

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121621\
 Data File : VV024028.D
 Acq On : 16 Dec 2021 21:13
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 17 02:04:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 16 04:44:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	105206	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	107169	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	64212	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	25153	4.447	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	89.000%	
7) Chloroethane-d5	1.568	69	21406	4.536	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	90.800%	
11) 1,1-Dichloroethene-d2	2.108	63	56318	5.101	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	102.000%	
20) 2-Butanone-d5	3.902	46	49923	45.180	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	90.360%	
24) Chloroform-d	4.349	84	60318	4.708	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	94.200%	
26) 1,2-Dichloroethane-d4	5.034	65	28657	4.804	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.000%	
32) Benzene-d6	5.050	84	109434	5.156	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	103.200%	
36) 1,2-Dichloropropane-d6	6.072	67	30981	4.838	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	96.800%	
41) Toluene-d8	7.317	98	109882	5.750	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	115.000%	
43) trans-1,3-Dichloroprop...	7.625	79	12624	4.752	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	95.000%	
46) 2-Hexanone-d5	8.092	63	53438	44.932	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	89.860%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	23980	4.514	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	90.200%	
66) 1,2-Dichlorobenzene-d4	11.625	152	41997	4.896	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	98.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	43301	4.729	ug/L	98
3) Chloromethane	1.240	50	37087	4.740	ug/L	97
5) Vinyl chloride	1.307	62	41014	4.833	ug/L	99
6) Bromomethane	1.519	94	26690	4.950	ug/L	100
8) Chloroethane	1.584	64	26151	4.736	ug/L	98
9) Trichlorofluoromethane	1.751	101	76073	5.159	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	39004	5.022	ug/L	99
12) 1,1-Dichloroethene	2.118	96	35717	5.060	ug/L	93
13) Acetone	2.195	43	51067	57.767	ug/L	79
14) Carbon disulfide	2.291	76	92613	4.523	ug/L	99
15) Methyl Acetate	2.439	43	13357	6.234	ug/L	99
16) Methylene chloride	2.507	84	43119	4.669	ug/L	99
17) Methyl tert-butyl Ether	2.770	73	89326	5.596	ug/L	100
18) trans-1,2-Dichloroethene	2.761	96	38094	4.875	ug/L	95
19) 1,1-Dichloroethane	3.188	63	70701	5.042	ug/L	99
21) 2-Butanone	3.986	43	70994	56.207	ug/L	95
22) cis-1,2-Dichloroethene	3.908	96	43573	5.268	ug/L	100
23) Bromochloromethane	4.249	128	20791	5.532	ug/L	96
25) Chloroform	4.378	83	80663	5.174	ug/L	98

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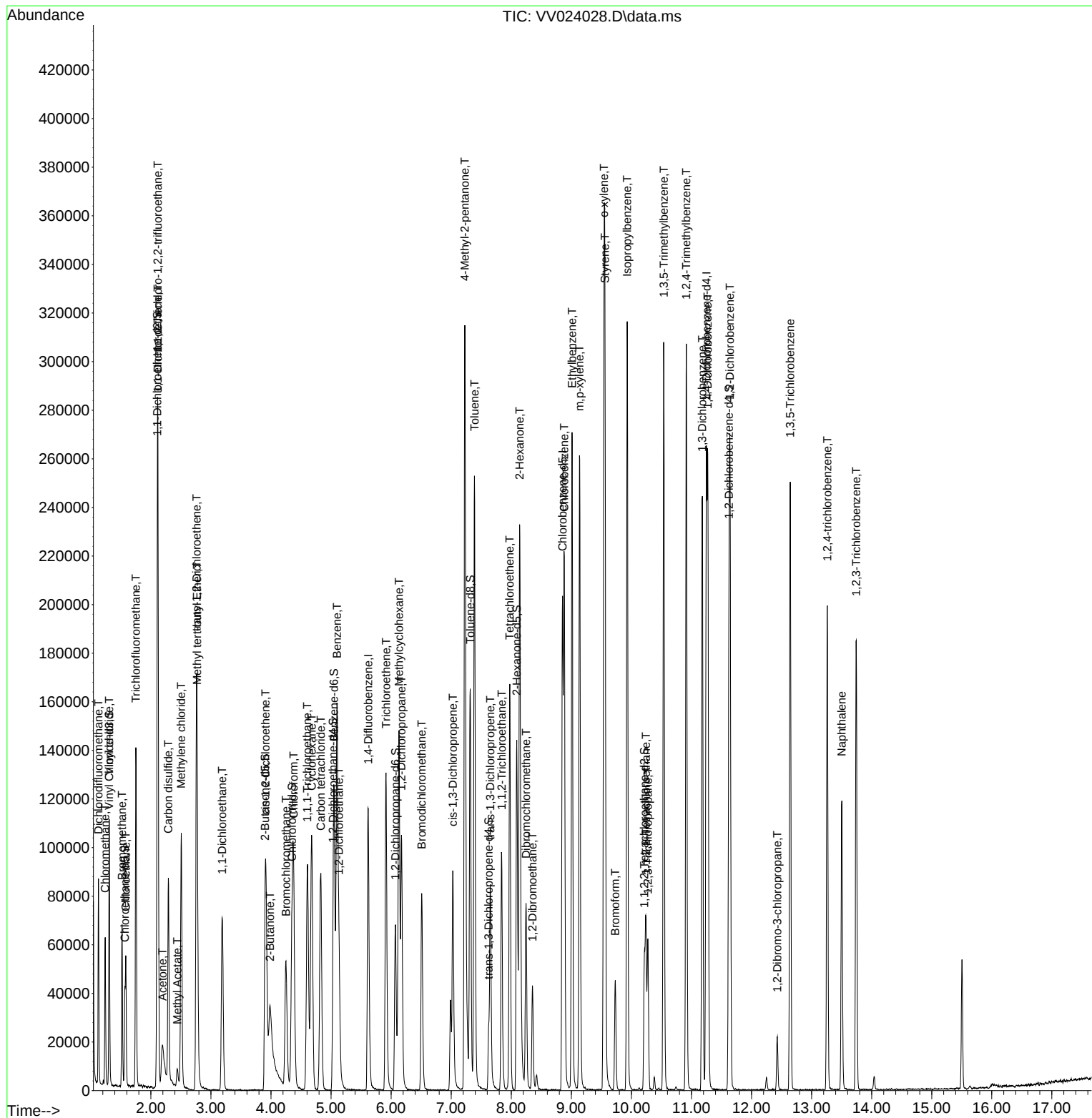
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	46699	5.529	ug/L	100
29) 1,1,1-Trichloroethane	4.606	97	76675	5.469	ug/L	98
30) Cyclohexane	4.677	56	53282	4.791	ug/L	98
31) Carbon tetrachloride	4.828	117	68433	5.192	ug/L	99
33) Benzene	5.098	78	157549	5.197	ug/L	100
34) Trichloroethene	5.915	95	43136	5.044	ug/L	98
35) Methylcyclohexane	6.130	83	59211	4.705	ug/L	98
37) 1,2-Dichloropropane	6.172	63	38674	5.367	ug/L	99
38) Bromodichloromethane	6.510	83	53700	5.261	ug/L	97
39) cis-1,3-Dichloropropene	7.027	75	49697	4.646	ug/L	98
40) 4-Methyl-2-pentanone	7.227	43	215316	62.204	ug/L	98
42) Toluene	7.387	91	181493	5.319	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	46869	5.069	ug/L	96
45) 1,1,2-Trichloroethane	7.841	97	30009	5.629	ug/L	97
47) Tetrachloroethene	7.976	164	38013	5.049	ug/L	99
48) 2-Hexanone	8.140	43	152481	60.752	ug/L	99
49) Dibromochloromethane	8.246	129	38660	5.330	ug/L	97
50) 1,2-Dibromoethane	8.352	107	27094	5.474	ug/L	97
51) Chlorobenzene	8.883	112	117803	5.166	ug/L	97
52) Ethylbenzene	9.011	91	187384	5.205	ug/L	99
53) m,p-xylene	9.137	106	74643	5.243	ug/L	98
54) o-xylene	9.545	106	72703	5.280	ug/L	95
55) Styrene	9.561	104	126087	5.501	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.243	83	31374	5.374	ug/L #	96
59) Bromoform	9.731	173	21007	5.097	ug/L	99
60) Isopropylbenzene	9.931	105	197916	5.250	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	22778	5.207	ug/L	95
62) 1,3,5-Trimethylbenzene	10.538	105	162974	5.211	ug/L	98
63) 1,2,4-Trimethylbenzene	10.915	105	163569	5.250	ug/L	99
64) 1,3-Dichlorobenzene	11.181	146	100473	5.211	ug/L	98
65) 1,4-Dichlorobenzene	11.271	146	99363	5.131	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	93747	5.307	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.429	75	5042	5.277	ug/L	93
69) 1,3,5-Trichlorobenzene	12.644	180	77701	4.900	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	62244	4.997	ug/L	99
71) Naphthalene	13.503	128	94230	5.264	ug/L	98
72) 1,2,3-Trichlorobenzene	13.744	180	56821	5.167	ug/L	99

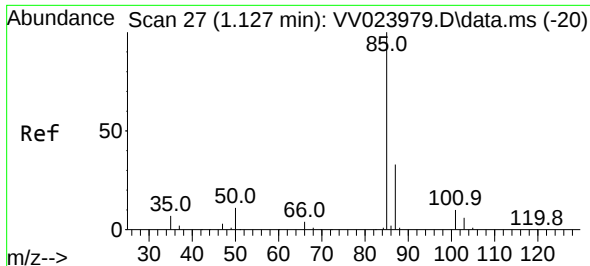
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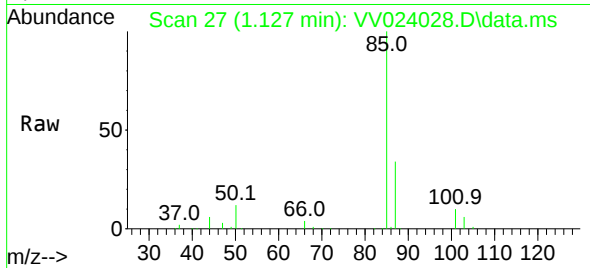
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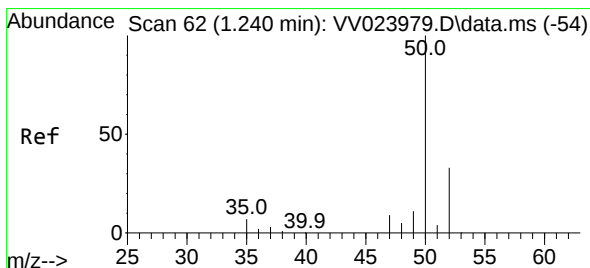
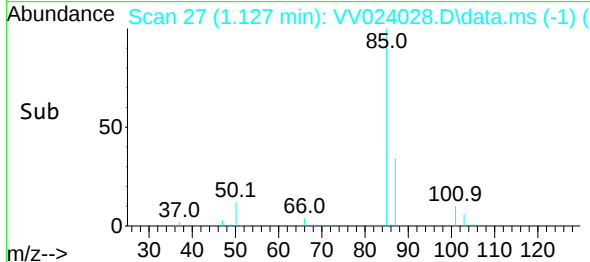
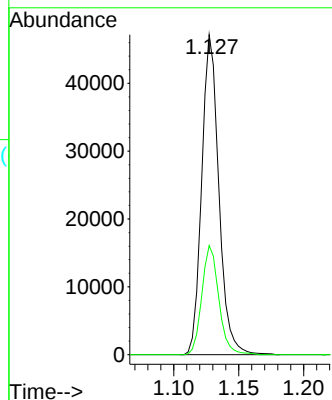


#2
 Dichlorodifluoromethane
 Concen: 4.729 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV024028.D
 Acq: 16 Dec 2021 21:13

Instrument :
 MSVOA_V
 ClientSampleId :

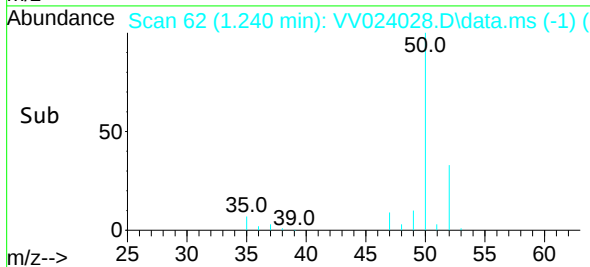
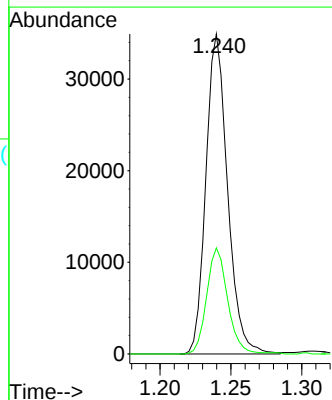
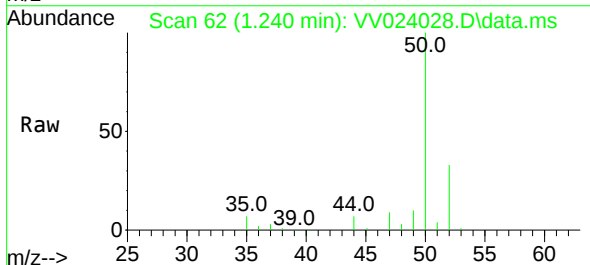


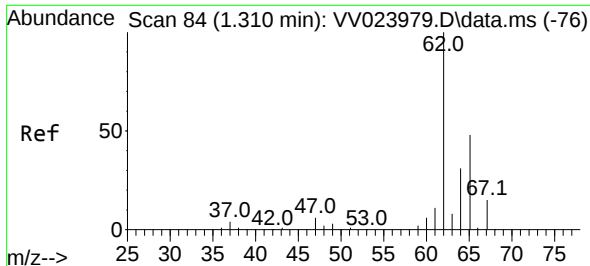
Tgt Ion: 85 Resp: 43301
 Ion Ratio Lower Upper
 85 100
 87 33.7 26.0 39.0



#3
 Chloromethane
 Concen: 4.740 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV024028.D
 Acq: 16 Dec 2021 21:13

Tgt Ion: 50 Resp: 37087
 Ion Ratio Lower Upper
 50 100
 52 33.2 22.0 41.0

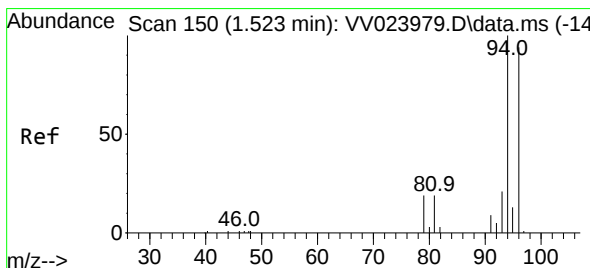
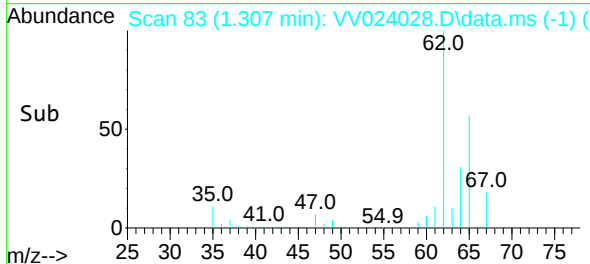
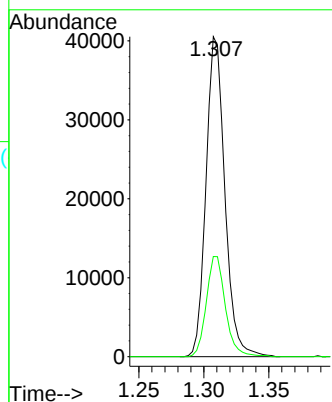
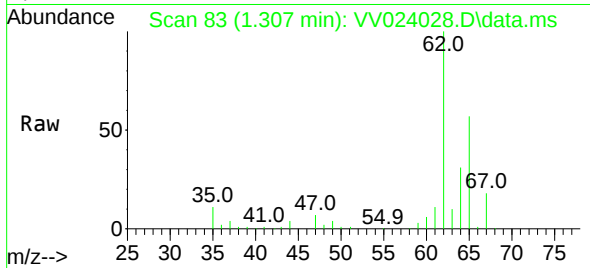




#5
 Vinyl chloride
 Concen: 4.833 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VV024028.D
 Acq: 16 Dec 2021 21:13

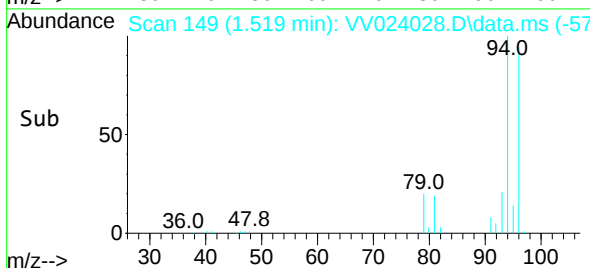
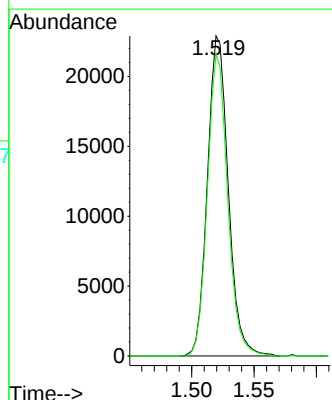
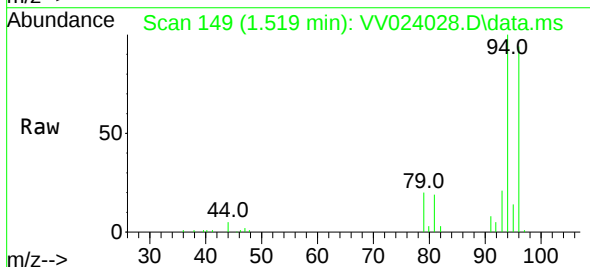
Instrument :
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 ClientSampleId :

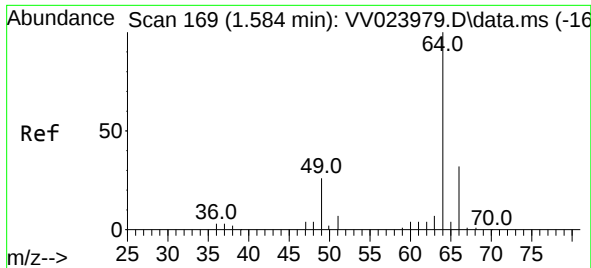
Tgt Ion: 62 Resp: 41014
 Ion Ratio Lower Upper
 62 100
 64 31.3 22.4 41.6



#6
 Bromomethane
 Concen: 4.950 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.003 min
 Lab File: VV024028.D
 Acq: 16 Dec 2021 21:13

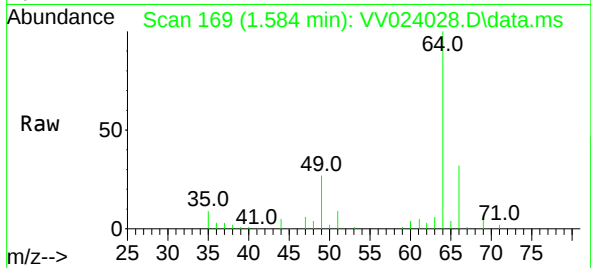
Tgt Ion: 94 Resp: 26690
 Ion Ratio Lower Upper
 94 100
 96 94.3 66.2 123.0



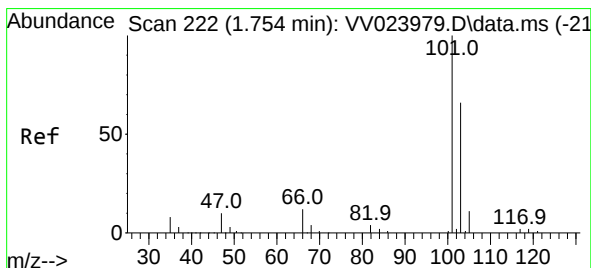
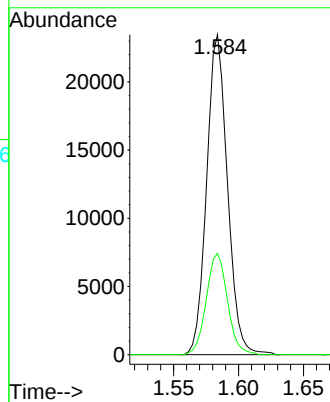
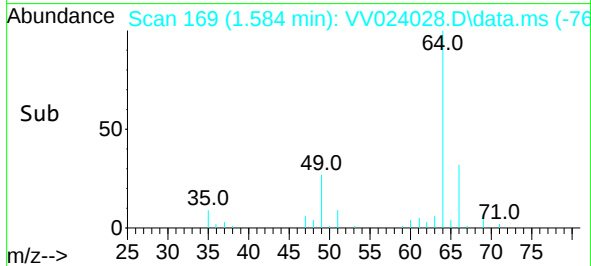


#8
Chloroethane
Concen: 4.736 ug/L
RT: 1.584 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

Instrument :
MSVOA_V
ClientSampleId :

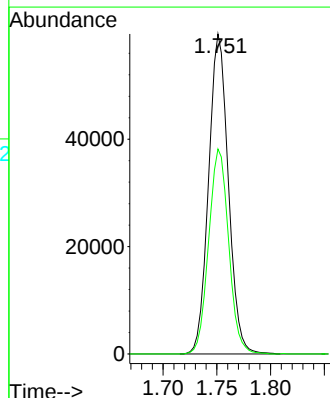
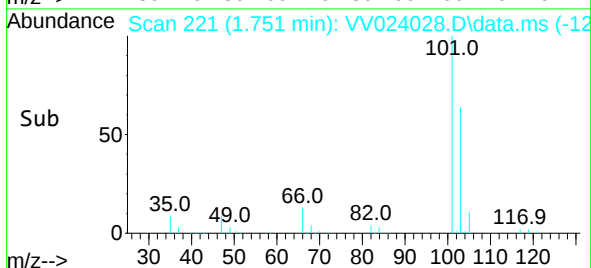
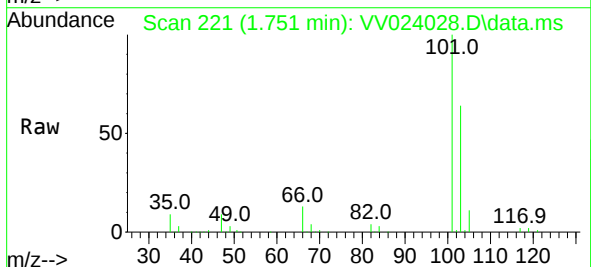


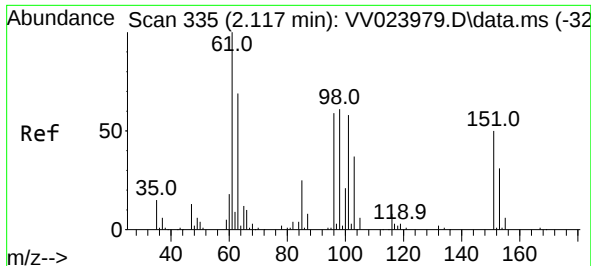
Tgt Ion: 64 Resp: 26151
Ion Ratio Lower Upper
64 100
66 31.7 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.159 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.003 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

Tgt Ion:101 Resp: 76073
Ion Ratio Lower Upper
101 100
103 64.9 51.6 77.4





#10

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

Concen: 5.022 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV024028.D

Acq: 16 Dec 2021 21:13

Instrument :

MSVOA_V

ClientSampleId :

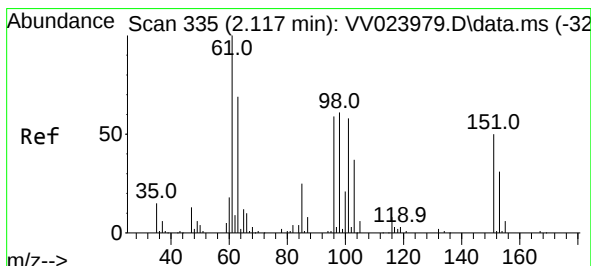
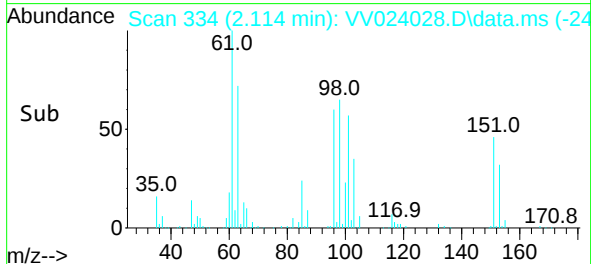
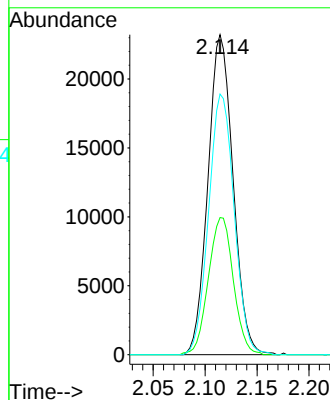
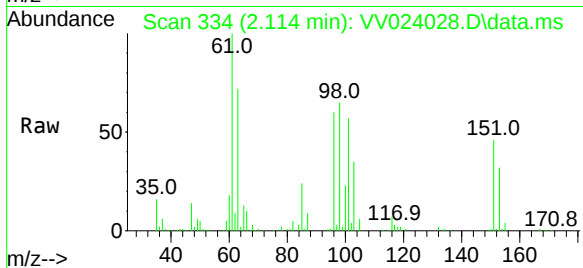
Tgt Ion:101 Resp: 39004

Ion Ratio Lower Upper

101 100

85 42.6 36.0 54.0

151 83.0 66.4 99.6



#12

1,1-Dichloroethene

Concen: 5.060 ug/L

RT: 2.118 min Scan# 335

Delta R.T. 0.000 min

Lab File: VV024028.D

Acq: 16 Dec 2021 21:13

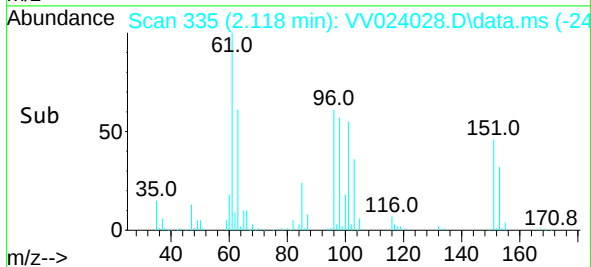
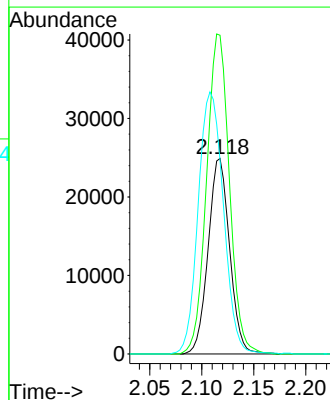
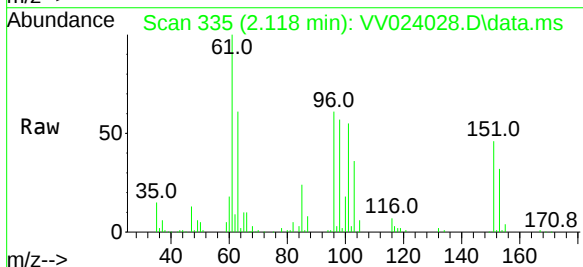
Tgt Ion: 96 Resp: 35717

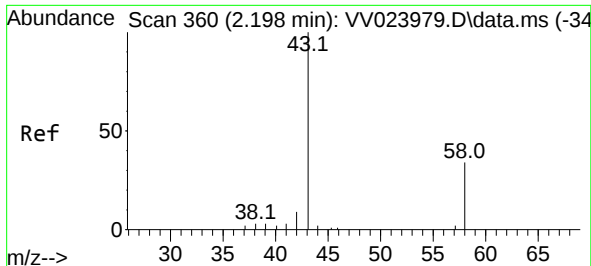
Ion Ratio Lower Upper

96 100

61 163.1 116.1 215.5

63 99.0 79.4 147.4





#13

Acetone

Concen: 57.767 ug/L

RT: 2.195 min Scan# 31

Delta R.T. -0.003 min

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Acq: 16 Dec 2021 21:13

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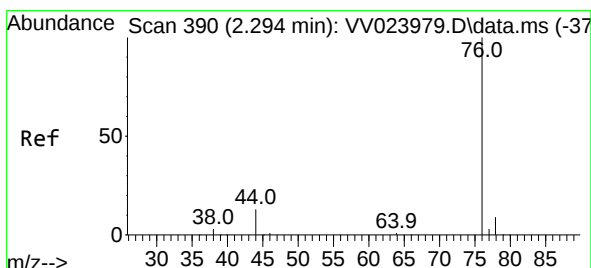
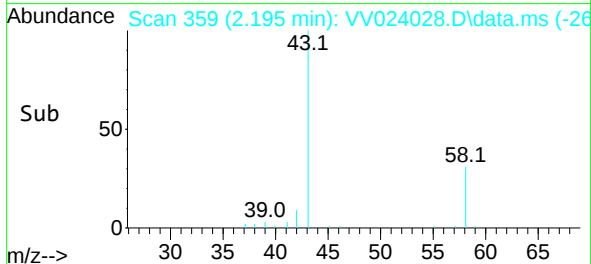
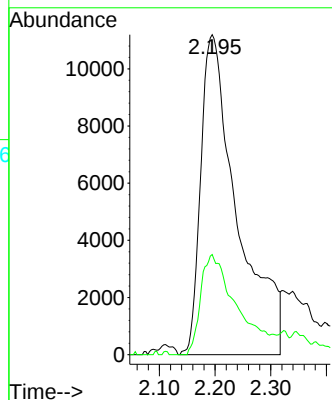
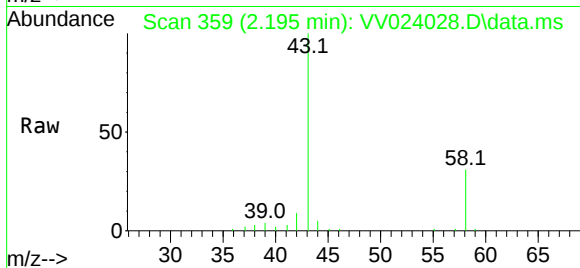
ClientSampleId :

Tgt Ion: 43 Resp: 51067

Ion Ratio Lower Upper

43 100

58 30.6 0.0 41.4



#14

Carbon disulfide

Concen: 4.523 ug/L

RT: 2.291 min Scan# 389

Delta R.T. -0.003 min

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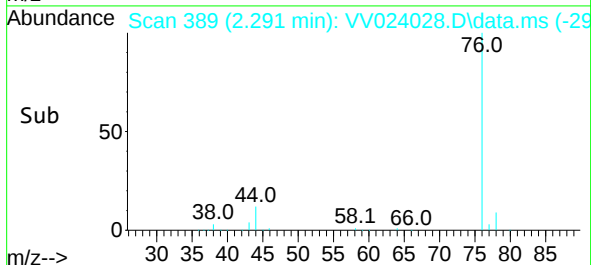
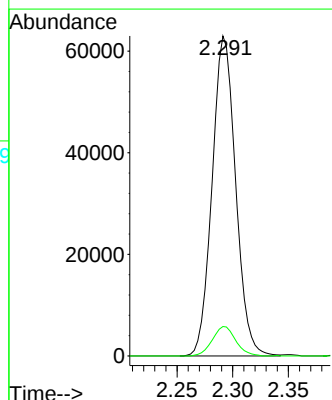
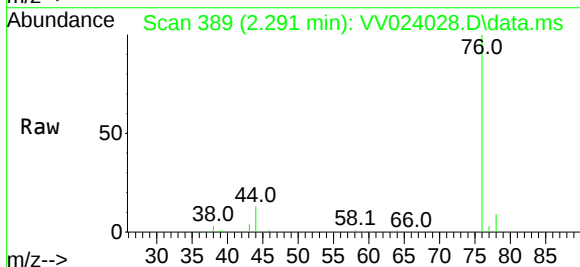
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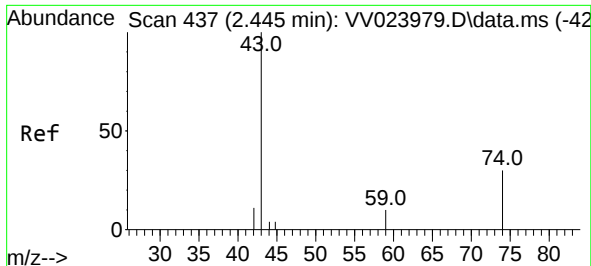
Tgt Ion: 76 Resp: 92613

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

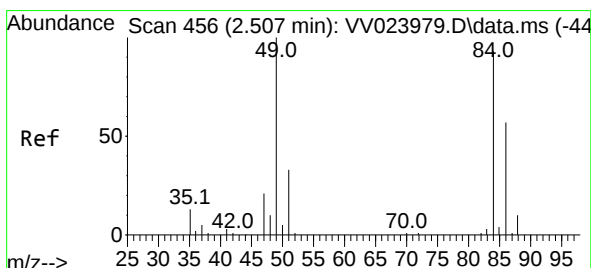
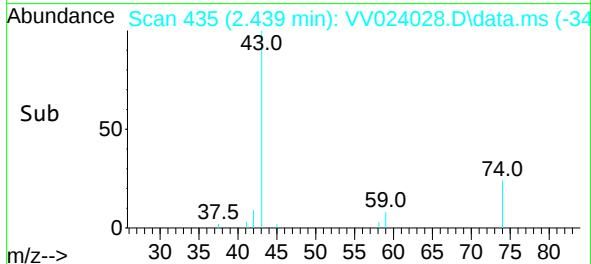
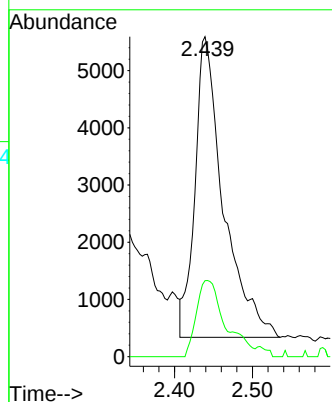
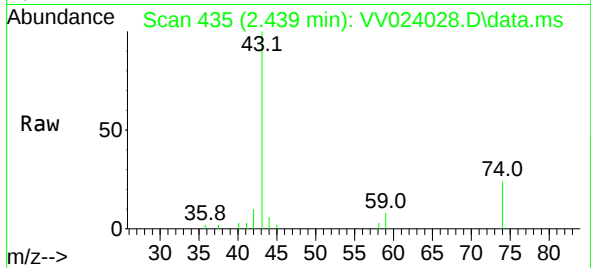




#15
Methyl Acetate
Concen: 6.234 ug/L
RT: 2.439 min Scan# 41
Delta R.T. -0.006 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

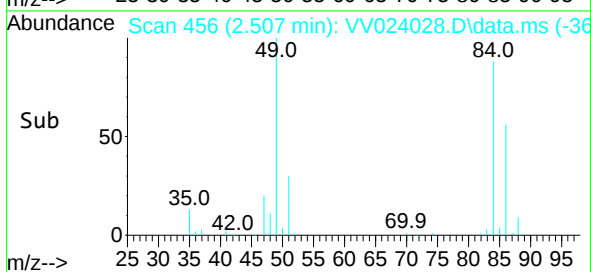
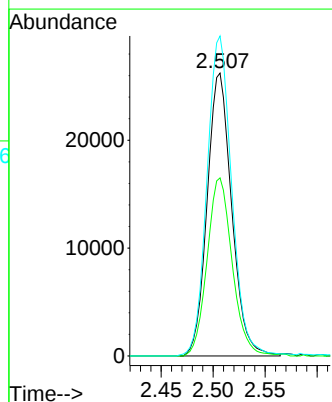
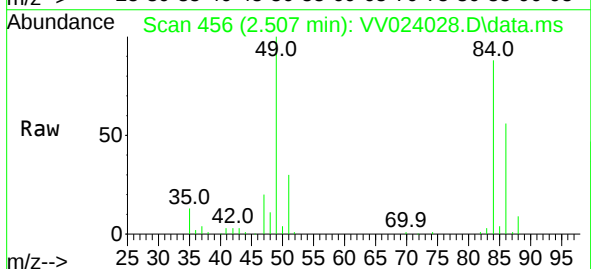
Instrument :
MSVOA_V
ClientSampleId :

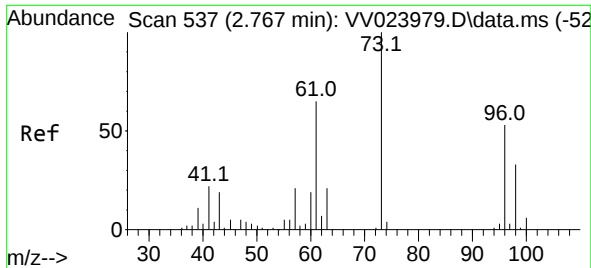
Tgt Ion: 43 Resp: 13357
Ion Ratio Lower Upper
43 100
74 25.7 20.2 30.2



#16
Methylene chloride
Concen: 4.669 ug/L
RT: 2.507 min Scan# 456
Delta R.T. 0.000 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

Tgt Ion: 84 Resp: 43119
Ion Ratio Lower Upper
84 100
86 63.0 42.6 79.0
49 113.1 79.7 147.9

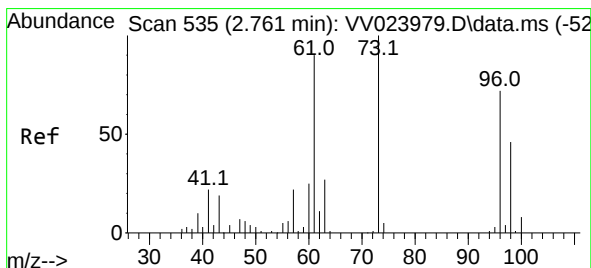
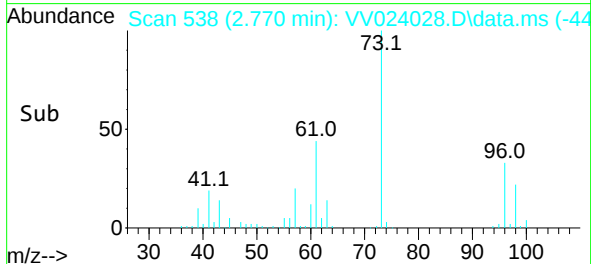
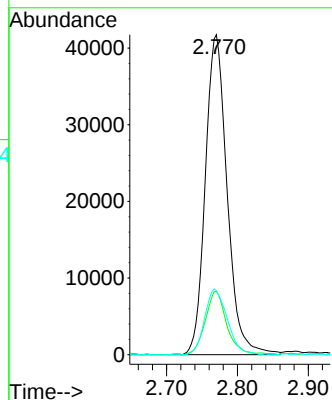
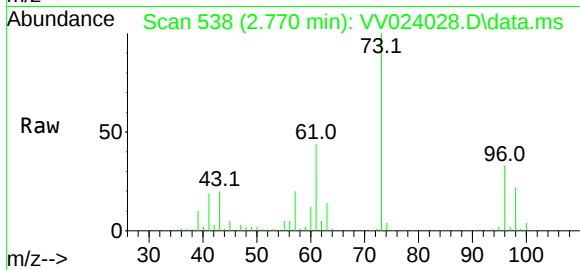




#17
Methyl tert-butyl Ether
Concen: 5.596 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

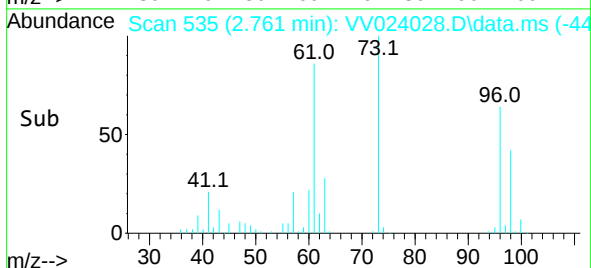
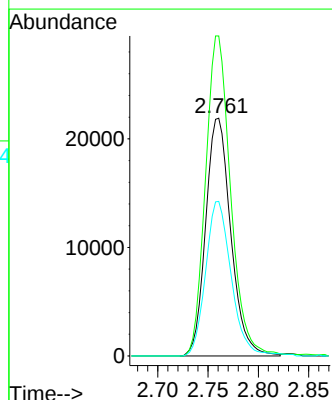
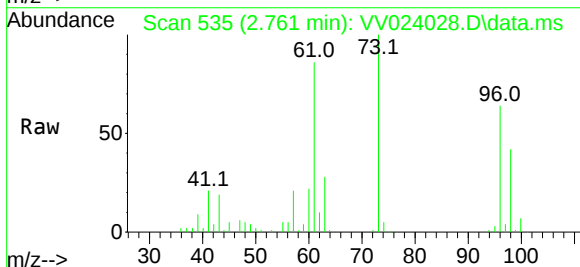
Instrument :
MSVOA_V
ClientSampleId :

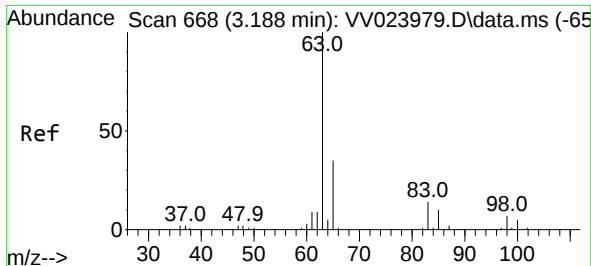
Tgt Ion: 73 Resp: 89326
Ion Ratio Lower Upper
73 100
43 19.3 15.5 23.3
57 21.2 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 4.875 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.000 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

Tgt Ion: 96 Resp: 38094
Ion Ratio Lower Upper
96 100
61 134.6 88.2 163.8
98 65.0 44.9 83.5

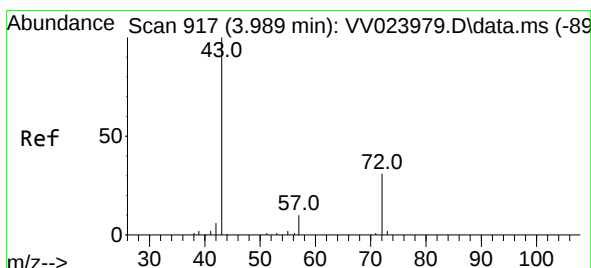
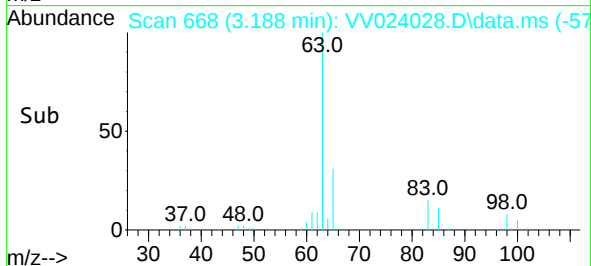
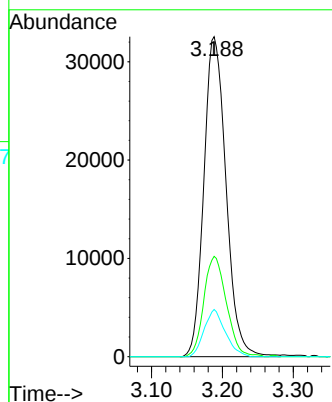
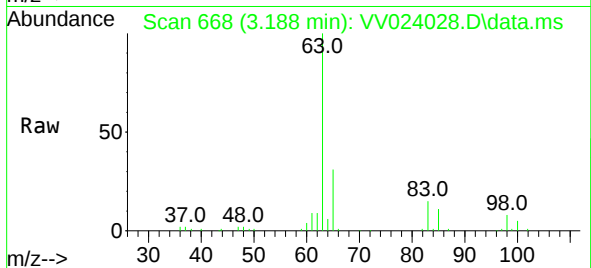




#19
1,1-Dichloroethane
Concen: 5.042 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.000 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

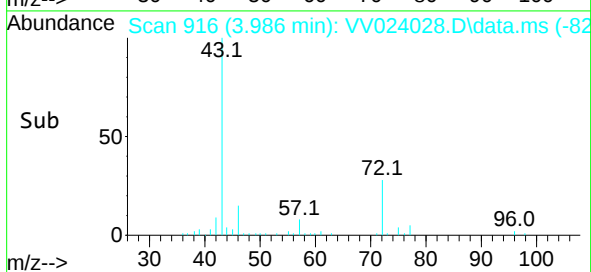
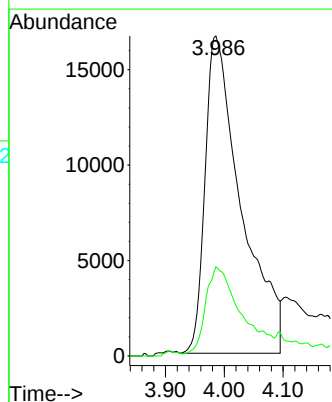
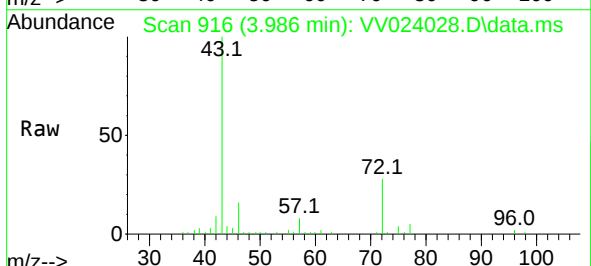
Instrument :
MSVOA_V
ClientSampleId :

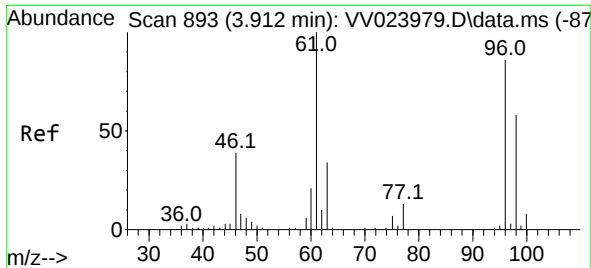
Tgt Ion: 63 Resp: 70701
Ion Ratio Lower Upper
63 100
65 31.3 22.3 41.3
83 14.7 10.7 19.9



#21
2-Butanone
Concen: 56.207 ug/L
RT: 3.986 min Scan# 916
Delta R.T. -0.003 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

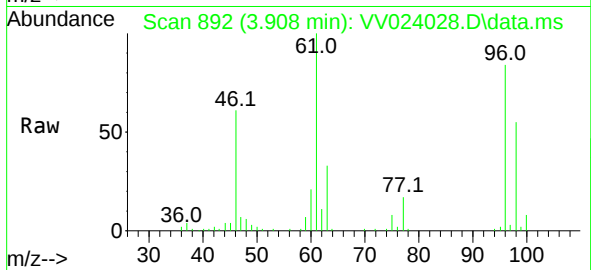
Tgt Ion: 43 Resp: 70994
Ion Ratio Lower Upper
43 100
72 24.5 11.1 33.1





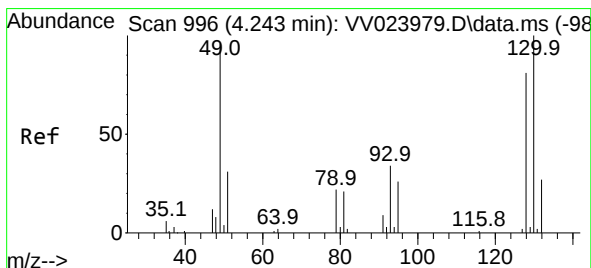
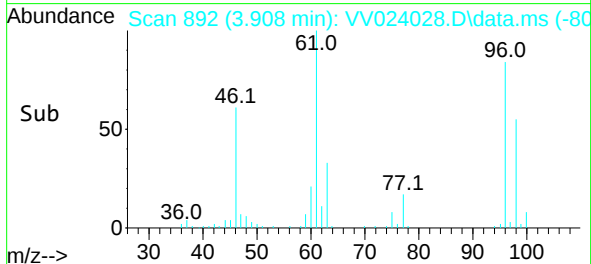
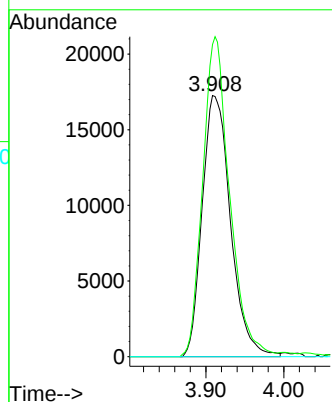
#22
 cis-1,2-Dichloroethene
 Concen: 5.268 ug/L
 RT: 3.908 min Scan# 893
 Delta R.T. -0.003 min
 Lab File: VV024028.D
 Acq: 16 Dec 2021 21:13

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 43573

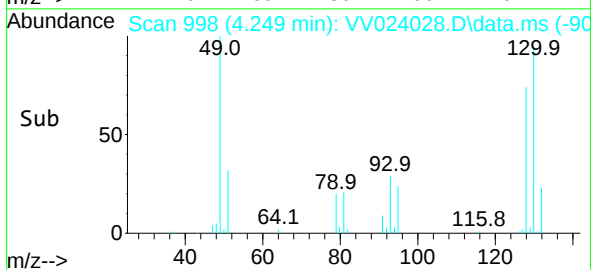
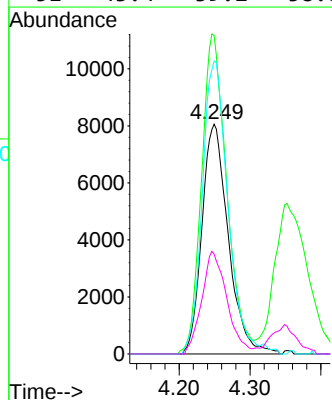
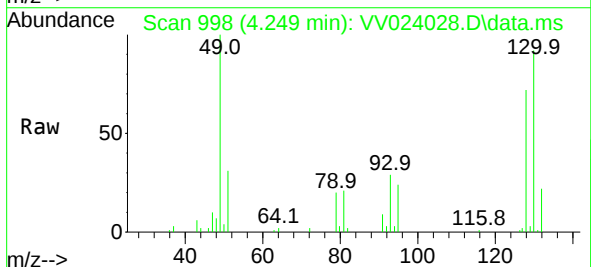
Ion	Ratio	Lower	Upper
96	100		
61	119.5	83.4	154.8
68	0.0	0.0	0.0

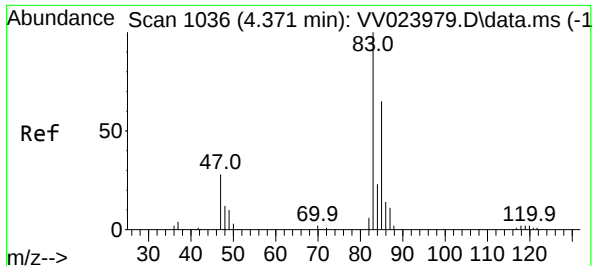


#23
 Bromochloromethane
 Concen: 5.532 ug/L
 RT: 4.249 min Scan# 998
 Delta R.T. 0.006 min
 Lab File: VV024028.D
 Acq: 16 Dec 2021 21:13

Tgt Ion: 128 Resp: 20791

Ion	Ratio	Lower	Upper
128	100		
49	138.6	100.2	186.2
130	127.5	92.5	171.7
51	43.4	39.2	58.8





#25

Chloroform

Concen: 5.174 ug/L

RT: 4.378 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VV024028.D

Acq: 16 Dec 2021 21:13

Instrument :

MSVOA_V

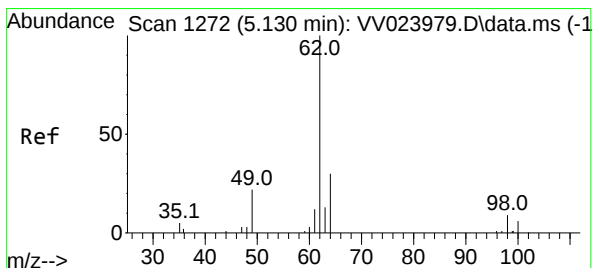
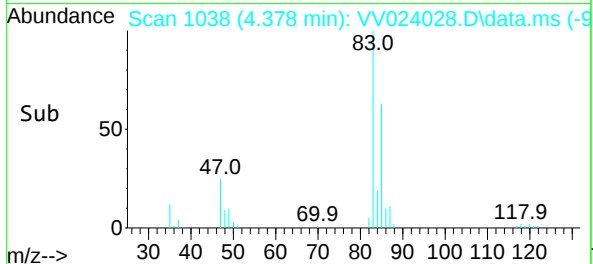
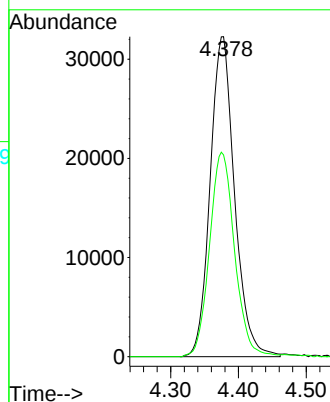
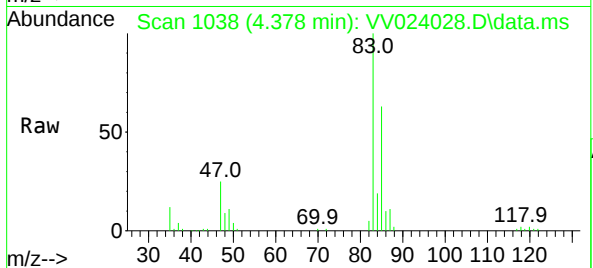
ClientSampleId :

Tgt Ion: 83 Resp: 80663

Ion Ratio Lower Upper

83 100

85 63.0 45.2 84.0



#27

1,2-Dichloroethane

Concen: 5.529 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VV024028.D

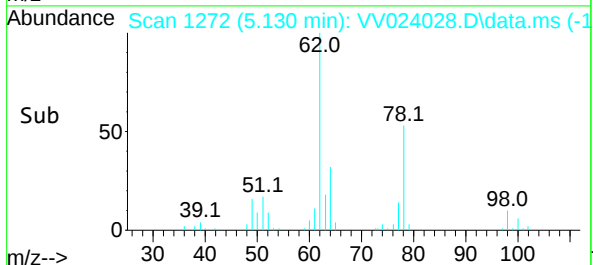
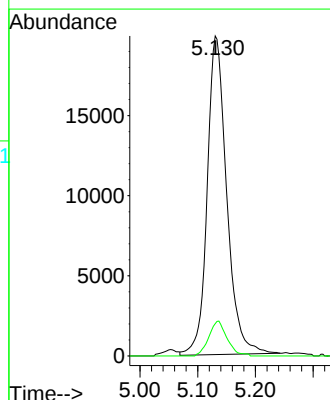
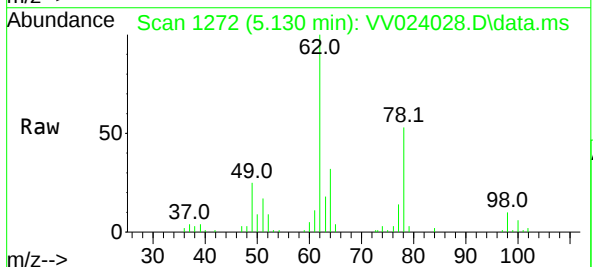
Acq: 16 Dec 2021 21:13

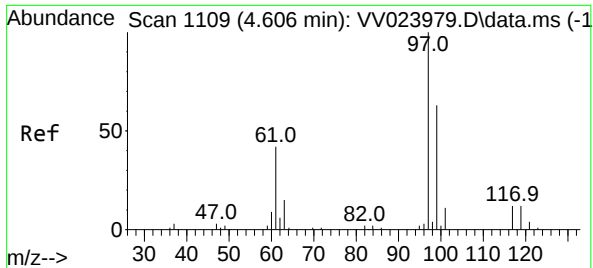
Tgt Ion: 62 Resp: 46699

Ion Ratio Lower Upper

62 100

98 10.1 8.1 12.1





#29

1,1,1-Trichloroethane

Concen: 5.469 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.000 min

Lab File: VV024028.D

Acq: 16 Dec 2021 21:13

Instrument :

MSVOA_V

ClientSampleId :

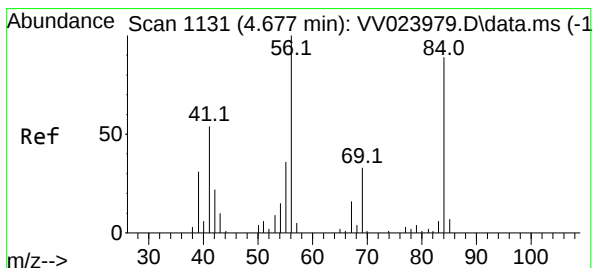
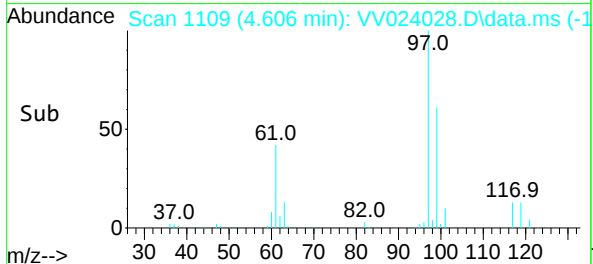
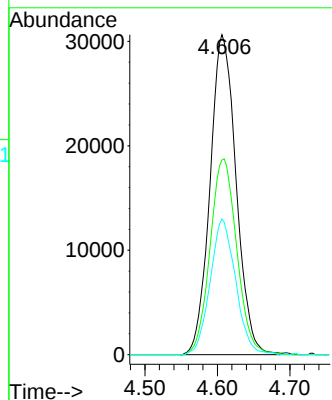
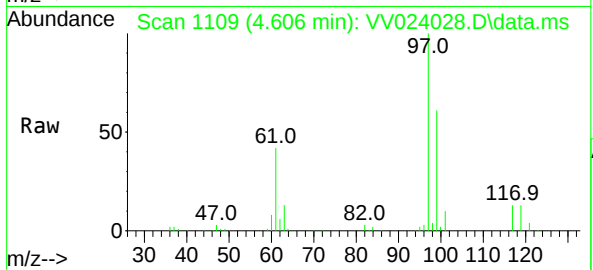
Tgt Ion: 97 Resp: 76675

Ion Ratio Lower Upper

97 100

99 62.6 51.9 77.9

61 41.4 33.2 49.8



#30

Cyclohexane

Concen: 4.791 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VV024028.D

Acq: 16 Dec 2021 21:13

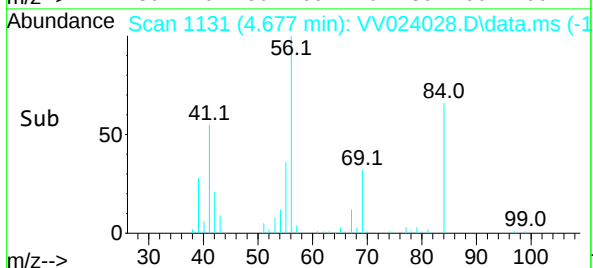
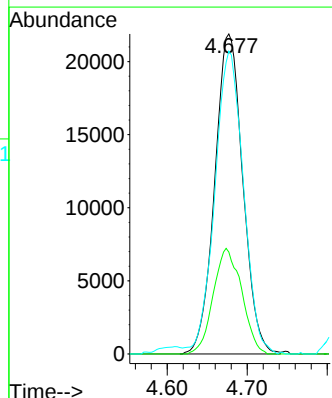
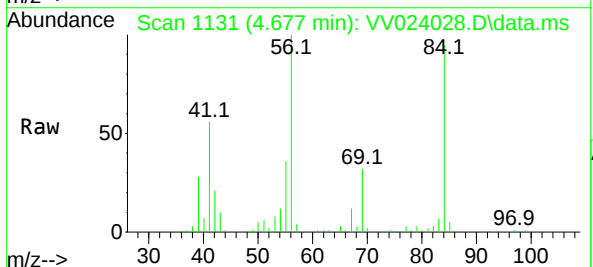
Tgt Ion: 56 Resp: 53282

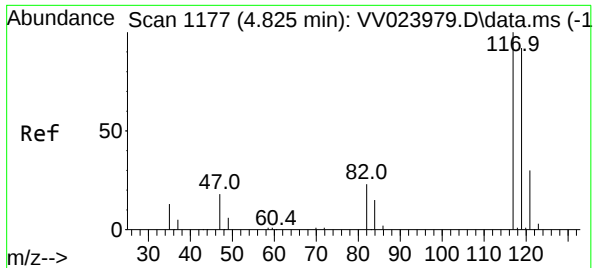
Ion Ratio Lower Upper

56 100

69 33.5 24.8 37.2

84 96.6 75.9 113.9

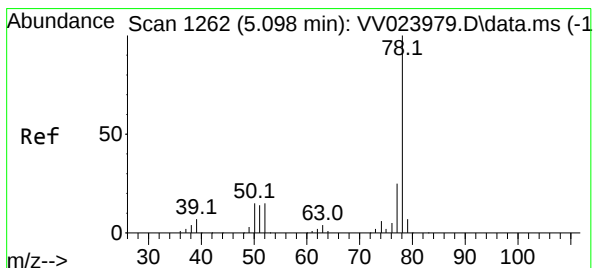
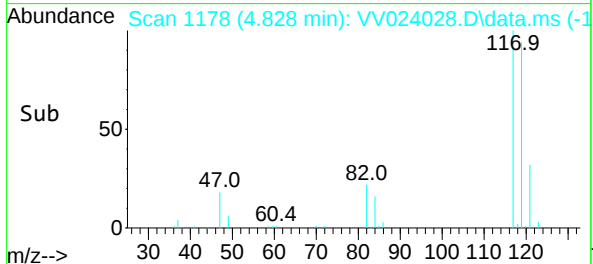
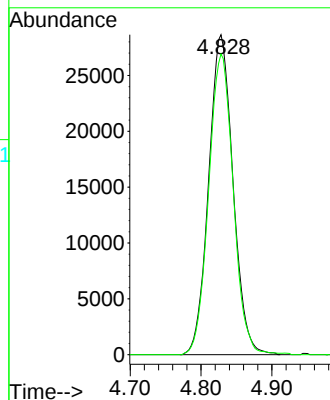
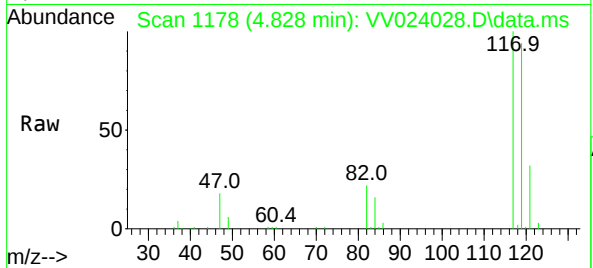




#31
Carbon tetrachloride
Concen: 5.192 ug/L
RT: 4.828 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

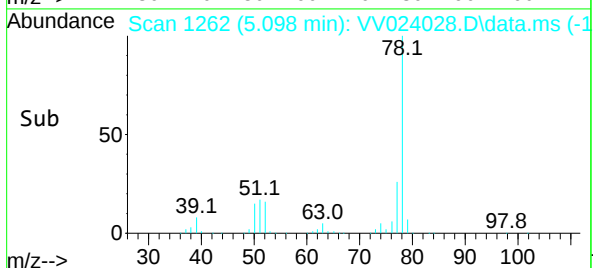
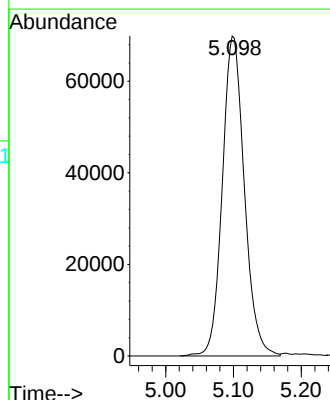
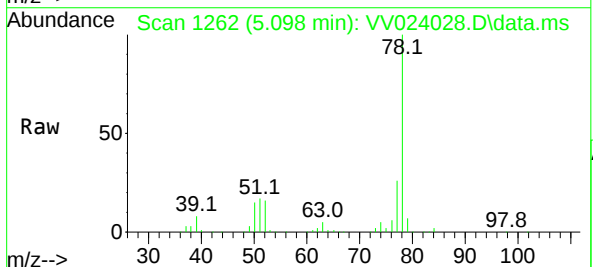
Instrument :
MSVOA_V
ClientSampleId :

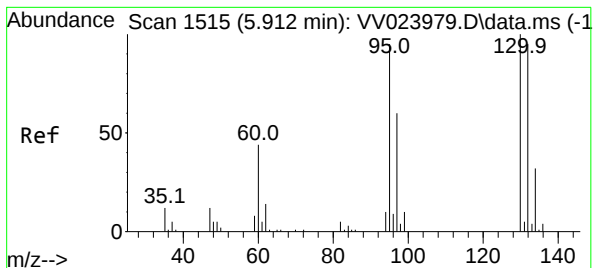
Tgt Ion:117 Resp: 68433
Ion Ratio Lower Upper
117 100
119 94.7 76.6 114.8



#33
Benzene
Concen: 5.197 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.000 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

Tgt Ion: 78 Resp: 157549





#34

Trichloroethene

Concen: 5.044 ug/L

RT: 5.915 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV024028.D

Acq: 16 Dec 2021 21:13

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 43136

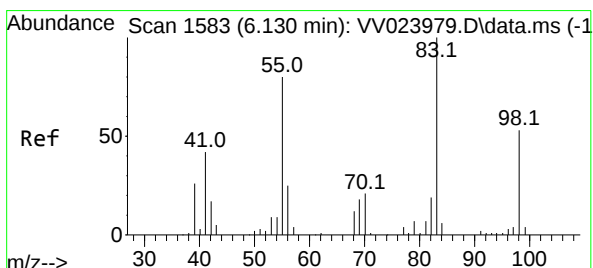
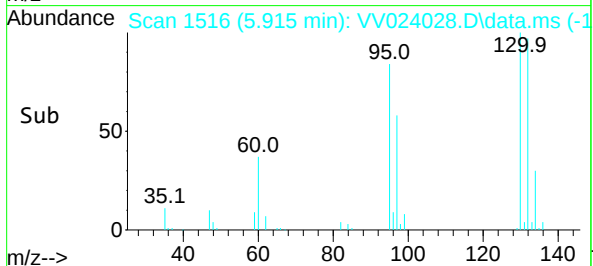
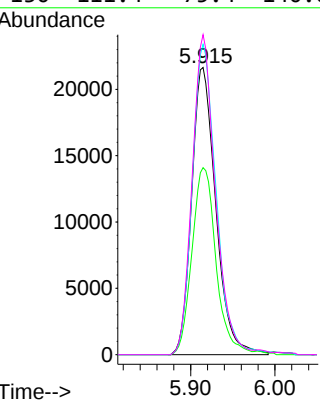
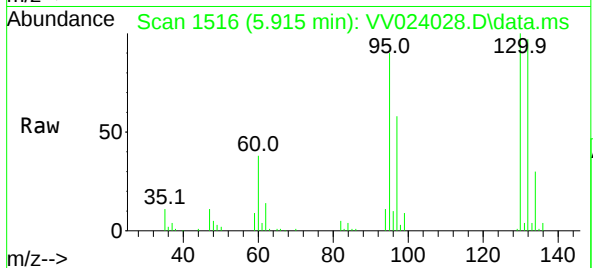
Ion Ratio Lower Upper

95 100

97 65.1 45.2 84.0

132 108.1 76.1 141.3

130 111.4 75.4 140.0



#35

Methylcyclohexane

Concen: 4.705 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. 0.000 min

Lab File: VV024028.D

Acq: 16 Dec 2021 21:13

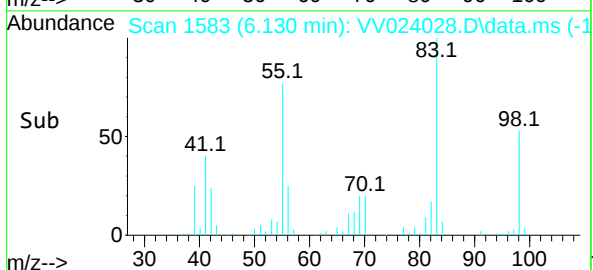
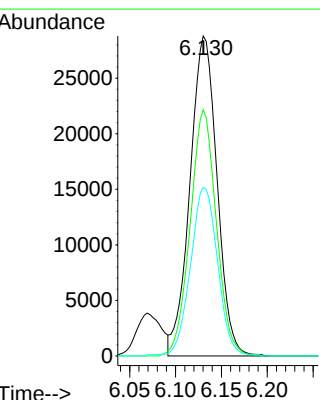
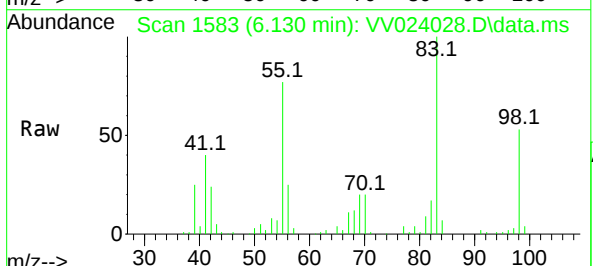
Tgt Ion: 83 Resp: 59211

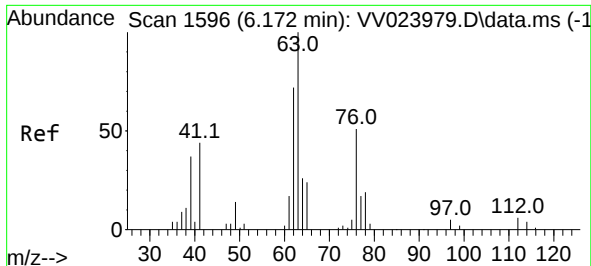
Ion Ratio Lower Upper

83 100

55 74.2 60.2 90.2

98 52.8 41.0 61.4





#37

1,2-Dichloropropane

Concen: 5.367 ug/L

RT: 6.172 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV024028.D

Acq: 16 Dec 2021 21:13

Instrument :

MSVOA_V

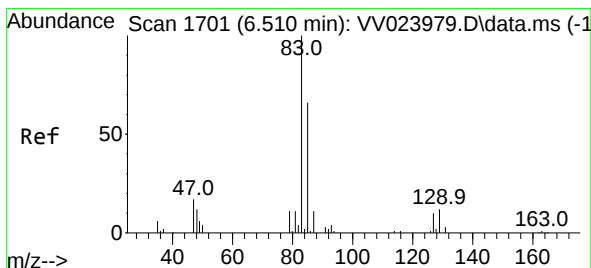
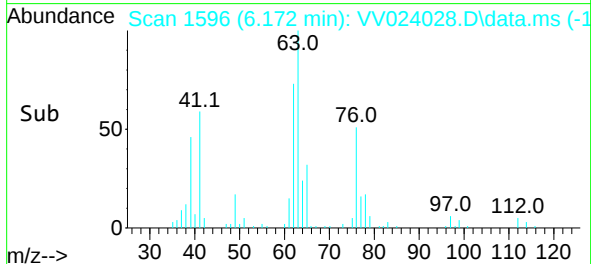
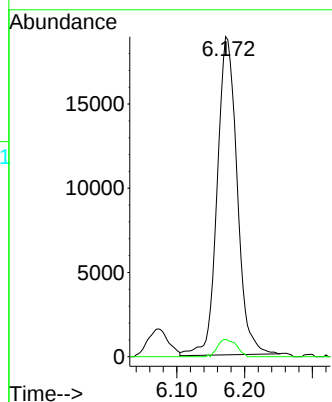
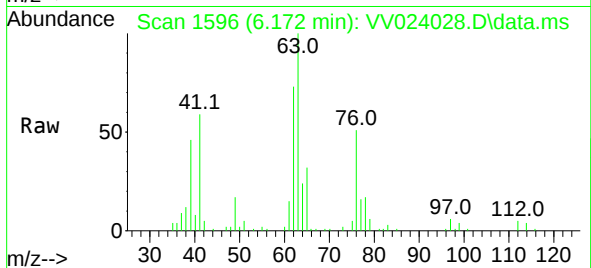
ClientSampleId :

Tgt Ion: 63 Resp: 38674

Ion Ratio Lower Upper

63 100

112 5.1 4.3 6.5



#38

Bromodichloromethane

Concen: 5.261 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VV024028.D

Acq: 16 Dec 2021 21:13

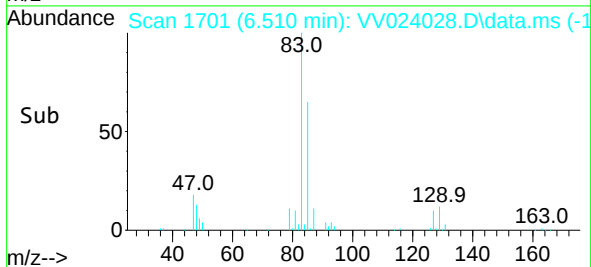
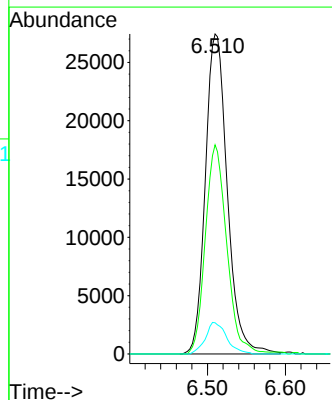
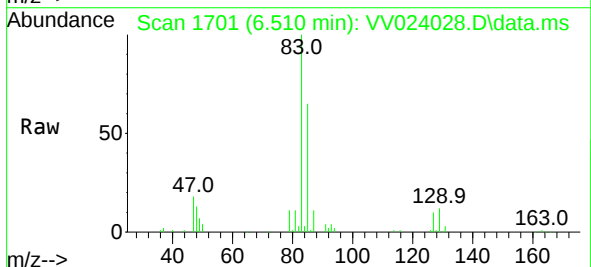
Tgt Ion: 83 Resp: 53700

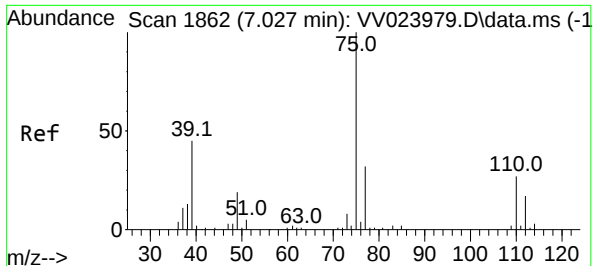
Ion Ratio Lower Upper

83 100

85 65.4 44.0 81.8

127 9.7 8.6 12.8





#39

cis-1,3-Dichloropropene

Concen: 4.646 ug/L

RT: 7.027 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV024028.D

Acq: 16 Dec 2021 21:13

Instrument :

MSVOA_V

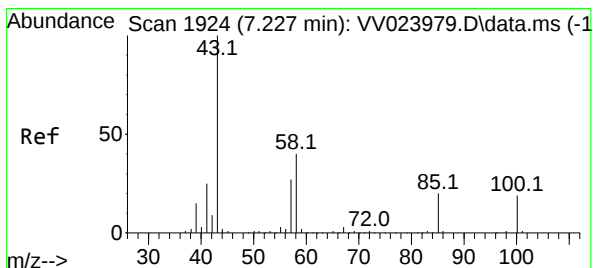
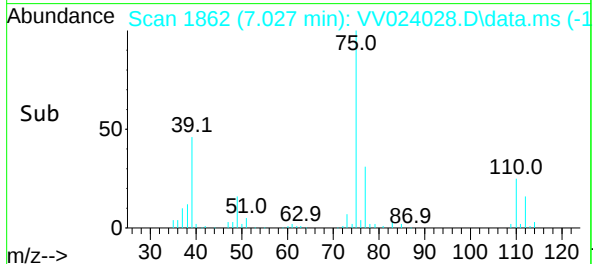
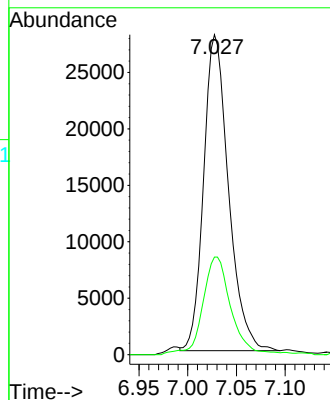
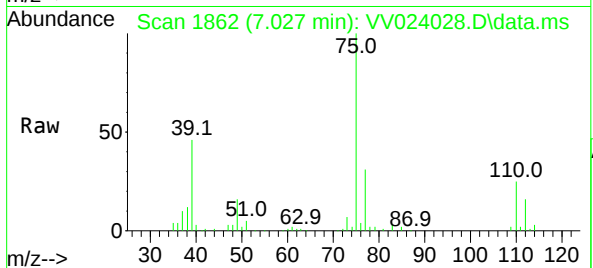
ClientSampleId :

Tgt Ion: 75 Resp: 49697

Ion Ratio Lower Upper

75 100

77 30.5 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 62.204 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VV024028.D

Acq: 16 Dec 2021 21:13

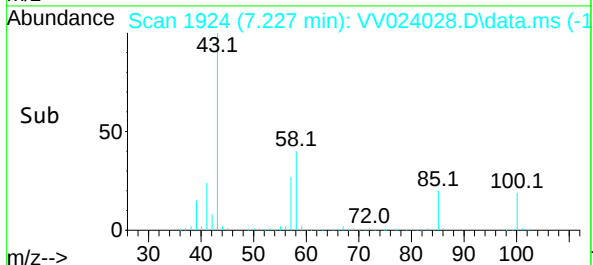
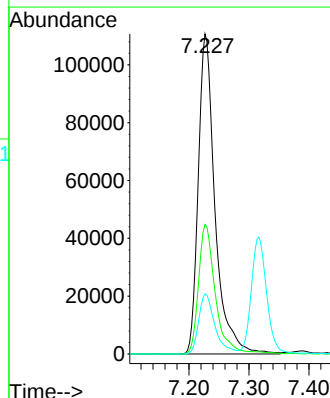
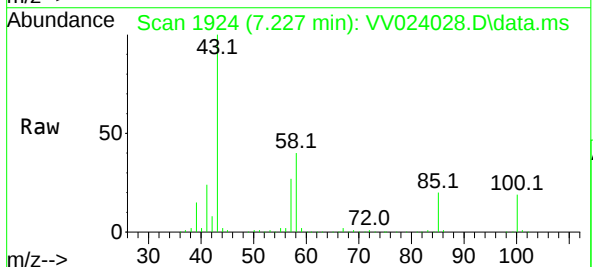
Tgt Ion: 43 Resp: 215316

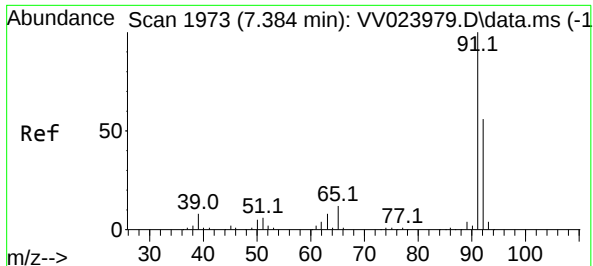
Ion Ratio Lower Upper

43 100

58 40.7 32.3 48.5

100 18.2 13.0 19.6





#42

Toluene

Concen: 5.319 ug/L

RT: 7.387 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV024028.D

Acq: 16 Dec 2021 21:13

Instrument :

MSVOA_V

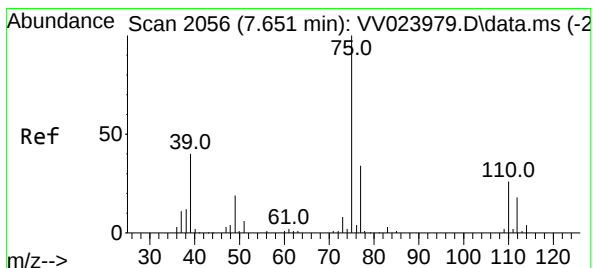
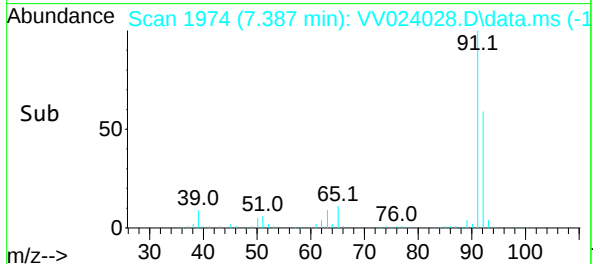
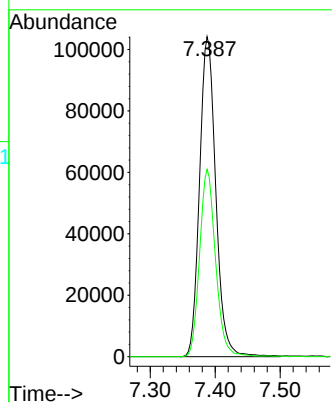
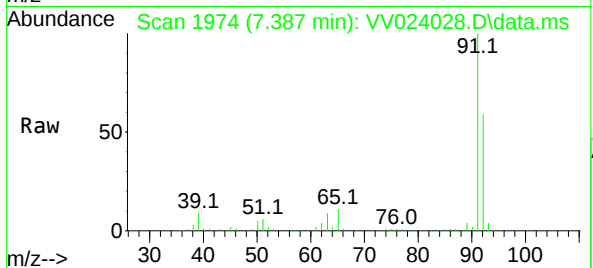
ClientSampleId :

Tgt Ion: 91 Resp: 181493

Ion Ratio Lower Upper

91 100

92 58.6 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 5.069 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VV024028.D

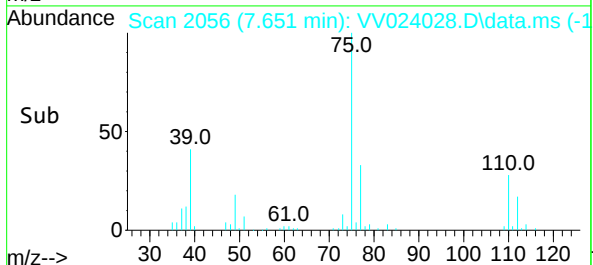
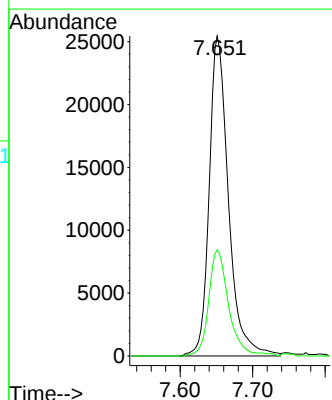
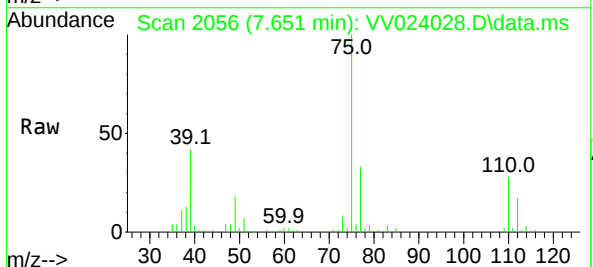
Acq: 16 Dec 2021 21:13

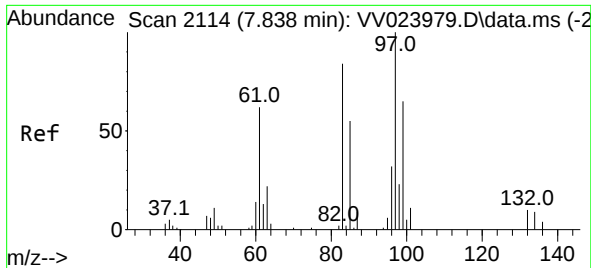
Tgt Ion: 75 Resp: 46869

Ion Ratio Lower Upper

75 100

77 33.2 21.8 40.4



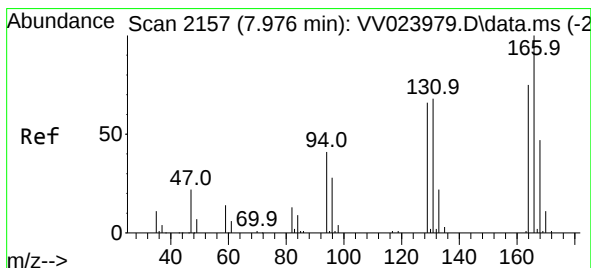
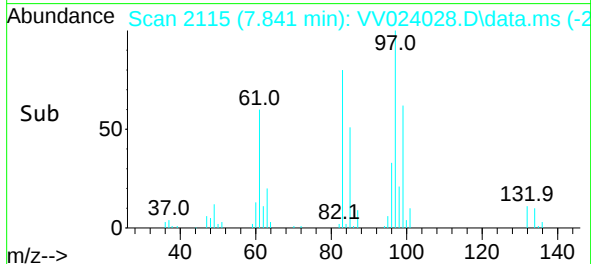
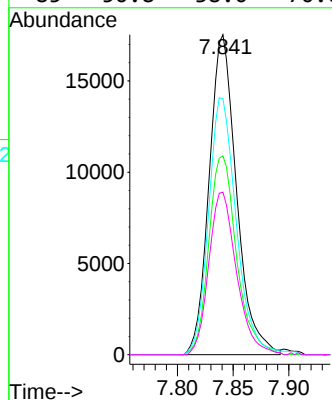
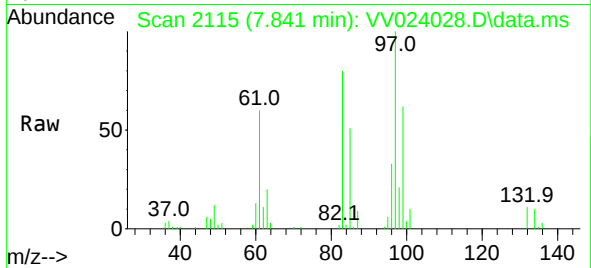


#45
1,1,2-Trichloroethane
Concen: 5.629 ug/L
RT: 7.841 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 30009

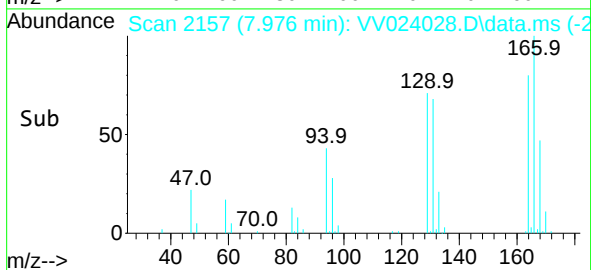
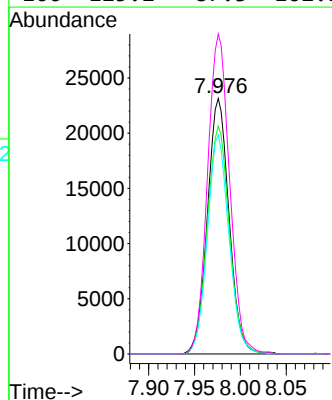
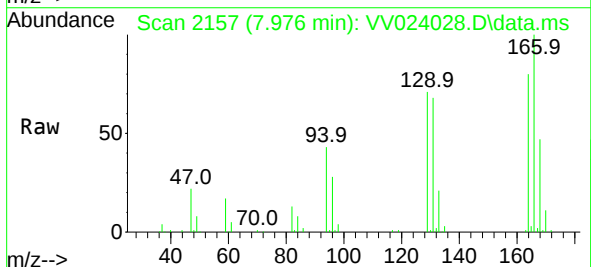
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.1	80.1
83	80.0	57.9	107.5
85	50.8	38.0	70.6

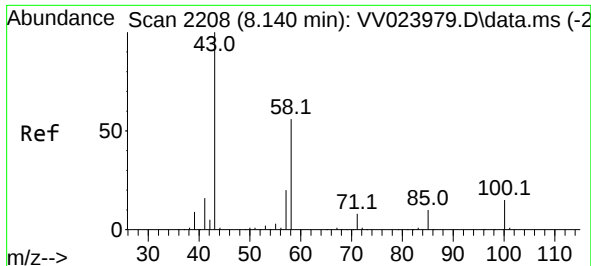


#47
Tetrachloroethene
Concen: 5.049 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.000 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

Tgt Ion: 164 Resp: 38013

Ion	Ratio	Lower	Upper
164	100		
129	89.2	62.6	116.2
131	85.6	61.0	113.4
166	125.2	87.3	162.1



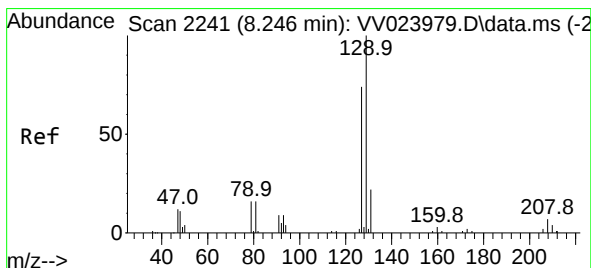
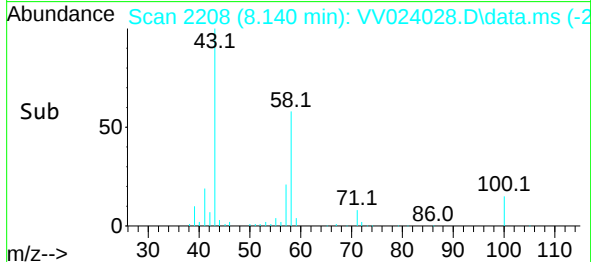
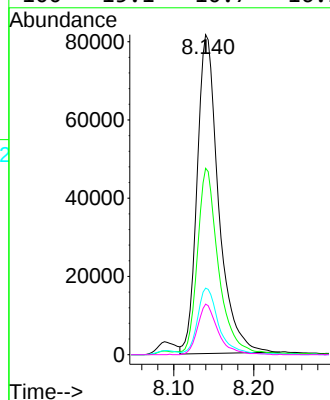
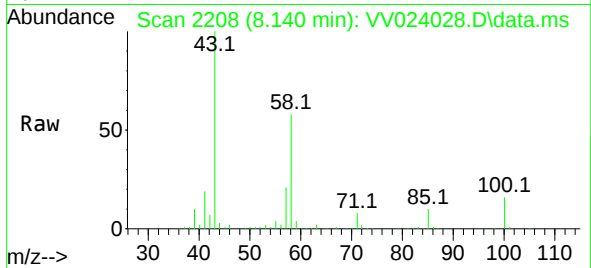


#48
2-Hexanone
Concen: 60.752 ug/L
RT: 8.140 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 152481

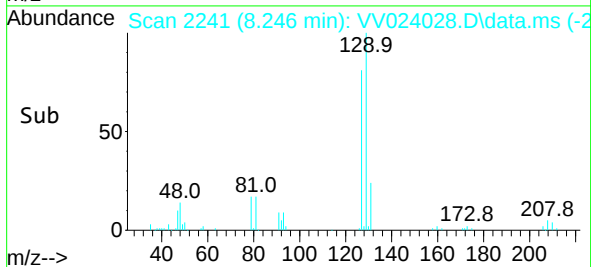
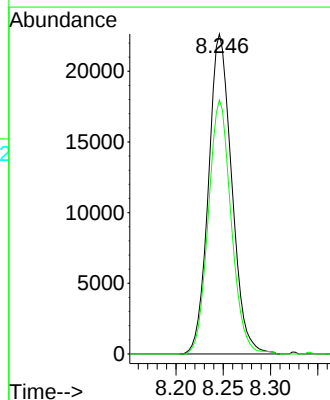
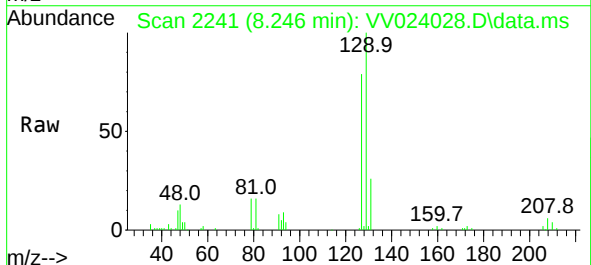
Ion	Ratio	Lower	Upper
43	100		
58	55.9	44.5	66.7
57	20.0	15.1	22.7
100	15.1	10.7	16.1

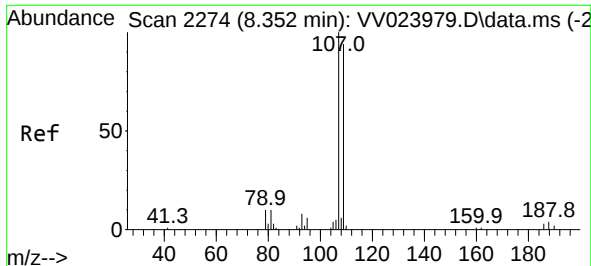


#49
Dibromochloromethane
Concen: 5.330 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

Tgt Ion: 129 Resp: 38660

Ion	Ratio	Lower	Upper
129	100		
127	79.4	53.5	99.3





#50

1,2-Dibromoethane

Concen: 5.474 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV024028.D

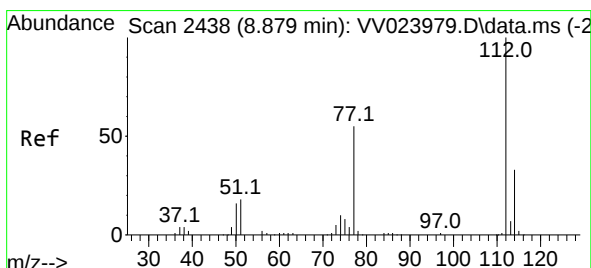
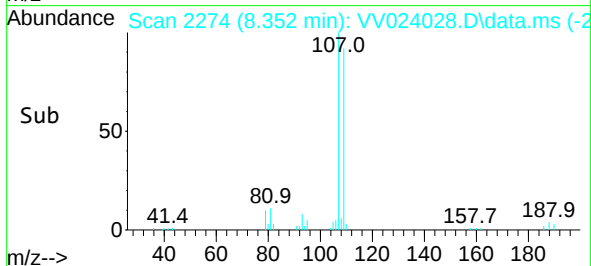
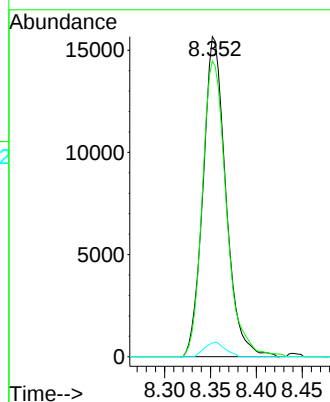
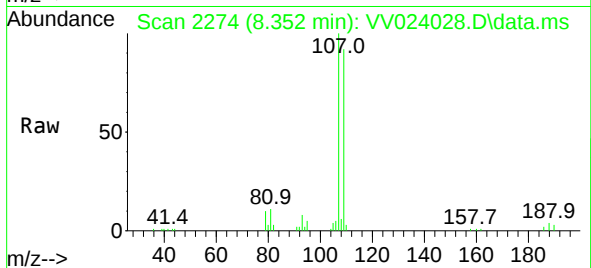
Acq: 16 Dec 2021 21:13

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	27094
Ion	Ratio	Lower	Upper
107	100		
109	92.4	62.5	116.1
188	4.3	3.4	5.2



#51

Chlorobenzene

Concen: 5.166 ug/L

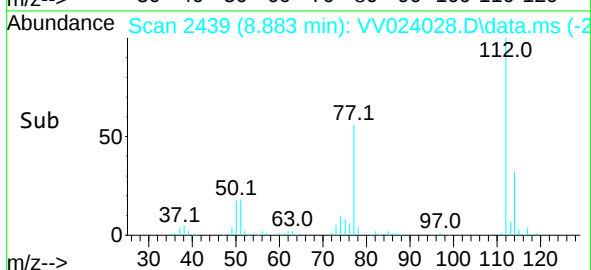
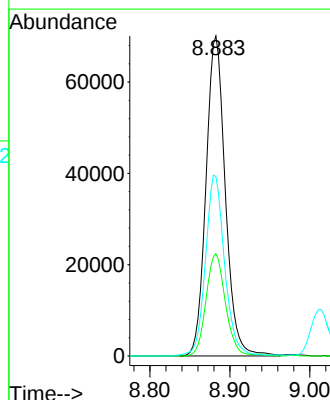
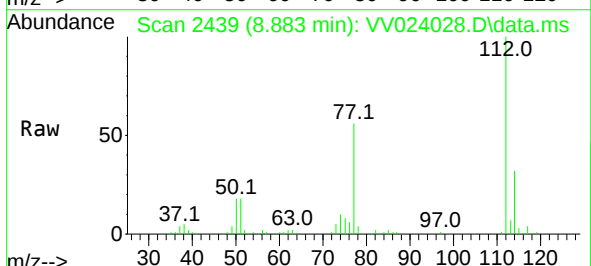
RT: 8.883 min Scan# 2439

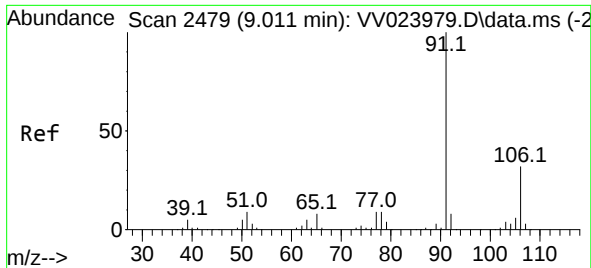
Delta R.T. 0.003 min

Lab File: VV024028.D

Acq: 16 Dec 2021 21:13

Tgt Ion:	112	Resp:	117803
Ion	Ratio	Lower	Upper
112	100		
114	31.9	23.3	43.3
77	56.1	43.3	64.9





#52

Ethylbenzene

Concen: 5.205 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. 0.000 min

Lab File: VV024028.D

Acq: 16 Dec 2021 21:13

Instrument :

MSVOA_V

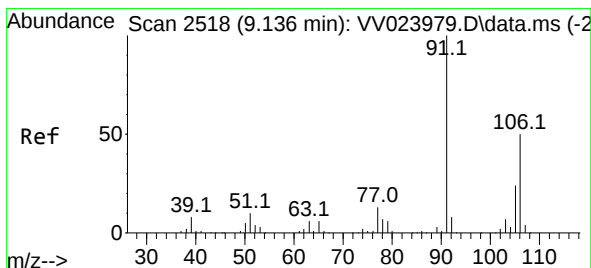
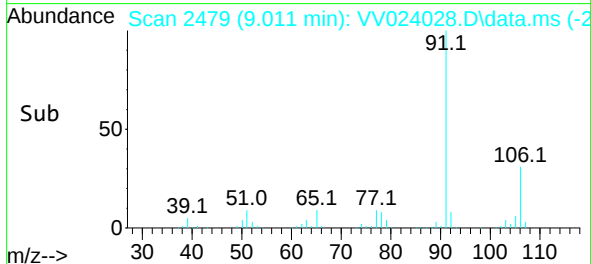
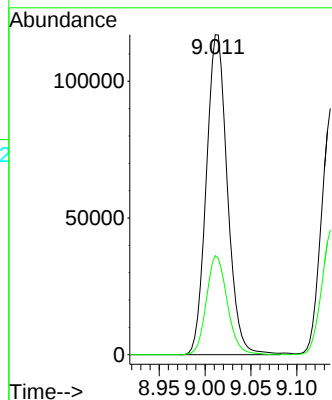
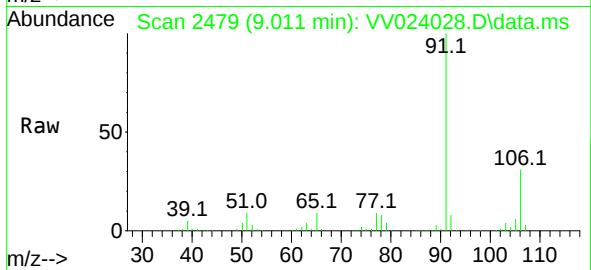
ClientSampleId :

Tgt Ion: 91 Resp: 187384

Ion Ratio Lower Upper

91 100

106 30.9 22.0 41.0



#53

m,p-xylene

Concen: 5.243 ug/L

RT: 9.137 min Scan# 2518

Delta R.T. 0.000 min

Lab File: VV024028.D

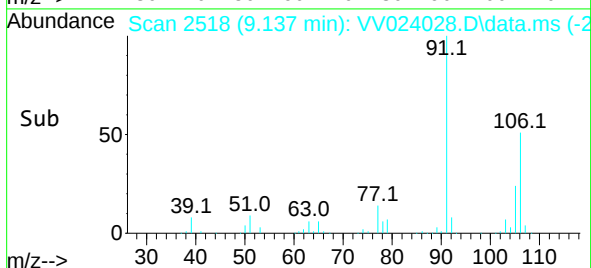
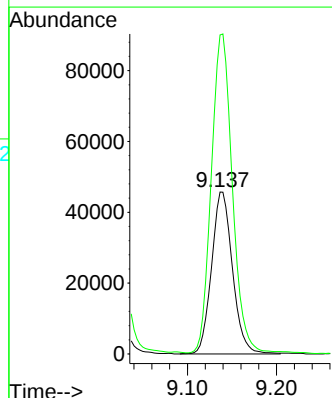
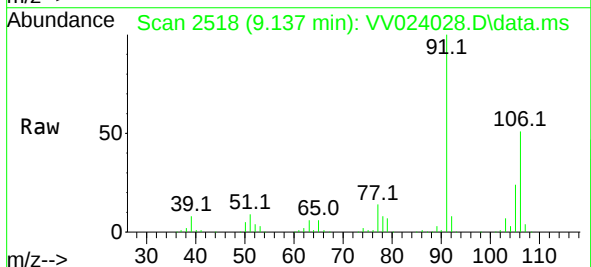
Acq: 16 Dec 2021 21:13

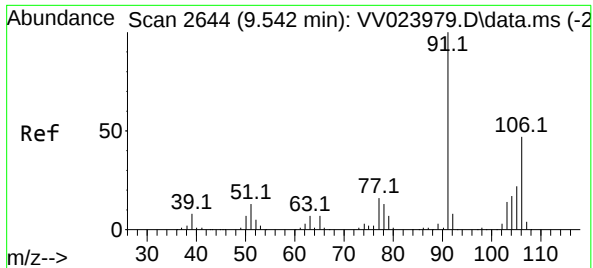
Tgt Ion:106 Resp: 74643

Ion Ratio Lower Upper

106 100

91 197.0 139.5 259.1

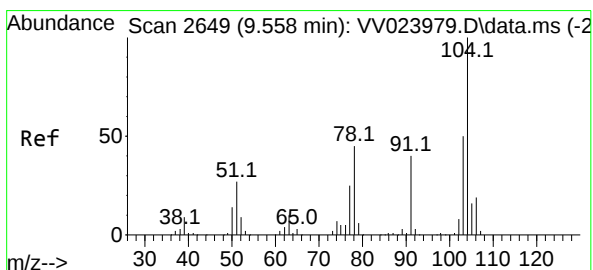
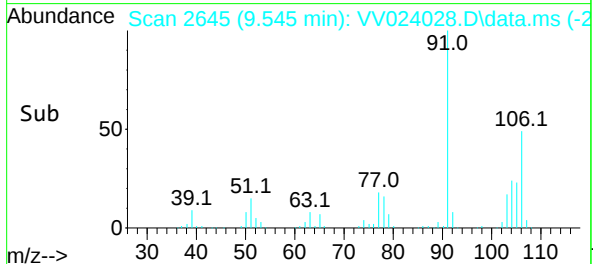
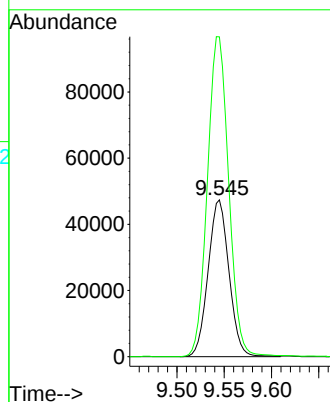
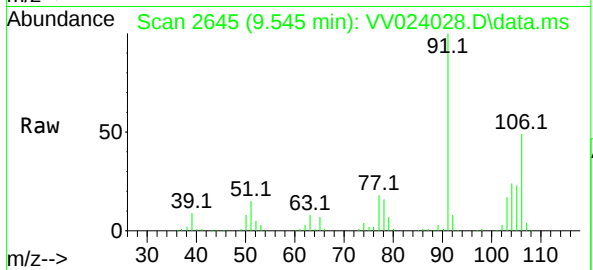




#54
o-xylene
Concen: 5.280 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

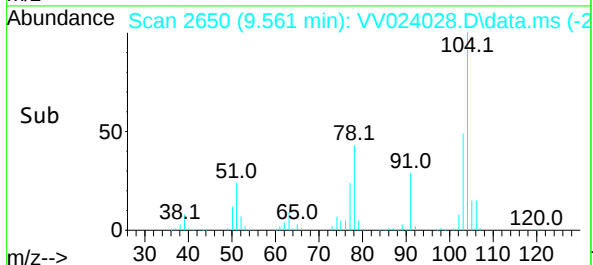
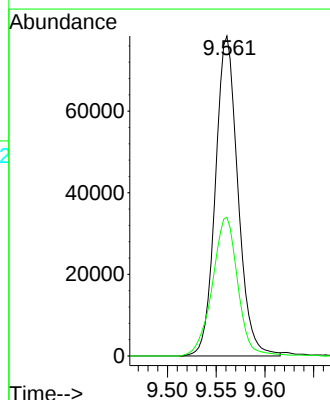
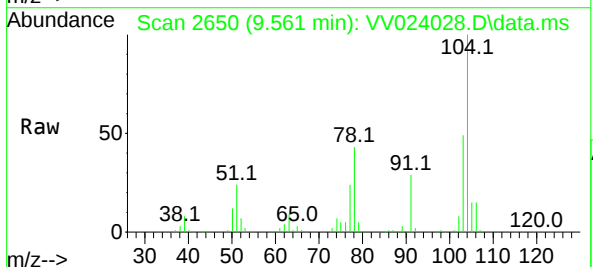
Instrument :
MSVOA_V
ClientSampleId :

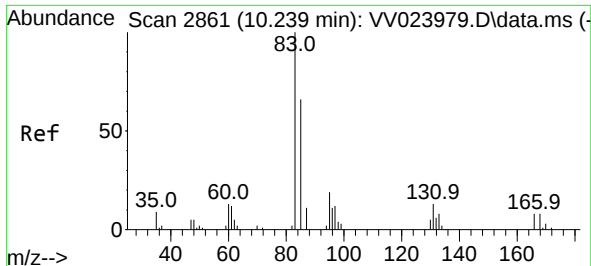
Tgt Ion:106 Resp: 72703
Ion Ratio Lower Upper
106 100
91 203.9 147.9 274.7



#55
Styrene
Concen: 5.501 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.003 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

Tgt Ion:104 Resp: 126087
Ion Ratio Lower Upper
104 100
78 43.4 31.0 57.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.374 ug/L

RT: 10.243 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV024028.D

Acq: 16 Dec 2021 21:13

Instrument :

MSVOA_V

ClientSampleId :

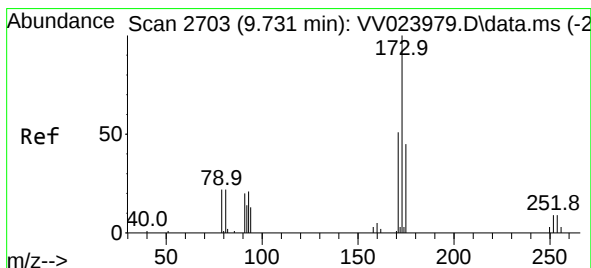
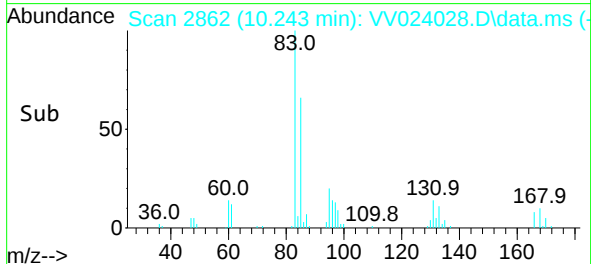
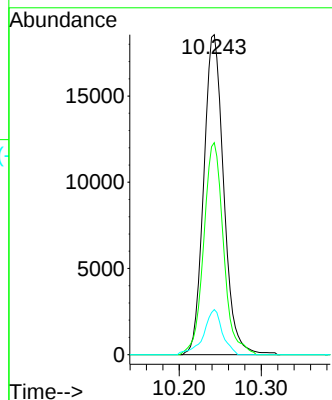
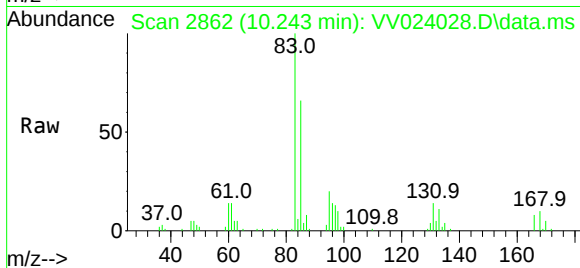
Tgt Ion: 83 Resp: 31374

Ion Ratio Lower Upper

83 100

85 66.3 44.6 82.8

131 14.1 8.3 12.5#



#59

Bromoform

Concen: 5.097 ug/L

RT: 9.731 min Scan# 2703

Delta R.T. 0.000 min

Lab File: VV024028.D

Acq: 16 Dec 2021 21:13

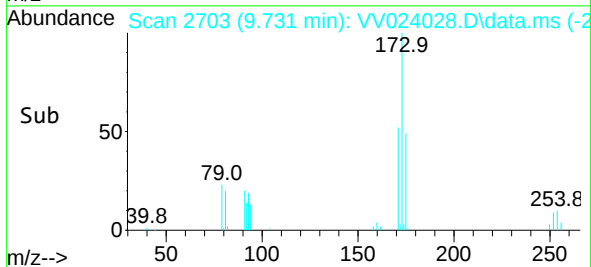
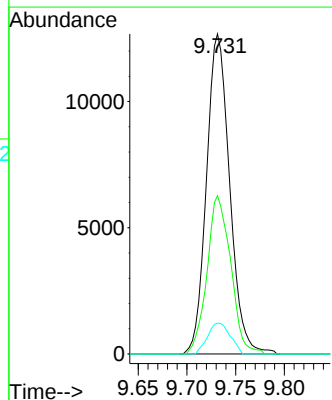
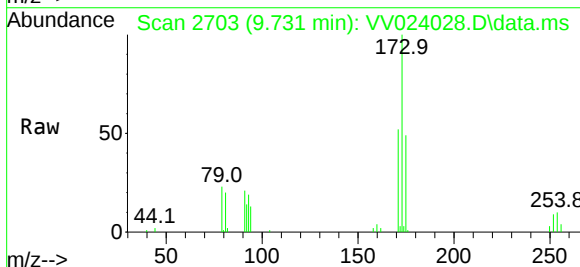
Tgt Ion: 173 Resp: 21007

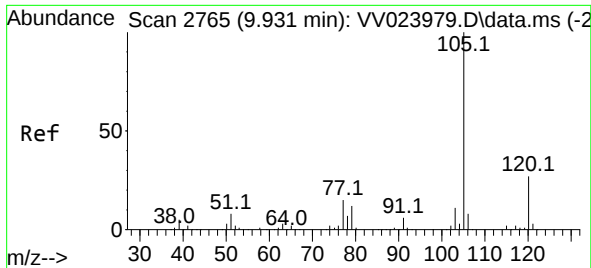
Ion Ratio Lower Upper

173 100

175 50.4 39.4 59.2

254 9.4 7.4 11.0

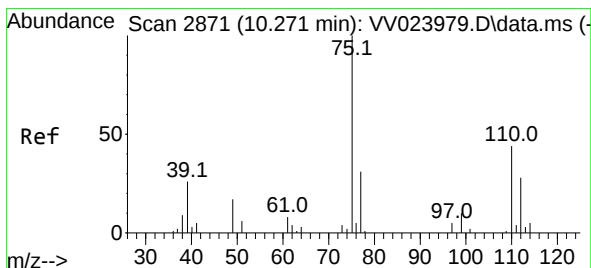
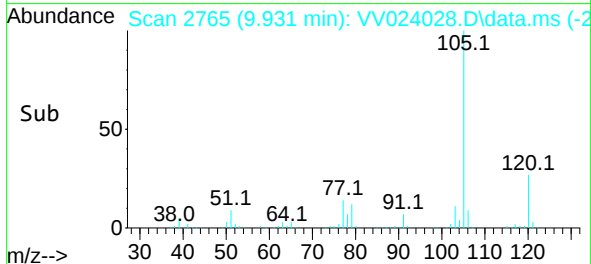
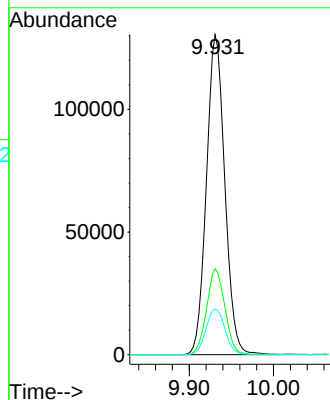
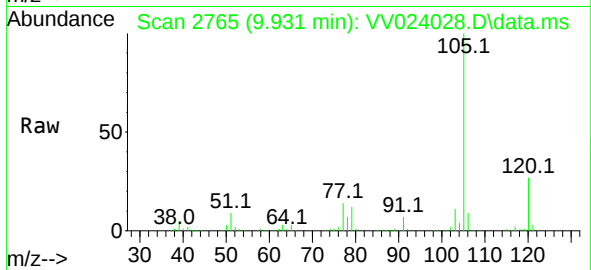




#60
Isopropylbenzene
Concen: 5.250 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

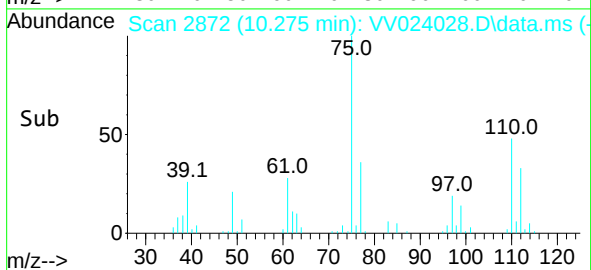
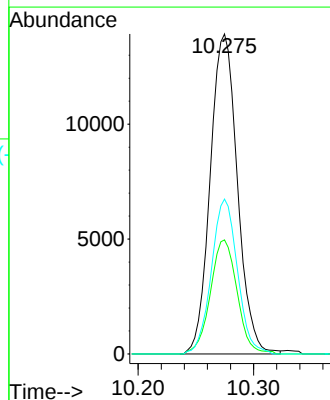
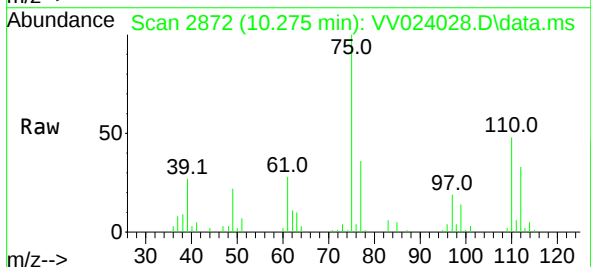
Instrument :
MSVOA_V
ClientSampleId :

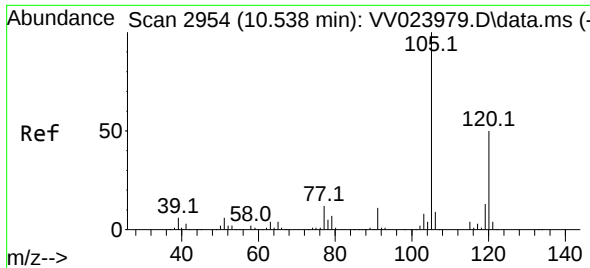
Tgt Ion:105 Resp: 197916
Ion Ratio Lower Upper
105 100
120 26.8 21.4 32.0
77 14.9 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 5.207 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.003 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

Tgt Ion: 75 Resp: 22778
Ion Ratio Lower Upper
75 100
77 35.0 26.4 39.6
110 46.4 34.2 51.2

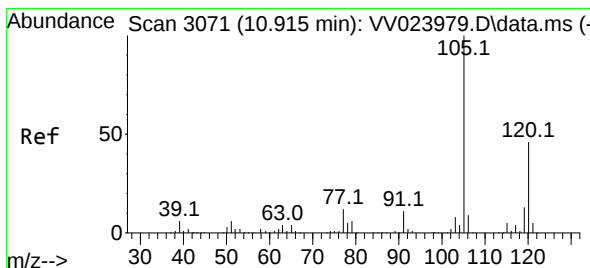
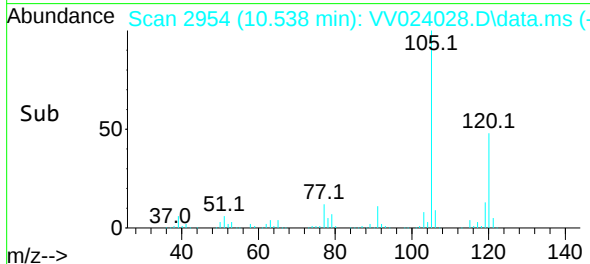
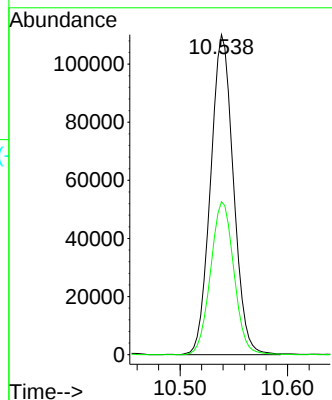
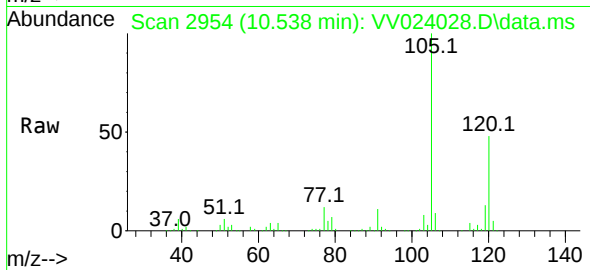




#62
1,3,5-Trimethylbenzene
Concen: 5.211 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. 0.000 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

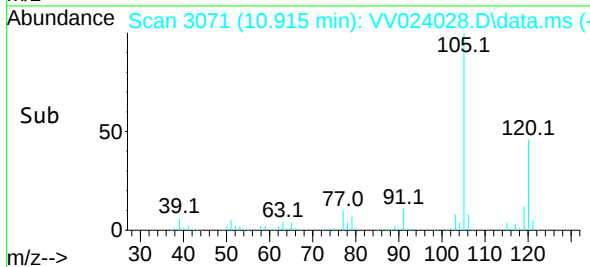
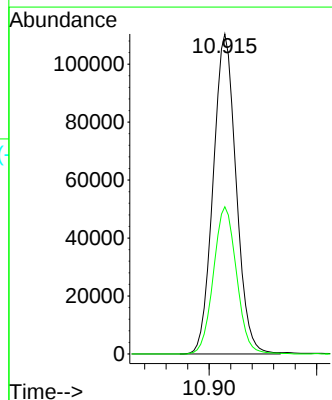
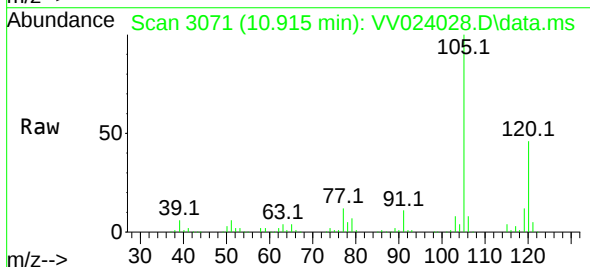
Instrument :
MSVOA_V
ClientSampleId :

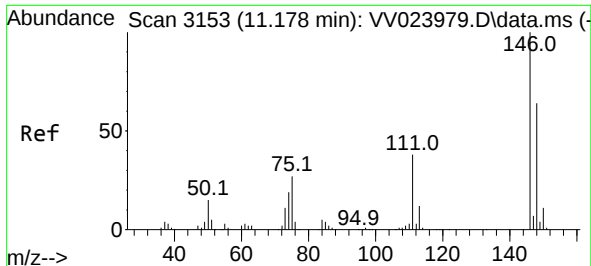
Tgt Ion:105 Resp: 162974
Ion Ratio Lower Upper
105 100
120 48.7 40.1 60.1



#63
1,2,4-Trimethylbenzene
Concen: 5.250 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.000 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

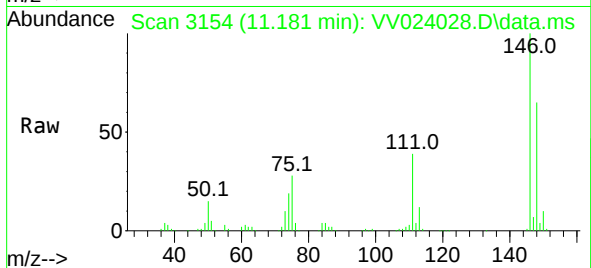
Tgt Ion:105 Resp: 163569
Ion Ratio Lower Upper
105 100
120 46.3 36.7 55.1



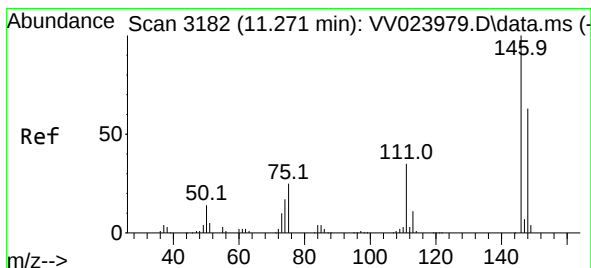
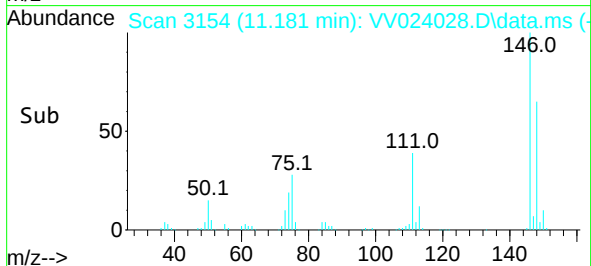
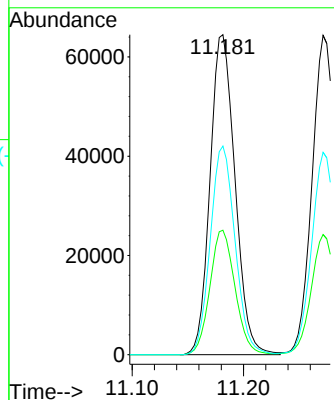


#64
1,3-Dichlorobenzene
Concen: 5.211 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

Instrument :
MSVOA_V
ClientSampleId :

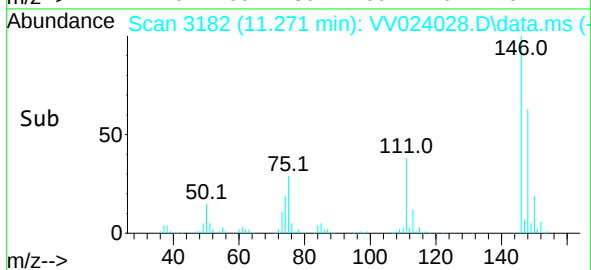
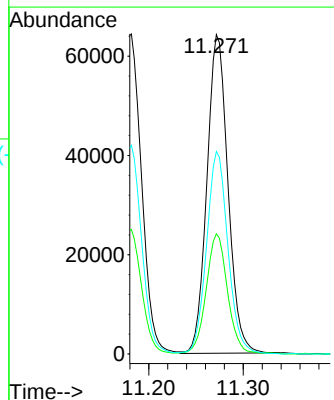
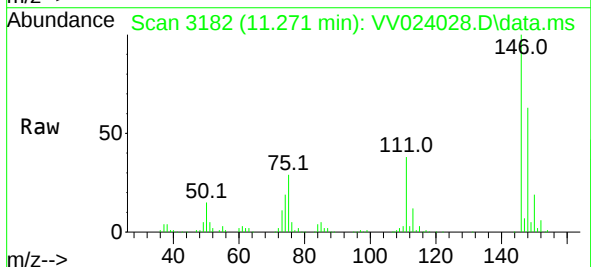


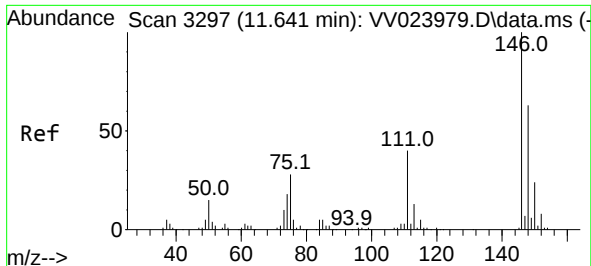
Tgt Ion:146 Resp: 100473
Ion Ratio Lower Upper
146 100
111 38.9 26.3 48.9
148 65.2 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 5.131 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

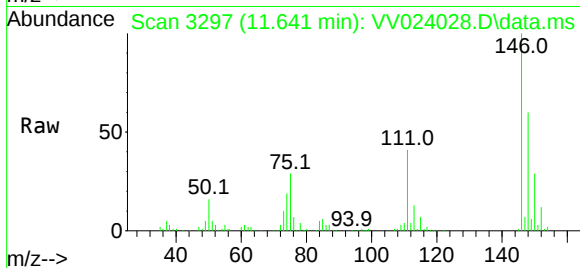
Tgt Ion:146 Resp: 99363
Ion Ratio Lower Upper
146 100
111 37.6 25.6 47.6
148 63.4 44.8 83.2



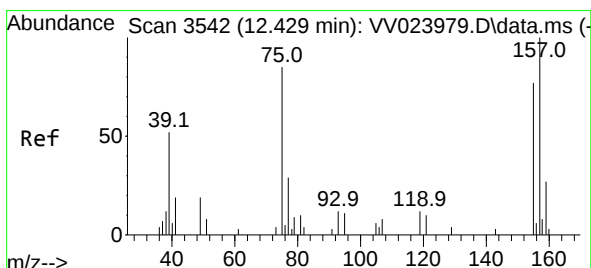
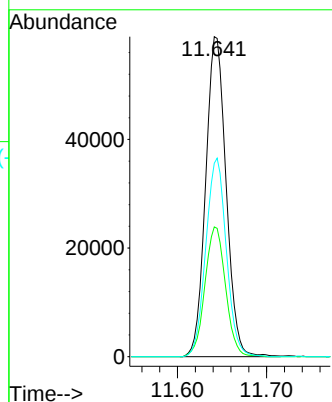
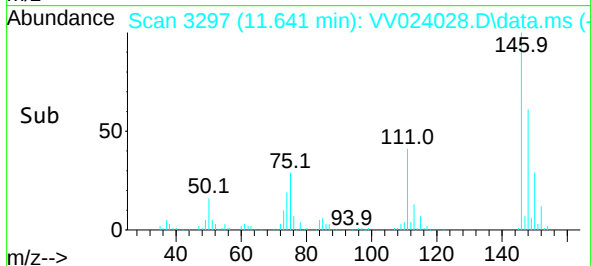


#67
1,2-Dichlorobenzene
Concen: 5.307 ug/L
RT: 11.641 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

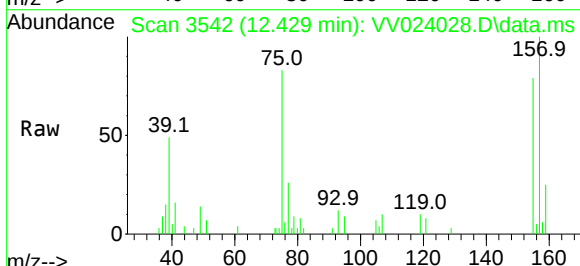
Instrument :
MSVOA_V
ClientSampleId :



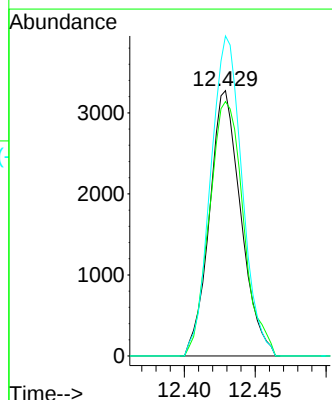
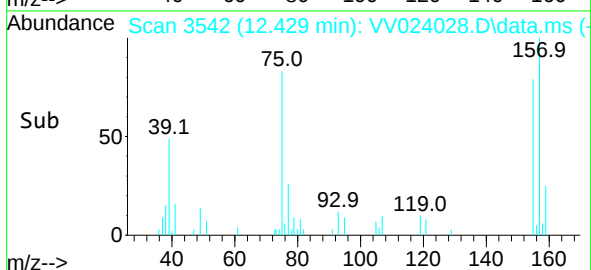
Tgt Ion:146 Resp: 93747
Ion Ratio Lower Upper
146 100
111 40.6 31.9 47.9
148 60.5 50.5 75.7

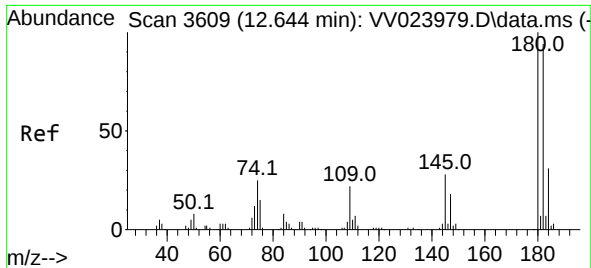


#68
1,2-Dibromo-3-chloropropane
Concen: 5.277 ug/L
RT: 12.429 min Scan# 3542
Delta R.T. 0.000 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13



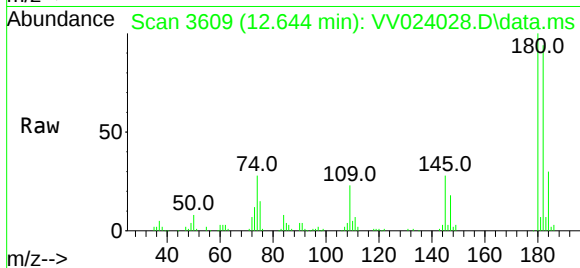
Tgt Ion: 75 Resp: 5042
Ion Ratio Lower Upper
75 100
155 95.9 71.7 107.5
157 120.7 103.3 154.9



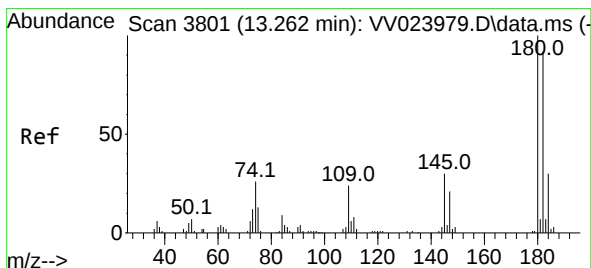
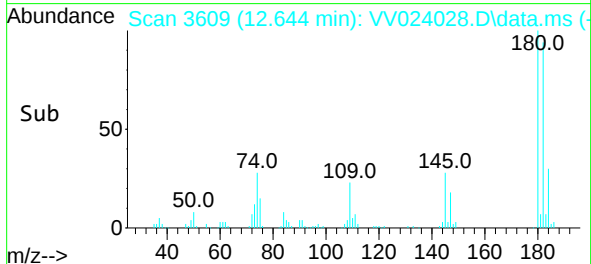
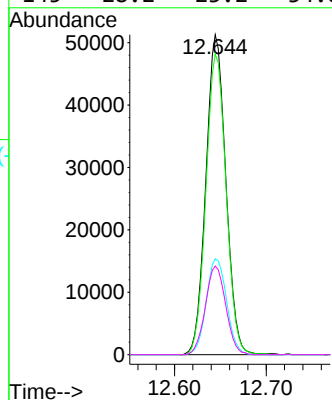


#69
 1,3,5-Trichlorobenzene
 Concen: 4.900 ug/L
 RT: 12.644 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VV024028.D
 Acq: 16 Dec 2021 21:13

Instrument :
 MSVOA_V
 ClientSampleId :

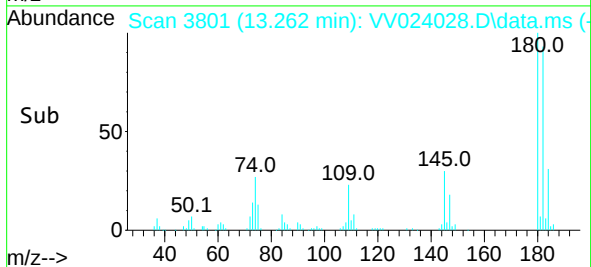
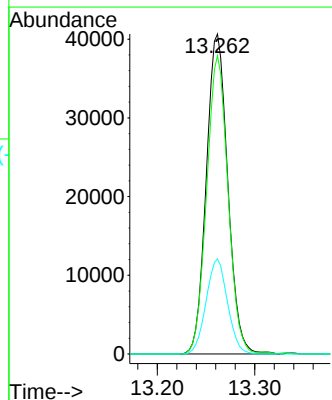
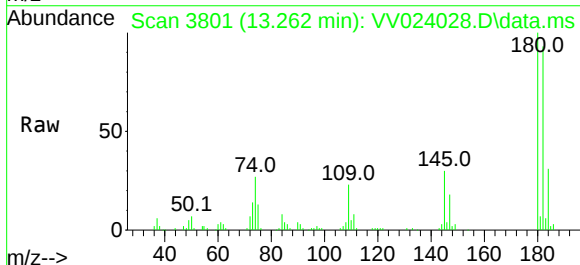


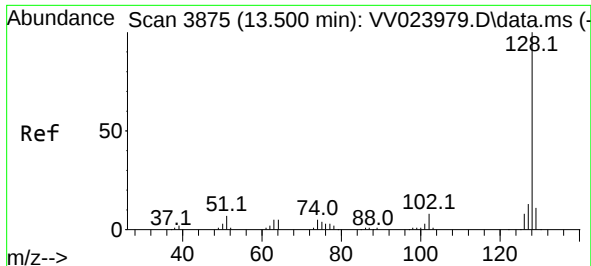
Tgt Ion:180 Resp: 77701
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.4 114.6
 184 30.5 24.2 36.4
 145 28.2 23.2 34.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.997 ug/L
 RT: 13.262 min Scan# 3801
 Delta R.T. 0.000 min
 Lab File: VV024028.D
 Acq: 16 Dec 2021 21:13

Tgt Ion:180 Resp: 62244
 Ion Ratio Lower Upper
 180 100
 182 92.4 74.4 111.6
 145 29.6 23.3 34.9

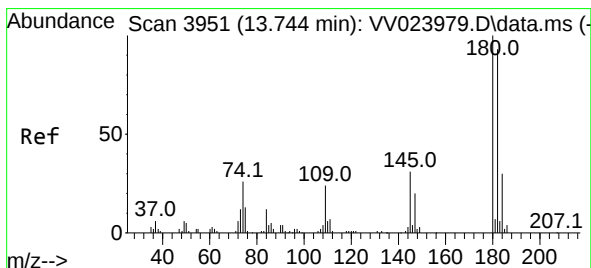
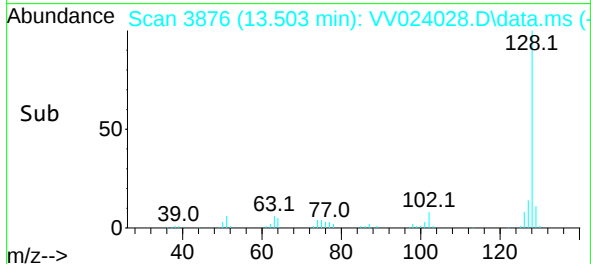
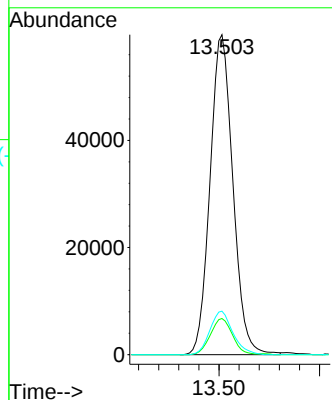
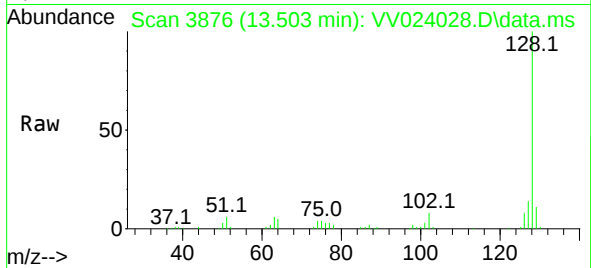




#71
Naphthalene
Concen: 5.264 ug/L
RT: 13.503 min Scan# 3875
Delta R.T. 0.003 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 94230
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 13.7 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 5.167 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.000 min
Lab File: VV024028.D
Acq: 16 Dec 2021 21:13

Tgt Ion:180 Resp: 56821
Ion Ratio Lower Upper
180 100
182 96.9 76.8 115.2
145 32.1 25.8 38.6

