

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082321\
 Data File : VV021937.D
 Acq On : 23 Aug 2021 18:12
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050314

Quant Time: Aug 24 02:30:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM081621WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 24 02:24:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	411276	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	392954	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	211922	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	123352	38.365	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.740%
7) Chloroethane-d5	1.561	69	100428	41.392	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.780%
11) 1,1-Dichloroethene-d2	2.108	63	205483	40.150	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.300%
21) 2-Butanone-d5	3.876	46	194232	97.133	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.130%
24) Chloroform-d	4.352	84	250561	44.980	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.960%
26) 1,2-Dichloroethane-d4	5.034	65	148773	46.430	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.860%
32) Benzene-d6	5.050	84	509541	45.092	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.180%
36) 1,2-Dichloropropane-d6	6.072	67	160905	45.726	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.460%
41) Toluene-d8	7.317	98	483009	46.246	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.500%
43) trans-1,3-Dichloroprop...	7.622	79	76786	44.338	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.680%
47) 2-Hexanone-d5	8.088	63	132851	115.190	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.190%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	222631	51.054	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.100%
66) 1,2-Dichlorobenzene-d4	11.625	152	199784	45.553	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	139059	43.704	ug/L	100
3) Chloromethane	1.243	50	150076	45.417	ug/L	99
5) Vinyl chloride	1.311	62	148589	45.666	ug/L	100
6) Bromomethane	1.513	94	97068	49.633	ug/L	98
8) Chloroethane	1.581	64	92722	47.687	ug/L	99
9) Trichlorofluoromethane	1.751	101	203383	45.621	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	113751	44.566	ug/L	98
12) 1,1-Dichloroethene	2.114	96	111163	45.724	ug/L	98
13) Acetone	2.159	43	120024	72.947	ug/L #	100
14) Carbon disulfide	2.291	76	358577	43.835	ug/L	100
15) Methyl Acetate	2.426	43	160542	53.112	ug/L	97
16) Methylene chloride	2.503	84	168814	49.921	ug/L	98
17) trans-1,2-Dichloroethene	2.757	96	139581	48.927	ug/L	98
18) Methyl tert-butyl Ether	2.770	73	437760	49.895	ug/L	99
19) 1,1-Dichloroethane	3.188	63	250234	49.276	ug/L	100
20) cis-1,2-Dichloroethene	3.915	96	153577	46.489	ug/L	99
22) 2-Butanone	3.960	43	211938	88.447	ug/L	95
23) Bromochloromethane	4.249	128	82564	47.108	ug/L	97
25) Chloroform	4.378	83	258831	47.368	ug/L	100

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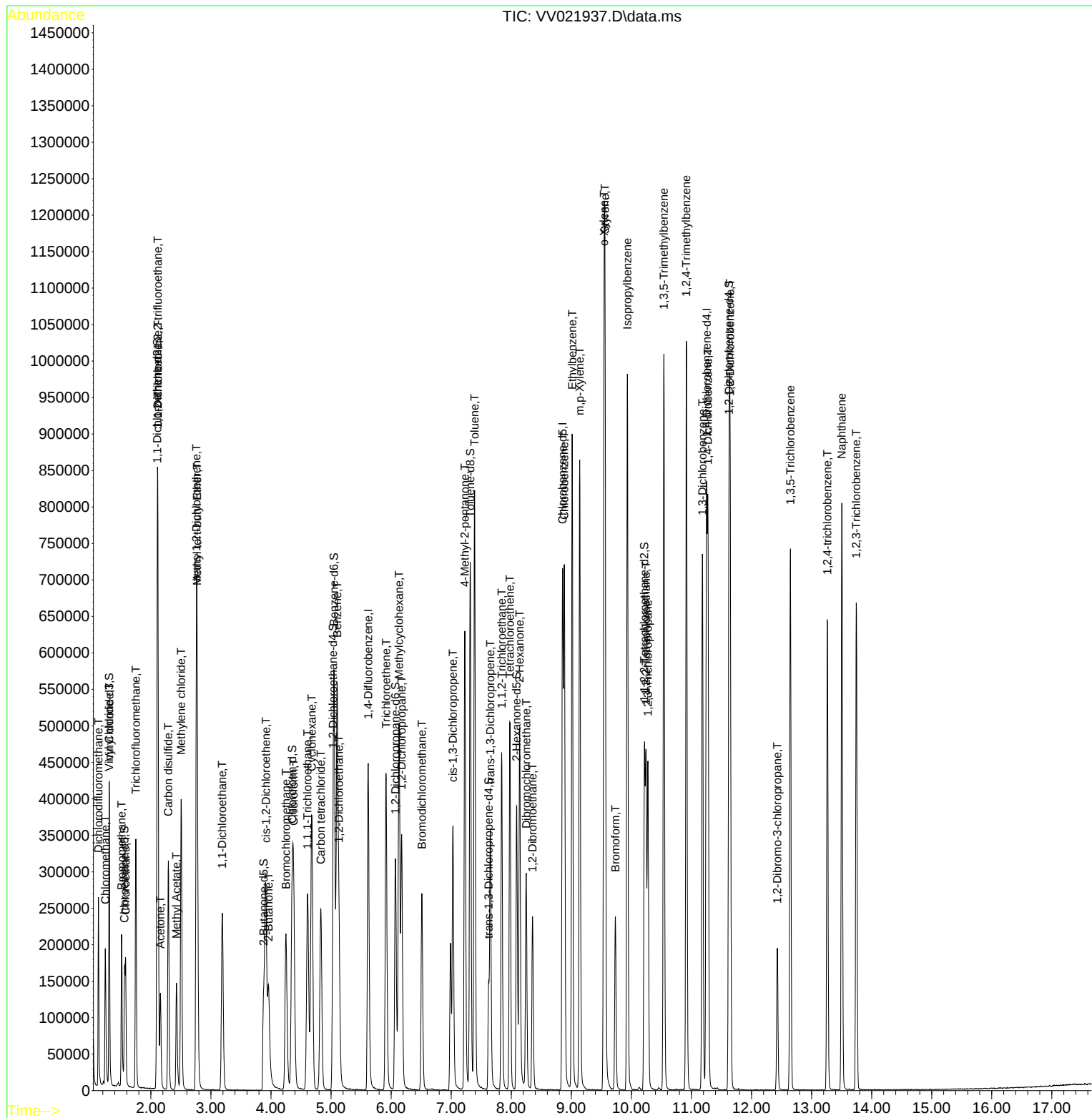
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	180518	46.889	ug/L	99
29) Cyclohexane	4.680	56	215043	44.434	ug/L	99
30) 1,1,1-Trichloroethane	4.609	97	226214	46.006	ug/L	99
31) Carbon tetrachloride	4.828	117	193344	45.443	ug/L	98
33) Benzene	5.101	78	564167	46.655	ug/L	100
34) Trichloroethene	5.915	95	151385	43.564	ug/L	99
35) Methylcyclohexane	6.134	83	222855	43.958	ug/L	99
37) 1,2-Dichloropropane	6.175	63	142229	46.451	ug/L	99
38) Bromodichloromethane	6.513	83	183855	45.558	ug/L	98
39) cis-1,3-Dichloropropene	7.031	75	214852	44.313	ug/L	100
40) 4-Methyl-2-pentanone	7.227	43	408600	97.011	ug/L	99
42) Toluene	7.391	91	605028	46.847	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	204093	44.667	ug/L	100
45) 1,1,2-Trichloroethane	7.841	97	145171	47.329	ug/L	99
46) Tetrachloroethene	7.979	164	117677	45.567	ug/L	99
48) 2-Hexanone	8.140	43	297349	91.140	ug/L	97
49) Dibromochloromethane	8.249	129	154241	45.544	ug/L	99
50) 1,2-Dibromoethane	8.355	107	156142	46.778	ug/L	99
51) Chlorobenzene	8.883	112	391940	46.480	ug/L	99
52) Ethylbenzene	9.014	91	642777	46.651	ug/L	99
53) m,p-Xylene	9.140	106	251686	47.133	ug/L	98
54) o-Xylene	9.545	106	248892	47.021	ug/L	99
55) Styrene	9.561	104	429646	48.472	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.243	83	222566	52.123	ug/L	98
59) Bromoform	9.735	173	108189	42.945	ug/L	98
60) Isopropylbenzene	9.934	105	648874	45.670	ug/L	99
61) 1,2,3-Trichloropropane	10.275	75	181585	46.366	ug/L	100
62) 1,3,5-Trimethylbenzene	10.542	105	545767	45.775	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	557141	45.958	ug/L	100
64) 1,3-Dichlorobenzene	11.185	146	313189	45.519	ug/L	99
65) 1,4-Dichlorobenzene	11.275	146	316568	46.094	ug/L	100
67) 1,2-Dichlorobenzene	11.645	146	320062	46.112	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.429	75	44298	46.522	ug/L	95
69) 1,3,5-Trichlorobenzene	12.648	180	229170	45.949	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	201620	48.201	ug/L	99
71) Naphthalene	13.503	128	634368	52.210	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	205869	48.992	ug/L	99

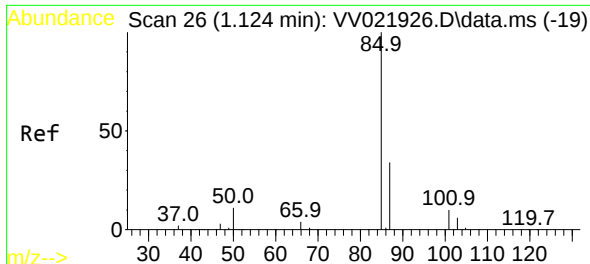
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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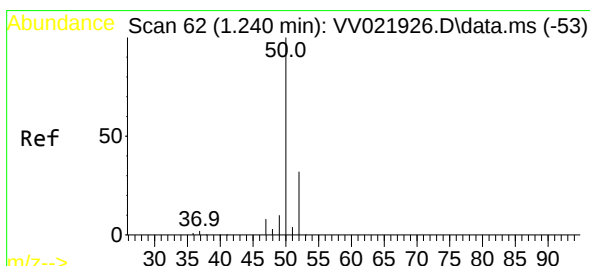
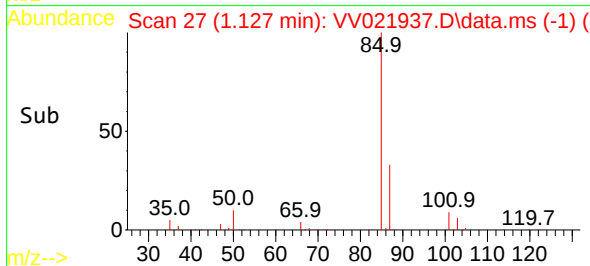
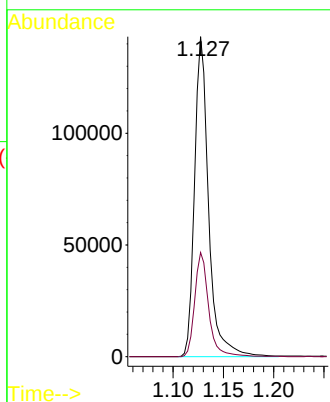
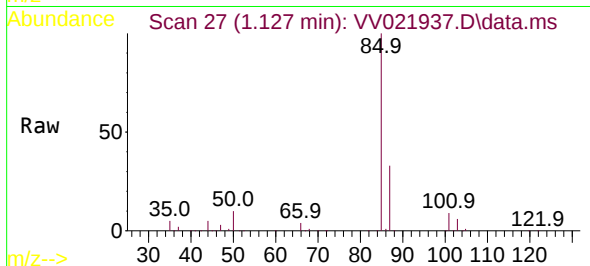




#2
Dichlorodifluoromethane
Concen: 43.704 ug/L
RT: 1.127 min Scan# 27
Delta R.T. 0.003 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

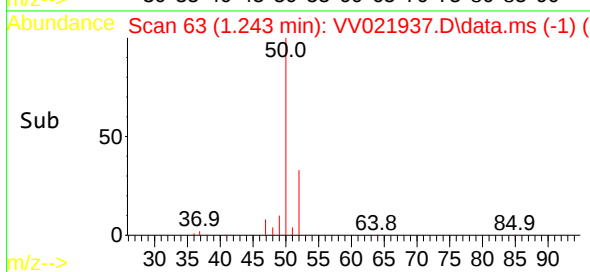
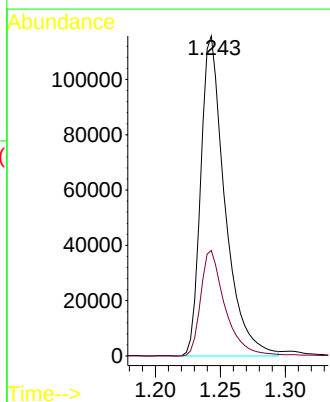
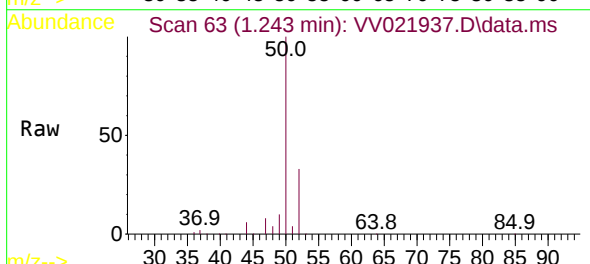
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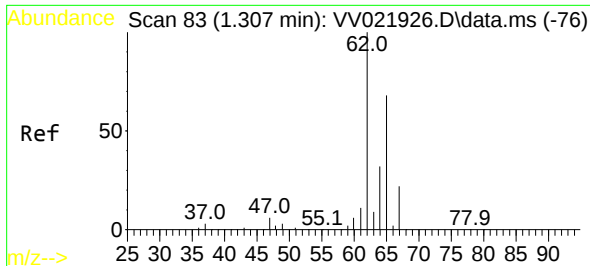
Tgt Ion: 85 Resp: 139059
Ion Ratio Lower Upper
85 100
87 32.4 26.1 39.1



#3
Chloromethane
Concen: 45.417 ug/L
RT: 1.243 min Scan# 63
Delta R.T. 0.003 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Tgt Ion: 50 Resp: 150076
Ion Ratio Lower Upper
50 100
52 33.0 22.7 42.1

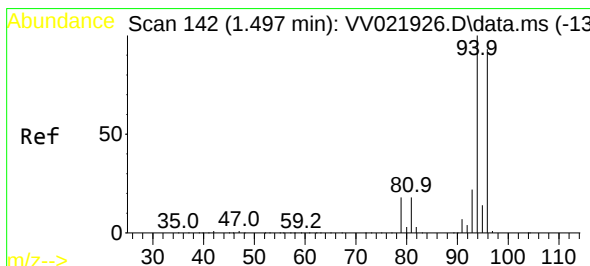
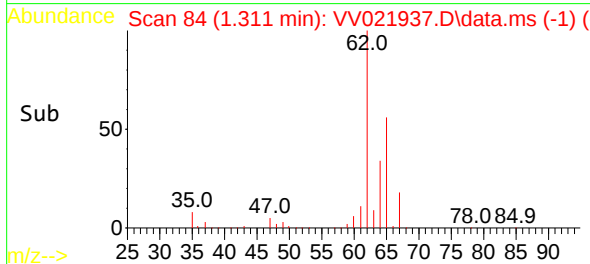
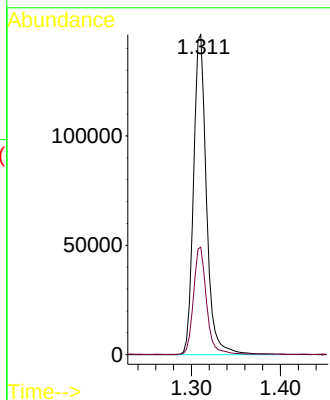
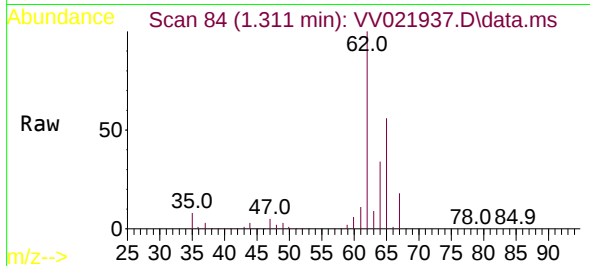




#5
 Vinyl chloride
 Concen: 45.666 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV021937.D
 Acq: 23 Aug 2021 18:12

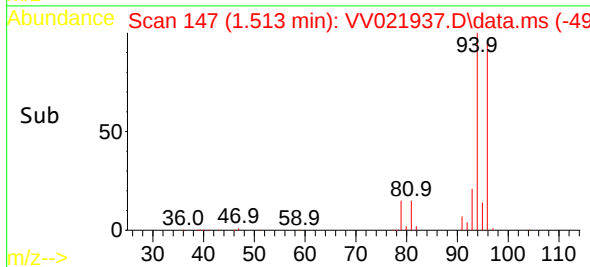
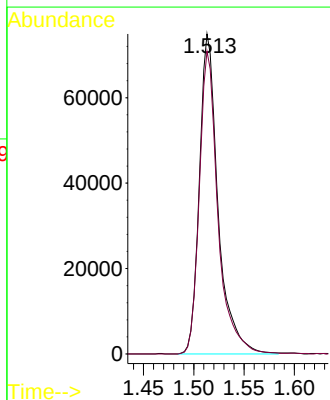
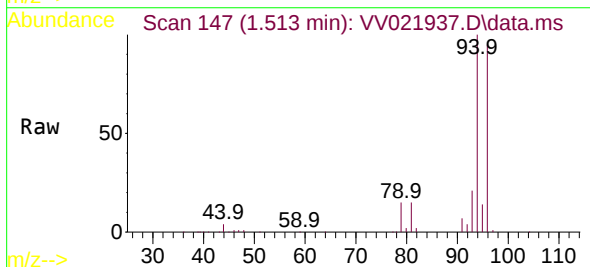
Instrument :
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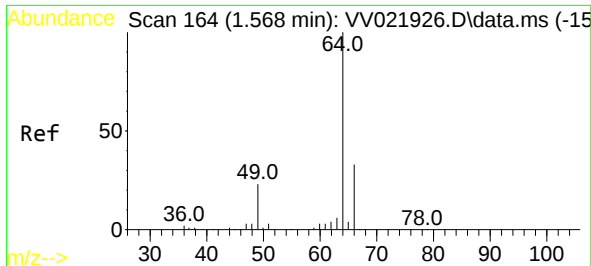
Tgt Ion: 62 Resp: 148589
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.4 43.4



#6
 Bromomethane
 Concen: 49.633 ug/L
 RT: 1.513 min Scan# 147
 Delta R.T. 0.016 min
 Lab File: VV021937.D
 Acq: 23 Aug 2021 18:12

Tgt Ion: 94 Resp: 97068
 Ion Ratio Lower Upper
 94 100
 96 94.6 64.8 120.3

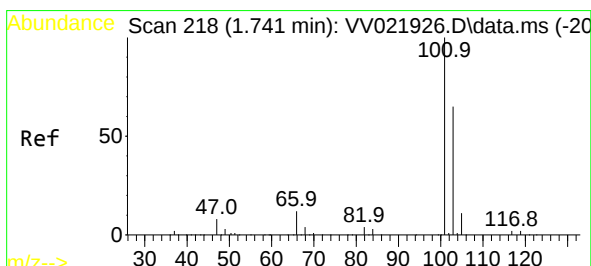
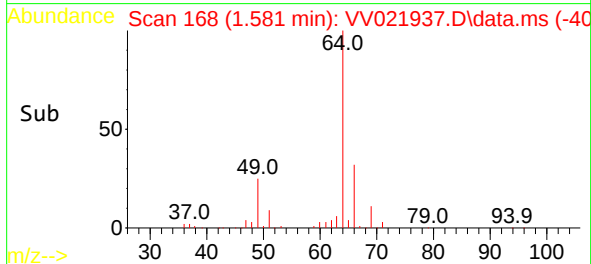
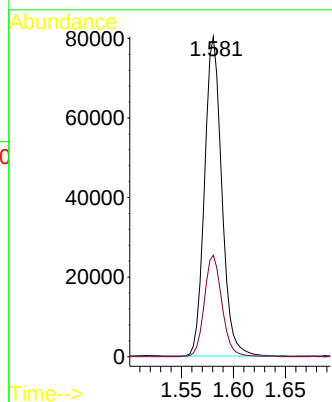
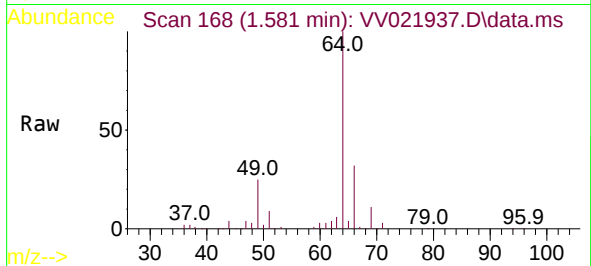




#8
Chloroethane
Concen: 47.687 ug/L
RT: 1.581 min Scan# 168
Delta R.T. 0.013 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

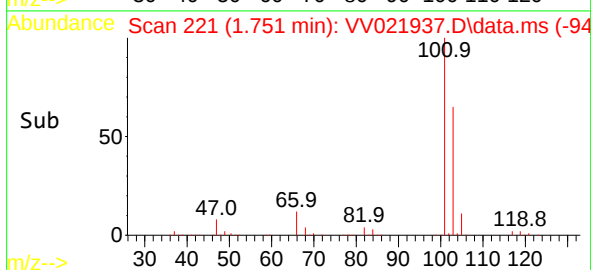
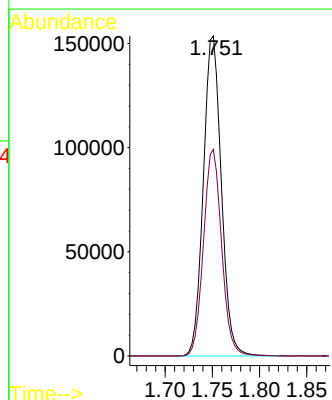
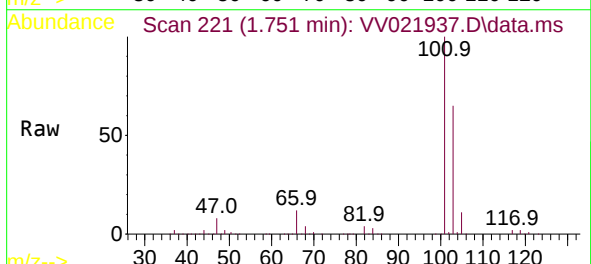
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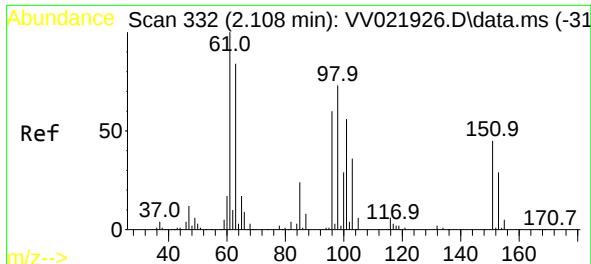
Tgt Ion: 64 Resp: 92722
Ion Ratio Lower Upper
64 100
66 31.7 22.6 42.0



#9
Trichlorofluoromethane
Concen: 45.621 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.010 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Tgt Ion:101 Resp: 203383
Ion Ratio Lower Upper
101 100
103 64.9 51.8 77.8

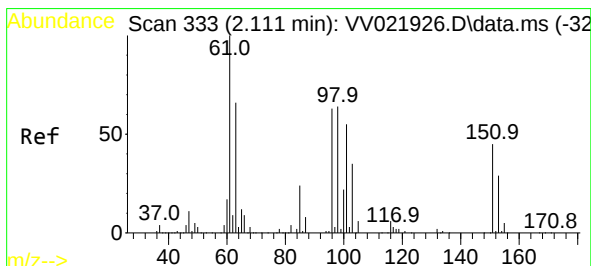
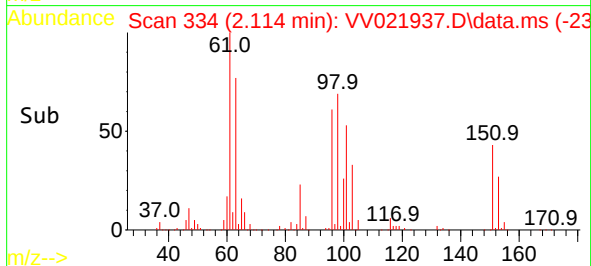
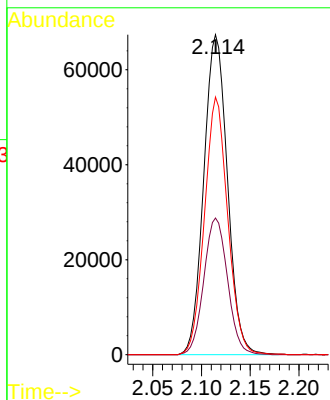
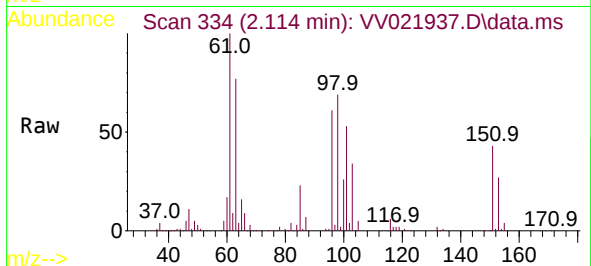




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 44.566 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.007 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

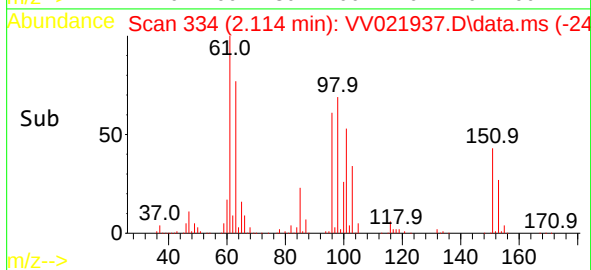
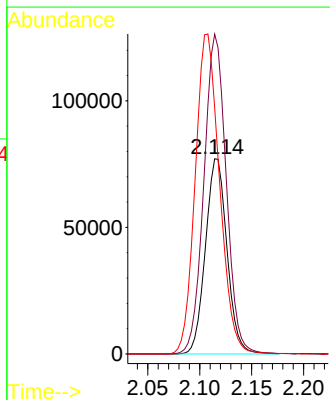
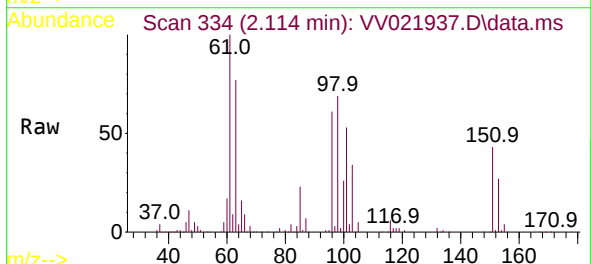
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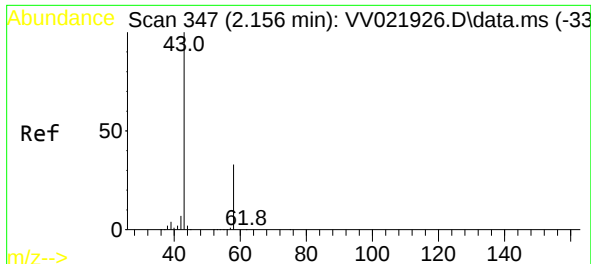
Tgt Ion:101 Resp: 113751
Ion Ratio Lower Upper
101 100
85 42.8 33.4 50.2
151 79.0 62.2 93.2



#12
1,1-Dichloroethene
Concen: 45.724 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.003 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Tgt Ion: 96 Resp: 111163
Ion Ratio Lower Upper
96 100
61 163.9 115.5 214.5
63 126.2 90.3 167.7

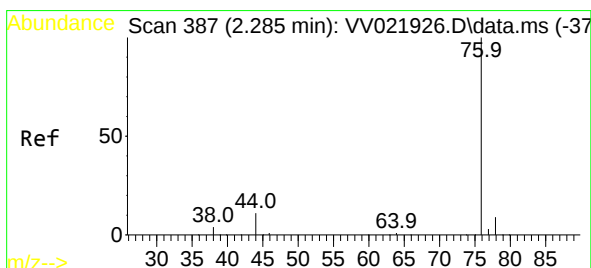
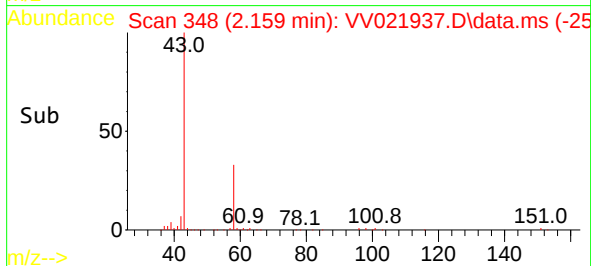
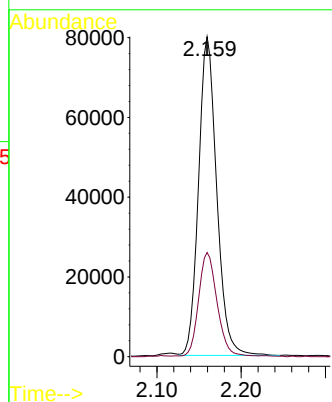
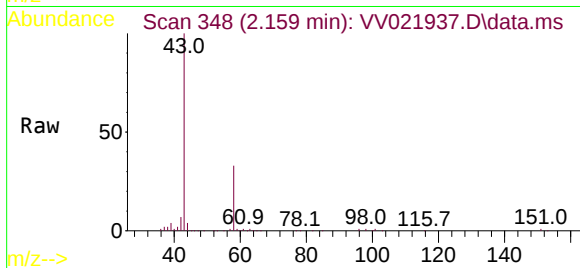




#13
Acetone
Concen: 72.947 ug/L
RT: 2.159 min Scan# 348
Delta R.T. 0.003 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

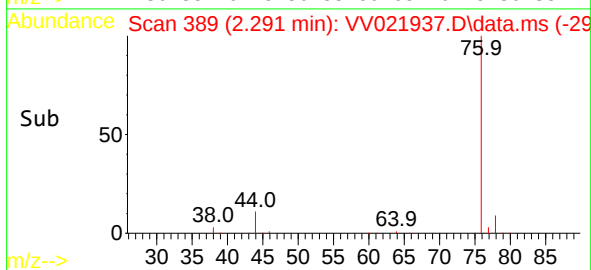
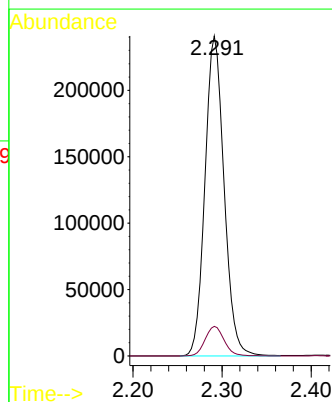
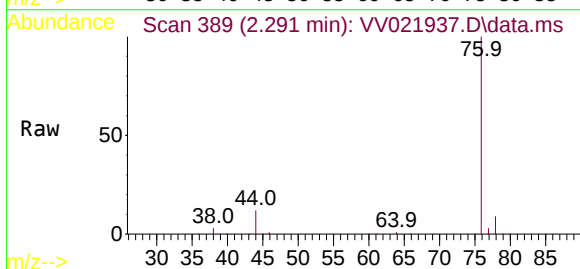
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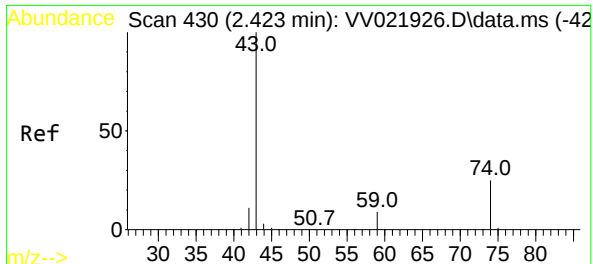
Tgt Ion: 43 Resp: 120024
Ion Ratio Lower Upper
43 100
58 33.4 0.0 0.0#



#14
Carbon disulfide
Concen: 43.835 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.007 min
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Tgt Ion: 76 Resp: 358577
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3

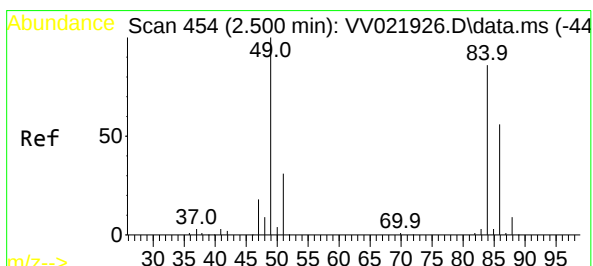
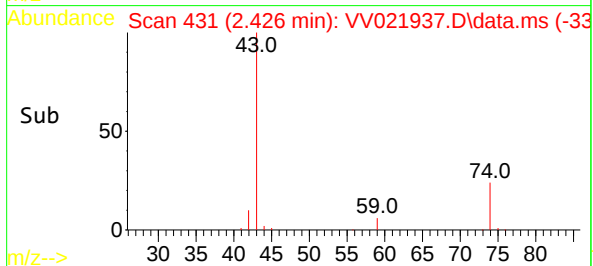
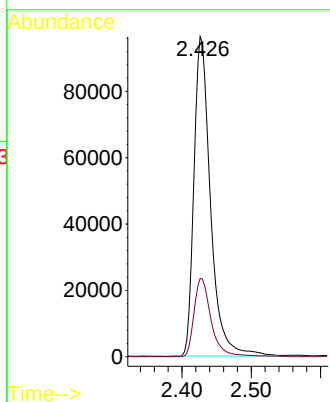
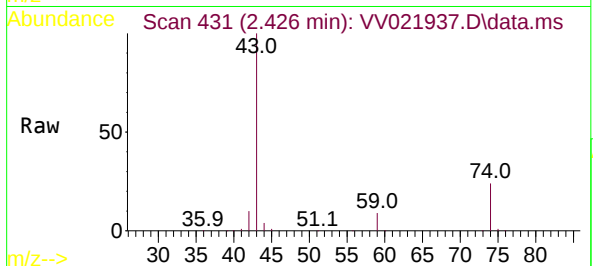




#15
Methyl Acetate
Concen: 53.112 ug/L
RT: 2.426 min Scan# 431
Delta R.T. 0.003 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

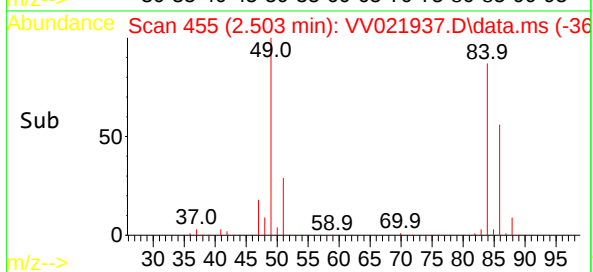
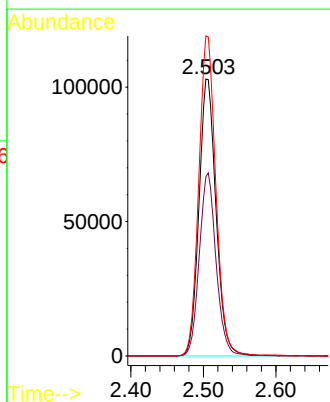
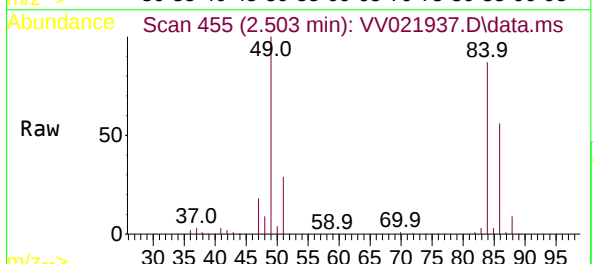
Instrument :
MSVOA_V
ClientSampleId :
VSTD050314

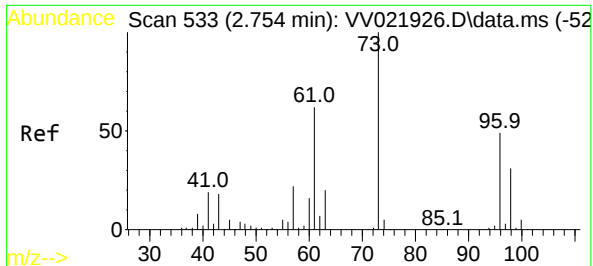
Tgt Ion: 43 Resp: 160542
Ion Ratio Lower Upper
43 100
74 25.1 19.0 28.6



#16
Methylene chloride
Concen: 49.921 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.003 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Tgt Ion: 84 Resp: 168814
Ion Ratio Lower Upper
84 100
86 64.7 44.7 83.1
49 115.5 82.5 153.3

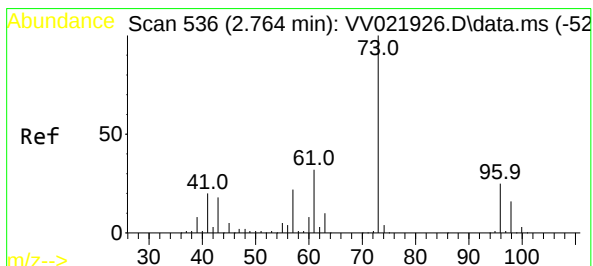
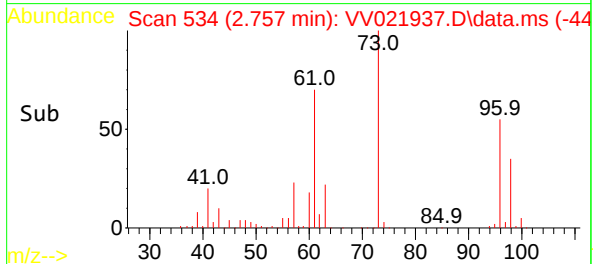
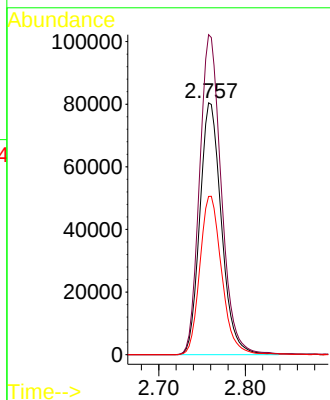
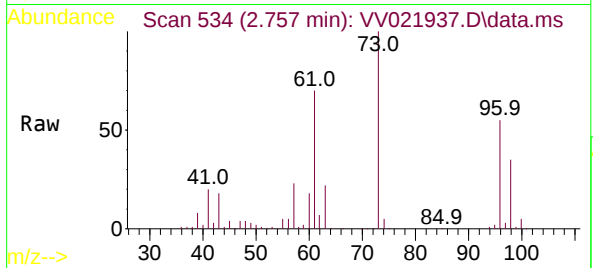




#17
trans-1,2-Dichloroethene
Concen: 48.927 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.003 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

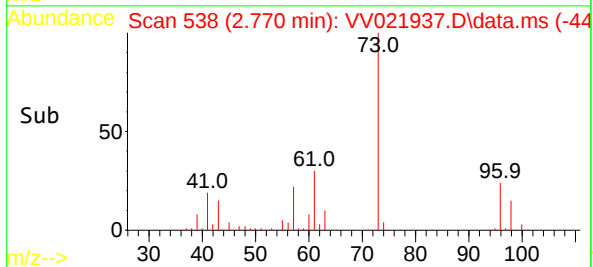
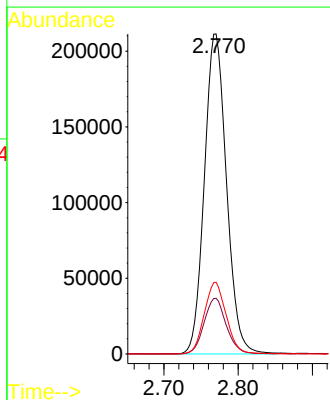
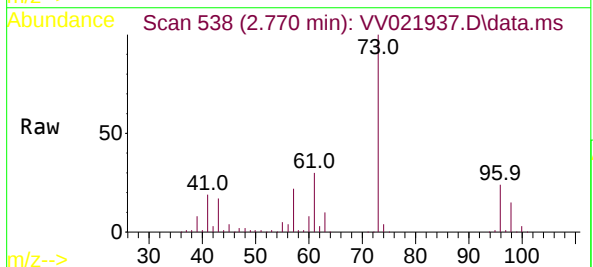
Instrument :
MSVOA_V
ClientSampleId :
VSTD050314

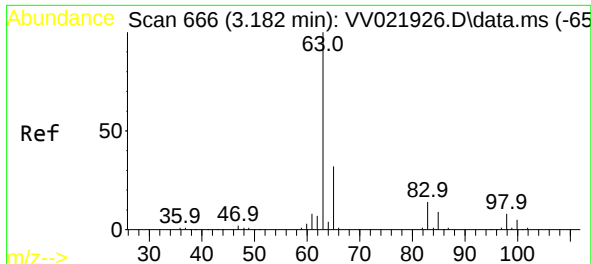
Tgt Ion: 96 Resp: 139581
Ion Ratio Lower Upper
96 100
61 127.0 90.4 168.0
98 62.8 44.4 82.5



#18
Methyl tert-butyl Ether
Concen: 49.895 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.007 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Tgt Ion: 73 Resp: 437760
Ion Ratio Lower Upper
73 100
43 17.2 14.2 21.4
57 22.2 17.7 26.5





#19

1,1-Dichloroethane

Concen: 49.276 ug/L

RT: 3.188 min Scan# 668

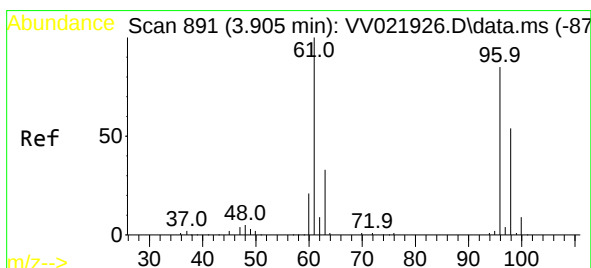
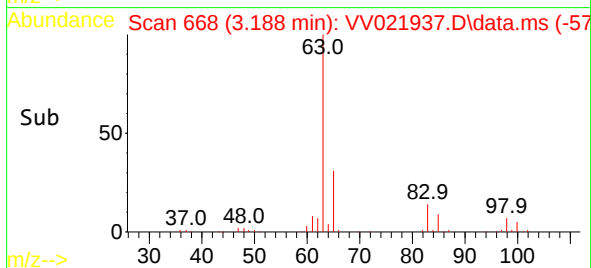
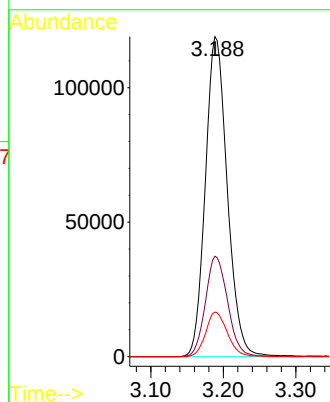
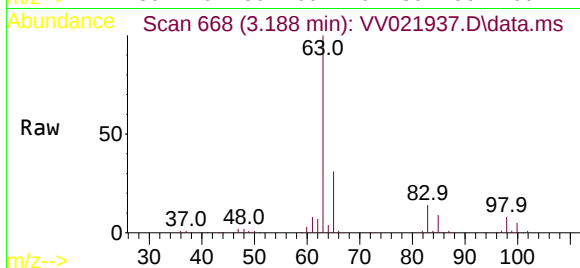
Delta R.T. 0.007 min

Lab File: VV021937.D

Acq: 23 Aug 2021 18:12

Tgt Ion: 63 Resp: 250234

Ion	Ratio	Lower	Upper
63	100		
65	31.4	21.8	40.6
83	14.0	9.6	17.8



#20

cis-1,2-Dichloroethene

Concen: 46.489 ug/L

RT: 3.915 min Scan# 894

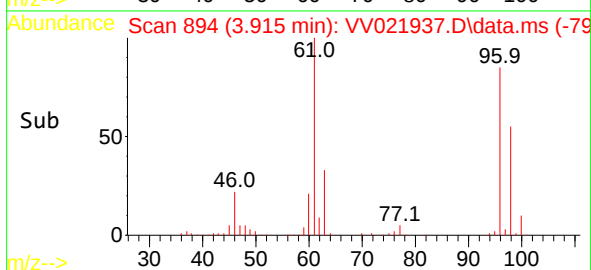
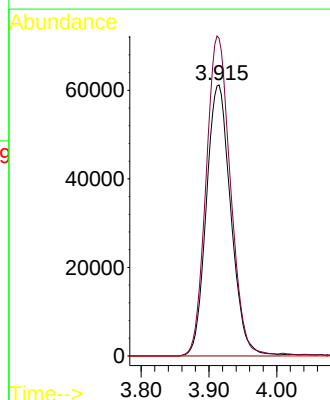
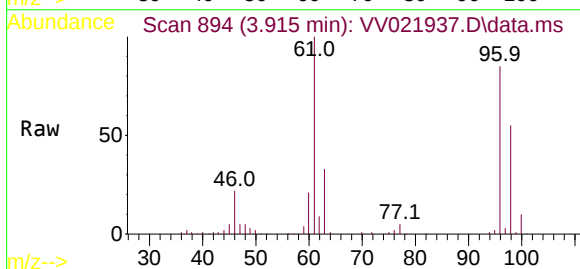
Delta R.T. 0.010 min

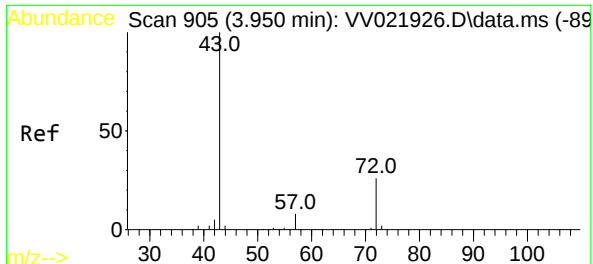
Lab File: VV021937.D

Acq: 23 Aug 2021 18:12

Tgt Ion: 96 Resp: 153577

Ion	Ratio	Lower	Upper
96	100		
61	117.2	81.0	150.4
68	0.0	0.0	0.0

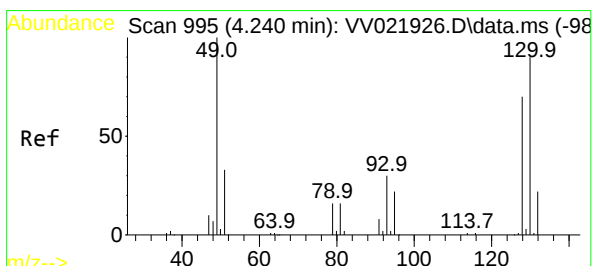
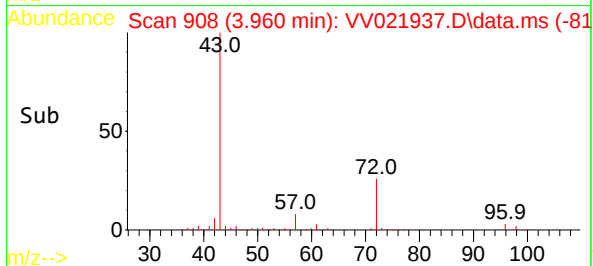
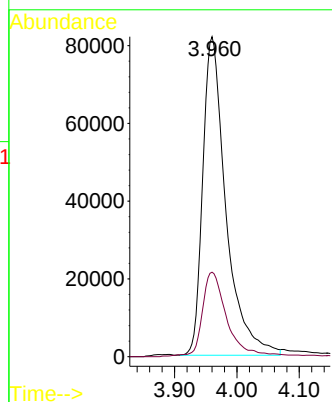
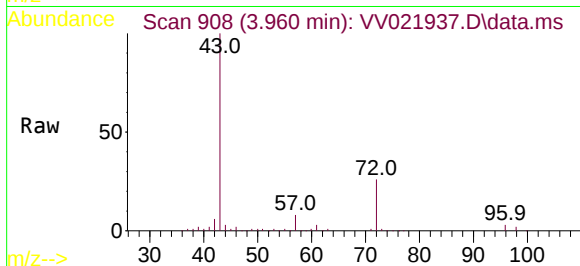




#22
2-Butanone
Concen: 88.447 ug/L
RT: 3.960 min Scan# 908
Delta R.T. 0.010 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

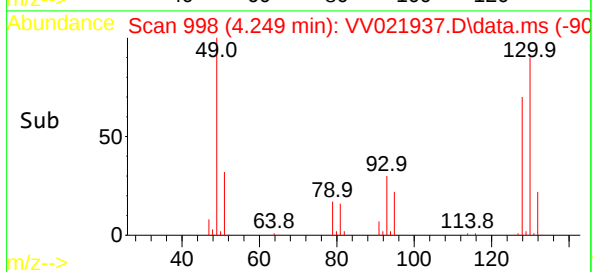
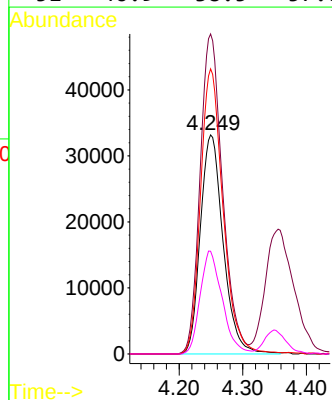
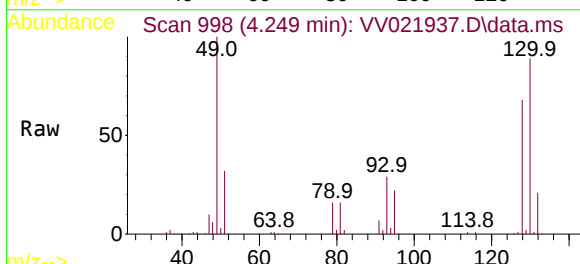
Instrument :
MSVOA_V
ClientSampleId :
VSTD050314

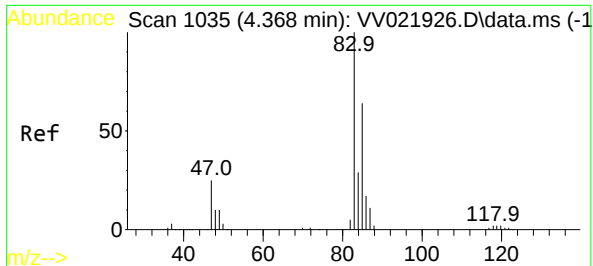
Tgt Ion: 43 Resp: 211938
Ion Ratio Lower Upper
43 100
72 24.9 13.6 40.8



#23
Bromochloromethane
Concen: 47.108 ug/L
RT: 4.249 min Scan# 998
Delta R.T. 0.010 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Tgt Ion: 128 Resp: 82564
Ion Ratio Lower Upper
128 100
49 146.1 105.6 196.0
130 130.2 89.5 166.1
51 46.9 38.5 57.7





#25

Chloroform

Concen: 47.368 ug/L

RT: 4.378 min Scan# 1038

Delta R.T. 0.010 min

Lab File: VV021937.D

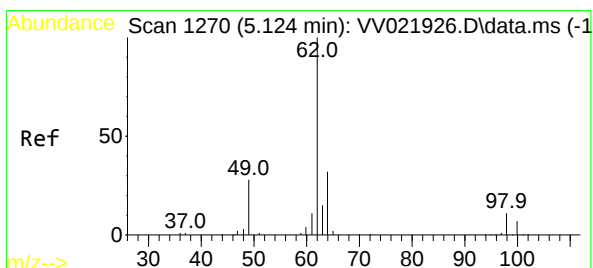
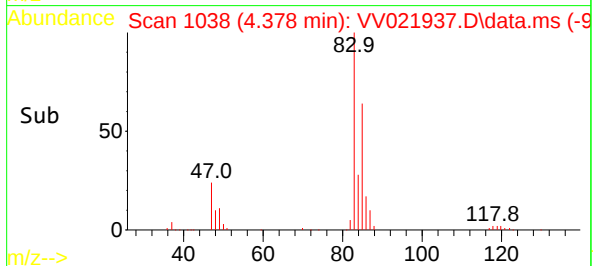
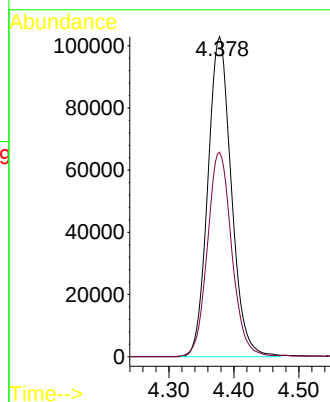
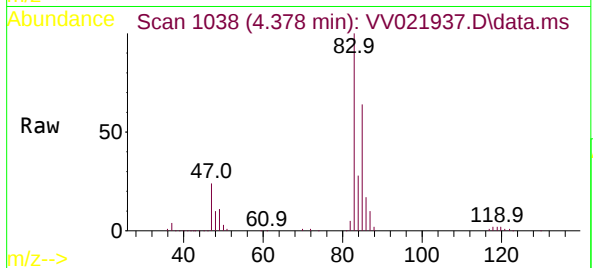
Acq: 23 Aug 2021 18:12

Tgt Ion: 83 Resp: 258831

Ion Ratio Lower Upper

83 100

85 63.9 44.8 83.2



#27

1,2-Dichloroethane

Concen: 46.889 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.007 min

Lab File: VV021937.D

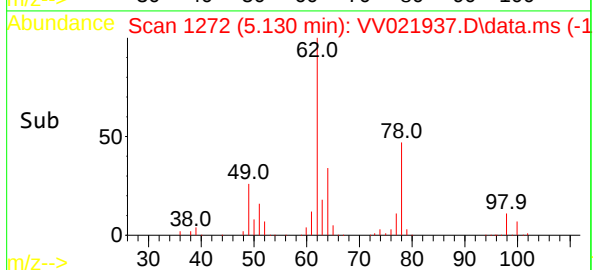
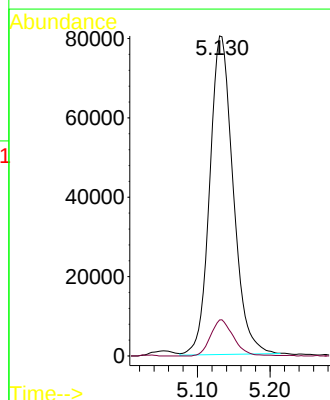
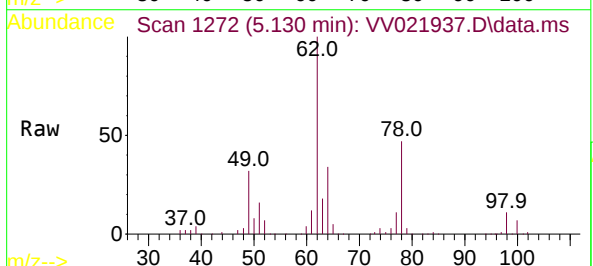
Acq: 23 Aug 2021 18:12

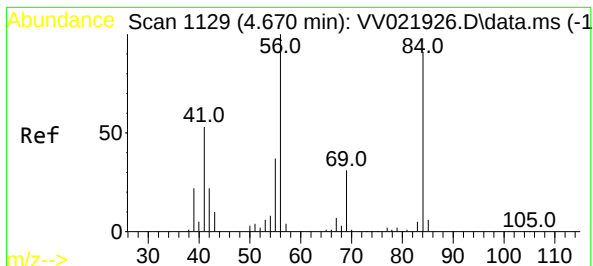
Tgt Ion: 62 Resp: 180518

Ion Ratio Lower Upper

62 100

98 11.2 8.6 13.0





#29

Cyclohexane

Concen: 44.434 ug/L

RT: 4.680 min Scan# 1132

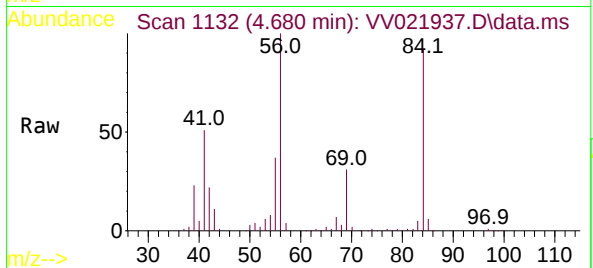
Delta R.T. 0.010 min

Lab File: VV021937.D

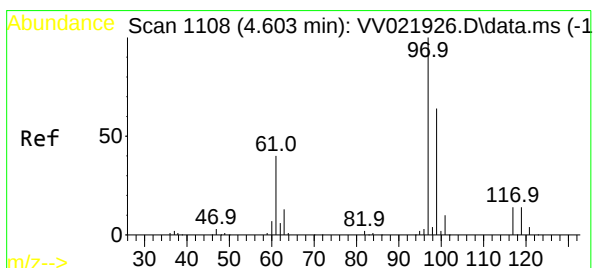
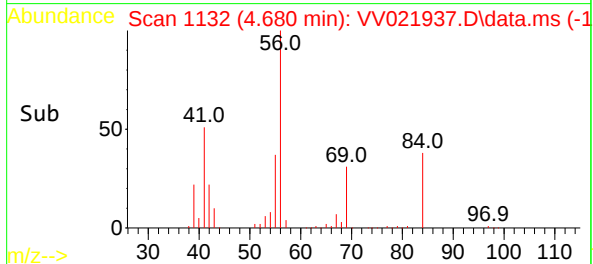
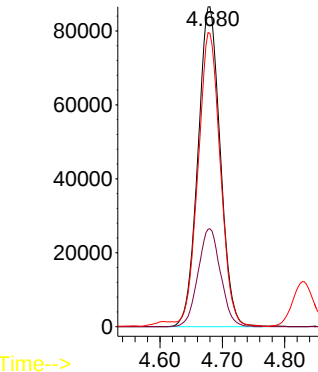
Acq: 23 Aug 2021 18:12

Tgt Ion: 56 Resp: 215043

Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.9	37.3
84	91.4	72.6	109.0



Abundance



#30

1,1,1-Trichloroethane

Concen: 46.006 ug/L

RT: 4.609 min Scan# 1110

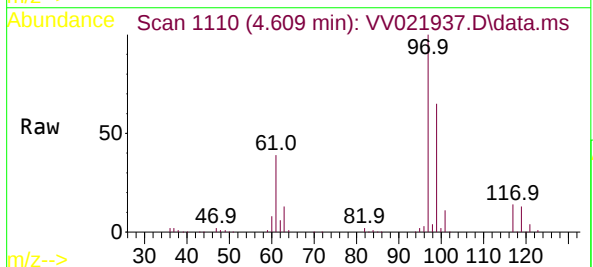
Delta R.T. 0.007 min

Lab File: VV021937.D

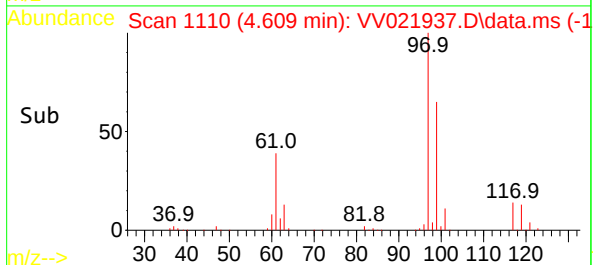
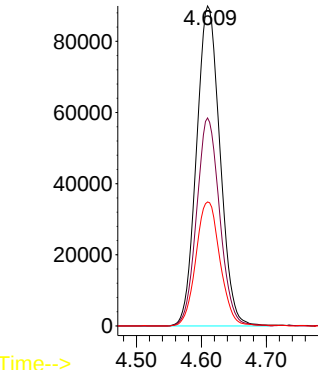
Acq: 23 Aug 2021 18:12

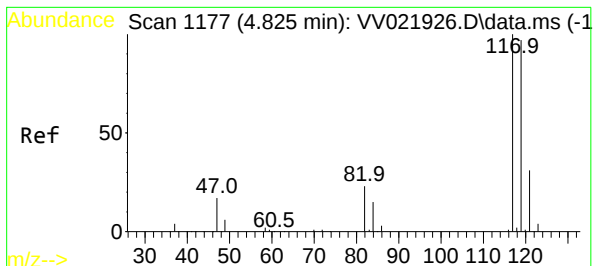
Tgt Ion: 97 Resp: 226214

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.4
61	39.7	32.3	48.5



Abundance

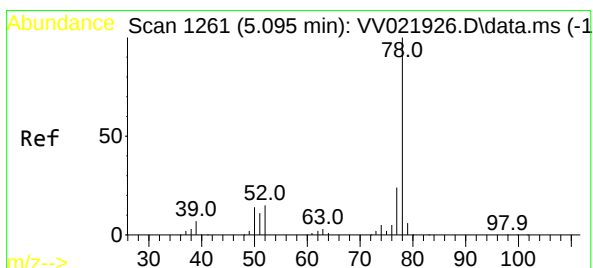
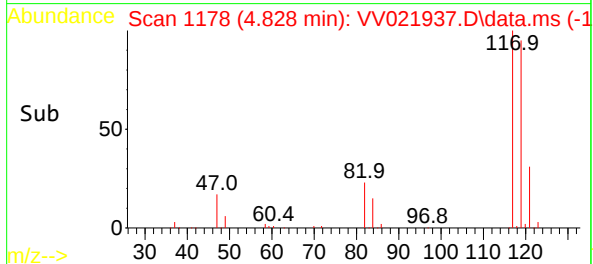
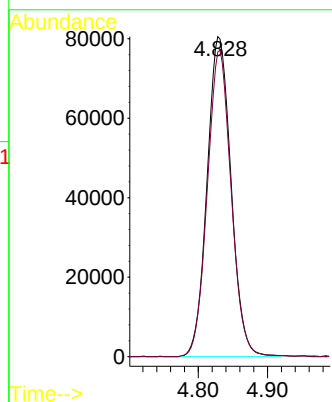
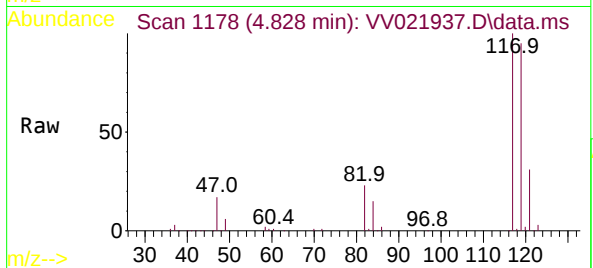




#31
Carbon tetrachloride
Concen: 45.443 ug/L
RT: 4.828 min Scan# 1178
Delta R.T. 0.003 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

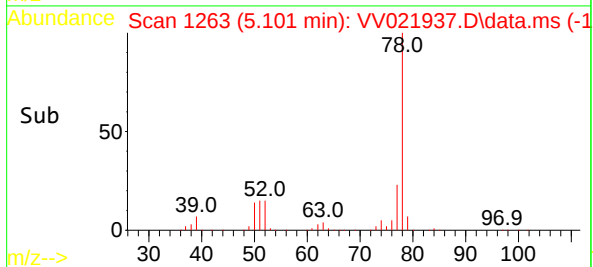
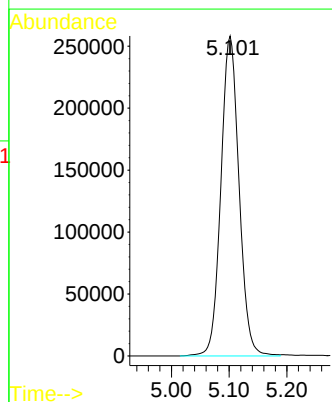
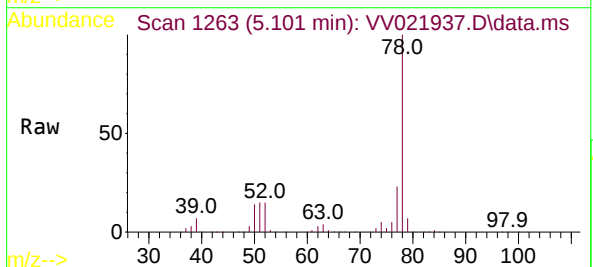
Instrument :
MSVOA_V
ClientSampleId :
VSTD050314

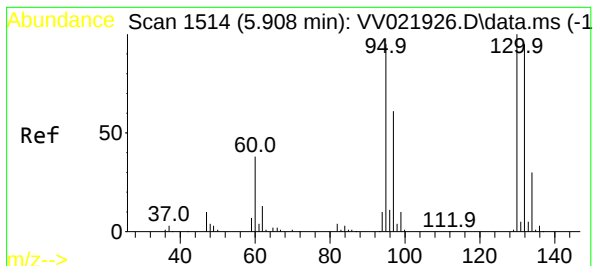
Tgt Ion:117 Resp: 193344
Ion Ratio Lower Upper
117 100
119 94.9 77.1 115.7



#33
Benzene
Concen: 46.655 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.007 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Tgt Ion: 78 Resp: 564167



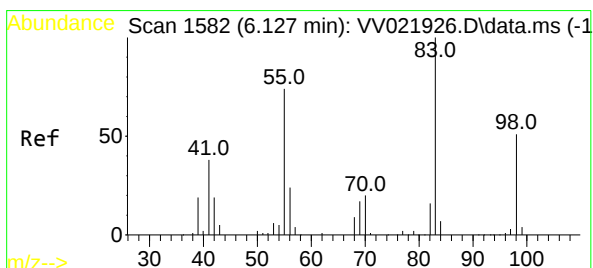
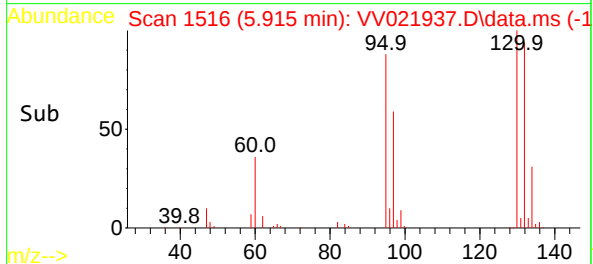
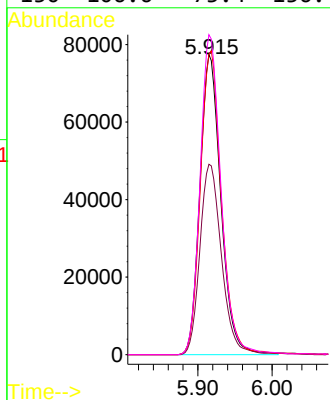
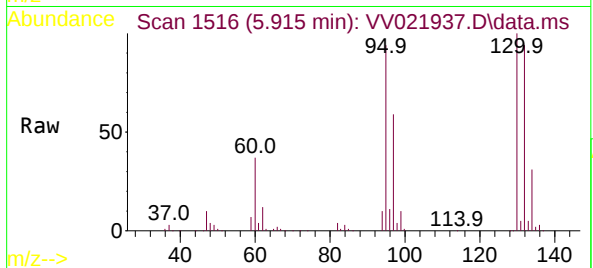


#34
Trichloroethene
Concen: 43.564 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.007 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD050314

Tgt Ion: 95 Resp: 151385

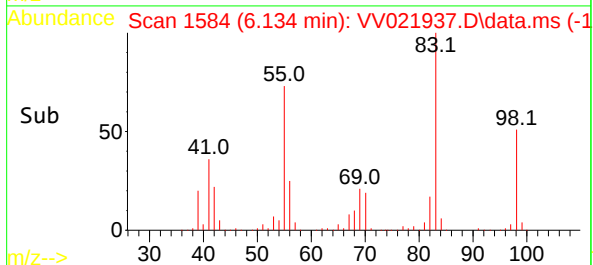
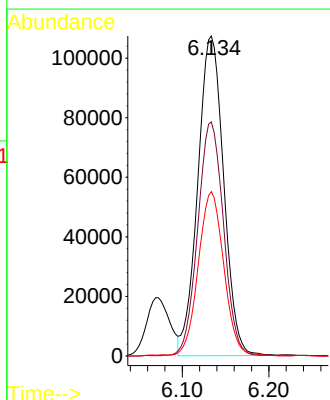
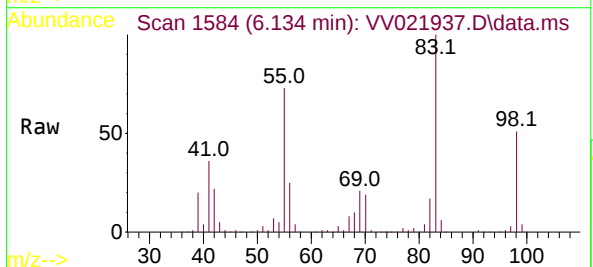
Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.1	81.9
132	100.1	70.2	130.4
130	106.6	73.4	136.4

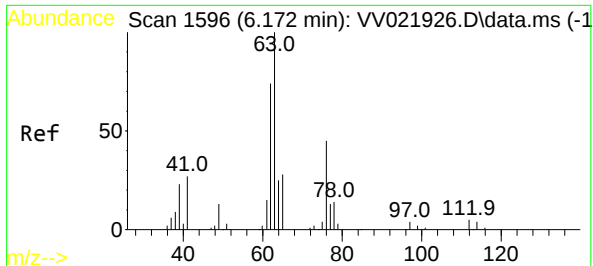


#35
Methylcyclohexane
Concen: 43.958 ug/L
RT: 6.134 min Scan# 1584
Delta R.T. 0.007 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Tgt Ion: 83 Resp: 222855

Ion	Ratio	Lower	Upper
83	100		
55	72.6	57.9	86.9
98	50.8	39.9	59.9

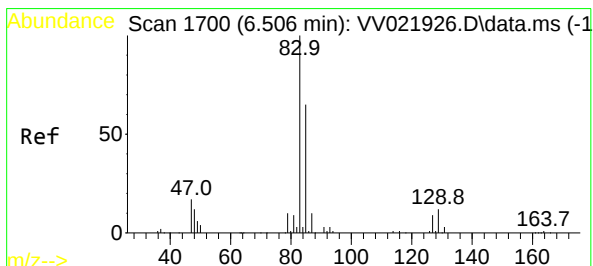
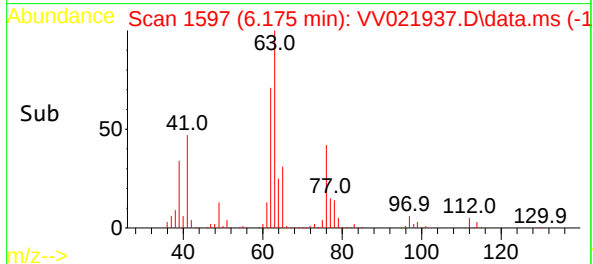
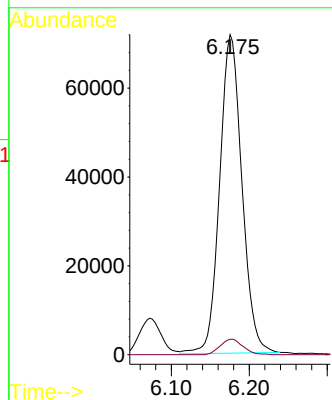
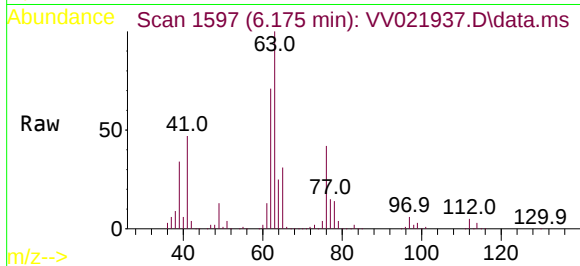




#37
1,2-Dichloropropane
Concen: 46.451 ug/L
RT: 6.175 min Scan# 1597
Delta R.T. 0.003 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

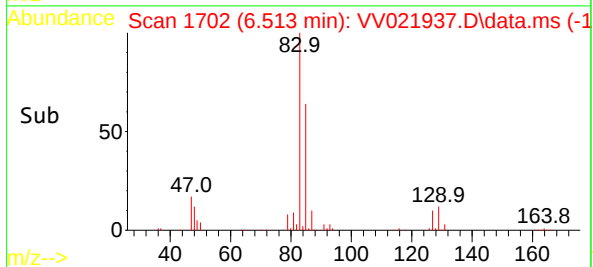
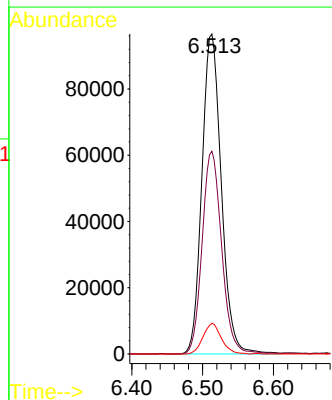
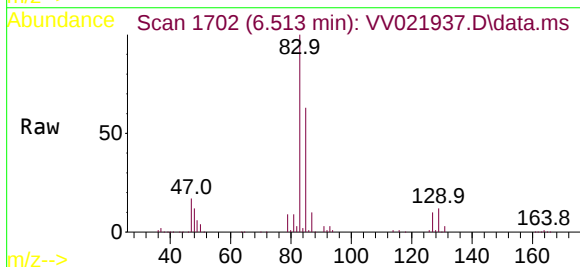
Instrument :
MSVOA_V
ClientSampleId :
VSTD050314

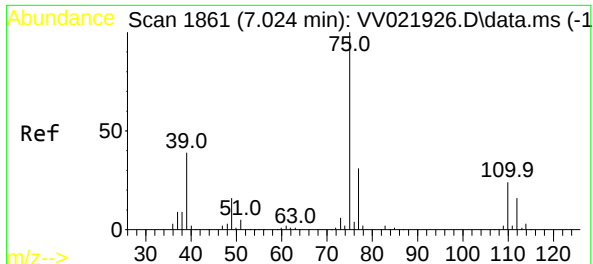
Tgt Ion: 63 Resp: 142229
Ion Ratio Lower Upper
63 100
112 5.0 3.8 5.6



#38
Bromodichloromethane
Concen: 45.558 ug/L
RT: 6.513 min Scan# 1702
Delta R.T. 0.007 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Tgt Ion: 83 Resp: 183855
Ion Ratio Lower Upper
83 100
85 63.3 45.7 84.9
127 9.5 7.4 11.2

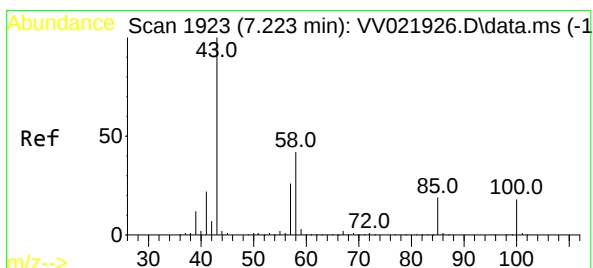
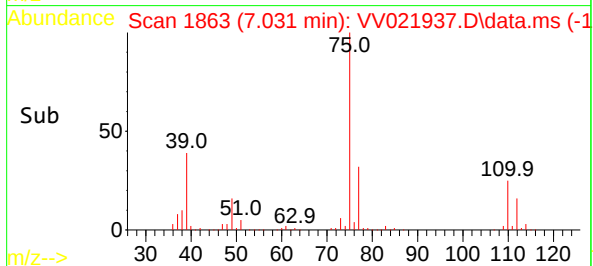
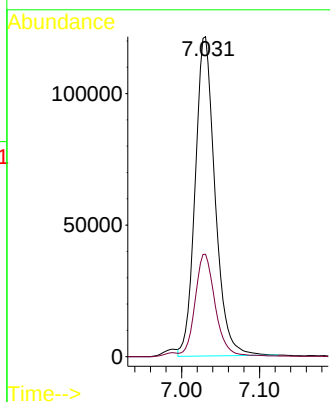
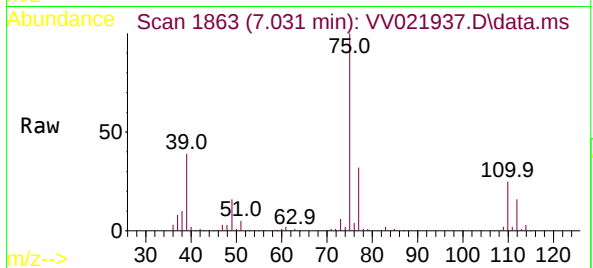




#39
 cis-1,3-Dichloropropene
 Concen: 44.313 ug/L
 RT: 7.031 min Scan# 1863
 Delta R.T. 0.007 min
 Lab File: VV021937.D
 Acq: 23 Aug 2021 18:12

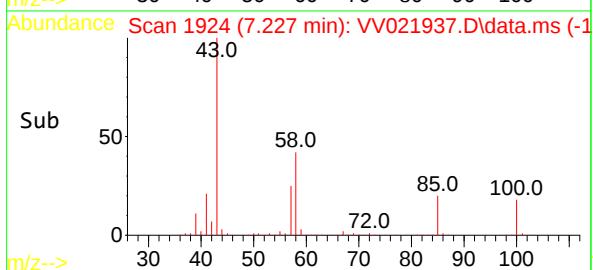
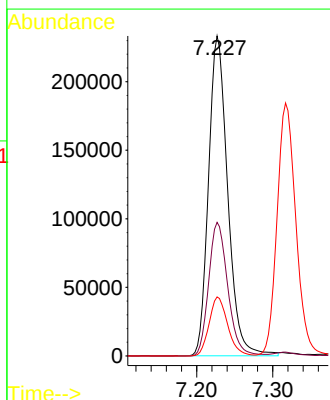
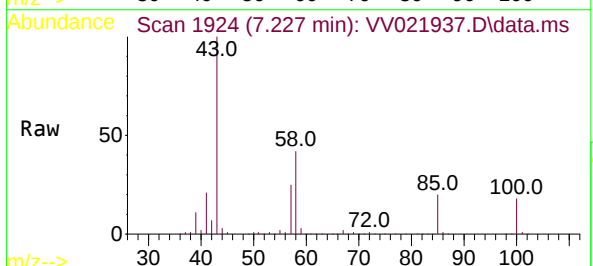
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050314

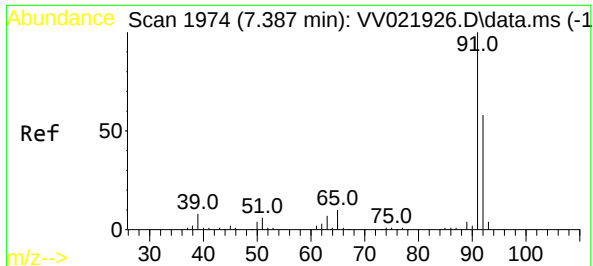
Tgt Ion: 75 Resp: 214852
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 97.011 ug/L
 RT: 7.227 min Scan# 1924
 Delta R.T. 0.003 min
 Lab File: VV021937.D
 Acq: 23 Aug 2021 18:12

Tgt Ion: 43 Resp: 408600
 Ion Ratio Lower Upper
 43 100
 58 41.6 32.9 49.3
 100 17.9 14.0 21.0

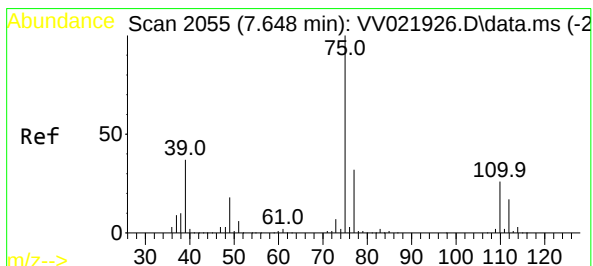
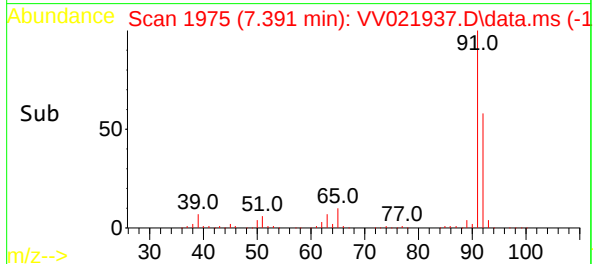
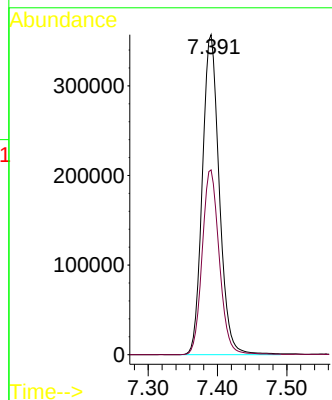
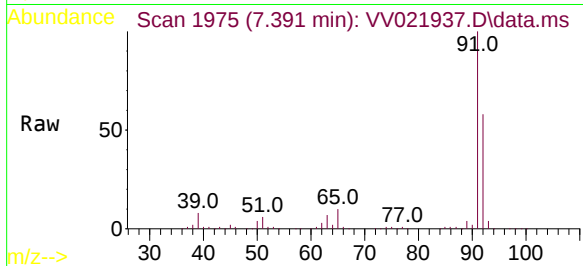




#42
Toluene
Concen: 46.847 ug/L
RT: 7.391 min Scan# 1975
Delta R.T. 0.003 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

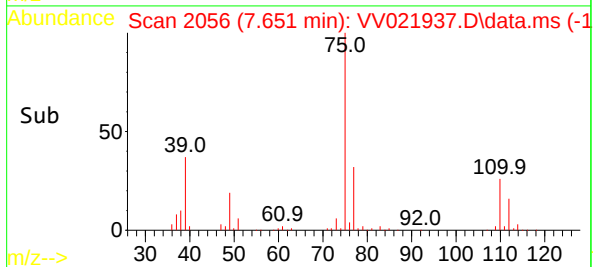
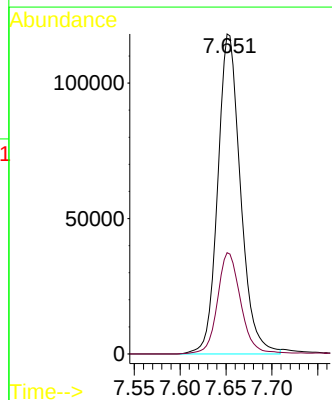
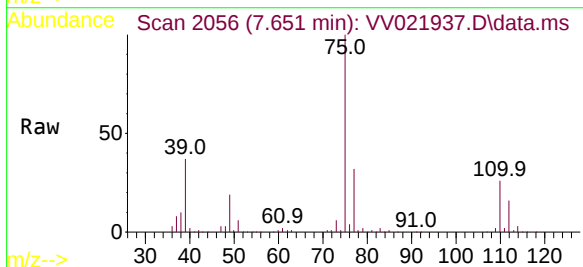
Instrument :
MSVOA_V
ClientSampleId :
VSTD050314

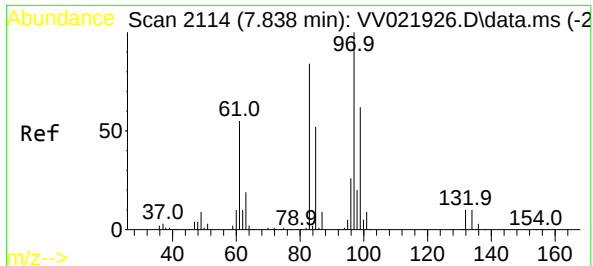
Tgt Ion: 91 Resp: 605028
Ion Ratio Lower Upper
91 100
92 57.7 40.1 74.5



#44
trans-1,3-Dichloropropene
Concen: 44.667 ug/L
RT: 7.651 min Scan# 2056
Delta R.T. 0.003 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Tgt Ion: 75 Resp: 204093
Ion Ratio Lower Upper
75 100
77 31.7 22.2 41.2



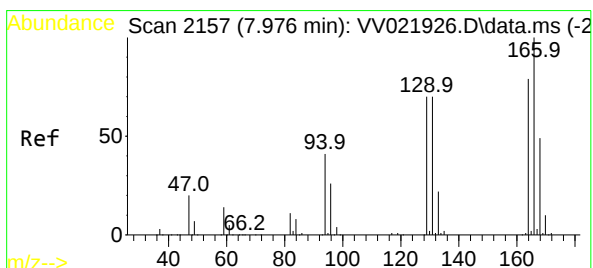
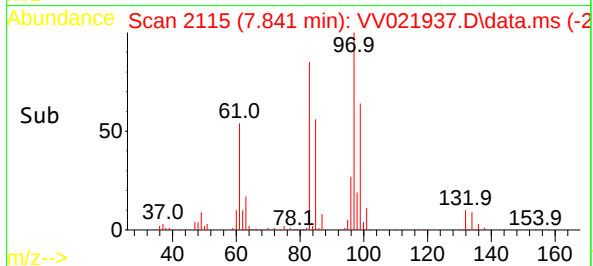
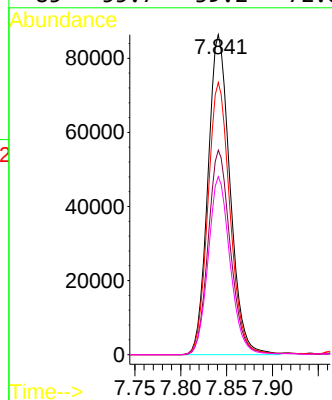
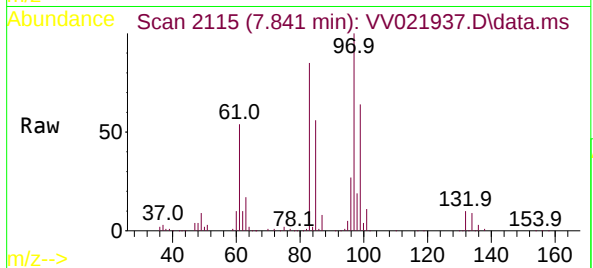


#45

1,1,2-Trichloroethane
Concen: 47.329 ug/L
RT: 7.841 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD050314

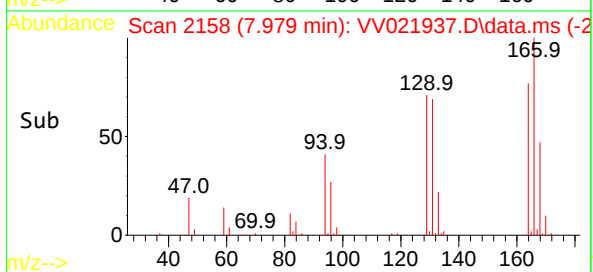
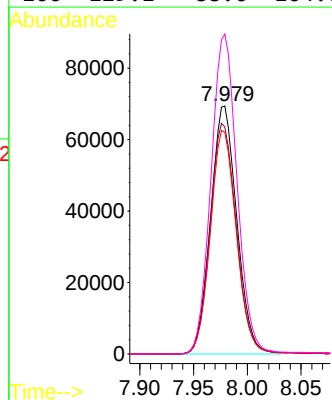
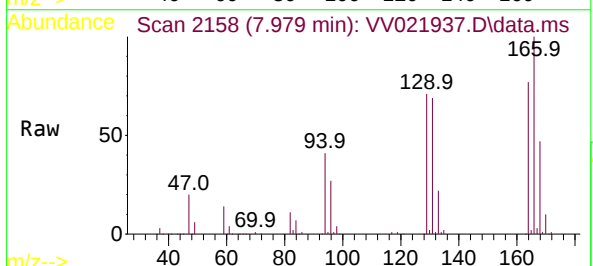
Tgt Ion:	97	Resp:	145171
Ion	Ratio	Lower	Upper
97	100		
99	63.9	44.2	82.0
83	85.0	59.2	110.0
85	55.7	39.2	72.8

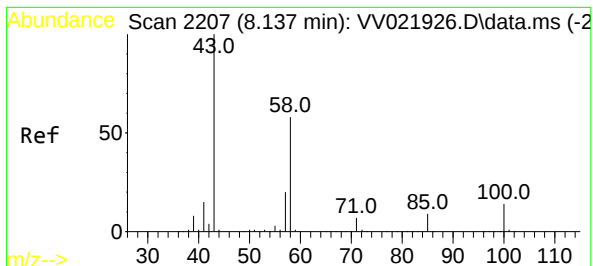


#46

Tetrachloroethene
Concen: 45.567 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.003 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Tgt Ion:	164	Resp:	117677
Ion	Ratio	Lower	Upper
164	100		
129	91.5	63.7	118.3
131	89.4	61.5	114.3
166	129.1	88.6	164.6

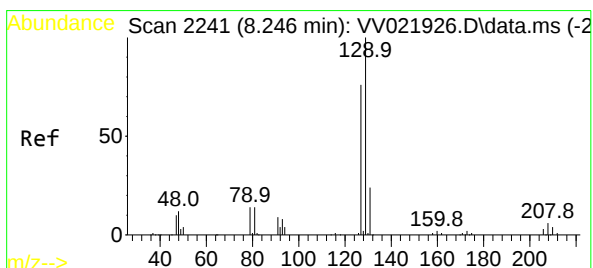
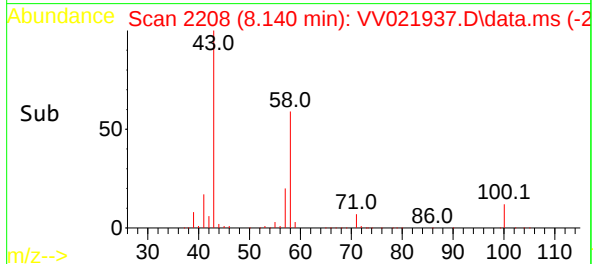
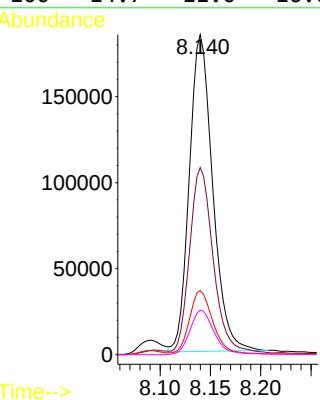
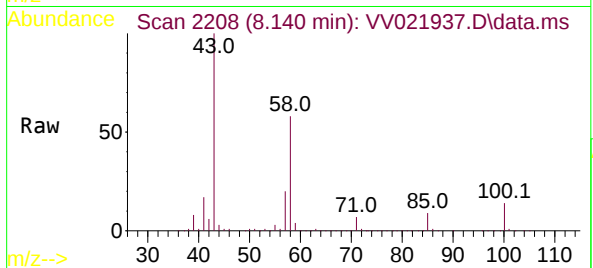




#48
2-Hexanone
Concen: 91.140 ug/L
RT: 8.140 min Scan# 2208
Delta R.T. 0.003 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

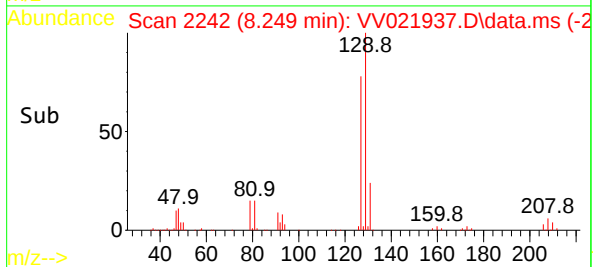
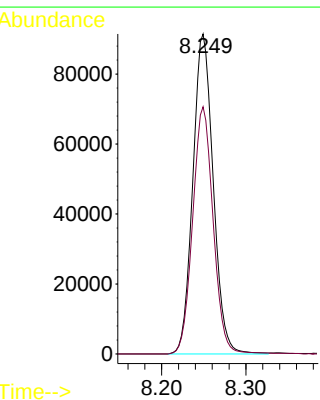
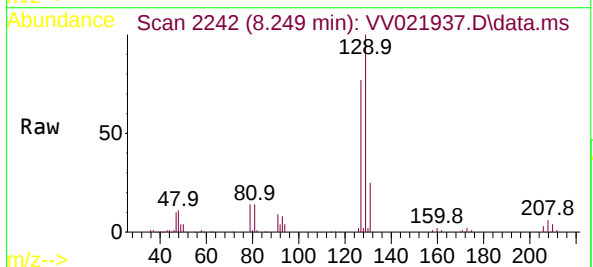
Instrument :
MSVOA_V
ClientSampleId :
VSTD050314

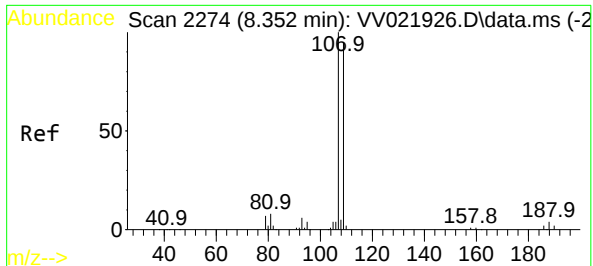
Tgt Ion: 43 Resp: 297349
Ion Ratio Lower Upper
43 100
58 59.5 45.4 68.2
57 20.6 15.3 22.9
100 14.7 11.0 16.6



#49
Dibromochloromethane
Concen: 45.544 ug/L
RT: 8.249 min Scan# 2242
Delta R.T. 0.003 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Tgt Ion: 129 Resp: 154241
Ion Ratio Lower Upper
129 100
127 77.3 54.9 101.9

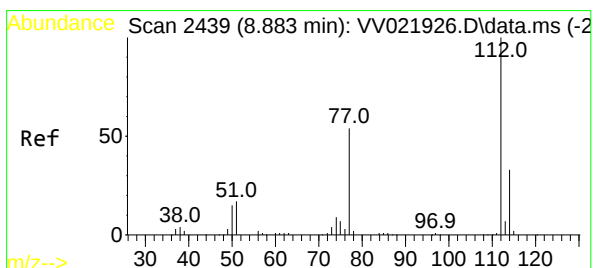
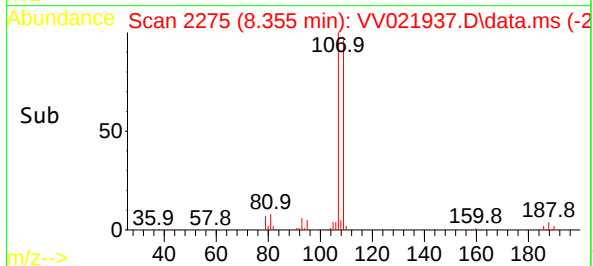
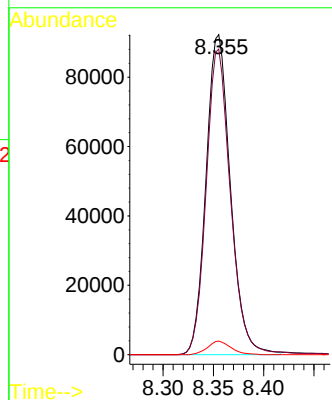
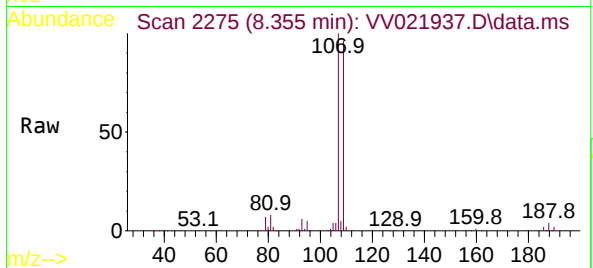




#50
1,2-Dibromoethane
Concen: 46.778 ug/L
RT: 8.355 min Scan# 2275
Delta R.T. 0.003 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

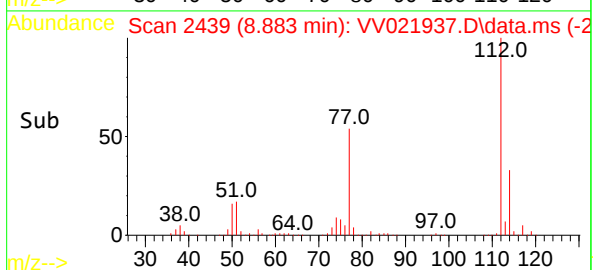
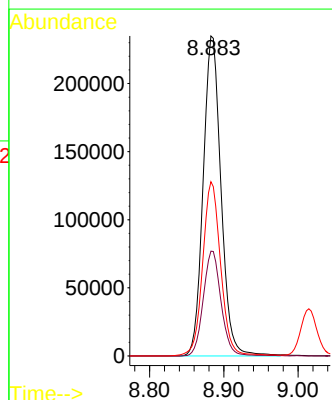
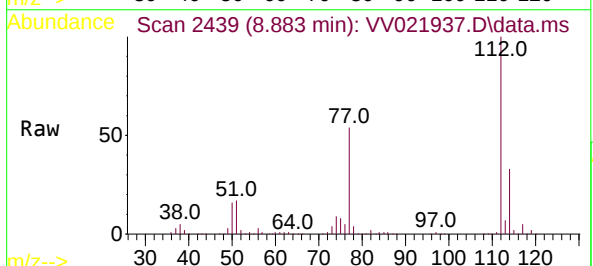
Instrument :
MSVOA_V
ClientSampleId :
VSTD050314

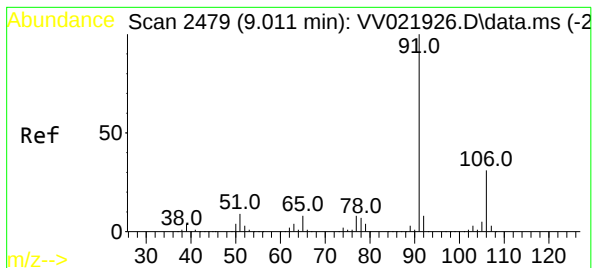
Tgt Ion:107 Resp: 156142
Ion Ratio Lower Upper
107 100
109 95.5 66.3 123.1
188 4.2 3.0 4.4



#51
Chlorobenzene
Concen: 46.480 ug/L
RT: 8.883 min Scan# 2439
Delta R.T. 0.000 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Tgt Ion:112 Resp: 391940
Ion Ratio Lower Upper
112 100
114 32.8 22.2 41.2
77 54.4 43.7 65.5





#52

Ethylbenzene

Concen: 46.651 ug/L

RT: 9.014 min Scan# 2480

Delta R.T. 0.003 min

Lab File: VV021937.D

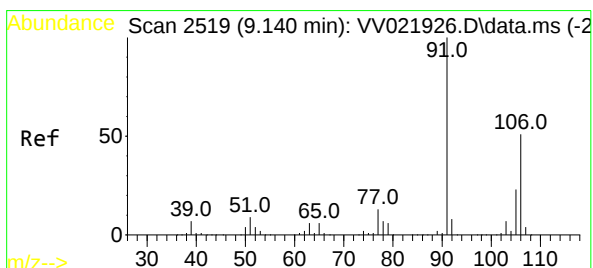
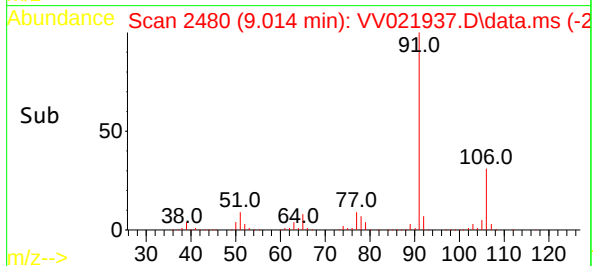
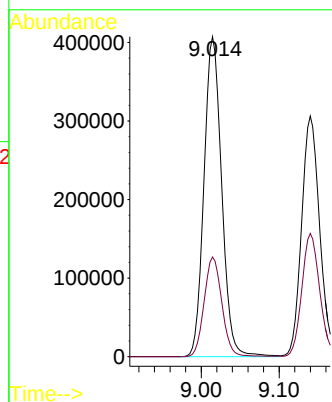
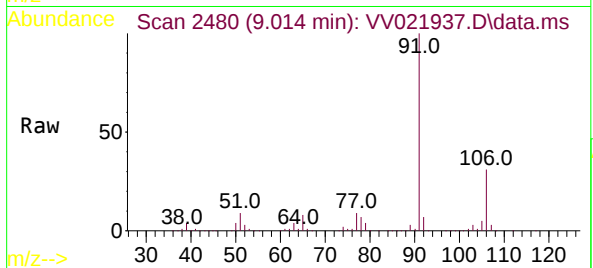
Acq: 23 Aug 2021 18:12

Tgt Ion: 91 Resp: 642777

Ion Ratio Lower Upper

91 100

106 31.2 22.2 41.2



#53

m,p-Xylene

Concen: 47.133 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.000 min

Lab File: VV021937.D

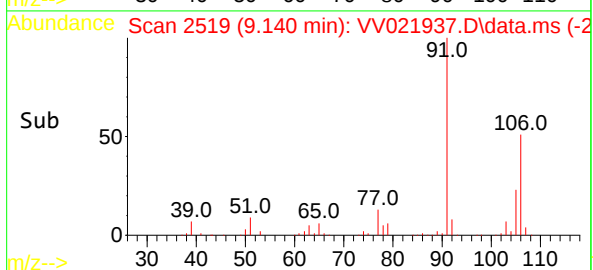
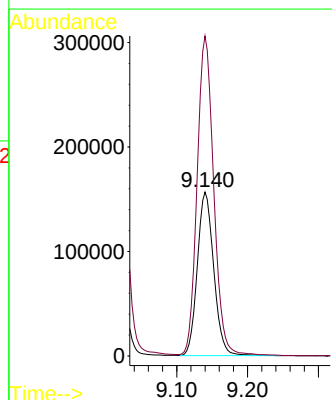
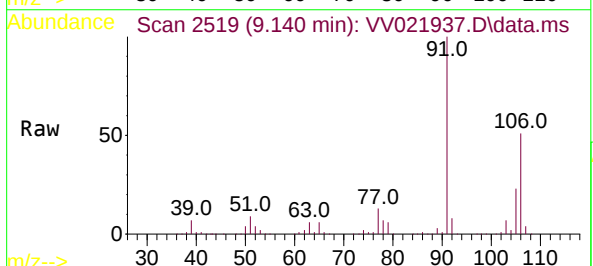
Acq: 23 Aug 2021 18:12

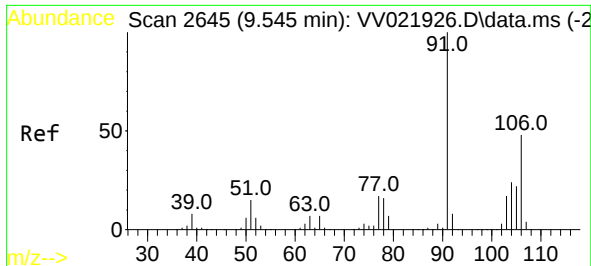
Tgt Ion: 106 Resp: 251686

Ion Ratio Lower Upper

106 100

91 195.3 139.2 258.6

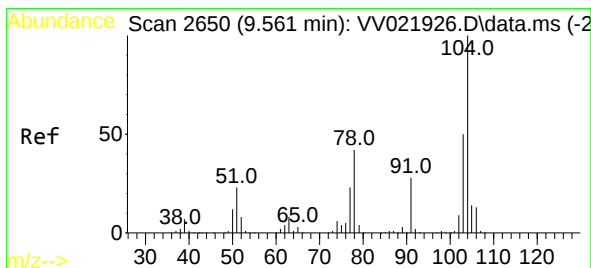
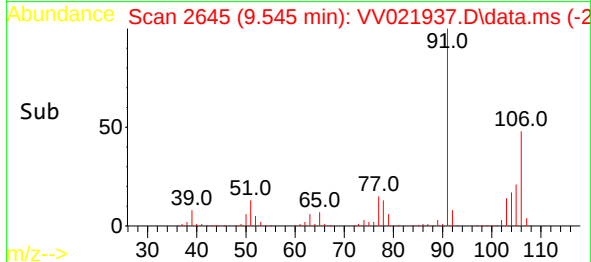
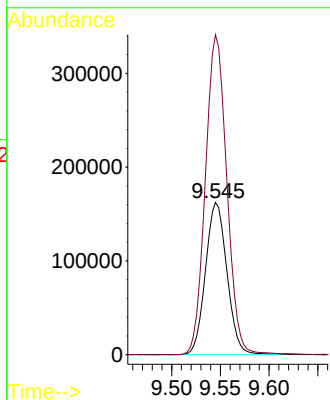
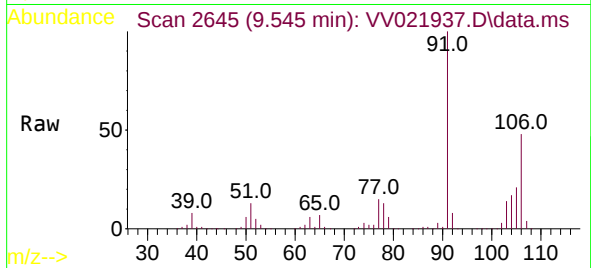




#54
o-Xylene
Concen: 47.021 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.000 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

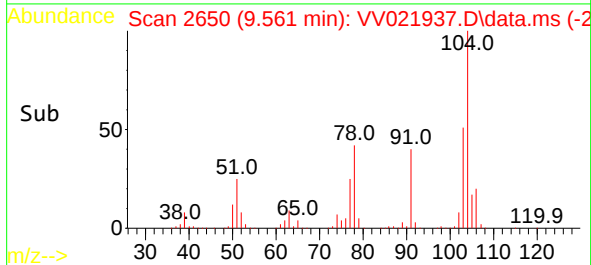
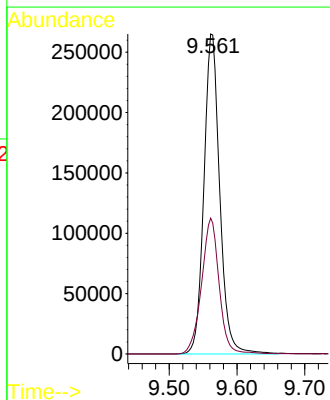
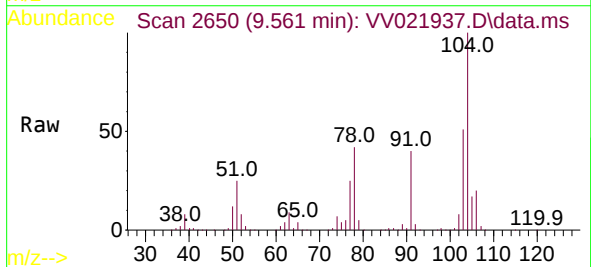
Instrument :
MSVOA_V
ClientSampleId :
VSTD050314

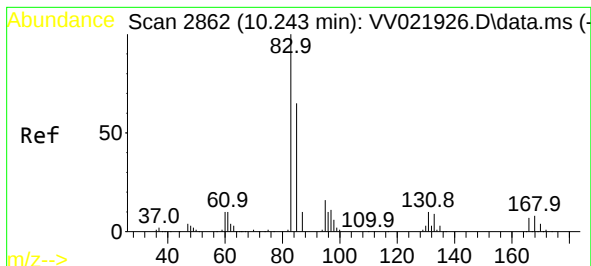
Tgt Ion:106 Resp: 248892
Ion Ratio Lower Upper
106 100
91 210.2 148.1 275.0



#55
Styrene
Concen: 48.472 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.000 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Tgt Ion:104 Resp: 429646
Ion Ratio Lower Upper
104 100
78 42.5 30.2 56.2

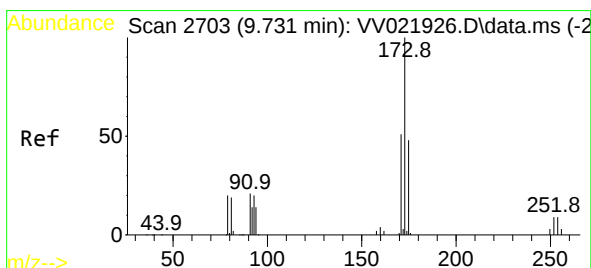
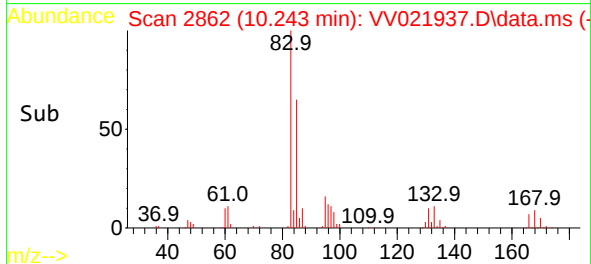
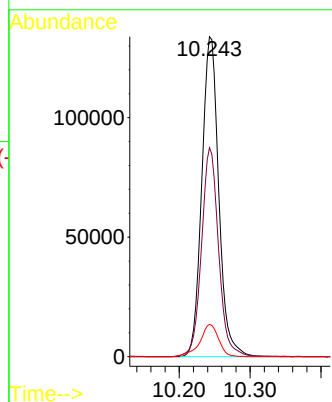
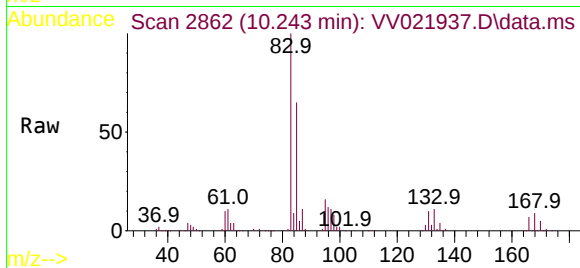




#57
1,1,2,2-Tetrachloroethane
Concen: 52.123 ug/L
RT: 10.243 min Scan# 2862
Delta R.T. 0.000 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

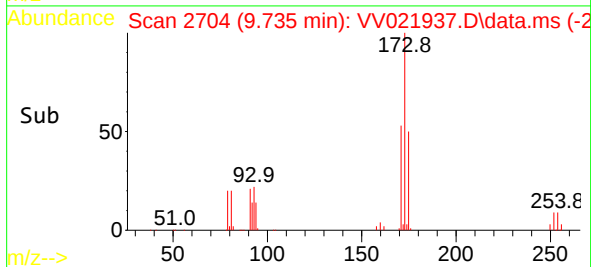
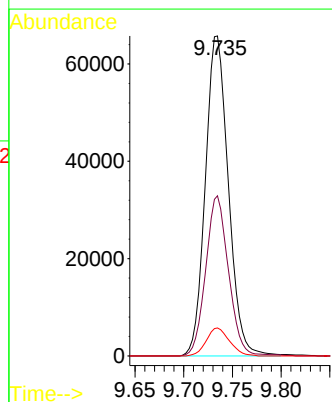
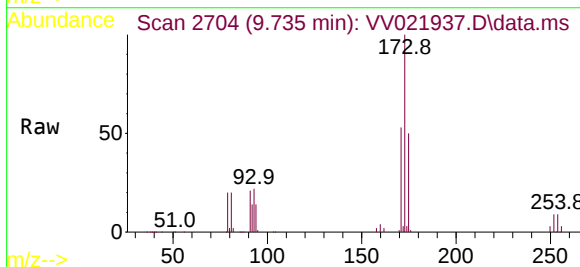
Instrument :
MSVOA_V
ClientSampleId :
VSTD050314

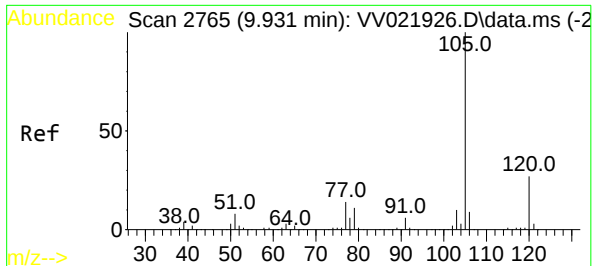
Tgt Ion:	83	Resp:	222566
Ion	Ratio	Lower	Upper
83	100		
85	65.3	44.4	82.5
131	10.1	7.9	11.9



#59
Bromoform
Concen: 42.945 ug/L
RT: 9.735 min Scan# 2704
Delta R.T. 0.003 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Tgt Ion:	173	Resp:	108189
Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.6	58.0
254	8.8	7.2	10.8

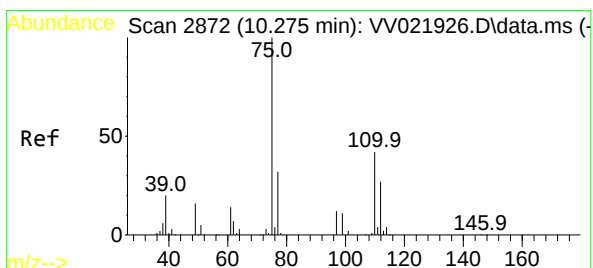
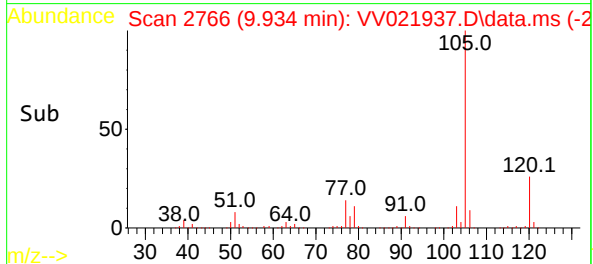
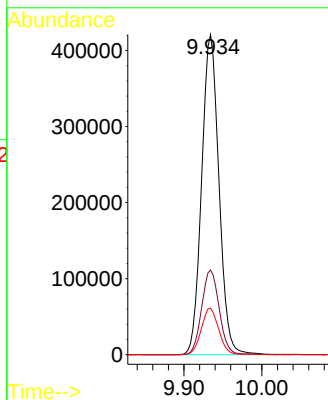
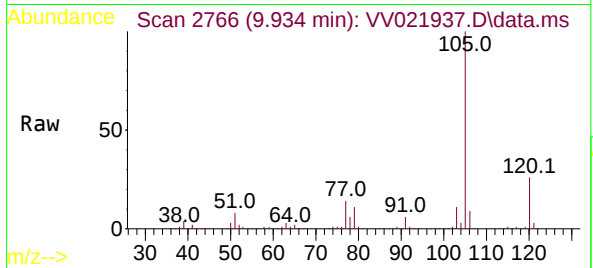




#60
Isopropylbenzene
Concen: 45.670 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

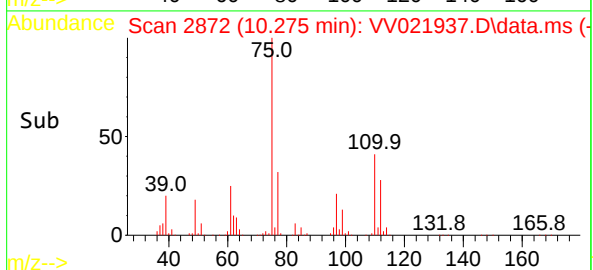
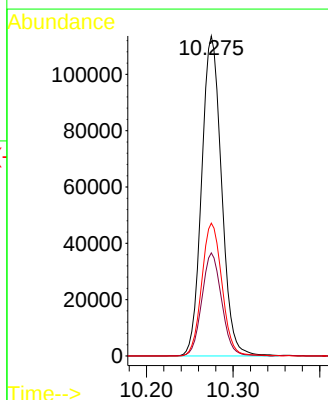
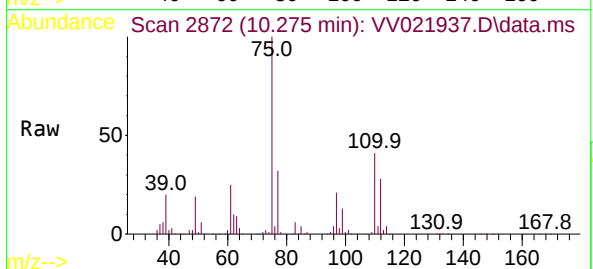
Instrument :
MSVOA_V
ClientSampleId :
VSTD050314

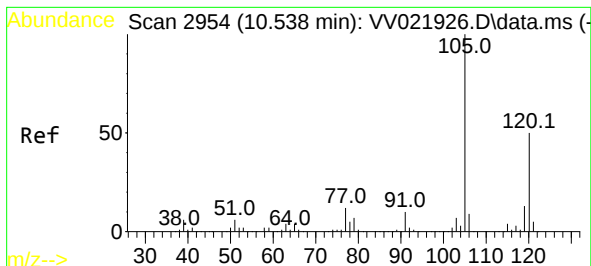
Tgt Ion:105 Resp: 648874
Ion Ratio Lower Upper
105 100
120 26.9 21.3 31.9
77 14.6 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 46.366 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.000 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Tgt Ion: 75 Resp: 181585
Ion Ratio Lower Upper
75 100
77 32.0 25.5 38.3
110 42.1 33.4 50.2

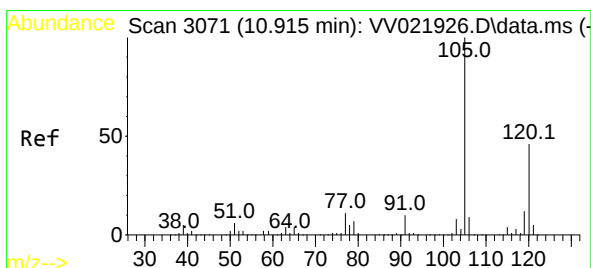
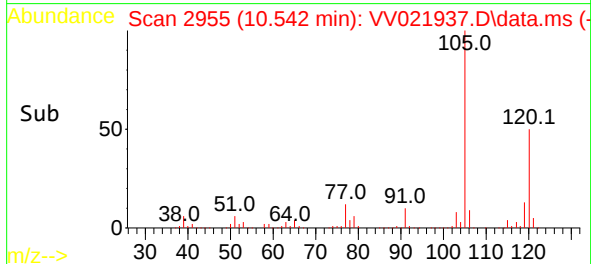
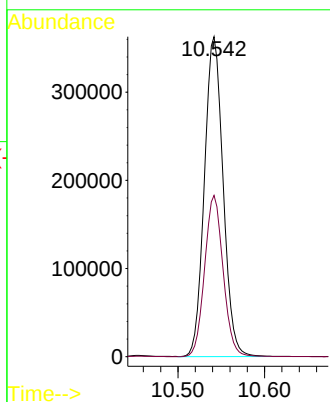
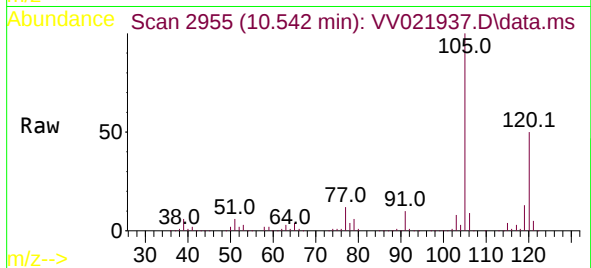




#62
1,3,5-Trimethylbenzene
Concen: 45.775 ug/L
RT: 10.542 min Scan# 2955
Delta R.T. 0.003 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

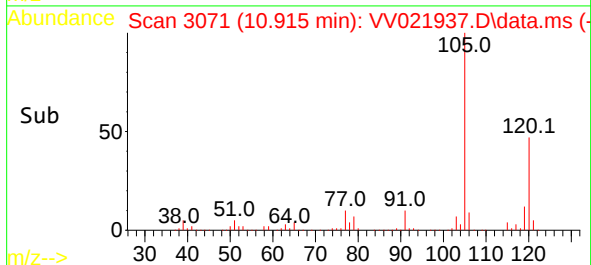
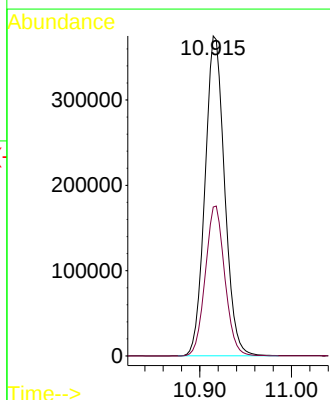
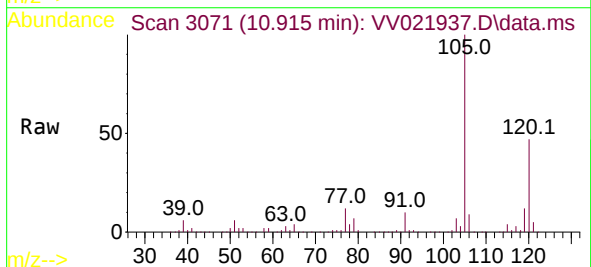
Tgt Ion:105 Resp: 545767
Ion Ratio Lower Upper
105 100
120 49.8 40.2 60.4

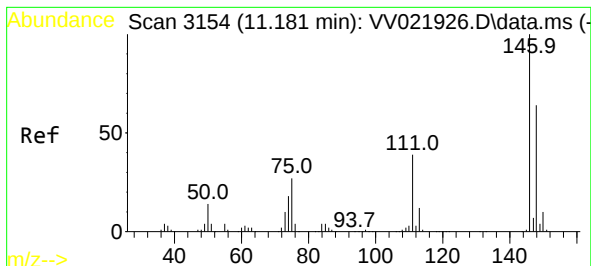
Instrument :
MSVOA_V
ClientSampleId :
VSTD050314



#63
1,2,4-Trimethylbenzene
Concen: 45.958 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.000 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Tgt Ion:105 Resp: 557141
Ion Ratio Lower Upper
105 100
120 46.6 37.3 55.9





#64

1,3-Dichlorobenzene

Concen: 45.519 ug/L

RT: 11.185 min Scan# 3155

Delta R.T. 0.003 min

Lab File: VV021937.D

Acq: 23 Aug 2021 18:12

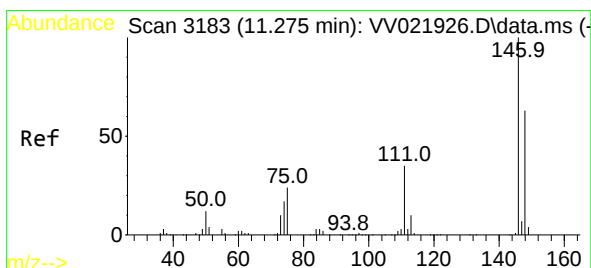
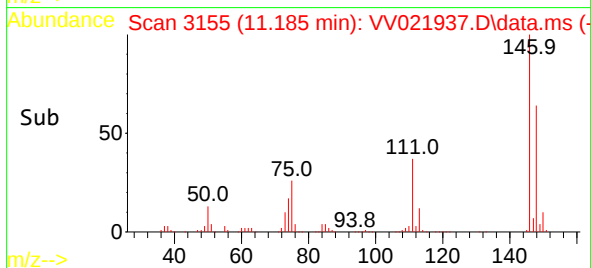
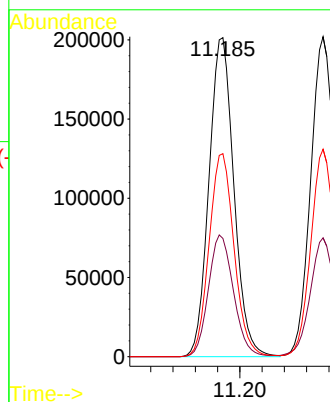
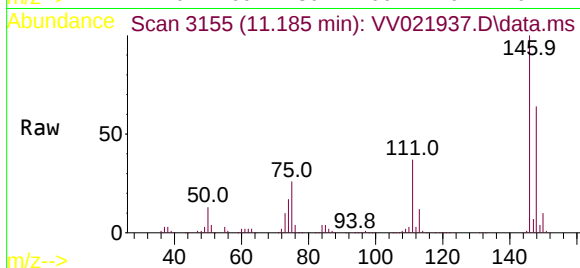
Tgt Ion:146 Resp: 313189

Ion Ratio Lower Upper

146 100

111 37.1 26.5 49.1

148 63.6 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 46.094 ug/L

RT: 11.275 min Scan# 3183

Delta R.T. 0.000 min

Lab File: VV021937.D

Acq: 23 Aug 2021 18:12

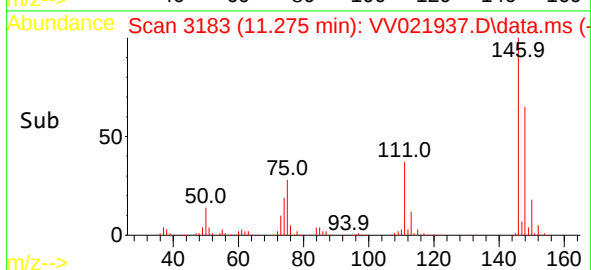
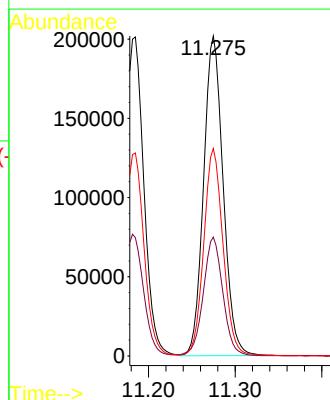
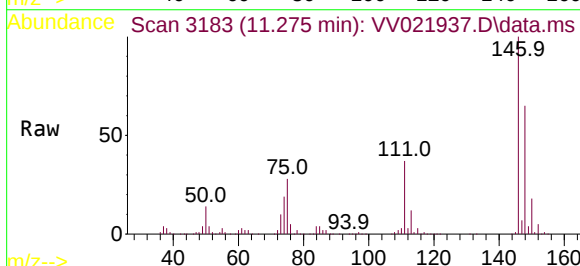
Tgt Ion:146 Resp: 316568

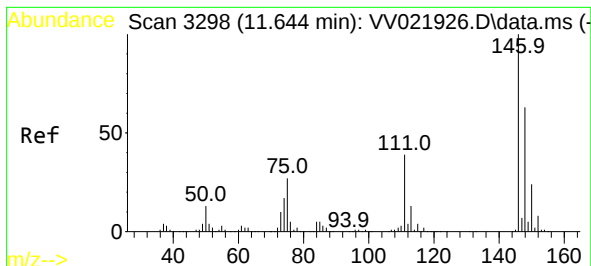
Ion Ratio Lower Upper

146 100

111 37.1 26.2 48.6

148 64.8 45.1 83.9

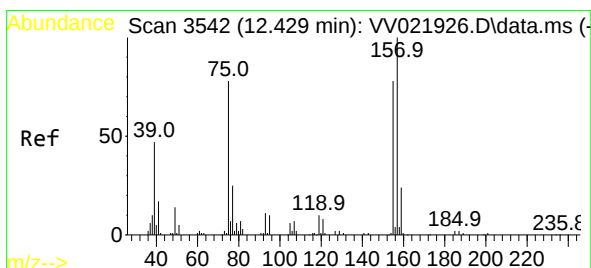
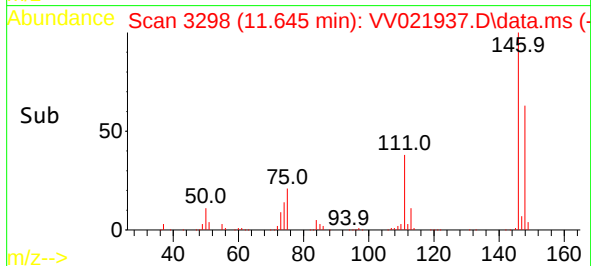
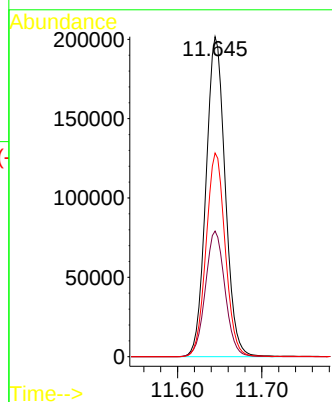
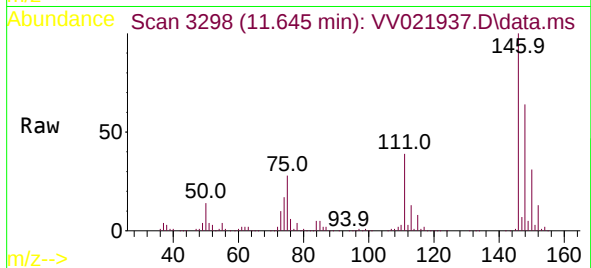




#67
1,2-Dichlorobenzene
Concen: 46.112 ug/L
RT: 11.645 min Scan# 3298
Delta R.T. 0.000 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

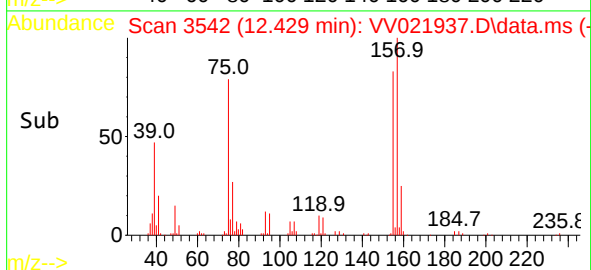
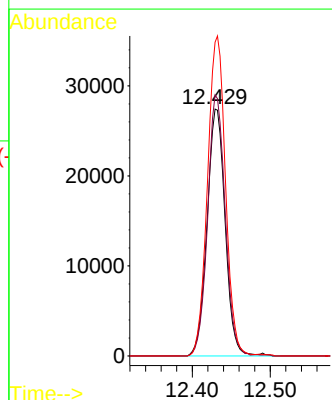
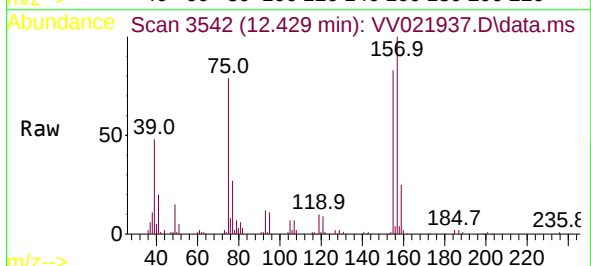
Instrument :
MSVOA_V
ClientSampleId :
VSTD050314

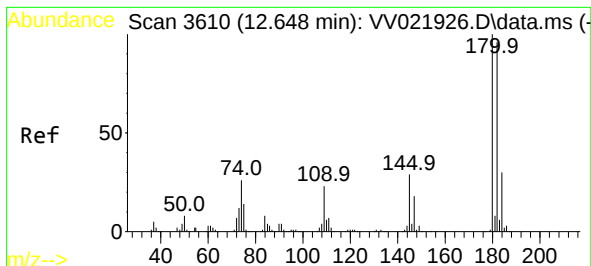
Tgt Ion:146 Resp: 320062
Ion Ratio Lower Upper
146 100
111 39.3 31.8 47.8
148 63.7 51.0 76.6



#68
1,2-Dibromo-3-chloropropane
Concen: 46.522 ug/L
RT: 12.429 min Scan# 3542
Delta R.T. 0.000 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Tgt Ion: 75 Resp: 44298
Ion Ratio Lower Upper
75 100
155 105.7 77.8 116.8
157 127.1 99.4 149.0

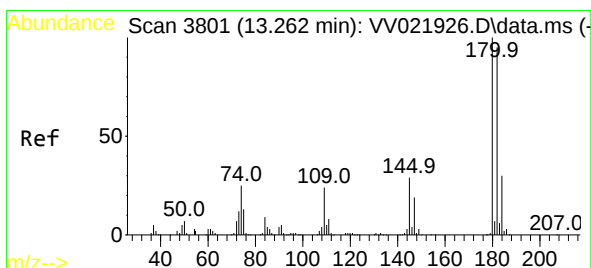
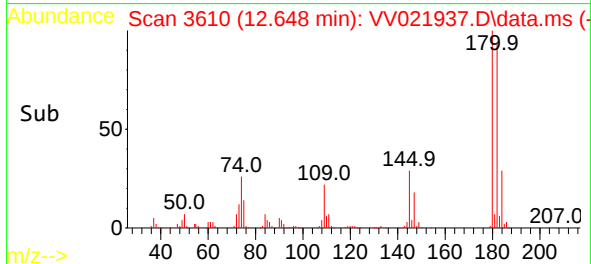
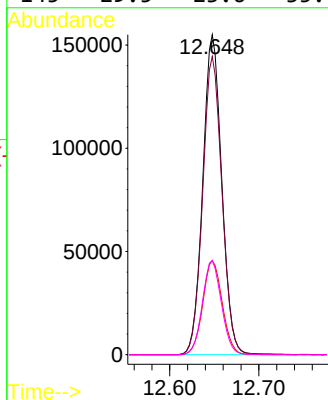
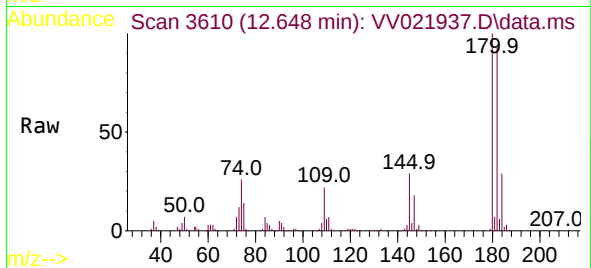




#69
1,3,5-Trichlorobenzene
Concen: 45.949 ug/L
RT: 12.648 min Scan# 3610
Delta R.T. 0.000 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

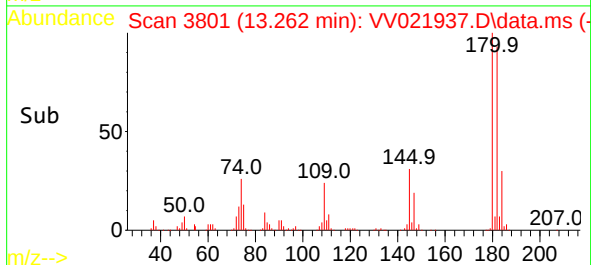
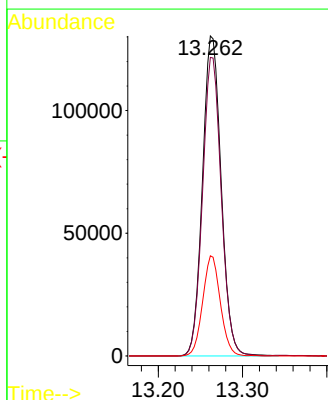
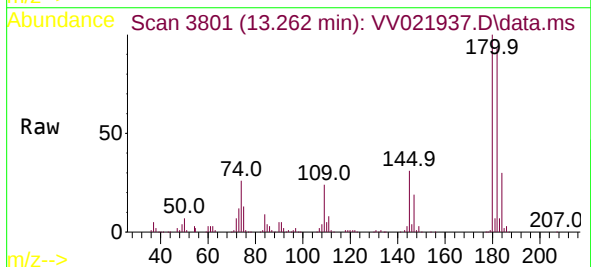
Instrument :
MSVOA_V
ClientSampleId :
VSTD050314

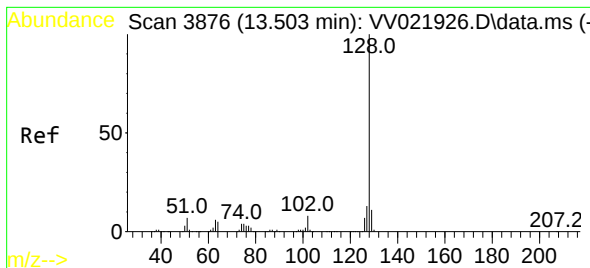
Tgt Ion:	180	Resp:	229170
Ion Ratio	Lower	Upper	
180	100		
182	94.4	76.8	115.2
184	30.3	24.1	36.1
145	29.5	23.6	35.4



#70
1,2,4-trichlorobenzene
Concen: 48.201 ug/L
RT: 13.262 min Scan# 3801
Delta R.T. 0.000 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Tgt Ion:	180	Resp:	201620
Ion Ratio	Lower	Upper	
180	100		
182	93.4	75.8	113.6
145	29.6	23.9	35.9

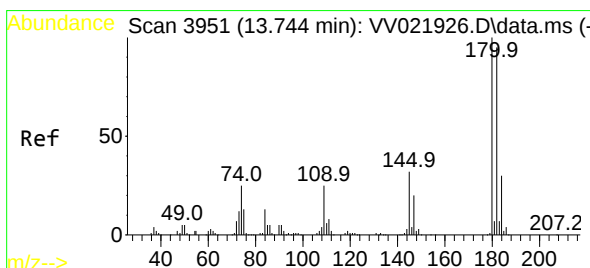
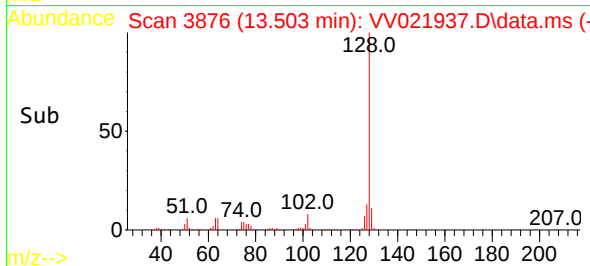
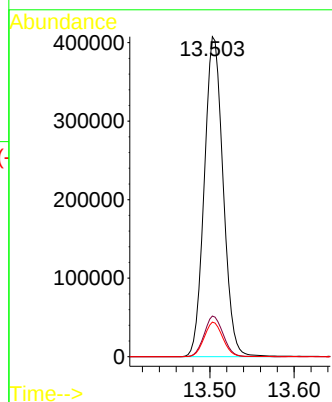
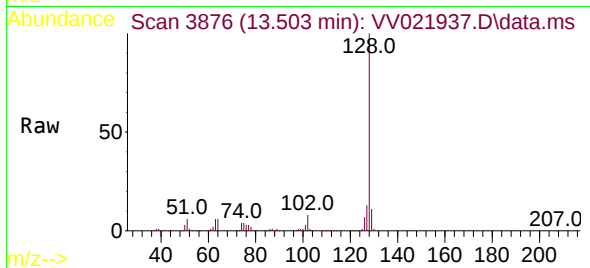




#71
Naphthalene
Concen: 52.210 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.000 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD050314

Tgt Ion:128 Resp: 634368
Ion Ratio Lower Upper
128 100
127 12.8 10.0 15.0
129 10.7 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 48.992 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.000 min
Lab File: VV021937.D
Acq: 23 Aug 2021 18:12

Tgt Ion:180 Resp: 205869
Ion Ratio Lower Upper
180 100
182 93.8 76.2 114.2
145 31.3 25.6 38.4

