

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121421\
 Data File : VW023977.D
 Acq On : 14 Dec 2021 18:36
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005393

Quant Time: Dec 15 05:40:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 11 04:33:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	96231	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	105443	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	62919	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	26233	5.071	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.400%
7) Chloroethane-d5	1.568	69	21658	5.018	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.400%
11) 1,1-Dichloroethene-d2	2.108	63	56438	5.589	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	111.800%
20) 2-Butanone-d5	3.912	46	31913	31.575	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	63.140%
24) Chloroform-d	4.349	84	58083	4.957	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
26) 1,2-Dichloroethane-d4	5.034	65	26622	4.879	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.050	84	105130	5.034	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
36) 1,2-Dichloropropane-d6	6.069	67	28612	4.541	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.800%
41) Toluene-d8	7.317	98	105536	5.613	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.200%
43) trans-1,3-Dichloroprop...	7.625	79	11442	4.377	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.092	63	41939	35.840	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.680%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	22215	4.250	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	39710	4.725	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	45621	5.447	ug/L	99
3) Chloromethane	1.240	50	36610	5.116	ug/L	99
5) Vinyl chloride	1.310	62	41019	5.285	ug/L	99
6) Bromomethane	1.519	94	26128	5.297	ug/L	100
8) Chloroethane	1.584	64	26889	5.324	ug/L	99
9) Trichlorofluoromethane	1.751	101	75665	5.610	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	39930	5.621	ug/L	96
12) 1,1-Dichloroethene	2.118	96	34712	5.376	ug/L	93
13) Acetone	2.198	43	30865	38.171	ug/L	82
14) Carbon disulfide	2.294	76	93491	4.992	ug/L	99
15) Methyl Acetate	2.442	43	10088	5.147	ug/L	96
16) Methylene chloride	2.507	84	41527	4.916	ug/L	96
17) Methyl tert-butyl Ether	2.770	73	74924	5.132	ug/L	99
18) trans-1,2-Dichloroethene	2.761	96	38841	5.435	ug/L	97
19) 1,1-Dichloroethane	3.191	63	69941	5.453	ug/L	99
21) 2-Butanone	3.989	43	51113	44.241	ug/L	99
22) cis-1,2-Dichloroethene	3.912	96	38781	5.126	ug/L	98
23) Bromochloromethane	4.249	128	19413	5.647	ug/L	94
25) Chloroform	4.375	83	78986	5.539	ug/L	99

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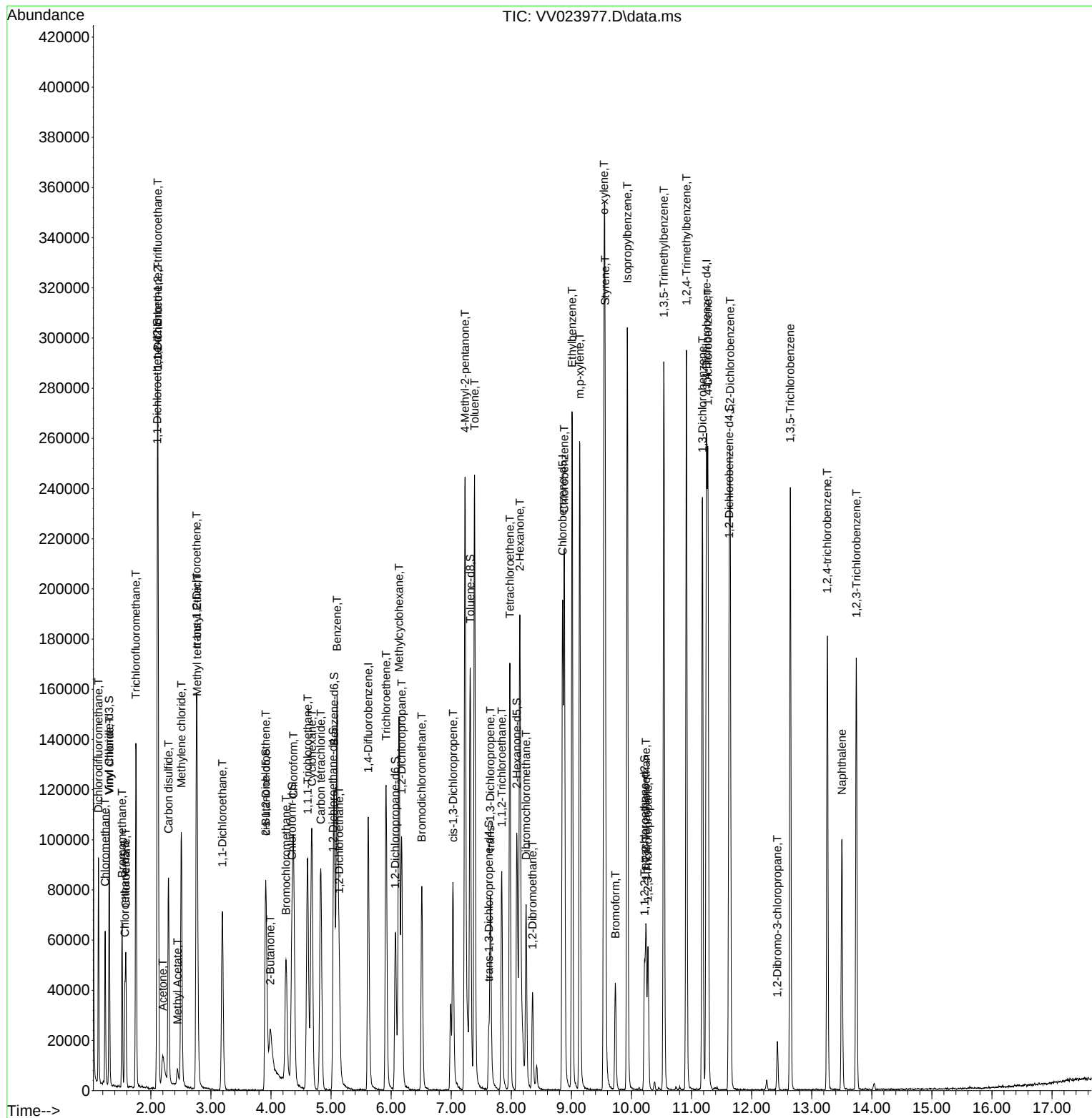
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.133	62	43230	5.596	ug/L	99
29) 1,1,1-Trichloroethane	4.609	97	74478	5.399	ug/L	99
30) Cyclohexane	4.680	56	51390	4.697	ug/L	98
31) Carbon tetrachloride	4.828	117	67146	5.178	ug/L	99
33) Benzene	5.098	78	156297	5.240	ug/L	100
34) Trichloroethene	5.915	95	42388	5.038	ug/L	96
35) Methylcyclohexane	6.130	83	58620	4.734	ug/L	99
37) 1,2-Dichloropropane	6.175	63	37210	5.248	ug/L	100
38) Bromodichloromethane	6.510	83	52348	5.212	ug/L	99
39) cis-1,3-Dichloropropene	7.030	75	50543	4.802	ug/L	99
40) 4-Methyl-2-pentanone	7.230	43	183593	53.907	ug/L	99
42) Toluene	7.387	91	177322	5.282	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	44012	4.838	ug/L	98
45) 1,1,2-Trichloroethane	7.841	97	27134	5.173	ug/L	96
47) Tetrachloroethene	7.976	164	38009	5.131	ug/L	98
48) 2-Hexanone	8.143	43	135896	55.031	ug/L	99
49) Dibromochloromethane	8.246	129	36762	5.151	ug/L	100
50) 1,2-Dibromoethane	8.355	107	26274	5.395	ug/L	99
51) Chlorobenzene	8.883	112	114677	5.111	ug/L	99
52) Ethylbenzene	9.011	91	180798	5.104	ug/L	100
53) m,p-xylene	9.140	106	72912	5.205	ug/L	98
54) o-xylene	9.545	106	69852	5.156	ug/L	98
55) Styrene	9.561	104	121386	5.383	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.243	83	29652	5.163	ug/L	99
59) Bromoform	9.731	173	19908	4.930	ug/L	97
60) Isopropylbenzene	9.931	105	191061	5.172	ug/L	98
61) 1,2,3-Trichloropropane	10.275	75	21631	5.047	ug/L	97
62) 1,3,5-Trimethylbenzene	10.538	105	154353	5.037	ug/L	98
63) 1,2,4-Trimethylbenzene	10.915	105	154912	5.074	ug/L	96
64) 1,3-Dichlorobenzene	11.181	146	97787	5.176	ug/L	97
65) 1,4-Dichlorobenzene	11.271	146	97961	5.162	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	89982	5.198	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.429	75	4823	5.152	ug/L	85
69) 1,3,5-Trichlorobenzene	12.644	180	76163	4.901	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	56302	4.613	ug/L	96
71) Naphthalene	13.503	128	81177	4.628	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	53091	4.927	ug/L	99

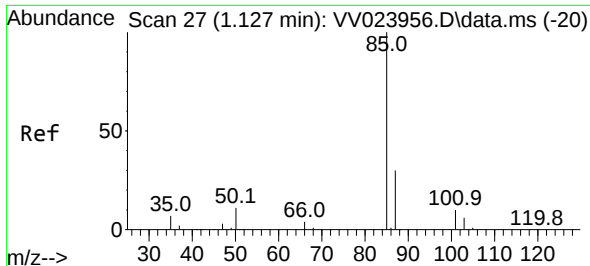
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 Data File : VV023977.D
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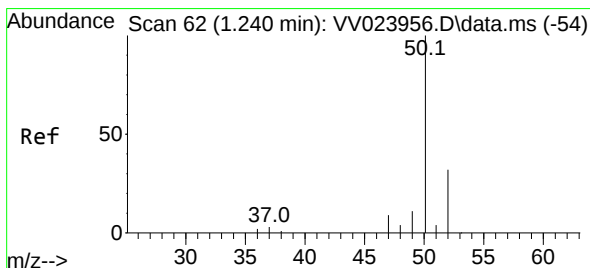
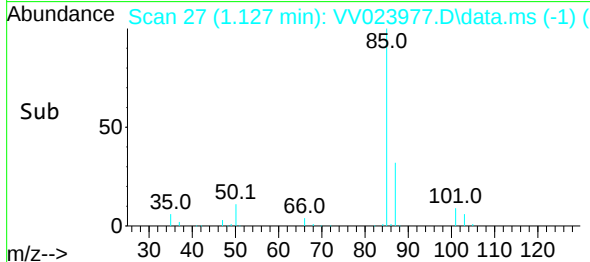
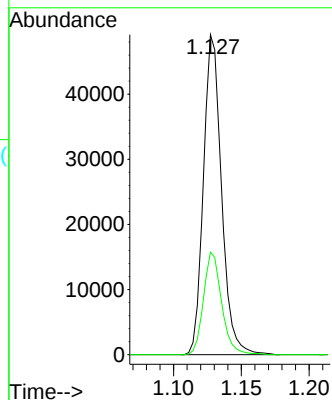
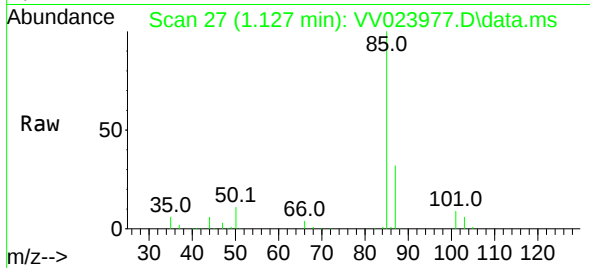




#2
 Dichlorodifluoromethane
 Concen: 5.447 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV023977.D
 Acq: 14 Dec 2021 18:36

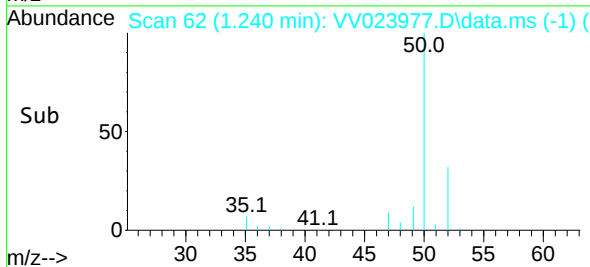
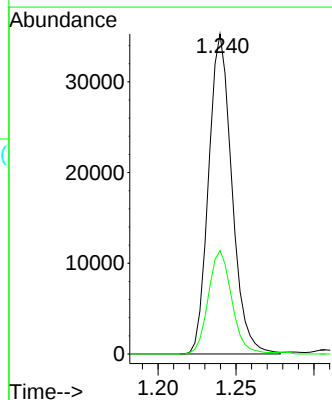
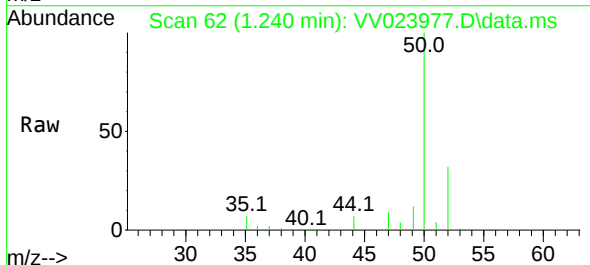
Instrument :
 MSVOA_V
 ClientSampleId :
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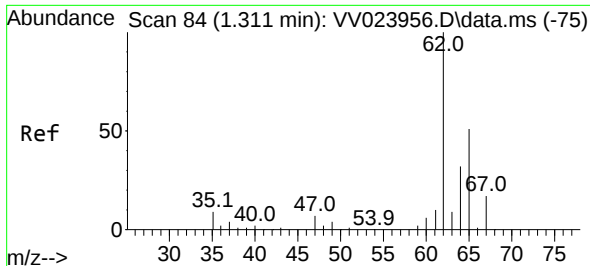
Tgt Ion: 85 Resp: 45621
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.0 39.0



#3
 Chloromethane
 Concen: 5.116 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV023977.D
 Acq: 14 Dec 2021 18:36

Tgt Ion: 50 Resp: 36610
 Ion Ratio Lower Upper
 50 100
 52 32.3 22.0 41.0

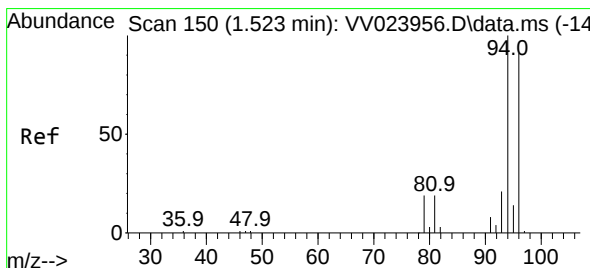
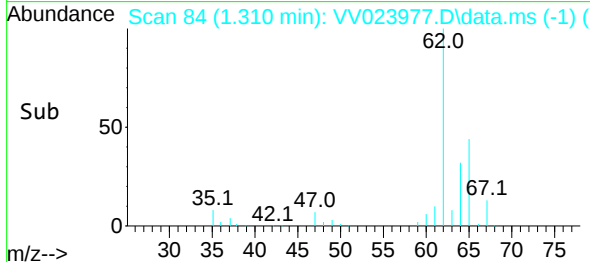
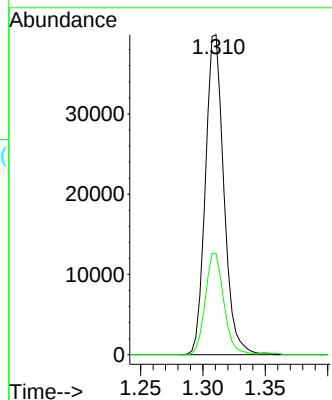
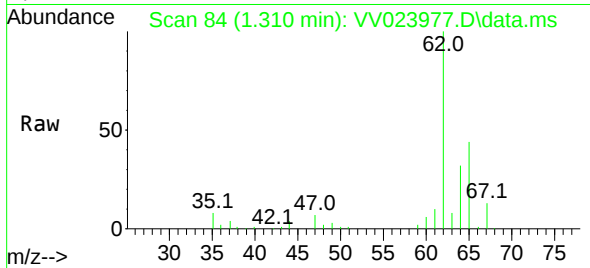




#5
 Vinyl chloride
 Concen: 5.285 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV023977.D
 Acq: 14 Dec 2021 18:36

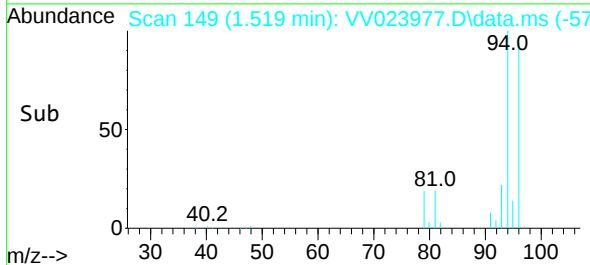
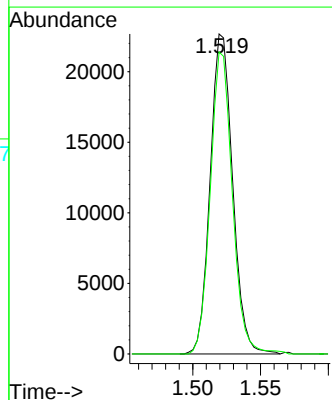
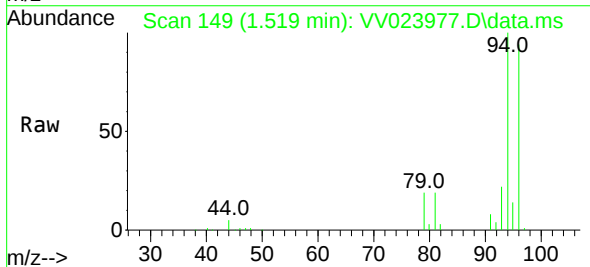
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 ClientSampleId :
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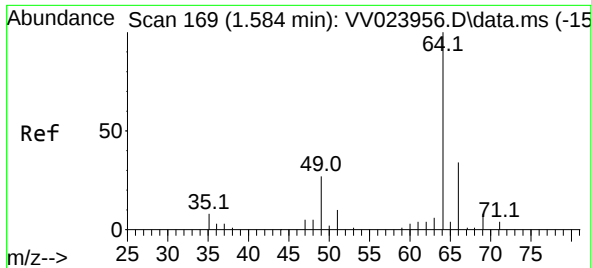
Tgt Ion: 62 Resp: 41019
 Ion Ratio Lower Upper
 62 100
 64 31.6 22.4 41.6



#6
 Bromomethane
 Concen: 5.297 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.003 min
 Lab File: VV023977.D
 Acq: 14 Dec 2021 18:36

Tgt Ion: 94 Resp: 26128
 Ion Ratio Lower Upper
 94 100
 96 94.4 66.2 123.0

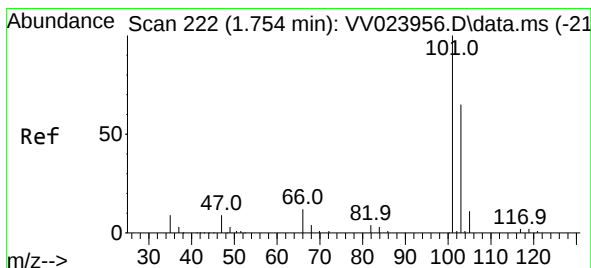
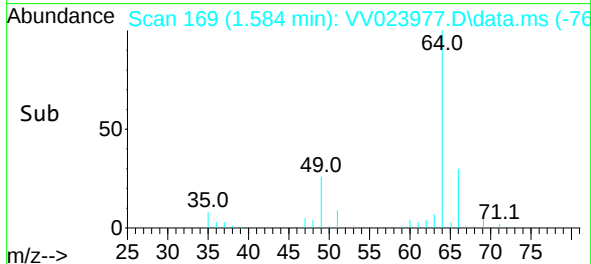
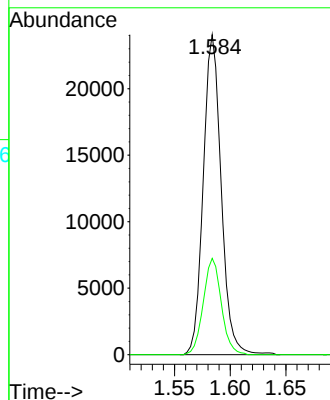
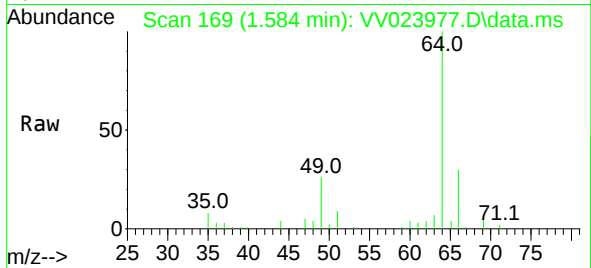




#8
Chloroethane
Concen: 5.324 ug/L
RT: 1.584 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV023977.D
Acq: 14 Dec 2021 18:36

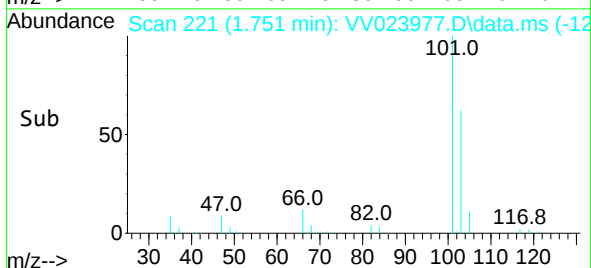
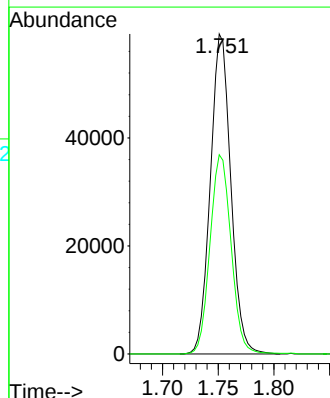
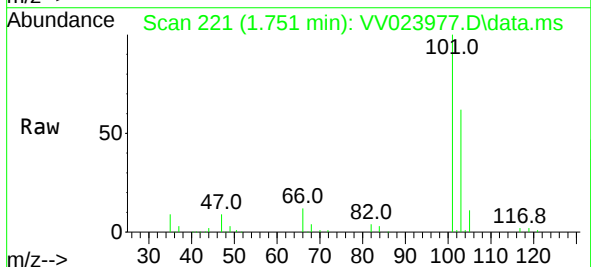
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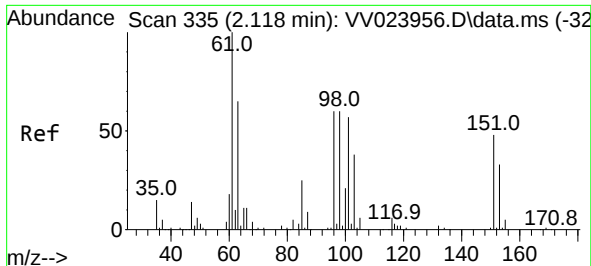
Tgt Ion: 64 Resp: 26889
Ion Ratio Lower Upper
64 100
66 30.1 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.610 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.003 min
Lab File: VV023977.D
Acq: 14 Dec 2021 18:36

Tgt Ion:101 Resp: 75665
Ion Ratio Lower Upper
101 100
103 64.1 51.6 77.4

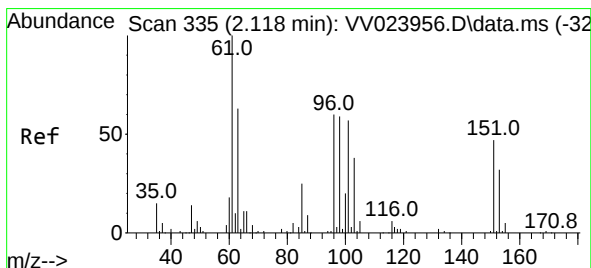
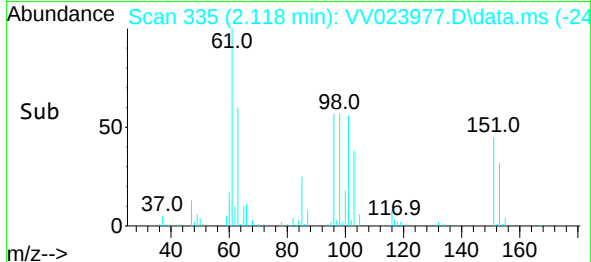
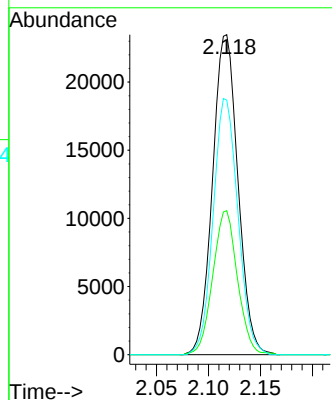
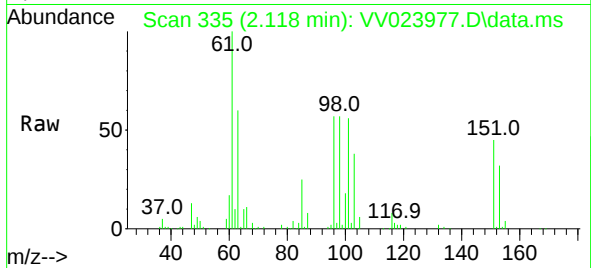




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.621 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV023977.D
 Acq: 14 Dec 2021 18:36

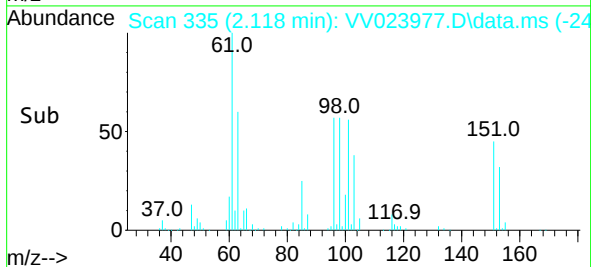
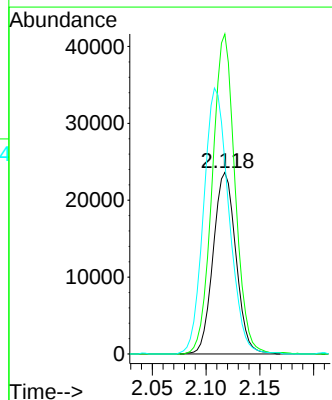
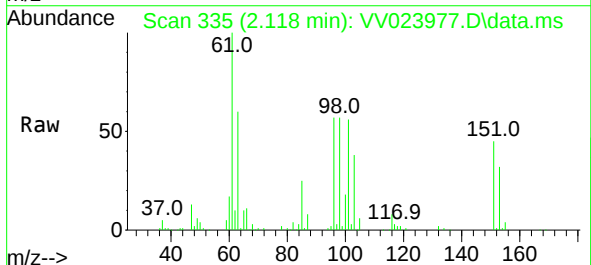
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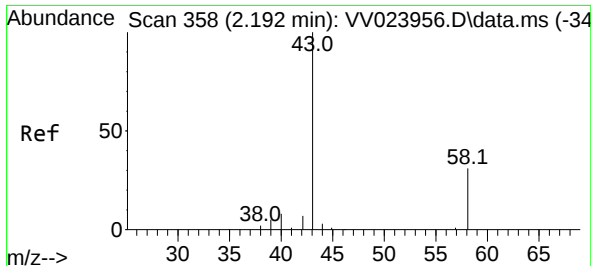
Tgt Ion:101 Resp: 39930
 Ion Ratio Lower Upper
 101 100
 85 43.7 36.0 54.0
 151 78.1 66.4 99.6



#12
 1,1-Dichloroethene
 Concen: 5.376 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV023977.D
 Acq: 14 Dec 2021 18:36

Tgt Ion: 96 Resp: 34712
 Ion Ratio Lower Upper
 96 100
 61 176.3 116.1 215.5
 63 105.8 79.4 147.4





#13

Acetone

Concen: 38.171 ug/L

RT: 2.198 min Scan# 3

Delta R.T. 0.007 min

Lab File: VV023977.D

Acq: 14 Dec 2021 18:36

Instrument :

MSVOA_V

ClientSampleId :

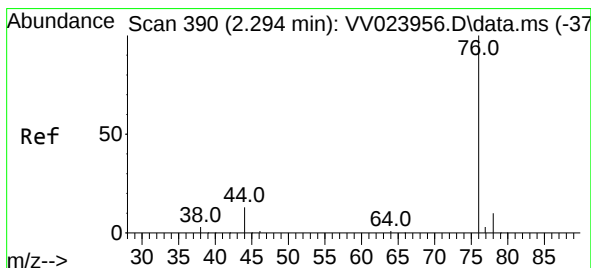
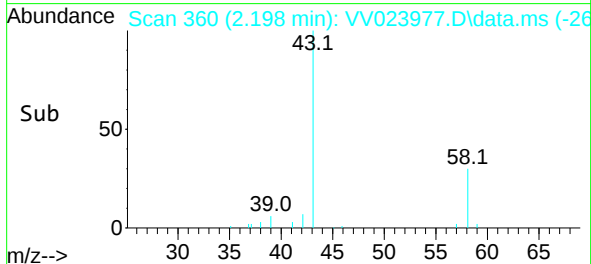
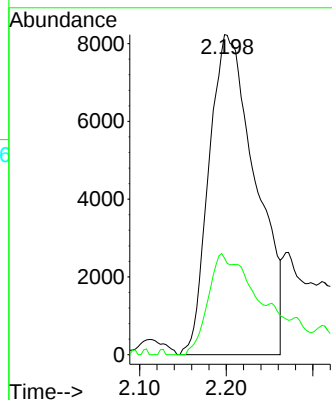
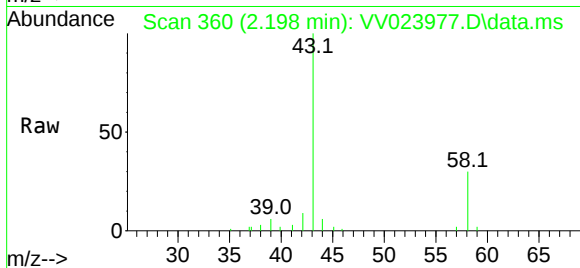
VSTD005393

Tgt Ion: 43 Resp: 30865

Ion Ratio Lower Upper

43 100

58 29.1 0.0 41.4



#14

Carbon disulfide

Concen: 4.992 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.000 min

Lab File: VV023977.D

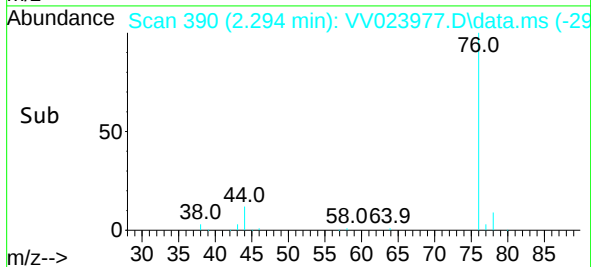
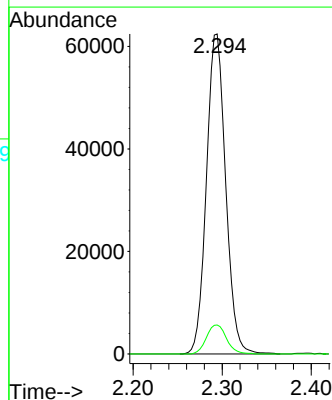
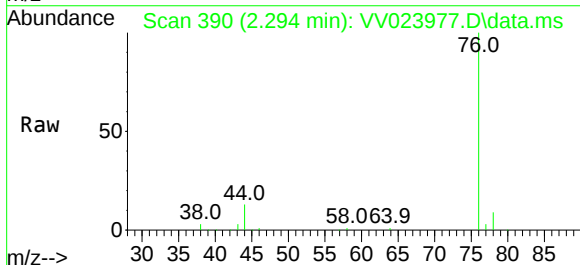
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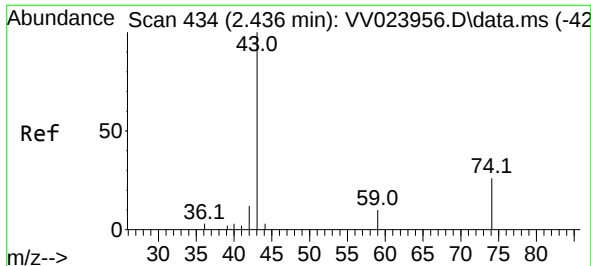
Tgt Ion: 76 Resp: 93491

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3





#15

Methyl Acetate

Concen: 5.147 ug/L

RT: 2.442 min Scan# 41

Delta R.T. 0.007 min

Lab File: VV023977.D

Acq: 14 Dec 2021 18:36

Instrument :

MSVOA_V

ClientSampleId :

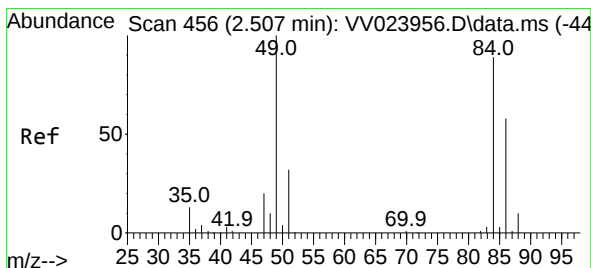
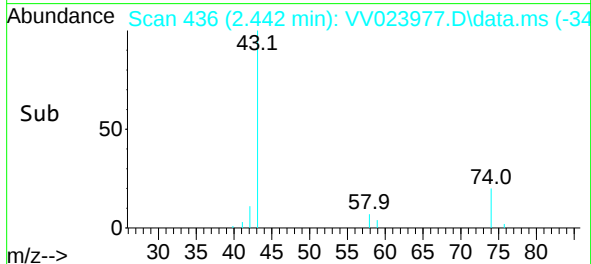
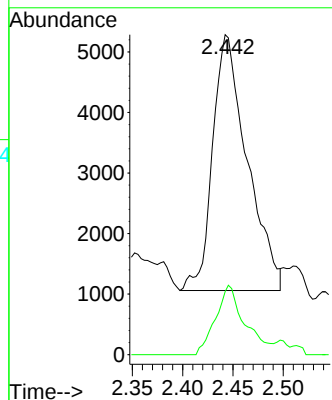
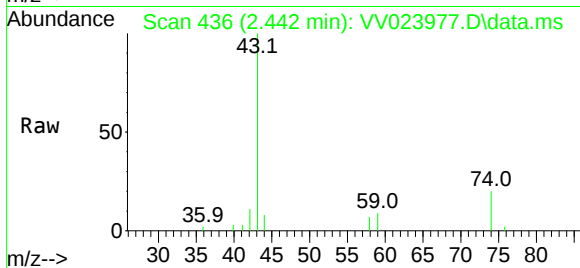
VSTD005393

Tgt Ion: 43 Resp: 10088

Ion Ratio Lower Upper

43 100

74 23.2 20.2 30.2



#16

Methylene chloride

Concen: 4.916 ug/L

RT: 2.507 min Scan# 456

Delta R.T. 0.000 min

Lab File: VV023977.D

Acq: 14 Dec 2021 18:36

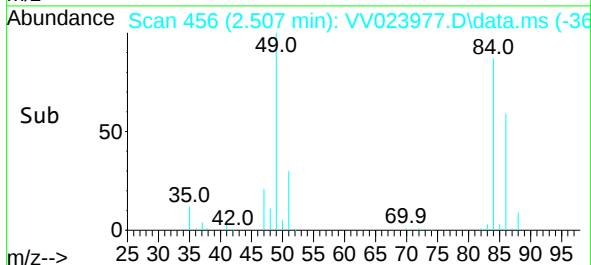
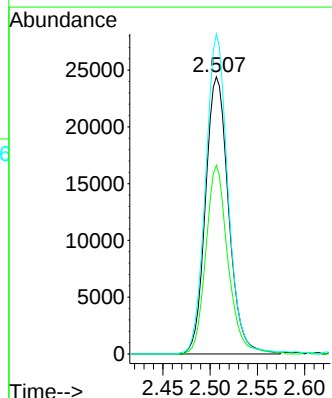
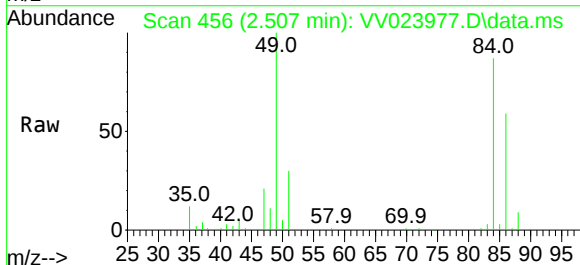
Tgt Ion: 84 Resp: 41527

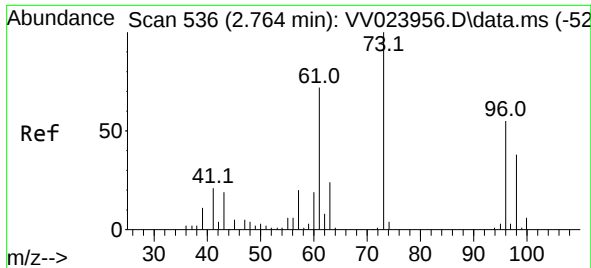
Ion Ratio Lower Upper

84 100

86 68.0 42.6 79.0

49 115.5 79.7 147.9

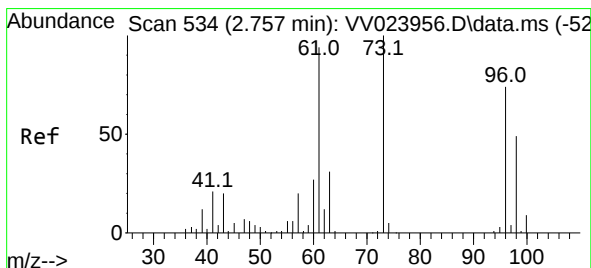
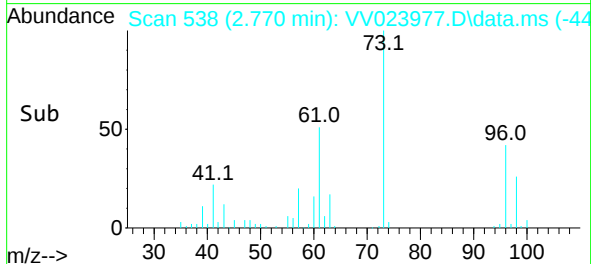
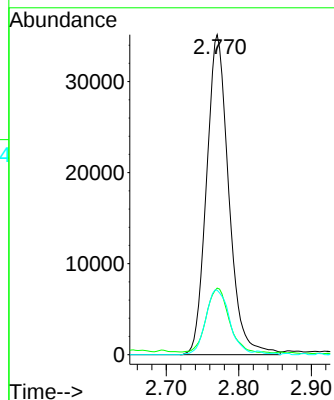
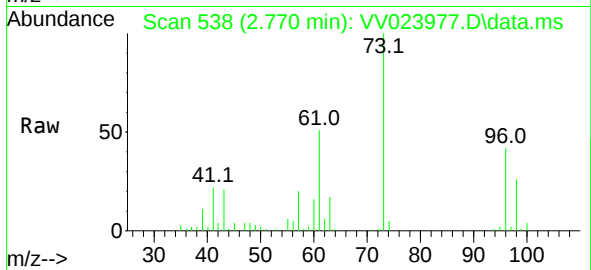




#17
Methyl tert-butyl Ether
Concen: 5.132 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV023977.D
Acq: 14 Dec 2021 18:36

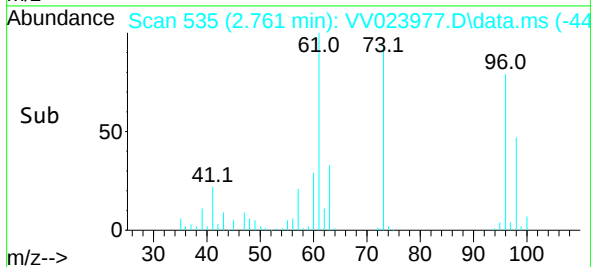
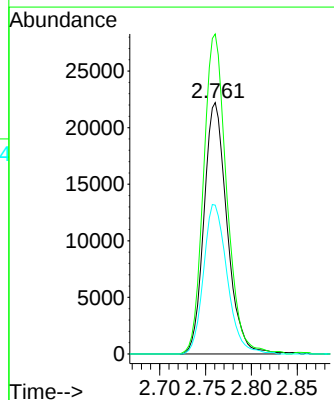
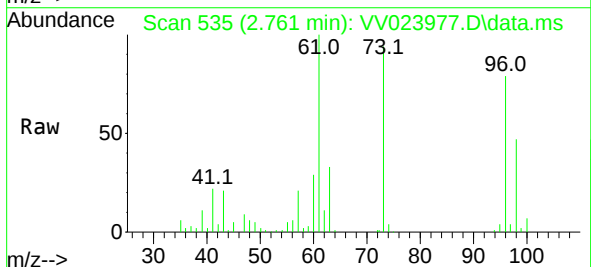
Instrument :
MSVOA_V
ClientSampleId :
VSTD005393

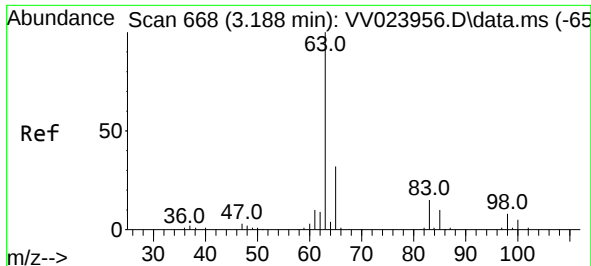
Tgt Ion: 73 Resp: 74924
Ion Ratio Lower Upper
73 100
43 20.2 15.5 23.3
57 21.7 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 5.435 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.000 min
Lab File: VV023977.D
Acq: 14 Dec 2021 18:36

Tgt Ion: 96 Resp: 38841
Ion Ratio Lower Upper
96 100
61 127.3 88.2 163.8
98 59.2 44.9 83.5





#19

1,1-Dichloroethane

Concen: 5.453 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV023977.D

Acq: 14 Dec 2021 18:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005393

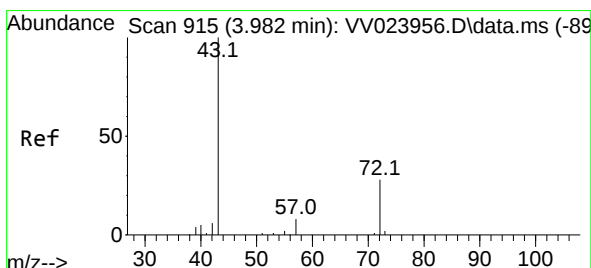
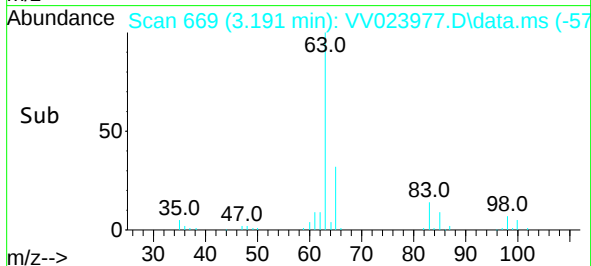
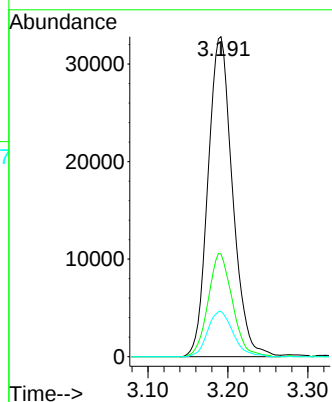
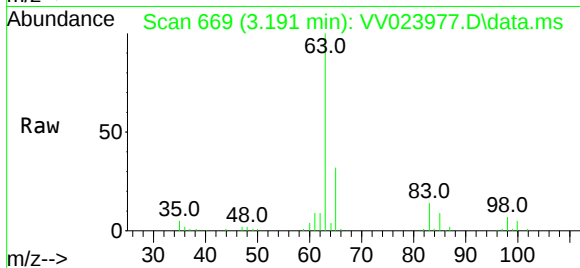
Tgt Ion: 63 Resp: 69941

Ion Ratio Lower Upper

63 100

65 32.1 22.3 41.3

83 14.2 10.7 19.9



#21

2-Butanone

Concen: 44.241 ug/L

RT: 3.989 min Scan# 917

Delta R.T. 0.000 min

Lab File: VV023977.D

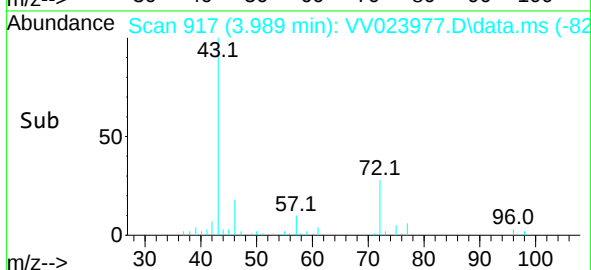
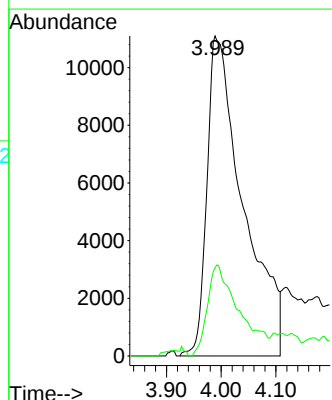
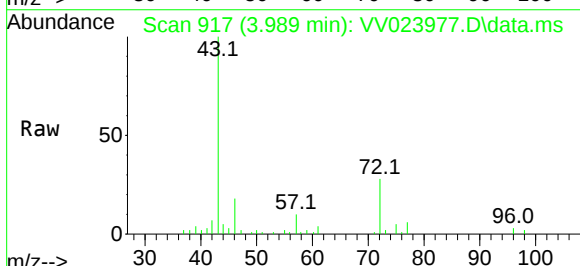
Acq: 14 Dec 2021 18:36

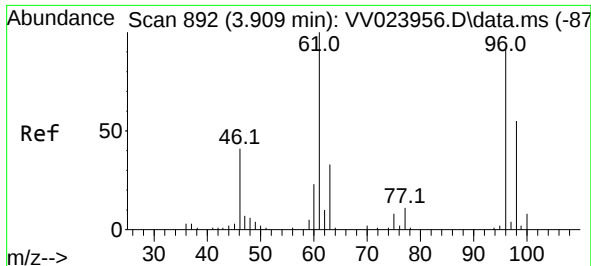
Tgt Ion: 43 Resp: 51113

Ion Ratio Lower Upper

43 100

72 22.5 11.1 33.1

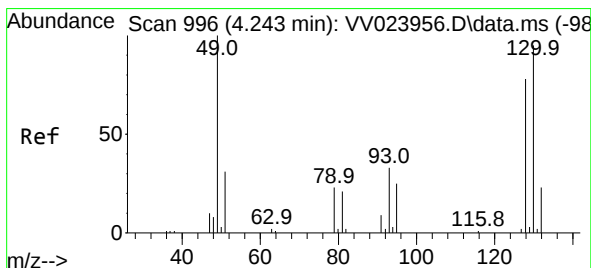
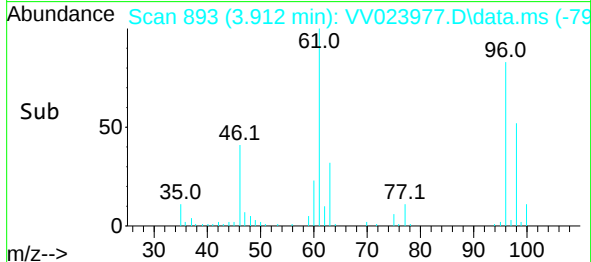
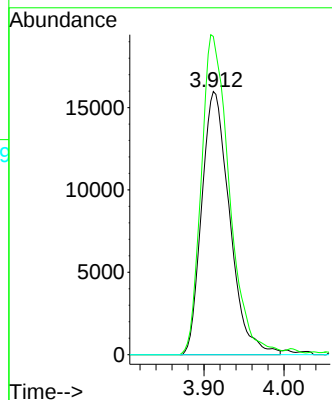
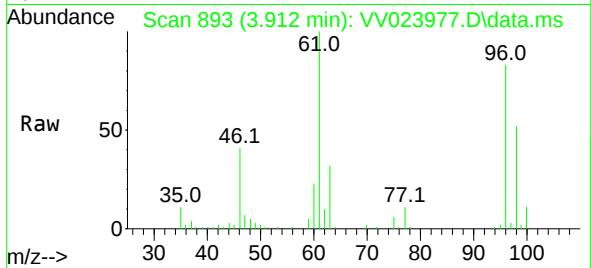




#22
 cis-1,2-Dichloroethene
 Concen: 5.126 ug/L
 RT: 3.912 min Scan# 892
 Delta R.T. 0.003 min
 Lab File: VV023977.D
 Acq: 14 Dec 2021 18:36

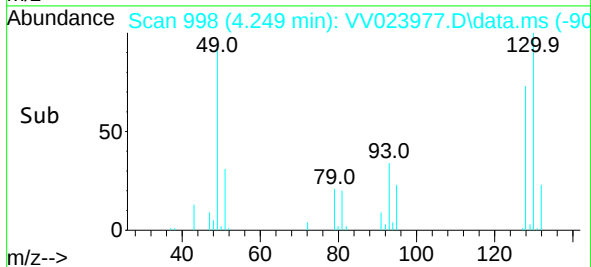
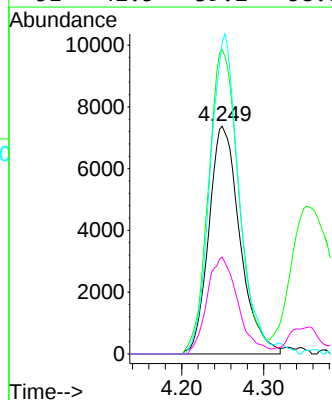
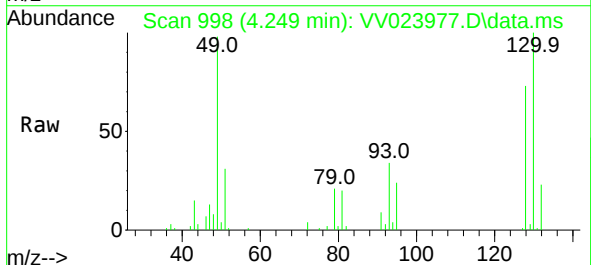
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005393

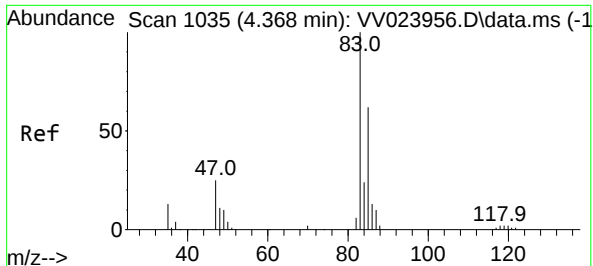
Tgt Ion: 96 Resp: 38781
 Ion Ratio Lower Upper
 96 100
 61 120.9 83.4 154.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.647 ug/L
 RT: 4.249 min Scan# 998
 Delta R.T. 0.007 min
 Lab File: VV023977.D
 Acq: 14 Dec 2021 18:36

Tgt Ion: 128 Resp: 19413
 Ion Ratio Lower Upper
 128 100
 49 133.7 100.2 186.2
 130 136.7 92.5 171.7
 51 42.5 39.2 58.8





#25

Chloroform

Concen: 5.539 ug/L

RT: 4.375 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VV023977.D

Acq: 14 Dec 2021 18:36

Instrument :

MSVOA_V

ClientSampleId :

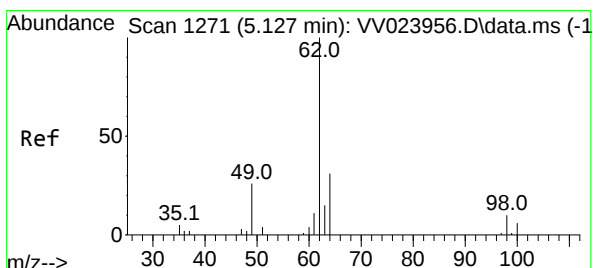
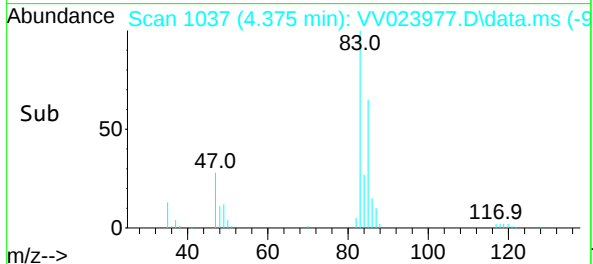
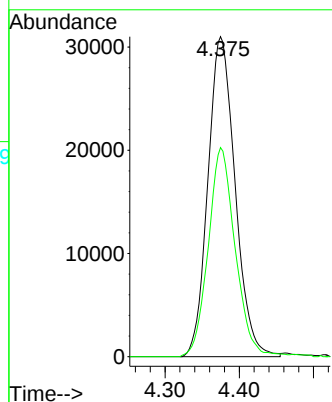
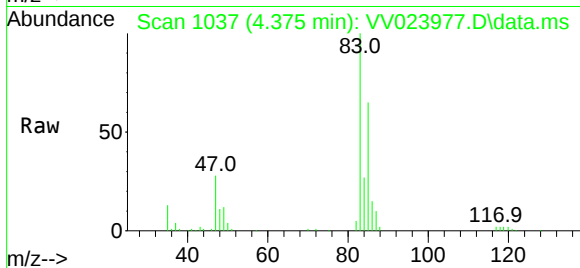
VSTD005393

Tgt Ion: 83 Resp: 78986

Ion Ratio Lower Upper

83 100

85 65.4 45.2 84.0



#27

1,2-Dichloroethane

Concen: 5.596 ug/L

RT: 5.133 min Scan# 1273

Delta R.T. 0.003 min

Lab File: VV023977.D

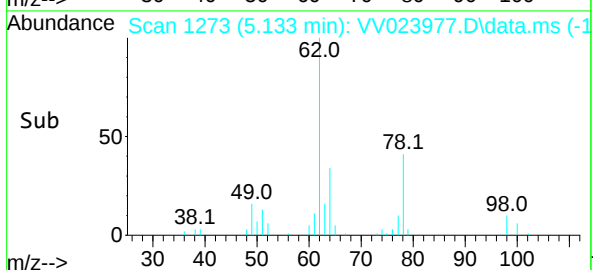
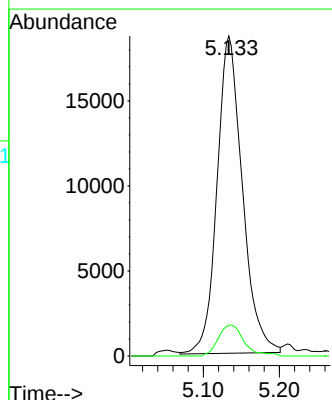
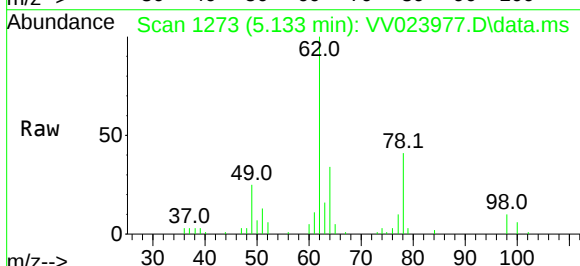
Acq: 14 Dec 2021 18:36

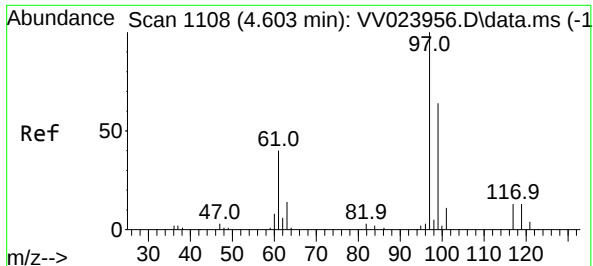
Tgt Ion: 62 Resp: 43230

Ion Ratio Lower Upper

62 100

98 9.6 8.1 12.1





#29

1,1,1-Trichloroethane

Concen: 5.399 ug/L

RT: 4.609 min Scan# 1108

Delta R.T. 0.003 min

Lab File: VV023977.D

Acq: 14 Dec 2021 18:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005393

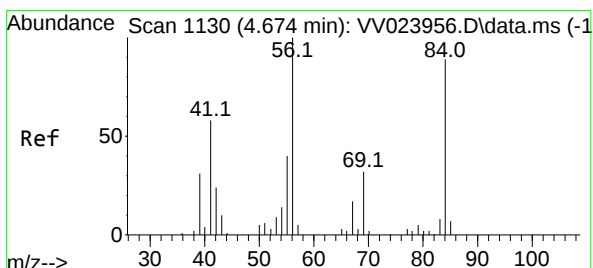
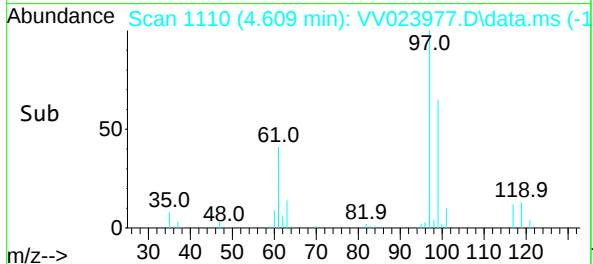
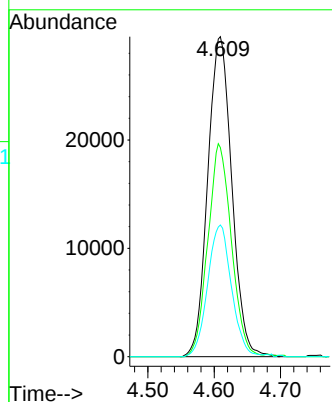
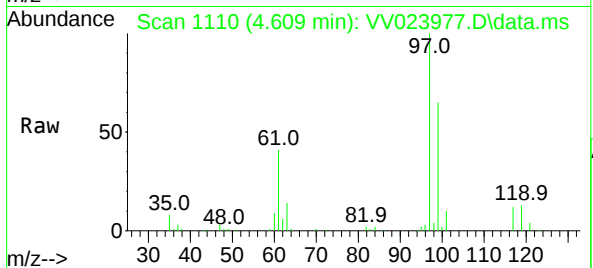
Tgt Ion: 97 Resp: 74478

Ion Ratio Lower Upper

97 100

99 65.0 51.9 77.9

61 40.8 33.2 49.8



#30

Cyclohexane

Concen: 4.697 ug/L

RT: 4.680 min Scan# 1132

Delta R.T. 0.007 min

Lab File: VV023977.D

Acq: 14 Dec 2021 18:36

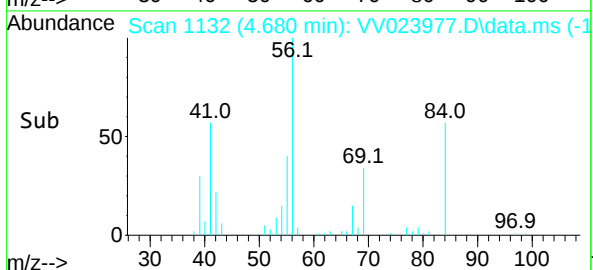
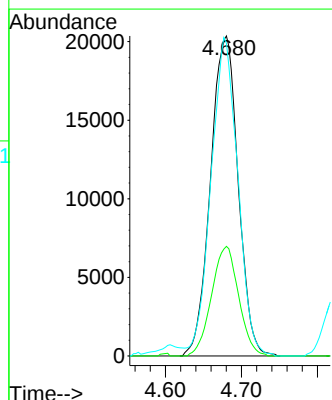
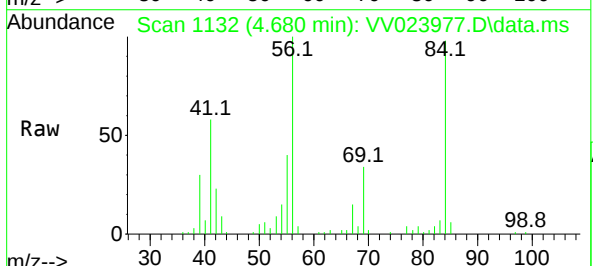
Tgt Ion: 56 Resp: 51390

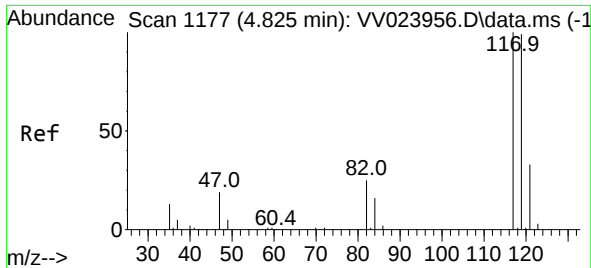
Ion Ratio Lower Upper

56 100

69 33.6 24.8 37.2

84 96.4 75.9 113.9

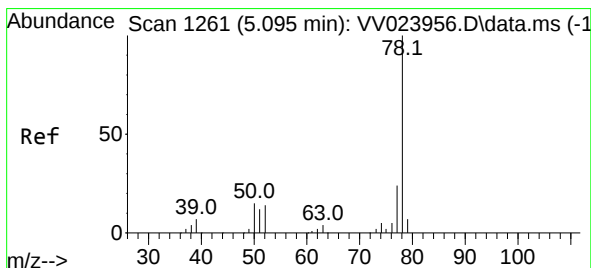
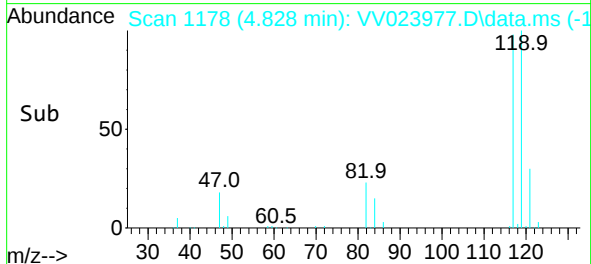
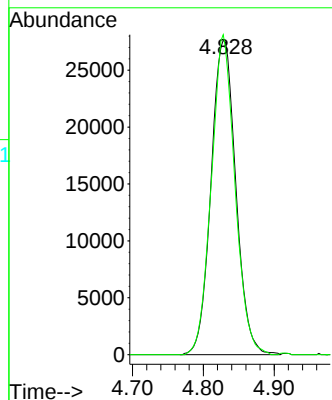
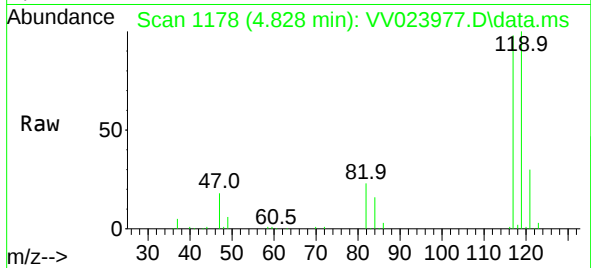




#31
Carbon tetrachloride
Concen: 5.178 ug/L
RT: 4.828 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VV023977.D
Acq: 14 Dec 2021 18:36

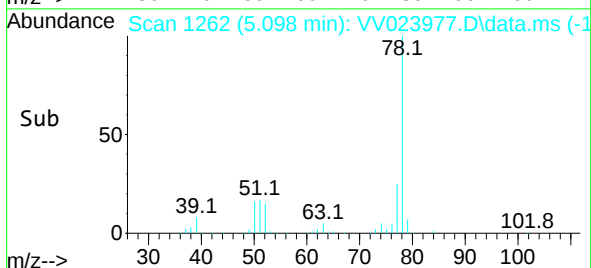
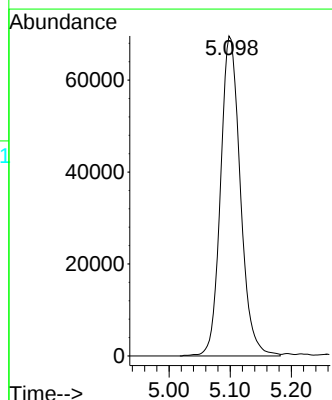
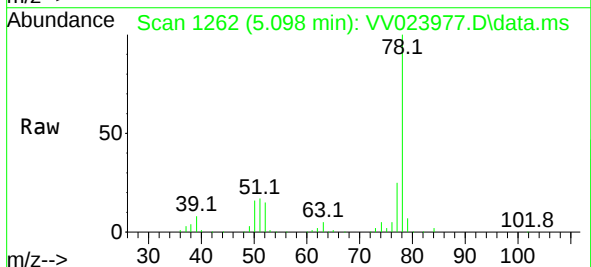
Instrument :
MSVOA_V
ClientSampleId :
VSTD005393

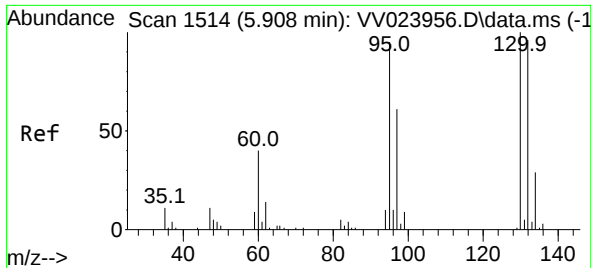
Tgt Ion:117 Resp: 67146
Ion Ratio Lower Upper
117 100
119 97.1 76.6 114.8



#33
Benzene
Concen: 5.240 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.000 min
Lab File: VV023977.D
Acq: 14 Dec 2021 18:36

Tgt Ion: 78 Resp: 156297

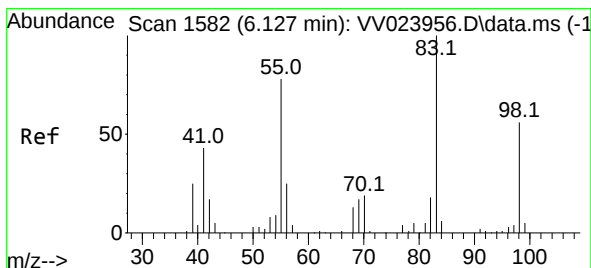
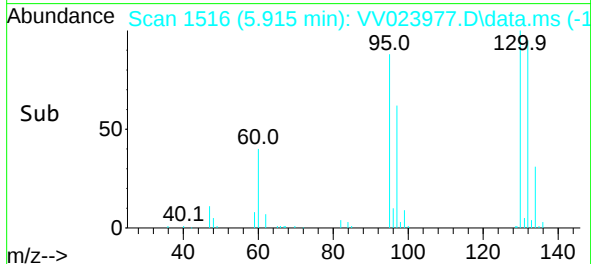
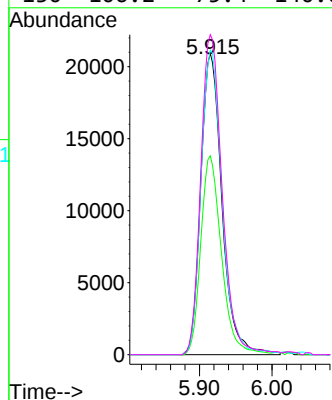
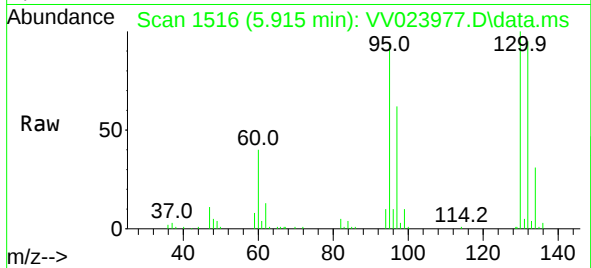




#34
Trichloroethene
Concen: 5.038 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.003 min
Lab File: VV023977.D
Acq: 14 Dec 2021 18:36

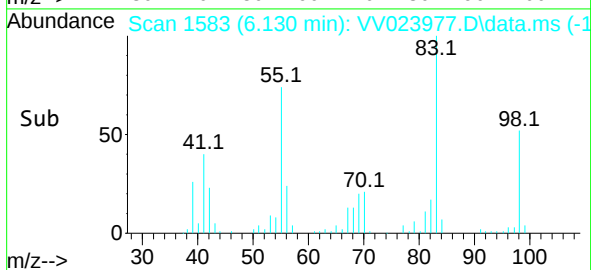
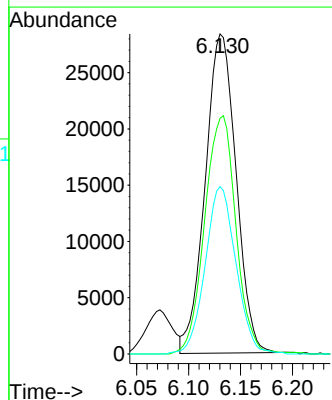
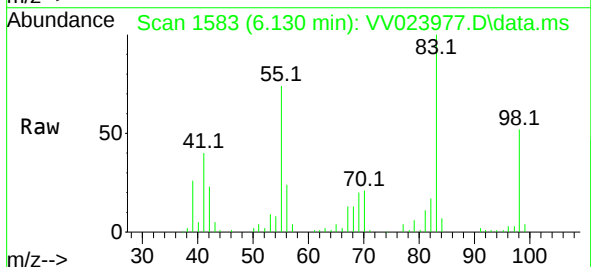
Instrument :
MSVOA_V
ClientSampleId :
VSTD005393

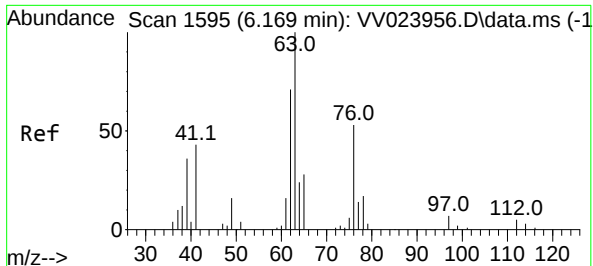
Tgt Ion: 95 Resp: 42388
Ion Ratio Lower Upper
95 100
97 66.0 45.2 84.0
132 101.0 76.1 141.3
130 106.2 75.4 140.0



#35
Methylcyclohexane
Concen: 4.734 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.000 min
Lab File: VV023977.D
Acq: 14 Dec 2021 18:36

Tgt Ion: 83 Resp: 58620
Ion Ratio Lower Upper
83 100
55 75.5 60.2 90.2
98 52.2 41.0 61.4

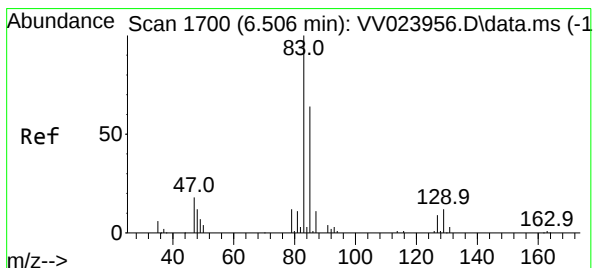
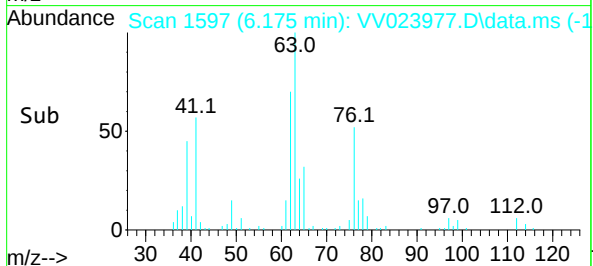
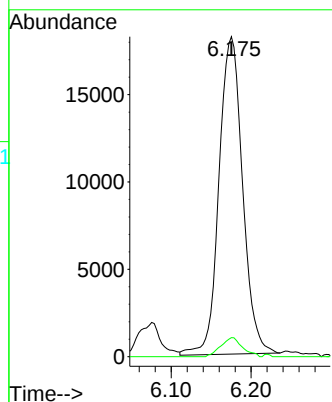
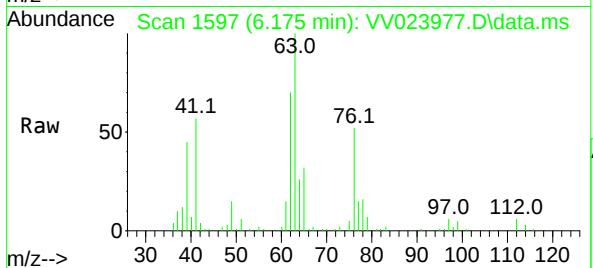




#37
1,2-Dichloropropane
Concen: 5.248 ug/L
RT: 6.175 min Scan# 11
Delta R.T. 0.007 min
Lab File: VV023977.D
Acq: 14 Dec 2021 18:36

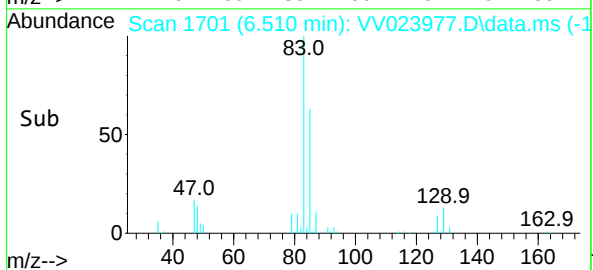
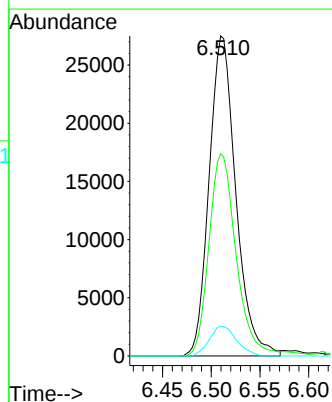
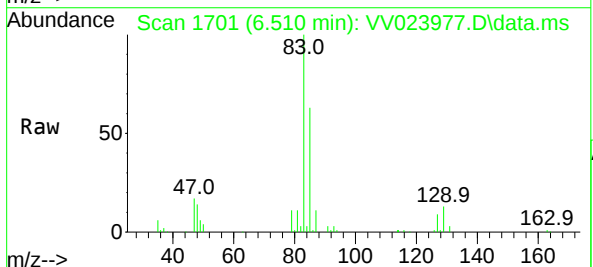
Instrument :
MSVOA_V
ClientSampleId :
VSTD005393

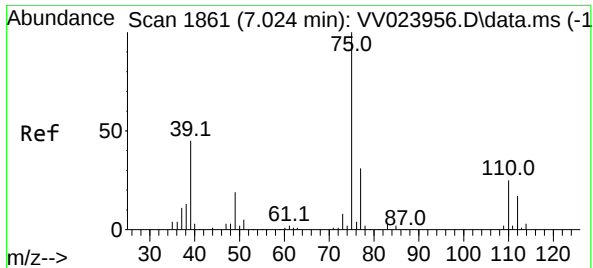
Tgt Ion: 63 Resp: 37210
Ion Ratio Lower Upper
63 100
112 5.5 4.3 6.5



#38
Bromodichloromethane
Concen: 5.212 ug/L
RT: 6.510 min Scan# 1701
Delta R.T. 0.003 min
Lab File: VV023977.D
Acq: 14 Dec 2021 18:36

Tgt Ion: 83 Resp: 52348
Ion Ratio Lower Upper
83 100
85 63.2 44.0 81.8
127 9.3 8.6 12.8





#39

cis-1,3-Dichloropropene

Concen: 4.802 ug/L

RT: 7.030 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV023977.D

Acq: 14 Dec 2021 18:36

Instrument :

MSVOA_V

ClientSampleId :

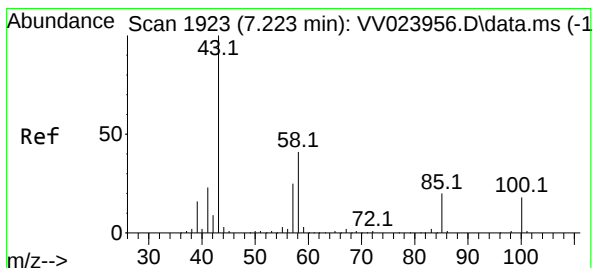
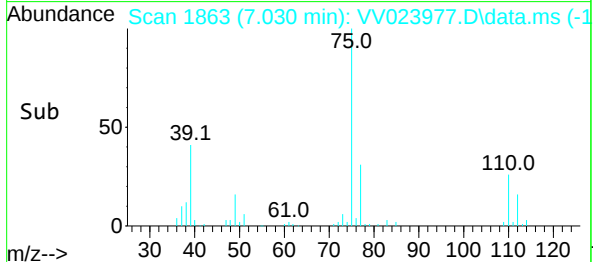
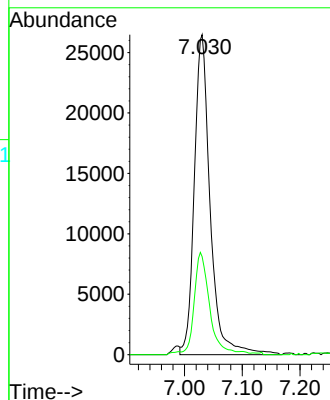
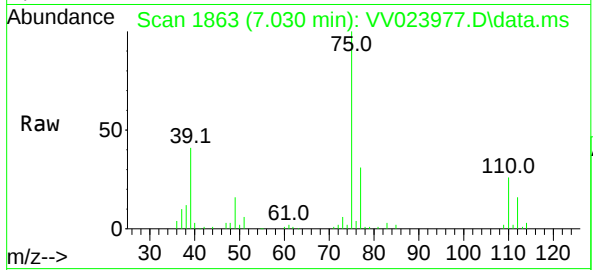
VSTD005393

Tgt Ion: 75 Resp: 50543

Ion Ratio Lower Upper

75 100

77 30.7 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 53.907 ug/L

RT: 7.230 min Scan# 1925

Delta R.T. 0.003 min

Lab File: VV023977.D

Acq: 14 Dec 2021 18:36

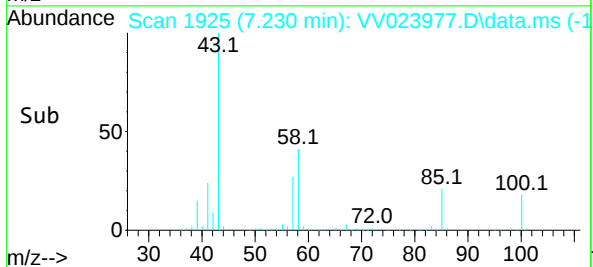
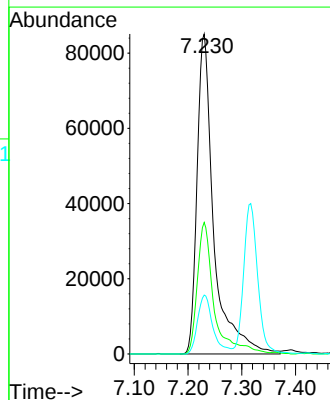
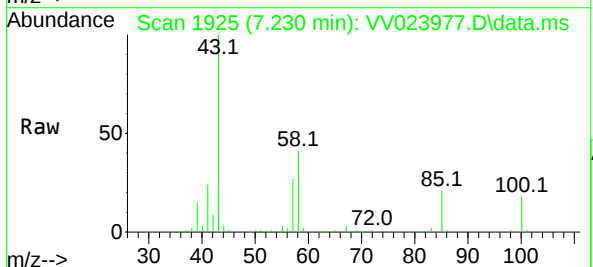
Tgt Ion: 43 Resp: 183593

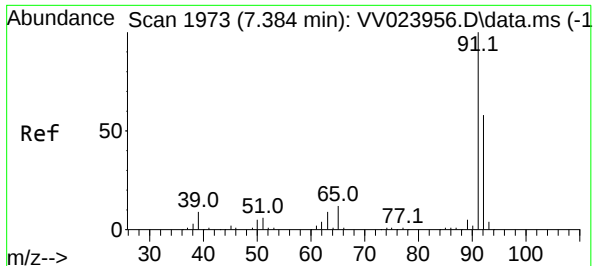
Ion Ratio Lower Upper

43 100

58 41.1 32.3 48.5

100 17.0 13.0 19.6





#42

Toluene

Concen: 5.282 ug/L

RT: 7.387 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV023977.D

Acq: 14 Dec 2021 18:36

Instrument :

MSVOA_V

ClientSampleId :

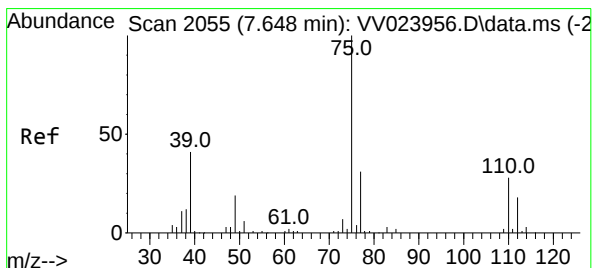
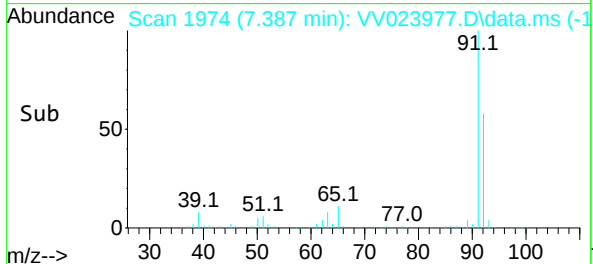
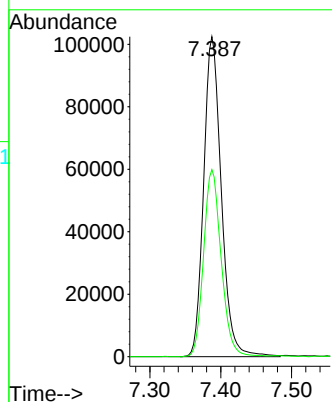
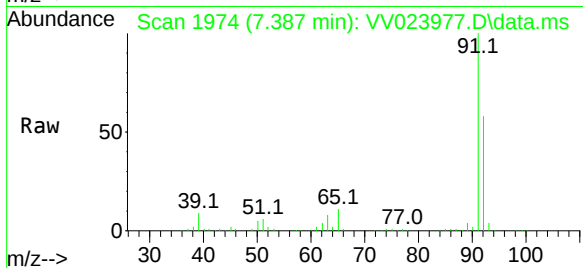
VSTD005393

Tgt Ion: 91 Resp: 177322

Ion Ratio Lower Upper

91 100

92 58.5 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 4.838 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VV023977.D

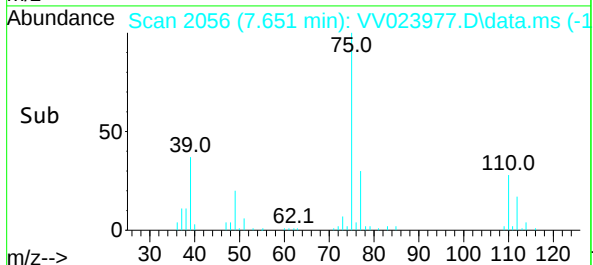
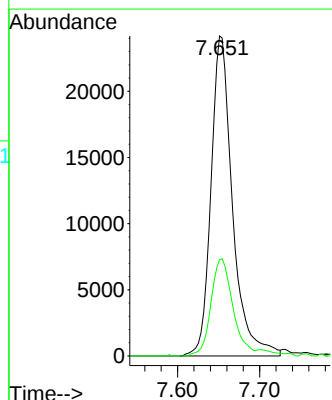
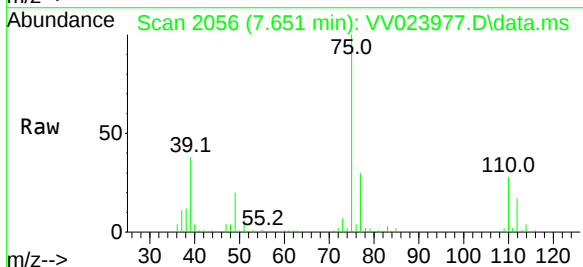
Acq: 14 Dec 2021 18:36

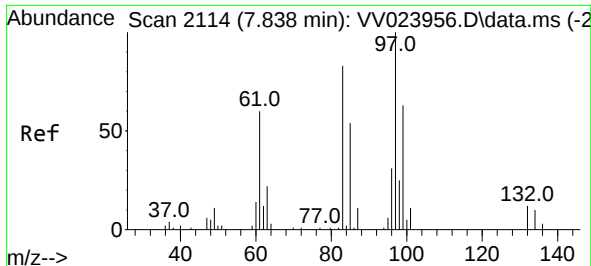
Tgt Ion: 75 Resp: 44012

Ion Ratio Lower Upper

75 100

77 30.1 21.8 40.4



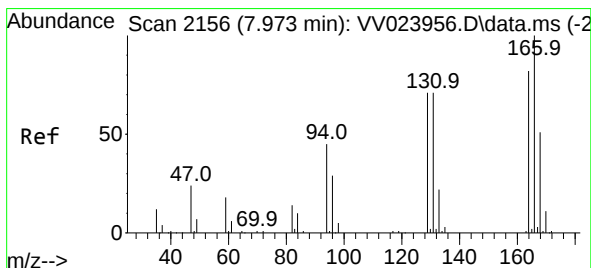
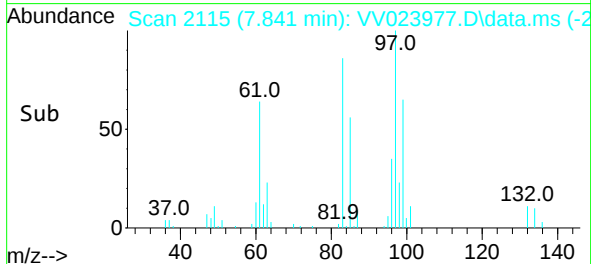
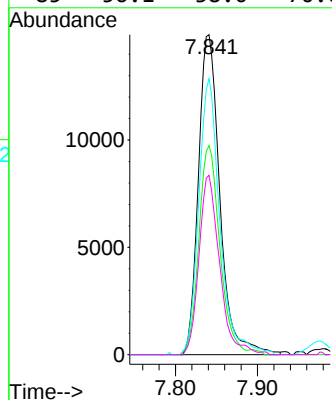
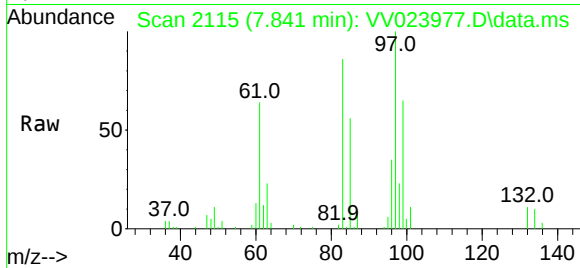


#45
 1,1,2-Trichloroethane
 Concen: 5.173 ug/L
 RT: 7.841 min Scan# 2115
 Delta R.T. 0.003 min
 Lab File: VV023977.D
 Acq: 14 Dec 2021 18:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005393

Tgt Ion: 97 Resp: 27134

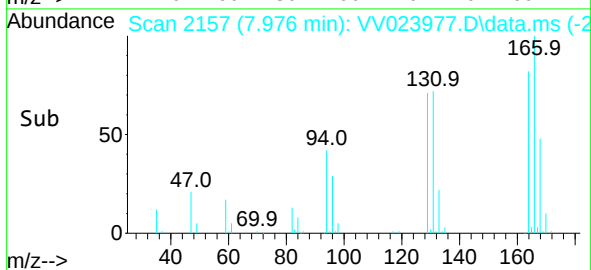
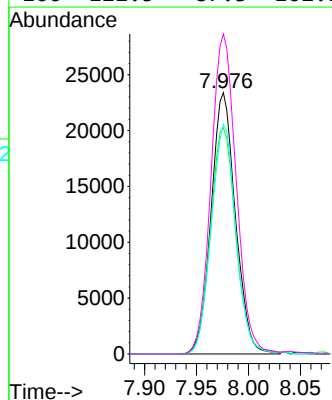
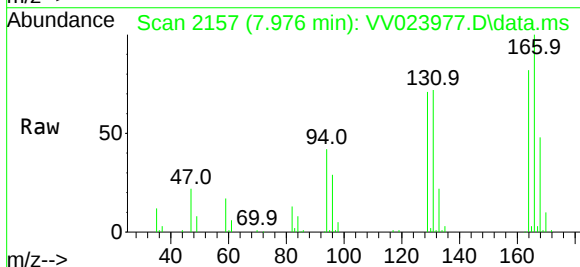
Ion	Ratio	Lower	Upper
97	100		
99	65.3	43.1	80.1
83	86.3	57.9	107.5
85	56.1	38.0	70.6

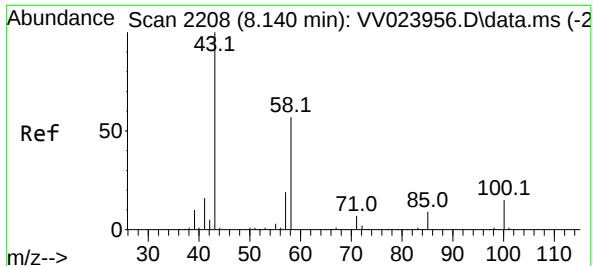


#47
 Tetrachloroethene
 Concen: 5.131 ug/L
 RT: 7.976 min Scan# 2157
 Delta R.T. 0.000 min
 Lab File: VV023977.D
 Acq: 14 Dec 2021 18:36

Tgt Ion: 164 Resp: 38009

Ion	Ratio	Lower	Upper
164	100		
129	86.6	62.6	116.2
131	88.0	61.0	113.4
166	122.5	87.3	162.1

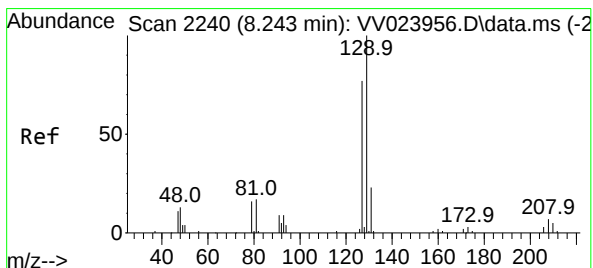
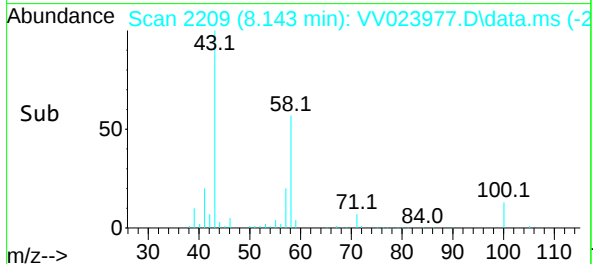
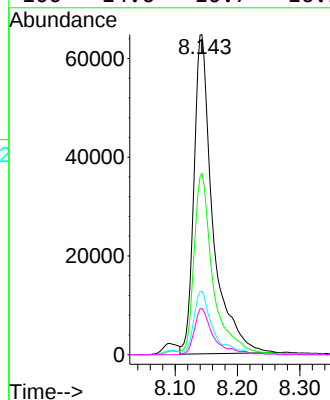
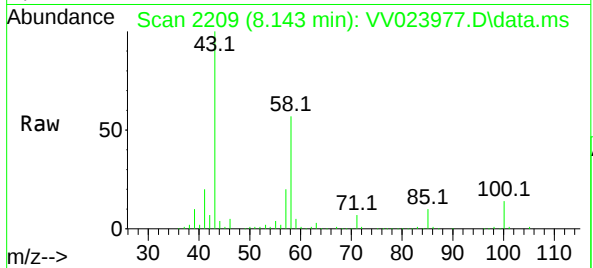




#48
2-Hexanone
Concen: 55.031 ug/L
RT: 8.143 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023977.D
Acq: 14 Dec 2021 18:36

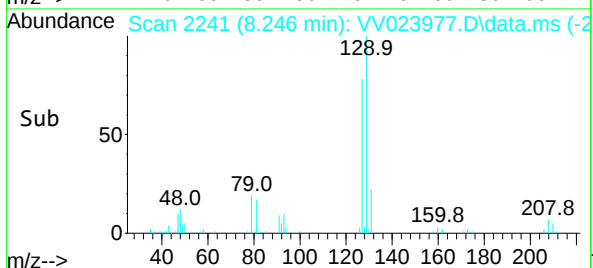
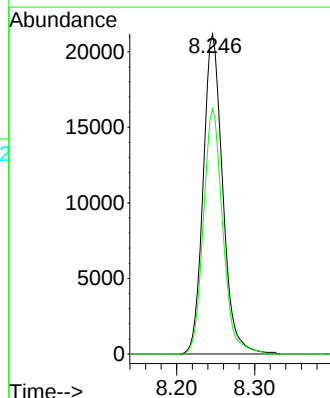
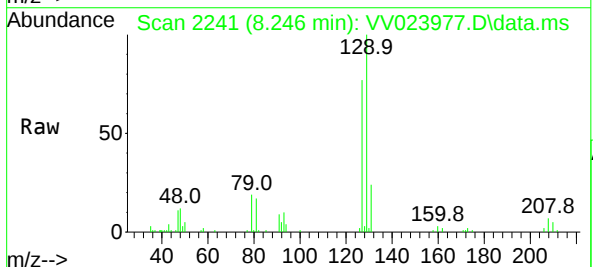
Instrument :
MSVOA_V
ClientSampleId :
VSTD005393

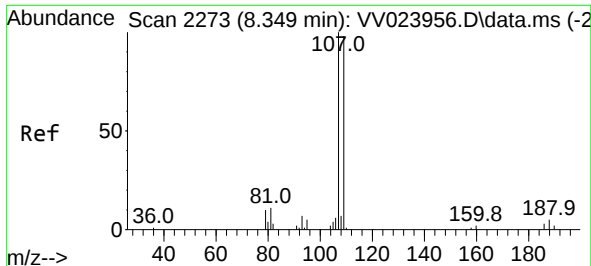
Tgt Ion: 43 Resp: 135896
Ion Ratio Lower Upper
43 100
58 55.7 44.5 66.7
57 19.5 15.1 22.7
100 14.6 10.7 16.1



#49
Dibromochloromethane
Concen: 5.151 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VV023977.D
Acq: 14 Dec 2021 18:36

Tgt Ion: 129 Resp: 36762
Ion Ratio Lower Upper
129 100
127 76.7 53.5 99.3

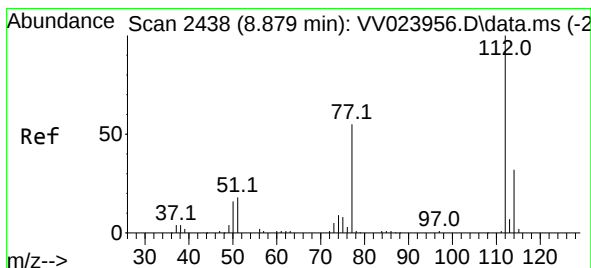
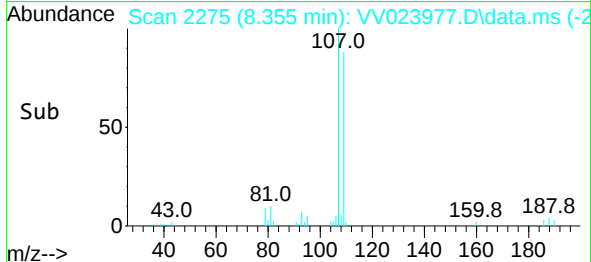
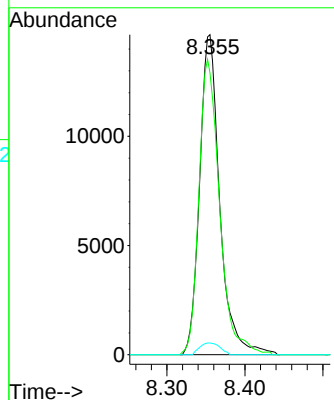
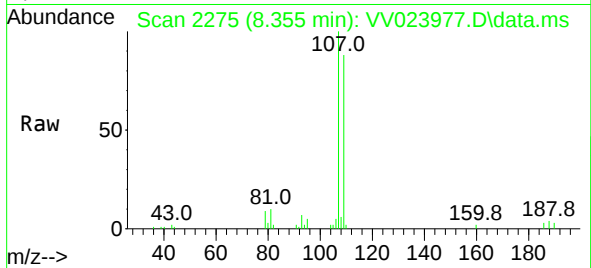




#50
1,2-Dibromoethane
Concen: 5.395 ug/L
RT: 8.355 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023977.D
Acq: 14 Dec 2021 18:36

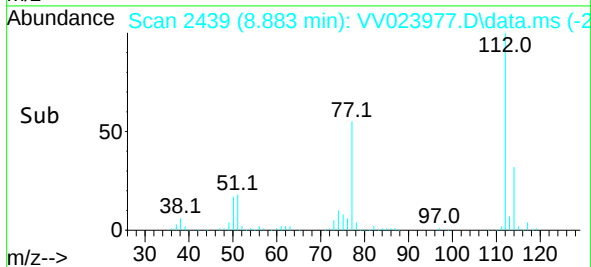
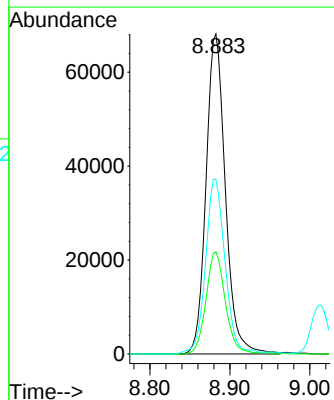
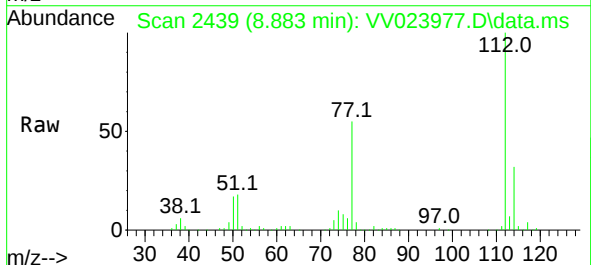
Instrument :
MSVOA_V
ClientSampleId :
VSTD005393

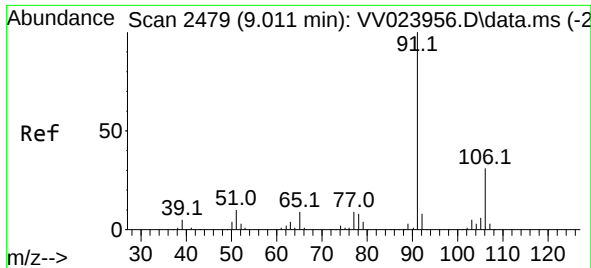
Tgt Ion:	107	Resp:	26274
Ion	Ratio	Lower	Upper
107	100		
109	88.1	62.5	116.1
188	3.7	3.4	5.2



#51
Chlorobenzene
Concen: 5.111 ug/L
RT: 8.883 min Scan# 2439
Delta R.T. 0.003 min
Lab File: VV023977.D
Acq: 14 Dec 2021 18:36

Tgt Ion:	112	Resp:	114677
Ion	Ratio	Lower	Upper
112	100		
114	31.9	23.3	43.3
77	54.6	43.3	64.9





#52

Ethylbenzene

Concen: 5.104 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. 0.000 min

Lab File: VV023977.D

Acq: 14 Dec 2021 18:36

Instrument :

MSVOA_V

ClientSampleId :

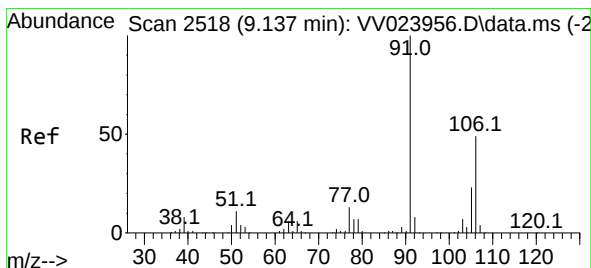
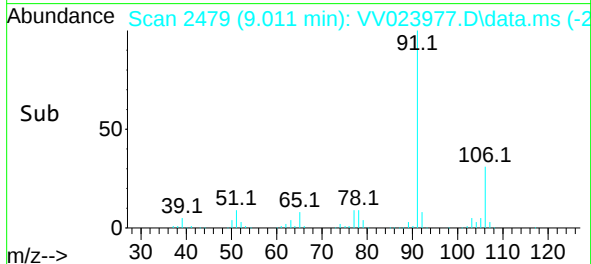
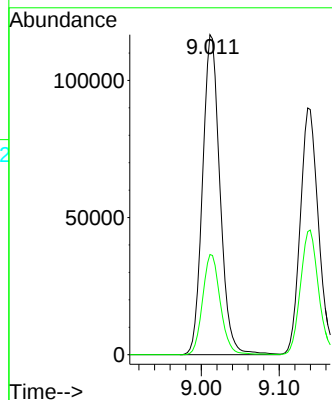
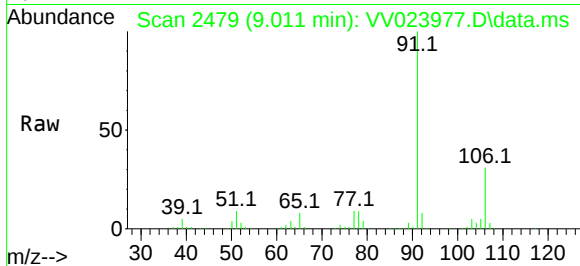
VSTD005393

Tgt Ion: 91 Resp: 180798

Ion Ratio Lower Upper

91 100

106 31.3 22.0 41.0



#53

m,p-xylene

Concen: 5.205 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV023977.D

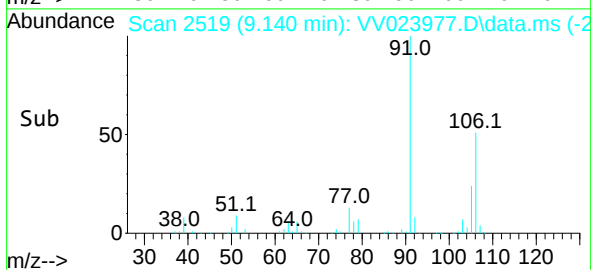
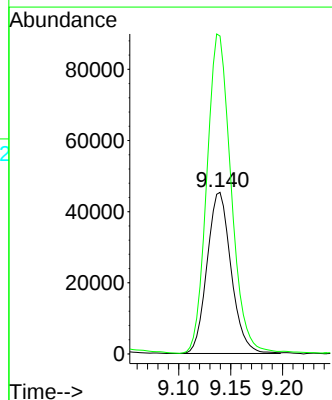
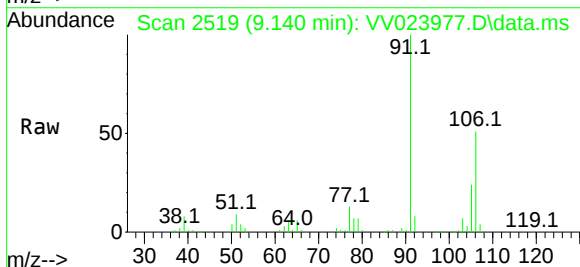
Acq: 14 Dec 2021 18:36

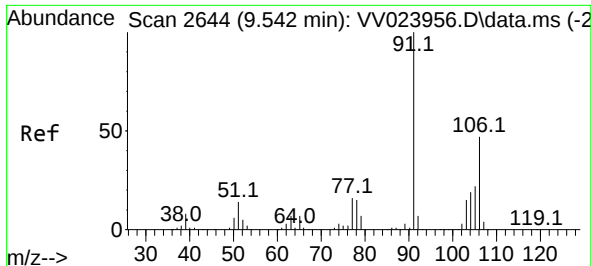
Tgt Ion: 106 Resp: 72912

Ion Ratio Lower Upper

106 100

91 196.7 139.5 259.1

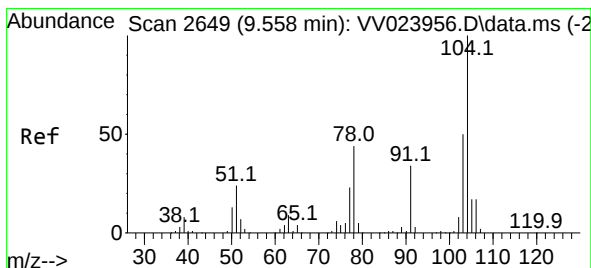
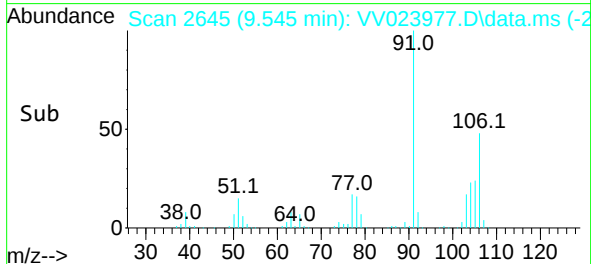
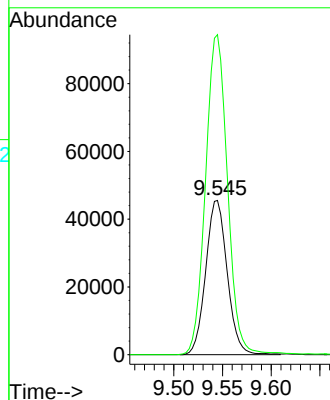
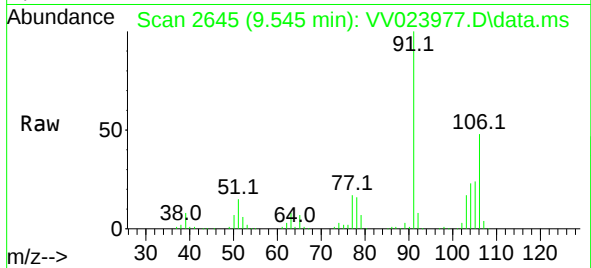




#54
o-xylene
Concen: 5.156 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV023977.D
Acq: 14 Dec 2021 18:36

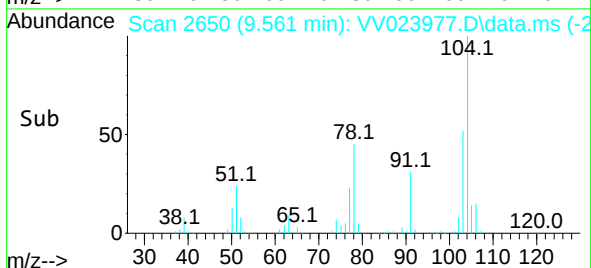
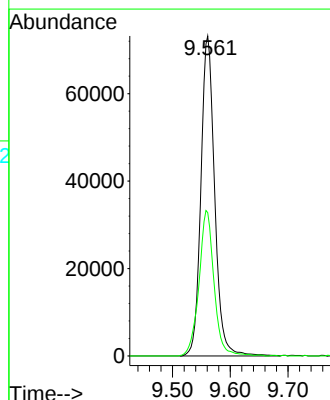
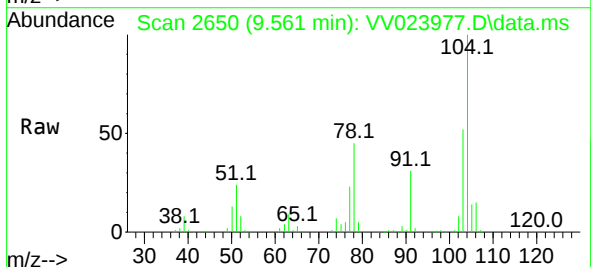
Instrument :
MSVOA_V
ClientSampleId :
VSTD005393

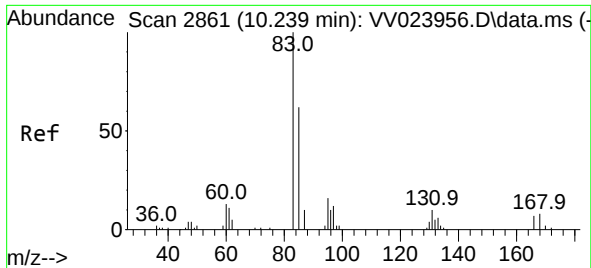
Tgt Ion:106 Resp: 69852
Ion Ratio Lower Upper
106 100
91 207.4 147.9 274.7



#55
Styrene
Concen: 5.383 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.003 min
Lab File: VV023977.D
Acq: 14 Dec 2021 18:36

Tgt Ion:104 Resp: 121386
Ion Ratio Lower Upper
104 100
78 44.8 31.0 57.6

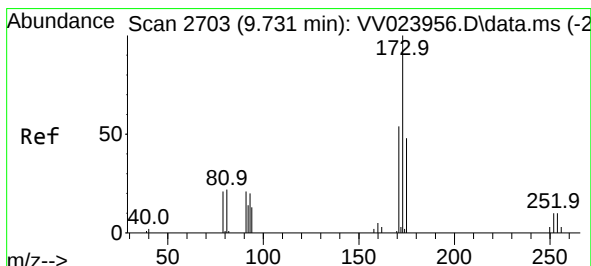
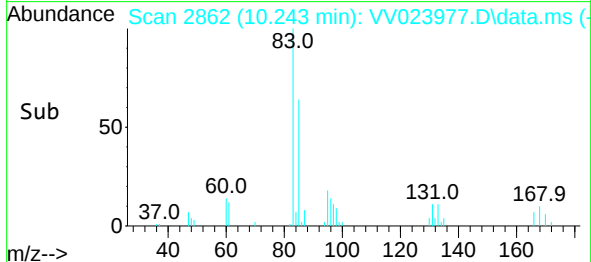
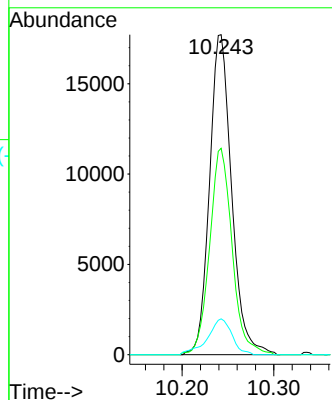
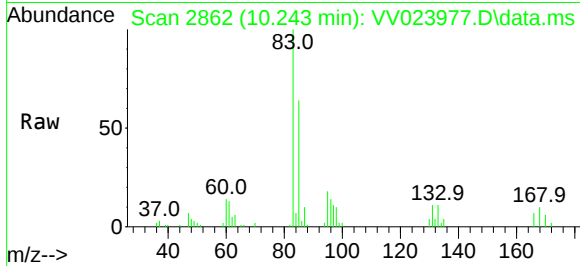




#57
1,1,2,2-Tetrachloroethane
Concen: 5.163 ug/L
RT: 10.243 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023977.D
Acq: 14 Dec 2021 18:36

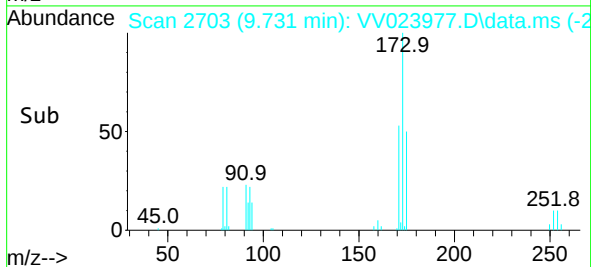
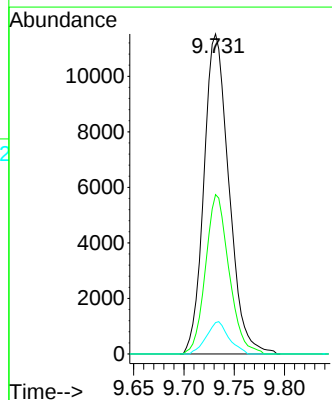
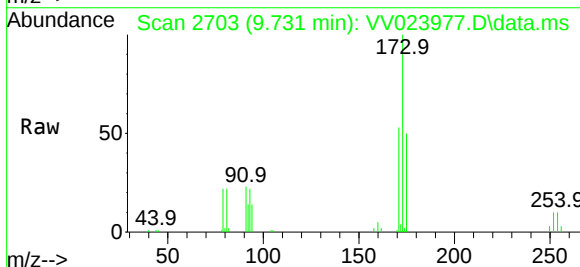
Instrument :
MSVOA_V
ClientSampleId :
VSTD005393

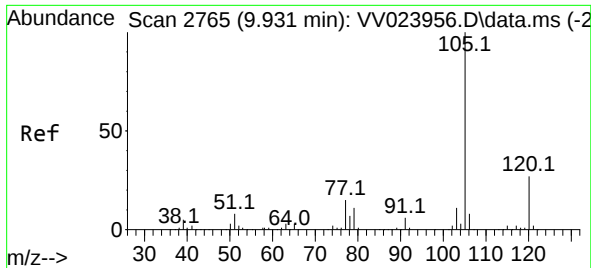
Tgt Ion: 83 Resp: 29652
Ion Ratio Lower Upper
83 100
85 64.5 44.6 82.8
131 11.2 8.3 12.5



#59
Bromoform
Concen: 4.930 ug/L
RT: 9.731 min Scan# 2703
Delta R.T. 0.000 min
Lab File: VV023977.D
Acq: 14 Dec 2021 18:36

Tgt Ion: 173 Resp: 19908
Ion Ratio Lower Upper
173 100
175 46.9 39.4 59.2
254 9.0 7.4 11.0

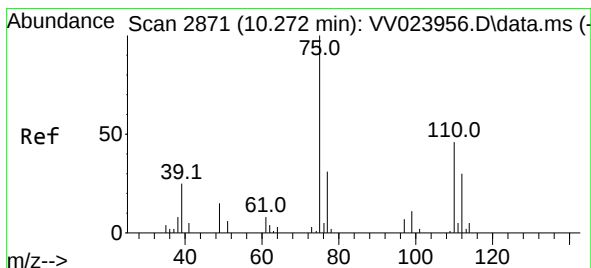
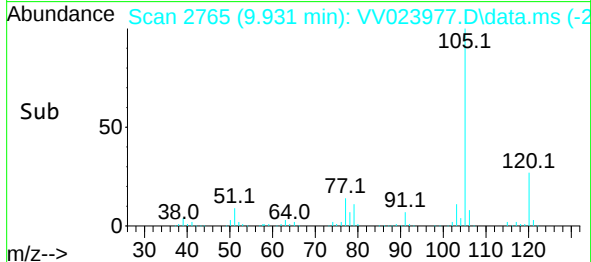
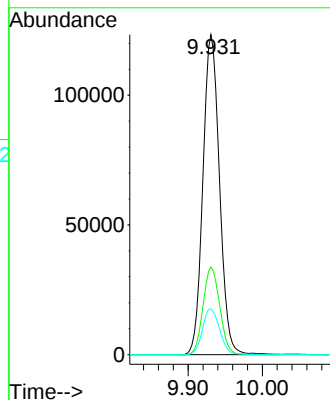
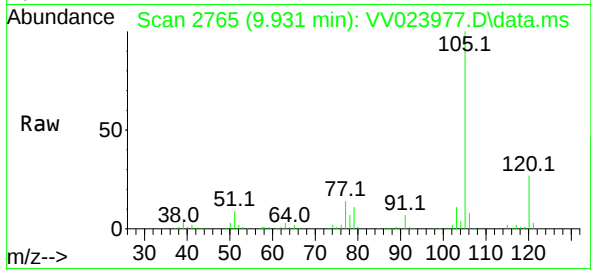




#60
Isopropylbenzene
Concen: 5.172 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV023977.D
Acq: 14 Dec 2021 18:36

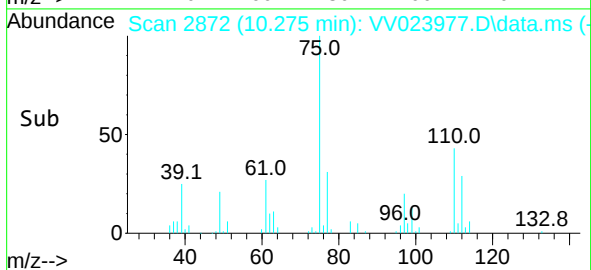
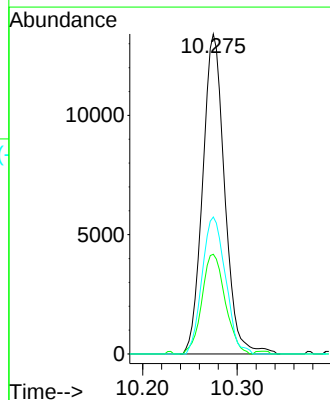
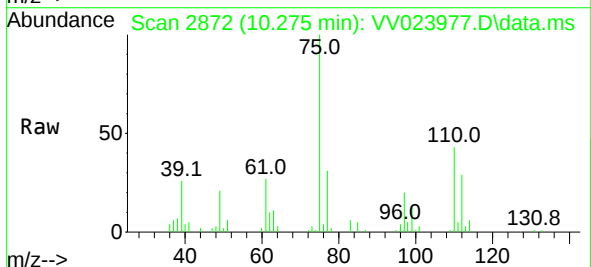
Instrument :
MSVOA_V
ClientSampleId :
VSTD005393

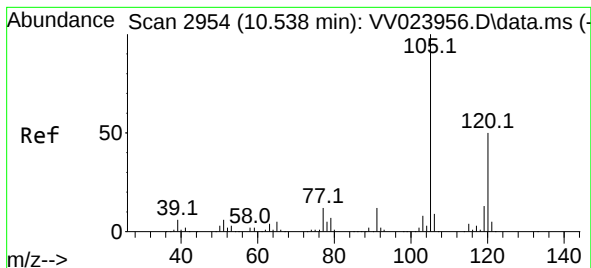
Tgt Ion:105 Resp: 191061
Ion Ratio Lower Upper
105 100
120 27.6 21.4 32.0
77 14.8 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 5.047 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.003 min
Lab File: VV023977.D
Acq: 14 Dec 2021 18:36

Tgt Ion: 75 Resp: 21631
Ion Ratio Lower Upper
75 100
77 33.1 26.4 39.6
110 45.6 34.2 51.2





#62

1,3,5-Trimethylbenzene

Concen: 5.037 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV023977.D

Acq: 14 Dec 2021 18:36

Instrument :

MSVOA_V

ClientSampleId :

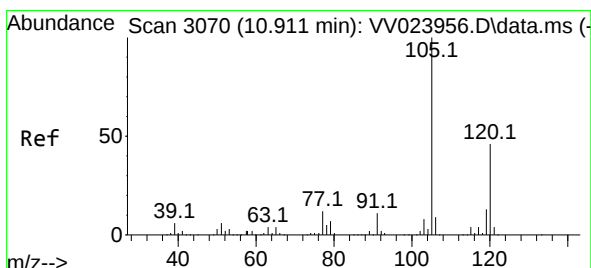
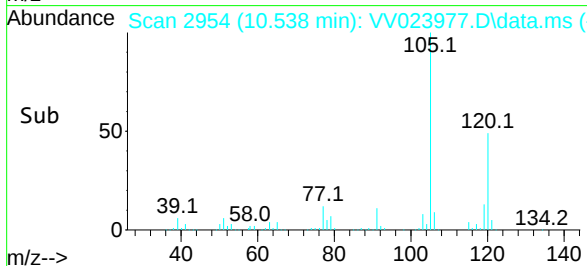
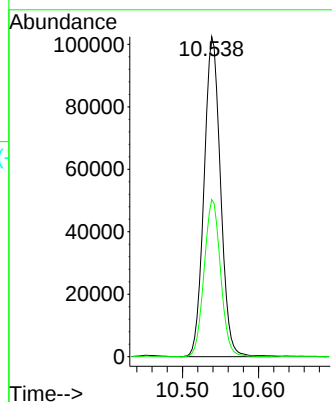
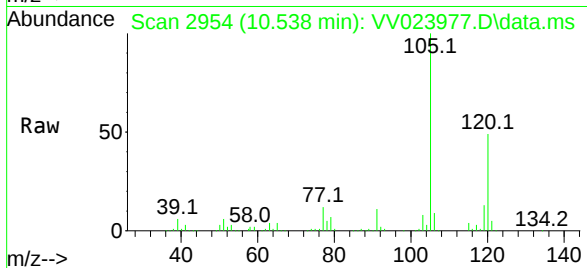
VSTD005393

Tgt Ion:105 Resp: 154353

Ion Ratio Lower Upper

105 100

120 49.0 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 5.074 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.000 min

Lab File: VV023977.D

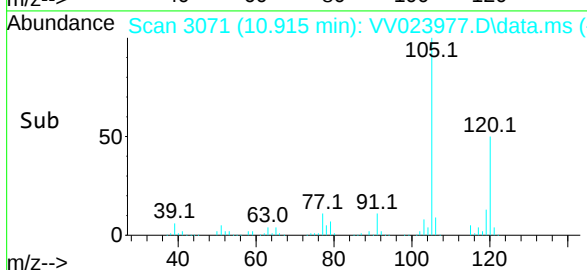
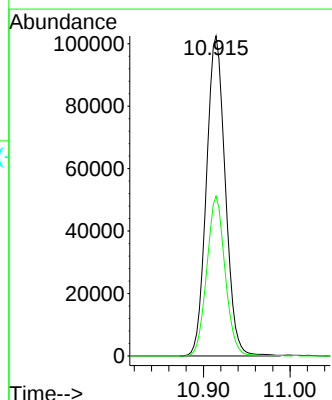
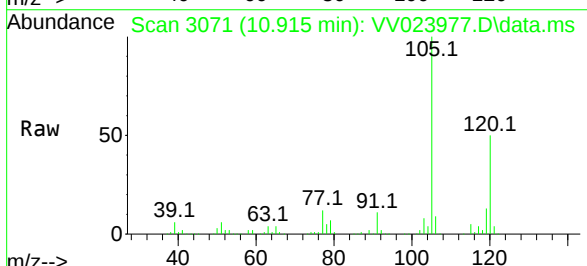
Acq: 14 Dec 2021 18:36

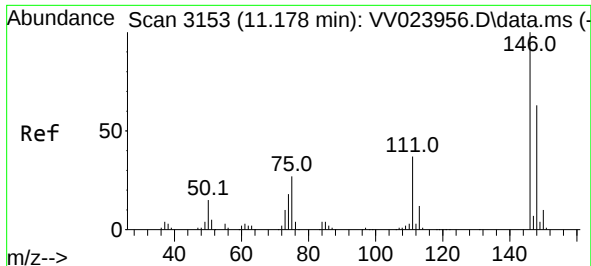
Tgt Ion:105 Resp: 154912

Ion Ratio Lower Upper

105 100

120 48.4 36.7 55.1

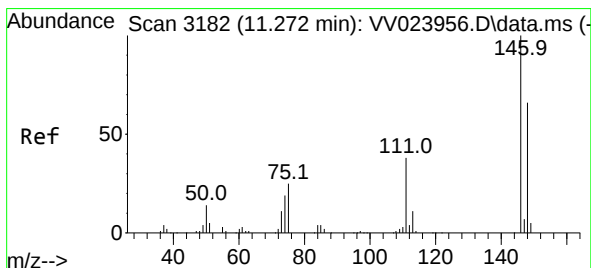
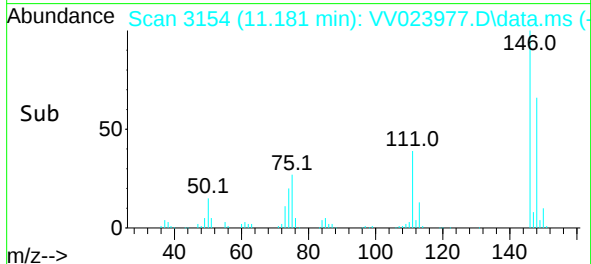
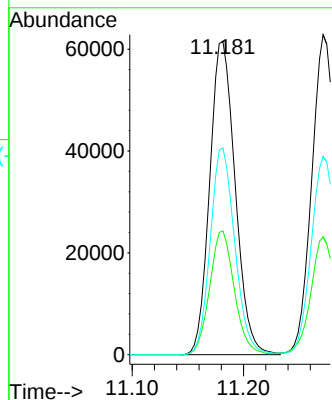
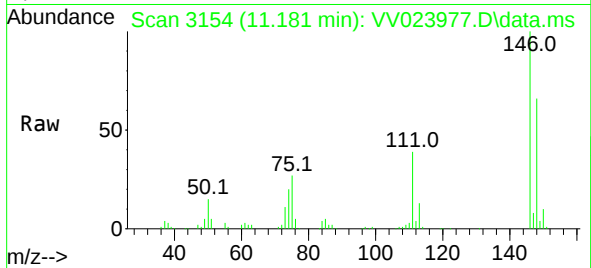




#64
1,3-Dichlorobenzene
Concen: 5.176 ug/L
RT: 11.181 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VV023977.D
Acq: 14 Dec 2021 18:36

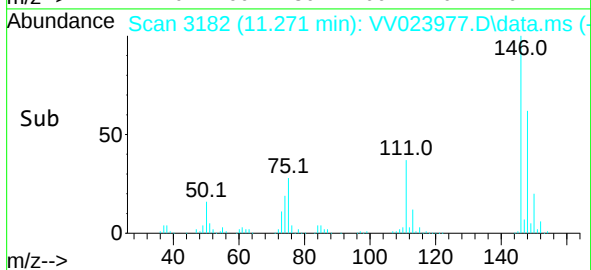
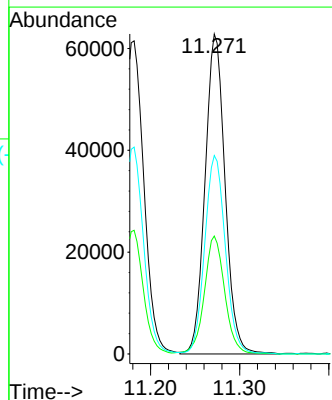
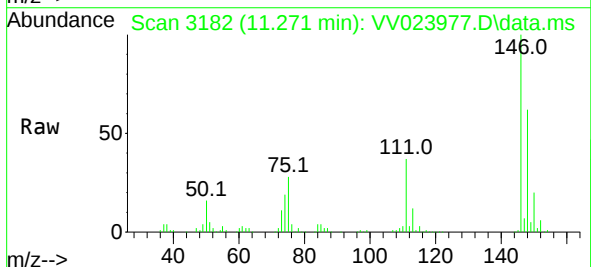
Instrument :
MSVOA_V
ClientSampleId :
VSTD005393

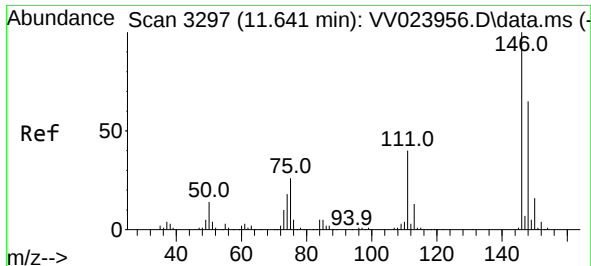
Tgt Ion:146 Resp: 97787
Ion Ratio Lower Upper
146 100
111 39.5 26.3 48.9
148 66.1 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 5.162 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV023977.D
Acq: 14 Dec 2021 18:36

Tgt Ion:146 Resp: 97961
Ion Ratio Lower Upper
146 100
111 36.9 25.6 47.6
148 62.0 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.198 ug/L

RT: 11.641 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV023977.D

Acq: 14 Dec 2021 18:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005393

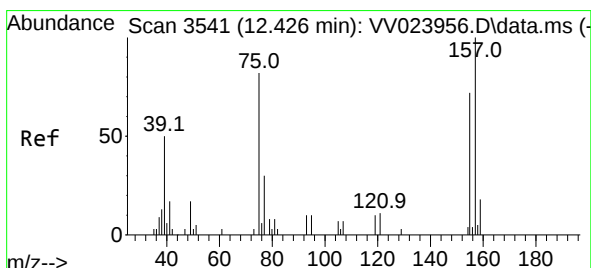
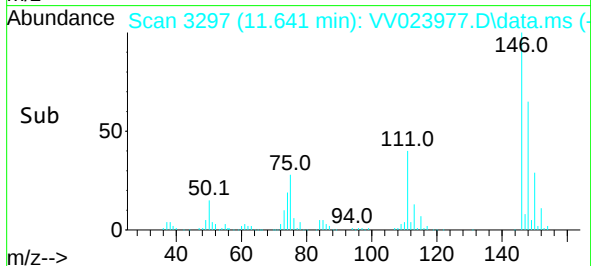
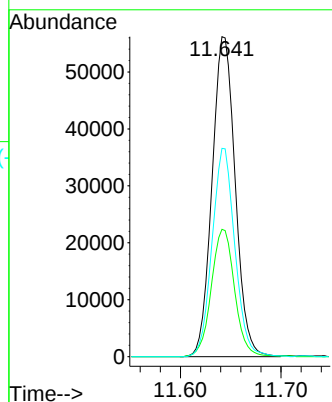
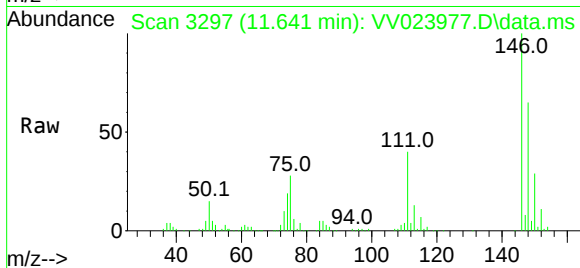
Tgt Ion:146 Resp: 89982

Ion Ratio Lower Upper

146 100

111 39.8 31.9 47.9

148 65.1 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.152 ug/L

RT: 12.429 min Scan# 3542

Delta R.T. -0.003 min

Lab File: VV023977.D

Acq: 14 Dec 2021 18:36

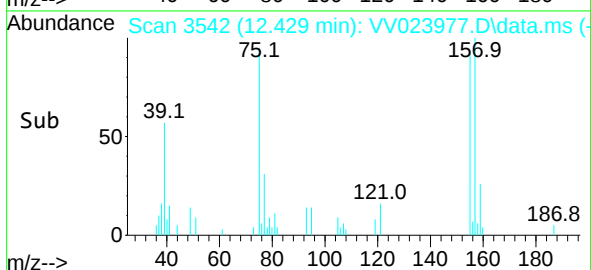
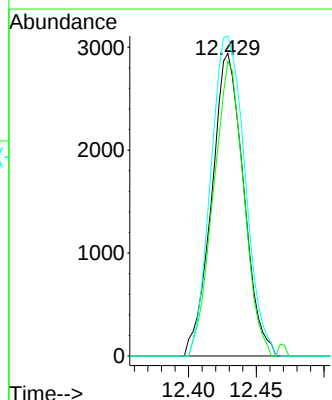
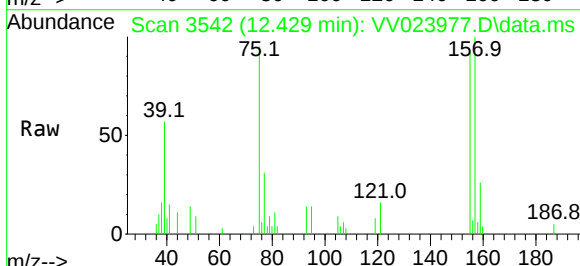
Tgt Ion: 75 Resp: 4823

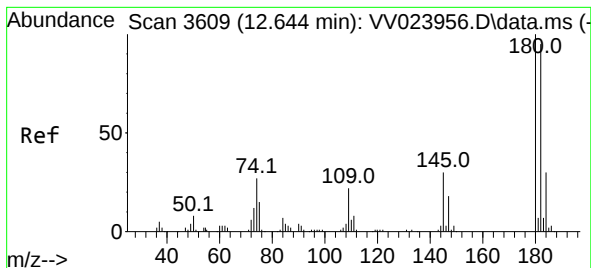
Ion Ratio Lower Upper

75 100

155 97.3 71.7 107.5

157 105.7 103.3 154.9





#69

1,3,5-Trichlorobenzene

Concen: 4.901 ug/L

RT: 12.644 min Scan# 3

Delta R.T. 0.000 min

Lab File: VV023977.D

Acq: 14 Dec 2021 18:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005393

Tgt Ion:180 Resp: 76163

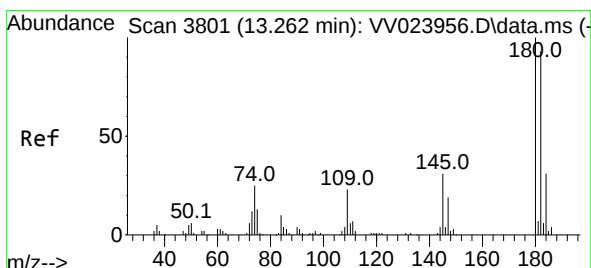
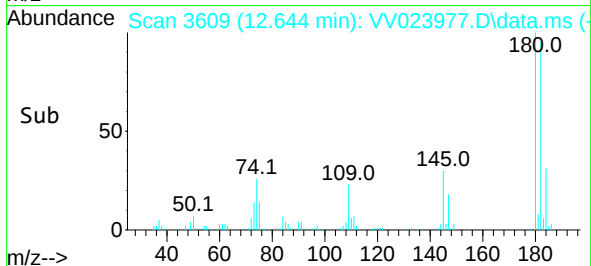
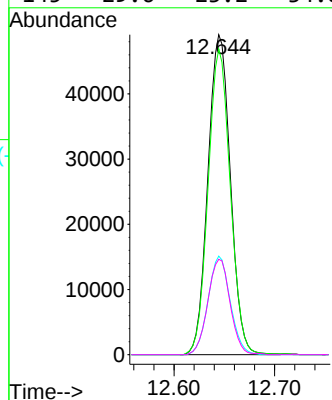
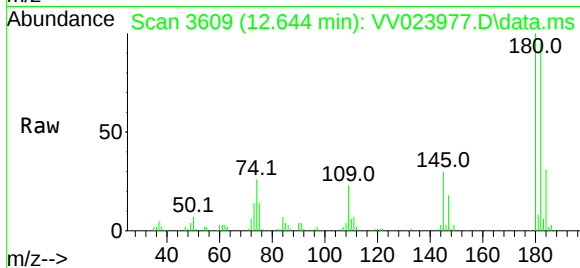
Ion Ratio Lower Upper

180 100

182 94.3 76.4 114.6

184 30.4 24.2 36.4

145 29.6 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 4.613 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. -0.003 min

Lab File: VV023977.D

Acq: 14 Dec 2021 18:36

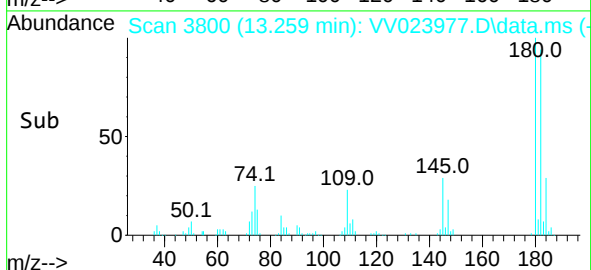
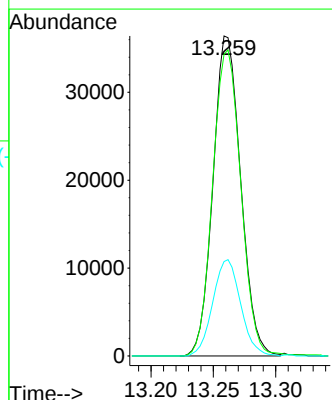
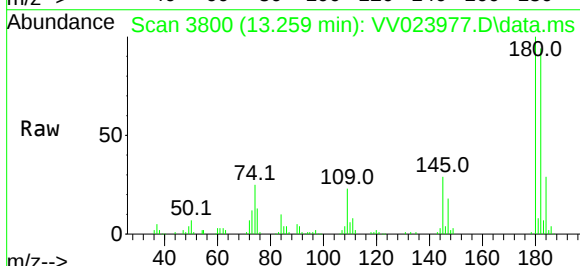
Tgt Ion:180 Resp: 56302

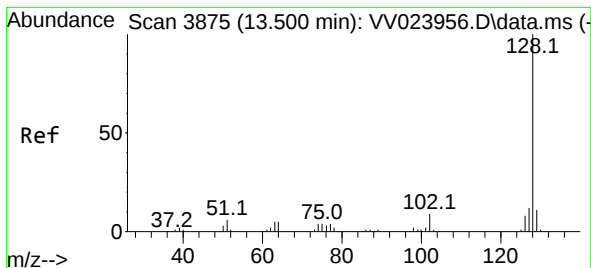
Ion Ratio Lower Upper

180 100

182 97.8 74.4 111.6

145 30.3 23.3 34.9





#71

Naphthalene

Concen: 4.628 ug/L

RT: 13.503 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV023977.D

Acq: 14 Dec 2021 18:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005393

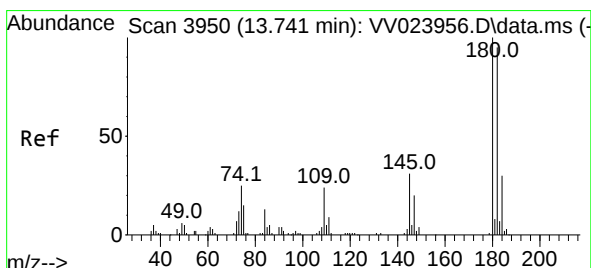
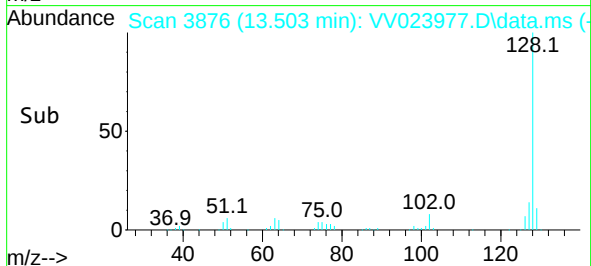
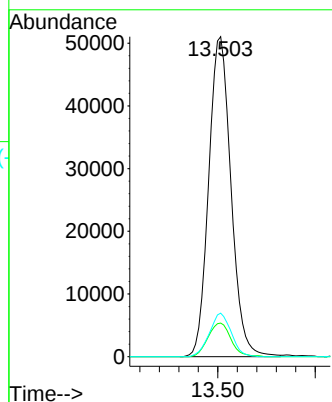
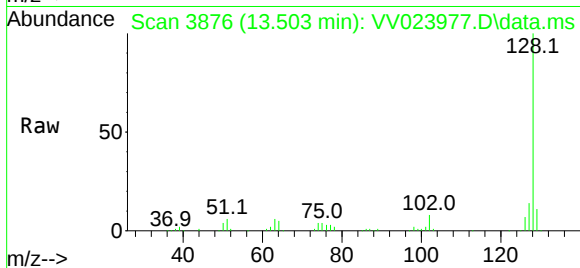
Tgt Ion:128 Resp: 81177

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

127 13.3 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 4.927 ug/L

RT: 13.744 min Scan# 3951

Delta R.T. 0.000 min

Lab File: VV023977.D

Acq: 14 Dec 2021 18:36

Tgt Ion:180 Resp: 53091

Ion Ratio Lower Upper

180 100

182 95.4 76.8 115.2

145 30.8 25.8 38.6

