

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081922\
 Data File : VV027452.D
 Acq On : 19 Aug 2022 20:01
 Operator : SY/MD
 Sample : N4253-07MSD
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EX9E1MSD

Quant Time: Aug 20 06:08:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 20 05:55:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	147004	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	144831	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	76773	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	48637	4.649	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.000%
7) Chloroethane-d5	1.564	69	41768	5.455	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.000%
11) 1,1-Dichloroethene-d2	2.108	63	107840	4.420	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.400%
20) 2-Butanone-d5	3.892	46	89047	68.391	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	136.780%#
24) Chloroform-d	4.346	84	94989	4.541	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	5.034	65	41900	4.630	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	5.047	84	188486	4.699	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	6.069	67	53672	4.602	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.000%
41) Toluene-d8	7.313	98	175455	4.844	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
43) trans-1,3-Dichloroprop...	7.625	79	18420	4.613	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.200%
46) 2-Hexanone-d5	8.088	63	64093	48.757	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.520%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	35730	4.811	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	53209	4.675	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	76400	4.898	ug/L	98
3) Chloromethane	1.240	50	73492	5.395	ug/L	99
5) Vinyl chloride	1.310	62	69993	5.104	ug/L	98
6) Bromomethane	1.519	94	40204	5.929	ug/L	97
8) Chloroethane	1.584	64	56978	7.110	ug/L	96
9) Trichlorofluoromethane	1.751	101	108216	4.967	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	62185	5.057	ug/L	100
12) 1,1-Dichloroethene	2.118	96	54101	4.864	ug/L	98
13) Acetone	2.179	43	96430	77.551	ug/L	98
14) Carbon disulfide	2.291	76	152440	4.994	ug/L	100
15) Methyl Acetate	2.436	43	20804	6.041	ug/L	92
16) Methylene chloride	2.503	84	62461	3.725	ug/L	98
17) Methyl tert-butyl Ether	2.767	73	118357	5.143	ug/L	97
18) trans-1,2-Dichloroethene	2.757	96	57908	5.054	ug/L	99
19) 1,1-Dichloroethane	3.185	63	121632	5.127	ug/L	98
21) 2-Butanone	3.973	43	124765	75.396	ug/L	99
22) cis-1,2-Dichloroethene	3.908	96	62507	5.119	ug/L	95
23) Bromochloromethane	4.246	128	26445	4.911	ug/L	93
25) Chloroform	4.371	83	127948	4.960	ug/L	95

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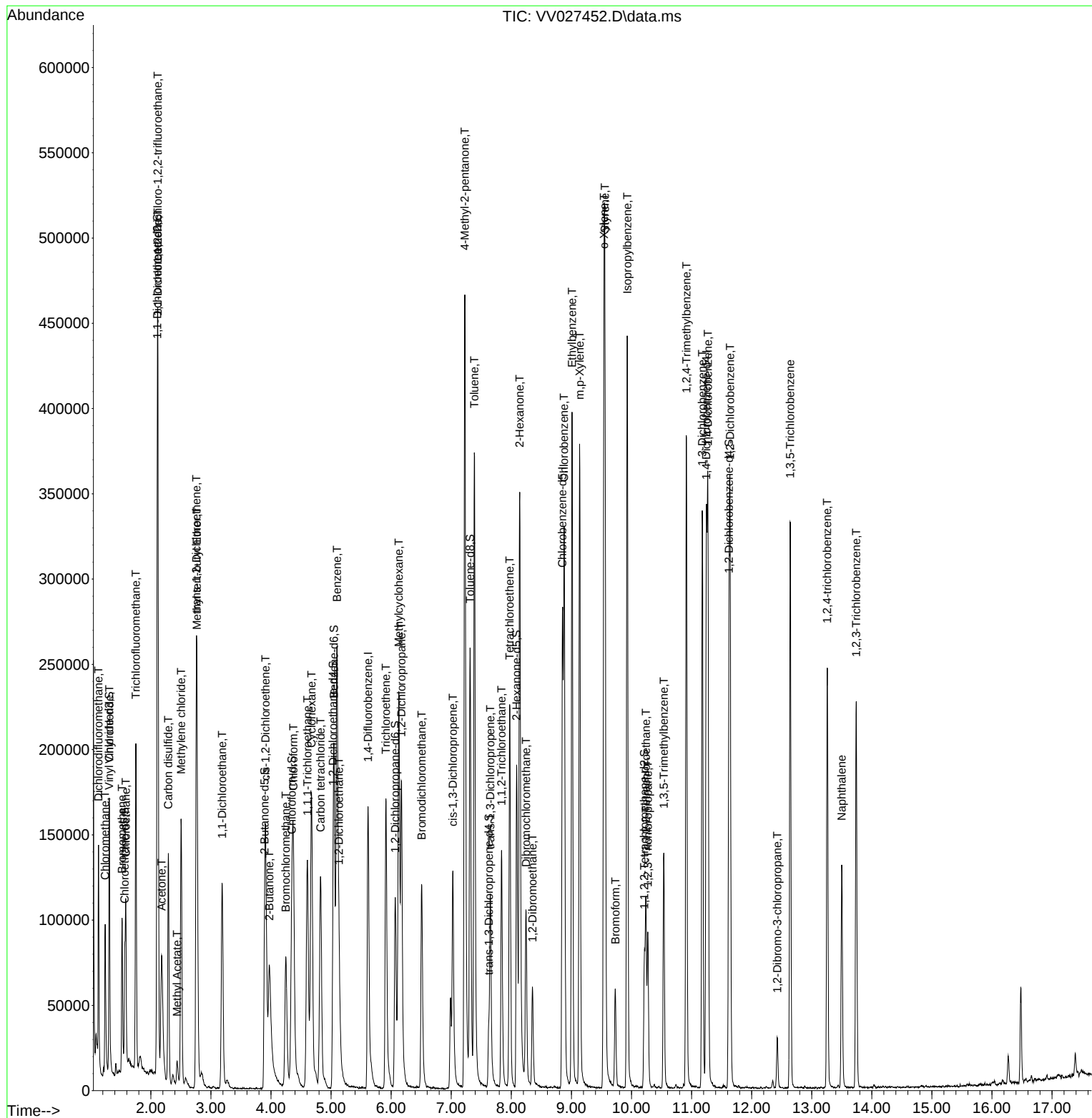
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	71978	5.492	ug/L	100
29) 1,1,1-Trichloroethane	4.606	97	107913	4.854	ug/L	99
30) Cyclohexane	4.674	56	85010	4.982	ug/L	95
31) Carbon tetrachloride	4.825	117	97854	5.062	ug/L	99
33) Benzene	5.098	78	259770	5.394	ug/L	100
34) Trichloroethene	5.912	95	63184	4.986	ug/L	98
35) Methylcyclohexane	6.127	83	90517	5.079	ug/L	98
37) 1,2-Dichloropropane	6.172	63	67531	5.260	ug/L	99
38) Bromodichloromethane	6.506	83	84146	5.170	ug/L	99
39) cis-1,3-Dichloropropene	7.027	75	80254	5.184	ug/L	97
40) 4-Methyl-2-pentanone	7.227	43	332163	57.909	ug/L	99
42) Toluene	7.384	91	277743	5.588	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	67656	5.170	ug/L	97
45) 1,1,2-Trichloroethane	7.838	97	43253	5.270	ug/L	99
47) Tetrachloroethene	7.973	164	50275	5.093	ug/L	96
48) 2-Hexanone	8.140	43	235473	56.971	ug/L	97
49) Dibromochloromethane	8.246	129	52366	5.188	ug/L	98
50) 1,2-Dibromoethane	8.352	107	39020	5.447	ug/L	99
51) Chlorobenzene	8.879	112	170335	5.295	ug/L	99
52) Ethylbenzene	9.011	91	266401	5.251	ug/L	99
53) m,p-Xylene	9.136	106	103119	5.311	ug/L	99
54) o-Xylene	9.542	106	98852	5.249	ug/L	98
55) Styrene	9.558	104	174413	5.444	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.239	83	50189	5.429	ug/L	96
59) Bromoform	9.731	173	25085	4.875	ug/L	99
60) Isopropylbenzene	9.931	105	273473	5.414	ug/L	100
61) 1,2,3-Trichloropropane	10.272	75	36101	5.360	ug/L	97
62) 1,3,5-Trimethylbenzene	10.538	105	70729	5.049	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	203185	5.149	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	133115	5.348	ug/L	100
65) 1,4-Dichlorobenzene	11.271	146	132475	5.339	ug/L	97
67) 1,2-Dichlorobenzene	11.641	146	120716	5.350	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	7407	4.950	ug/L	97
69) 1,3,5-Trichlorobenzene	12.644	180	96412	5.190	ug/L	100
70) 1,2,4-trichlorobenzene	13.259	180	70136	5.195	ug/L	99
71) Naphthalene	13.500	128	99559	5.342	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	64334	5.365	ug/L	98

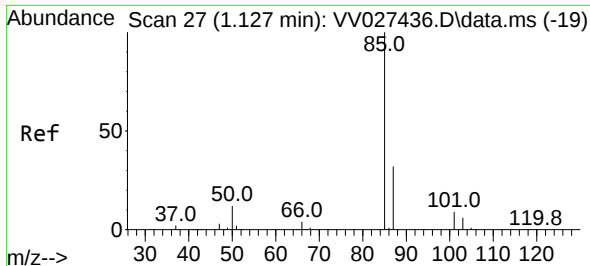
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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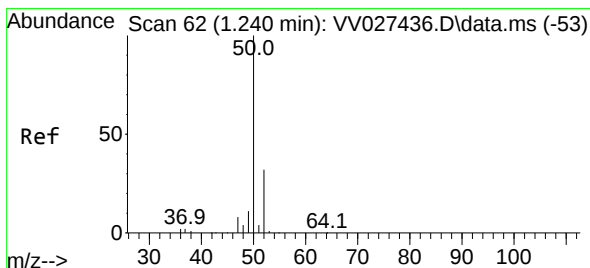
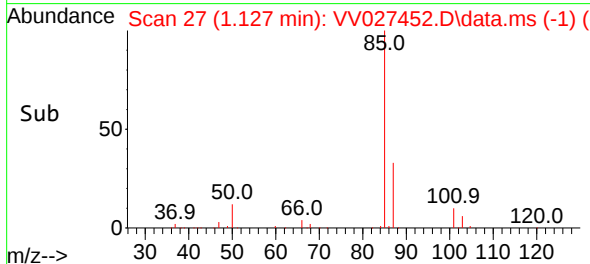
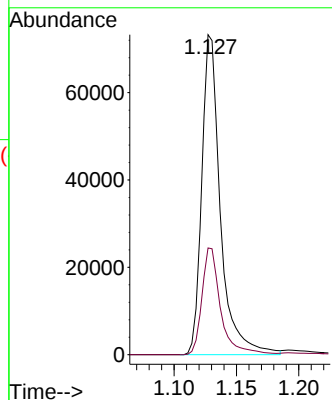
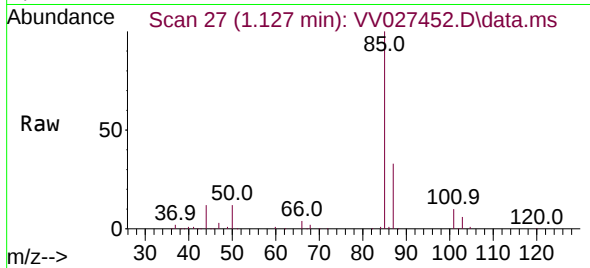




#2
 Dichlorodifluoromethane
 Concen: 4.898 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV027452.D
 Acq: 19 Aug 2022 20:01

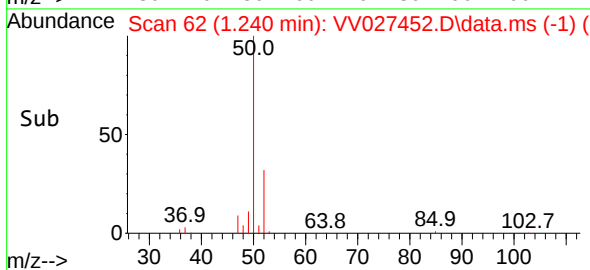
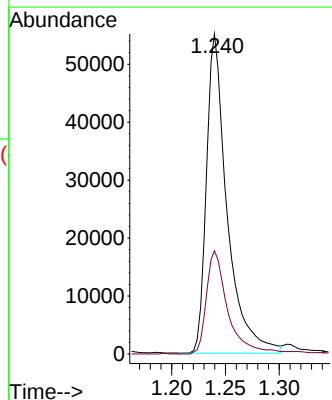
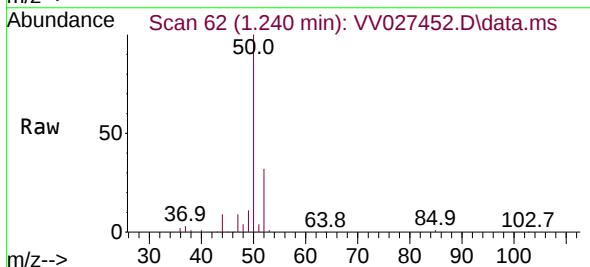
Instrument :
 MSVOA_V
 ClientSampleId :
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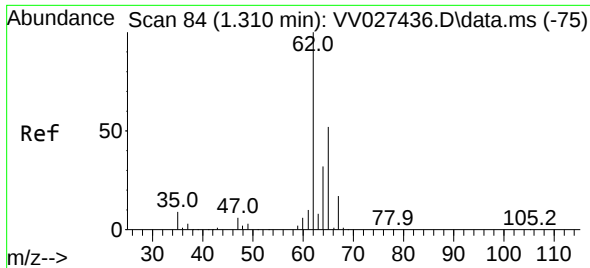
Tgt Ion: 85 Resp: 76400
 Ion Ratio Lower Upper
 85 100
 87 33.4 26.0 39.0



#3
 Chloromethane
 Concen: 5.395 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV027452.D
 Acq: 19 Aug 2022 20:01

Tgt Ion: 50 Resp: 73492
 Ion Ratio Lower Upper
 50 100
 52 32.2 22.8 42.4

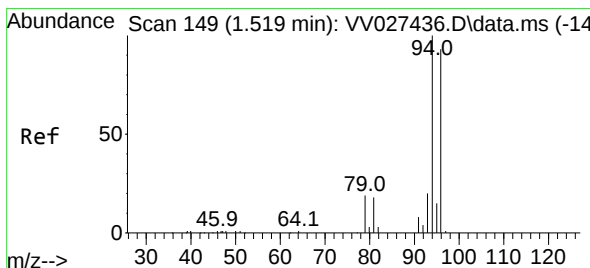
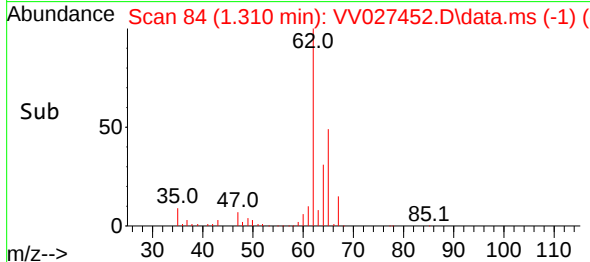
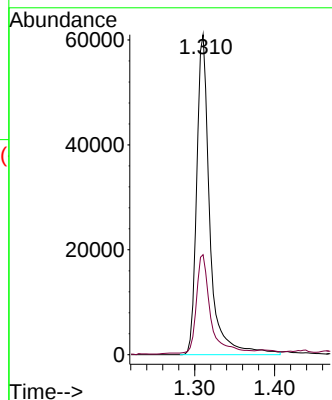
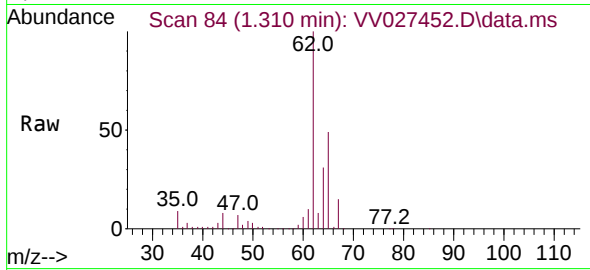




#5
 Vinyl chloride
 Concen: 5.104 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV027452.D
 Acq: 19 Aug 2022 20:01

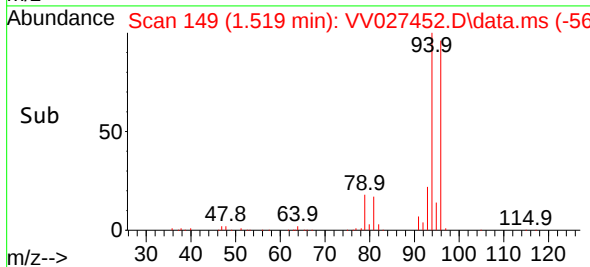
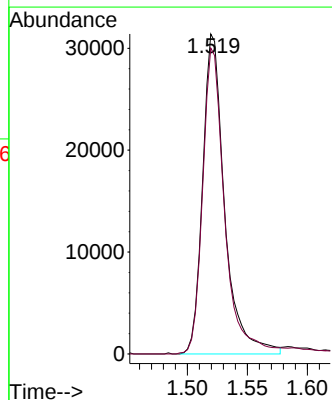
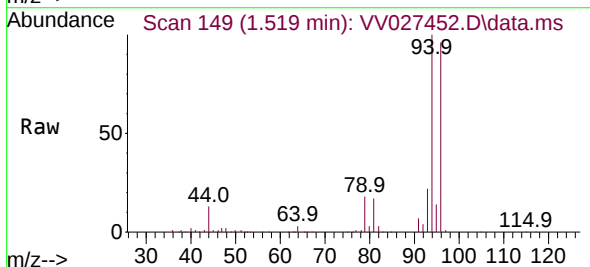
Instrument :
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 ClientSampleId :
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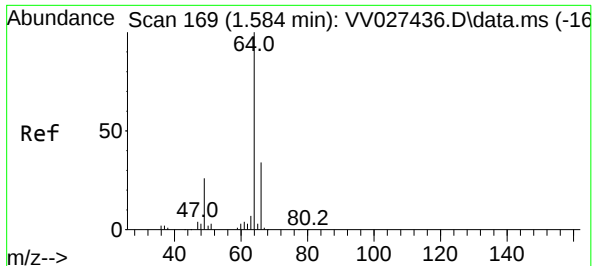
Tgt Ion: 62 Resp: 69993
 Ion Ratio Lower Upper
 62 100
 64 31.3 22.6 42.0



#6
 Bromomethane
 Concen: 5.929 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VV027452.D
 Acq: 19 Aug 2022 20:01

Tgt Ion: 94 Resp: 40204
 Ion Ratio Lower Upper
 94 100
 96 95.6 65.2 121.0

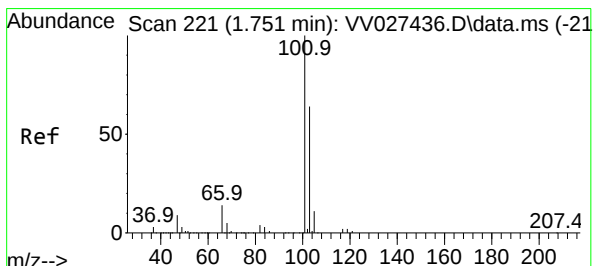
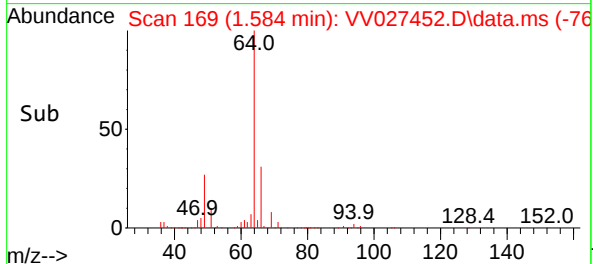
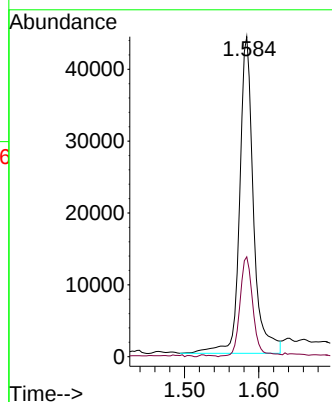
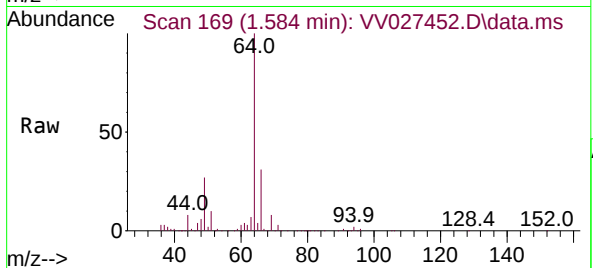




#8
Chloroethane
Concen: 7.110 ug/L
RT: 1.584 min Scan# 169
Delta R.T. 0.000 min
Lab File: VV027452.D
Acq: 19 Aug 2022 20:01

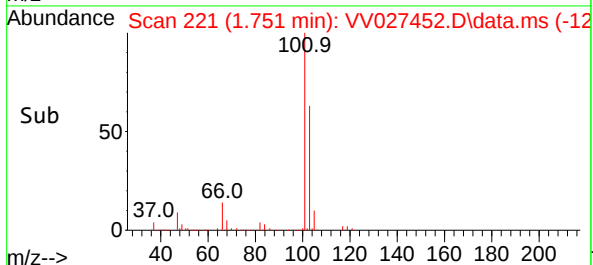
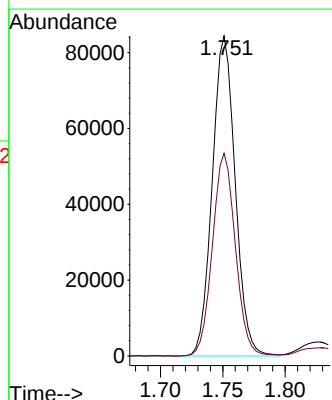
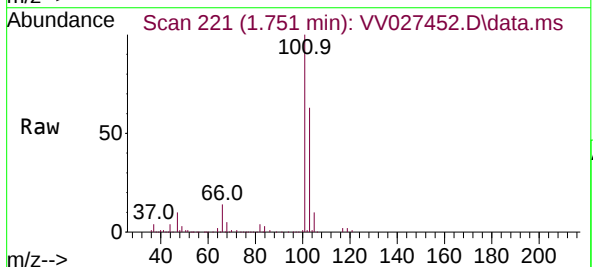
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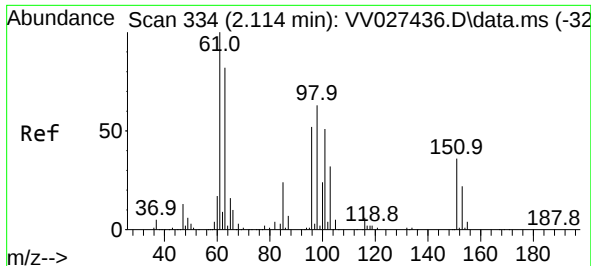
Tgt Ion: 64 Resp: 56978
Ion Ratio Lower Upper
64 100
66 31.2 23.3 43.3



#9
Trichlorofluoromethane
Concen: 4.967 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.000 min
Lab File: VV027452.D
Acq: 19 Aug 2022 20:01

Tgt Ion: 101 Resp: 108216
Ion Ratio Lower Upper
101 100
103 63.3 51.5 77.3

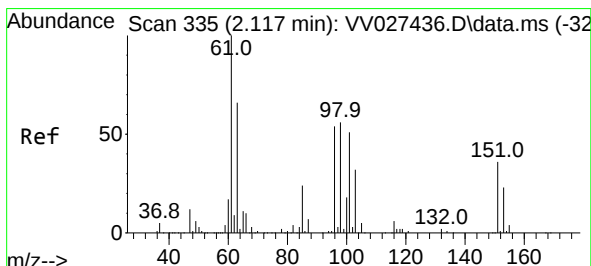
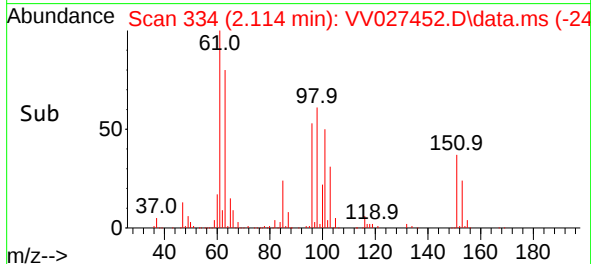
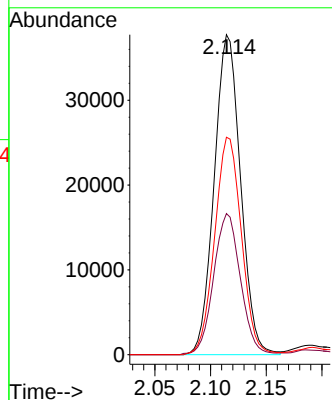
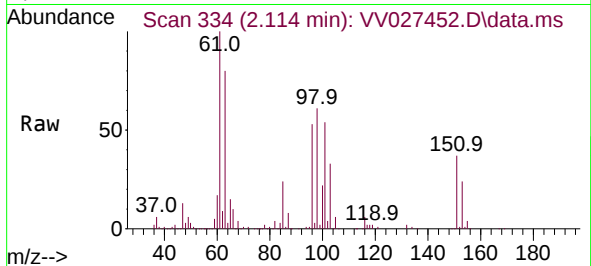




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.057 ug/L
 RT: 2.114 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VV027452.D
 Acq: 19 Aug 2022 20:01

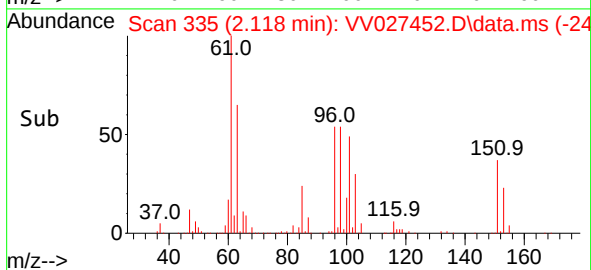
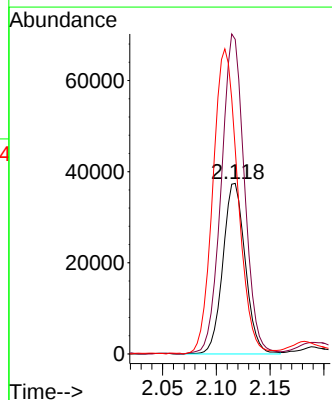
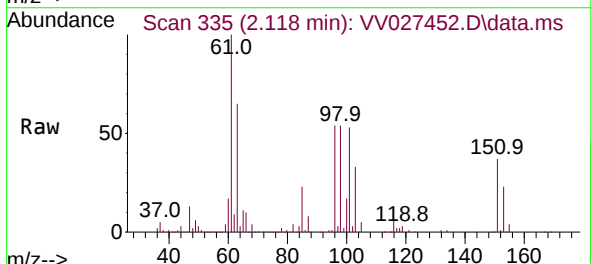
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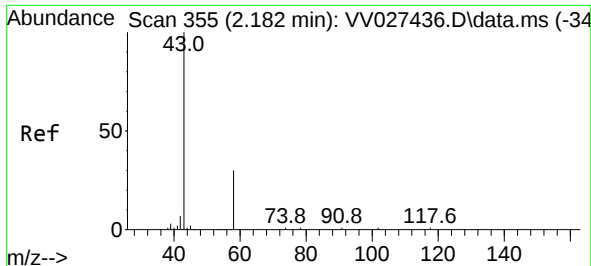
Tgt Ion:101 Resp: 62185
 Ion Ratio Lower Upper
 101 100
 85 44.7 35.3 52.9
 151 69.0 55.2 82.8



#12
 1,1-Dichloroethene
 Concen: 4.864 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV027452.D
 Acq: 19 Aug 2022 20:01

Tgt Ion: 96 Resp: 54101
 Ion Ratio Lower Upper
 96 100
 61 184.5 130.2 241.8
 63 120.1 87.4 162.4





#13

Acetone

Concen: 77.551 ug/L

RT: 2.179 min Scan# 3

Delta R.T. -0.003 min

Lab File: VV027452.D

Acq: 19 Aug 2022 20:01

Instrument :

MSVOA_V

ClientSampleId :

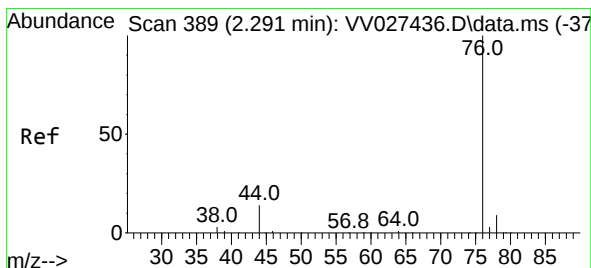
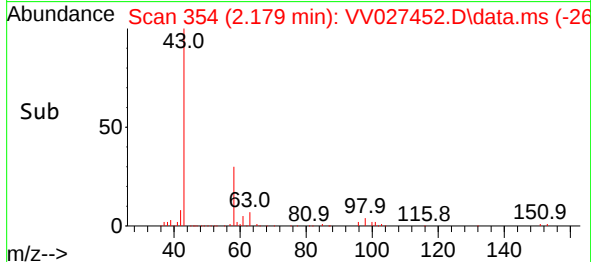
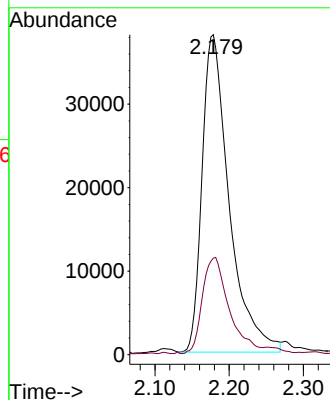
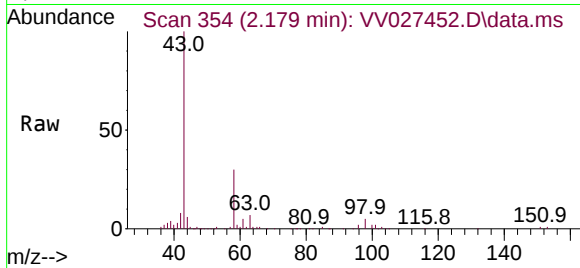
EX9E1MSD

Tgt Ion: 43 Resp: 96430

Ion Ratio Lower Upper

43 100

58 29.9 0.0 62.2



#14

Carbon disulfide

Concen: 4.994 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.000 min

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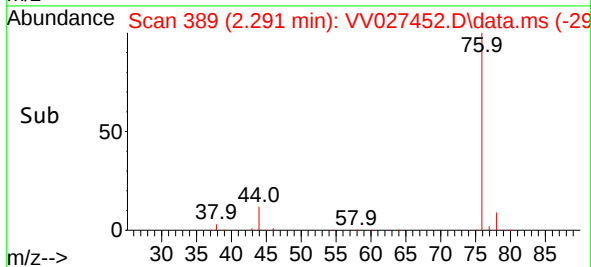
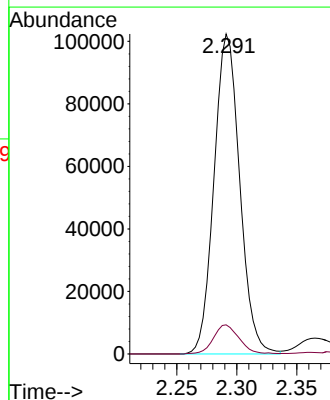
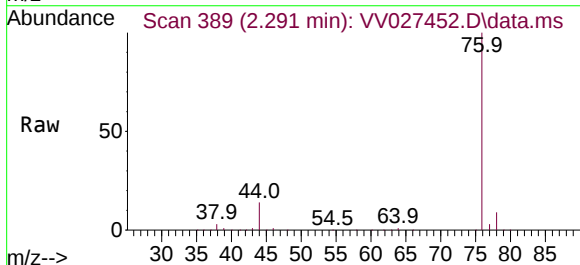
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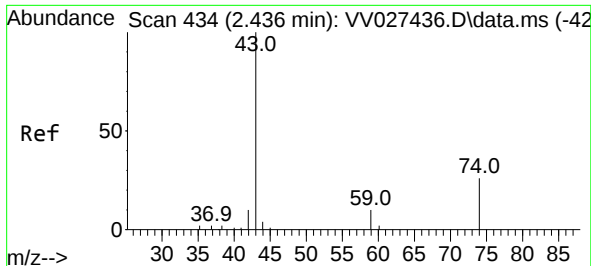
Tgt Ion: 76 Resp: 152440

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

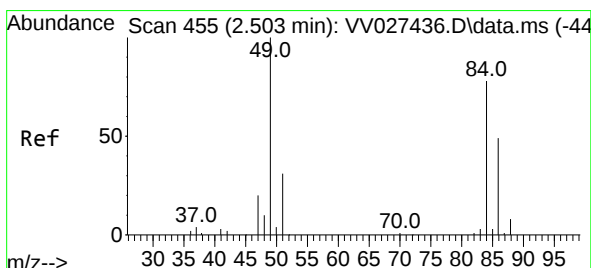
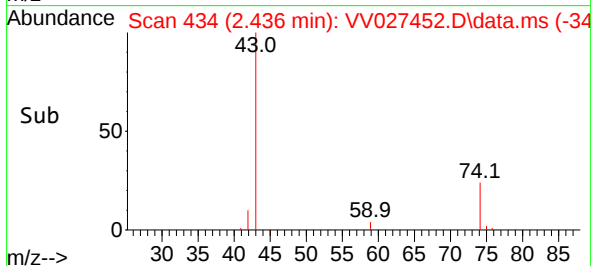
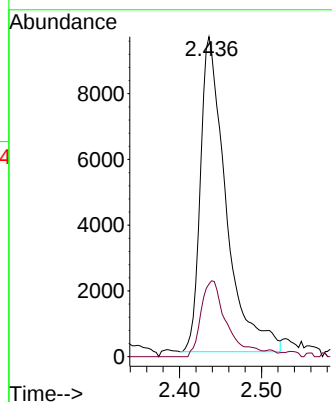
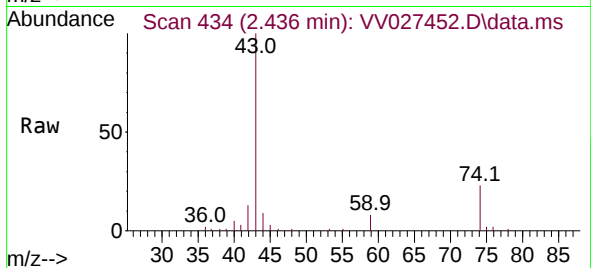




#15
Methyl Acetate
Concen: 6.041 ug/L
RT: 2.436 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV027452.D
Acq: 19 Aug 2022 20:01

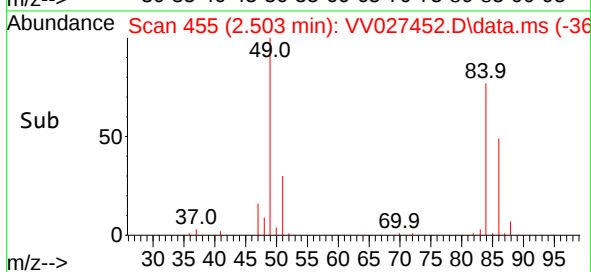
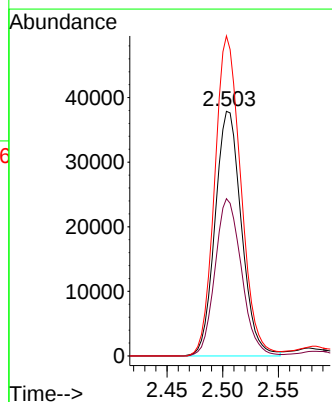
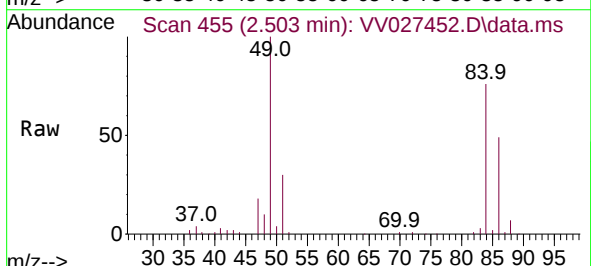
Instrument :
MSVOA_V
ClientSampleId :
EX9E1MSD

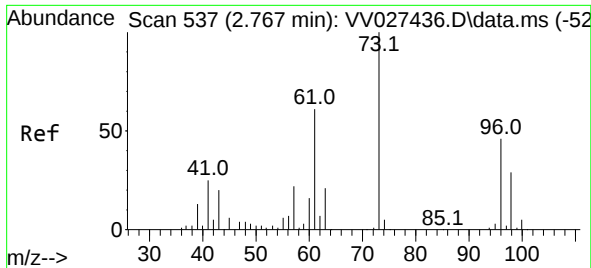
Tgt Ion: 43 Resp: 20804
Ion Ratio Lower Upper
43 100
74 24.3 16.3 24.5



#16
Methylene chloride
Concen: 3.725 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.000 min
Lab File: VV027452.D
Acq: 19 Aug 2022 20:01

Tgt Ion: 84 Resp: 62461
Ion Ratio Lower Upper
84 100
86 64.3 44.0 81.6
49 130.8 89.4 166.0

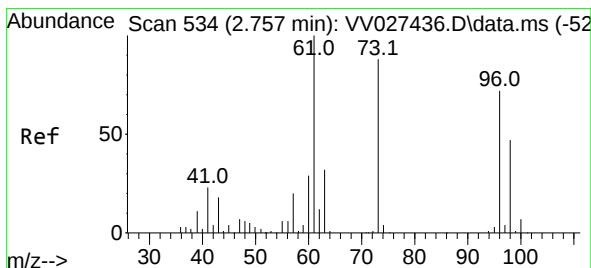
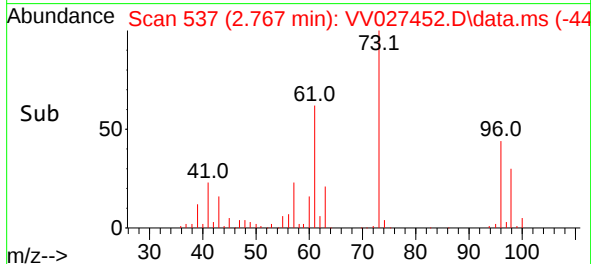
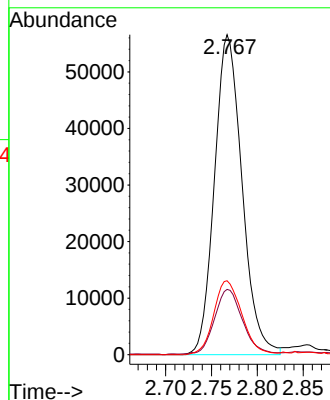
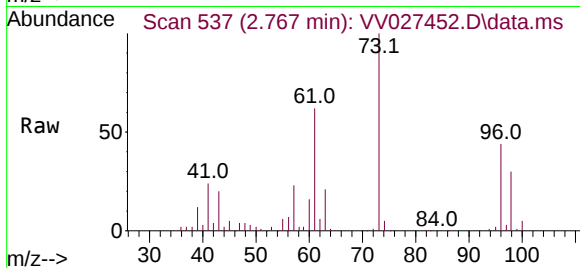




#17
Methyl tert-butyl Ether
Concen: 5.143 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV027452.D
Acq: 19 Aug 2022 20:01

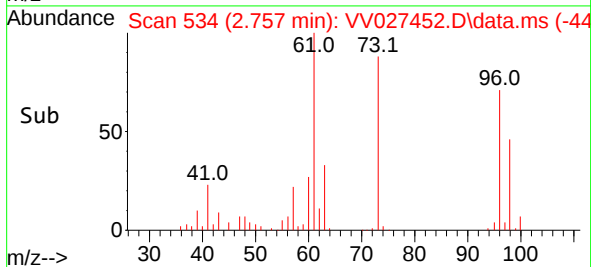
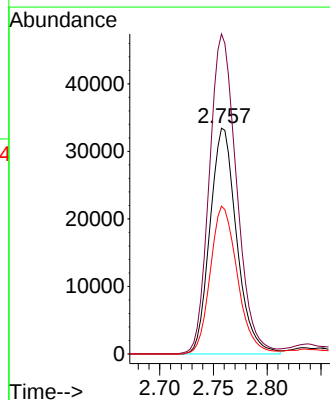
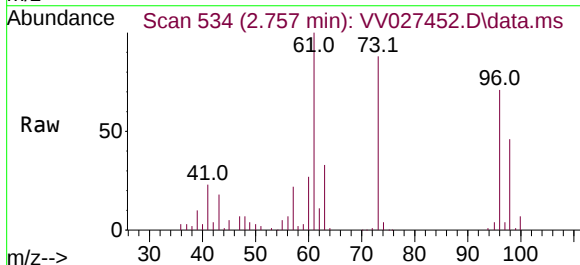
Instrument :
MSVOA_V
ClientSampleId :
EX9E1MSD

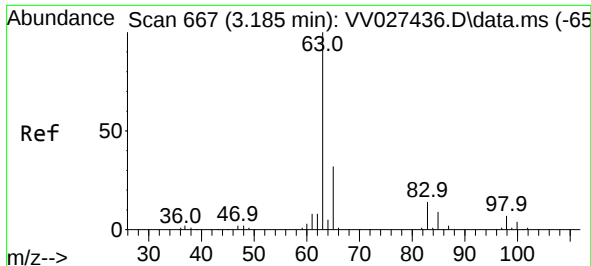
Tgt Ion: 73	Resp: 118357
Ion Ratio	Lower Upper
73 100	
43 20.3	15.6 23.4
57 23.6	17.0 25.6



#18
trans-1,2-Dichloroethene
Concen: 5.054 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.000 min
Lab File: VV027452.D
Acq: 19 Aug 2022 20:01

Tgt Ion: 96	Resp: 57908
Ion Ratio	Lower Upper
96 100	
61 141.8	97.6 181.4
98 65.5	45.9 85.3





#19

1,1-Dichloroethane

Concen: 5.127 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV027452.D

Acq: 19 Aug 2022 20:01

Instrument :

MSVOA_V

ClientSampleId :

EX9E1MSD

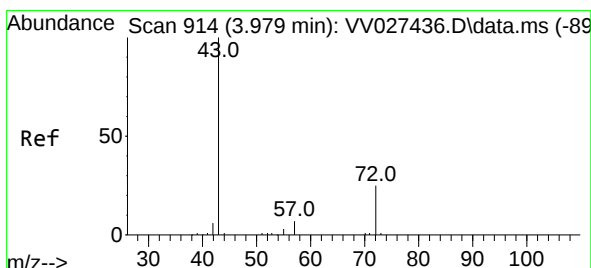
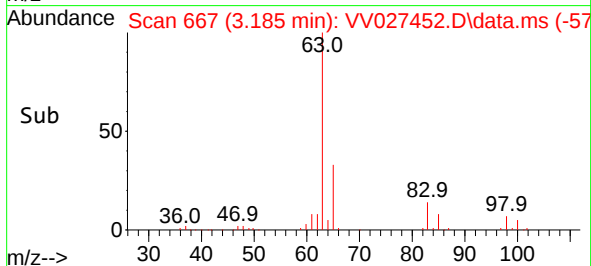
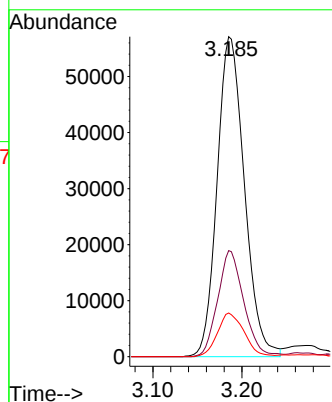
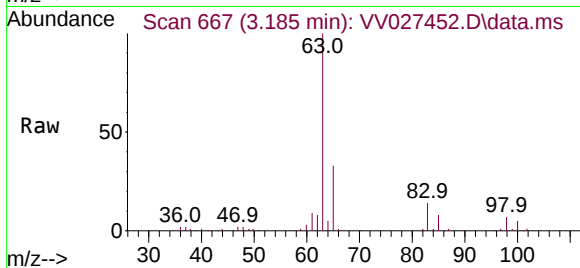
Tgt Ion: 63 Resp: 121632

Ion Ratio Lower Upper

63 100

65 33.2 22.1 41.1

83 13.7 9.6 17.8



#21

2-Butanone

Concen: 75.396 ug/L

RT: 3.973 min Scan# 912

Delta R.T. -0.006 min

Lab File: VV027452.D

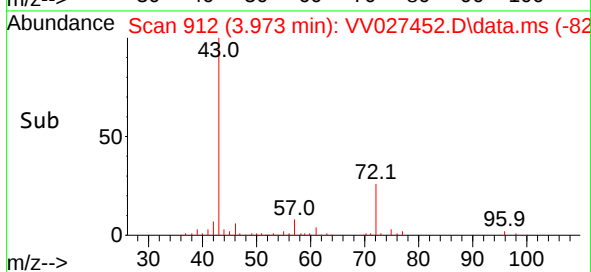
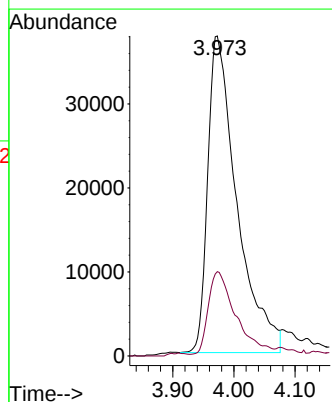
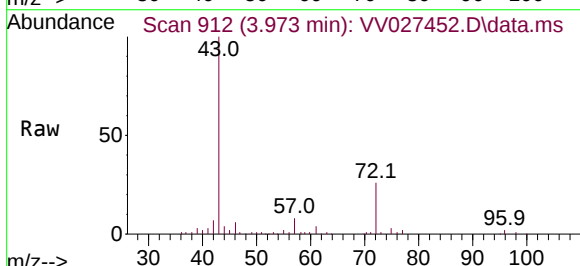
Acq: 19 Aug 2022 20:01

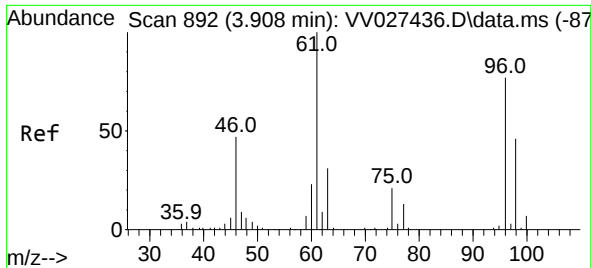
Tgt Ion: 43 Resp: 124765

Ion Ratio Lower Upper

43 100

72 24.6 12.0 36.1

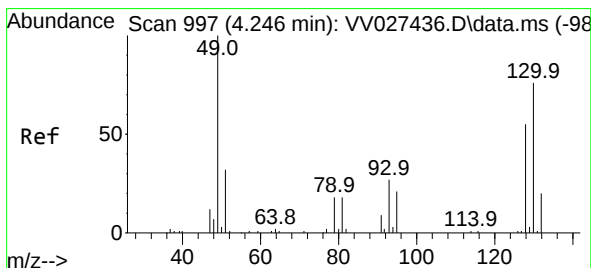
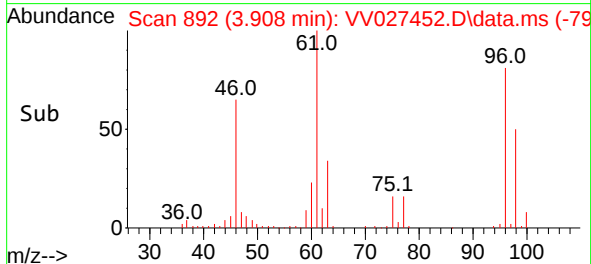
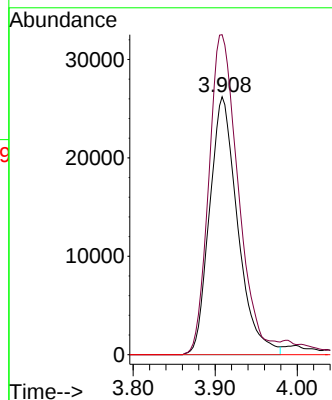
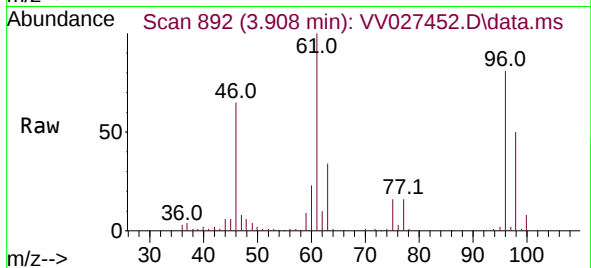




#22
 cis-1,2-Dichloroethene
 Concen: 5.119 ug/L
 RT: 3.908 min Scan# 892
 Delta R.T. 0.000 min
 Lab File: VV027452.D
 Acq: 19 Aug 2022 20:01

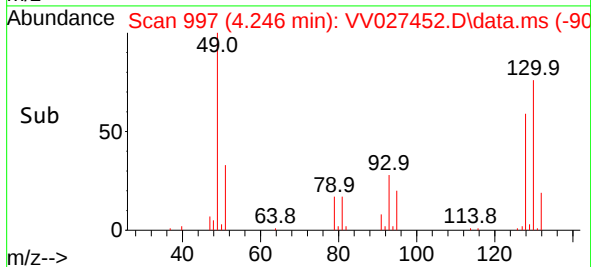
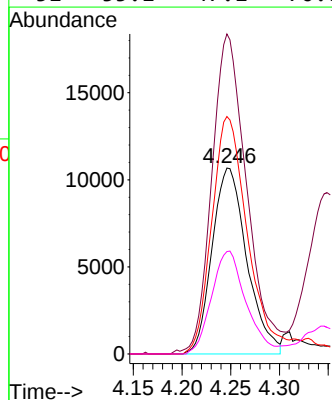
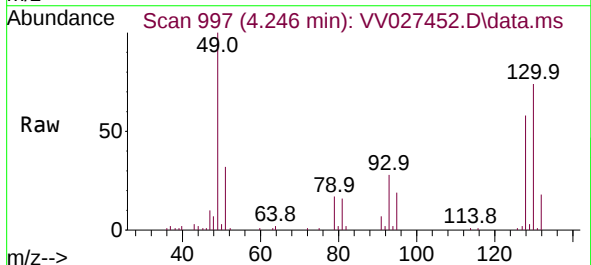
Instrument :
 MSVOA_V
 ClientSampleId :
 EX9E1MSD

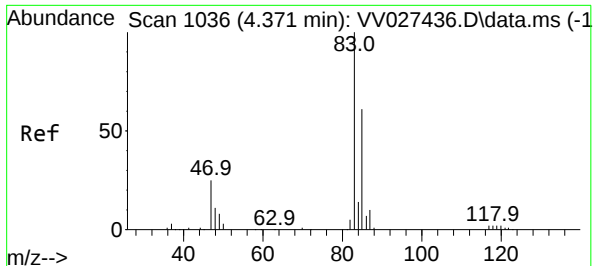
Tgt Ion: 96 Resp: 62507
 Ion Ratio Lower Upper
 96 100
 61 124.1 90.6 168.2
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.911 ug/L
 RT: 4.246 min Scan# 997
 Delta R.T. 0.000 min
 Lab File: VV027452.D
 Acq: 19 Aug 2022 20:01

Tgt Ion: 128 Resp: 26445
 Ion Ratio Lower Upper
 128 100
 49 172.1 127.5 236.7
 130 127.8 97.0 180.2
 51 55.1 47.1 70.7





#25

Chloroform

Concen: 4.960 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VV027452.D

Acq: 19 Aug 2022 20:01

Instrument :

MSVOA_V

ClientSampleId :

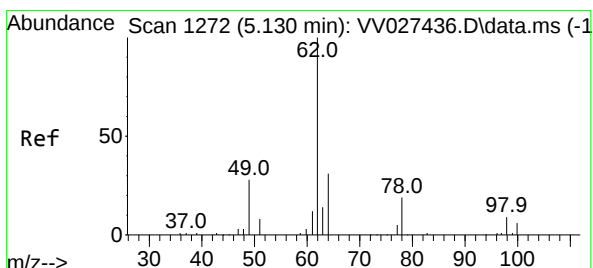
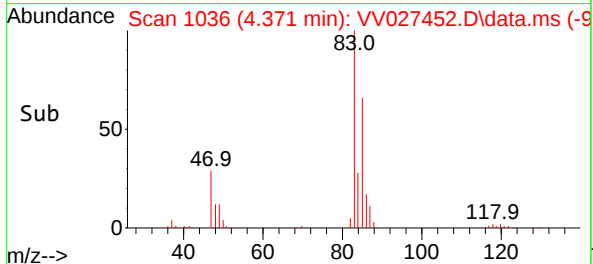
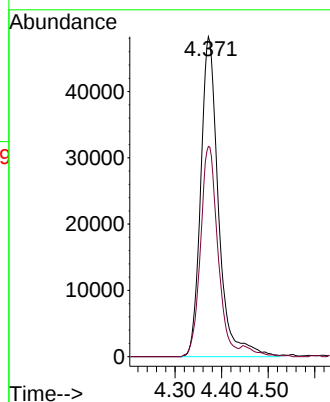
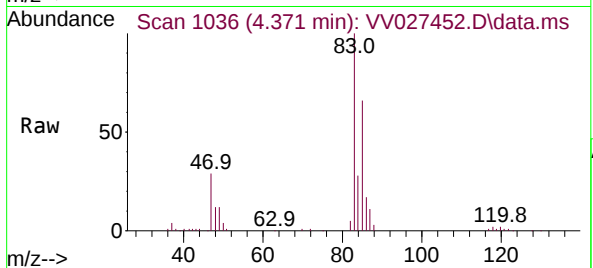
EX9E1MSD

Tgt Ion: 83 Resp: 127948

Ion Ratio Lower Upper

83 100

85 65.7 43.3 80.5



#27

1,2-Dichloroethane

Concen: 5.492 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VV027452.D

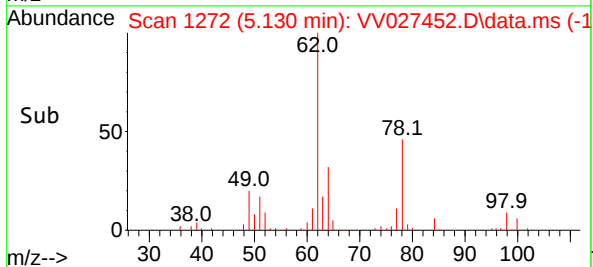
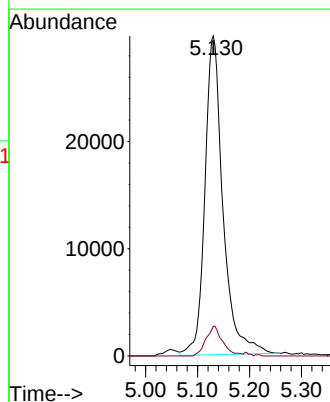
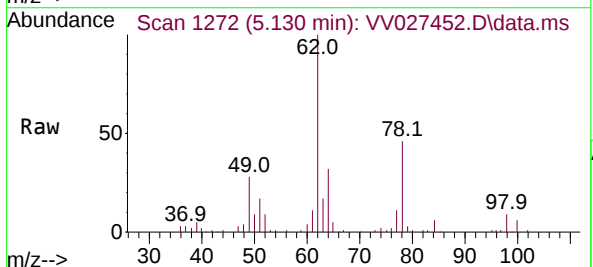
Acq: 19 Aug 2022 20:01

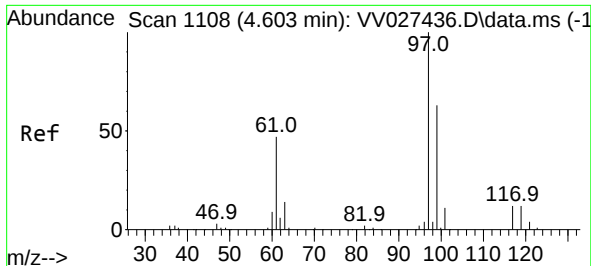
Tgt Ion: 62 Resp: 71978

Ion Ratio Lower Upper

62 100

98 9.2 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 4.854 ug/L

RT: 4.606 min Scan# 1108

Delta R.T. 0.003 min

Lab File: VV027452.D

Acq: 19 Aug 2022 20:01

Instrument :

MSVOA_V

ClientSampleId :

EX9E1MSD

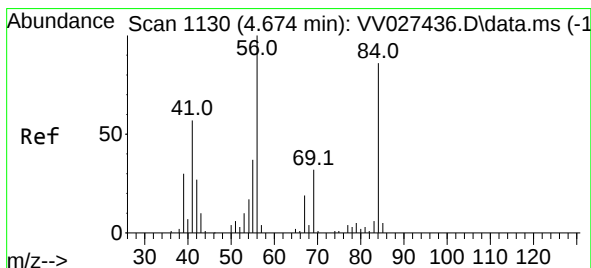
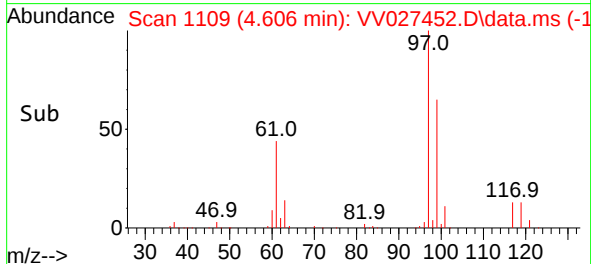
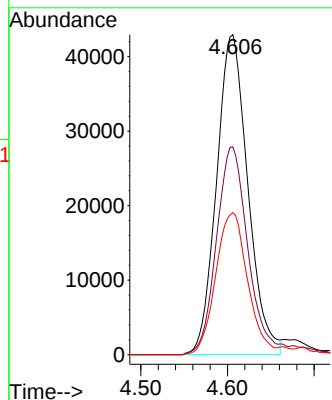
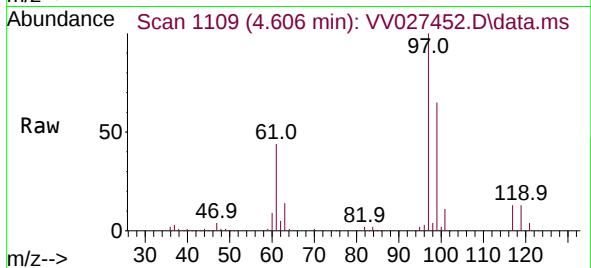
Tgt Ion: 97 Resp: 107913

Ion Ratio Lower Upper

97 100

99 65.5 51.1 76.7

61 45.2 35.9 53.9



#30

Cyclohexane

Concen: 4.982 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VV027452.D

Acq: 19 Aug 2022 20:01

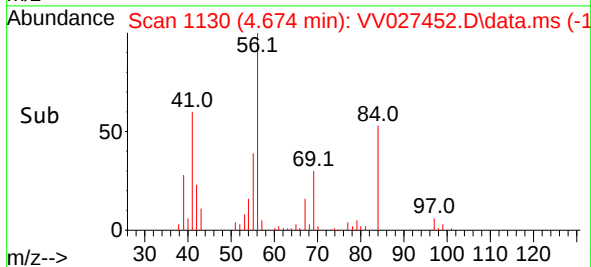
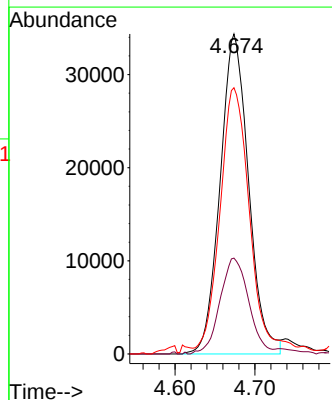
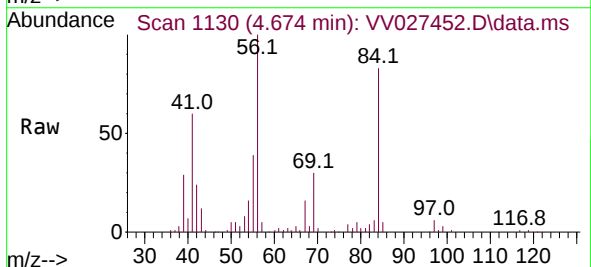
Tgt Ion: 56 Resp: 85010

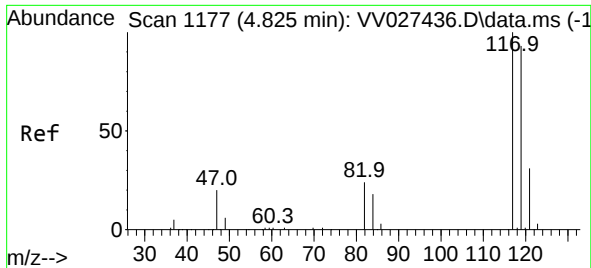
Ion Ratio Lower Upper

56 100

69 30.1 25.4 38.0

84 81.7 69.7 104.5

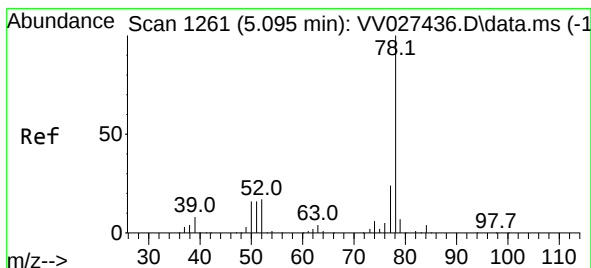
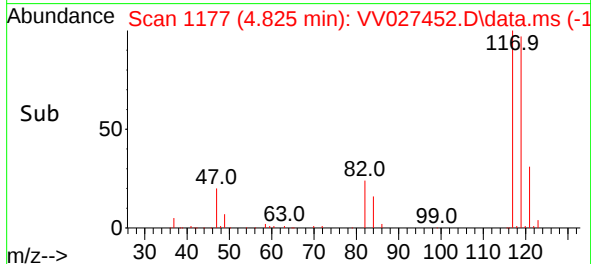
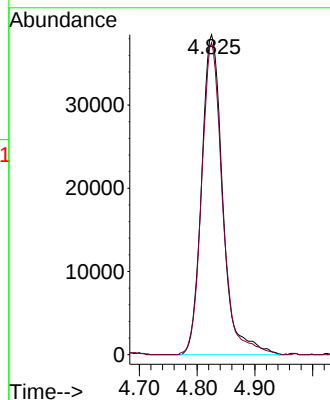
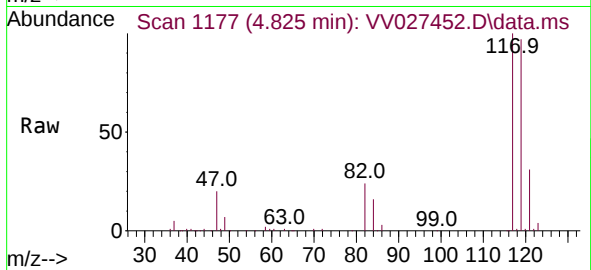




#31
Carbon tetrachloride
Concen: 5.062 ug/L
RT: 4.825 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VV027452.D
Acq: 19 Aug 2022 20:01

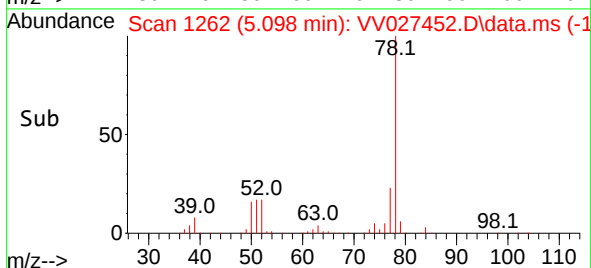
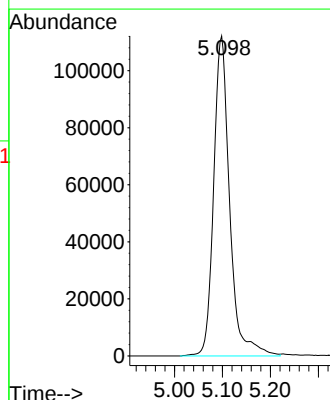
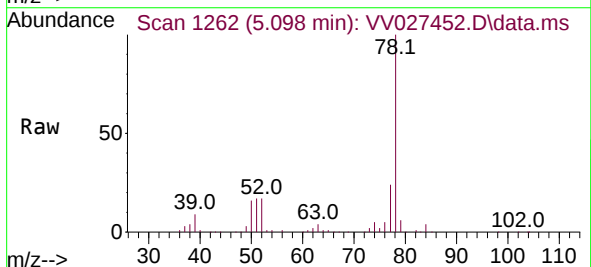
Instrument :
MSVOA_V
ClientSampleId :
EX9E1MSD

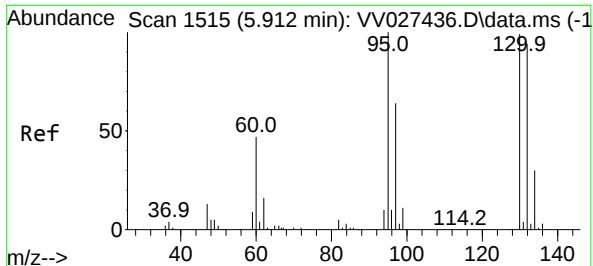
Tgt Ion:117 Resp: 97854
Ion Ratio Lower Upper
117 100
119 96.5 76.1 114.1



#33
Benzene
Concen: 5.394 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.003 min
Lab File: VV027452.D
Acq: 19 Aug 2022 20:01

Tgt Ion: 78 Resp: 259770



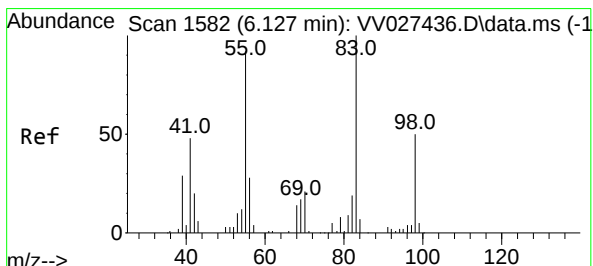
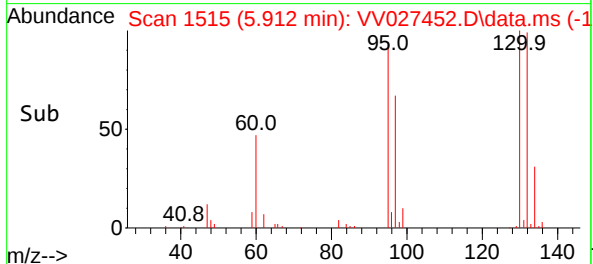
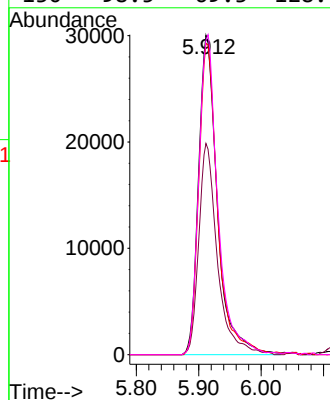
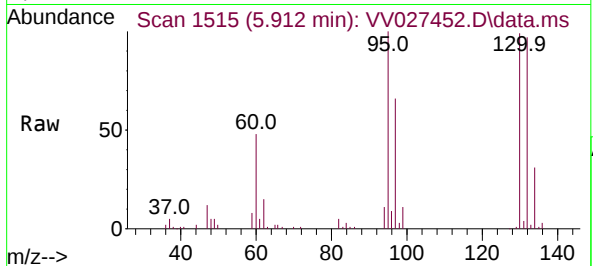


#34
Trichloroethene
Concen: 4.986 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. 0.000 min
Lab File: VV027452.D
Acq: 19 Aug 2022 20:01

Instrument :
MSVOA_V
ClientSampleId :
EX9E1MSD

Tgt Ion: 95 Resp: 63184

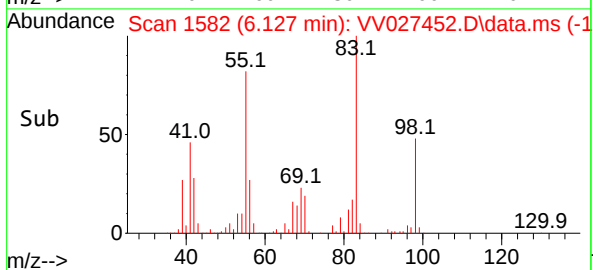
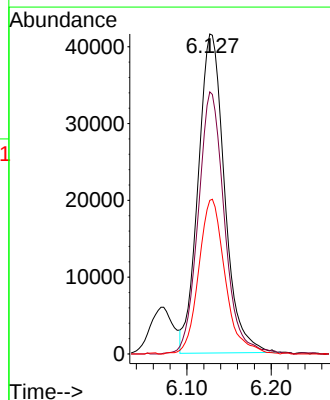
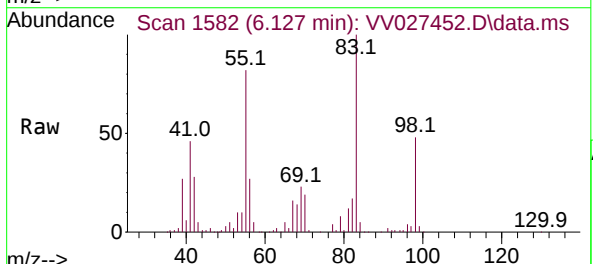
Ion	Ratio	Lower	Upper
95	100		
97	66.1	45.0	83.6
132	97.4	65.7	121.9
130	98.5	69.3	128.7

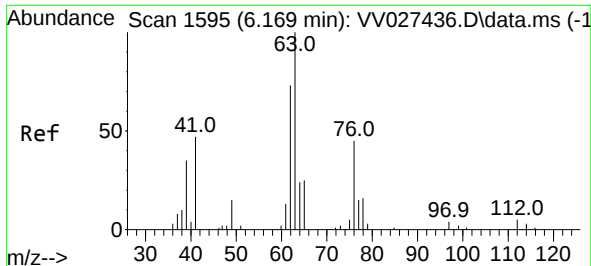


#35
Methylcyclohexane
Concen: 5.079 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.000 min
Lab File: VV027452.D
Acq: 19 Aug 2022 20:01

Tgt Ion: 83 Resp: 90517

Ion	Ratio	Lower	Upper
83	100		
55	81.9	68.2	102.4
98	48.6	39.0	58.4





#37

1,2-Dichloropropane

Concen: 5.260 ug/L

RT: 6.172 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV027452.D

Acq: 19 Aug 2022 20:01

Instrument :

MSVOA_V

ClientSampleId :

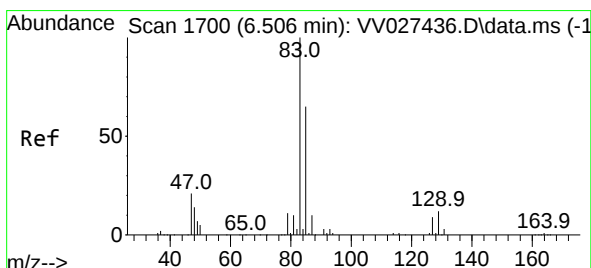
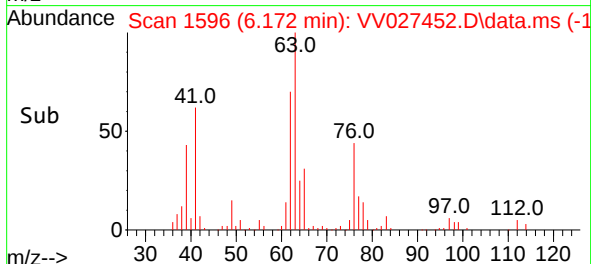
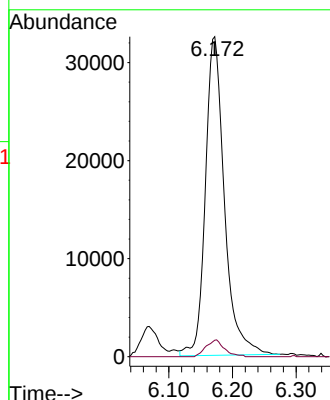
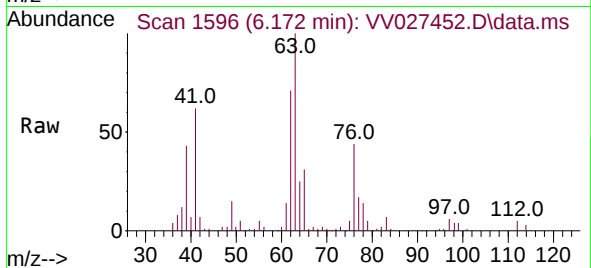
EX9E1MSD

Tgt Ion: 63 Resp: 67531

Ion Ratio Lower Upper

63 100

112 5.1 3.9 5.9



#38

Bromodichloromethane

Concen: 5.170 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VV027452.D

Acq: 19 Aug 2022 20:01

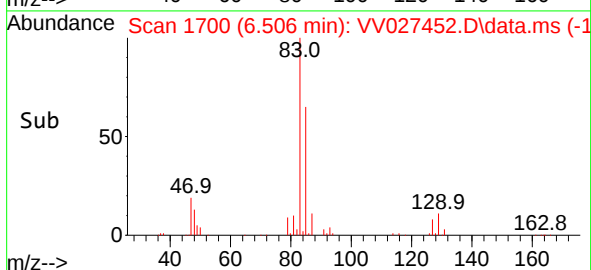
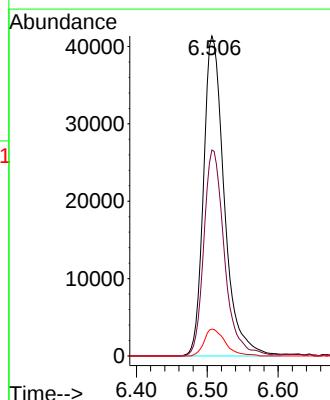
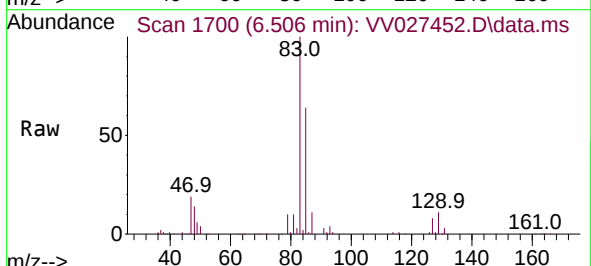
Tgt Ion: 83 Resp: 84146

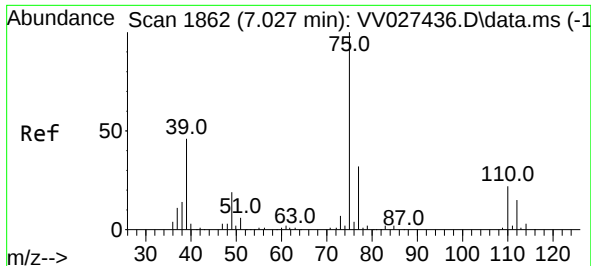
Ion Ratio Lower Upper

83 100

85 64.3 45.3 84.1

127 8.4 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.184 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.000 min

Lab File: VV027452.D

Acq: 19 Aug 2022 20:01

Instrument :

MSVOA_V

ClientSampleId :

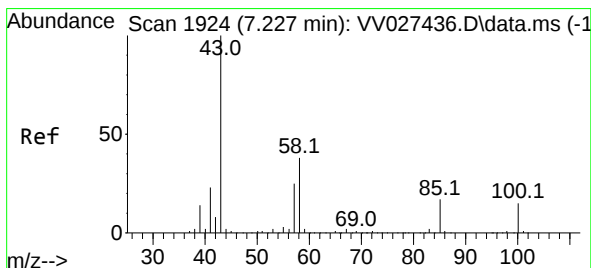
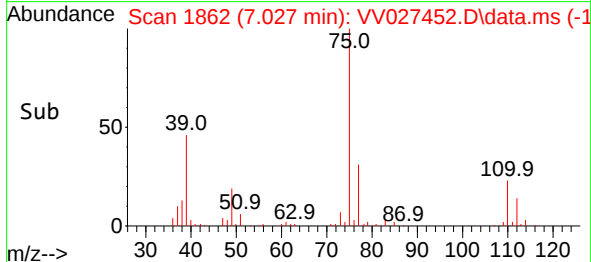
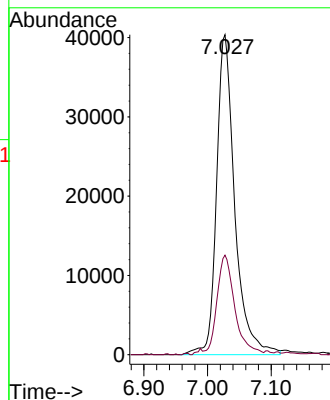
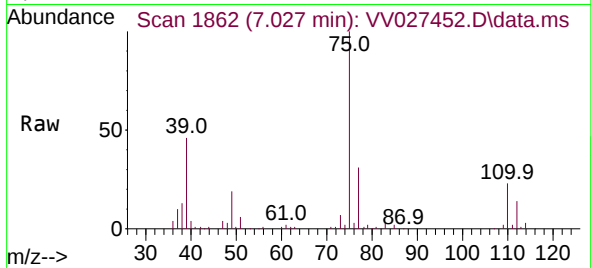
EX9E1MSD

Tgt Ion: 75 Resp: 80254

Ion Ratio Lower Upper

75 100

77 31.1 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 57.909 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VV027452.D

Acq: 19 Aug 2022 20:01

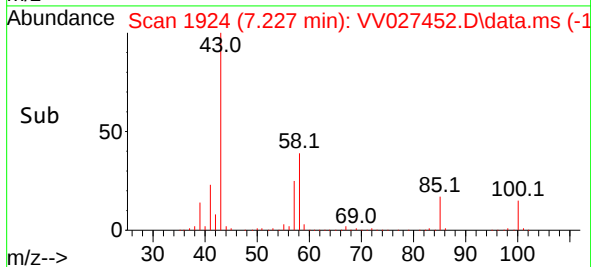
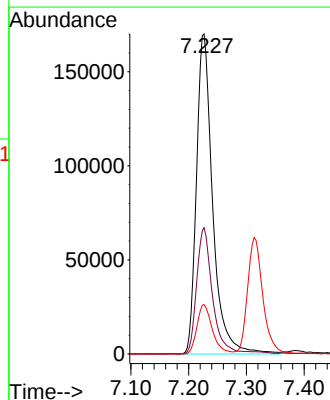
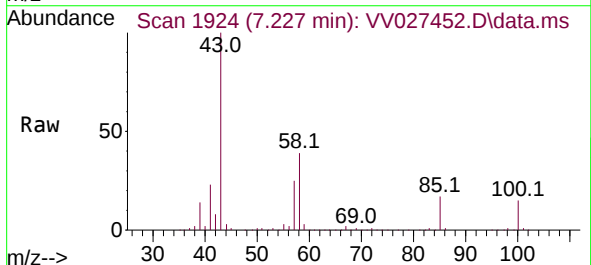
Tgt Ion: 43 Resp: 332163

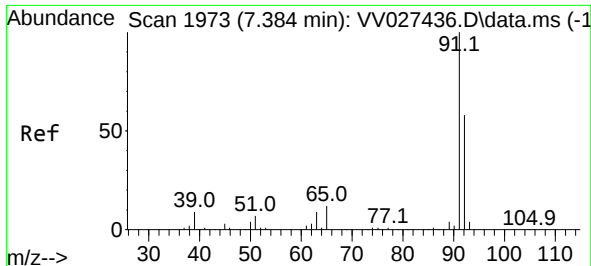
Ion Ratio Lower Upper

43 100

58 38.9 30.6 45.8

100 14.7 11.0 16.4





#42

Toluene

Concen: 5.588 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.000 min

Lab File: VV027452.D

Acq: 19 Aug 2022 20:01

Instrument :

MSVOA_V

ClientSampleId :

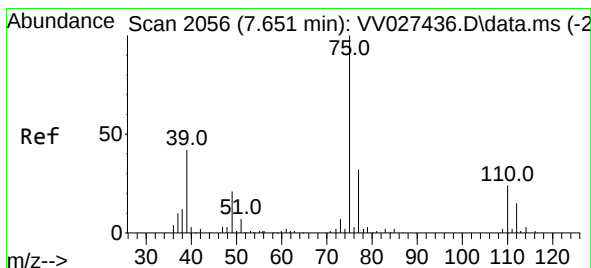
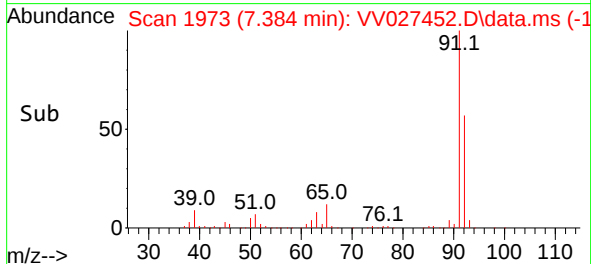
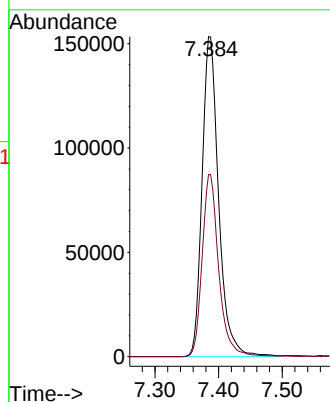
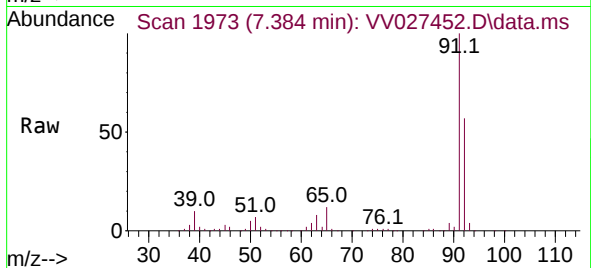
EX9E1MSD

Tgt Ion: 91 Resp: 277743

Ion Ratio Lower Upper

91 100

92 56.9 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 5.170 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VV027452.D

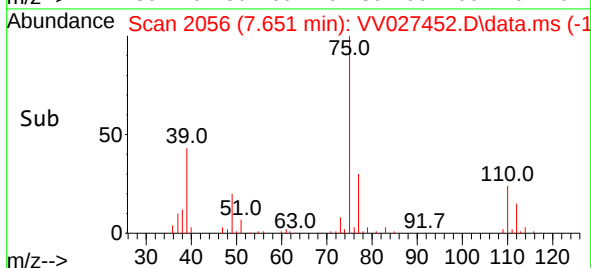
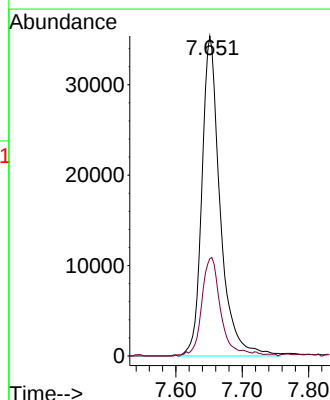
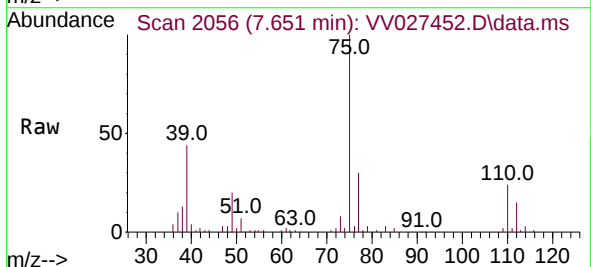
Acq: 19 Aug 2022 20:01

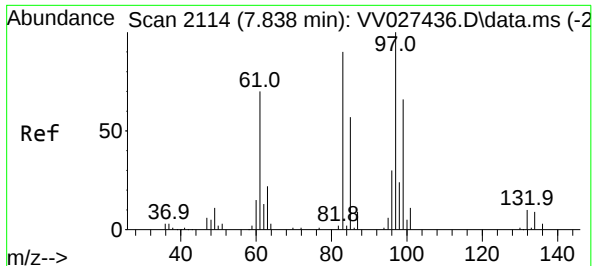
Tgt Ion: 75 Resp: 67656

Ion Ratio Lower Upper

75 100

77 30.5 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 5.270 ug/L

RT: 7.838 min Scan# 2114

Delta R.T. 0.000 min

Lab File: VV027452.D

Acq: 19 Aug 2022 20:01

Instrument :

MSVOA_V

ClientSampleId :

EX9E1MSD

Tgt Ion: 97 Resp: 43253

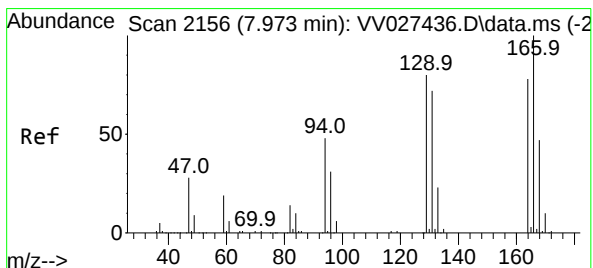
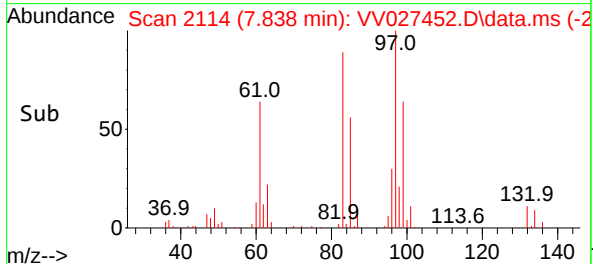
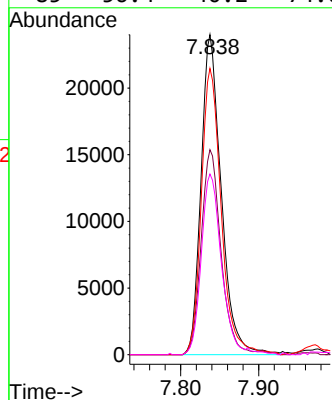
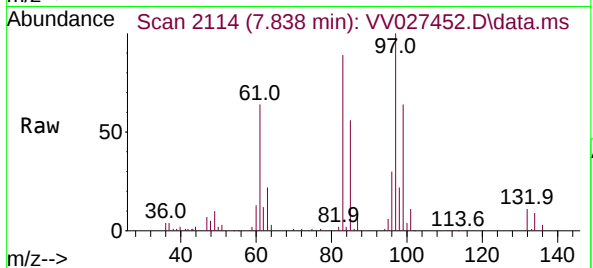
Ion Ratio Lower Upper

97 100

99 64.0 46.1 85.7

83 89.5 63.0 117.0

85 56.4 40.2 74.6



#47

Tetrachloroethene

Concen: 5.093 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.000 min

Lab File: VV027452.D

Acq: 19 Aug 2022 20:01

Tgt Ion:164 Resp: 50275

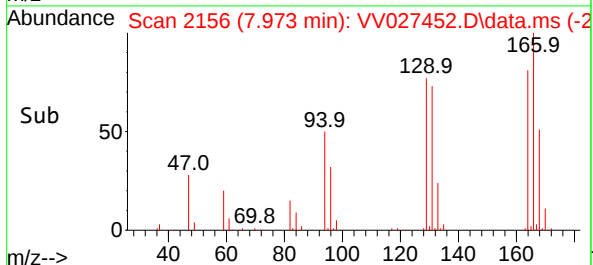
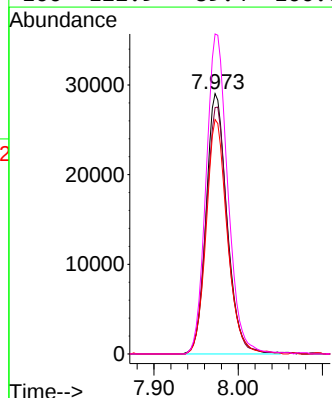
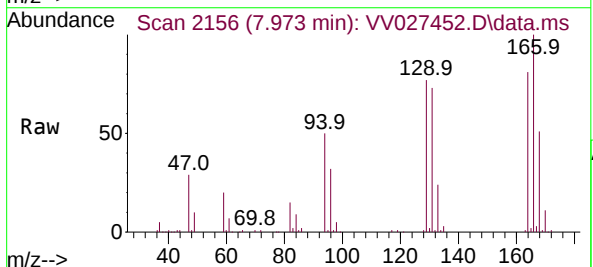
Ion Ratio Lower Upper

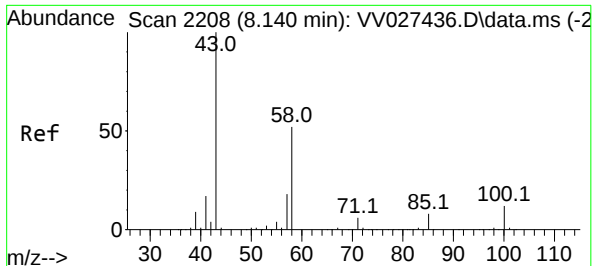
164 100

129 94.7 71.1 132.1

131 90.1 64.5 119.9

166 122.9 89.4 166.0

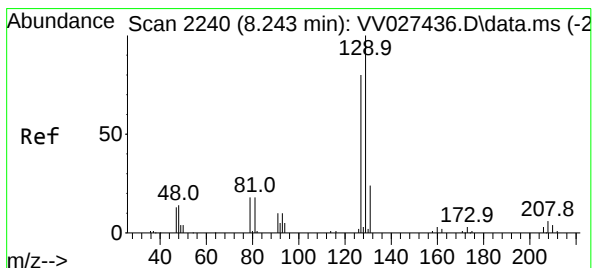
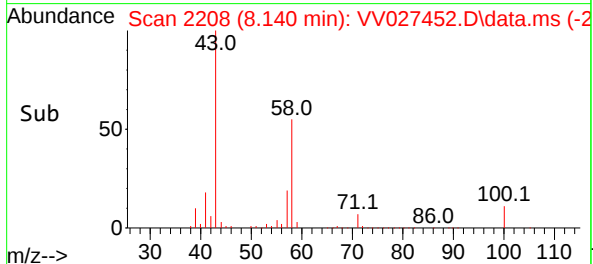
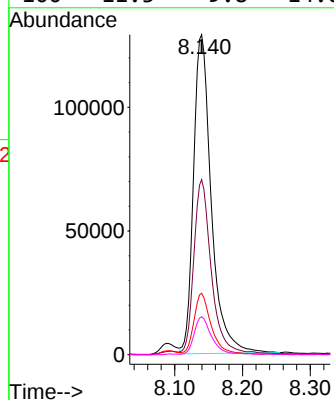
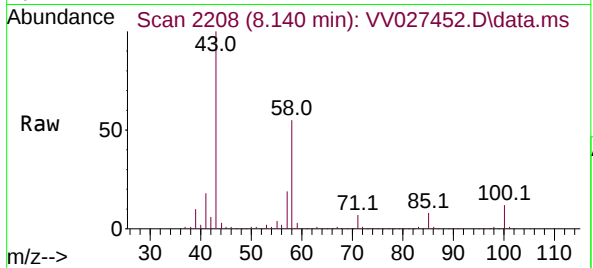




#48
2-Hexanone
Concen: 56.971 ug/L
RT: 8.140 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV027452.D
Acq: 19 Aug 2022 20:01

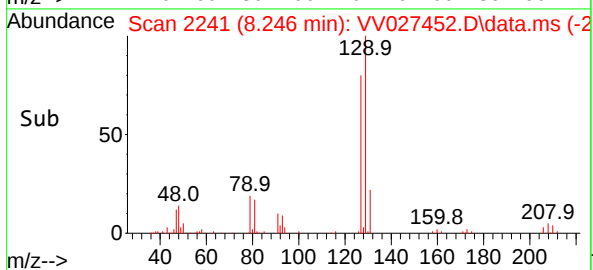
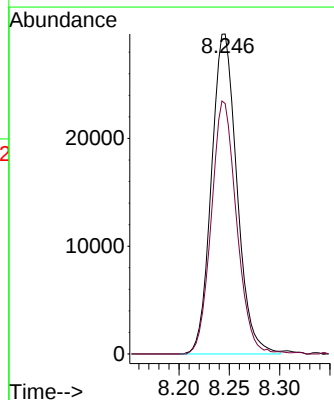
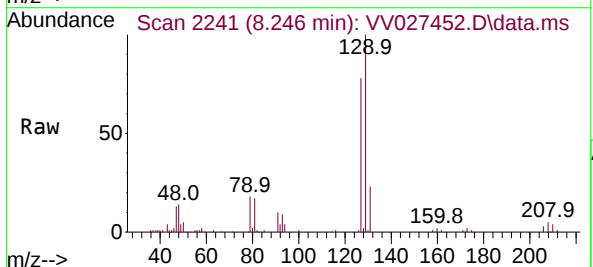
Instrument :
MSVOA_V
ClientSampleId :
EX9E1MSD

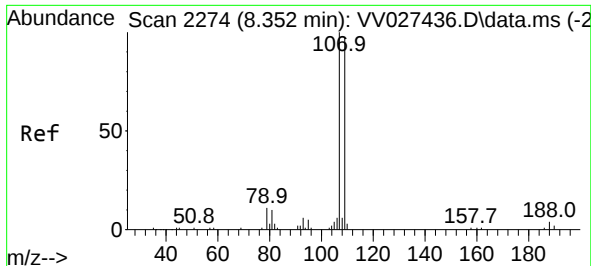
Tgt Ion: 43 Resp: 235473
Ion Ratio Lower Upper
43 100
58 54.6 41.3 61.9
57 18.7 14.9 22.3
100 11.3 9.8 14.6



#49
Dibromochloromethane
Concen: 5.188 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.003 min
Lab File: VV027452.D
Acq: 19 Aug 2022 20:01

Tgt Ion: 129 Resp: 52366
Ion Ratio Lower Upper
129 100
127 78.3 55.9 103.7





#50

1,2-Dibromoethane

Concen: 5.447 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV027452.D

Acq: 19 Aug 2022 20:01

Instrument :

MSVOA_V

ClientSampleId :

EX9E1MSD

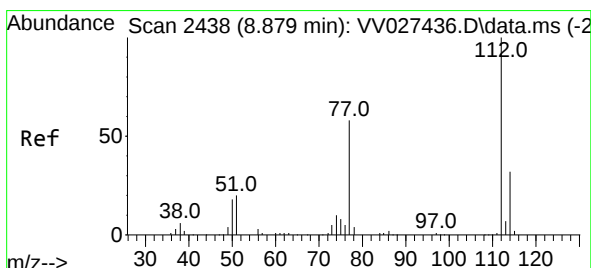
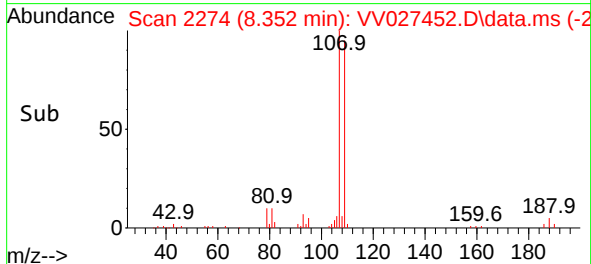
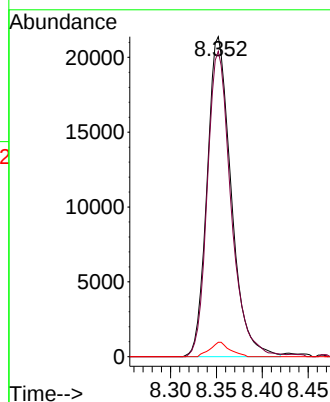
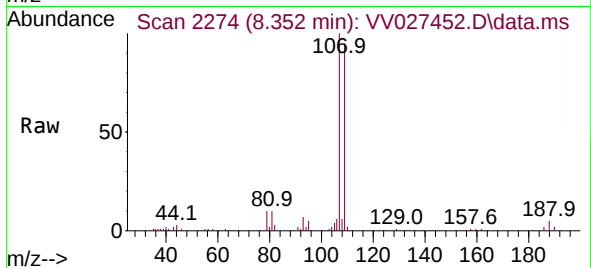
Tgt Ion:107 Resp: 39020

Ion Ratio Lower Upper

107 100

109 95.4 67.8 125.8

188 4.5 3.5 5.3



#51

Chlorobenzene

Concen: 5.295 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.000 min

Lab File: VV027452.D

Acq: 19 Aug 2022 20:01

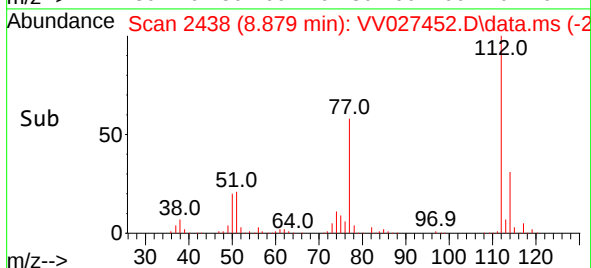
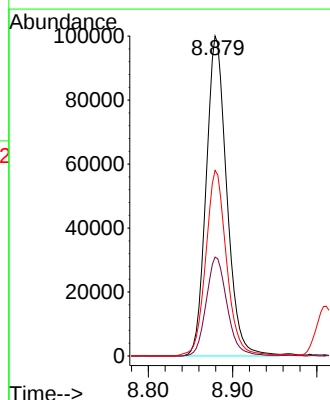
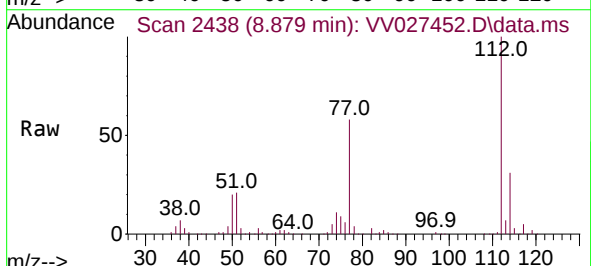
Tgt Ion:112 Resp: 170335

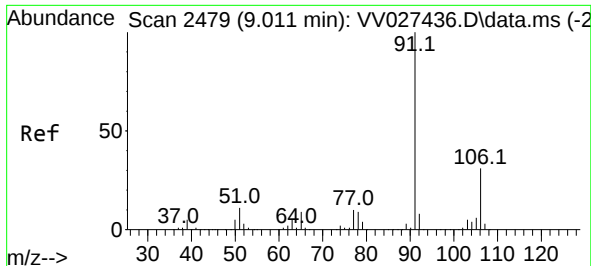
Ion Ratio Lower Upper

112 100

114 30.9 22.7 42.1

77 58.0 46.2 69.4

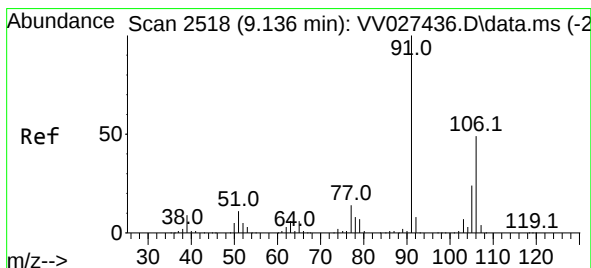
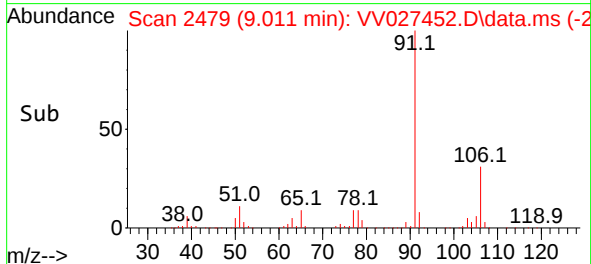
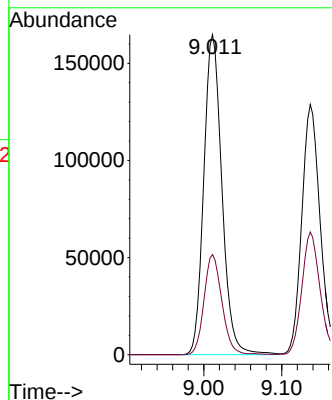
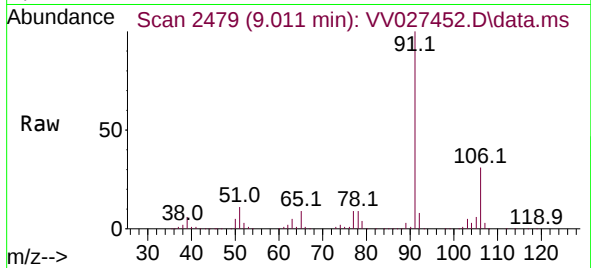




#52
Ethylbenzene
Concen: 5.251 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.000 min
Lab File: VV027452.D
Acq: 19 Aug 2022 20:01

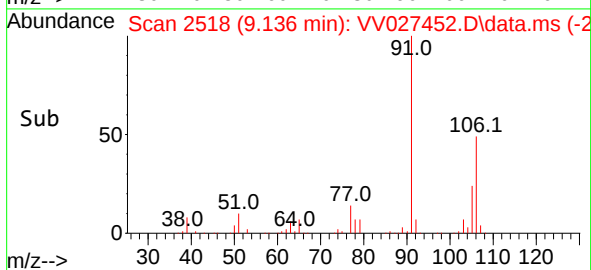
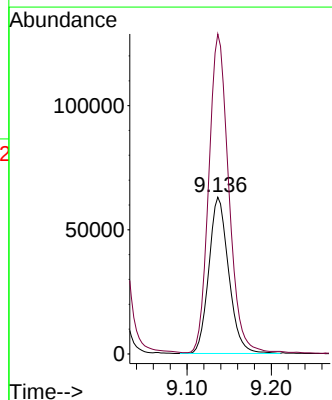
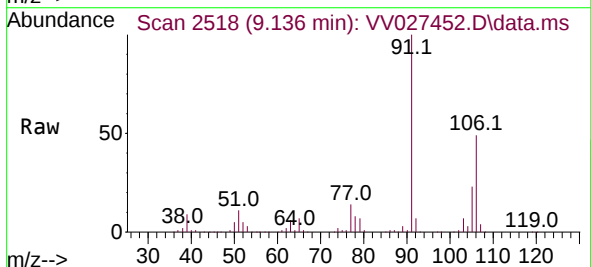
Instrument :
MSVOA_V
ClientSampleId :
EX9E1MSD

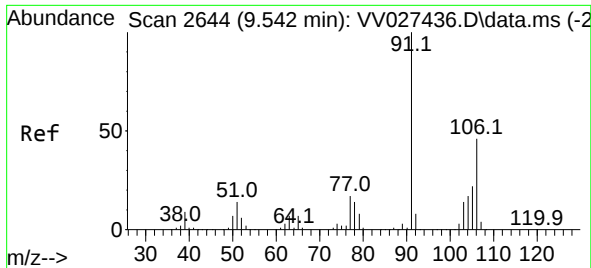
Tgt Ion: 91 Resp: 266401
Ion Ratio Lower Upper
91 100
106 31.3 21.4 39.8



#53
m,p-Xylene
Concen: 5.311 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV027452.D
Acq: 19 Aug 2022 20:01

Tgt Ion: 106 Resp: 103119
Ion Ratio Lower Upper
106 100
91 204.0 143.8 267.0

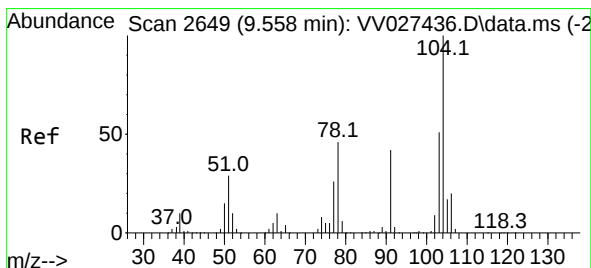
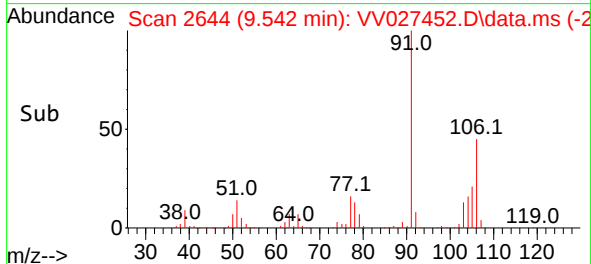
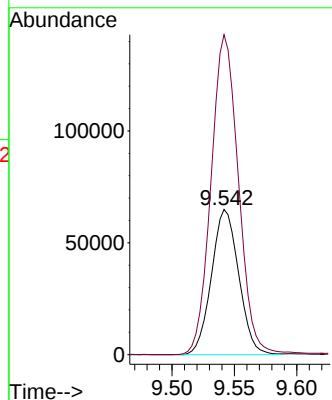
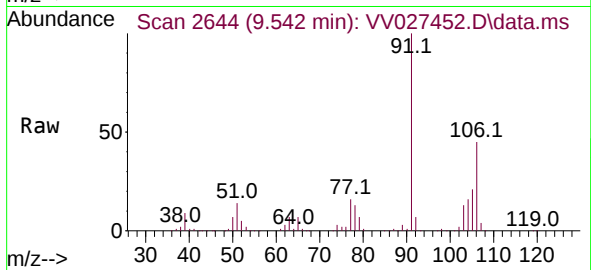




#54
o-Xylene
Concen: 5.249 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV027452.D
Acq: 19 Aug 2022 20:01

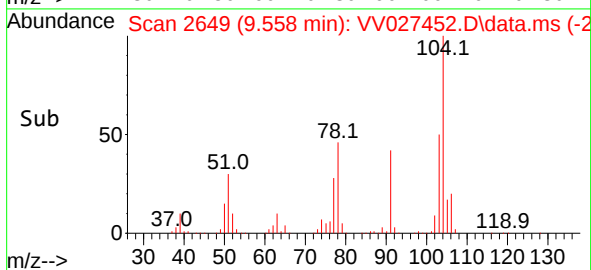
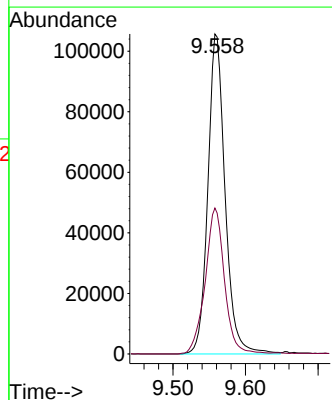
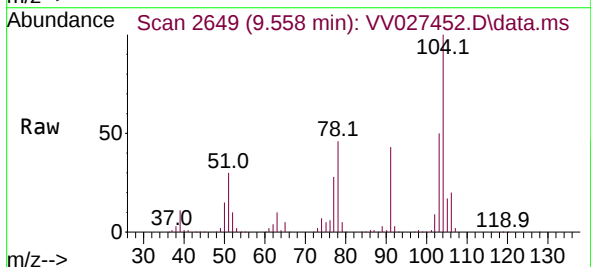
Instrument :
MSVOA_V
ClientSampleId :
EX9E1MSD

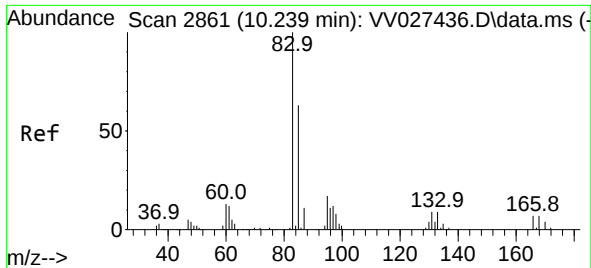
Tgt Ion:106 Resp: 98852
Ion Ratio Lower Upper
106 100
91 220.3 151.6 281.6



#55
Styrene
Concen: 5.444 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV027452.D
Acq: 19 Aug 2022 20:01

Tgt Ion:104 Resp: 174413
Ion Ratio Lower Upper
104 100
78 45.6 32.0 59.4

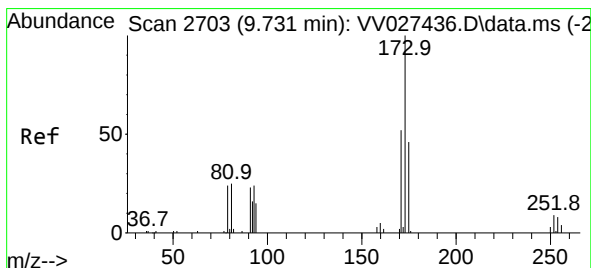
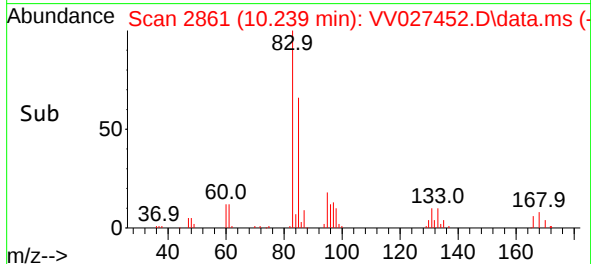
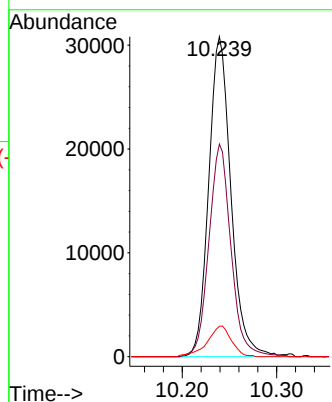
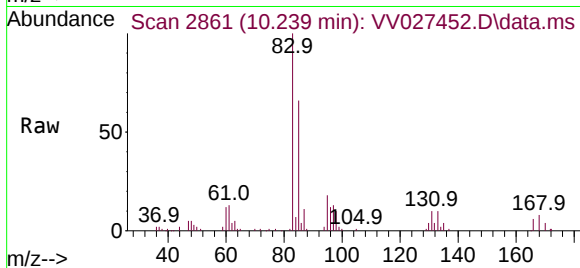




#57
1,1,2,2-Tetrachloroethane
Concen: 5.429 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. 0.000 min
Lab File: VV027452.D
Acq: 19 Aug 2022 20:01

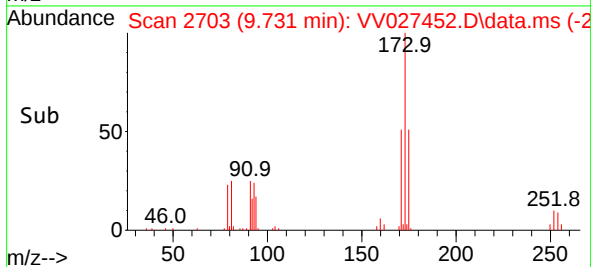
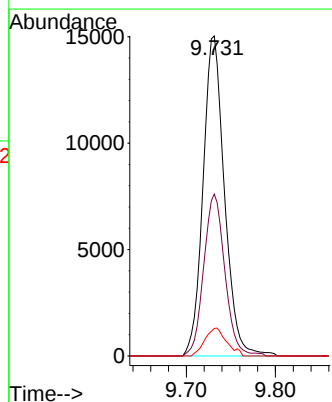
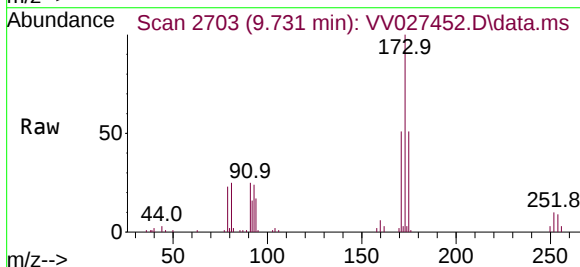
Instrument :
MSVOA_V
ClientSampleId :
EX9E1MSD

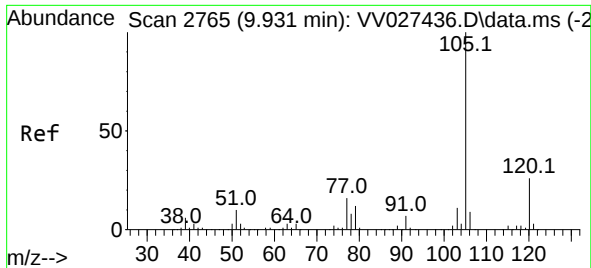
Tgt Ion:	83	Resp:	50189
Ion Ratio	Lower	Upper	
83	100		
85	66.4	44.1	81.9
131	9.5	7.3	10.9



#59
Bromoform
Concen: 4.875 ug/L
RT: 9.731 min Scan# 2703
Delta R.T. 0.000 min
Lab File: VV027452.D
Acq: 19 Aug 2022 20:01

Tgt Ion:	173	Resp:	25085
Ion Ratio	Lower	Upper	
173	100		
175	49.9	39.0	58.6
254	8.8	7.1	10.7

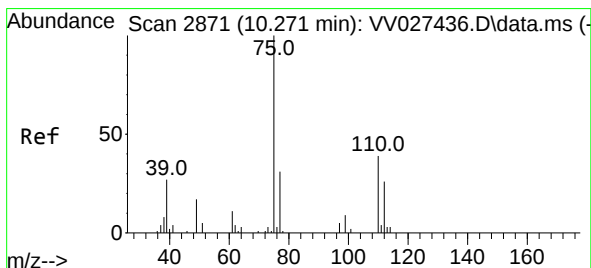
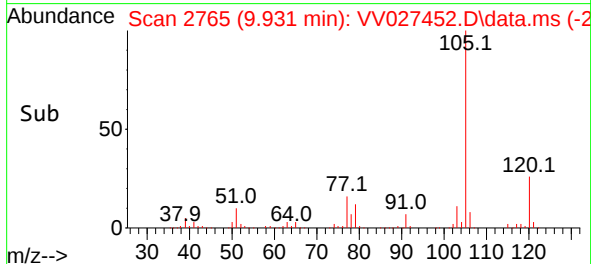
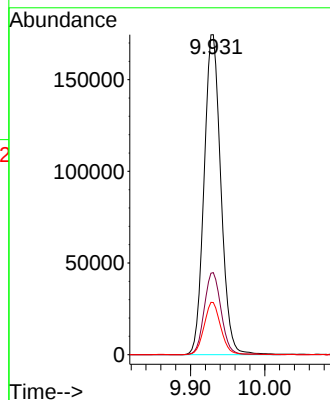
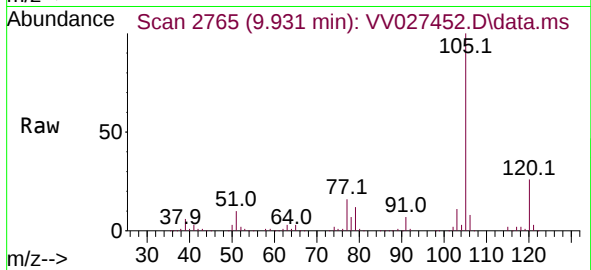




#60
Isopropylbenzene
Concen: 5.414 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.000 min
Lab File: VV027452.D
Acq: 19 Aug 2022 20:01

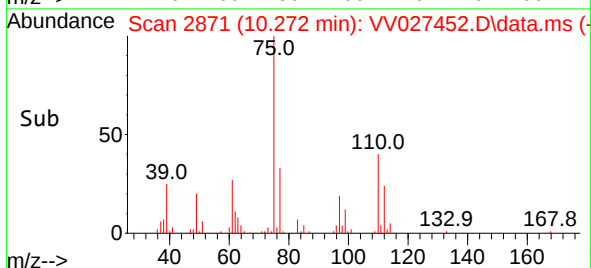
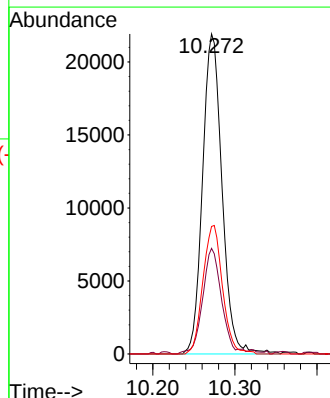
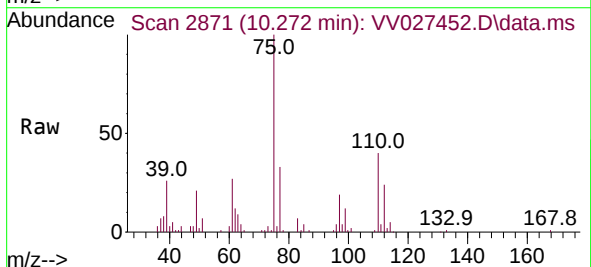
Instrument :
MSVOA_V
ClientSampleId :
EX9E1MSD

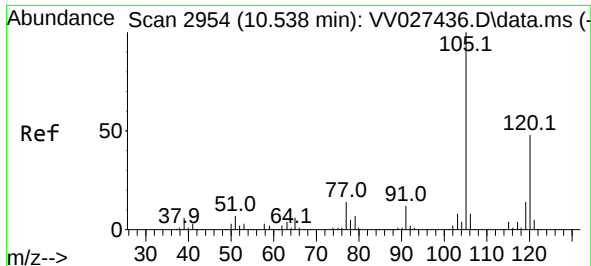
Tgt Ion:105 Resp: 273473
Ion Ratio Lower Upper
105 100
120 25.9 20.9 31.3
77 16.3 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 5.360 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV027452.D
Acq: 19 Aug 2022 20:01

Tgt Ion: 75 Resp: 36101
Ion Ratio Lower Upper
75 100
77 32.0 26.2 39.2
110 40.5 29.9 44.9





#62

1,3,5-Trimethylbenzene

Concen: 5.049 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV027452.D

Acq: 19 Aug 2022 20:01

Instrument :

MSVOA_V

ClientSampleId :

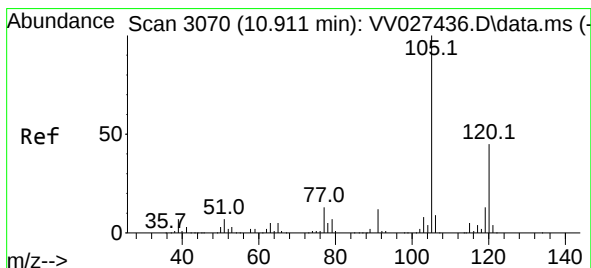
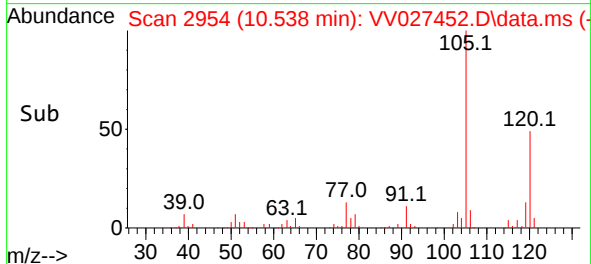
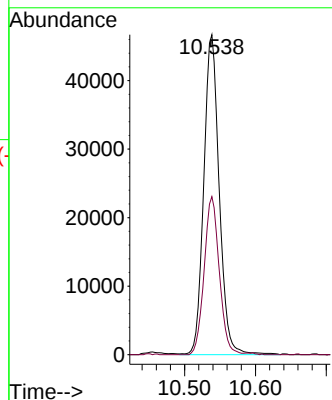
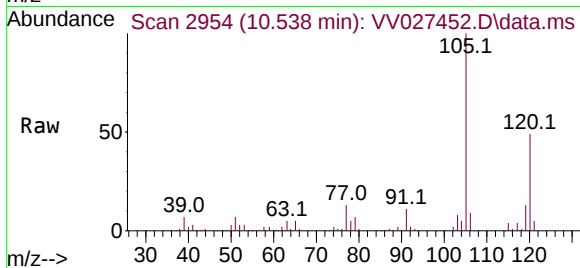
EX9E1MSD

Tgt Ion:105 Resp: 70729

Ion Ratio Lower Upper

105 100

120 48.3 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 5.149 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV027452.D

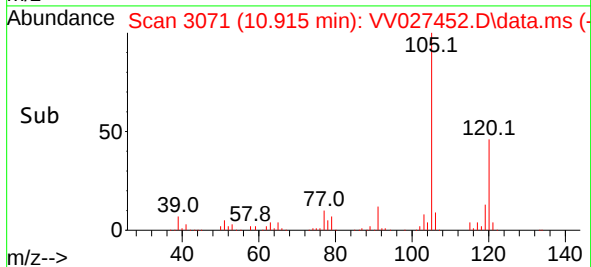
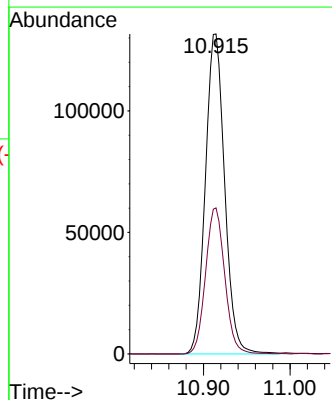
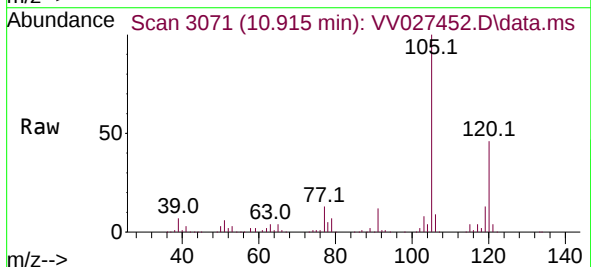
Acq: 19 Aug 2022 20:01

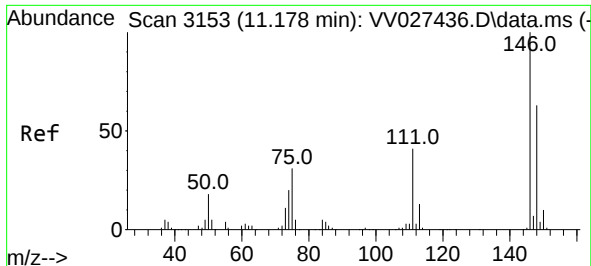
Tgt Ion:105 Resp: 203185

Ion Ratio Lower Upper

105 100

120 45.5 35.8 53.6

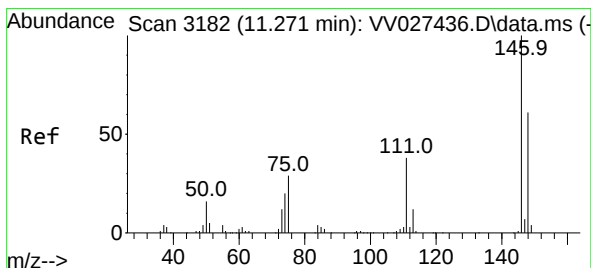
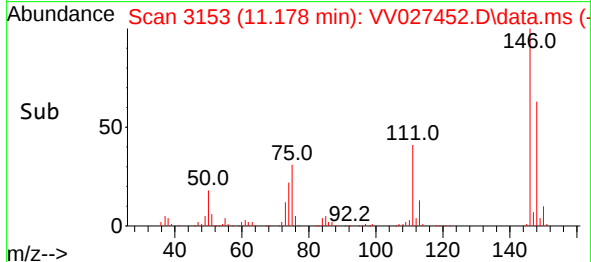
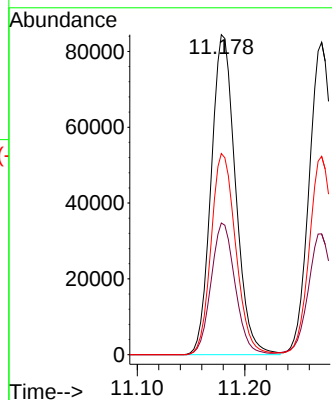
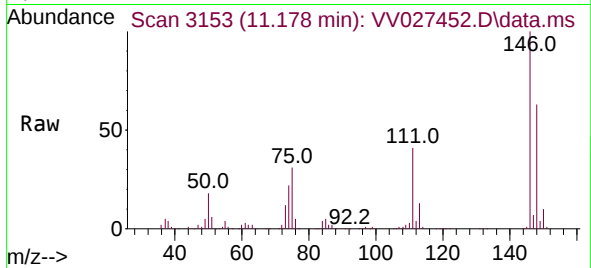




#64
1,3-Dichlorobenzene
Concen: 5.348 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VV027452.D
Acq: 19 Aug 2022 20:01

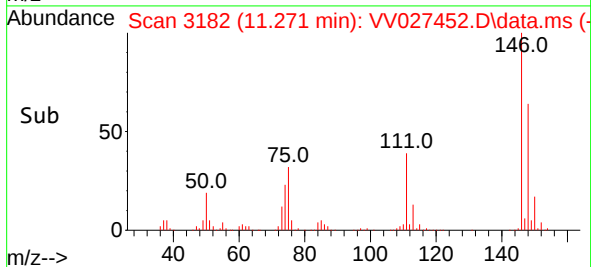
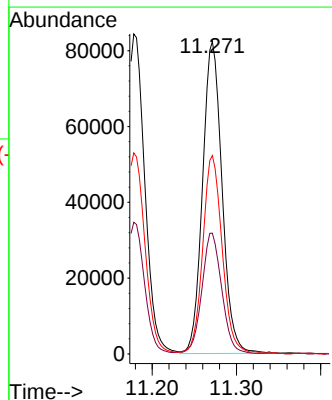
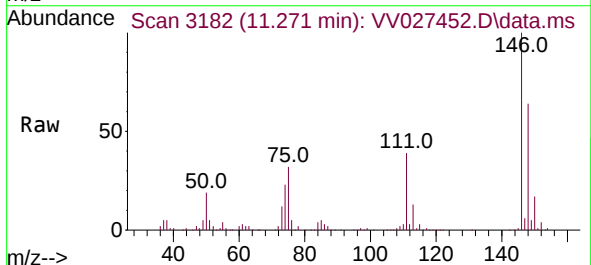
Instrument :
MSVOA_V
ClientSampleId :
EX9E1MSD

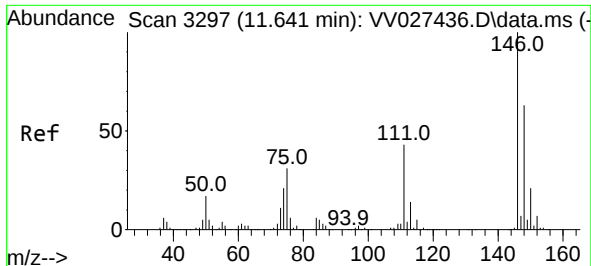
Tgt Ion:146 Resp: 133115
Ion Ratio Lower Upper
146 100
111 41.1 28.8 53.4
148 62.9 44.0 81.6



#65
1,4-Dichlorobenzene
Concen: 5.339 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV027452.D
Acq: 19 Aug 2022 20:01

Tgt Ion:146 Resp: 132475
Ion Ratio Lower Upper
146 100
111 38.6 26.6 49.4
148 63.5 42.6 79.0





#67

1,2-Dichlorobenzene

Concen: 5.350 ug/L

RT: 11.641 min Scan# 3297

Delta R.T. 0.000 min

Lab File: VV027452.D

Acq: 19 Aug 2022 20:01

Instrument :

MSVOA_V

ClientSampleId :

EX9E1MSD

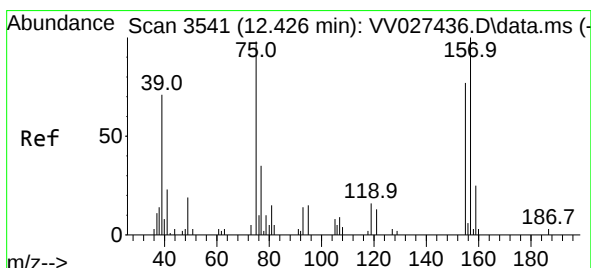
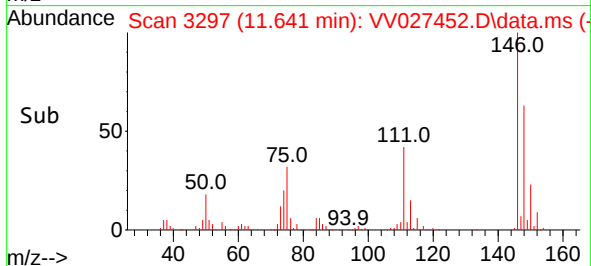
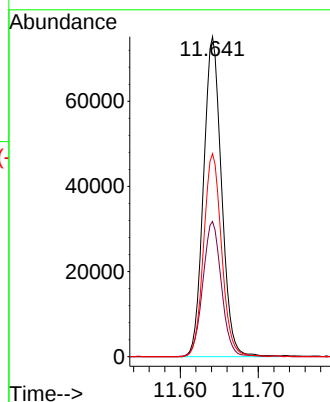
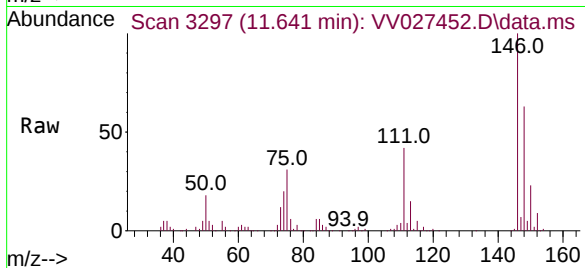
Tgt Ion:146 Resp: 120716

Ion Ratio Lower Upper

146 100

111 42.3 34.5 51.7

148 63.5 50.6 76.0



#68

1,2-Dibromo-3-chloropropane

Concen: 4.950 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. 0.000 min

Lab File: VV027452.D

Acq: 19 Aug 2022 20:01

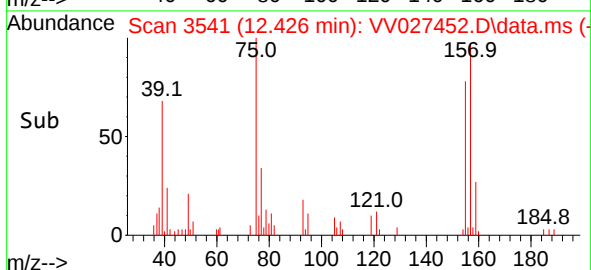
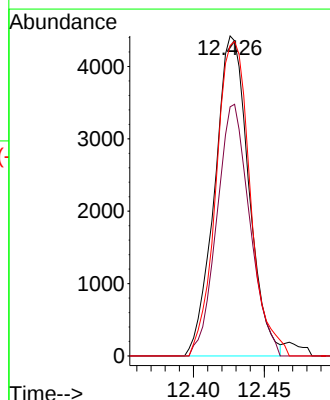
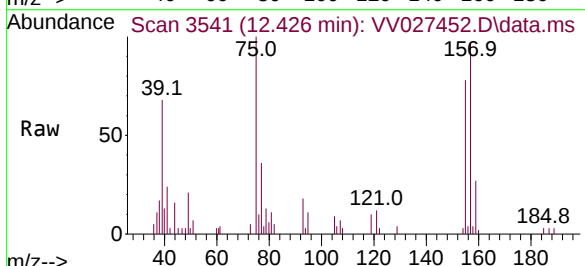
Tgt Ion: 75 Resp: 7407

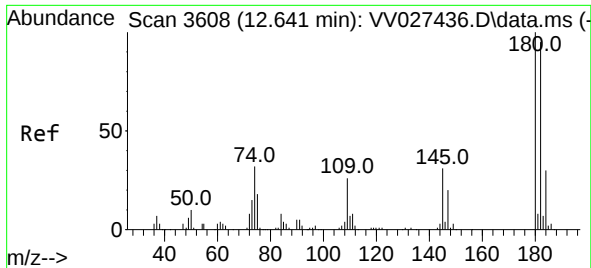
Ion Ratio Lower Upper

75 100

155 77.8 63.1 94.7

157 97.0 81.8 122.8





#69

1,3,5-Trichlorobenzene

Concen: 5.190 ug/L

RT: 12.644 min Scan# 3608

Delta R.T. 0.003 min

Lab File: VV027452.D

Acq: 19 Aug 2022 20:01

Instrument :

MSVOA_V

ClientSampleId :

EX9E1MSD

Tgt Ion:180 Resp: 96412

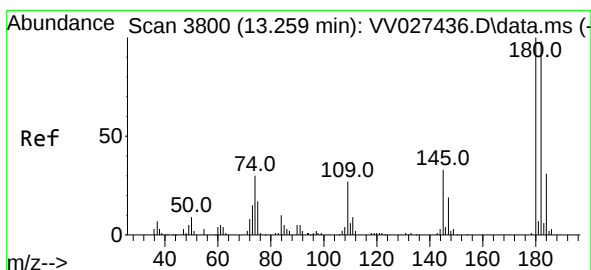
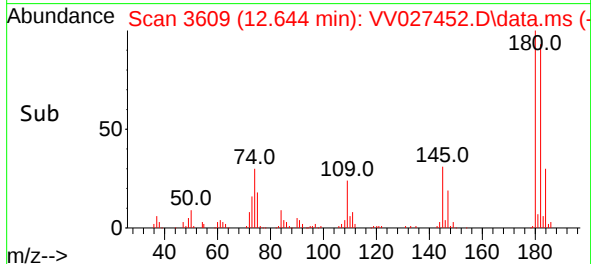
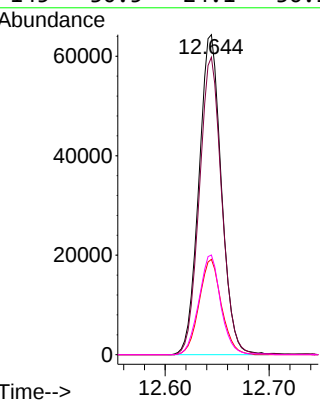
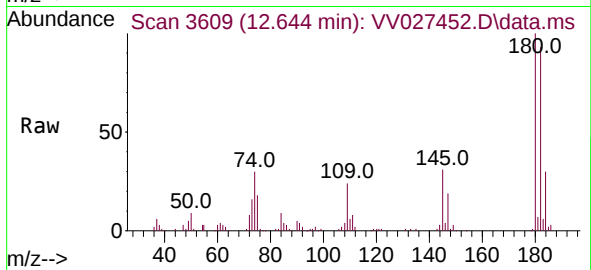
Ion Ratio Lower Upper

180 100

182 92.7 74.1 111.1

184 29.6 23.2 34.8

145 30.5 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 5.195 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. 0.000 min

Lab File: VV027452.D

Acq: 19 Aug 2022 20:01

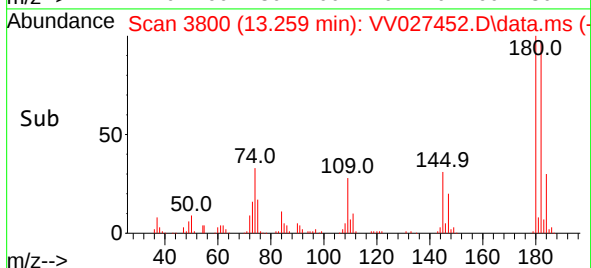
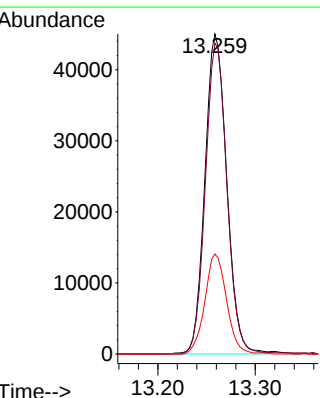
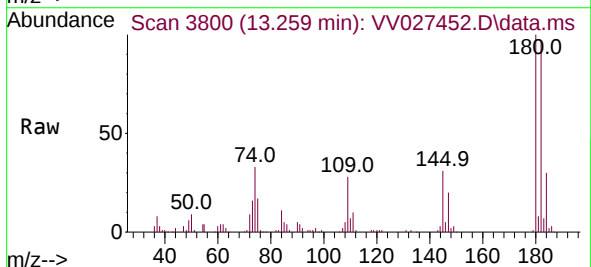
Tgt Ion:180 Resp: 70136

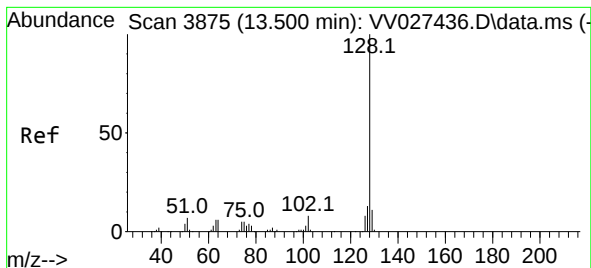
Ion Ratio Lower Upper

180 100

182 96.1 76.0 114.0

145 31.1 24.9 37.3





#71

Naphthalene

Concen: 5.342 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV027452.D

Acq: 19 Aug 2022 20:01

Instrument :

MSVOA_V

ClientSampleId :

EX9E1MSD

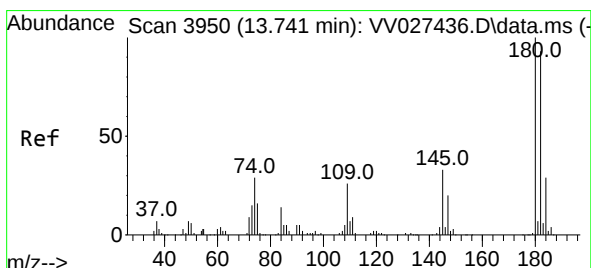
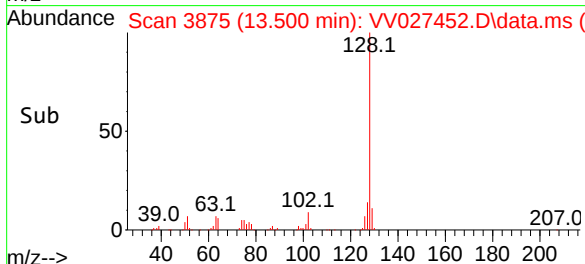
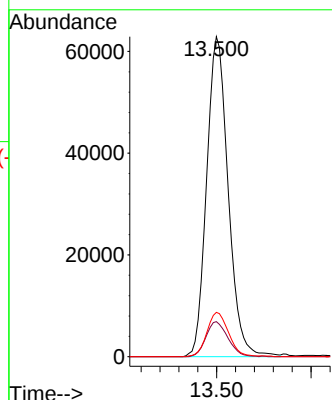
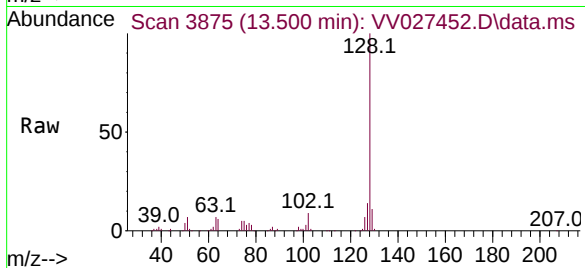
Tgt Ion:128 Resp: 99559

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

127 13.9 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 5.365 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV027452.D

Acq: 19 Aug 2022 20:01

Tgt Ion:180 Resp: 64334

Ion Ratio Lower Upper

180 100

182 96.9 75.3 112.9

145 33.2 26.6 39.8

