

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110322\
 Data File : VV028846.D
 Acq On : 03 Nov 2022 11:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050370

Quant Time: Nov 04 04:38:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 02 05:10:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	425354	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	400228	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	203792	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	144031	35.720	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.440%
7) Chloroethane-d5	1.561	69	129739	37.638	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.280%
11) 1,1-Dichloroethene-d2	2.105	63	305255	39.797	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.600%
21) 2-Butanone-d5	3.863	46	272498	92.837	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.840%
24) Chloroform-d	4.336	84	258798	42.555	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.100%
26) 1,2-Dichloroethane-d4	5.021	65	170092	42.290	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.580%
32) Benzene-d6	5.040	84	491209	39.315	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.620%
36) 1,2-Dichloropropane-d6	6.059	67	178479	41.609	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.220%
41) Toluene-d8	7.307	98	426464	38.827	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.660%#
43) trans-1,3-Dichloroprop...	7.612	79	69890	42.423	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.840%
47) 2-Hexanone-d5	8.079	63	172829	89.159	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.160%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	249814	44.166	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.340%
66) 1,2-Dichlorobenzene-d4	11.612	152	163887	40.741	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	142723	45.625	ug/L	98
3) Chloromethane	1.240	50	238466	45.805	ug/L	100
5) Vinyl chloride	1.310	62	230508	48.202	ug/L	100
6) Bromomethane	1.516	94	124982	47.366	ug/L	96
8) Chloroethane	1.580	64	143428	46.706	ug/L	100
9) Trichlorofluoromethane	1.748	101	272862	47.980	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	159617	49.537	ug/L	99
12) 1,1-Dichloroethene	2.114	96	149812	47.222	ug/L	87
13) Acetone	2.156	43	307968	108.365	ug/L	99
14) Carbon disulfide	2.288	76	396228	44.775	ug/L	99
15) Methyl Acetate	2.420	43	217135	45.522	ug/L	100
16) Methylene chloride	2.500	84	165641	43.032	ug/L	99
17) trans-1,2-Dichloroethene	2.751	96	143140	46.645	ug/L	95
18) Methyl tert-butyl Ether	2.757	73	493147	46.521	ug/L	99
19) 1,1-Dichloroethane	3.178	63	309928	46.352	ug/L	100
20) cis-1,2-Dichloroethene	3.899	96	157892	46.633	ug/L #	98
22) 2-Butanone	3.947	43	330683	94.715	ug/L	94
23) Bromochloromethane	4.233	128	76099	47.221	ug/L	99
25) Chloroform	4.362	83	289252	46.570	ug/L	98

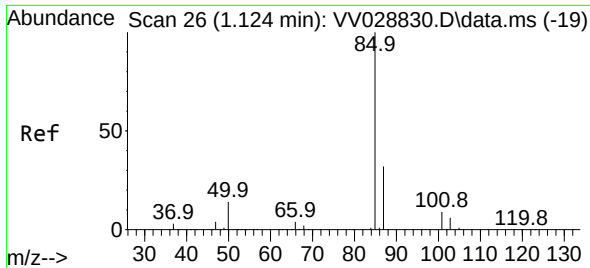
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110322\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.117	62	243302	47.966	ug/L	99
29) Cyclohexane	4.667	56	297526	46.589	ug/L	98
30) 1,1,1-Trichloroethane	4.596	97	234276	46.439	ug/L	99
31) Carbon tetrachloride	4.818	117	190348	47.225	ug/L	100
33) Benzene	5.088	78	656459	46.590	ug/L	100
34) Trichloroethene	5.905	95	152088	46.156	ug/L	99
35) Methylcyclohexane	6.124	83	278102	47.586	ug/L	99
37) 1,2-Dichloropropane	6.162	63	187430	48.078	ug/L	100
38) Bromodichloromethane	6.500	83	209138	47.221	ug/L	98
39) cis-1,3-Dichloropropene	7.018	75	255144	47.922	ug/L	99
40) 4-Methyl-2-pentanone	7.217	43	594189	91.646	ug/L	99
42) Toluene	7.378	91	673014	46.846	ug/L	98
44) trans-1,3-Dichloropropene	7.641	75	237511	48.242	ug/L	99
45) 1,1,2-Trichloroethane	7.828	97	153235	45.816	ug/L	97
46) Tetrachloroethene	7.966	164	106072	46.447	ug/L	98
48) 2-Hexanone	8.130	43	459866	93.130	ug/L	98
49) Dibromochloromethane	8.236	129	146200	47.222	ug/L	98
50) 1,2-Dibromoethane	8.342	107	157381	46.702	ug/L	98
51) Chlorobenzene	8.873	112	408144	46.395	ug/L	99
52) Ethylbenzene	9.005	91	736393	47.648	ug/L	100
53) m,p-Xylene	9.130	106	269034	47.728	ug/L	99
54) o-Xylene	9.535	106	266886	47.425	ug/L	98
55) Styrene	9.551	104	471045	48.810	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.230	83	273682	46.363	ug/L	99
59) Bromoform	9.722	173	94513	46.721	ug/L	99
60) Isopropylbenzene	9.921	105	715477	46.205	ug/L	99
61) 1,2,3-Trichloropropane	10.265	75	212279	43.838	ug/L	100
62) 1,3,5-Trimethylbenzene	10.529	105	602711	46.622	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	598369	46.527	ug/L	99
64) 1,3-Dichlorobenzene	11.172	146	305037	46.696	ug/L	99
65) 1,4-Dichlorobenzene	11.262	146	307520	46.203	ug/L	99
67) 1,2-Dichlorobenzene	11.632	146	307040	46.204	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.416	75	52025	42.171	ug/L	98
69) 1,3,5-Trichlorobenzene	12.635	180	217447	46.420	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	185707	46.326	ug/L	100
71) Naphthalene	13.490	128	573444	43.936	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	187477	46.205	ug/L	98

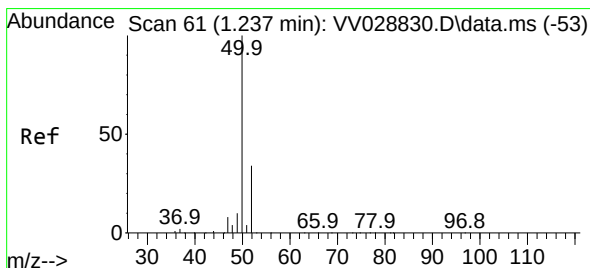
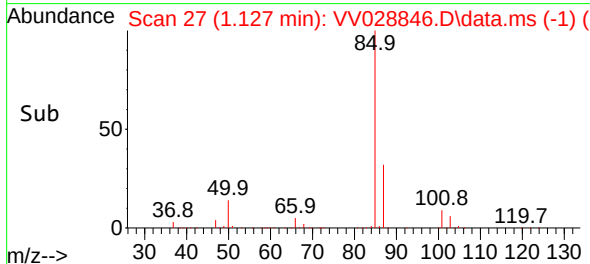
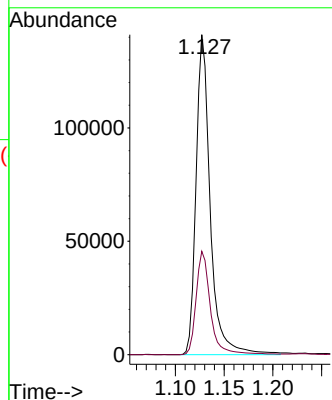
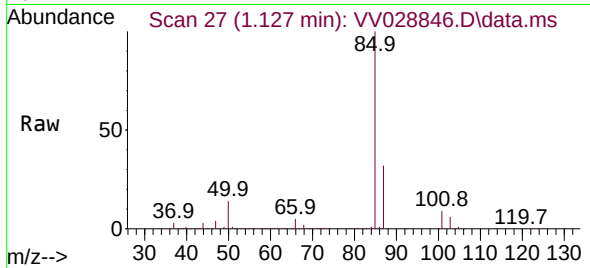
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 45.625 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV028846.D
 Acq: 03 Nov 2022 11:32

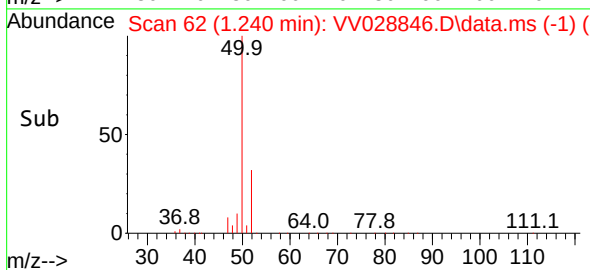
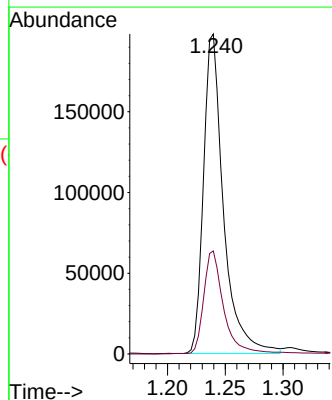
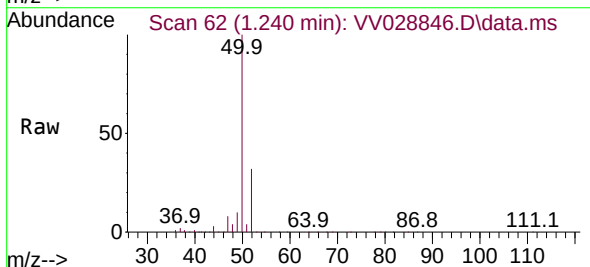
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050370

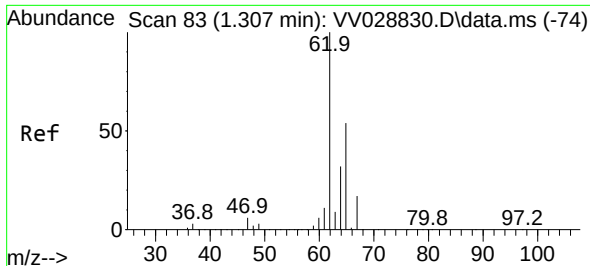
Tgt Ion: 85 Resp: 142723
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.4 38.0



#3
 Chloromethane
 Concen: 45.805 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV028846.D
 Acq: 03 Nov 2022 11:32

Tgt Ion: 50 Resp: 238466
 Ion Ratio Lower Upper
 50 100
 52 32.2 22.7 42.1

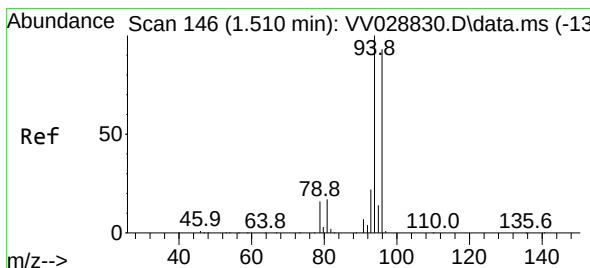
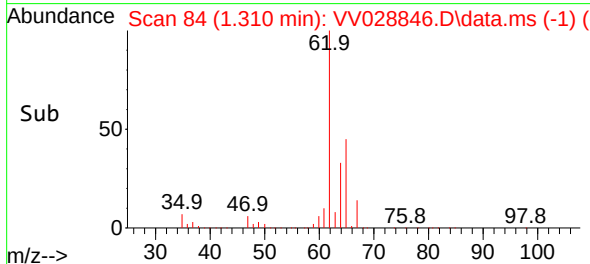
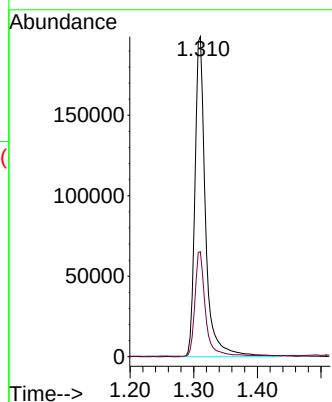
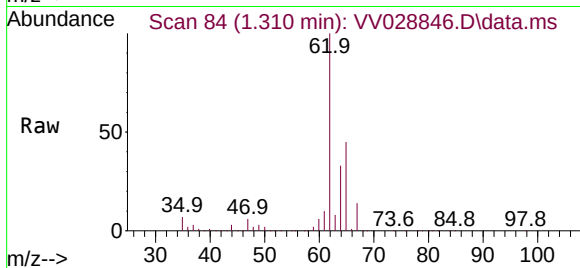




#5
 Vinyl chloride
 Concen: 48.202 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV028846.D
 Acq: 03 Nov 2022 11:32

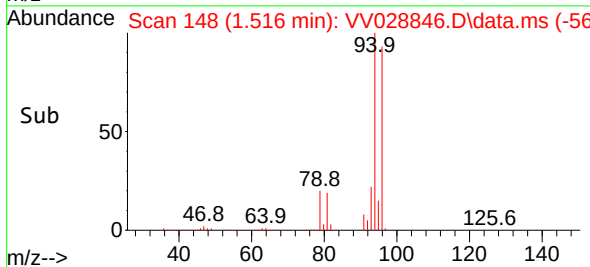
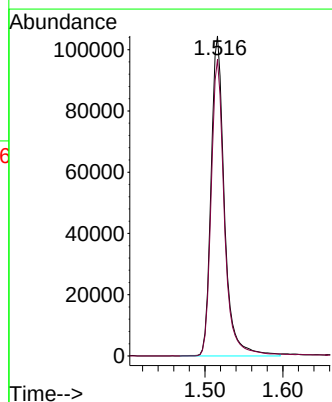
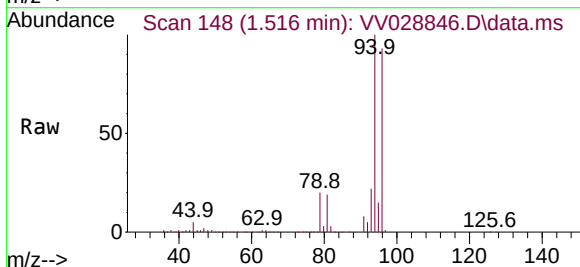
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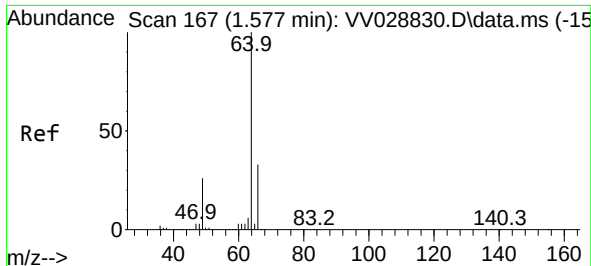
Tgt Ion: 62 Resp: 230508
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.2 43.0



#6
 Bromomethane
 Concen: 47.366 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. -0.003 min
 Lab File: VV028846.D
 Acq: 03 Nov 2022 11:32

Tgt Ion: 94 Resp: 124982
 Ion Ratio Lower Upper
 94 100
 96 92.7 67.6 125.6

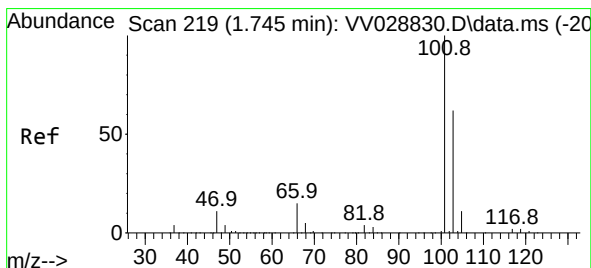
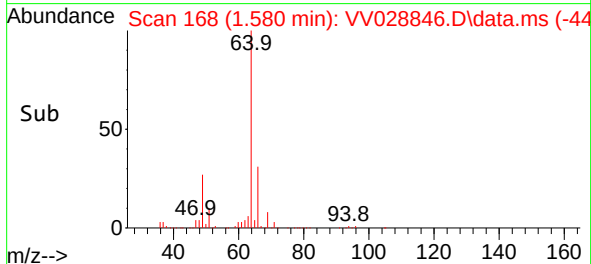
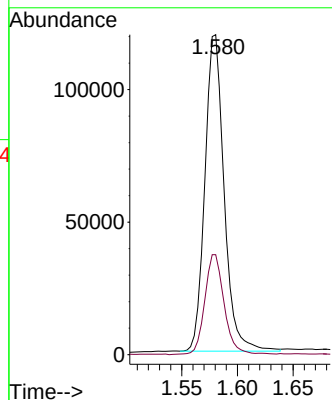
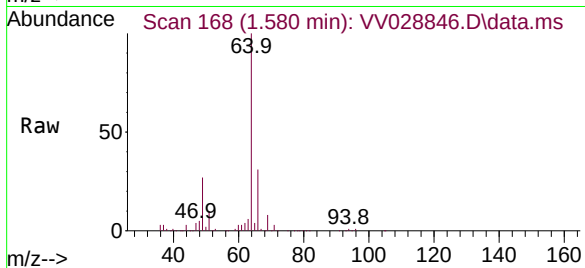




#8
Chloroethane
Concen: 46.706 ug/L
RT: 1.580 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

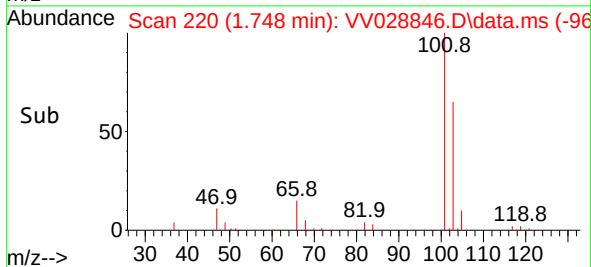
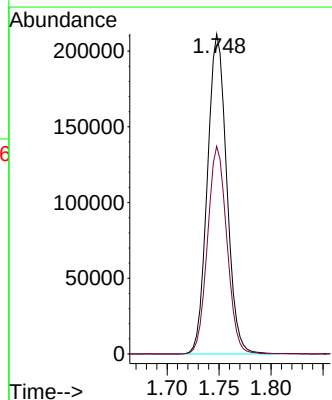
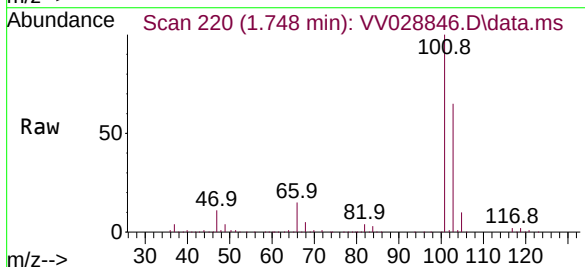
Instrument :
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ClientSampleId :
VSTD050370

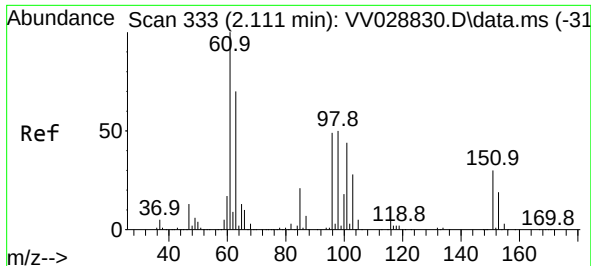
Tgt Ion: 64 Resp: 143428
Ion Ratio Lower Upper
64 100
66 31.2 21.7 40.3



#9
Trichlorofluoromethane
Concen: 47.980 ug/L
RT: 1.748 min Scan# 220
Delta R.T. -0.000 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

Tgt Ion:101 Resp: 272862
Ion Ratio Lower Upper
101 100
103 65.0 51.6 77.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 49.537 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.003 min

Lab File: VV028846.D

Acq: 03 Nov 2022 11:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD050370

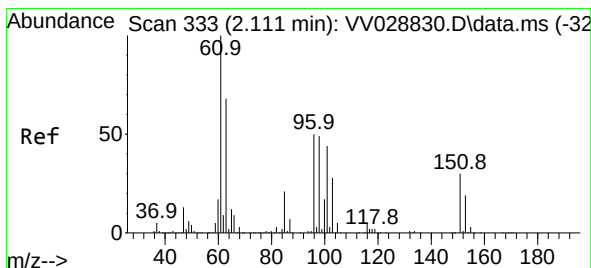
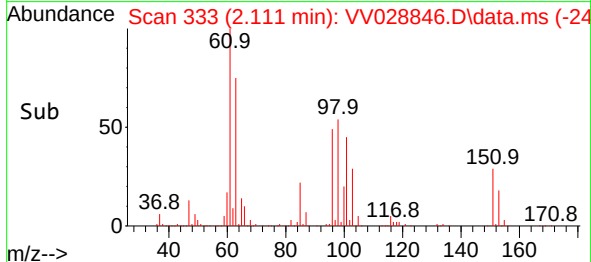
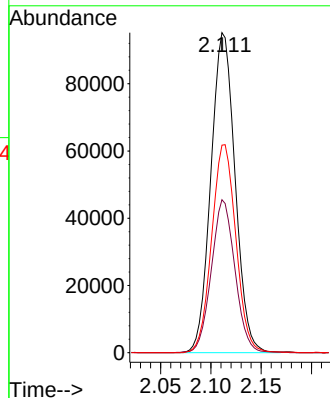
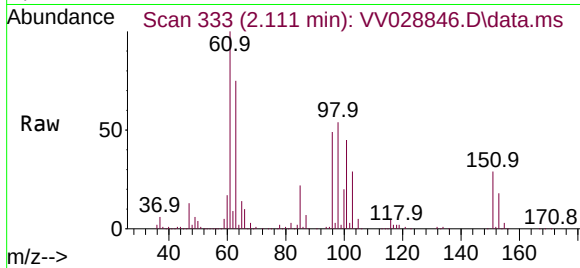
Tgt Ion:101 Resp: 159617

Ion Ratio Lower Upper

101 100

85 46.6 38.0 57.0

151 65.0 52.7 79.1



#12

1,1-Dichloroethene

Concen: 47.222 ug/L

RT: 2.114 min Scan# 334

Delta R.T. -0.000 min

Lab File: VV028846.D

Acq: 03 Nov 2022 11:32

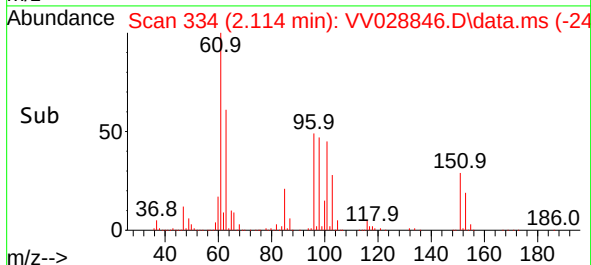
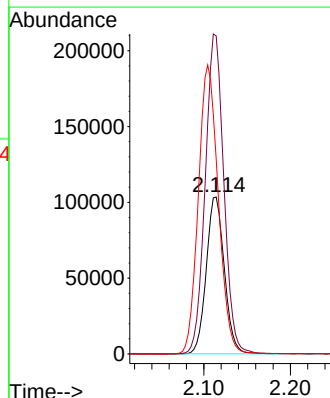
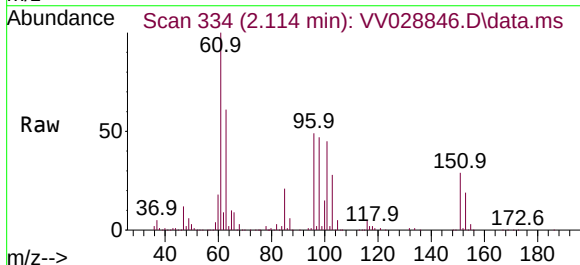
Tgt Ion: 96 Resp: 149812

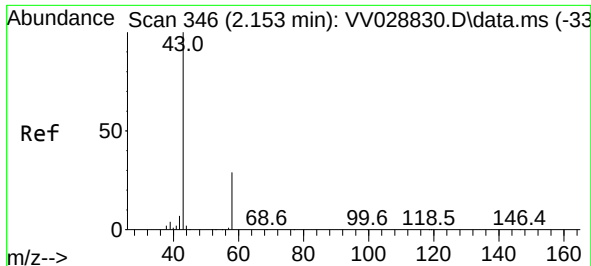
Ion Ratio Lower Upper

96 100

61 202.7 142.7 265.1

63 124.0 112.5 208.9

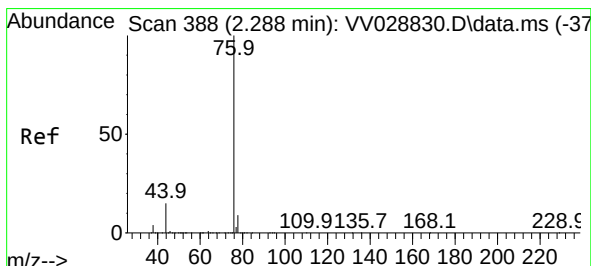
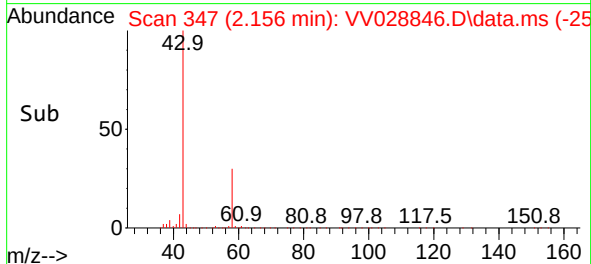
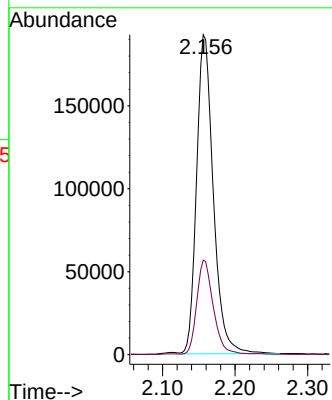
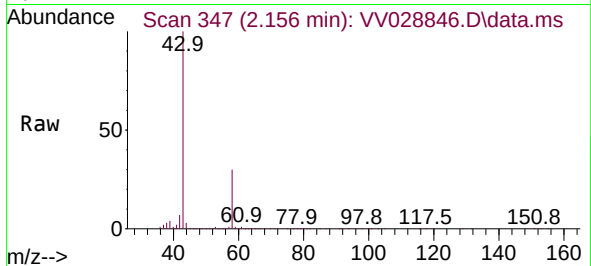




#13
Acetone
Concen: 108.365 ug/L
RT: 2.156 min Scan# 34
Delta R.T. -0.010 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

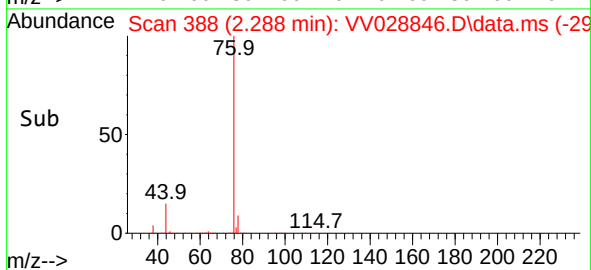
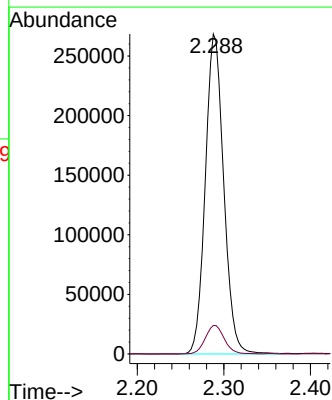
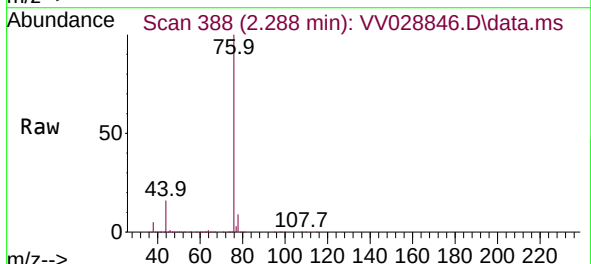
Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

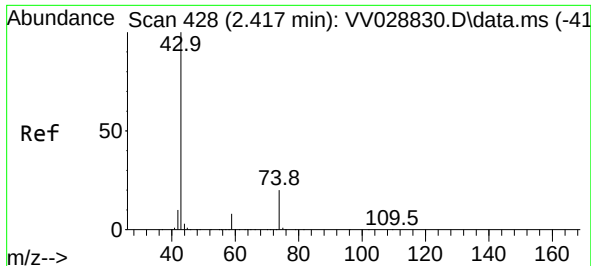
Tgt Ion: 43 Resp: 307968
Ion Ratio Lower Upper
43 100
58 28.8 0.0 59.0



#14
Carbon disulfide
Concen: 44.775 ug/L
RT: 2.288 min Scan# 388
Delta R.T. -0.003 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

Tgt Ion: 76 Resp: 396228
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2

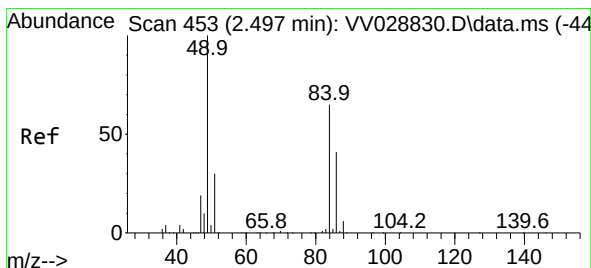
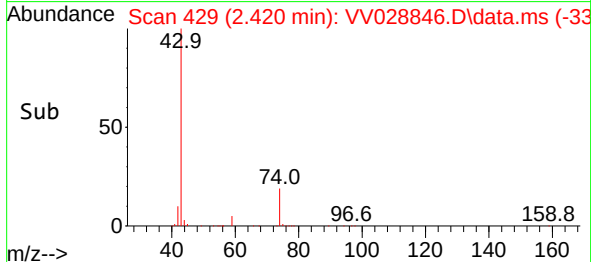
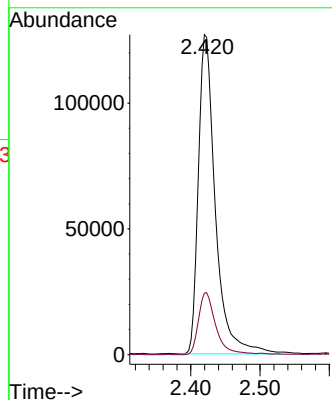
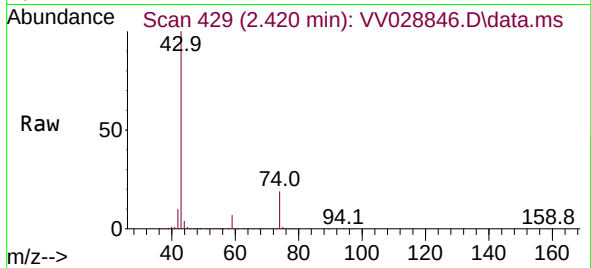




#15
Methyl Acetate
Concen: 45.522 ug/L
RT: 2.420 min Scan# 41
Delta R.T. -0.007 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

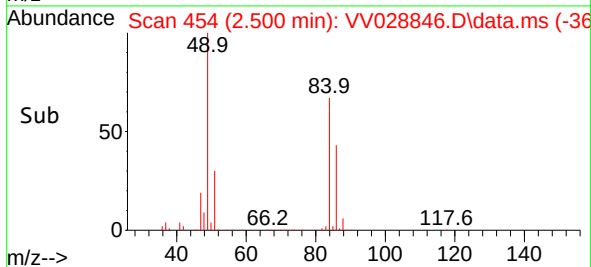
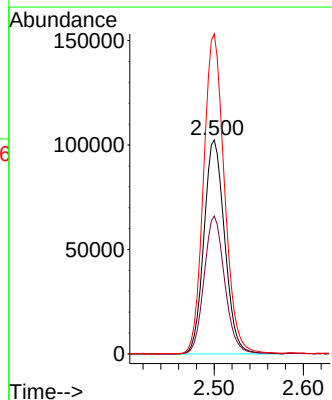
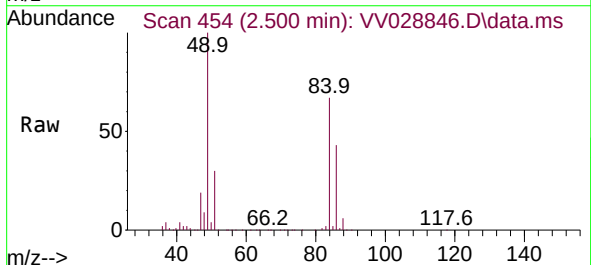
Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

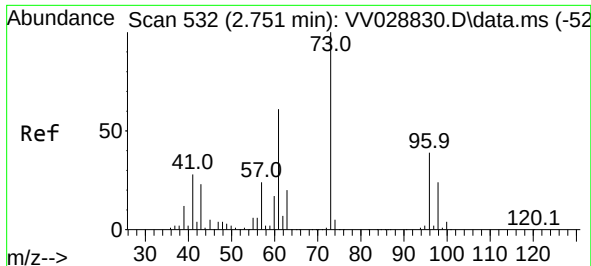
Tgt Ion: 43 Resp: 217135
Ion Ratio Lower Upper
43 100
74 19.7 15.6 23.4



#16
Methylene chloride
Concen: 43.032 ug/L
RT: 2.500 min Scan# 454
Delta R.T. -0.000 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

Tgt Ion: 84 Resp: 165641
Ion Ratio Lower Upper
84 100
86 64.4 43.7 81.1
49 149.5 105.3 195.5

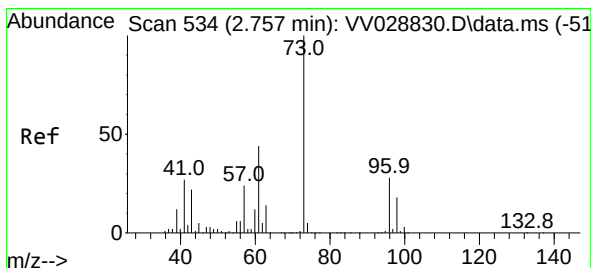
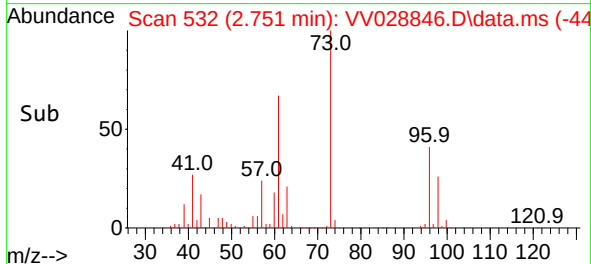
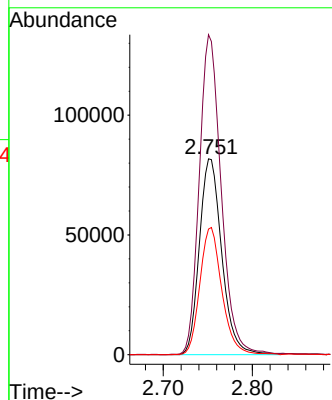
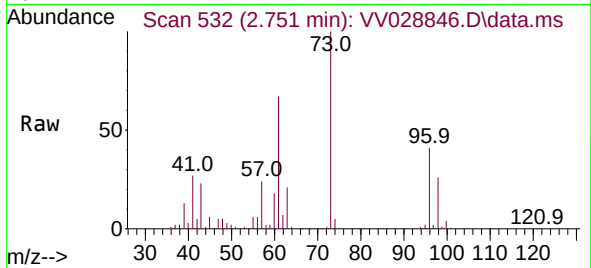




#17
trans-1,2-Dichloroethene
Concen: 46.645 ug/L
RT: 2.751 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

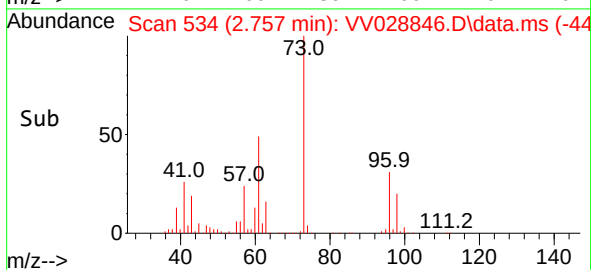
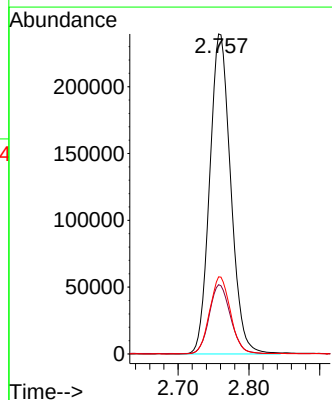
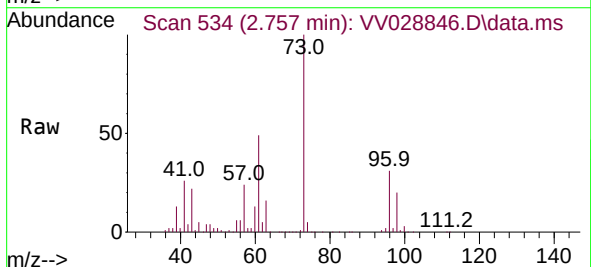
Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

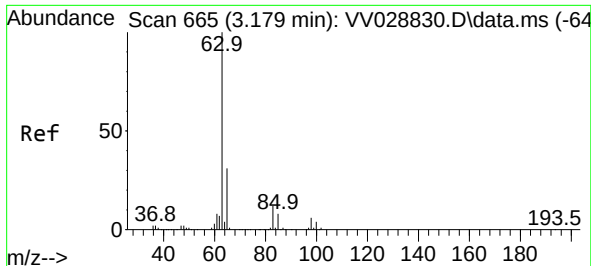
Tgt Ion: 96 Resp: 143140
Ion Ratio Lower Upper
96 100
61 163.3 109.4 203.2
98 64.2 43.3 80.5



#18
Methyl tert-butyl Ether
Concen: 46.521 ug/L
RT: 2.757 min Scan# 534
Delta R.T. -0.003 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

Tgt Ion: 73 Resp: 493147
Ion Ratio Lower Upper
73 100
43 21.7 17.1 25.7
57 23.9 19.3 28.9

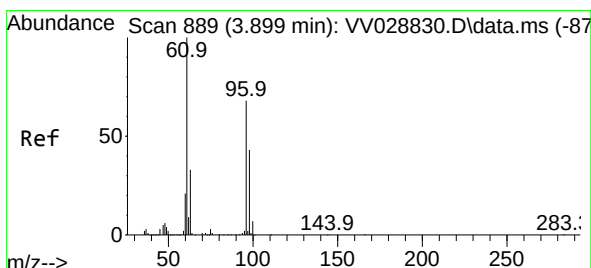
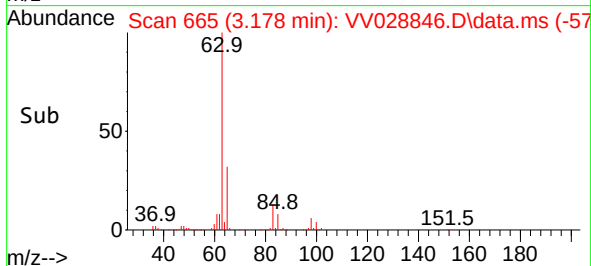
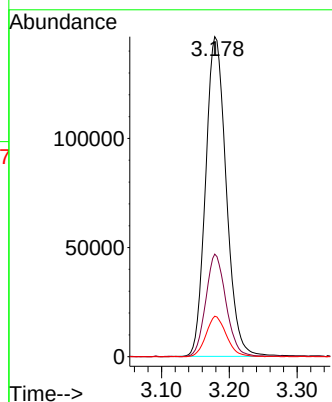
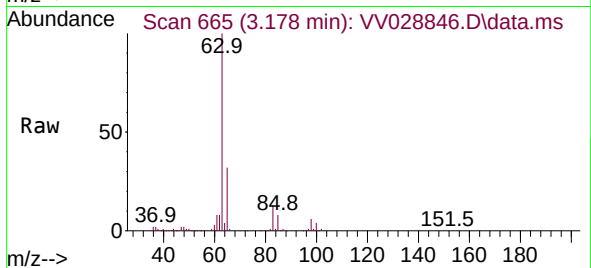




#19
1,1-Dichloroethane
Concen: 46.352 ug/L
RT: 3.178 min Scan# 60
Delta R.T. -0.003 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

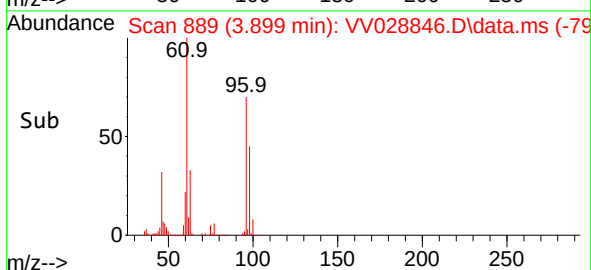
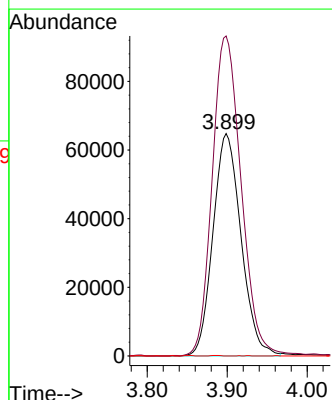
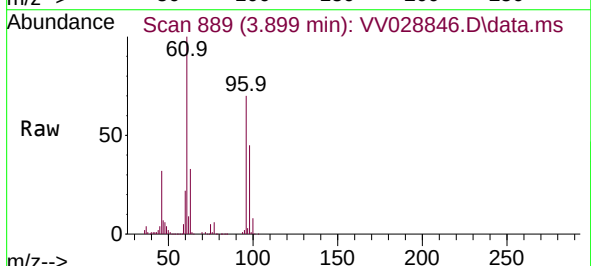
Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

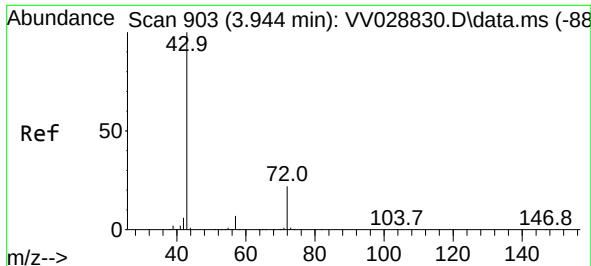
Tgt Ion: 63 Resp: 309928
Ion Ratio Lower Upper
63 100
65 32.1 22.5 41.9
83 12.6 8.5 15.9



#20
cis-1,2-Dichloroethene
Concen: 46.633 ug/L
RT: 3.899 min Scan# 889
Delta R.T. -0.003 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

Tgt Ion: 96 Resp: 157892
Ion Ratio Lower Upper
96 100
61 143.9 102.3 190.1
68 0.0 0.1 0.3

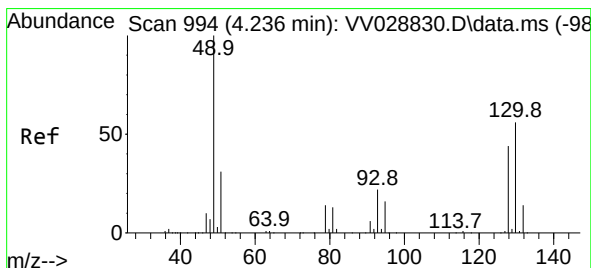
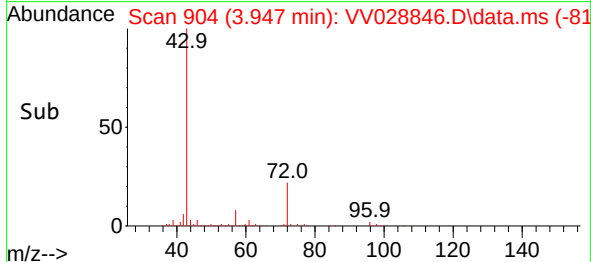
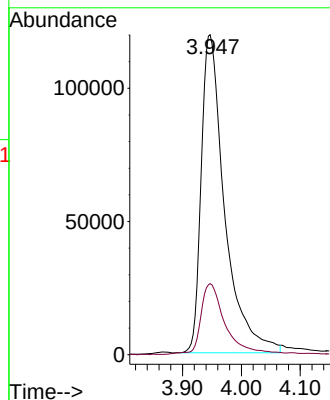
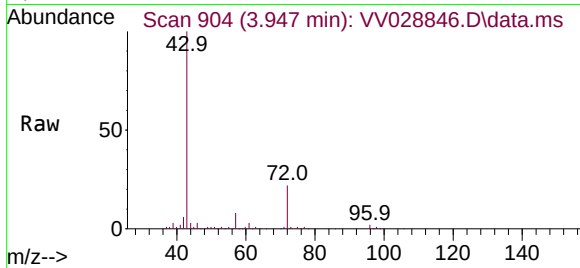




#22
2-Butanone
Concen: 94.715 ug/L
RT: 3.947 min Scan# 904
Delta R.T. -0.010 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

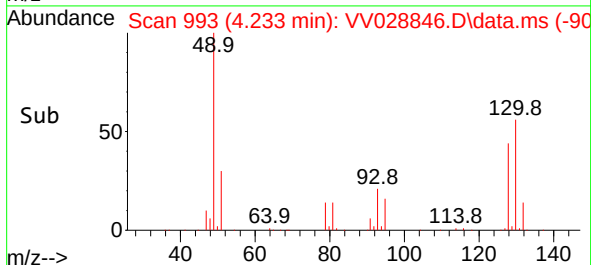
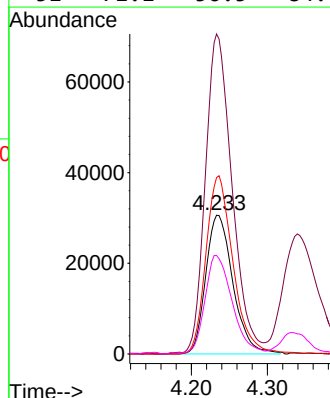
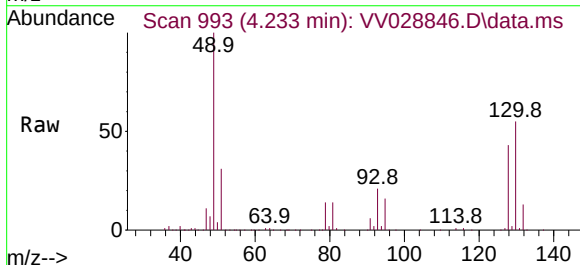
Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

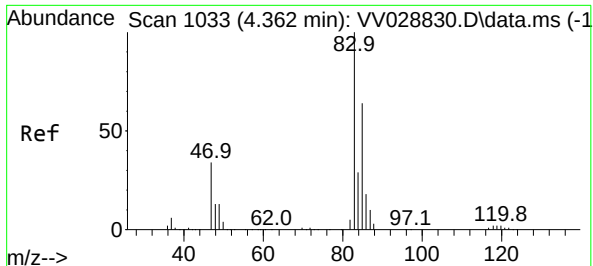
Tgt Ion: 43 Resp: 330683
Ion Ratio Lower Upper
43 100
72 22.8 10.0 30.0



#23
Bromochloromethane
Concen: 47.221 ug/L
RT: 4.233 min Scan# 993
Delta R.T. -0.007 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

Tgt Ion:128 Resp: 76099
Ion Ratio Lower Upper
128 100
49 230.7 161.8 300.6
130 127.1 89.9 166.9
51 71.1 56.5 84.7





#25

Chloroform

Concen: 46.570 ug/L

RT: 4.362 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV028846.D

Acq: 03 Nov 2022 11:32

Instrument :

MSVOA_V

ClientSampleId :

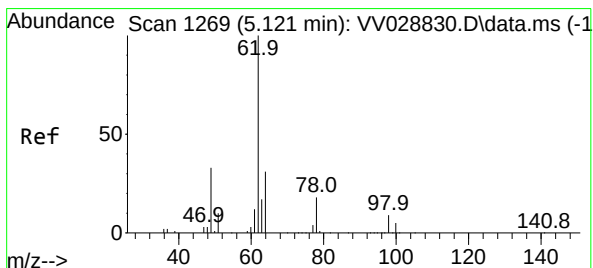
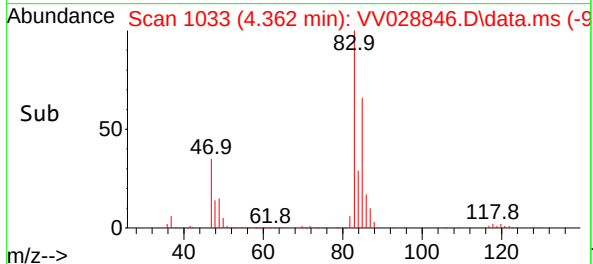
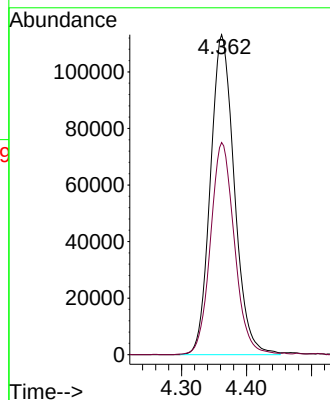
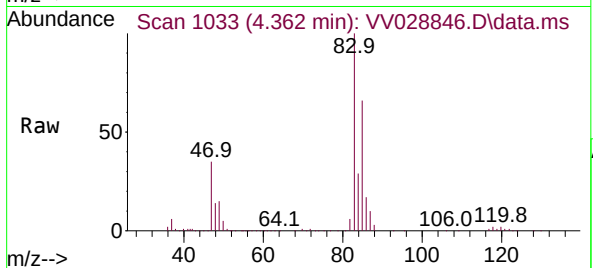
VSTD050370

Tgt Ion: 83 Resp: 289252

Ion Ratio Lower Upper

83 100

85 66.3 45.3 84.1



#27

1,2-Dichloroethane

Concen: 47.966 ug/L

RT: 5.117 min Scan# 1268

Delta R.T. -0.003 min

Lab File: VV028846.D

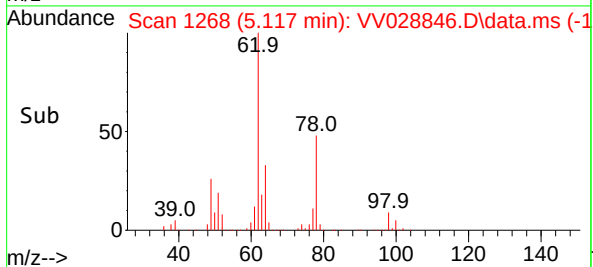
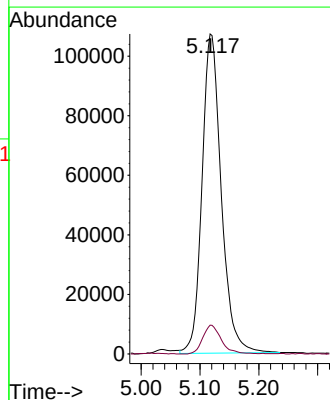
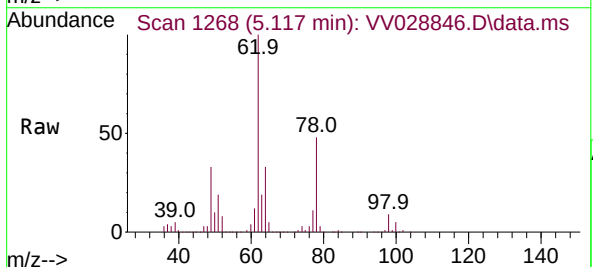
Acq: 03 Nov 2022 11:32

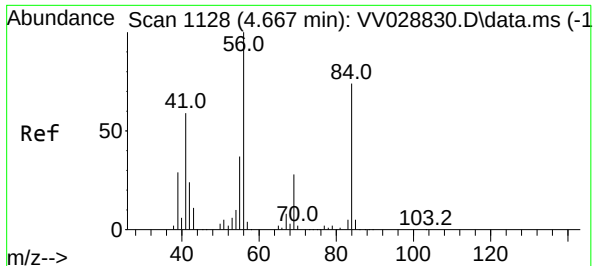
Tgt Ion: 62 Resp: 243302

Ion Ratio Lower Upper

62 100

98 9.0 6.9 10.3





#29

Cyclohexane

Concen: 46.589 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. -0.003 min

Lab File: VV028846.D

Acq: 03 Nov 2022 11:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD050370

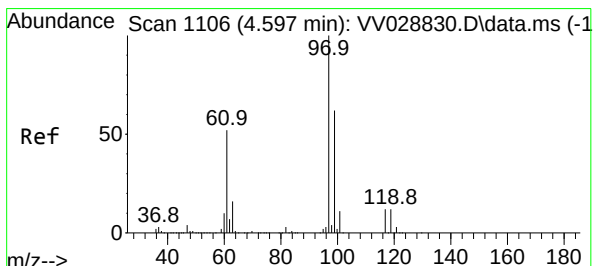
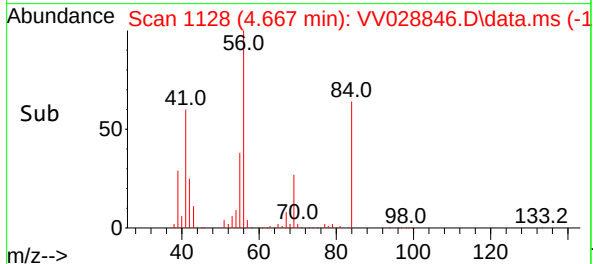
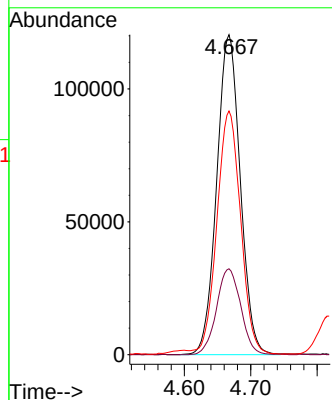
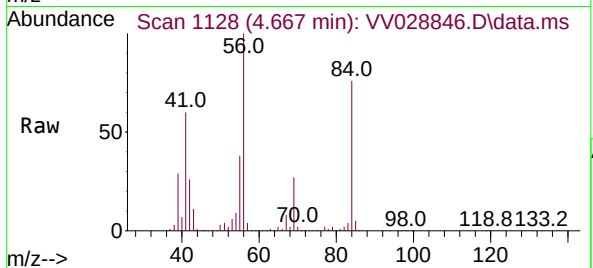
Tgt Ion: 56 Resp: 297526

Ion Ratio Lower Upper

56 100

69 27.5 22.2 33.2

84 76.2 62.3 93.5



#30

1,1,1-Trichloroethane

Concen: 46.439 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. -0.003 min

Lab File: VV028846.D

Acq: 03 Nov 2022 11:32

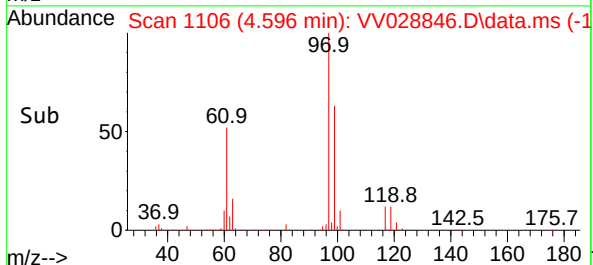
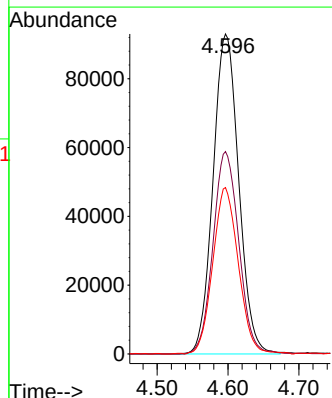
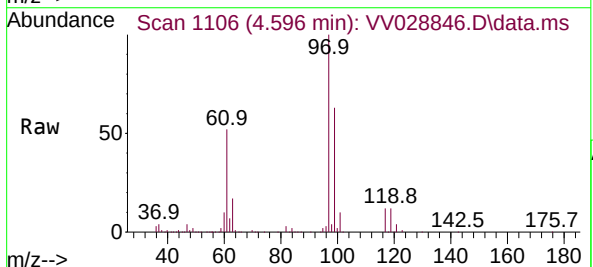
Tgt Ion: 97 Resp: 234276

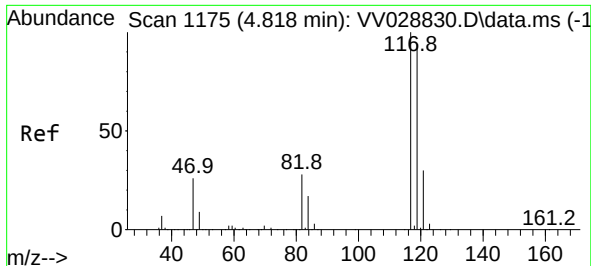
Ion Ratio Lower Upper

97 100

99 63.2 50.2 75.4

61 51.8 40.2 60.4

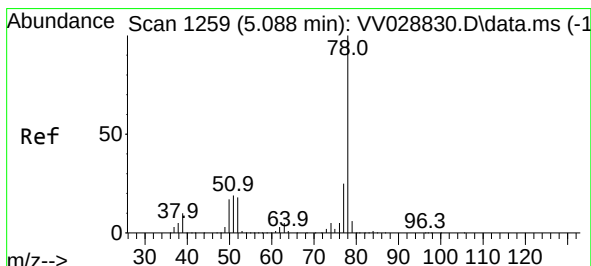
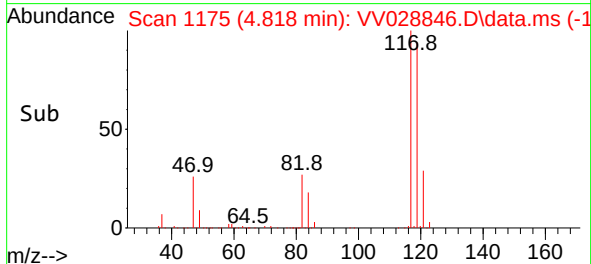
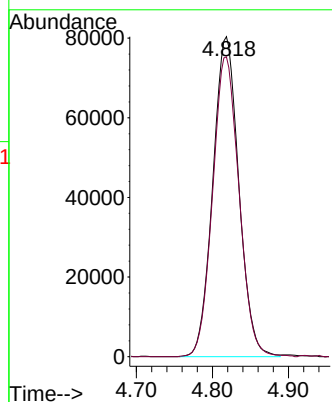
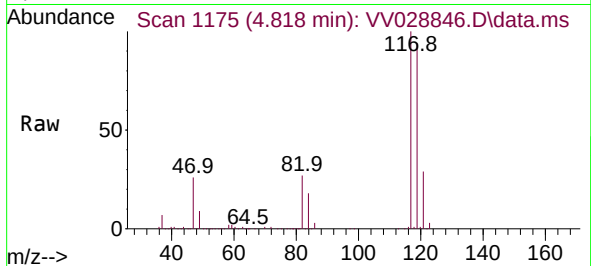




#31
Carbon tetrachloride
Concen: 47.225 ug/L
RT: 4.818 min Scan# 1175
Delta R.T. -0.003 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

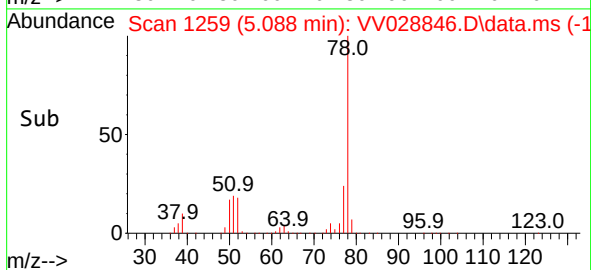
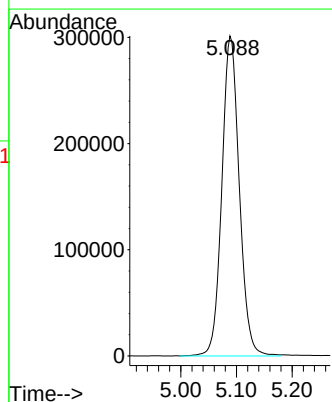
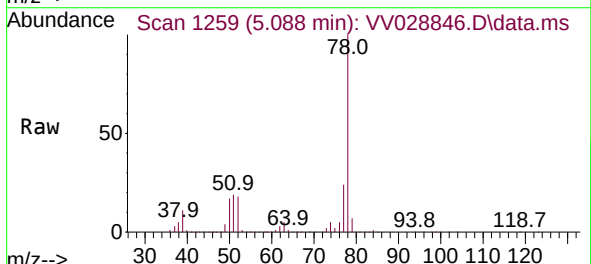
Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

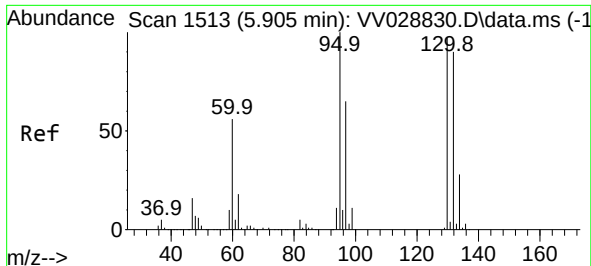
Tgt Ion:117 Resp: 190348
Ion Ratio Lower Upper
117 100
119 95.5 76.1 114.1



#33
Benzene
Concen: 46.590 ug/L
RT: 5.088 min Scan# 1259
Delta R.T. -0.003 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

Tgt Ion: 78 Resp: 656459



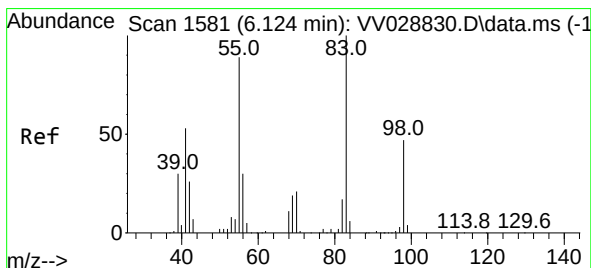
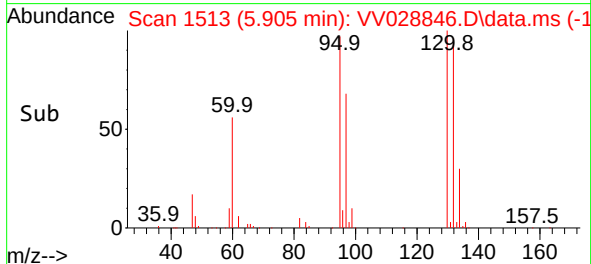
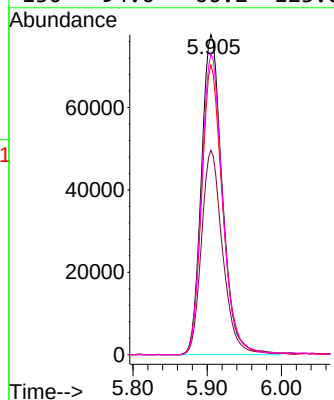
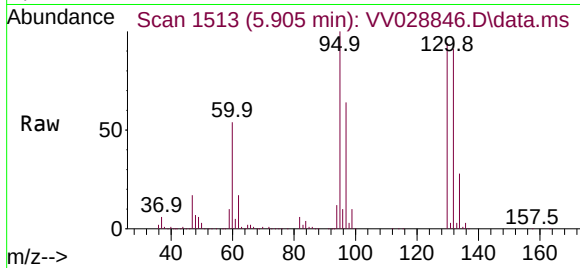


#34
Trichloroethene
Concen: 46.156 ug/L
RT: 5.905 min Scan# 1513
Delta R.T. -0.003 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

Tgt Ion: 95 Resp: 152088

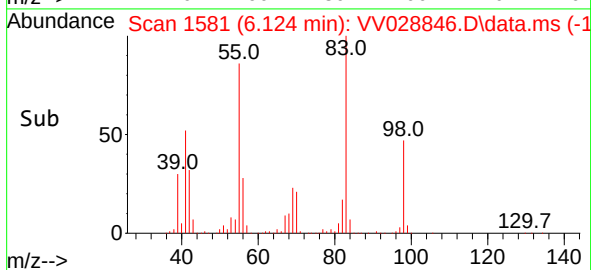
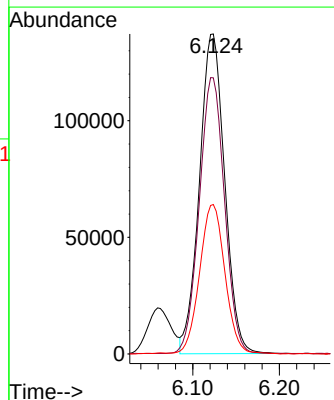
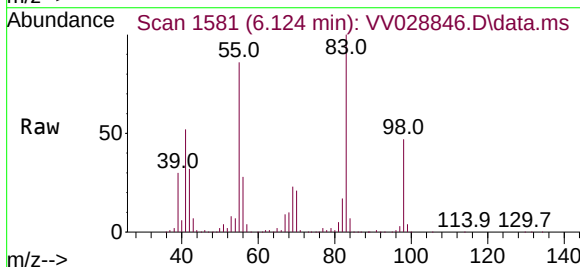
Ion	Ratio	Lower	Upper
95	100		
97	63.9	46.2	85.8
132	90.5	63.2	117.4
130	94.0	66.2	123.0

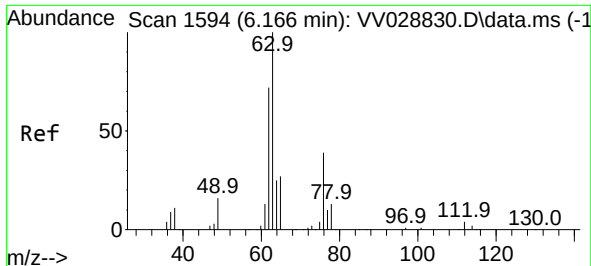


#35
Methylcyclohexane
Concen: 47.586 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. -0.000 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

Tgt Ion: 83 Resp: 278102

Ion	Ratio	Lower	Upper
83	100		
55	86.5	69.4	104.2
98	47.0	37.0	55.4





#37

1,2-Dichloropropane

Concen: 48.078 ug/L

RT: 6.162 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV028846.D

Acq: 03 Nov 2022 11:32

Instrument :

MSVOA_V

ClientSampleId :

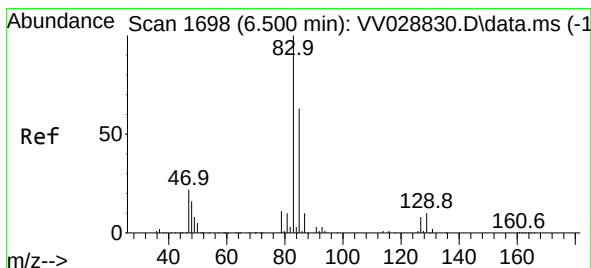
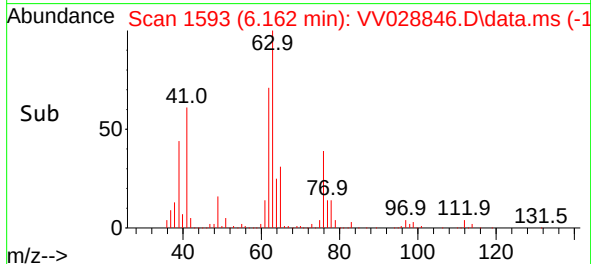
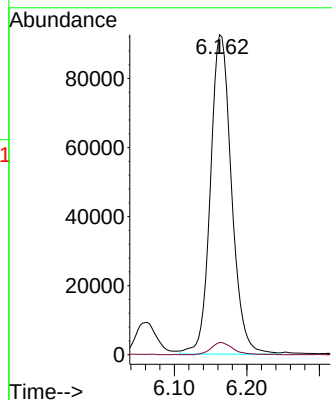
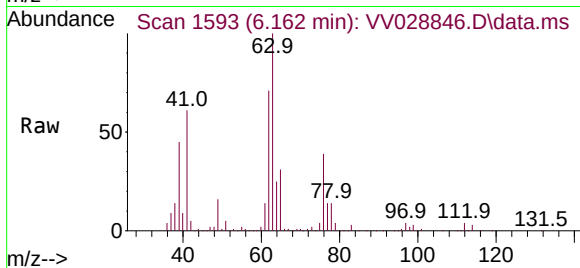
VSTD050370

Tgt Ion: 63 Resp: 187430

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.6



#38

Bromodichloromethane

Concen: 47.221 ug/L

RT: 6.500 min Scan# 1698

Delta R.T. -0.003 min

Lab File: VV028846.D

Acq: 03 Nov 2022 11:32

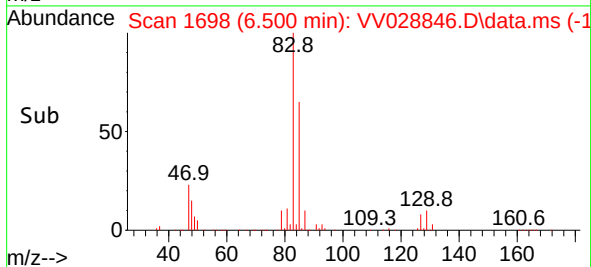
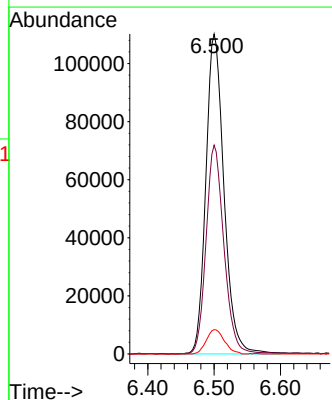
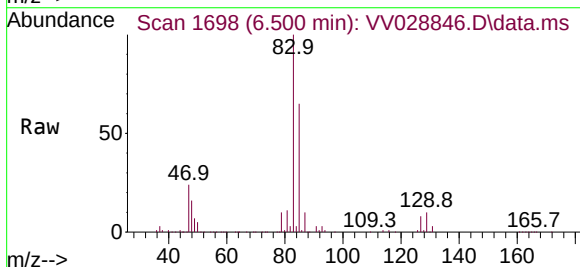
Tgt Ion: 83 Resp: 209138

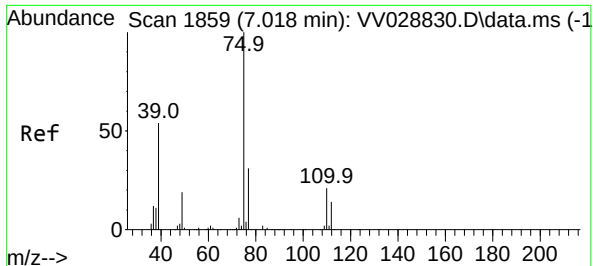
Ion Ratio Lower Upper

83 100

85 65.3 44.3 82.3

127 7.6 5.8 8.8





#39

cis-1,3-Dichloropropene

Concen: 47.922 ug/L

RT: 7.018 min Scan# 1859

Delta R.T. -0.003 min

Lab File: VV028846.D

Acq: 03 Nov 2022 11:32

Instrument :

MSVOA_V

ClientSampleId :

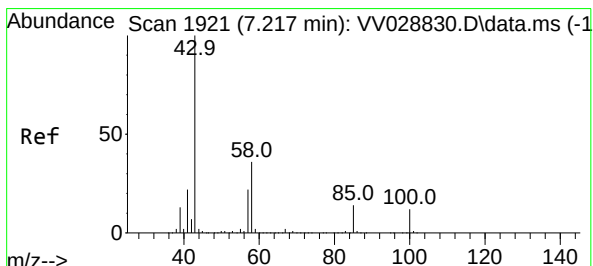
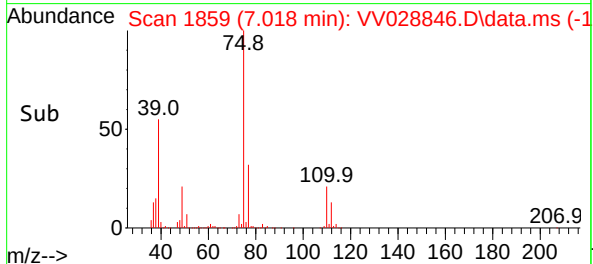
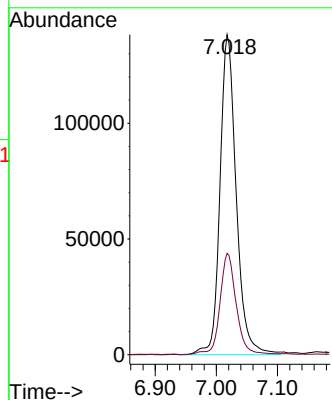
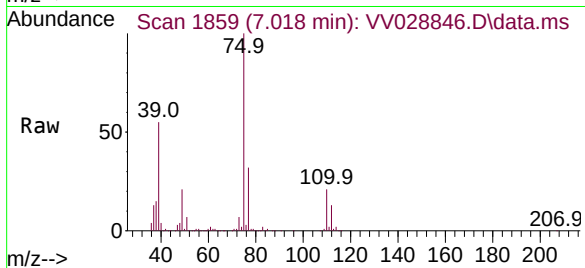
VSTD050370

Tgt Ion: 75 Resp: 255144

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 91.646 ug/L

RT: 7.217 min Scan# 1921

Delta R.T. -0.003 min

Lab File: VV028846.D

Acq: 03 Nov 2022 11:32

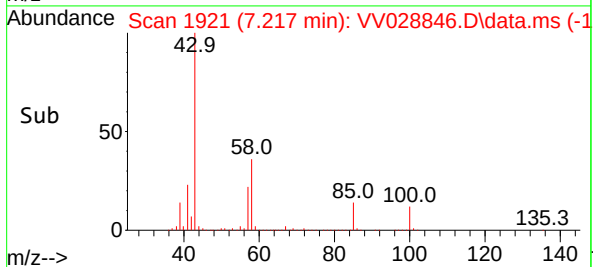
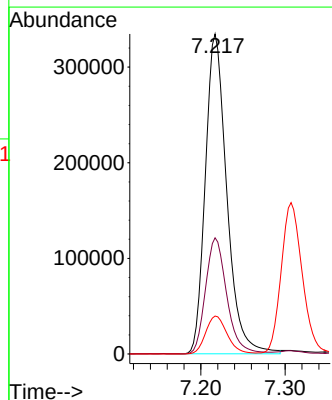
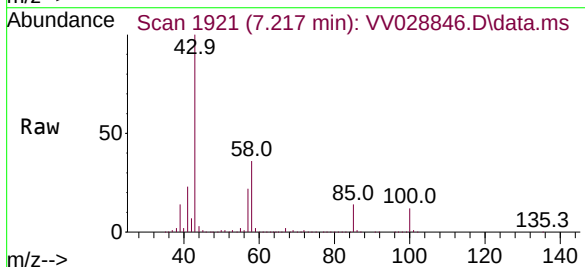
Tgt Ion: 43 Resp: 594189

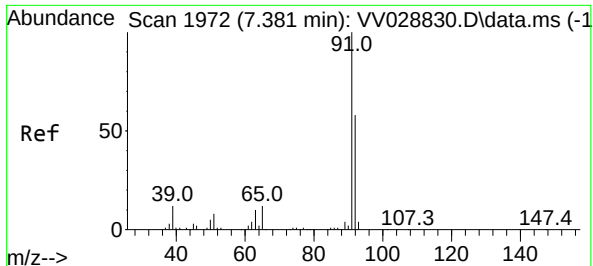
Ion Ratio Lower Upper

43 100

58 35.9 29.1 43.7

100 11.9 9.5 14.3





#42

Toluene

Concen: 46.846 ug/L

RT: 7.378 min Scan# 1972

Delta R.T. -0.003 min

Lab File: VV028846.D

Acq: 03 Nov 2022 11:32

Instrument :

MSVOA_V

ClientSampleId :

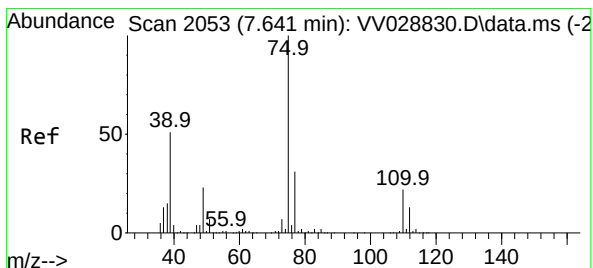
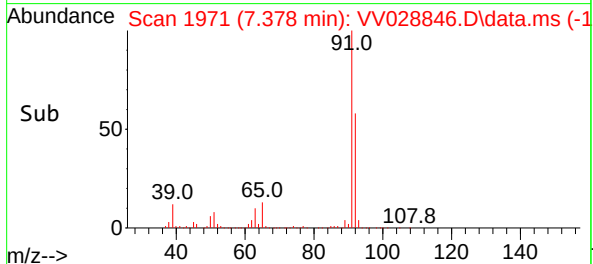
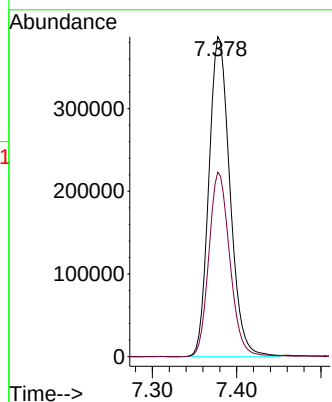
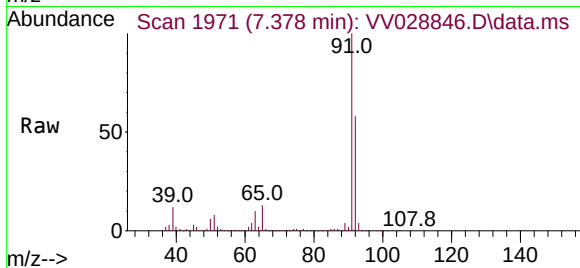
VSTD050370

Tgt Ion: 91 Resp: 673014

Ion Ratio Lower Upper

91 100

92 57.6 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 48.242 ug/L

RT: 7.641 min Scan# 2053

Delta R.T. -0.003 min

Lab File: VV028846.D

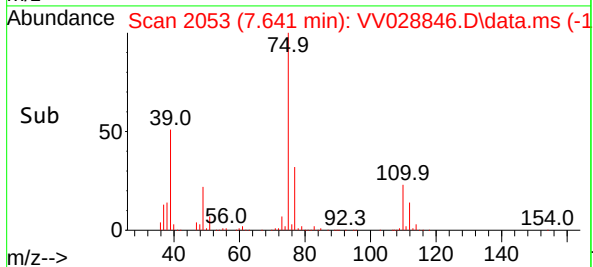
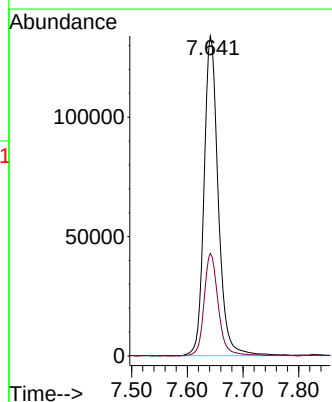
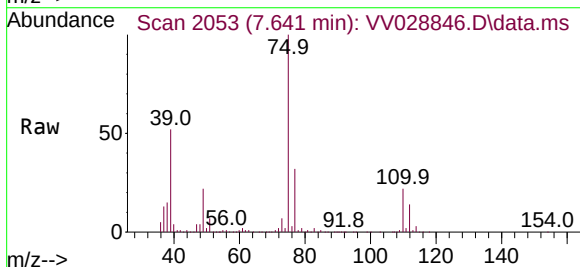
Acq: 03 Nov 2022 11:32

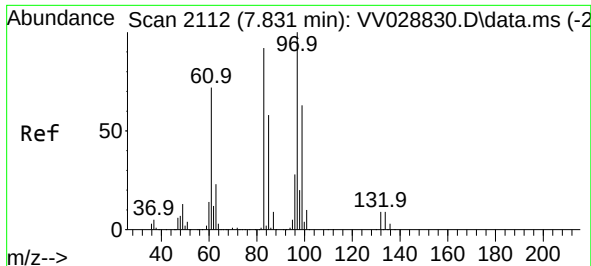
Tgt Ion: 75 Resp: 237511

Ion Ratio Lower Upper

75 100

77 32.0 22.0 41.0

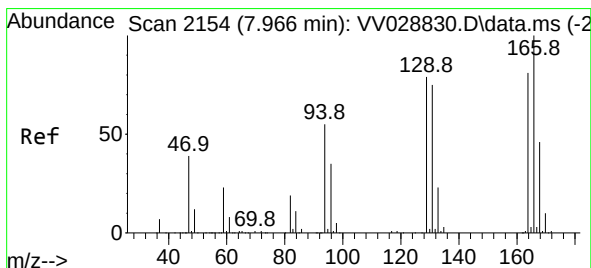
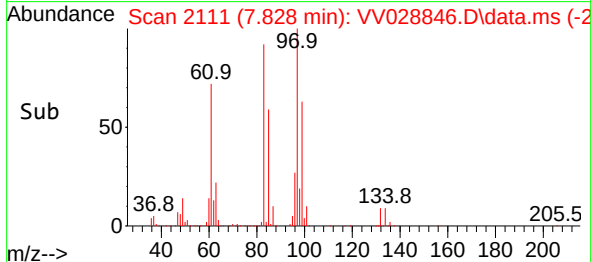
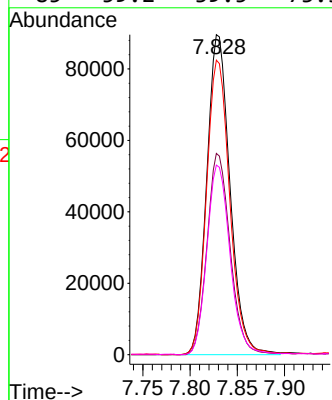
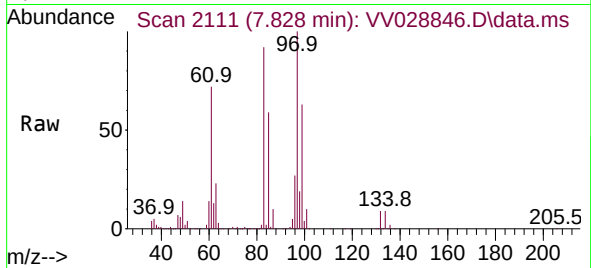




#45
1,1,2-Trichloroethane
Concen: 45.816 ug/L
RT: 7.828 min Scan# 2111
Delta R.T. -0.003 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

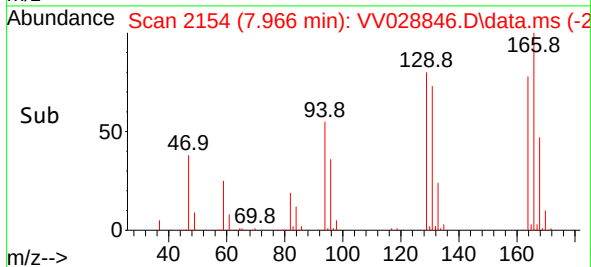
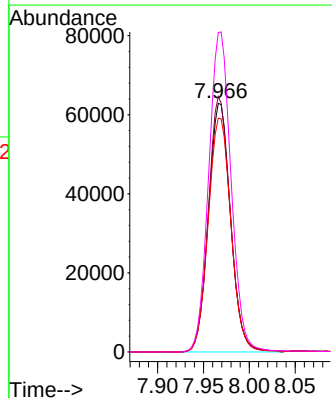
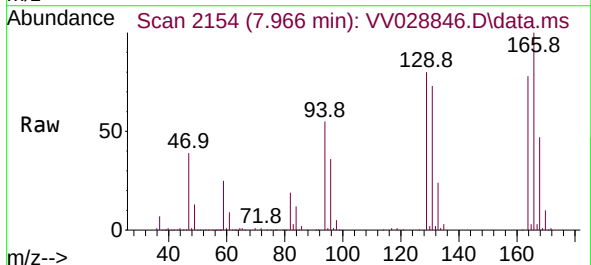
Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

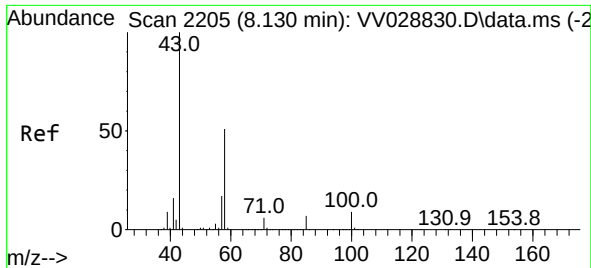
Tgt Ion:	97	Resp:	153235
Ion	Ratio	Lower	Upper
97	100		
99	62.9	42.9	79.7
83	92.0	62.7	116.5
85	59.2	39.5	73.3



#46
Tetrachloroethene
Concen: 46.447 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. -0.003 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

Tgt Ion:	164	Resp:	106072
Ion	Ratio	Lower	Upper
164	100		
129	102.6	69.5	129.1
131	94.0	66.4	123.2
166	128.4	88.5	164.3

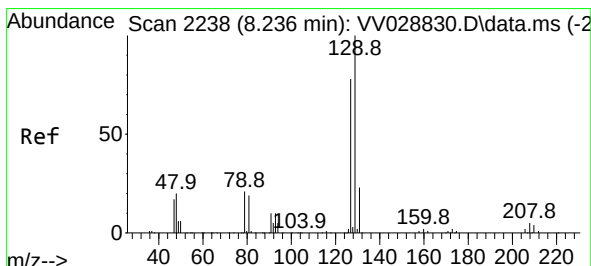
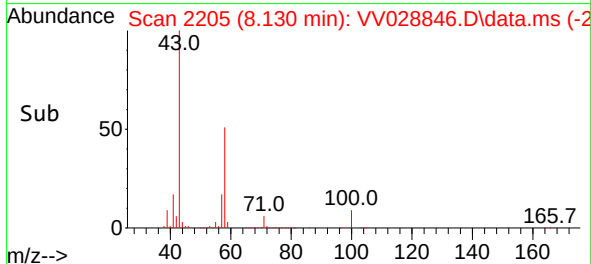
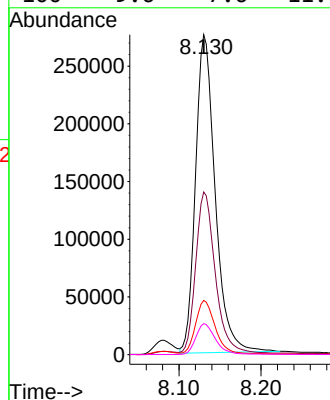
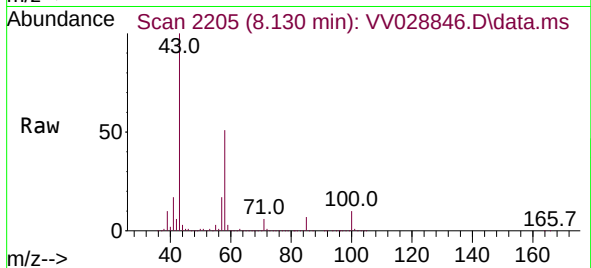




#48
2-Hexanone
Concen: 93.130 ug/L
RT: 8.130 min Scan# 2205
Delta R.T. -0.003 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

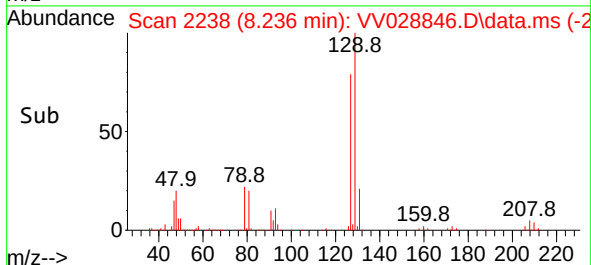
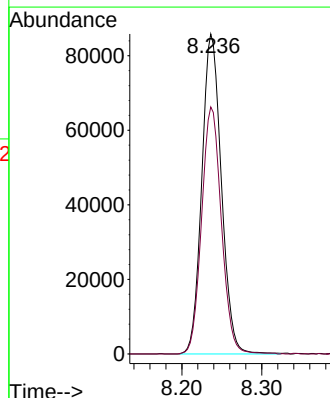
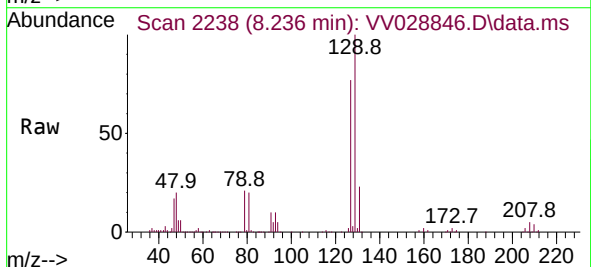
Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

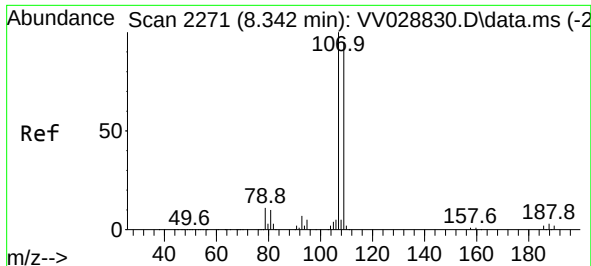
Tgt Ion:	43	Resp:	459866
Ion	Ratio	Lower	Upper
43	100		
58	50.5	41.4	62.0
57	16.2	13.8	20.6
100	9.6	7.6	11.4



#49
Dibromochloromethane
Concen: 47.222 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. -0.003 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

Tgt Ion:	129	Resp:	146200
Ion	Ratio	Lower	Upper
129	100		
127	77.2	55.3	102.7





#50

1,2-Dibromoethane

Concen: 46.702 ug/L

RT: 8.342 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV028846.D

Acq: 03 Nov 2022 11:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD050370

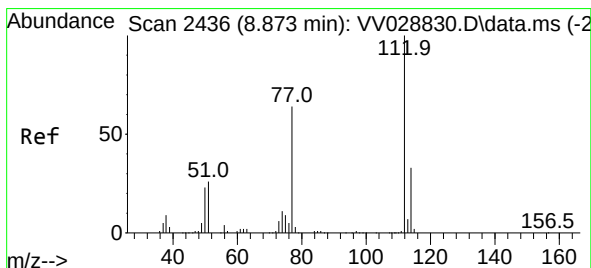
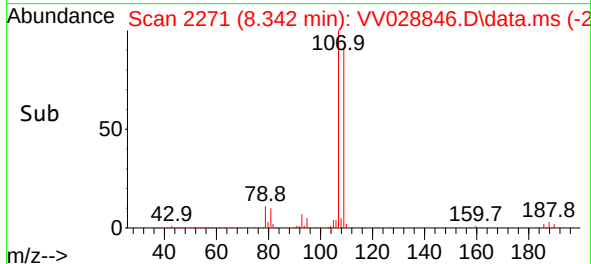
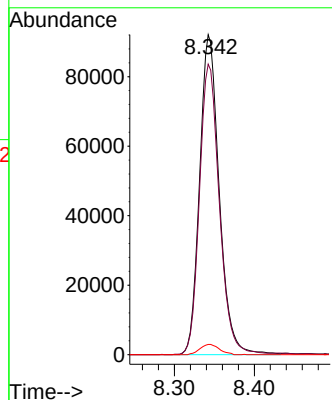
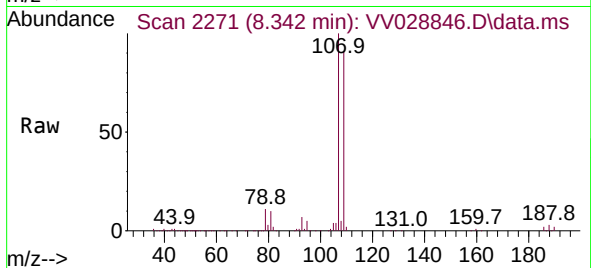
Tgt Ion:107 Resp: 157381

Ion Ratio Lower Upper

107 100

109 90.8 65.2 121.0

188 3.3 2.6 4.0



#51

Chlorobenzene

Concen: 46.395 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. -0.000 min

Lab File: VV028846.D

Acq: 03 Nov 2022 11:32

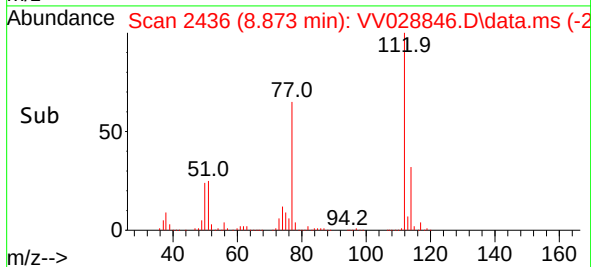
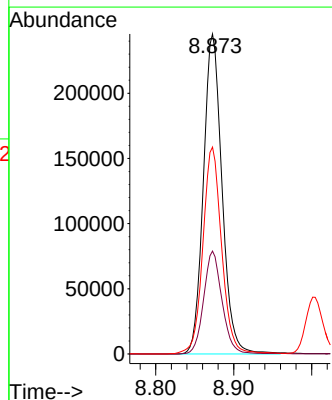
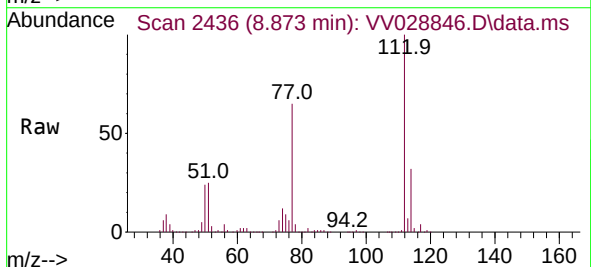
Tgt Ion:112 Resp: 408144

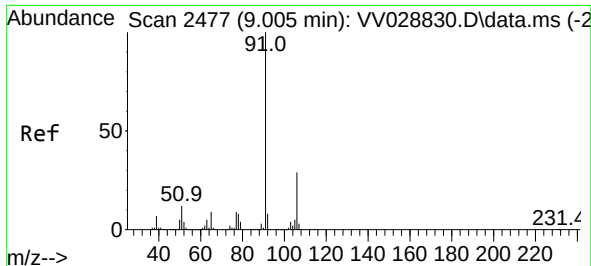
Ion Ratio Lower Upper

112 100

114 32.2 22.3 41.5

77 64.7 50.6 75.8

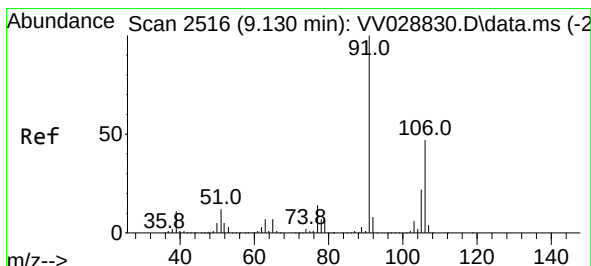
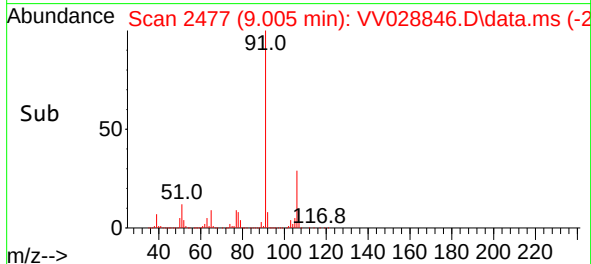
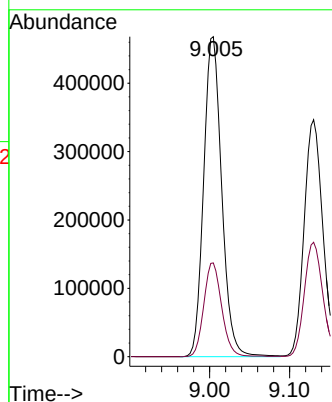
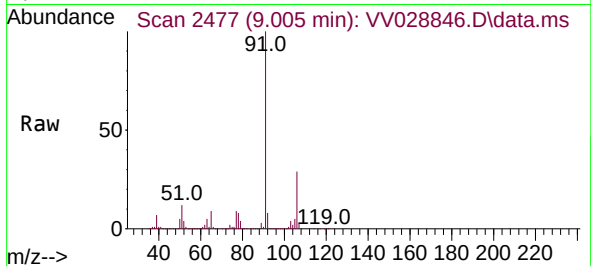




#52
Ethylbenzene
Concen: 47.648 ug/L
RT: 9.005 min Scan# 2477
Delta R.T. -0.000 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

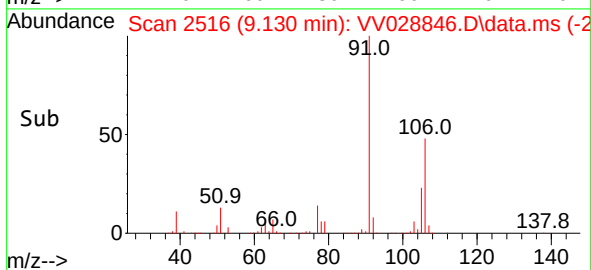
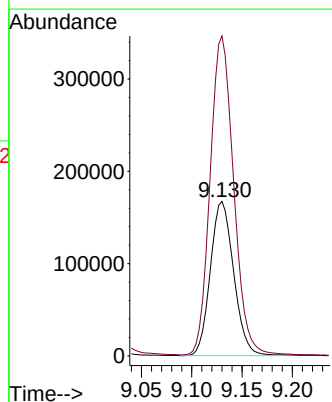
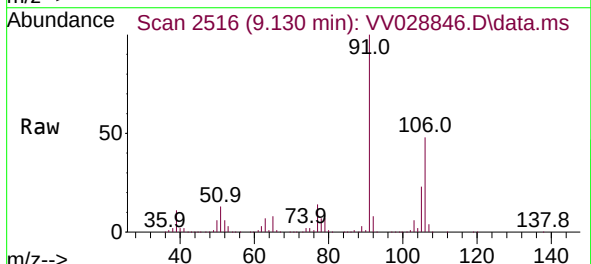
Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

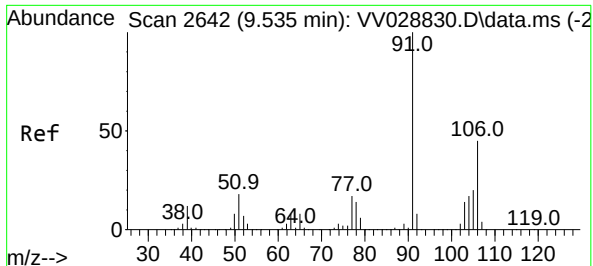
Tgt Ion: 91 Resp: 736393
Ion Ratio Lower Upper
91 100
106 29.3 20.4 38.0



#53
m,p-Xylene
Concen: 47.728 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. -0.000 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

Tgt Ion: 106 Resp: 269034
Ion Ratio Lower Upper
106 100
91 207.0 146.2 271.6

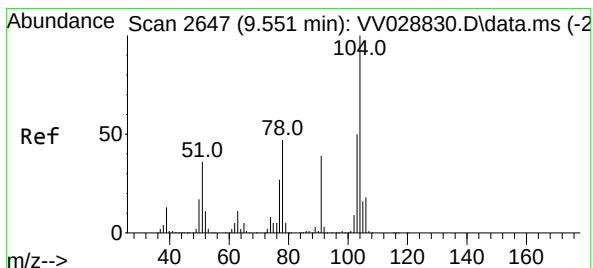
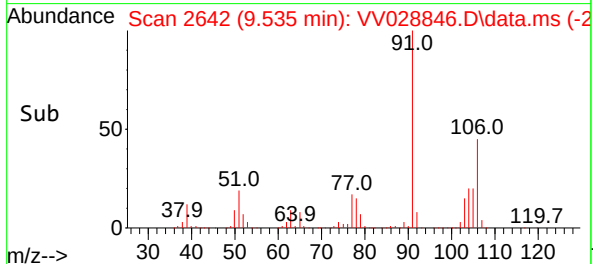
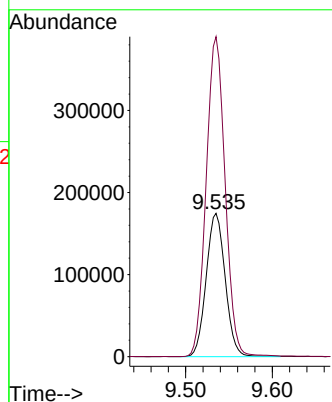
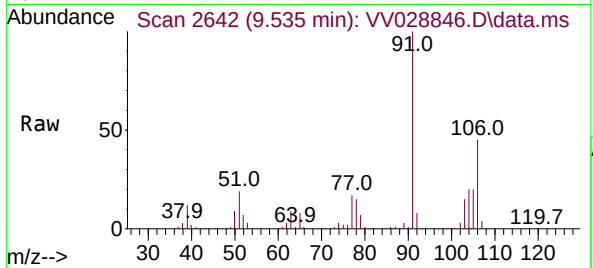




#54
o-Xylene
Concen: 47.425 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. -0.000 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

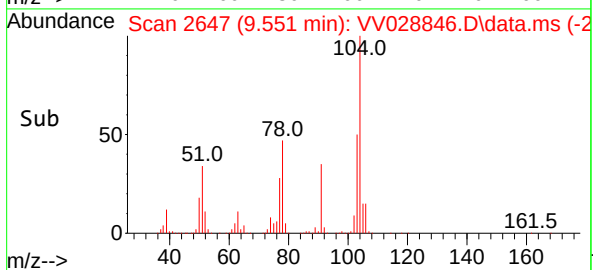
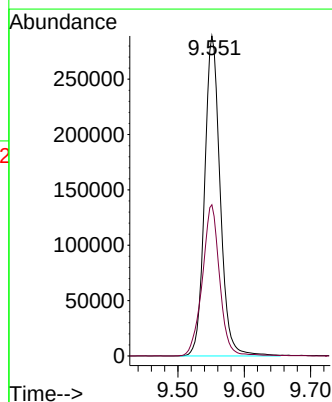
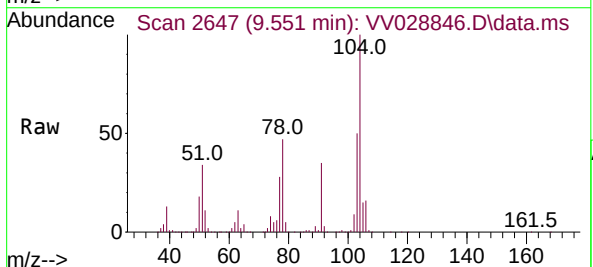
Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

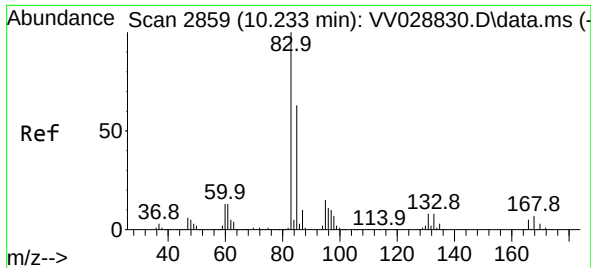
Tgt Ion:106 Resp: 266886
Ion Ratio Lower Upper
106 100
91 223.2 158.1 293.7



#55
Styrene
Concen: 48.810 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. -0.000 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

Tgt Ion:104 Resp: 471045
Ion Ratio Lower Upper
104 100
78 47.2 31.9 59.3

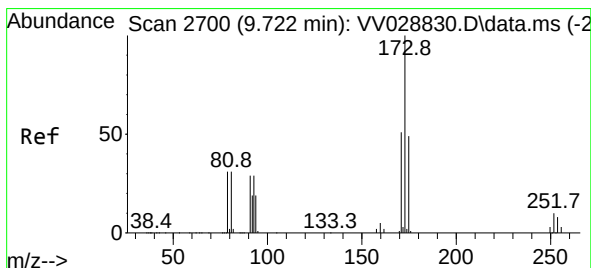
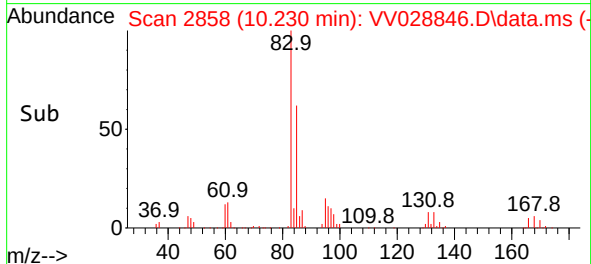
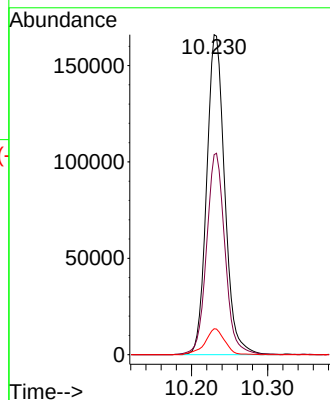
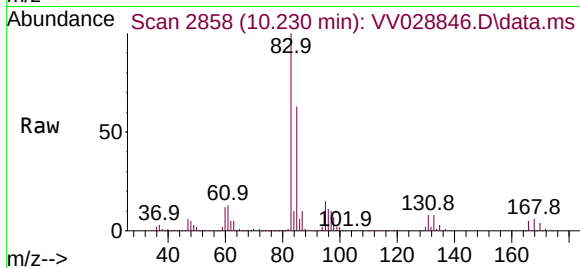




#57
1,1,2,2-Tetrachloroethane
Concen: 46.363 ug/L
RT: 10.230 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

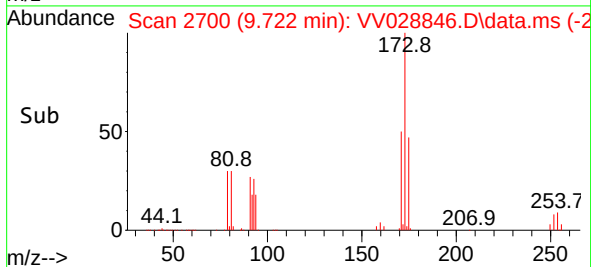
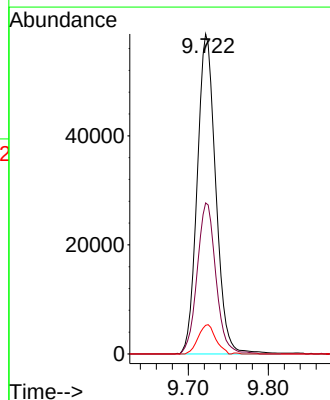
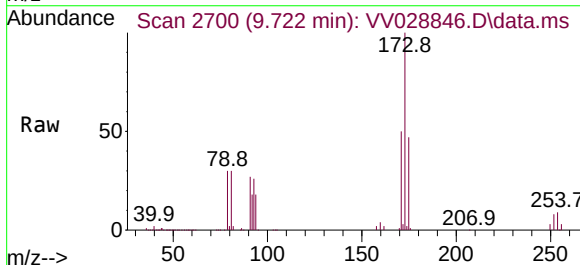
Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

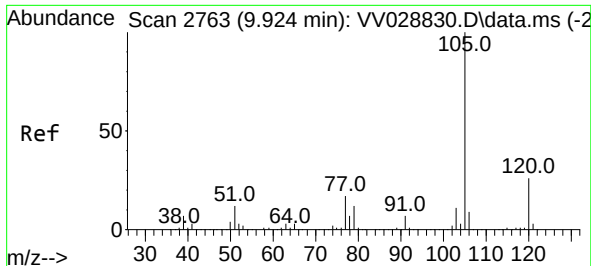
Tgt Ion: 83 Resp: 273682
Ion Ratio Lower Upper
83 100
85 62.5 44.4 82.4
131 8.1 6.5 9.7



#59
Bromoform
Concen: 46.721 ug/L
RT: 9.722 min Scan# 2700
Delta R.T. -0.000 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

Tgt Ion: 173 Resp: 94513
Ion Ratio Lower Upper
173 100
175 47.4 38.7 58.1
254 8.6 7.2 10.8

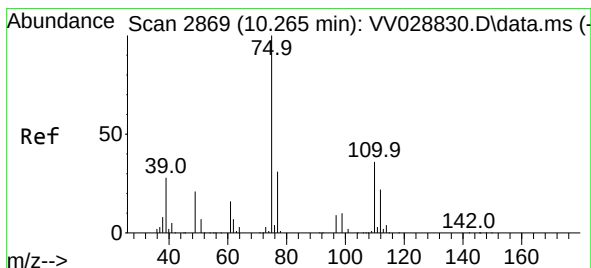
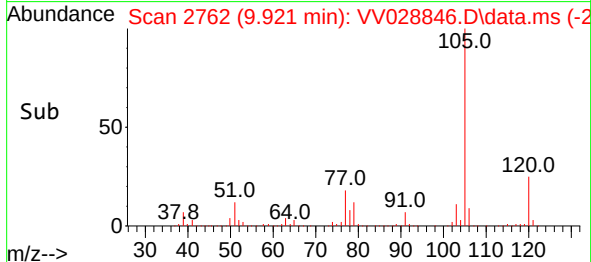
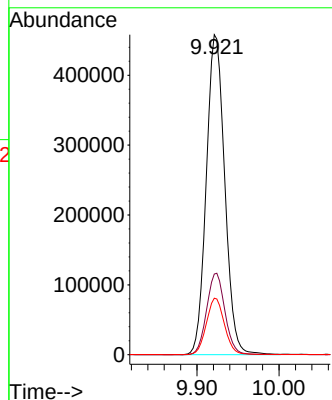
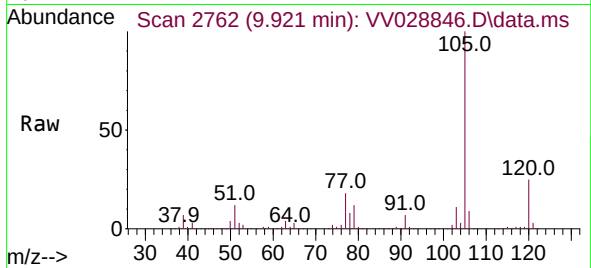




#60
Isopropylbenzene
Concen: 46.205 ug/L
RT: 9.921 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

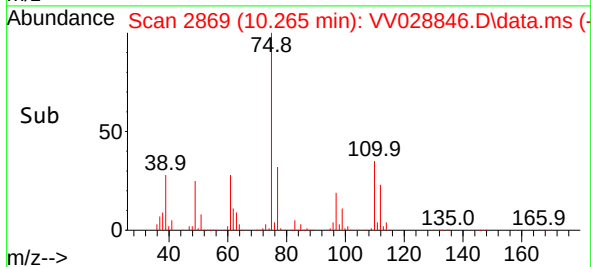
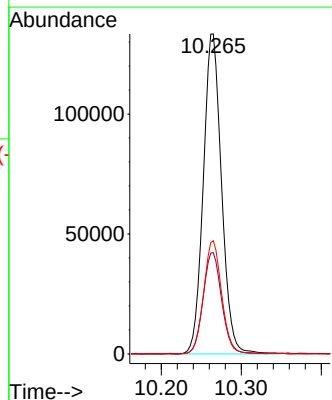
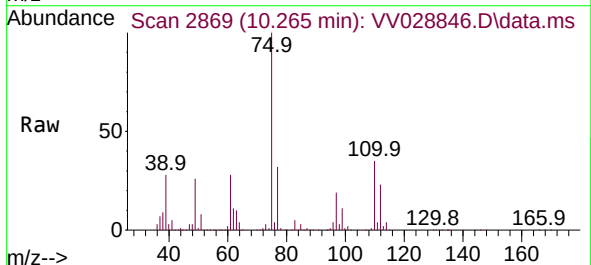
Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

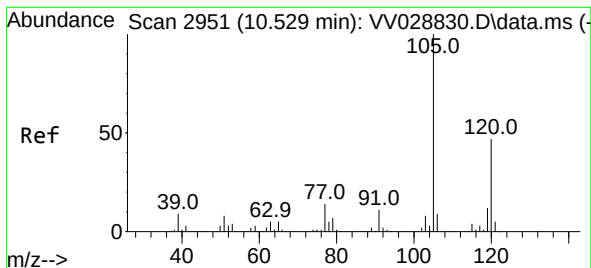
Tgt Ion:105 Resp: 715477
Ion Ratio Lower Upper
105 100
120 25.3 20.5 30.7
77 17.2 13.4 20.2



#61
1,2,3-Trichloropropane
Concen: 43.838 ug/L
RT: 10.265 min Scan# 2869
Delta R.T. -0.000 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

Tgt Ion: 75 Resp: 212279
Ion Ratio Lower Upper
75 100
77 32.1 25.6 38.4
110 34.8 28.2 42.2





#62

1,3,5-Trimethylbenzene

Concen: 46.622 ug/L

RT: 10.529 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VV028846.D

Acq: 03 Nov 2022 11:32

Instrument :

MSVOA_V

ClientSampleId :

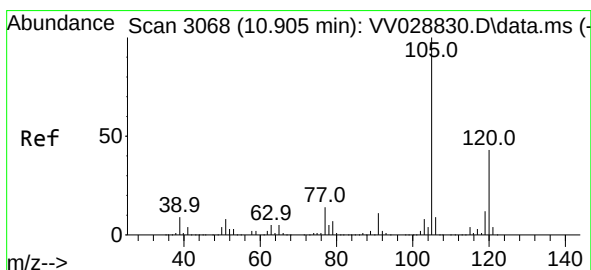
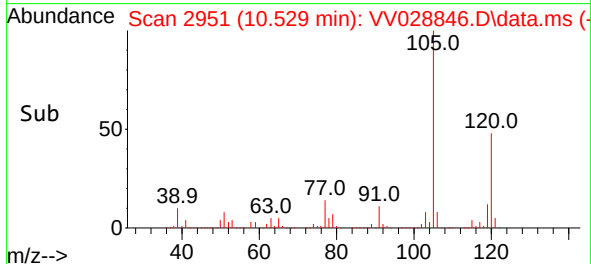
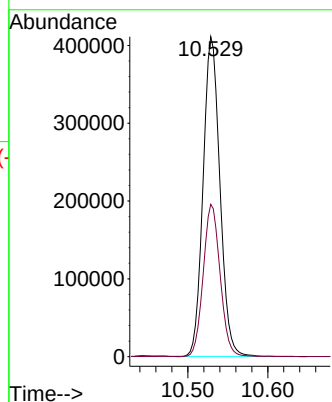
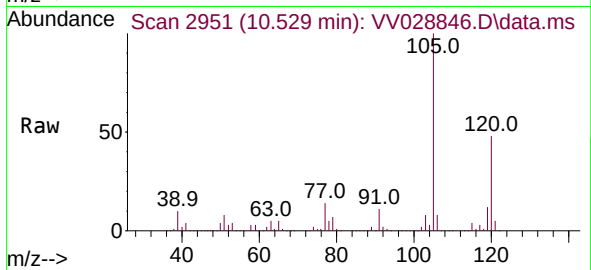
VSTD050370

Tgt Ion:105 Resp: 602711

Ion Ratio Lower Upper

105 100

120 47.9 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 46.527 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. -0.000 min

Lab File: VV028846.D

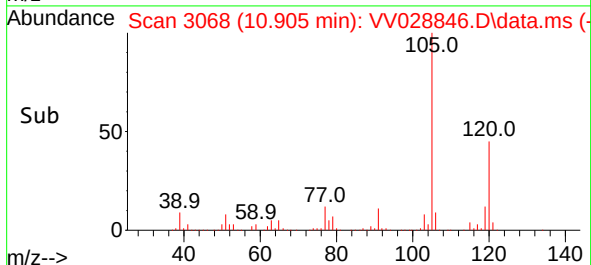
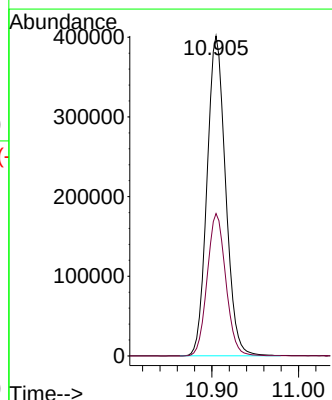
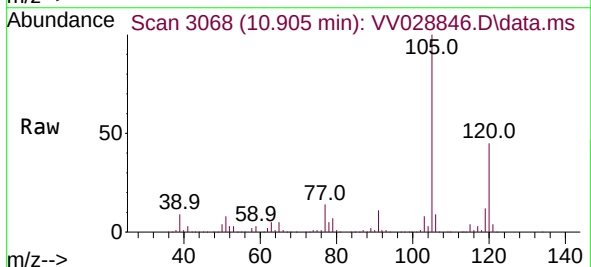
Acq: 03 Nov 2022 11:32

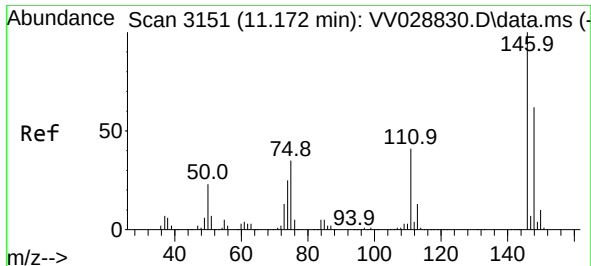
Tgt Ion:105 Resp: 598369

Ion Ratio Lower Upper

105 100

120 44.6 35.4 53.0

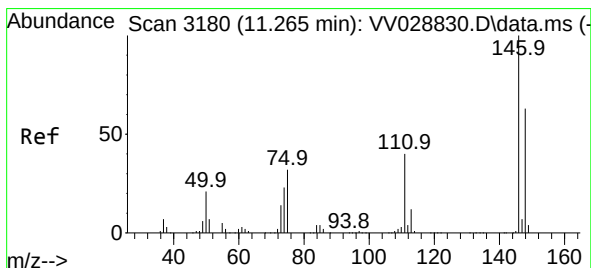
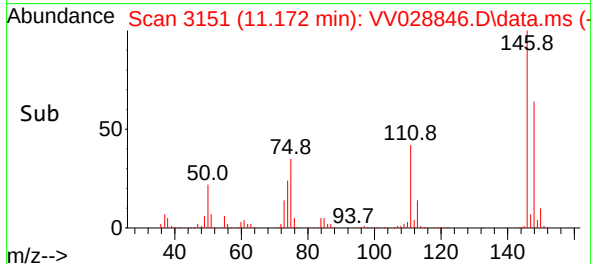
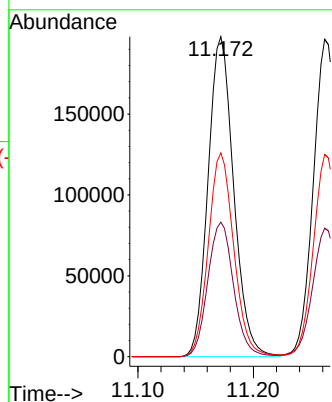
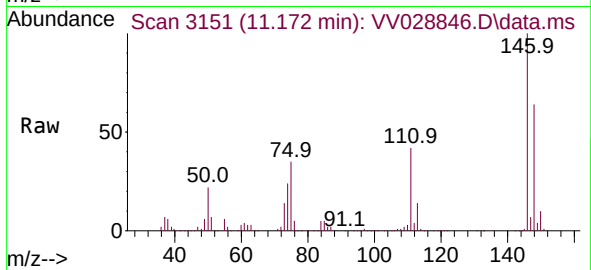




#64
1,3-Dichlorobenzene
Concen: 46.696 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

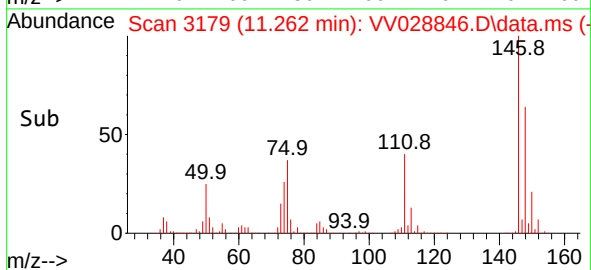
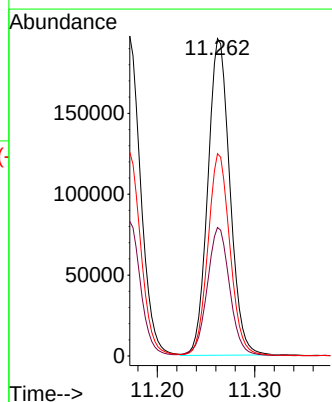
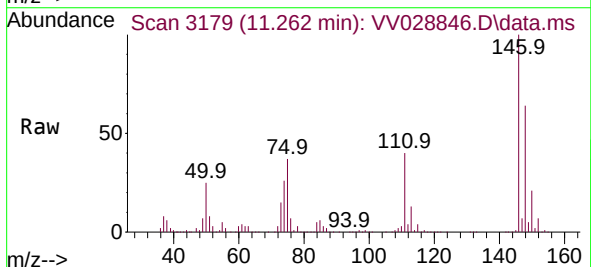
Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

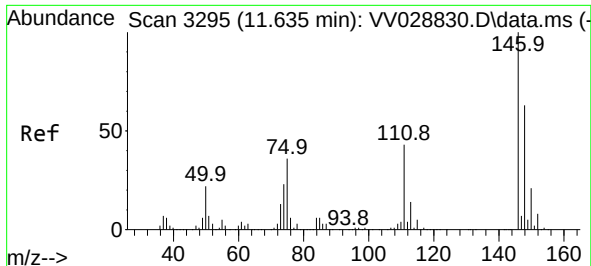
Tgt Ion:146 Resp: 305037
Ion Ratio Lower Upper
146 100
111 42.1 29.6 55.0
148 63.7 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 46.203 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VV028846.D
Acq: 03 Nov 2022 11:32

Tgt Ion:146 Resp: 307520
Ion Ratio Lower Upper
146 100
111 40.5 28.7 53.3
148 63.7 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 46.204 ug/L

RT: 11.632 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV028846.D

Acq: 03 Nov 2022 11:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD050370

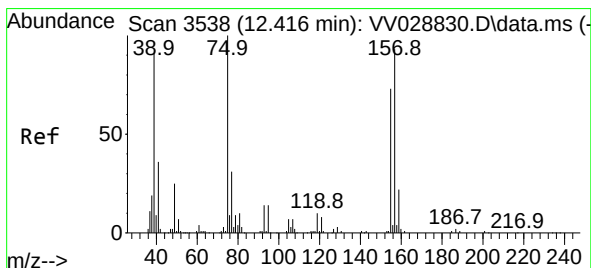
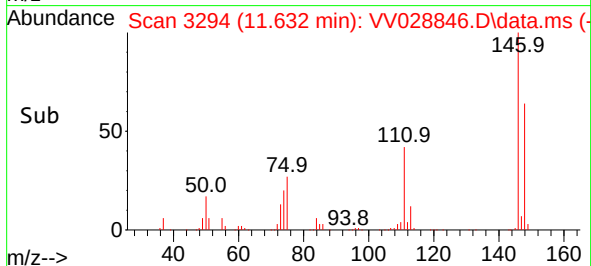
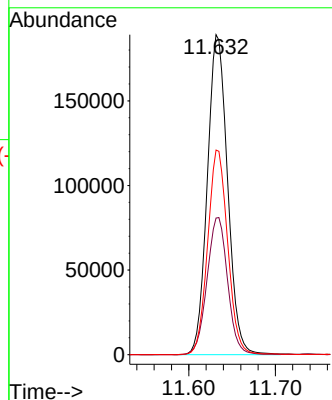
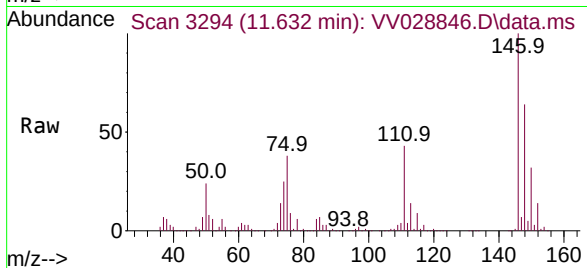
Tgt Ion:146 Resp: 307040

Ion Ratio Lower Upper

146 100

111 42.7 34.2 51.2

148 64.0 49.5 74.3



#68

1,2-Dibromo-3-chloropropane

Concen: 42.171 ug/L

RT: 12.416 min Scan# 3538

Delta R.T. -0.000 min

Lab File: VV028846.D

Acq: 03 Nov 2022 11:32

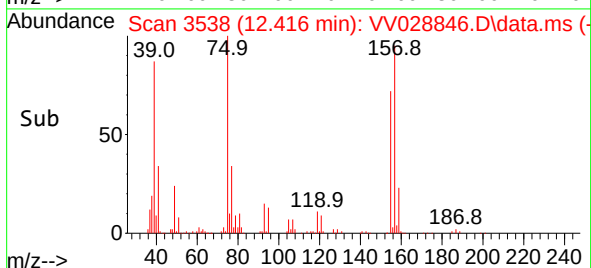
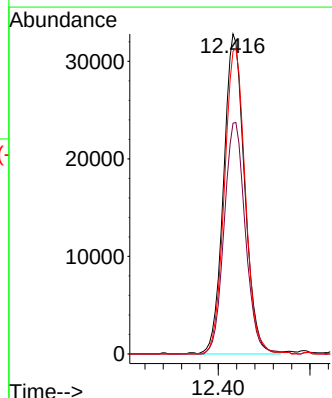
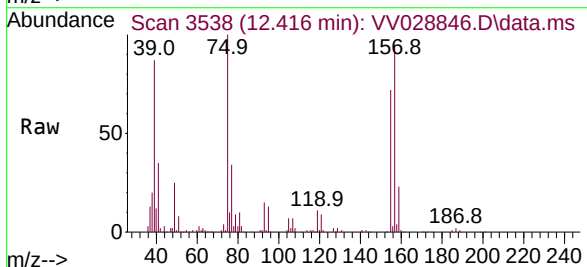
Tgt Ion: 75 Resp: 52025

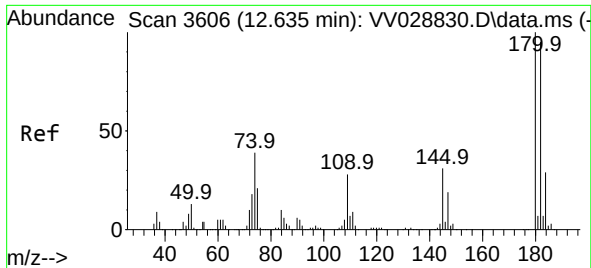
Ion Ratio Lower Upper

75 100

155 72.1 59.4 89.0

157 94.5 74.9 112.3

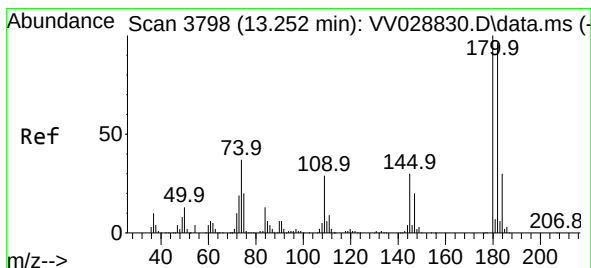
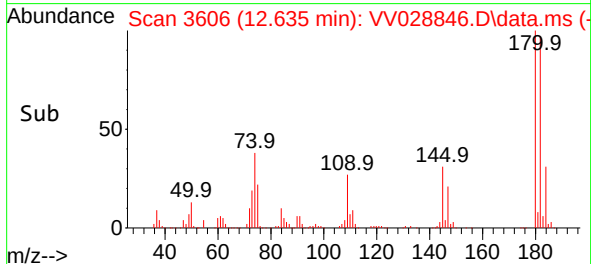
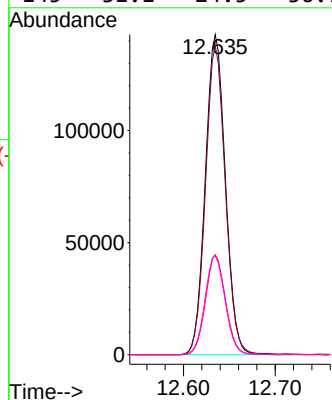
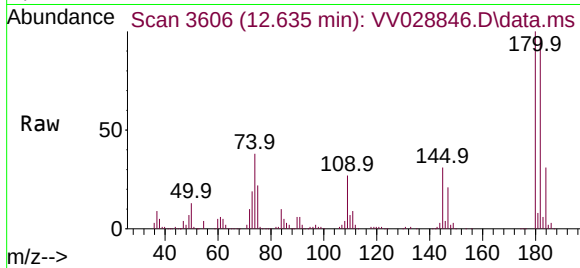




#69
 1,3,5-Trichlorobenzene
 Concen: 46.420 ug/L
 RT: 12.635 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: VV028846.D
 Acq: 03 Nov 2022 11:32

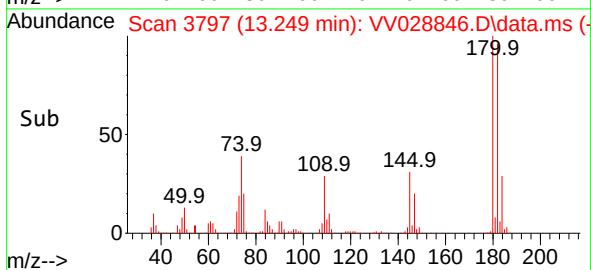
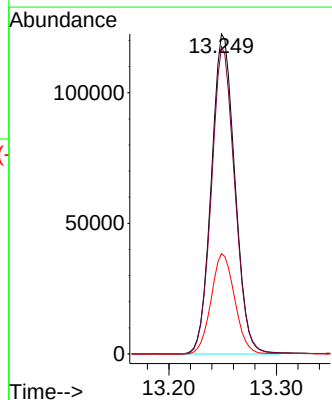
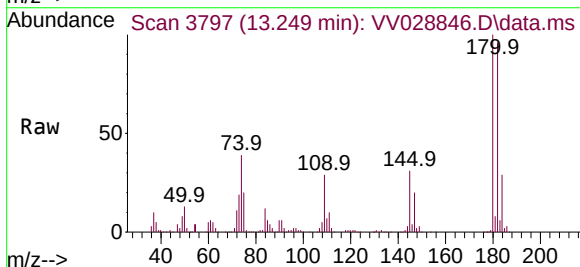
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050370

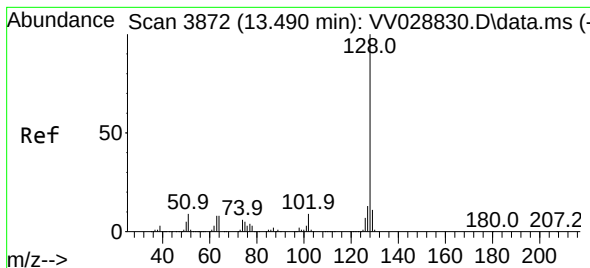
Tgt Ion:180 Resp: 217447
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.6 113.4
 184 31.0 23.9 35.9
 145 31.1 24.5 36.7



#70
 1,2,4-trichlorobenzene
 Concen: 46.326 ug/L
 RT: 13.249 min Scan# 3797
 Delta R.T. -0.003 min
 Lab File: VV028846.D
 Acq: 03 Nov 2022 11:32

Tgt Ion:180 Resp: 185707
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.6 115.0
 145 31.5 25.1 37.7





#71

Naphthalene

Concen: 43.936 ug/L

RT: 13.490 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV028846.D

Acq: 03 Nov 2022 11:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD050370

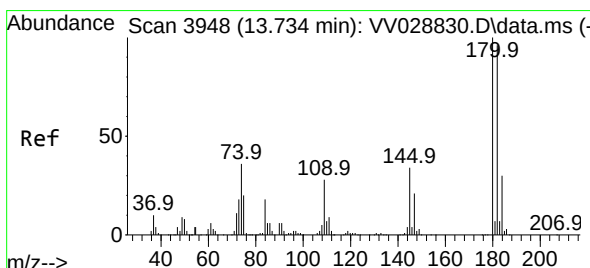
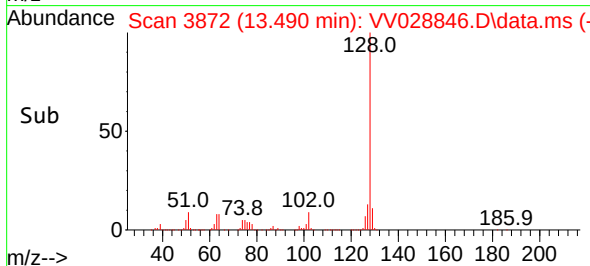
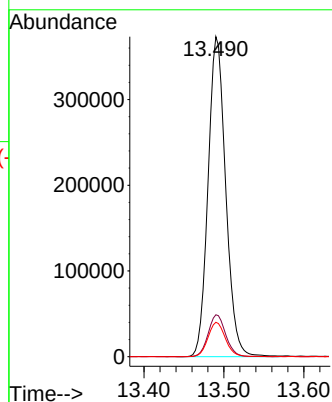
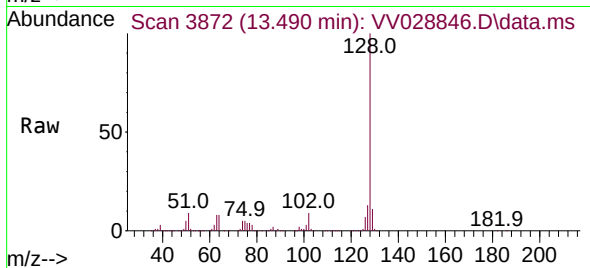
Tgt Ion:128 Resp: 573444

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.6 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 46.205 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. -0.000 min

Lab File: VV028846.D

Acq: 03 Nov 2022 11:32

Tgt Ion:180 Resp: 187477

Ion Ratio Lower Upper

180 100

182 96.3 75.5 113.3

145 33.0 26.2 39.4

