

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102722\
 Data File : VW028712.D
 Acq On : 27 Oct 2022 11:58
 Operator : SY/MD
 Sample : N5232-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHA71

Quant Time: Oct 28 02:16:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 28 02:13:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	134556	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	126190	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	55170	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	64894	6.934	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 138.600%#		
7) Chloroethane-d5	1.564	69	60283	7.619	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 152.400%#		
11) 1,1-Dichloroethene-d2	2.101	63	92845	5.129	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 102.600%		
20) 2-Butanone-d5	3.899	46	180310	84.500	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 169.000%#		
24) Chloroform-d	4.342	84	114239	7.030	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 140.600%#		
26) 1,2-Dichloroethane-d4	5.030	65	61652	7.477	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 149.600%#		
32) Benzene-d6	5.047	84	221338	6.559	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 131.200%#		
36) 1,2-Dichloropropane-d6	6.066	67	79361	7.429	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 148.600%#		
41) Toluene-d8	7.313	98	168081	6.383	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 127.600%		
43) trans-1,3-Dichloroprop...	7.625	79	13054	3.933	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 78.600%		
46) 2-Hexanone-d5	8.088	63	125718	81.375	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 162.760%#		
56) 1,1,2,2-Tetrachloroeth...	10.210	84	54935	7.754	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 155.000%#		
66) 1,2-Dichlorobenzene-d4	11.619	152	54966	7.223	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 144.400%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.201	85	912	0.161	ug/L	95
3) Chloromethane	1.236	50	1514	0.143	ug/L	88
5) Vinyl chloride	1.307	62	446	0.042	ug/L #	1
6) Bromomethane	1.523	94	1317	0.262	ug/L	82
8) Chloroethane	1.584	64	12945	1.809	ug/L	89
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	744	0.089	ug/L #	30
12) 1,1-Dichloroethene	2.101	96	879	0.119	ug/L #	1
14) Carbon disulfide	2.291	76	1516	0.089	ug/L #	75
16) Methylene chloride	2.503	84	4107	0.403	ug/L	94
19) 1,1-Dichloroethane	3.185	63	8908	0.496	ug/L #	89
22) cis-1,2-Dichloroethene	3.902	96	496	0.056	ug/L #	79
35) Methylcyclohexane	6.066	83	17803	1.379	ug/L #	15
48) 2-Hexanone	8.088	43	17409	4.312	ug/L #	84
51) Chlorobenzene	8.876	112	332123	14.749	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.236	83	689	0.093	ug/L #	94
60) Isopropylbenzene	9.931	105	3717	0.107	ug/L #	83
62) 1,3,5-Trimethylbenzene	10.468	105	473	0.047	ug/L #	52
65) 1,4-Dichlorobenzene	11.268	146	45354	3.040	ug/L	100
70) 1,2,4-trichlorobenzene	13.262	180	612	0.071	ug/L #	71

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102722\
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 28 02:13:29 2022
Response via : Initial Calibration

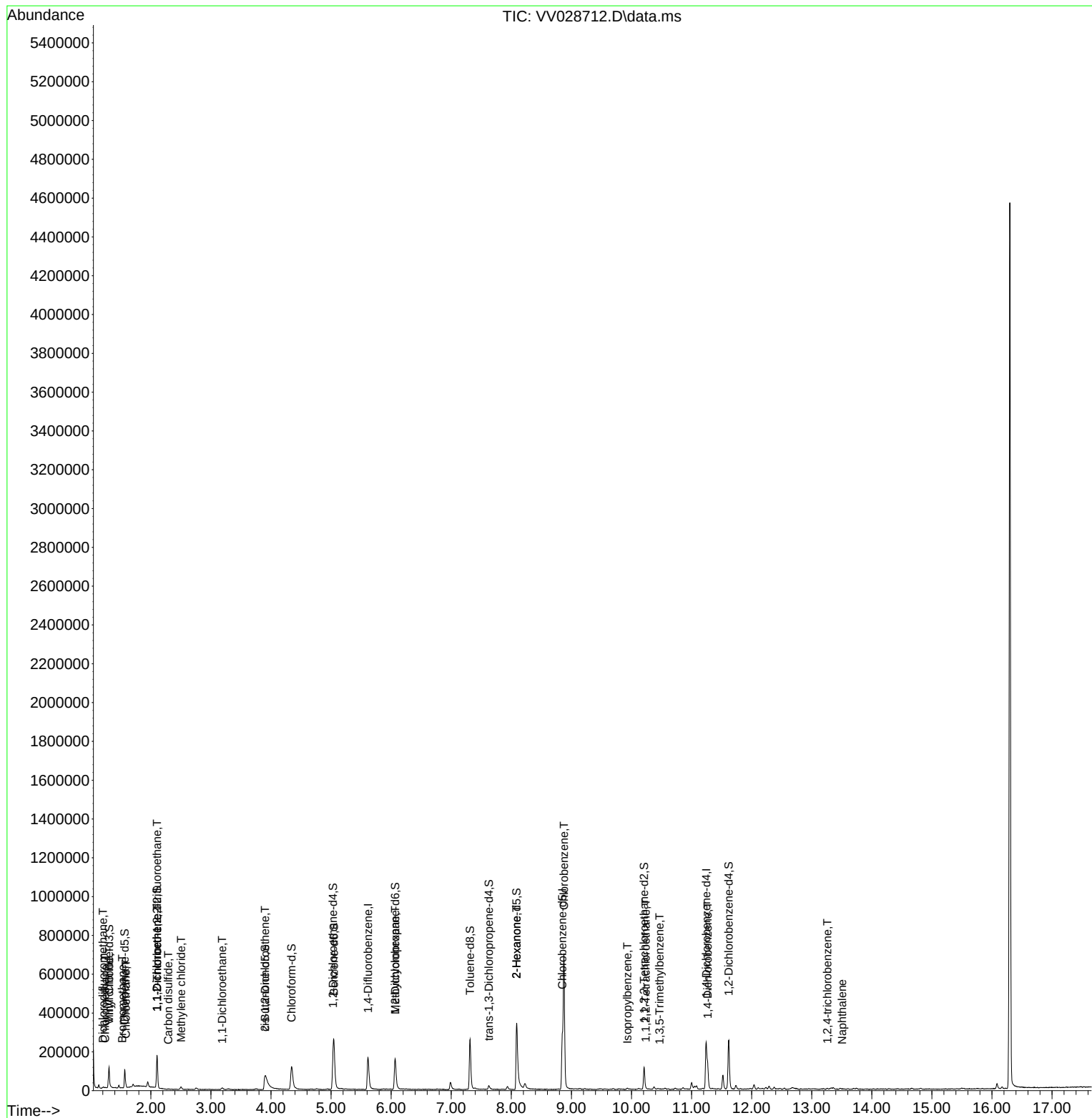
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	13.506	128	1667	0.113	ug/L	# 82

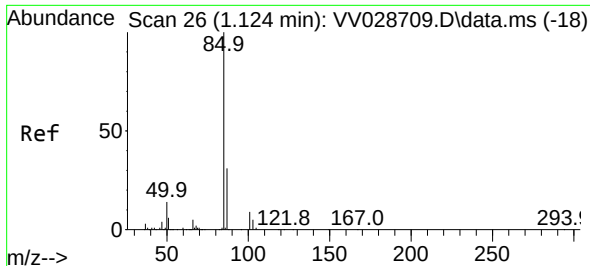
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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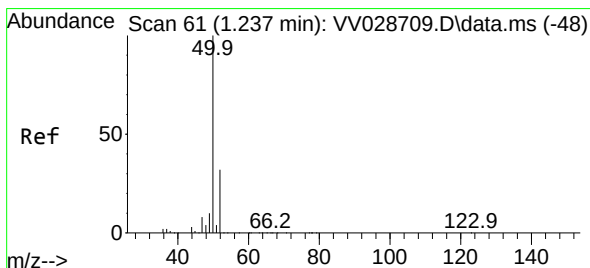
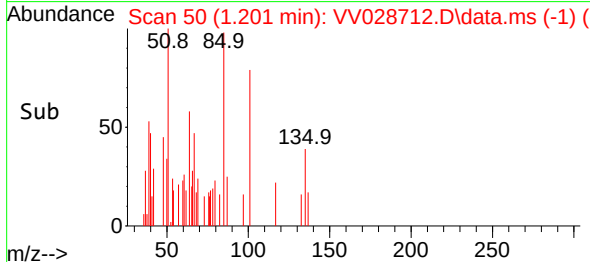
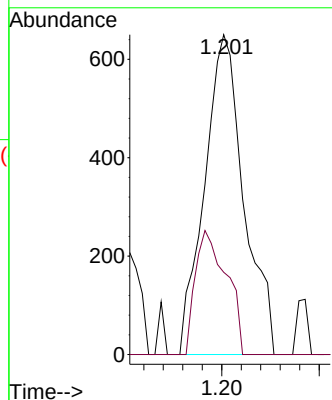
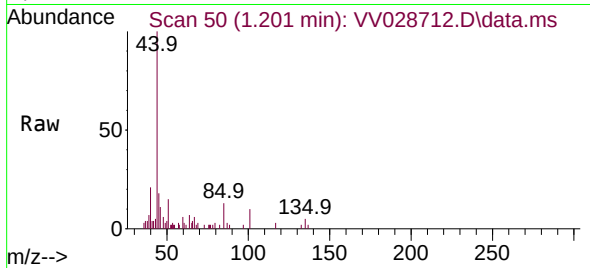




#2
 Dichlorodifluoromethane
 Concen: 0.161 ug/L
 RT: 1.201 min Scan# 50
 Delta R.T. 0.077 min
 Lab File: VV028712.D
 Acq: 27 Oct 2022 11:58

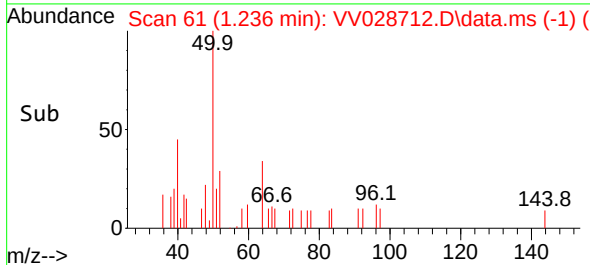
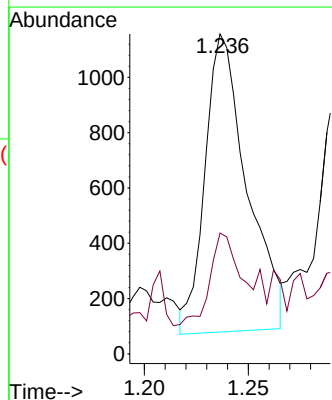
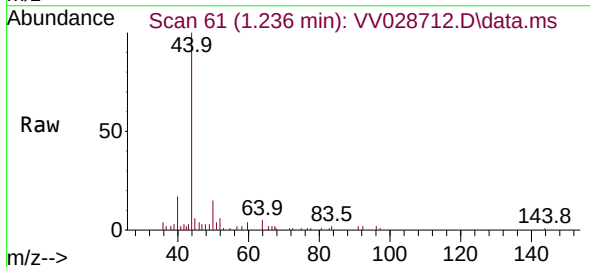
Instrument :
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 ClientSampleId :
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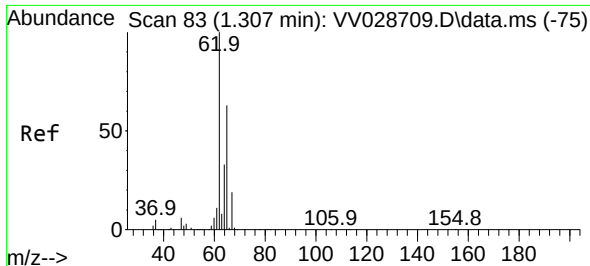
Tgt Ion: 85 Resp: 912
 Ion Ratio Lower Upper
 85 100
 87 30.6 26.6 40.0



#3
 Chloromethane
 Concen: 0.143 ug/L
 RT: 1.236 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VV028712.D
 Acq: 27 Oct 2022 11:58

Tgt Ion: 50 Resp: 1514
 Ion Ratio Lower Upper
 50 100
 52 37.8 21.8 40.6

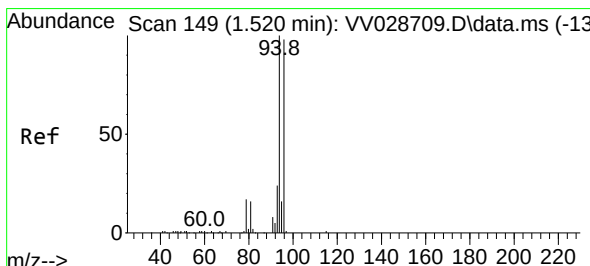
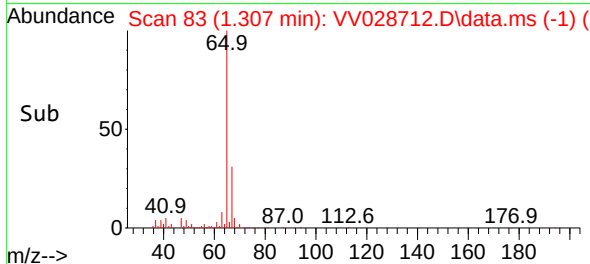
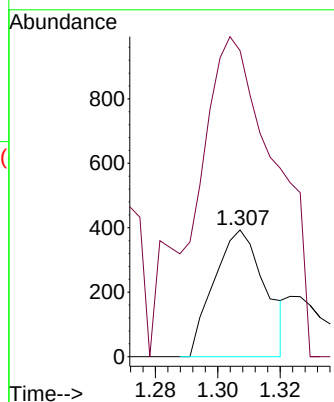
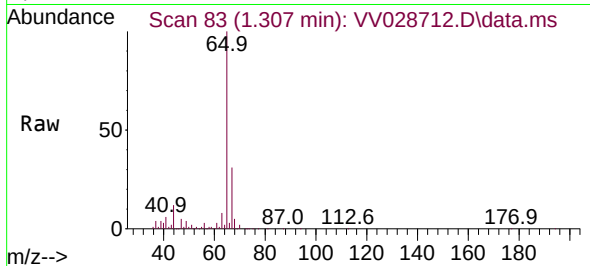




#5
 Vinyl chloride
 Concen: 0.042 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VV028712.D
 Acq: 27 Oct 2022 11:58

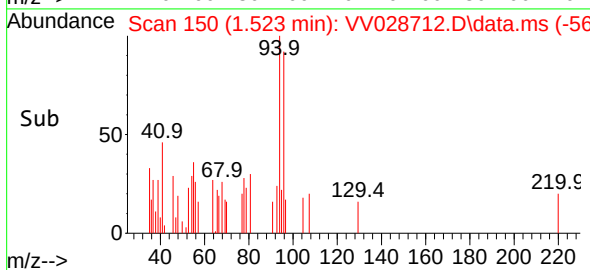
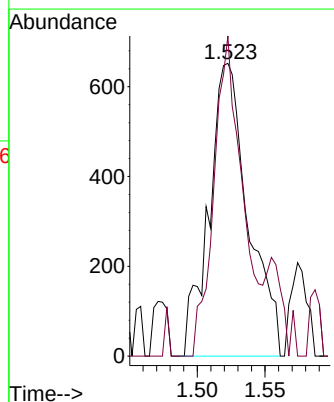
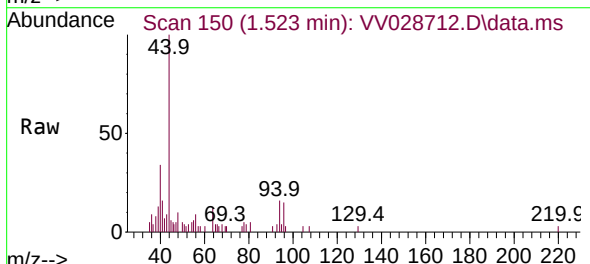
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 ClientSampleId :
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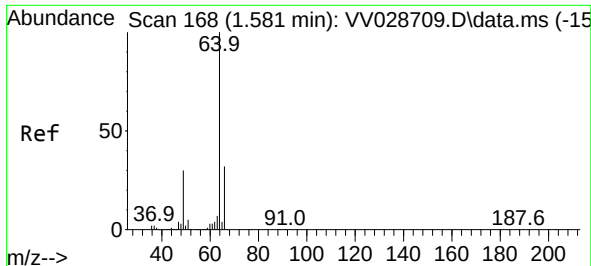
Tgt Ion: 62 Resp: 446
 Ion Ratio Lower Upper
 62 100
 64 241.7 22.0 41.0#



#6
 Bromomethane
 Concen: 0.262 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.003 min
 Lab File: VV028712.D
 Acq: 27 Oct 2022 11:58

Tgt Ion: 94 Resp: 1317
 Ion Ratio Lower Upper
 94 100
 96 109.4 64.3 119.3

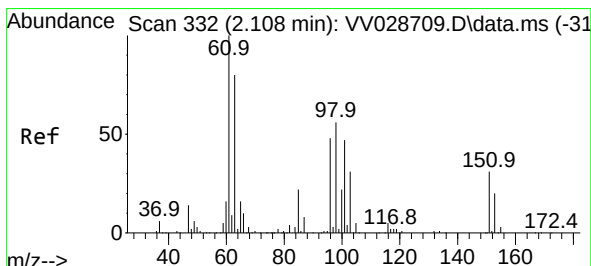
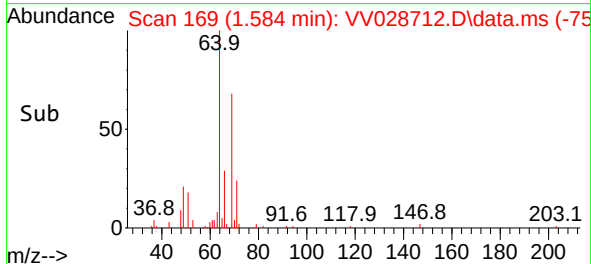
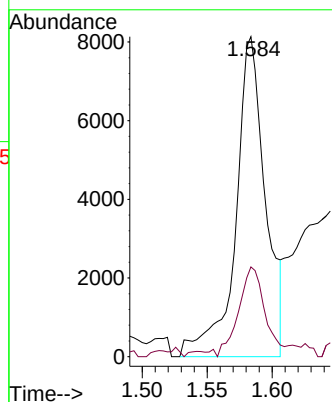
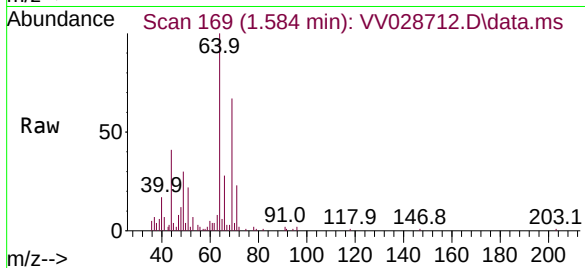




#8
Chloroethane
Concen: 1.809 ug/L
RT: 1.584 min Scan# 168
Delta R.T. 0.003 min
Lab File: VV028712.D
Acq: 27 Oct 2022 11:58

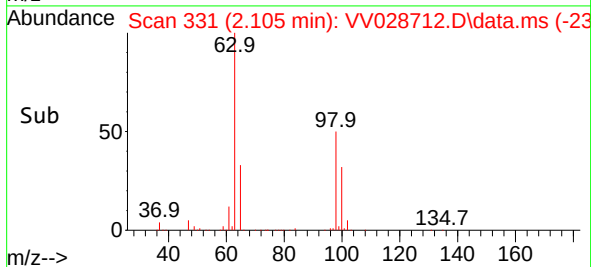
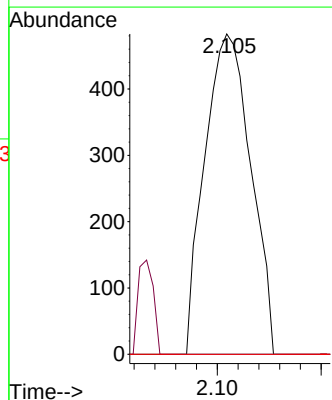
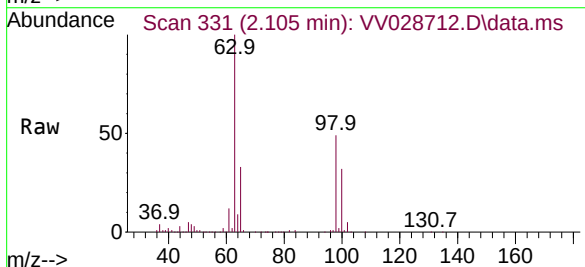
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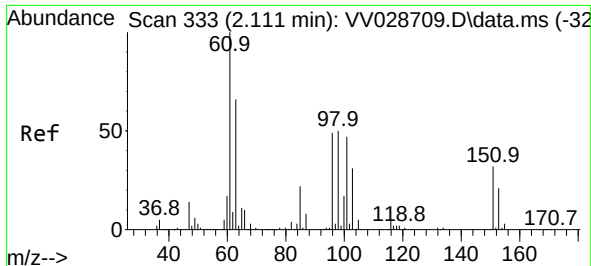
Tgt Ion: 64 Resp: 12945
Ion Ratio Lower Upper
64 100
66 28.1 23.9 44.5



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.089 ug/L
RT: 2.105 min Scan# 331
Delta R.T. -0.003 min
Lab File: VV028712.D
Acq: 27 Oct 2022 11:58

Tgt Ion:101 Resp: 744
Ion Ratio Lower Upper
101 100
85 9.8 37.0 55.6#
151 0.0 50.2 75.2#





#12

1,1-Dichloroethene

Concen: 0.119 ug/L

RT: 2.101 min Scan# 31

Delta R.T. -0.010 min

Lab File: VV028712.D

Acq: 27 Oct 2022 11:58

Instrument :

MSVOA_V

ClientSampleId :

BHA71

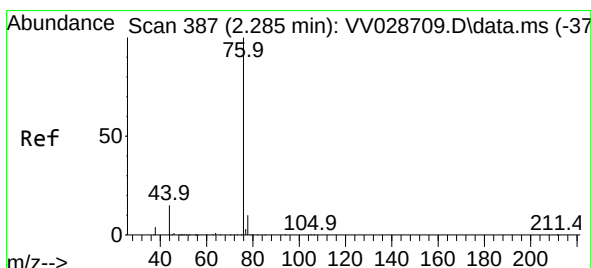
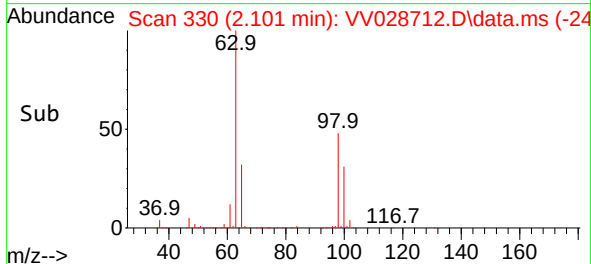
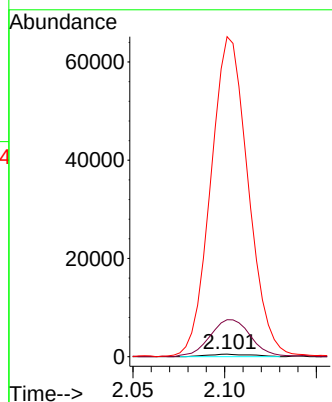
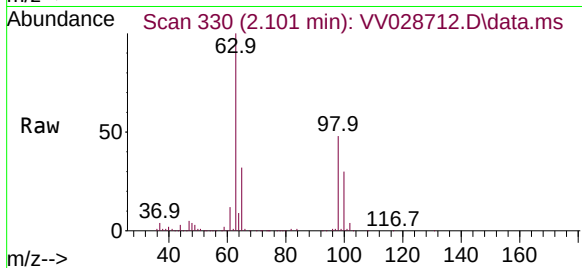
Tgt Ion: 96 Resp: 879

Ion Ratio Lower Upper

96 100

61 1455.9 148.1 275.1#

63 12603.5 133.3 247.7#



#14

Carbon disulfide

Concen: 0.089 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.006 min

Lab File: VV028712.D

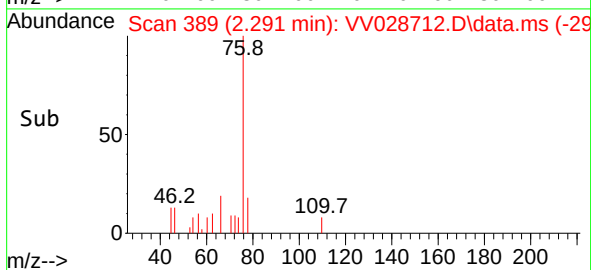
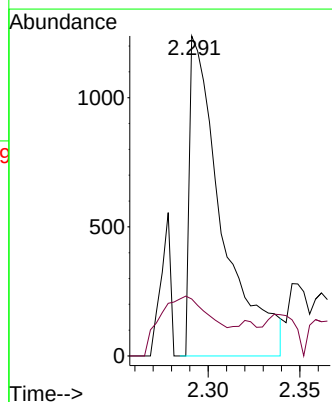
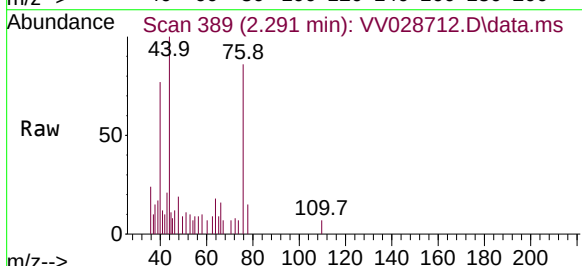
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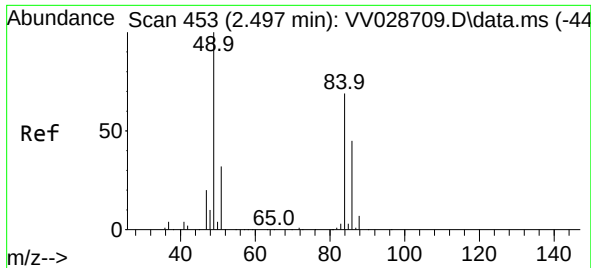
Tgt Ion: 76 Resp: 1516

Ion Ratio Lower Upper

76 100

78 17.8 7.1 10.7#

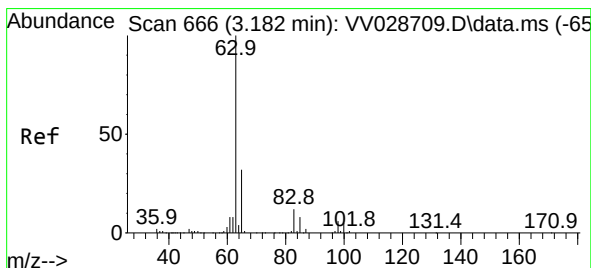
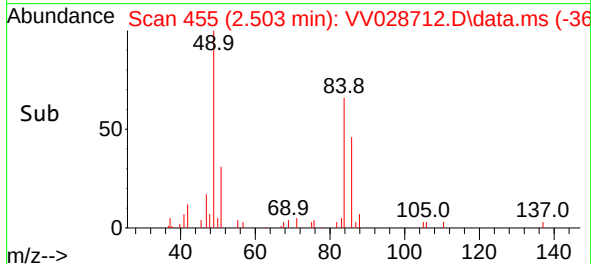
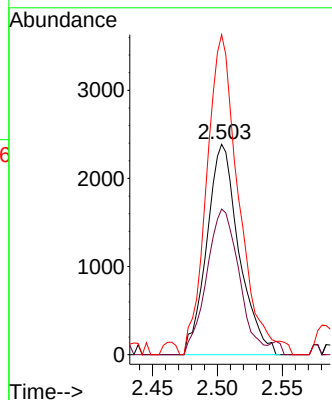
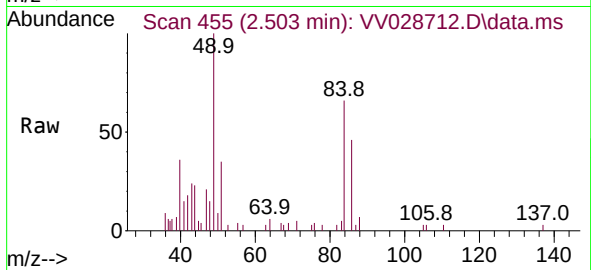




#16
Methylene chloride
Concen: 0.403 ug/L
RT: 2.503 min Scan# 4107
Delta R.T. 0.006 min
Lab File: VV028712.D
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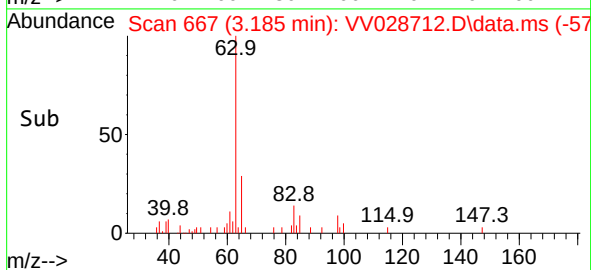
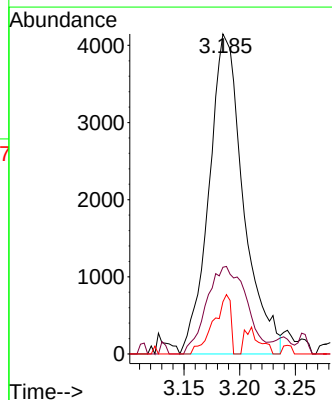
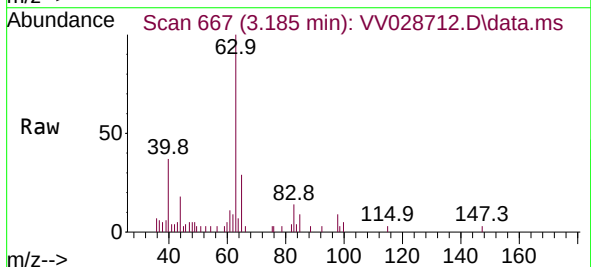
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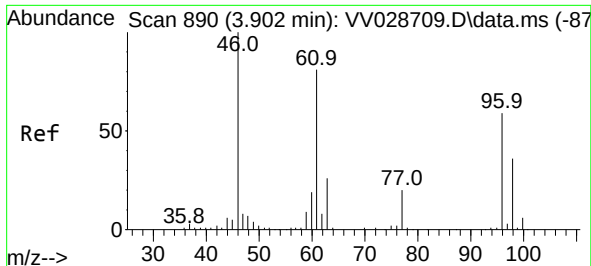
Tgt Ion: 84 Resp: 4107
Ion Ratio Lower Upper
84 100
86 69.3 44.4 82.4
49 152.1 110.8 205.8



#19
1,1-Dichloroethane
Concen: 0.496 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.003 min
Lab File: VV028712.D
Acq: 27 Oct 2022 11:58

Tgt Ion: 63 Resp: 8908
Ion Ratio Lower Upper
63 100
65 27.1 23.1 42.9
83 16.3 7.9 14.7#

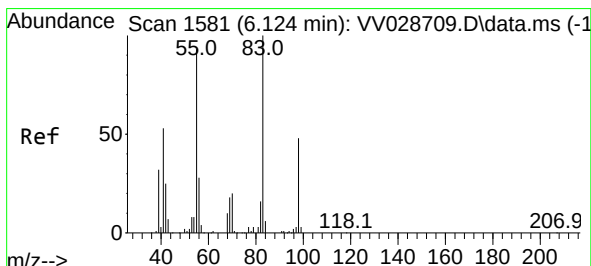
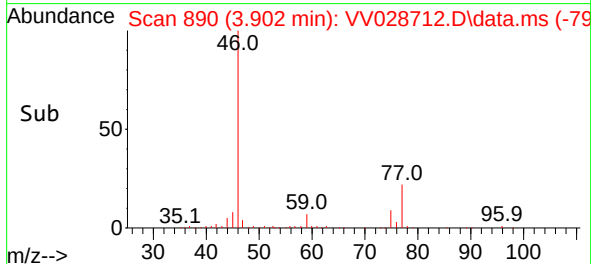
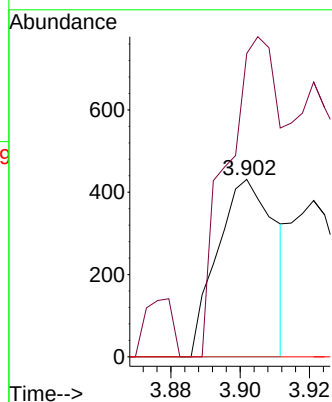
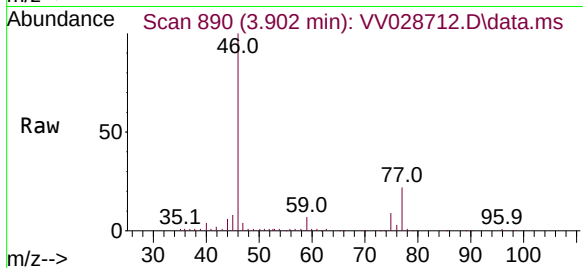




#22
 cis-1,2-Dichloroethene
 Concen: 0.056 ug/L
 RT: 3.902 min Scan# 890
 Delta R.T. -0.000 min
 Lab File: VV028712.D
 Acq: 27 Oct 2022 11:58

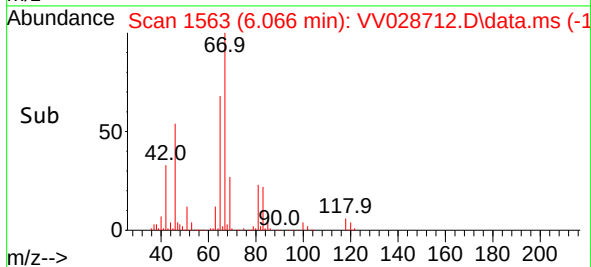
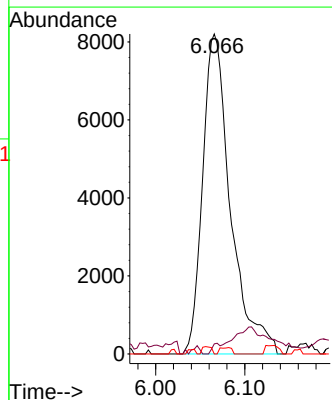
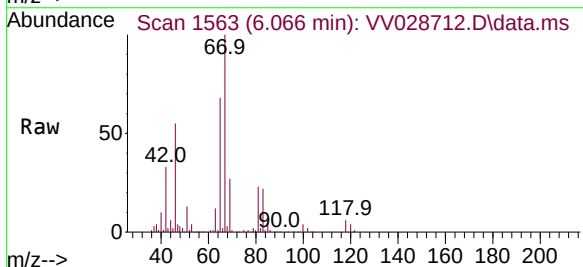
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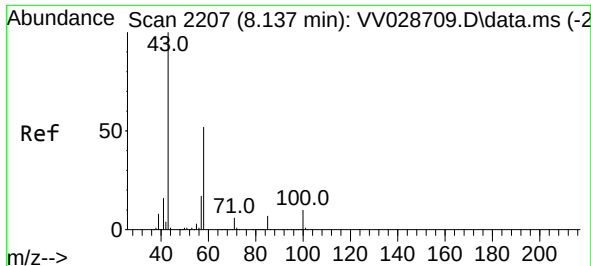
Tgt Ion: 96 Resp: 496
 Ion Ratio Lower Upper
 96 100
 61 171.0 101.4 188.2
 68 0.0 0.5 0.9#



#35
 Methylcyclohexane
 Concen: 1.379 ug/L
 RT: 6.066 min Scan# 1563
 Delta R.T. -0.058 min
 Lab File: VV028712.D
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Tgt Ion: 83 Resp: 17803
 Ion Ratio Lower Upper
 83 100
 55 0.9 70.0 105.0#
 98 0.8 35.6 53.4#

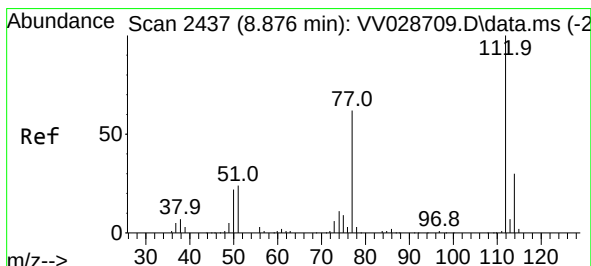
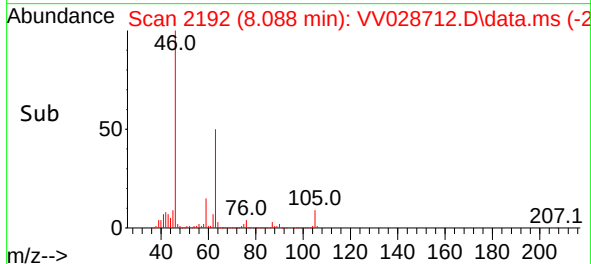
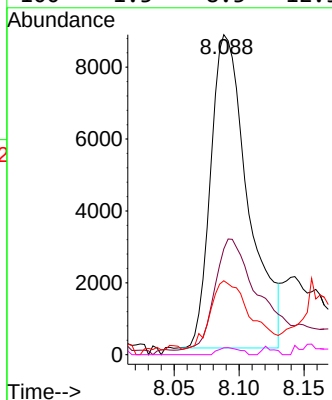
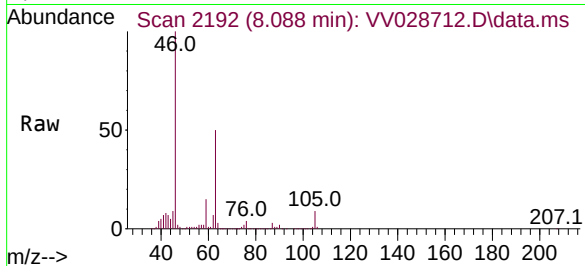




#48
2-Hexanone
Concen: 4.312 ug/L
RT: 8.088 min Scan# 2192
Delta R.T. -0.048 min
Lab File: VV028712.D
Acq: 27 Oct 2022 11:58

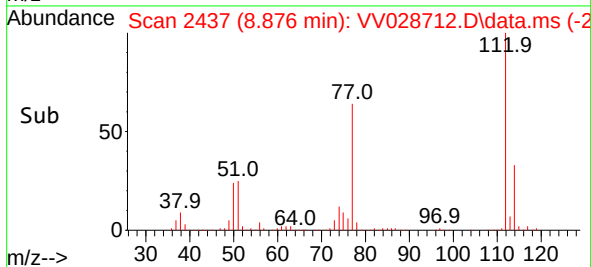
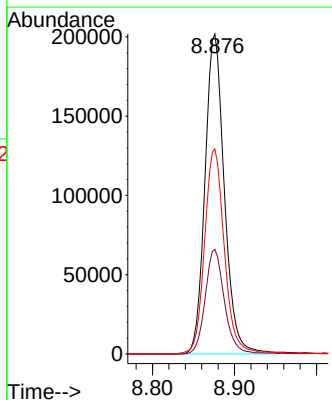
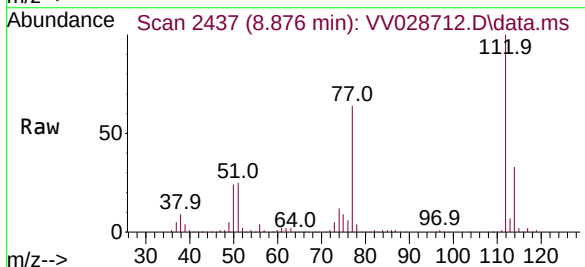
Instrument :
MSVOA_V
ClientSampleId :
BHA71

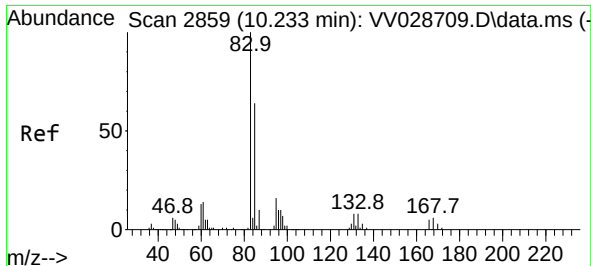
Tgt Ion: 43	Resp: 17409
Ion Ratio	Lower Upper
43 100	
58 42.7	40.6 60.8
57 27.4	13.8 20.8#
100 1.3	8.3 12.5#



#51
Chlorobenzene
Concen: 14.749 ug/L
RT: 8.876 min Scan# 2437
Delta R.T. -0.000 min
Lab File: VV028712.D
Acq: 27 Oct 2022 11:58

Tgt Ion:112	Resp: 332123
Ion Ratio	Lower Upper
112 100	
114 32.7	22.0 41.0
77 64.1	50.0 75.0





#57

1,1,2-Tetrachloroethane

Concen: 0.093 ug/L

RT: 10.236 min Scan# 2859

Delta R.T. 0.003 min

Lab File: VV028712.D

Acq: 27 Oct 2022 11:58

Instrument :

MSVOA_V

ClientSampleId :

BHA71

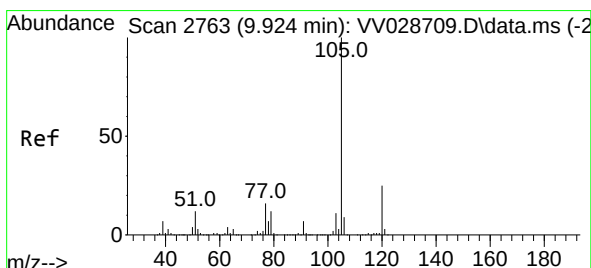
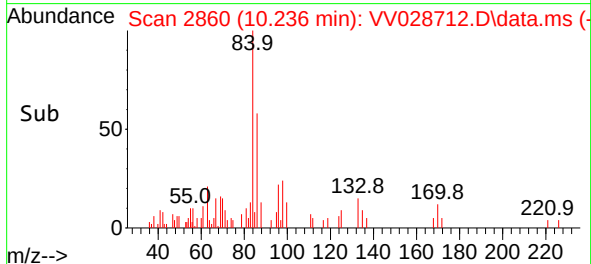
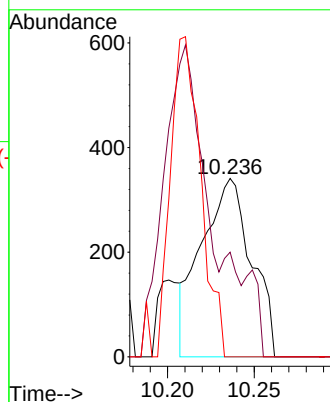
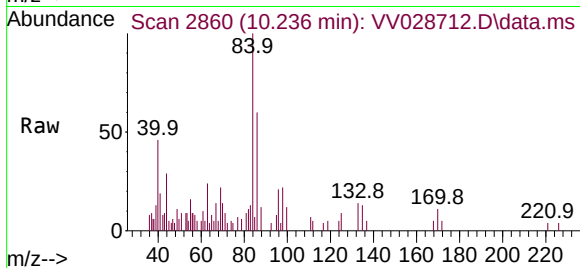
Tgt Ion: 83 Resp: 689

Ion Ratio Lower Upper

83 100

85 58.7 43.0 80.0

131 0.0 6.5 9.7#



#60

Isopropylbenzene

Concen: 0.107 ug/L

RT: 9.931 min Scan# 2765

Delta R.T. 0.006 min

Lab File: VV028712.D

Acq: 27 Oct 2022 11:58

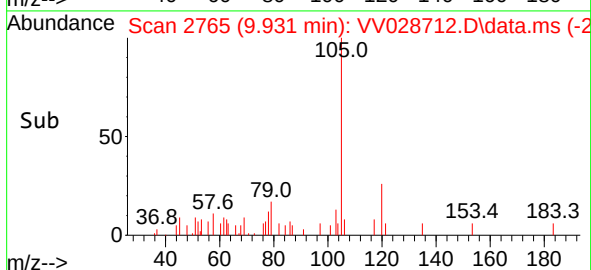
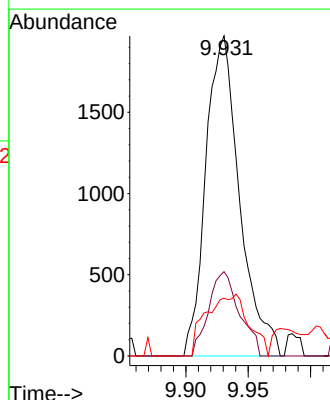
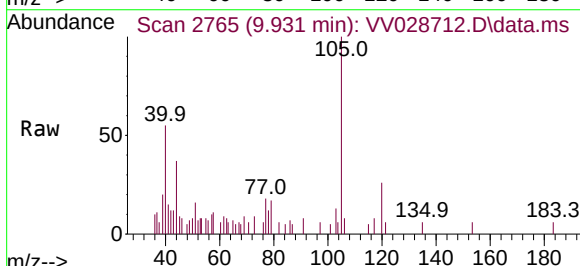
Tgt Ion: 105 Resp: 3717

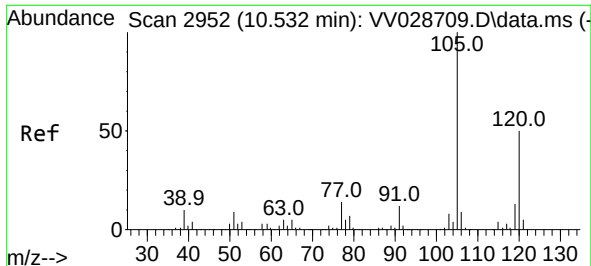
Ion Ratio Lower Upper

105 100

120 24.1 20.1 30.1

77 0.0 13.4 20.0#

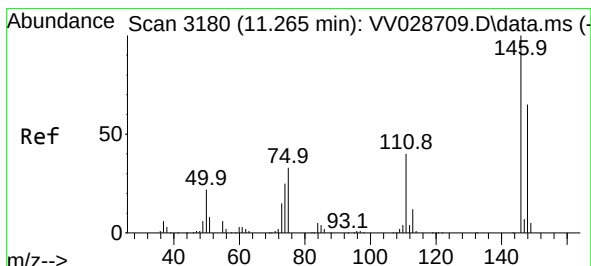
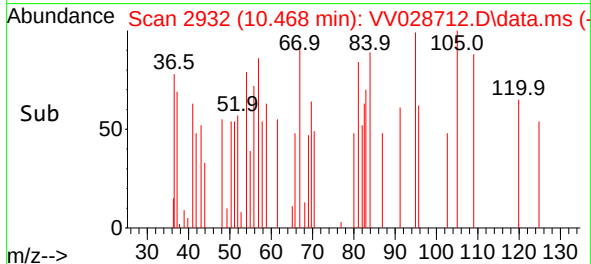
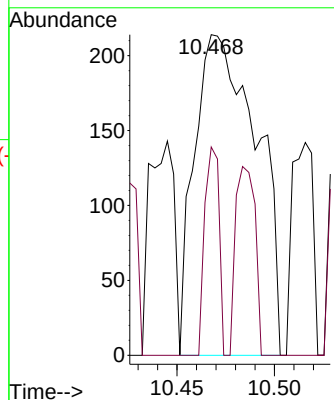
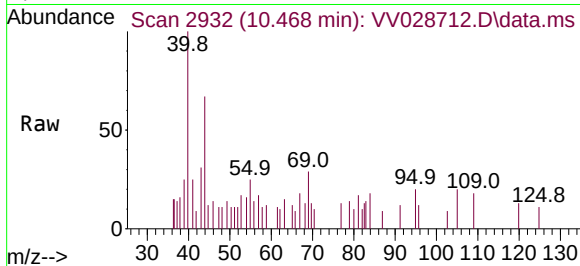




#62
 1,3,5-Trimethylbenzene
 Concen: 0.047 ug/L
 RT: 10.468 min Scan# 2952
 Delta R.T. -0.064 min
 Lab File: VV028712.D
 Acq: 27 Oct 2022 11:58

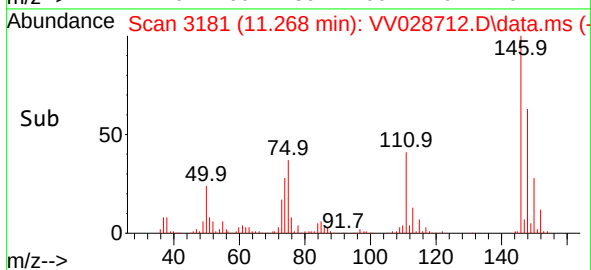
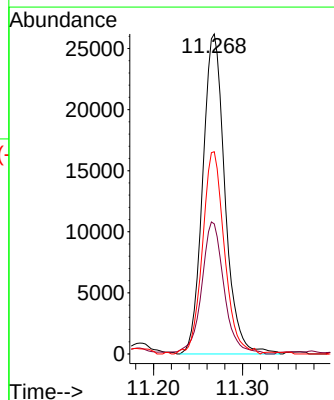
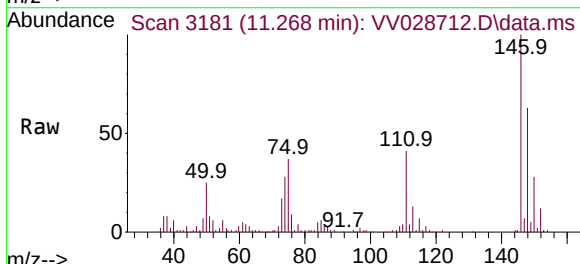
Instrument :
 MSVOA_V
 ClientSampleId :
 BHA71

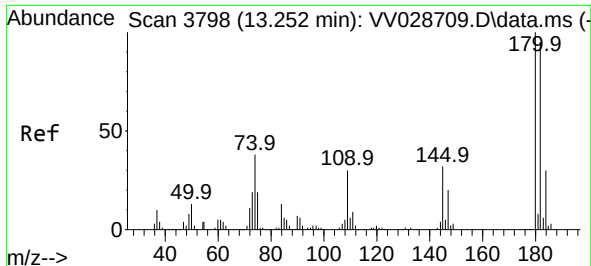
Tgt Ion:105 Resp: 473
 Ion Ratio Lower Upper
 105 100
 120 15.2 38.3 57.5#



#65
 1,4-Dichlorobenzene
 Concen: 3.040 ug/L
 RT: 11.268 min Scan# 3181
 Delta R.T. 0.003 min
 Lab File: VV028712.D
 Acq: 27 Oct 2022 11:58

Tgt Ion:146 Resp: 45354
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.6 53.2
 148 63.2 44.3 82.3

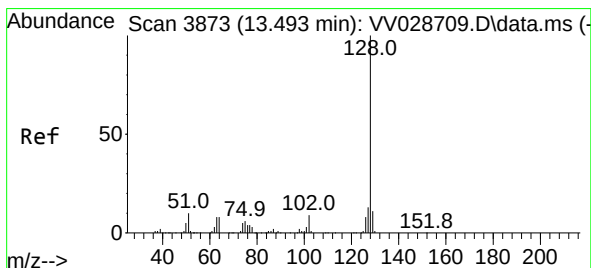
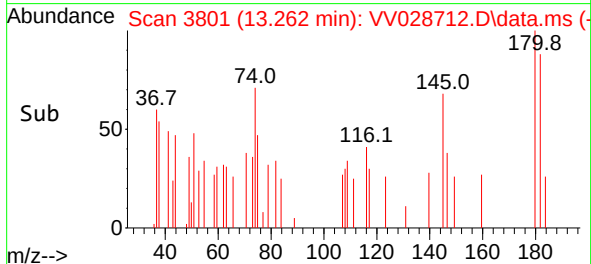
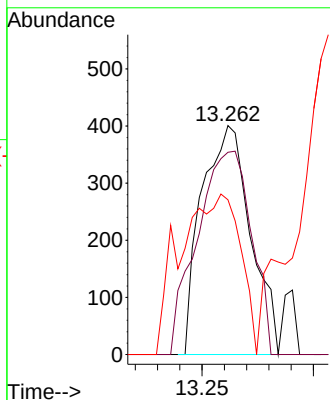
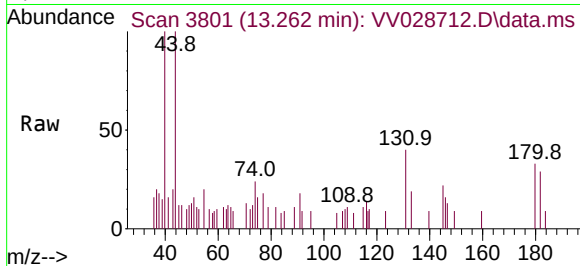




#70
1,2,4-trichlorobenzene
Concen: 0.071 ug/L
RT: 13.262 min Scan# 3801
Delta R.T. 0.009 min
Lab File: VV028712.D
Acq: 27 Oct 2022 11:58

Instrument :
MSVOA_V
ClientSampleId :
BHA71

Tgt Ion:180 Resp: 612
Ion Ratio Lower Upper
180 100
182 98.7 74.7 112.1
145 86.3 25.5 38.3#



#71
Naphthalene
Concen: 0.113 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.013 min
Lab File: VV028712.D
Acq: 27 Oct 2022 11:58

Tgt Ion:128 Resp: 1667
Ion Ratio Lower Upper
128 100
129 0.0 8.9 13.3#
127 16.0 10.2 15.4#

