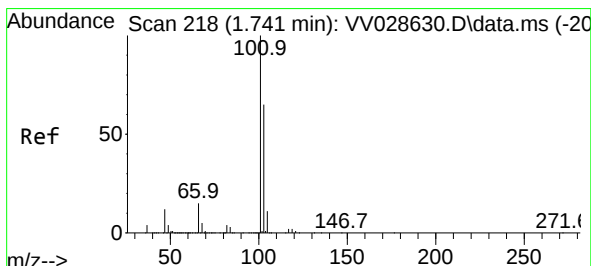
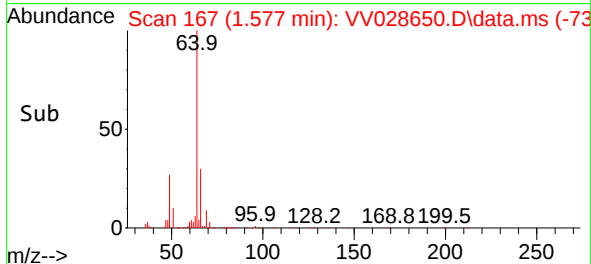
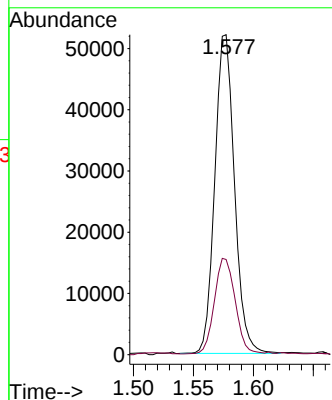
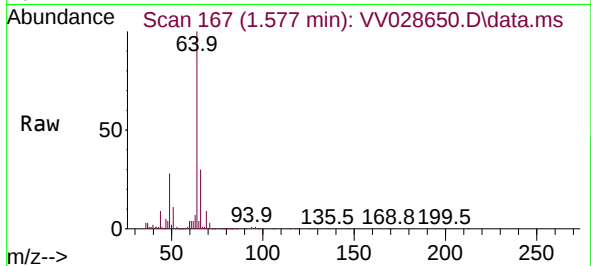




#8
Chloroethane
Concen: 4.356 ug/L
RT: 1.577 min Scan# 166
Delta R.T. 0.003 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

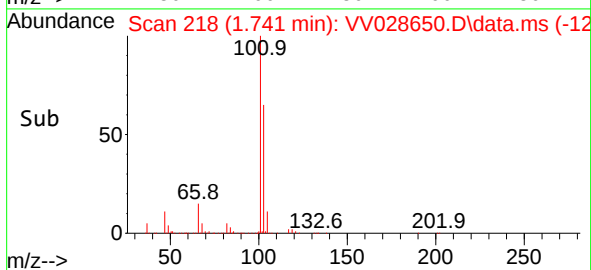
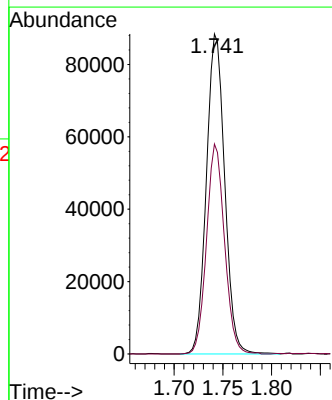
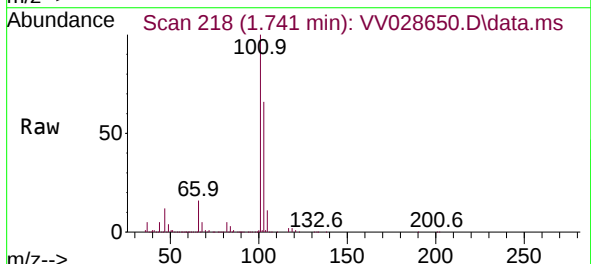
Instrument :
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ClientSampleId :
VSTD005331

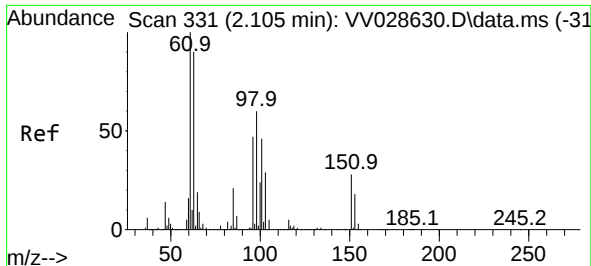
Tgt Ion: 64 Resp: 59315
Ion Ratio Lower Upper
64 100
66 29.7 23.9 44.5



#9
Trichlorofluoromethane
Concen: 4.658 ug/L
RT: 1.741 min Scan# 218
Delta R.T. 0.000 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

Tgt Ion: 101 Resp: 115362
Ion Ratio Lower Upper
101 100
103 64.5 51.0 76.6

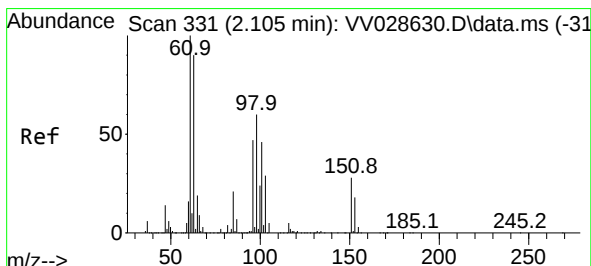
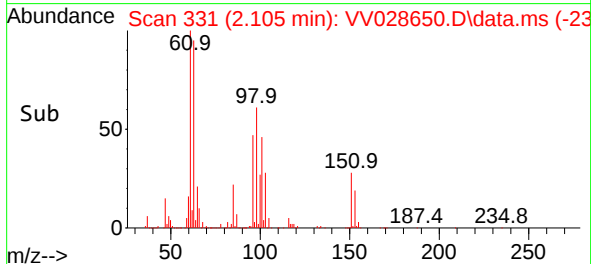
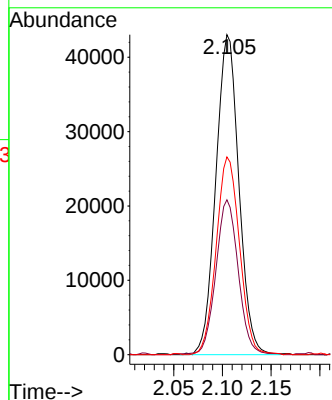
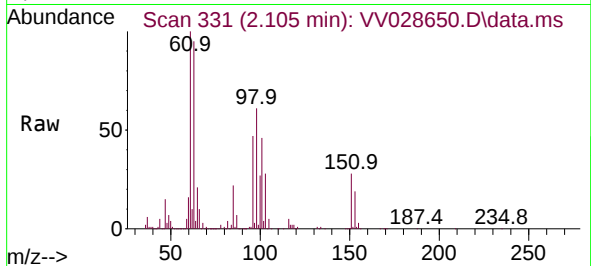




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.768 ug/L
 RT: 2.105 min Scan# 331
 Delta R.T. 0.000 min
 Lab File: VV028650.D
 Acq: 21 Oct 2022 10:04

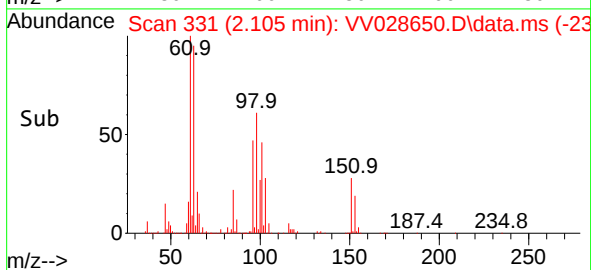
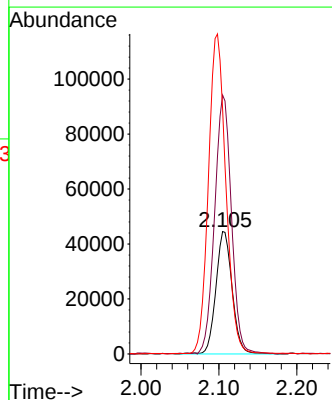
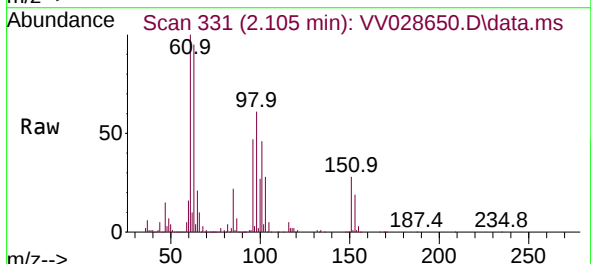
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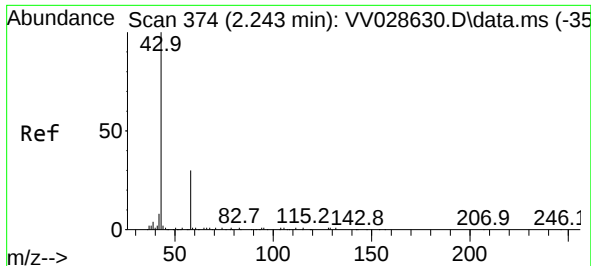
Tgt Ion:101 Resp: 70672
 Ion Ratio Lower Upper
 101 100
 85 47.3 37.0 55.6
 151 62.7 50.2 75.2



#12
 1,1-Dichloroethene
 Concen: 4.632 ug/L
 RT: 2.105 min Scan# 331
 Delta R.T. 0.000 min
 Lab File: VV028650.D
 Acq: 21 Oct 2022 10:04

Tgt Ion: 96 Resp: 64572
 Ion Ratio Lower Upper
 96 100
 61 211.5 148.1 275.1
 63 200.2 133.3 247.7

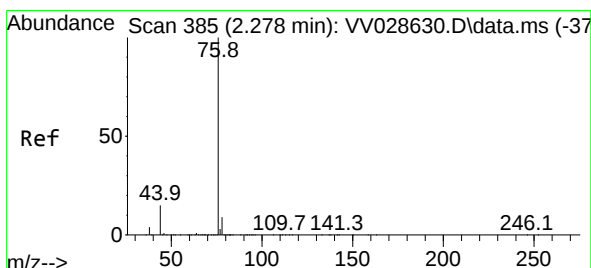
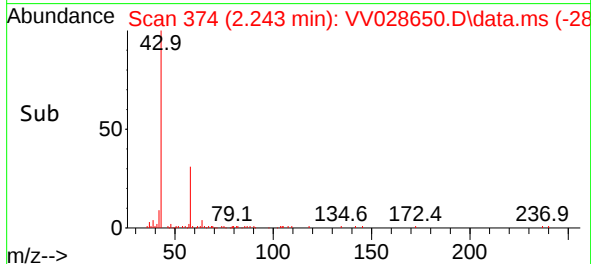
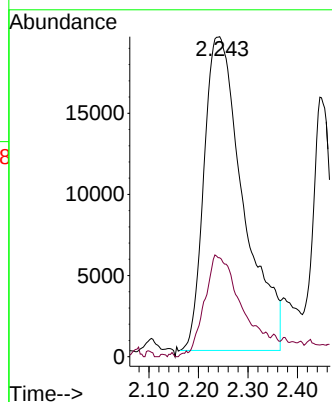
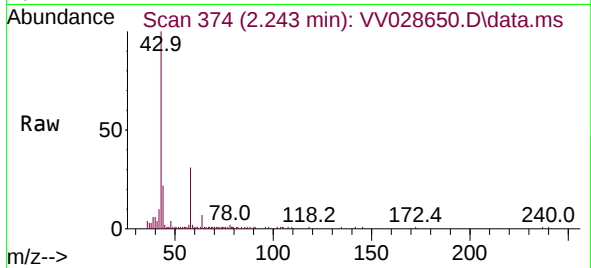




#13
Acetone
Concen: 41.369 ug/L
RT: 2.243 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

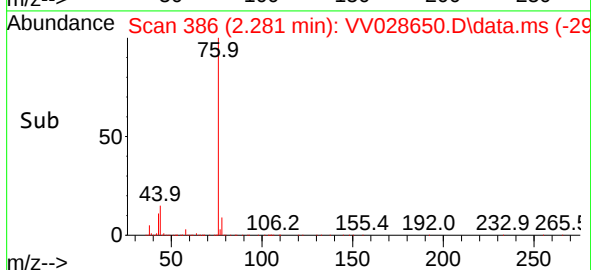
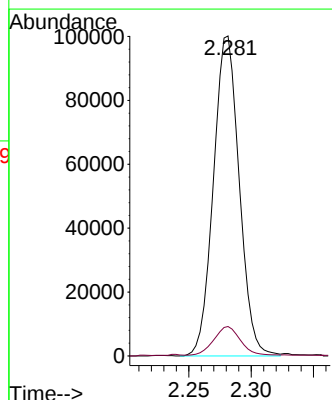
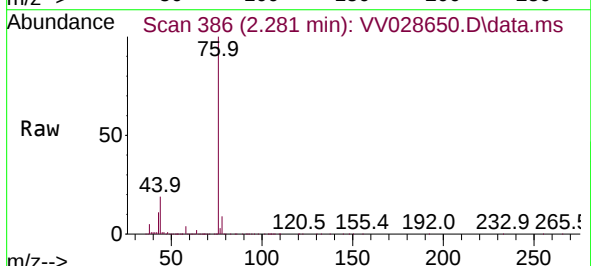
Instrument :
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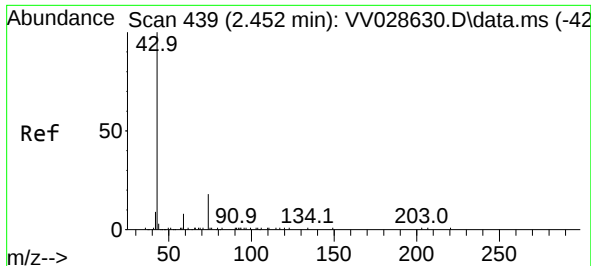
Tgt Ion: 43 Resp: 106696
Ion Ratio Lower Upper
43 100
58 30.6 0.0 50.2



#14
Carbon disulfide
Concen: 4.330 ug/L
RT: 2.281 min Scan# 386
Delta R.T. 0.003 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

Tgt Ion: 76 Resp: 144600
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

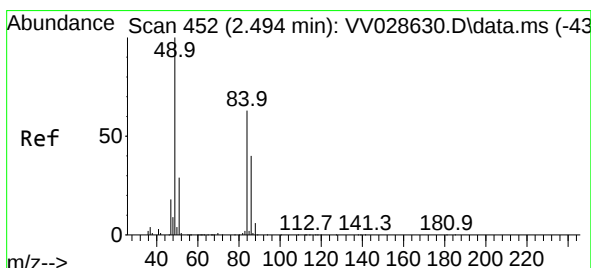
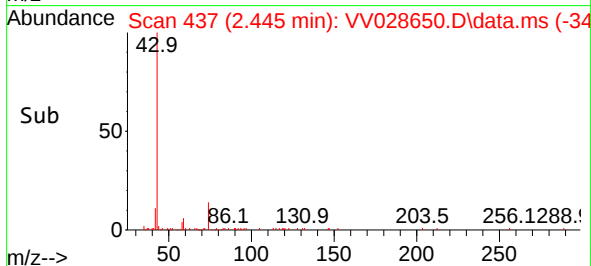
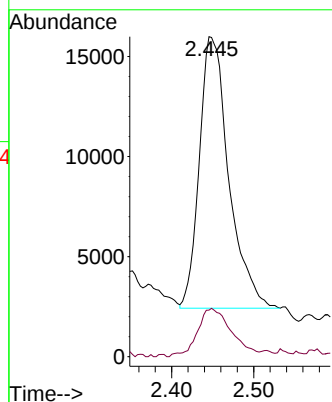
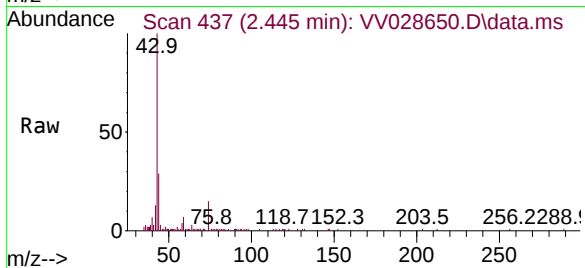




#15
Methyl Acetate
Concen: 4.412 ug/L
RT: 2.445 min Scan# 41
Delta R.T. -0.006 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

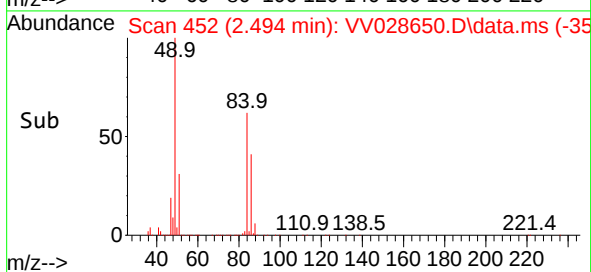
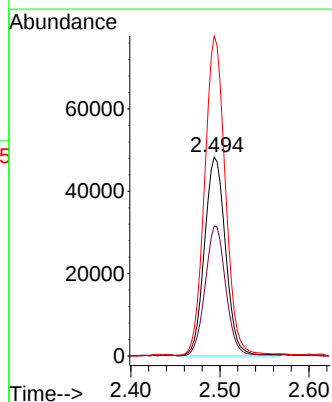
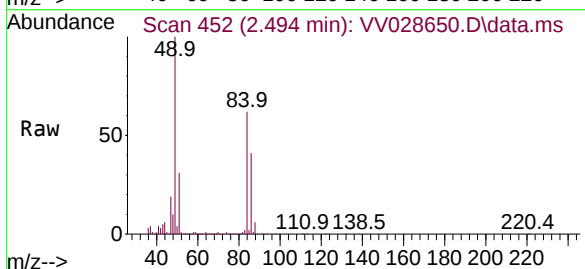
Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

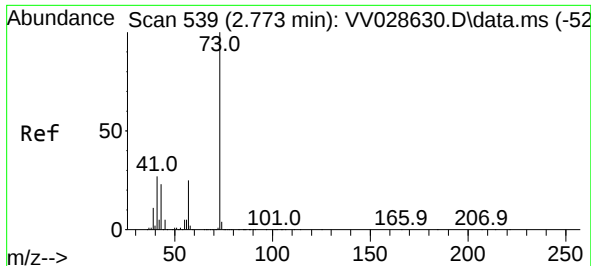
Tgt Ion: 43 Resp: 33851
Ion Ratio Lower Upper
43 100
74 20.5 14.9 22.3



#16
Methylene chloride
Concen: 3.968 ug/L
RT: 2.494 min Scan# 452
Delta R.T. 0.000 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

Tgt Ion: 84 Resp: 79682
Ion Ratio Lower Upper
84 100
86 65.5 44.4 82.4
49 160.9 110.8 205.8





#17

Methyl tert-butyl Ether

Concen: 4.710 ug/L

RT: 2.770 min Scan# 51

Delta R.T. -0.003 min

Lab File: VV028650.D

Acq: 21 Oct 2022 10:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD005331

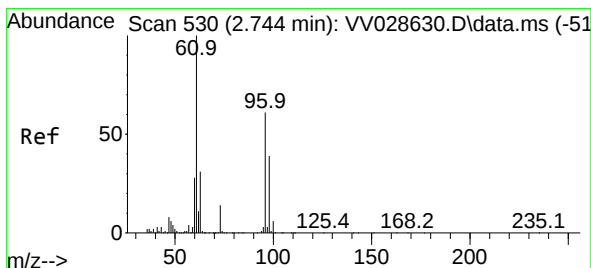
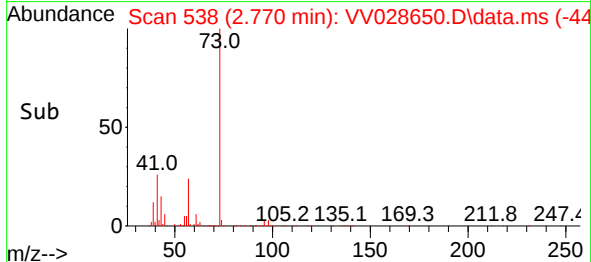
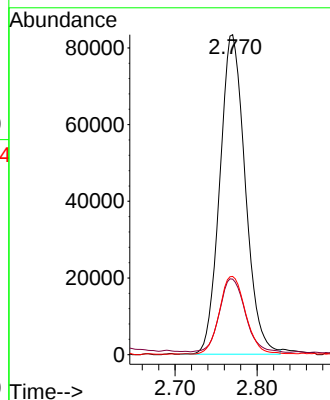
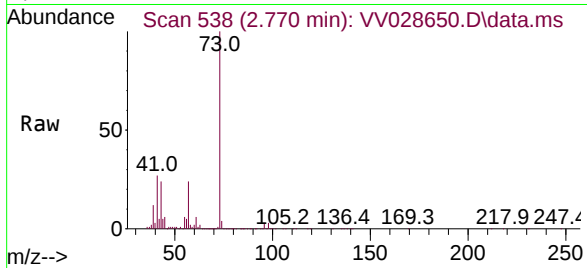
Tgt Ion: 73 Resp: 179501

Ion Ratio Lower Upper

73 100

43 23.4 18.0 27.0

57 24.9 20.0 30.0



#18

trans-1,2-Dichloroethene

Concen: 4.631 ug/L

RT: 2.741 min Scan# 529

Delta R.T. -0.003 min

Lab File: VV028650.D

Acq: 21 Oct 2022 10:04

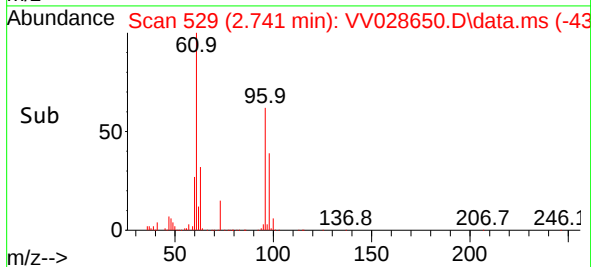
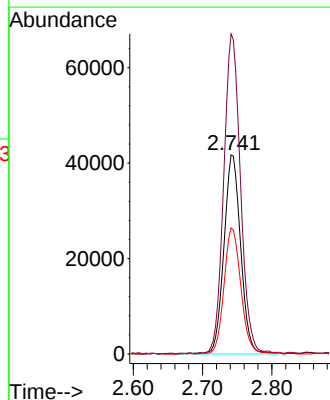
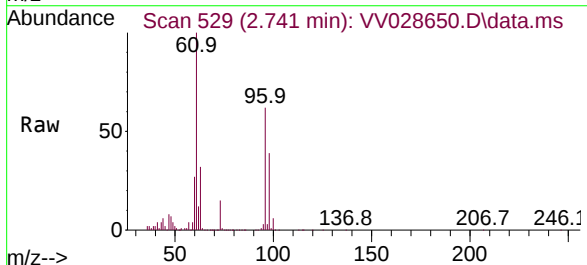
Tgt Ion: 96 Resp: 70312

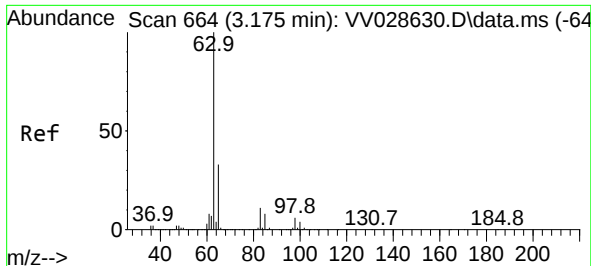
Ion Ratio Lower Upper

96 100

61 160.8 114.3 212.3

98 63.4 45.0 83.6





#19

1,1-Dichloroethane

Concen: 4.699 ug/L

RT: 3.172 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV028650.D

Acq: 21 Oct 2022 10:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD005331

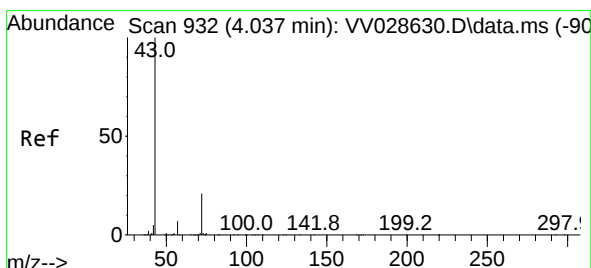
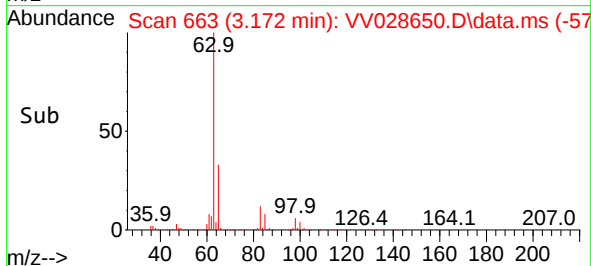
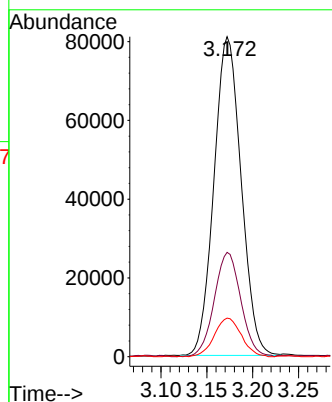
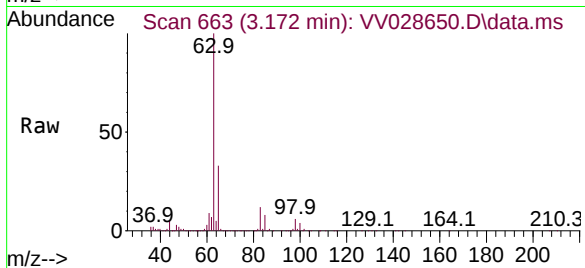
Tgt Ion: 63 Resp: 166560

Ion Ratio Lower Upper

63 100

65 32.6 23.1 42.9

83 12.1 7.9 14.7



#21

2-Butanone

Concen: 45.995 ug/L

RT: 4.031 min Scan# 930

Delta R.T. -0.006 min

Lab File: VV028650.D

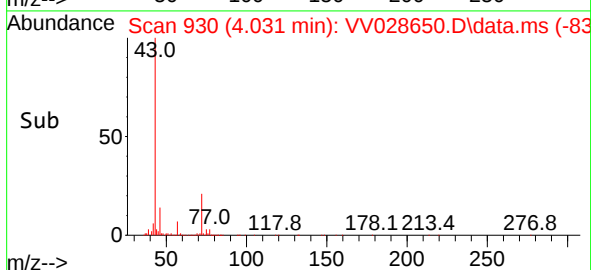
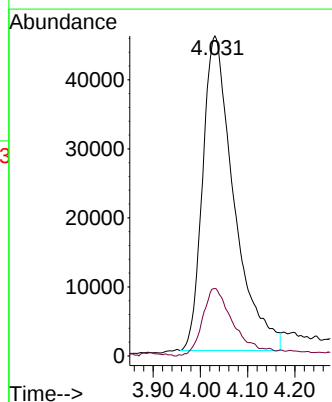
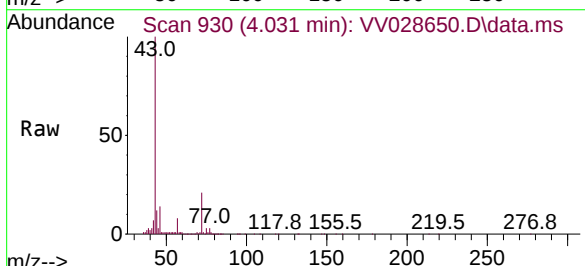
Acq: 21 Oct 2022 10:04

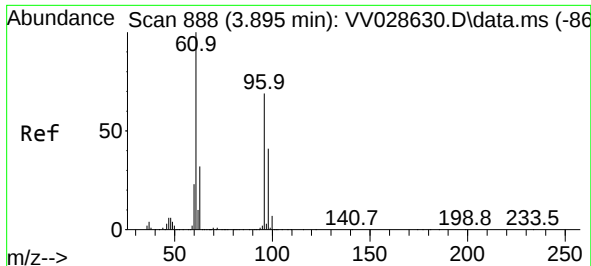
Tgt Ion: 43 Resp: 209646

Ion Ratio Lower Upper

43 100

72 20.8 10.2 30.4

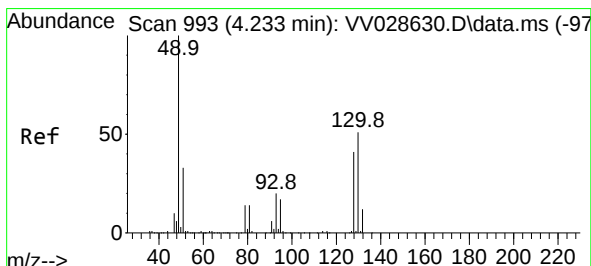
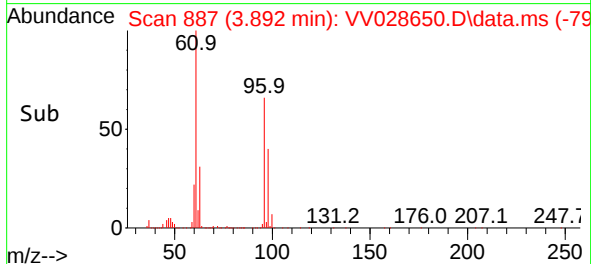
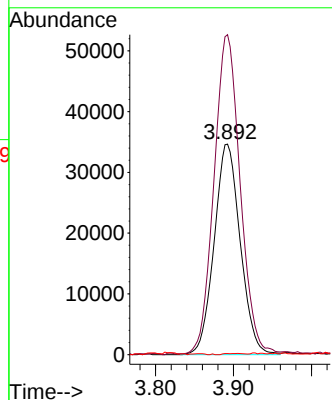
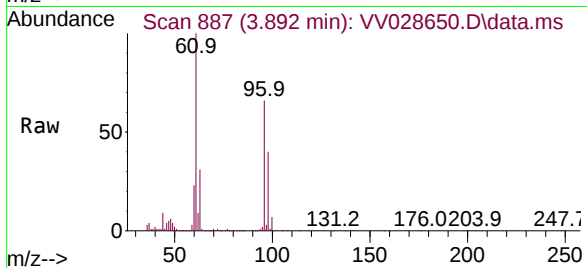




#22
 cis-1,2-Dichloroethene
 Concen: 4.610 ug/L
 RT: 3.892 min Scan# 888
 Delta R.T. -0.003 min
 Lab File: VV028650.D
 Acq: 21 Oct 2022 10:04

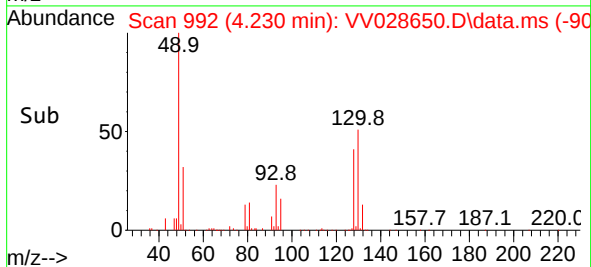
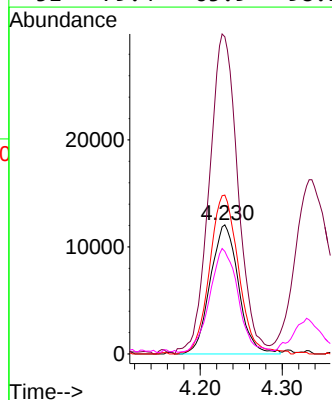
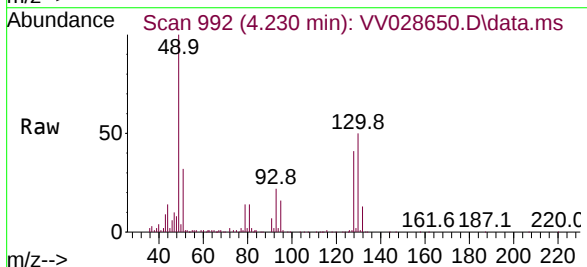
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005331

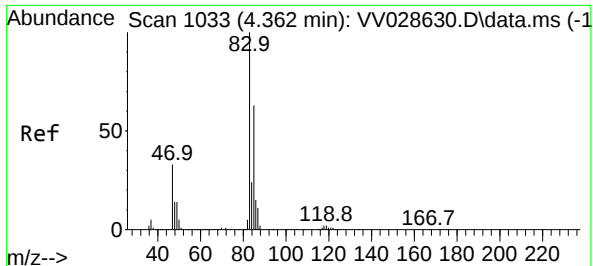
Tgt Ion: 96 Resp: 80489
 Ion Ratio Lower Upper
 96 100
 61 151.9 101.4 188.2
 68 0.5 0.5 0.9



#23
 Bromochloromethane
 Concen: 4.512 ug/L
 RT: 4.230 min Scan# 992
 Delta R.T. -0.003 min
 Lab File: VV028650.D
 Acq: 21 Oct 2022 10:04

Tgt Ion: 128 Resp: 28820
 Ion Ratio Lower Upper
 128 100
 49 245.5 171.1 317.7
 130 122.9 86.4 160.4
 51 79.4 65.9 98.9

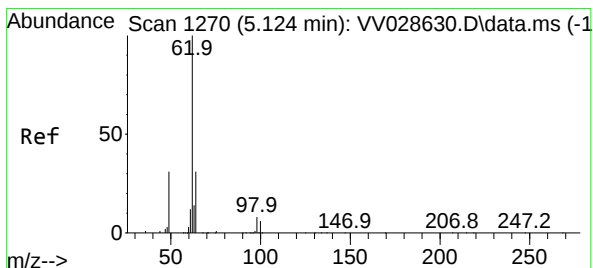
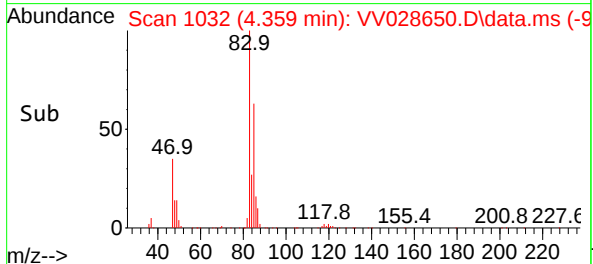
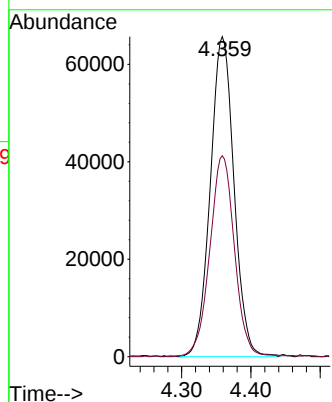
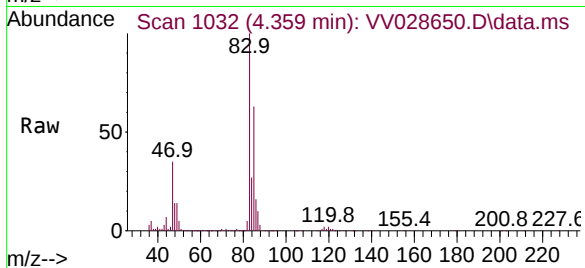




#25
Chloroform
Concen: 4.642 ug/L
RT: 4.359 min Scan# 1032
Delta R.T. -0.003 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

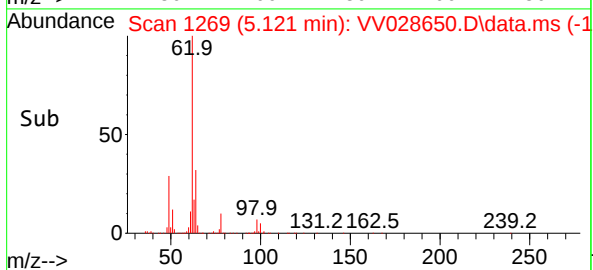
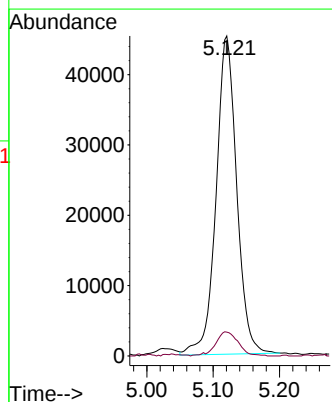
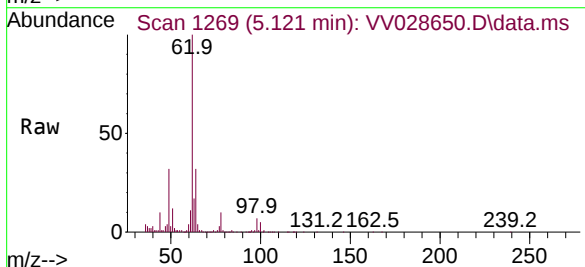
Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

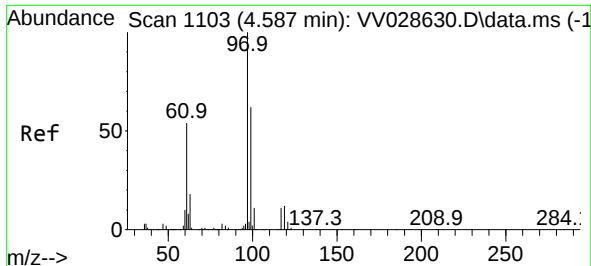
Tgt Ion: 83 Resp: 156115
Ion Ratio Lower Upper
83 100
85 62.8 44.1 81.9



#27
1,2-Dichloroethane
Concen: 4.648 ug/L
RT: 5.121 min Scan# 1269
Delta R.T. -0.003 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

Tgt Ion: 62 Resp: 97799
Ion Ratio Lower Upper
62 100
98 7.5 6.6 9.8





#29

1,1,1-Trichloroethane

Concen: 4.873 ug/L

RT: 4.584 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VV028650.D

Acq: 21 Oct 2022 10:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD005331

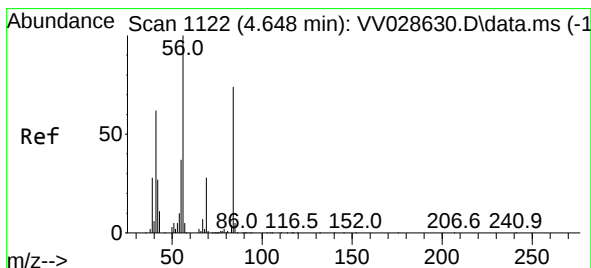
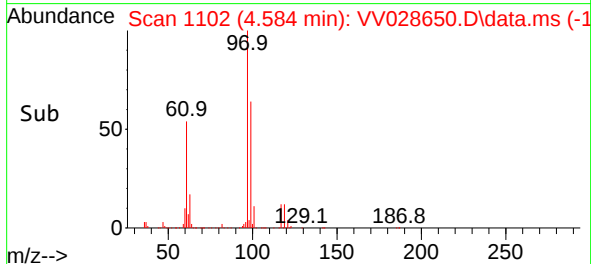
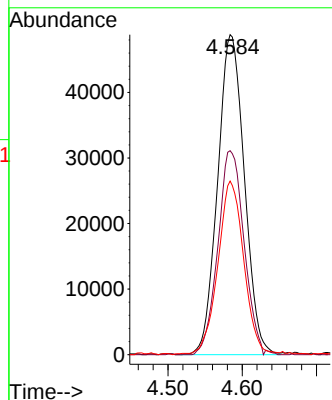
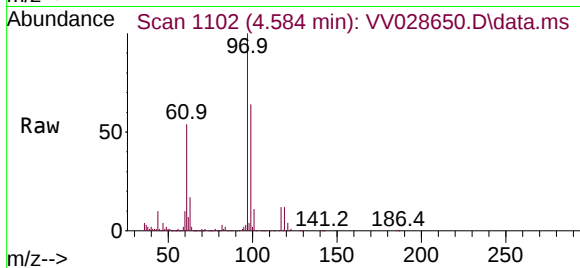
Tgt Ion: 97 Resp: 122198

Ion Ratio Lower Upper

97 100

99 62.4 50.5 75.7

61 52.6 43.1 64.7



#30

Cyclohexane

Concen: 5.051 ug/L

RT: 4.645 min Scan# 1121

Delta R.T. -0.003 min

Lab File: VV028650.D

Acq: 21 Oct 2022 10:04

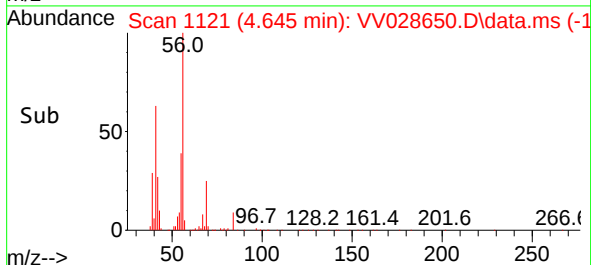
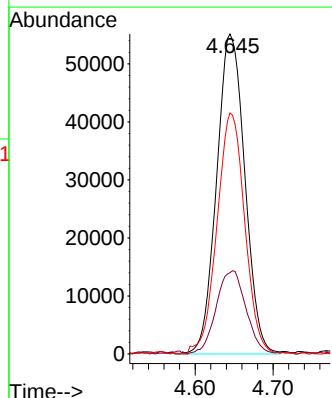
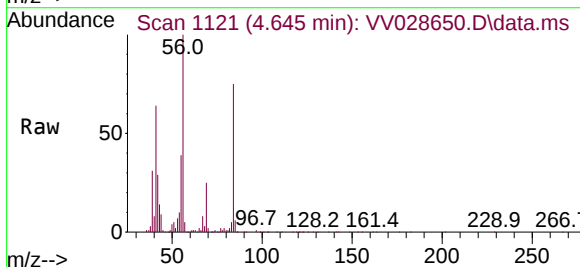
Tgt Ion: 56 Resp: 138783

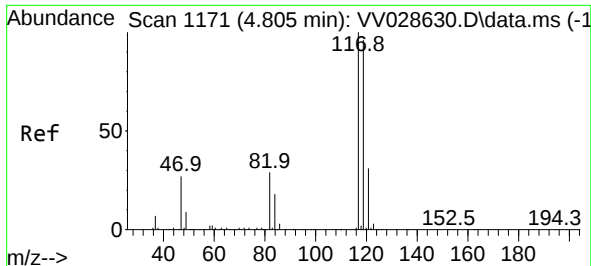
Ion Ratio Lower Upper

56 100

69 27.4 22.6 34.0

84 74.1 60.4 90.6

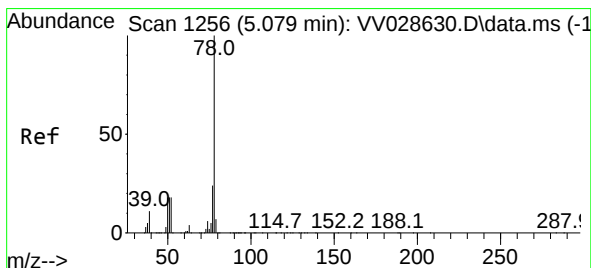
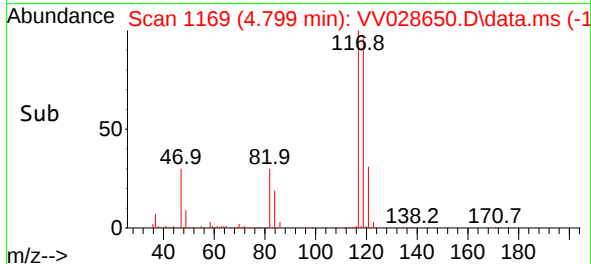
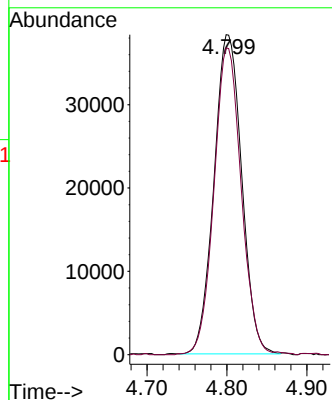
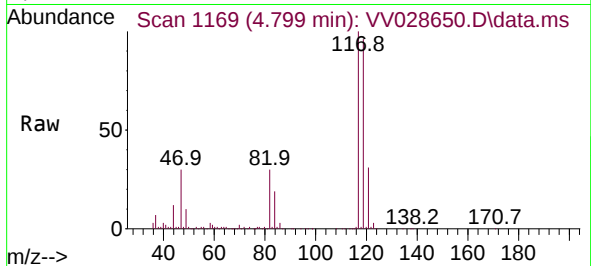




#31
Carbon tetrachloride
Concen: 4.975 ug/L
RT: 4.799 min Scan# 1169
Delta R.T. -0.006 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

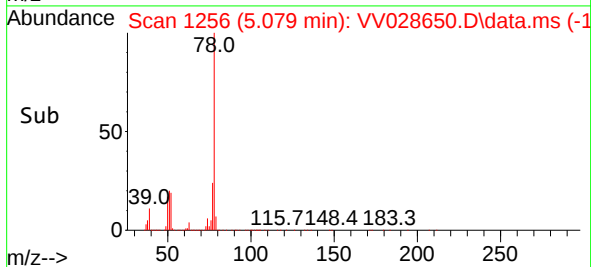
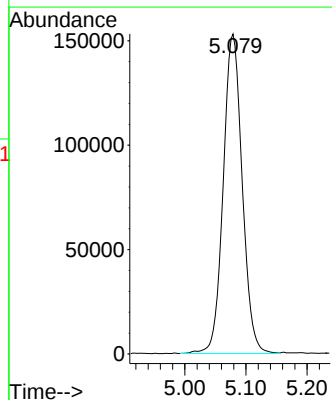
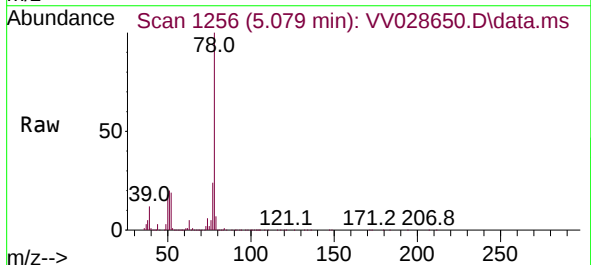
Instrument : MSVOA_V
ClientSampleId : VSTD005331

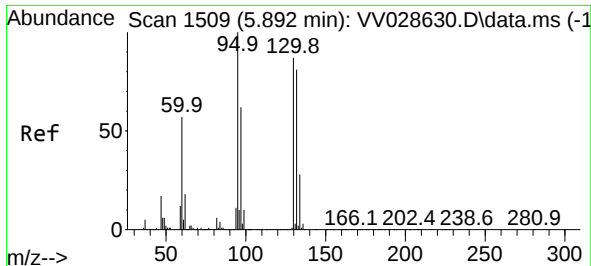
Tgt Ion:117 Resp: 92144
Ion Ratio Lower Upper
117 100
119 94.5 76.1 114.1



#33
Benzene
Concen: 4.829 ug/L
RT: 5.079 min Scan# 1256
Delta R.T. 0.000 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

Tgt Ion: 78 Resp: 329699

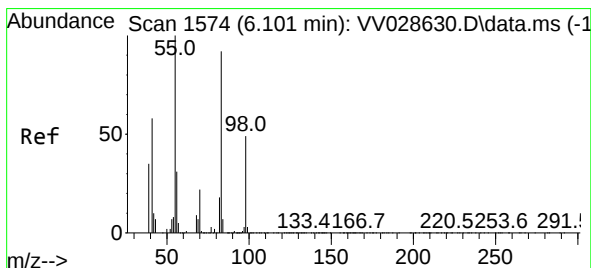
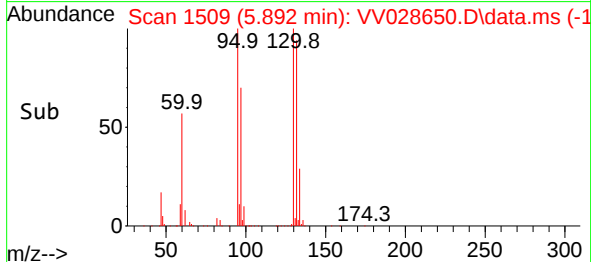
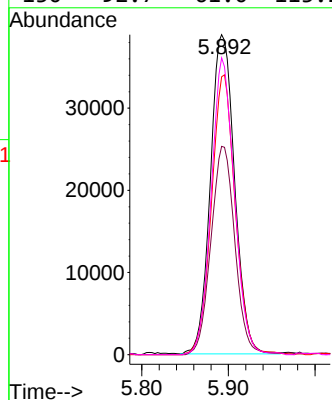
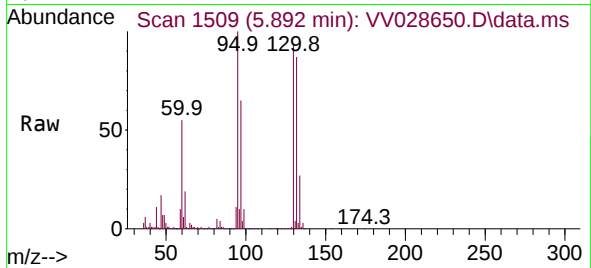




#34
Trichloroethene
Concen: 4.791 ug/L
RT: 5.892 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

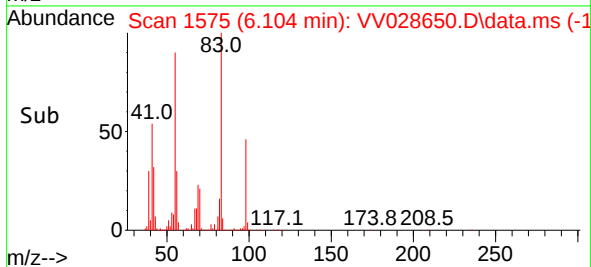
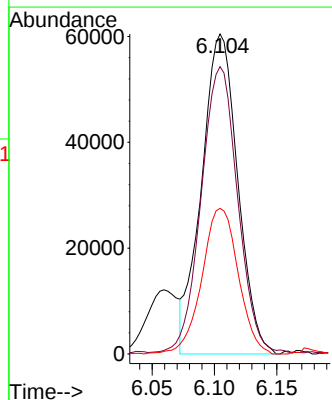
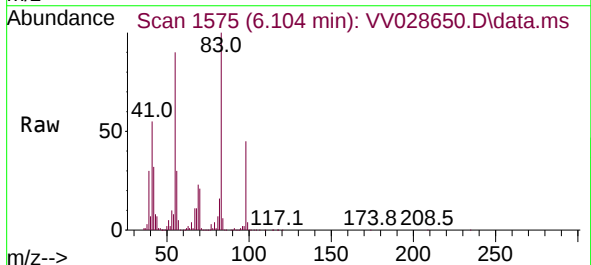
Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

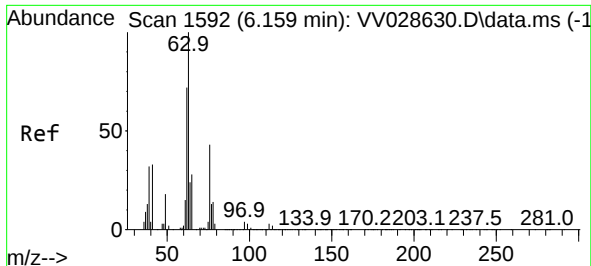
Tgt Ion:	95	Resp:	75496
Ion	Ratio	Lower	Upper
95	100		
97	65.1	43.5	80.9
132	86.8	56.5	104.9
130	92.7	61.0	113.2



#35
Methylcyclohexane
Concen: 4.945 ug/L
RT: 6.104 min Scan# 1575
Delta R.T. 0.003 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

Tgt Ion:	83	Resp:	122306
Ion	Ratio	Lower	Upper
83	100		
55	89.9	70.0	105.0
98	45.8	35.6	53.4





#37

1,2-Dichloropropane

Concen: 4.939 ug/L

RT: 6.162 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV028650.D

Acq: 21 Oct 2022 10:04

Instrument :

MSVOA_V

ClientSampleId :

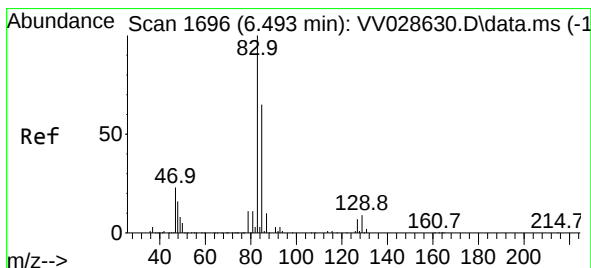
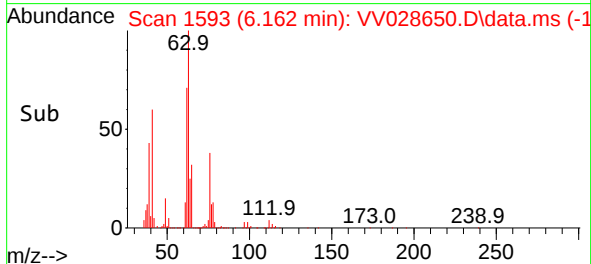
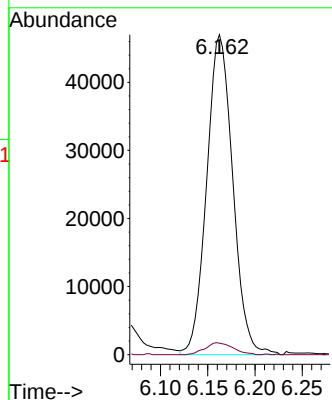
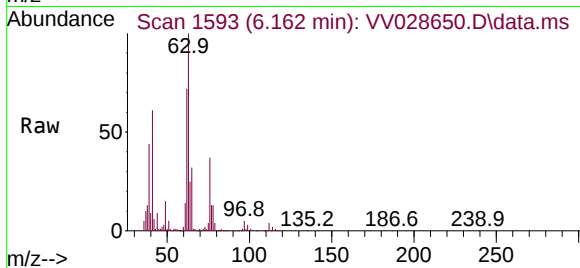
VSTD005331

Tgt Ion: 63 Resp: 90268

Ion Ratio Lower Upper

63 100

112 4.0 3.4 5.2



#38

Bromodichloromethane

Concen: 5.413 ug/L

RT: 6.497 min Scan# 1697

Delta R.T. 0.003 min

Lab File: VV028650.D

Acq: 21 Oct 2022 10:04

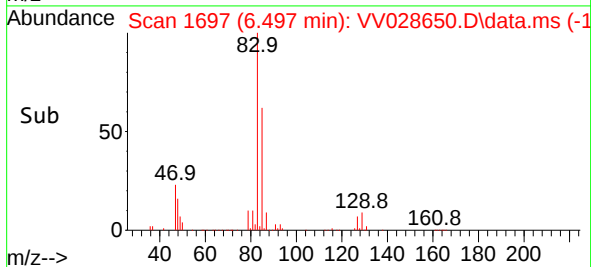
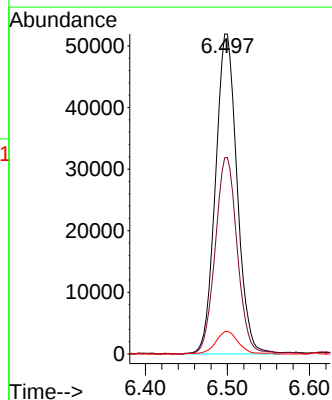
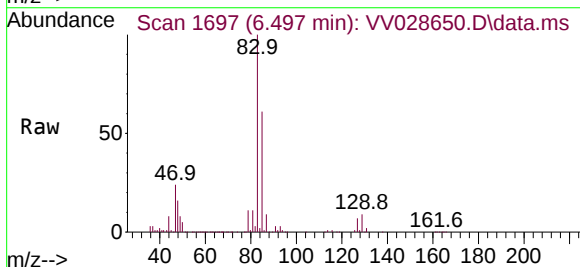
Tgt Ion: 83 Resp: 95009

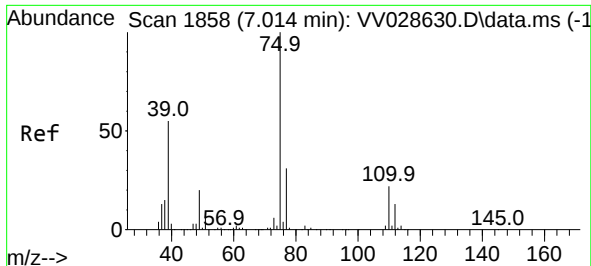
Ion Ratio Lower Upper

83 100

85 61.3 45.1 83.9

127 7.0 5.7 8.5





#39

cis-1,3-Dichloropropene

Concen: 5.427 ug/L

RT: 7.018 min Scan# 1858

Delta R.T. 0.003 min

Lab File: VV028650.D

Acq: 21 Oct 2022 10:04

Instrument :

MSVOA_V

ClientSampleId :

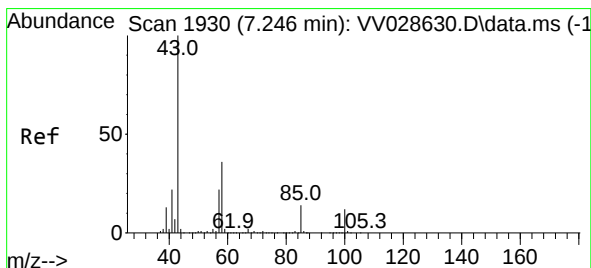
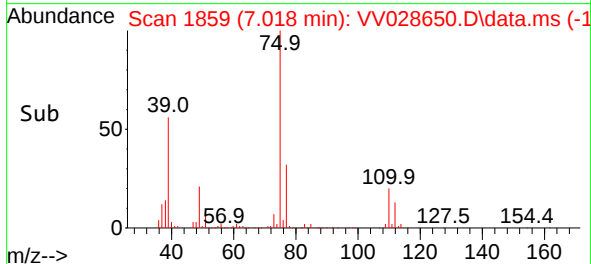
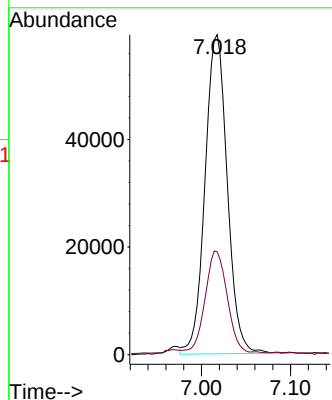
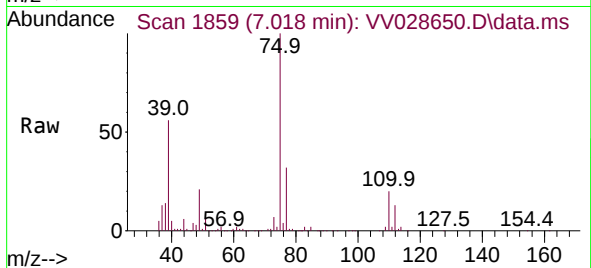
VSTD005331

Tgt Ion: 75 Resp: 102706

Ion Ratio Lower Upper

75 100

77 32.1 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 55.403 ug/L

RT: 7.246 min Scan# 1930

Delta R.T. 0.000 min

Lab File: VV028650.D

Acq: 21 Oct 2022 10:04

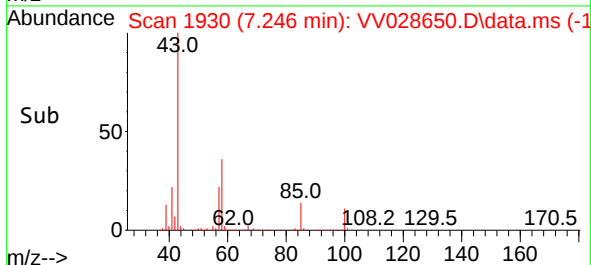
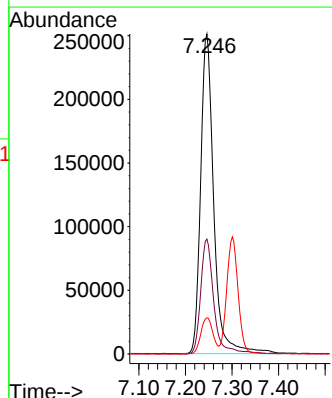
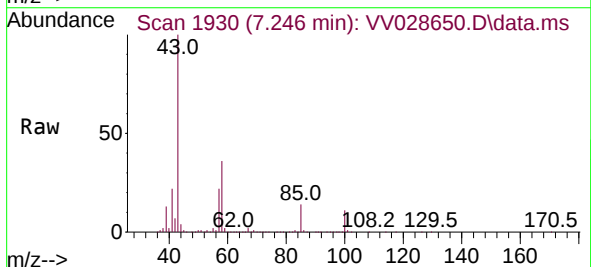
Tgt Ion: 43 Resp: 490314

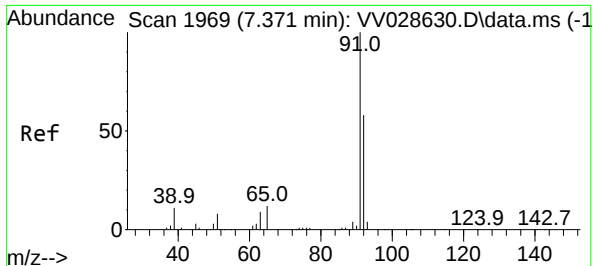
Ion Ratio Lower Upper

43 100

58 36.2 29.6 44.4

100 10.6 9.4 14.0





#42

Toluene

Concen: 4.618 ug/L

RT: 7.374 min Scan# 1969

Delta R.T. 0.003 min

Lab File: VV028650.D

Acq: 21 Oct 2022 10:04

Instrument :

MSVOA_V

ClientSampleId :

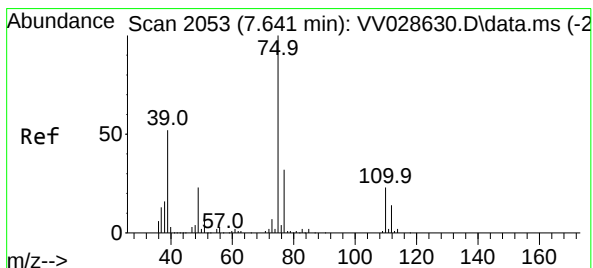
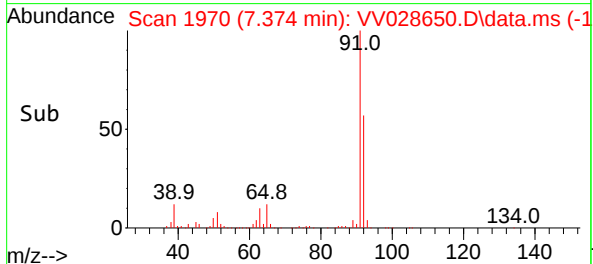
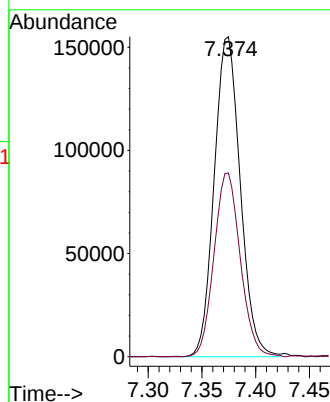
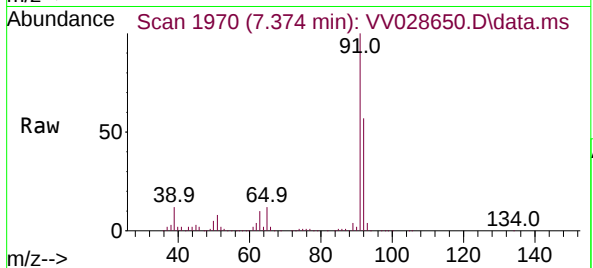
VSTD005331

Tgt Ion: 91 Resp: 261145

Ion Ratio Lower Upper

91 100

92 57.4 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 4.167 ug/L

RT: 7.645 min Scan# 2054

Delta R.T. 0.003 min

Lab File: VV028650.D

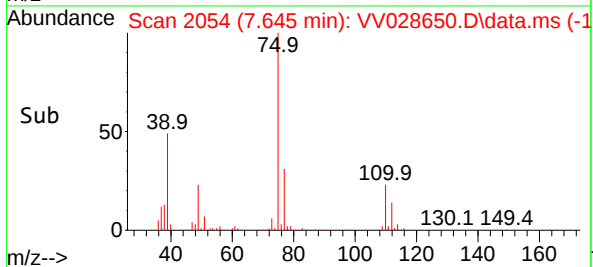
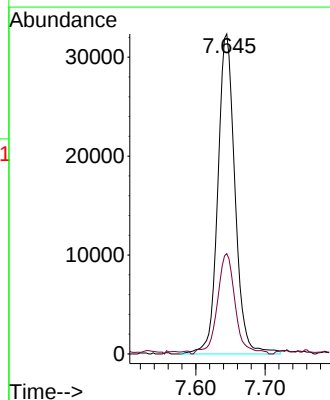
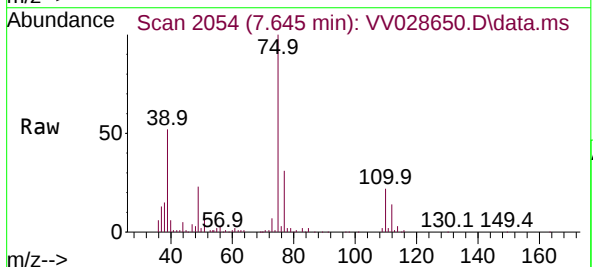
Acq: 21 Oct 2022 10:04

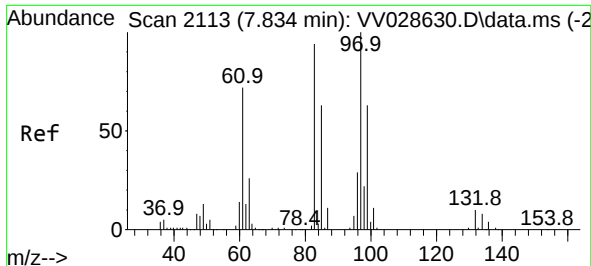
Tgt Ion: 75 Resp: 55737

Ion Ratio Lower Upper

75 100

77 31.4 22.6 42.0

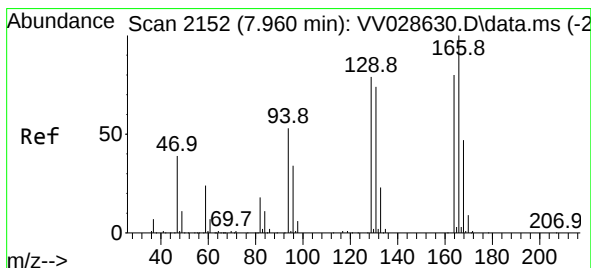
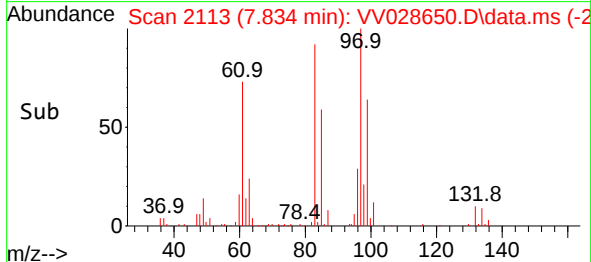
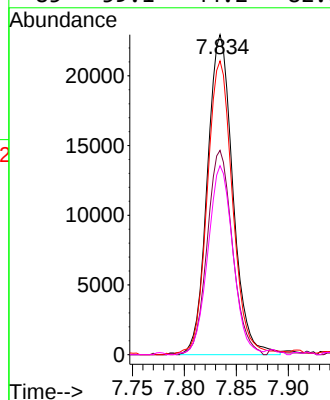
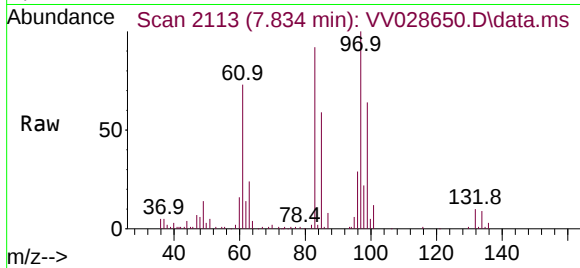




#45
1,1,2-Trichloroethane
Concen: 4.549 ug/L
RT: 7.834 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

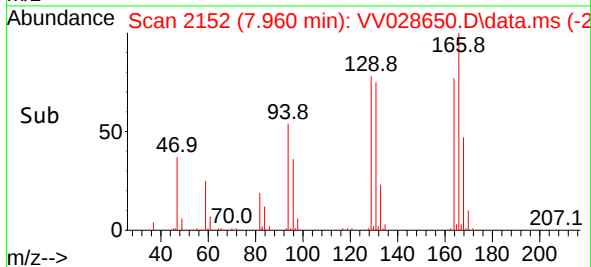
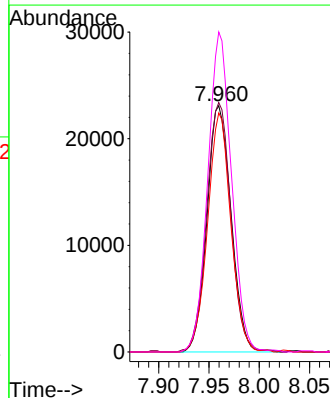
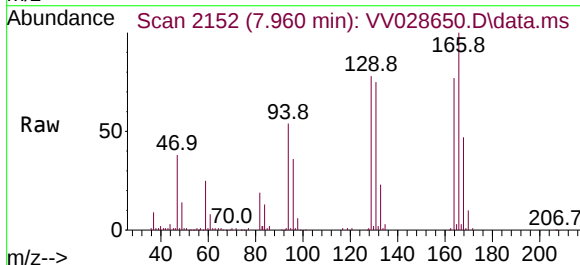
Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

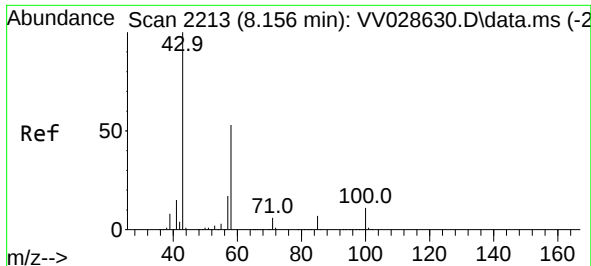
Tgt Ion:	97	Resp:	39186
Ion	Ratio	Lower	Upper
97	100		
99	63.9	44.0	81.6
83	91.8	66.2	123.0
85	59.1	44.2	82.0



#47
Tetrachloroethene
Concen: 4.531 ug/L
RT: 7.960 min Scan# 2152
Delta R.T. 0.000 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

Tgt Ion:	164	Resp:	38557
Ion	Ratio	Lower	Upper
164	100		
129	101.3	69.2	128.6
131	97.1	64.2	119.2
166	130.0	87.3	162.1

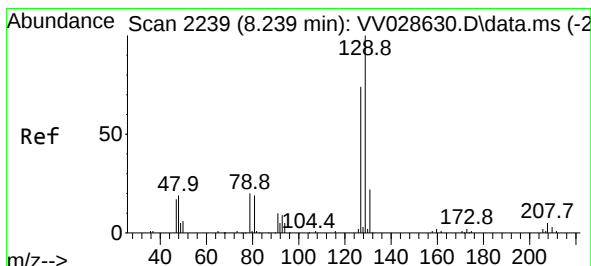
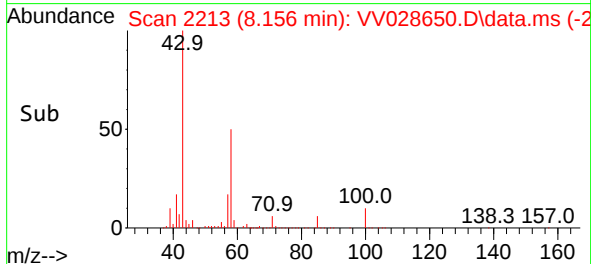
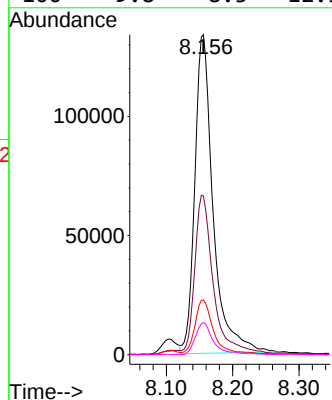
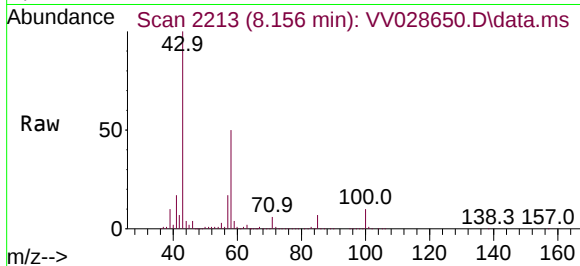




#48
2-Hexanone
Concen: 46.401 ug/L
RT: 8.156 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

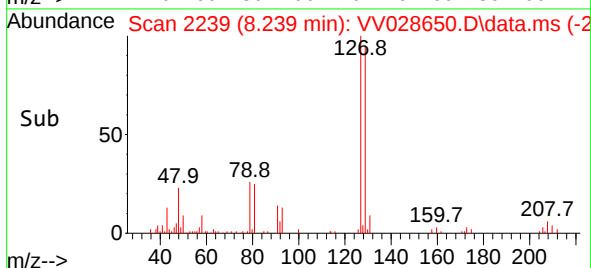
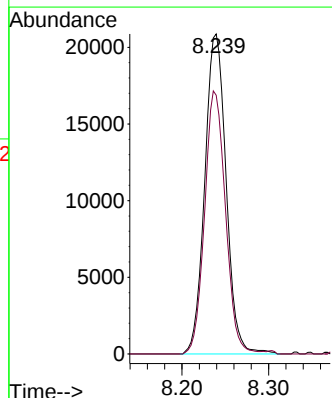
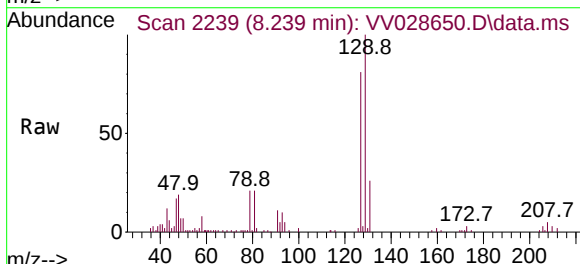
Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

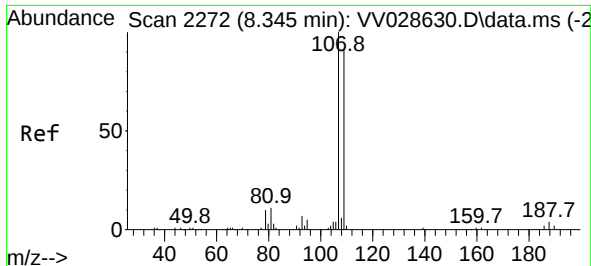
Tgt Ion: 43 Resp: 257223
Ion Ratio Lower Upper
43 100
58 50.0 40.6 60.8
57 17.3 13.8 20.8
100 9.8 8.3 12.5



#49
Dibromochloromethane
Concen: 4.474 ug/L
RT: 8.239 min Scan# 2239
Delta R.T. 0.000 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

Tgt Ion: 129 Resp: 35725
Ion Ratio Lower Upper
129 100
127 80.9 51.6 95.8

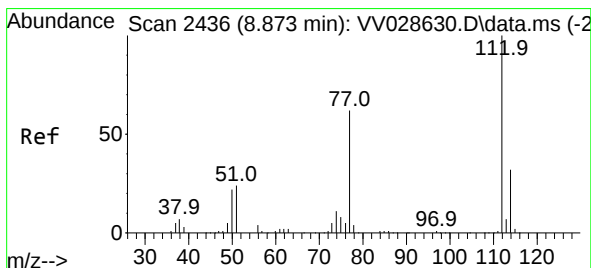
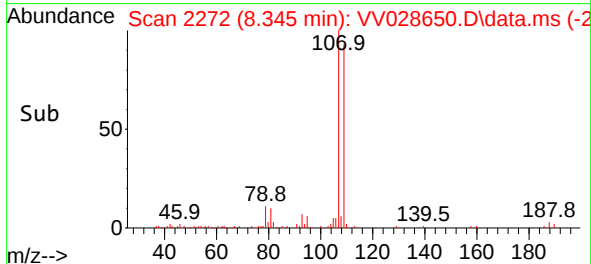
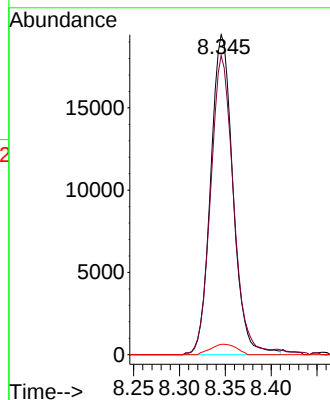
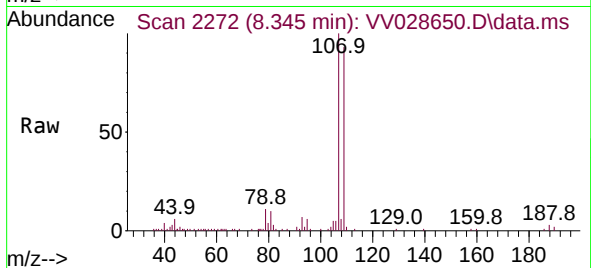




#50
1,2-Dibromoethane
Concen: 4.462 ug/L
RT: 8.345 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

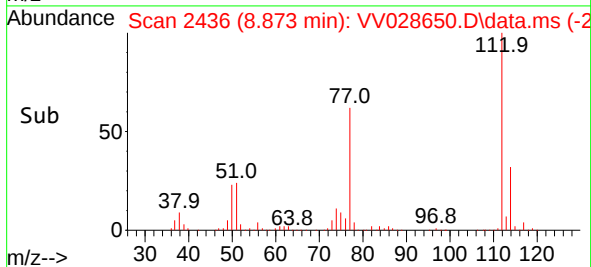
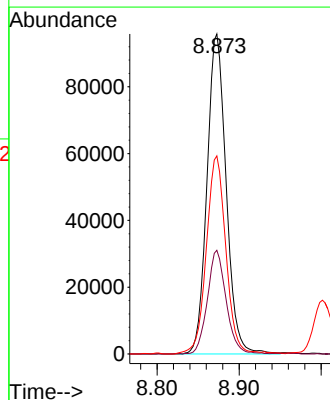
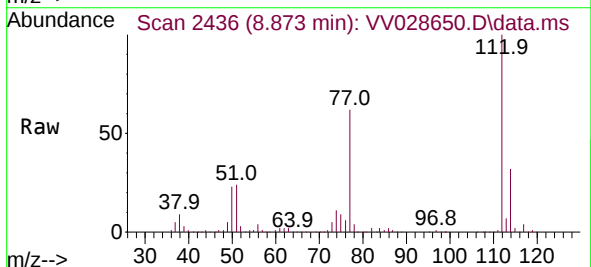
Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

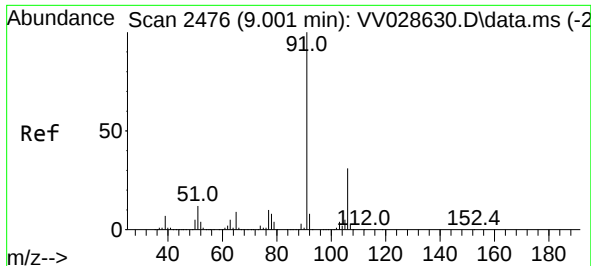
Tgt Ion:107 Resp: 32911
Ion Ratio Lower Upper
107 100
109 93.5 64.0 118.8
188 3.2 2.9 4.3



#51
Chlorobenzene
Concen: 4.710 ug/L
RT: 8.873 min Scan# 2436
Delta R.T. 0.000 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

Tgt Ion:112 Resp: 155715
Ion Ratio Lower Upper
112 100
114 32.4 22.0 41.0
77 61.9 50.0 75.0

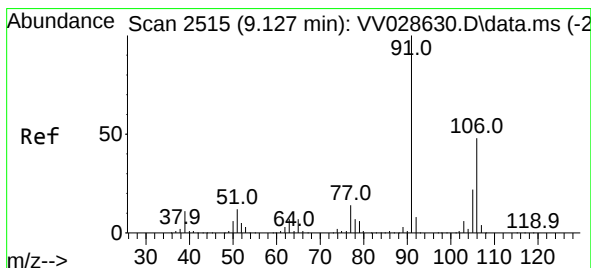
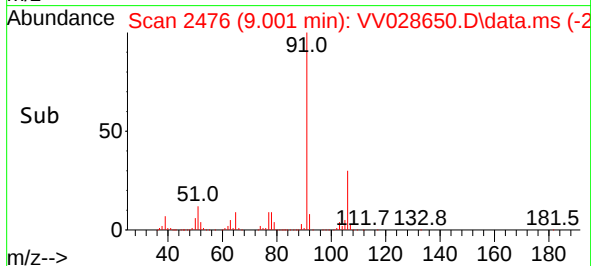
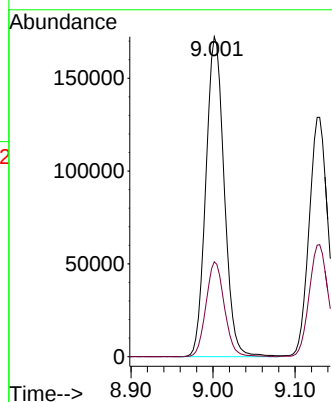
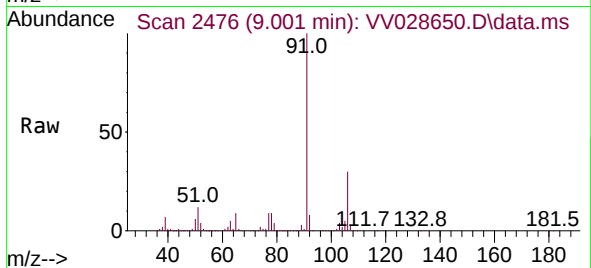




#52
Ethylbenzene
Concen: 4.591 ug/L
RT: 9.001 min Scan# 2476
Delta R.T. 0.000 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

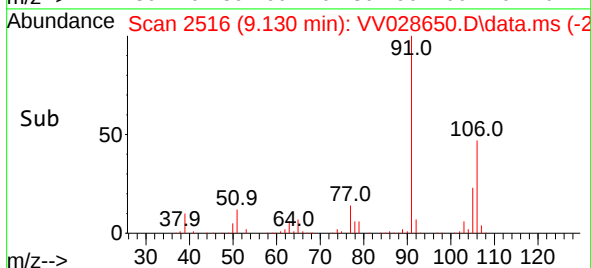
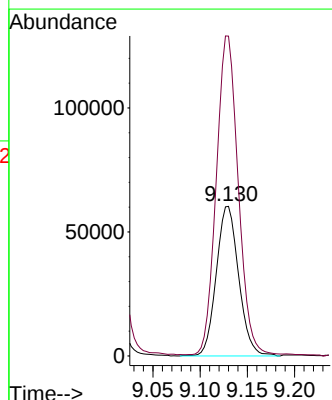
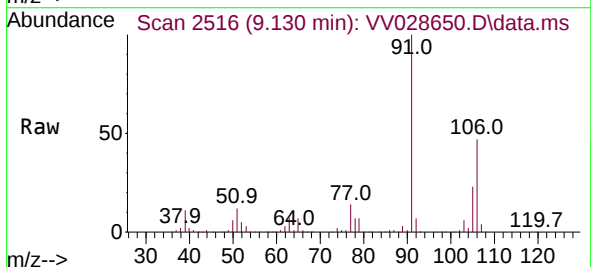
Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

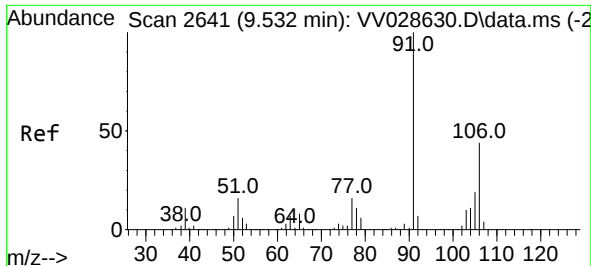
Tgt Ion: 91 Resp: 268369
Ion Ratio Lower Upper
91 100
106 29.6 21.3 39.6



#53
m,p-Xylene
Concen: 4.657 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

Tgt Ion: 106 Resp: 99473
Ion Ratio Lower Upper
106 100
91 213.7 145.5 270.1

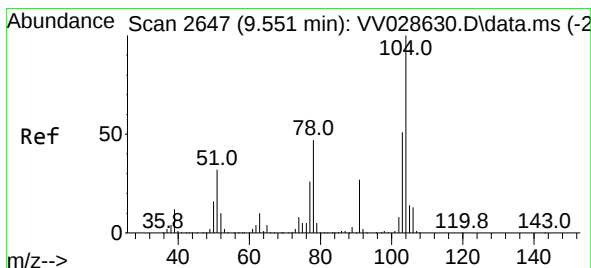
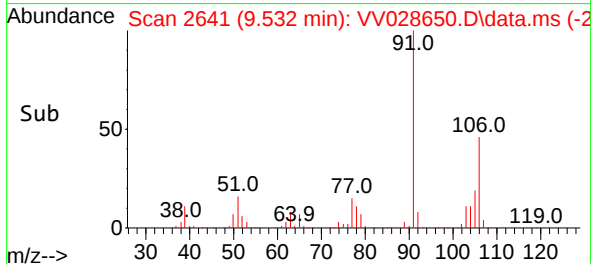
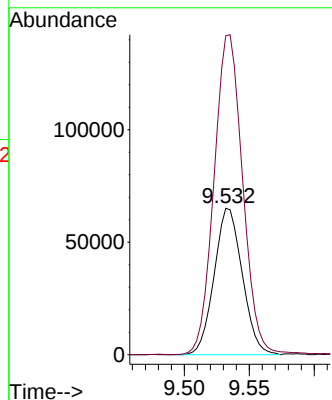
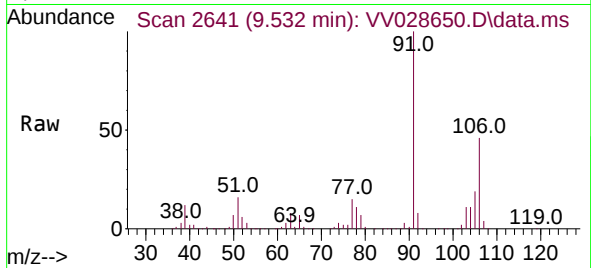




#54
o-Xylene
Concen: 4.618 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. 0.000 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

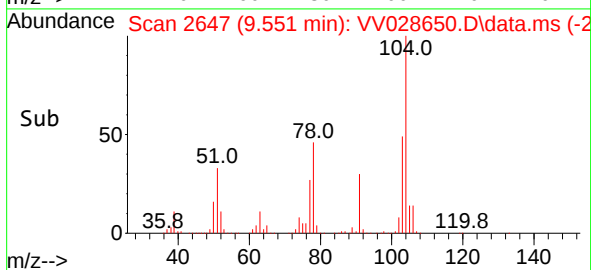
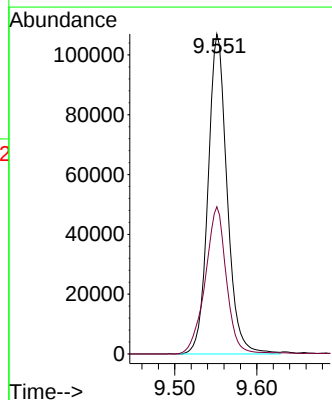
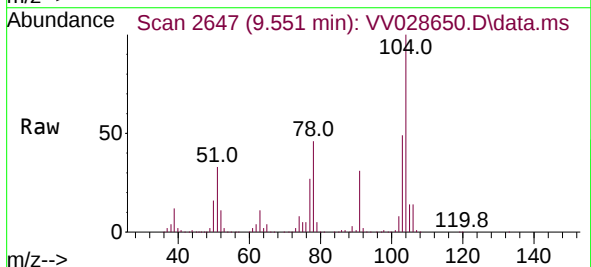
Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

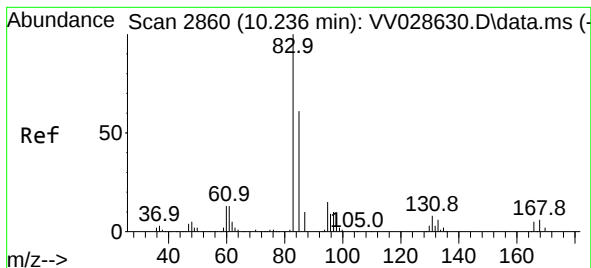
Tgt Ion:106 Resp: 97824
Ion Ratio Lower Upper
106 100
91 217.8 159.0 295.4



#55
Styrene
Concen: 4.790 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.000 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

Tgt Ion:104 Resp: 173019
Ion Ratio Lower Upper
104 100
78 46.0 32.8 61.0

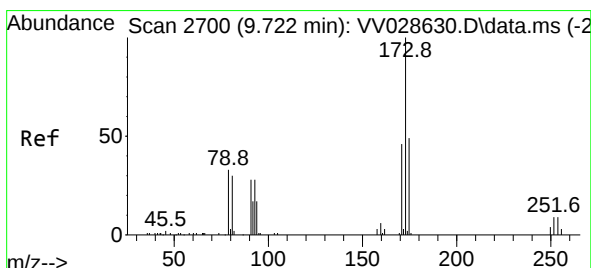
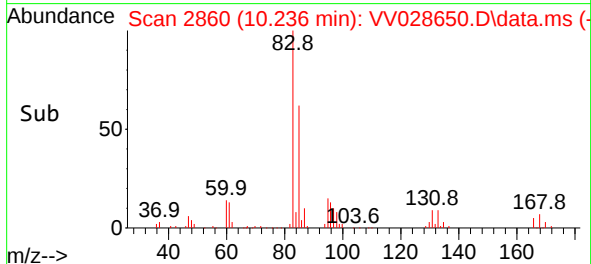
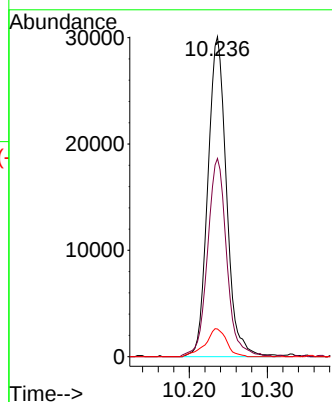
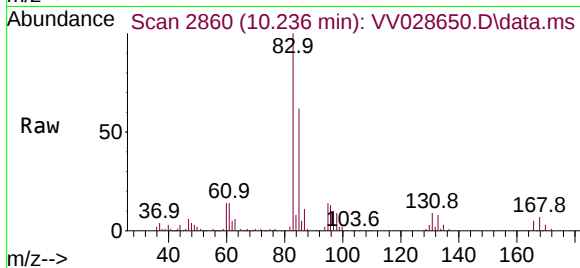




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.934 ug/L
 RT: 10.236 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV028650.D
 Acq: 21 Oct 2022 10:04

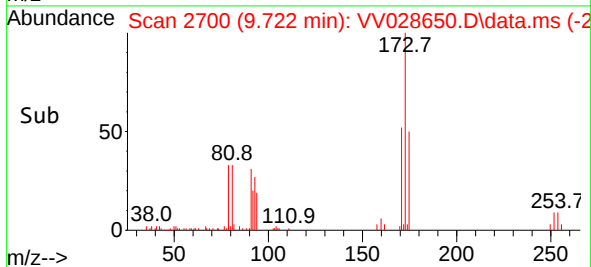
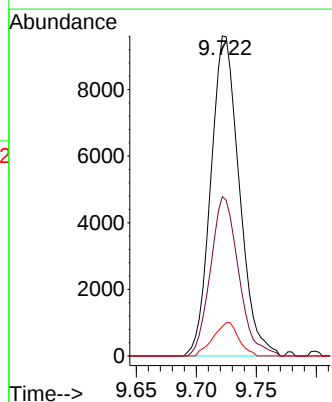
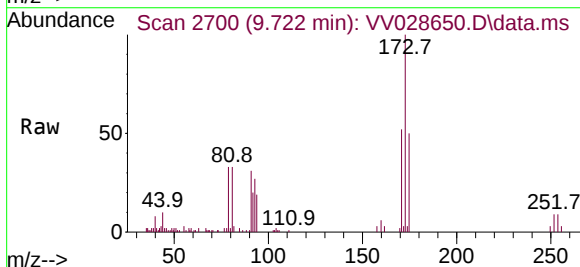
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005331

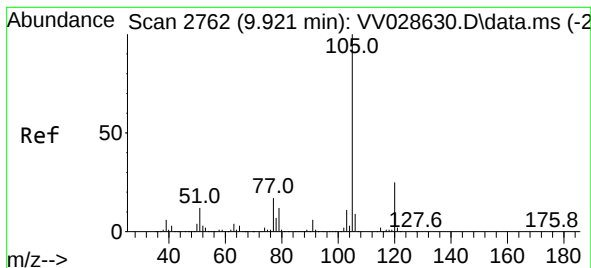
Tgt Ion: 83 Resp: 50048
 Ion Ratio Lower Upper
 83 100
 85 62.0 43.0 80.0
 131 8.7 6.5 9.7



#59
 Bromoform
 Concen: 4.373 ug/L
 RT: 9.722 min Scan# 2700
 Delta R.T. 0.000 min
 Lab File: VV028650.D
 Acq: 21 Oct 2022 10:04

Tgt Ion: 173 Resp: 15860
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.8 59.8
 254 9.3 7.3 10.9





#60

Isopropylbenzene

Concen: 4.468 ug/L

RT: 9.921 min Scan# 2762

Delta R.T. 0.000 min

Lab File: VV028650.D

Acq: 21 Oct 2022 10:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD005331

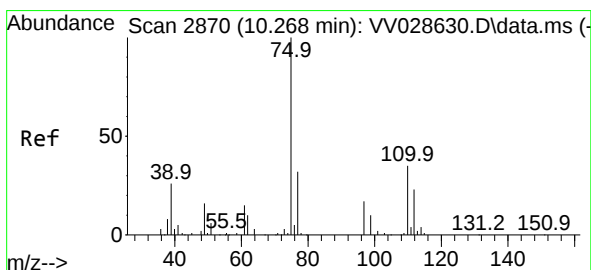
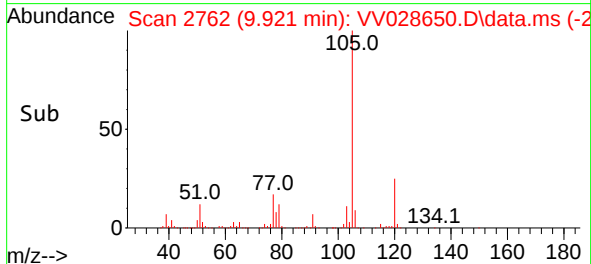
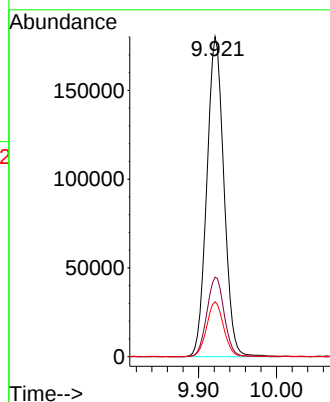
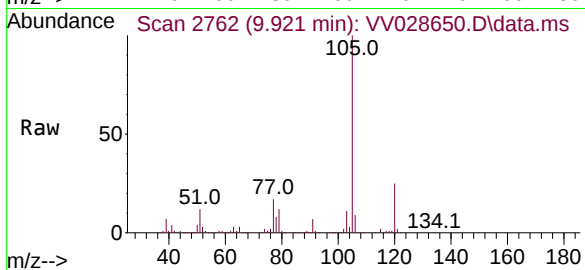
Tgt Ion:105 Resp: 274263

Ion Ratio Lower Upper

105 100

120 25.3 20.1 30.1

77 17.2 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 4.304 ug/L

RT: 10.268 min Scan# 2870

Delta R.T. 0.000 min

Lab File: VV028650.D

Acq: 21 Oct 2022 10:04

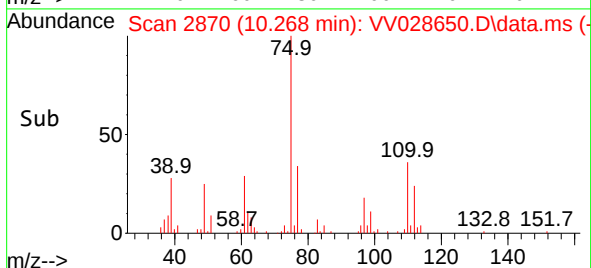
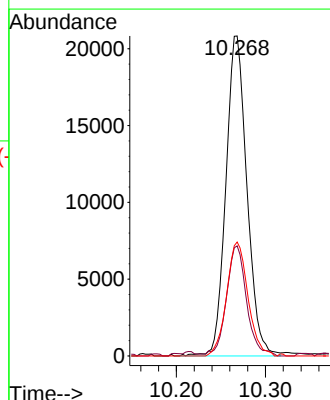
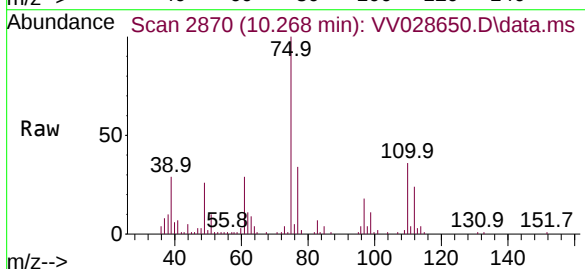
Tgt Ion: 75 Resp: 34258

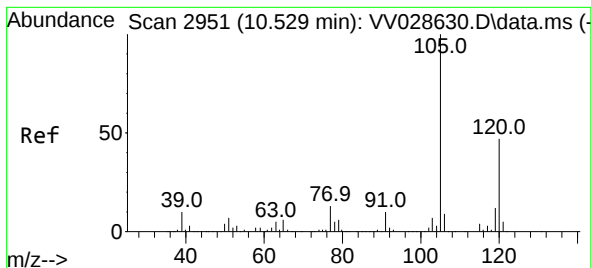
Ion Ratio Lower Upper

75 100

77 32.9 25.2 37.8

110 36.1 27.9 41.9

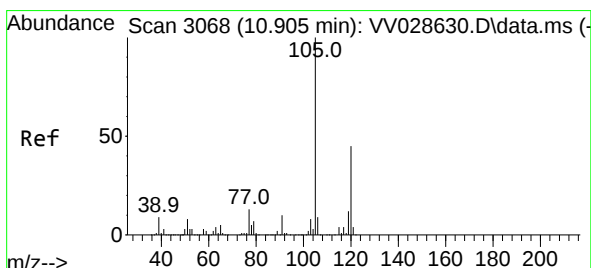
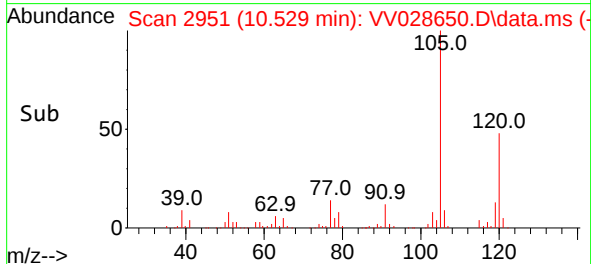
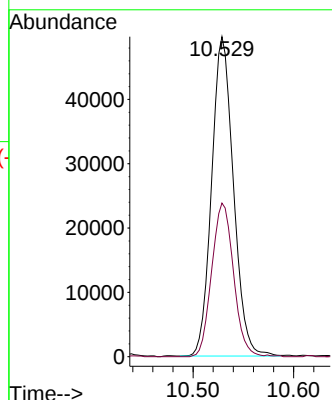
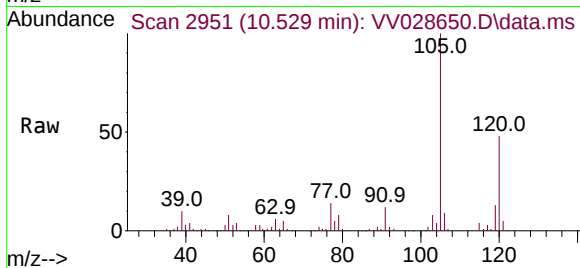




#62
 1,3,5-Trimethylbenzene
 Concen: 4.241 ug/L
 RT: 10.529 min Scan# 2951
 Delta R.T. 0.000 min
 Lab File: VV028650.D
 Acq: 21 Oct 2022 10:04

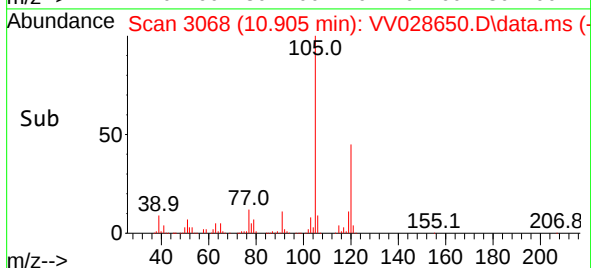
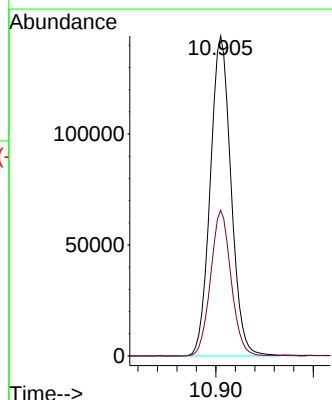
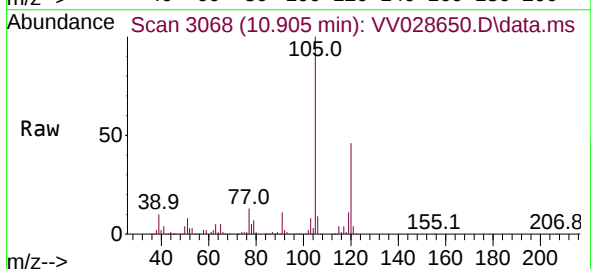
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005331

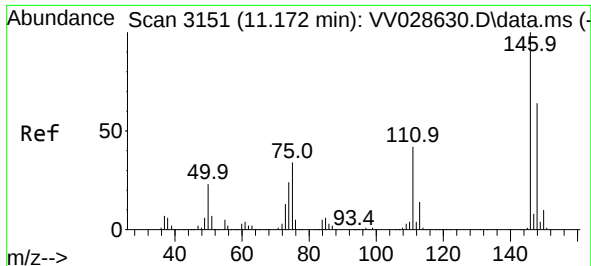
Tgt Ion:105 Resp: 74772
 Ion Ratio Lower Upper
 105 100
 120 48.0 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 4.498 ug/L
 RT: 10.905 min Scan# 3068
 Delta R.T. 0.000 min
 Lab File: VV028650.D
 Acq: 21 Oct 2022 10:04

Tgt Ion:105 Resp: 213528
 Ion Ratio Lower Upper
 105 100
 120 44.9 36.2 54.2

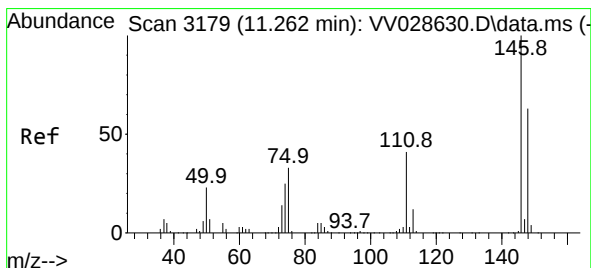
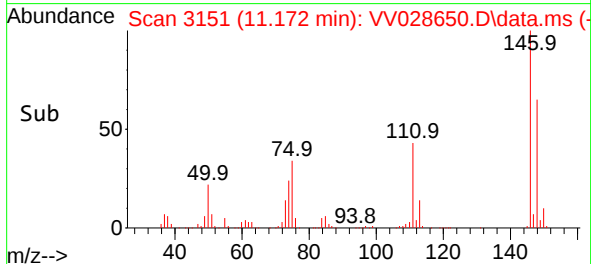
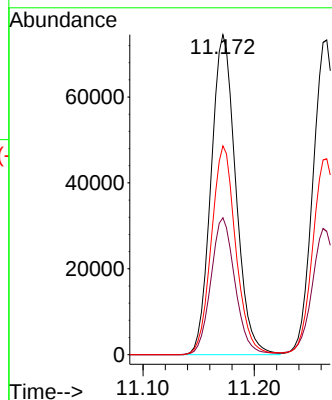
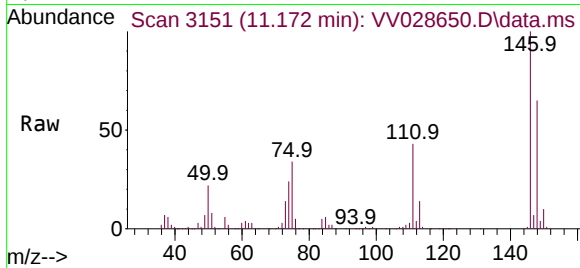




#64
1,3-Dichlorobenzene
Concen: 4.732 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

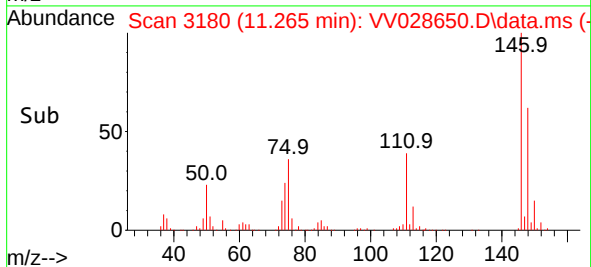
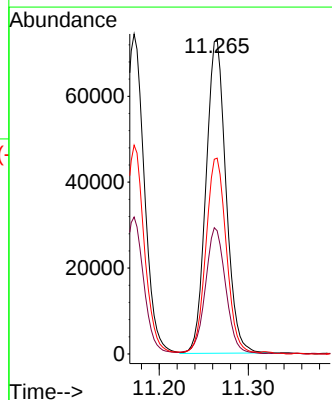
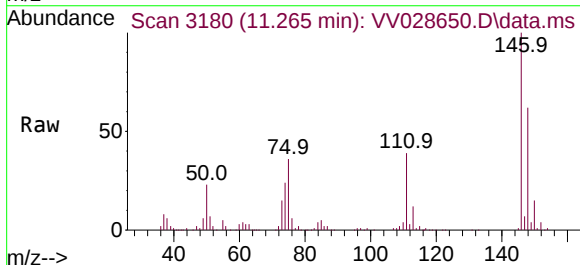
Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

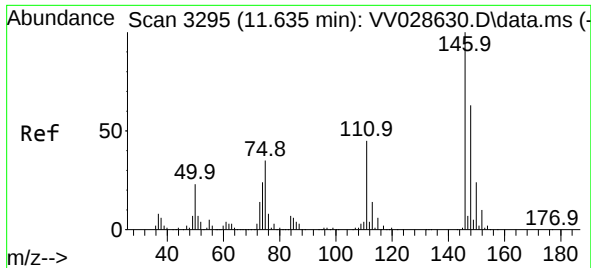
Tgt Ion:146 Resp: 114953
Ion Ratio Lower Upper
146 100
111 42.8 29.0 53.9
148 65.2 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 4.633 ug/L
RT: 11.265 min Scan# 3180
Delta R.T. 0.003 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

Tgt Ion:146 Resp: 113664
Ion Ratio Lower Upper
146 100
111 39.1 28.6 53.2
148 62.2 44.3 82.3

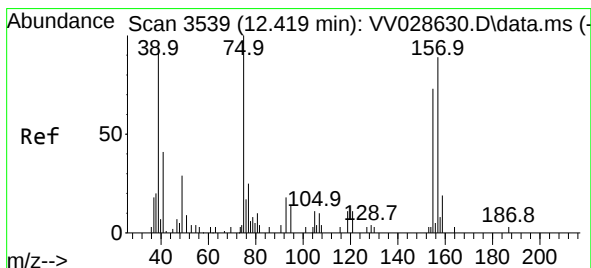
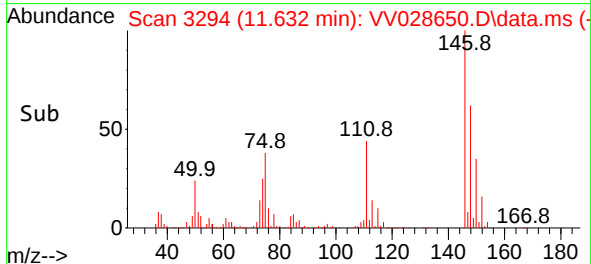
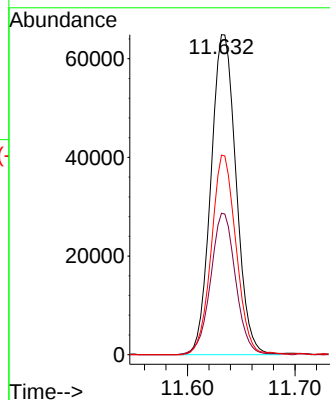
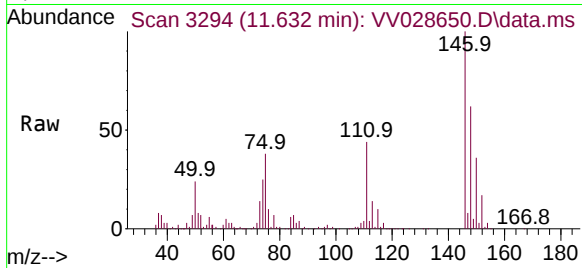




#67
1,2-Dichlorobenzene
Concen: 4.671 ug/L
RT: 11.632 min Scan# 3111
Delta R.T. -0.003 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

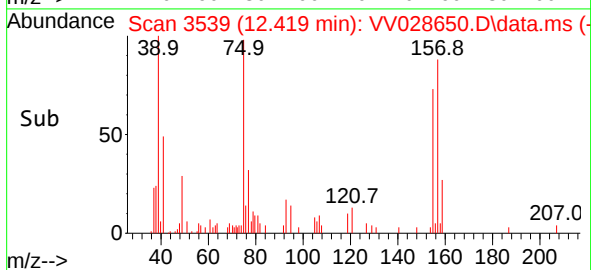
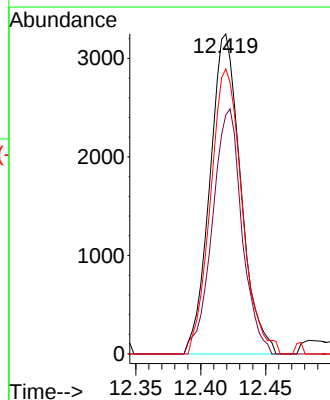
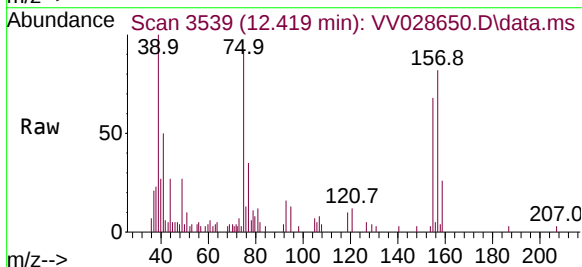
Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

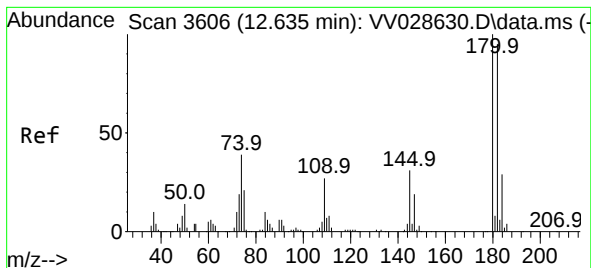
Tgt Ion:146 Resp: 105536
Ion Ratio Lower Upper
146 100
111 44.2 36.2 54.4
148 62.3 50.6 75.8



#68
1,2-Dibromo-3-chloropropane
Concen: 3.846 ug/L
RT: 12.419 min Scan# 3539
Delta R.T. 0.000 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

Tgt Ion: 75 Resp: 5366
Ion Ratio Lower Upper
75 100
155 74.7 58.2 87.2
157 89.1 71.5 107.3





#69

1,3,5-Trichlorobenzene

Concen: 4.781 ug/L

RT: 12.635 min Scan# 3606

Delta R.T. 0.000 min

Lab File: VV028650.D

Acq: 21 Oct 2022 10:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD005331

Tgt Ion:180 Resp: 82723

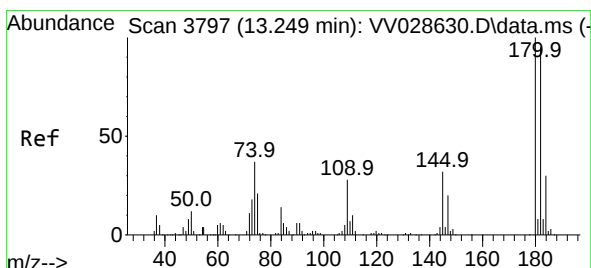
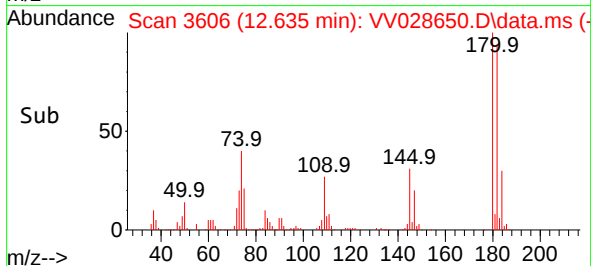
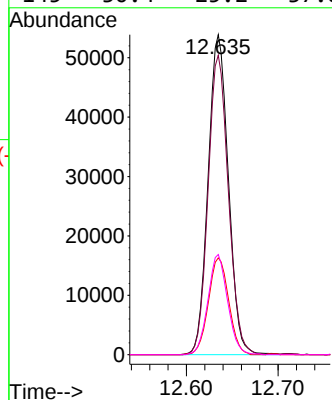
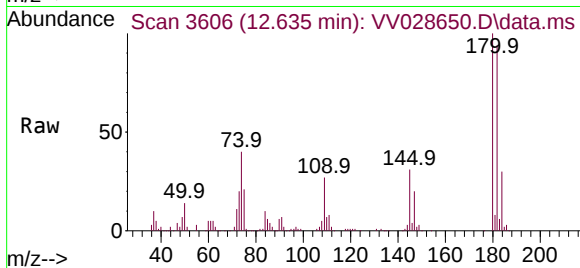
Ion Ratio Lower Upper

180 100

182 93.7 76.6 114.8

184 30.3 24.3 36.5

145 30.4 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 4.593 ug/L

RT: 13.252 min Scan# 3798

Delta R.T. 0.003 min

Lab File: VV028650.D

Acq: 21 Oct 2022 10:04

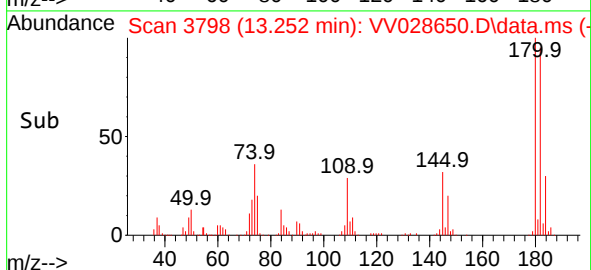
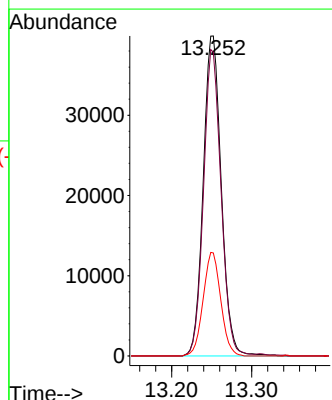
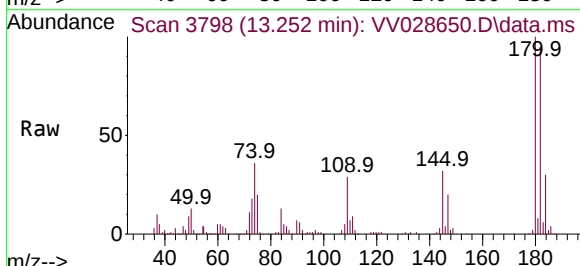
Tgt Ion:180 Resp: 62618

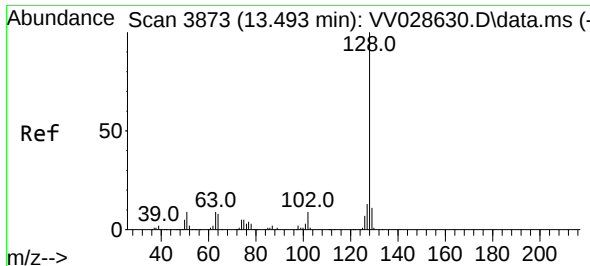
Ion Ratio Lower Upper

180 100

182 93.0 74.7 112.1

145 31.6 25.5 38.3

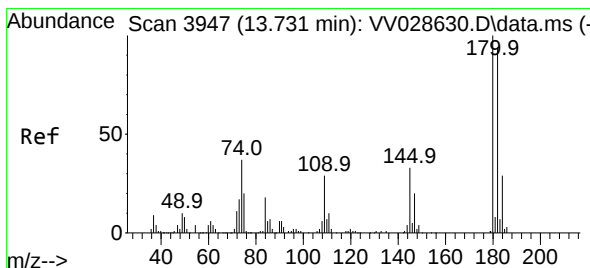
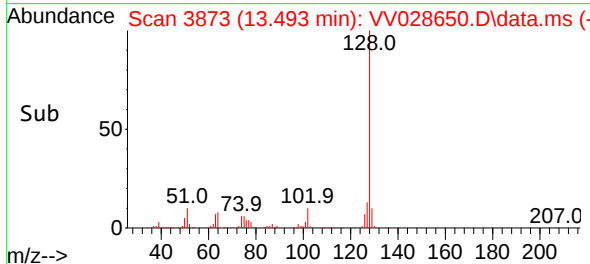
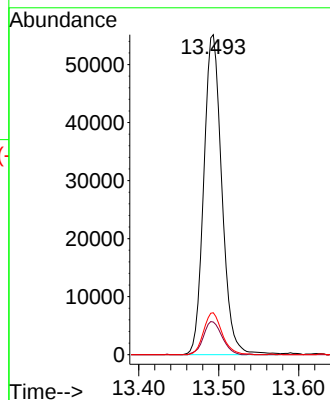
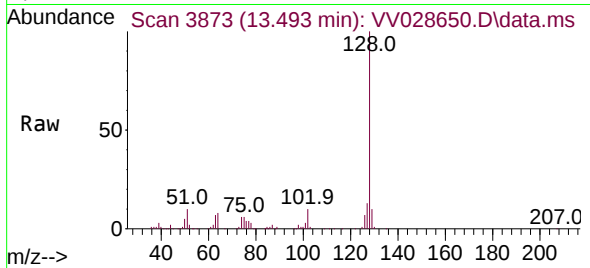




#71
Naphthalene
Concen: 3.762 ug/L
RT: 13.493 min Scan# 3873
Delta R.T. 0.000 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD005331

Tgt Ion:128 Resp: 86725
Ion Ratio Lower Upper
128 100
129 10.7 8.9 13.3
127 13.5 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.624 ug/L
RT: 13.734 min Scan# 3948
Delta R.T. 0.003 min
Lab File: VV028650.D
Acq: 21 Oct 2022 10:04

Tgt Ion:180 Resp: 55088
Ion Ratio Lower Upper
180 100
182 93.9 73.4 110.0
145 33.2 26.3 39.5

