

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102722\
 Data File : VW028721.D
 Acq On : 27 Oct 2022 15:36
 Operator : SY/MD
 Sample : N5233-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHA56

Quant Time: Oct 28 02:18:32 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)

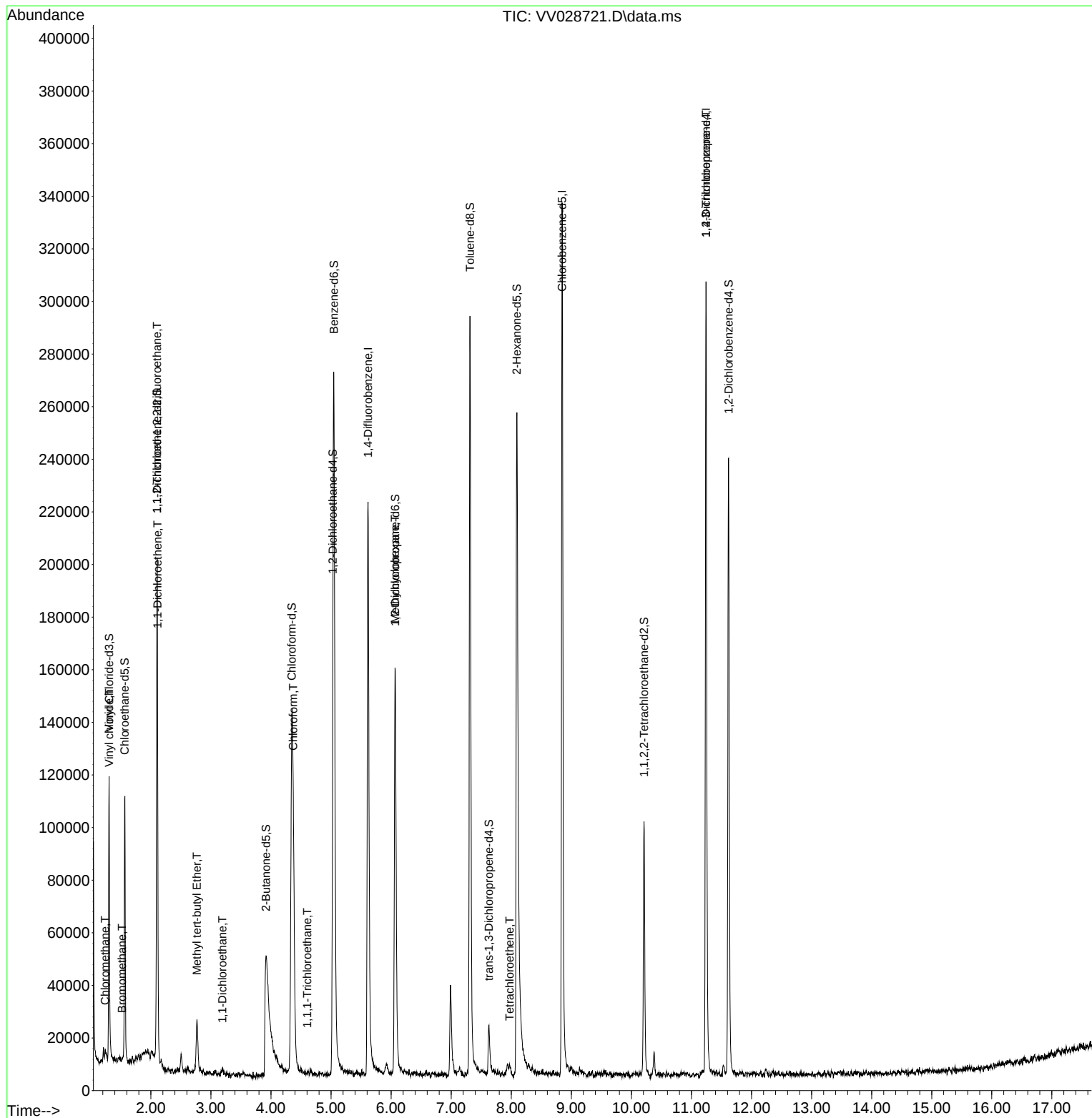
Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	179651	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	166573	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	70115	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	73946	5.918	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.400%
7) Chloroethane-d5	1.564	69	62778	5.942	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.800%
11) 1,1-Dichloroethene-d2	2.105	63	104471	4.323	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.400%
20) 2-Butanone-d5	3.918	46	147556	51.792	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.580%
24) Chloroform-d	4.346	84	116664	5.377	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.600%
26) 1,2-Dichloroethane-d4	5.031	65	59168	5.375	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.400%
32) Benzene-d6	5.047	84	230722	5.179	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
36) 1,2-Dichloropropane-d6	6.069	67	77544	5.499	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.000%
41) Toluene-d8	7.313	98	185184	5.327	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.600%
43) trans-1,3-Dichloroprop...	7.629	79	11296	2.578	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	51.600%#
46) 2-Hexanone-d5	8.092	63	93350	45.775	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.560%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	46677	4.991	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.800%
66) 1,2-Dichlorobenzene-d4	11.619	152	54629	5.649	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.000%
Target Compounds						
3) Chloromethane	1.240	50	2291	0.162	ug/L	96
5) Vinyl chloride	1.307	62	686	0.049	ug/L #	1
6) Bromomethane	1.519	94	1233	0.184	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	1039	0.093	ug/L #	30
12) 1,1-Dichloroethene	2.111	96	1418	0.144	ug/L #	1
17) Methyl tert-butyl Ether	2.767	73	19207	0.742	ug/L	94
19) 1,1-Dichloroethane	3.191	63	2213	0.092	ug/L #	88
25) Chloroform	4.371	83	76370	3.273	ug/L	99
29) 1,1,1-Trichloroethane	4.606	97	346	0.017	ug/L #	83
35) Methylcyclohexane	6.066	83	16671	0.979	ug/L #	16
47) Tetrachloroethene	7.976	164	696	0.092	ug/L	82
61) 1,2,3-Trichloropropane	11.243	75	11749	1.952	ug/L #	70

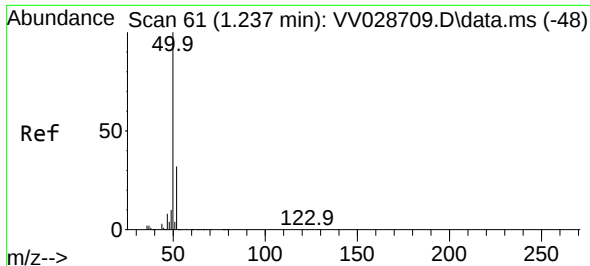
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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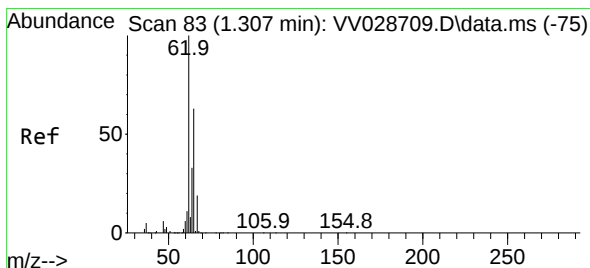
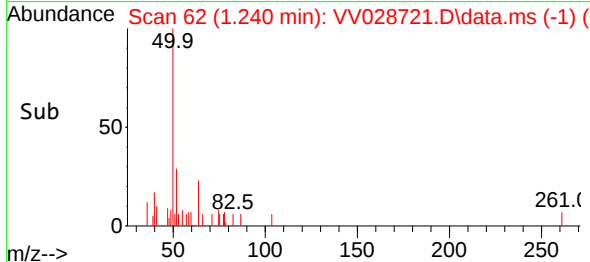
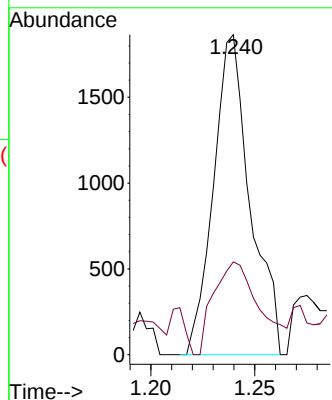
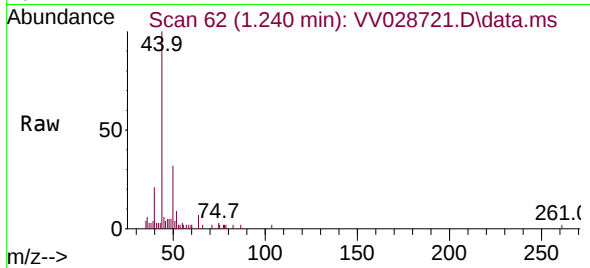




#3
Chloromethane
Concen: 0.162 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV028721.D
Acq: 27 Oct 2022 15:36

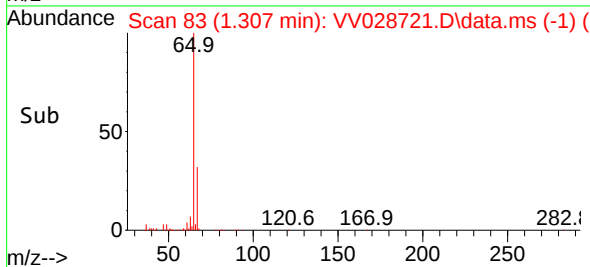
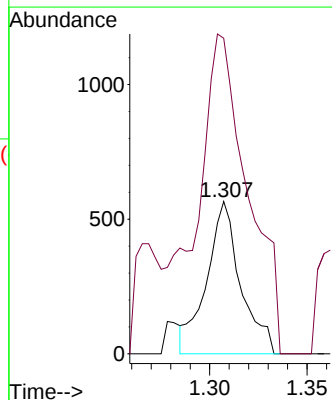
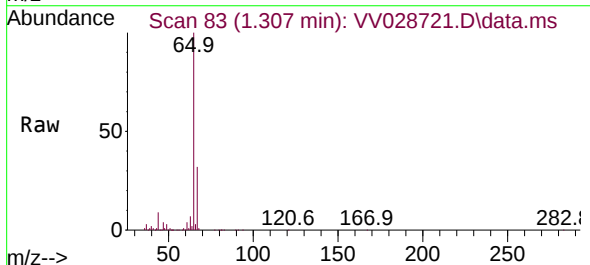
Instrument :
MSVOA_V
ClientSampleId :
BHA56

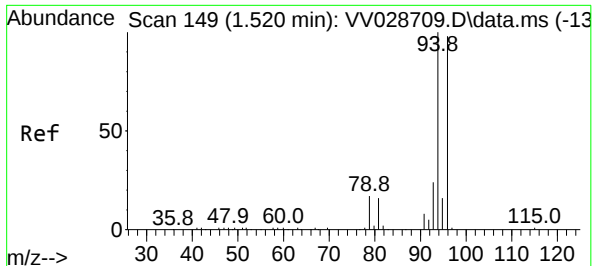
Tgt Ion: 50 Resp: 2291
Ion Ratio Lower Upper
50 100
52 29.0 21.8 40.6



#5
Vinyl chloride
Concen: 0.049 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.000 min
Lab File: VV028721.D
Acq: 27 Oct 2022 15:36

Tgt Ion: 62 Resp: 686
Ion Ratio Lower Upper
62 100
64 207.1 22.0 41.0#

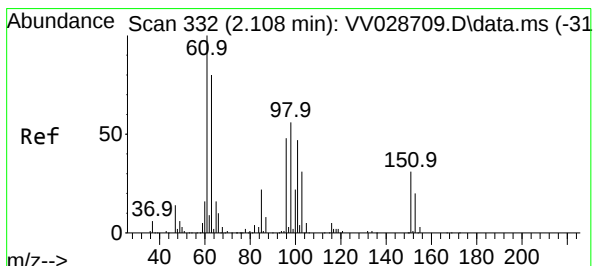
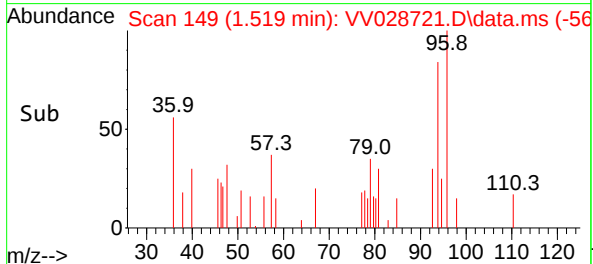
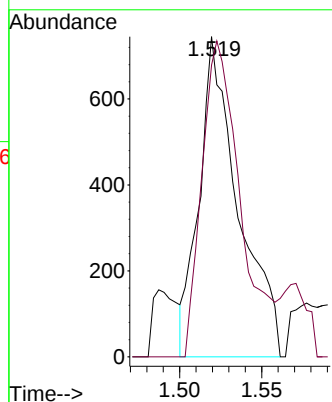
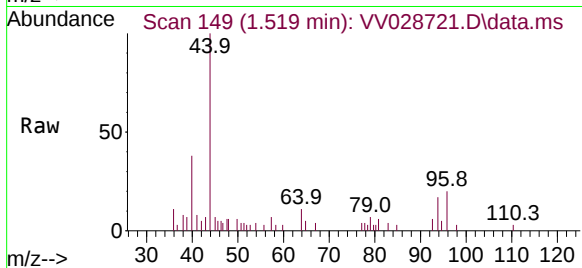




#6
Bromomethane
Concen: 0.184 ug/L
RT: 1.519 min Scan# 149
Delta R.T. -0.000 min
Lab File: VV028721.D
Acq: 27 Oct 2022 15:36

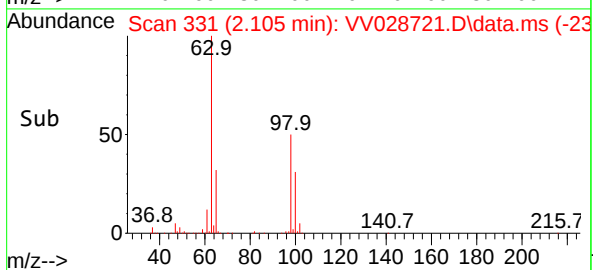
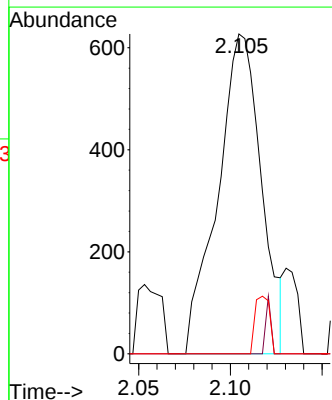
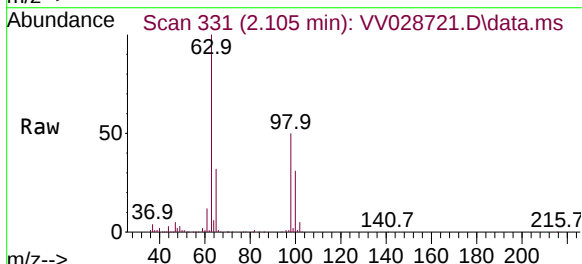
Instrument :
MSVOA_V
ClientSampleId :
BHA56

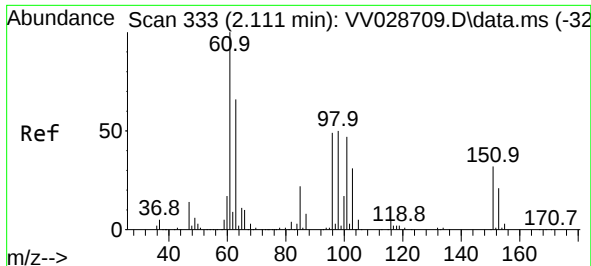
Tgt Ion: 94 Resp: 1233
Ion Ratio Lower Upper
94 100
96 91.1 64.3 119.3



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.093 ug/L
RT: 2.105 min Scan# 331
Delta R.T. -0.003 min
Lab File: VV028721.D
Acq: 27 Oct 2022 15:36

Tgt Ion:101 Resp: 1039
Ion Ratio Lower Upper
101 100
85 2.1 37.0 55.6#
151 6.0 50.2 75.2#





#12

1,1-Dichloroethene

Concen: 0.144 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV028721.D

Acq: 27 Oct 2022 15:36

Instrument :

MSVOA_V

ClientSampleId :

BHA56

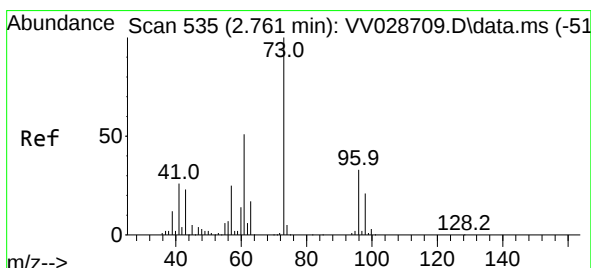
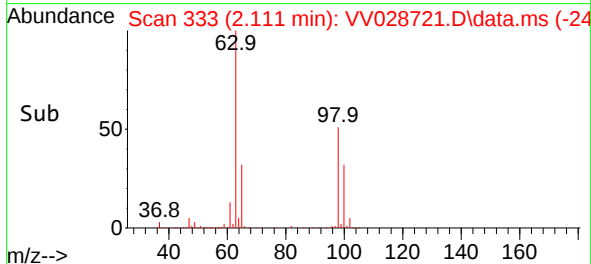
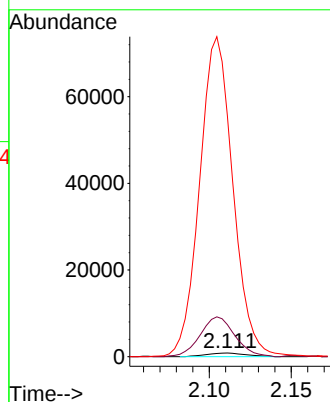
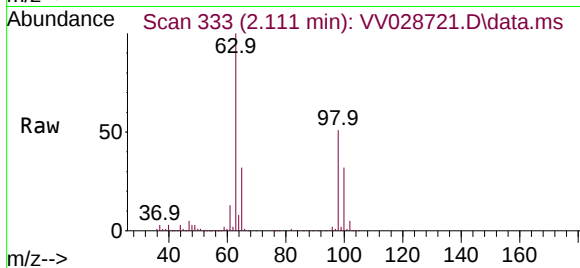
Tgt Ion: 96 Resp: 1418

Ion Ratio Lower Upper

96 100

61 862.9 148.1 275.1#

63 6485.9 133.3 247.7#



#17

Methyl tert-butyl Ether

Concen: 0.742 ug/L

RT: 2.767 min Scan# 537

Delta R.T. 0.006 min

Lab File: VV028721.D

Acq: 27 Oct 2022 15:36

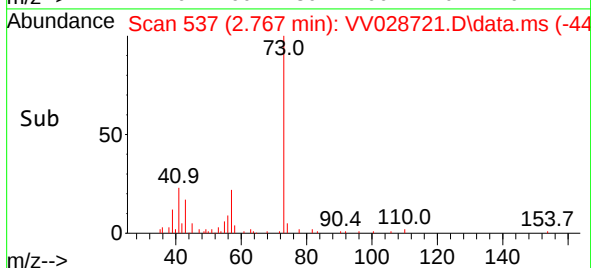
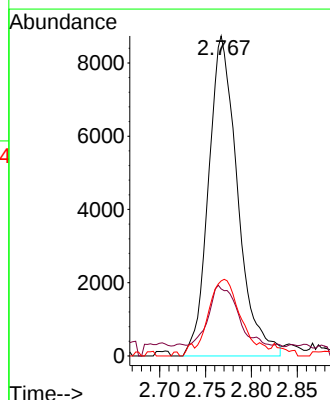
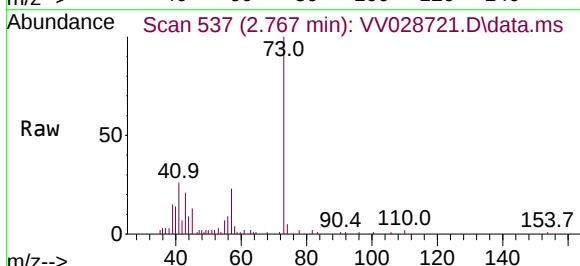
Tgt Ion: 73 Resp: 19207

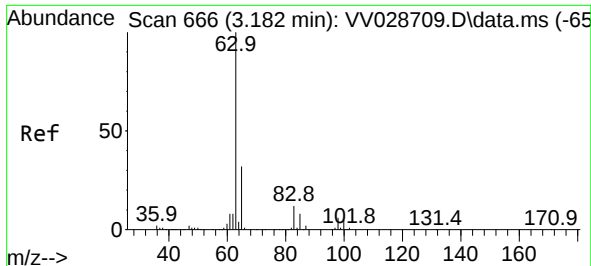
Ion Ratio Lower Upper

73 100

43 18.2 18.0 27.0

57 26.3 20.0 30.0





#19

1,1-Dichloroethane

Concen: 0.092 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.010 min

Lab File: VV028721.D

Acq: 27 Oct 2022 15:36

Instrument :

MSVOA_V

ClientSampleId :

BHA56

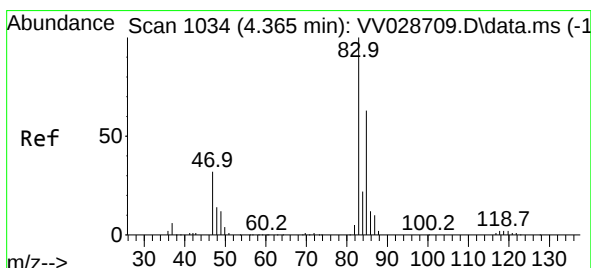
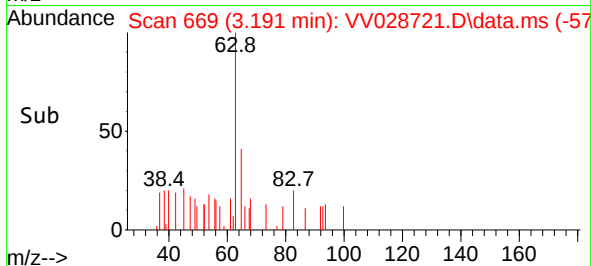
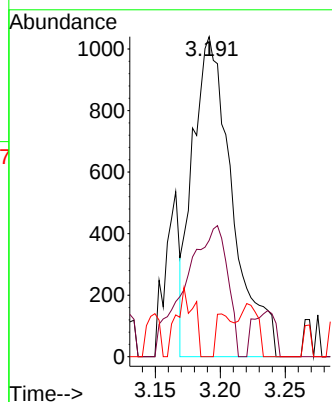
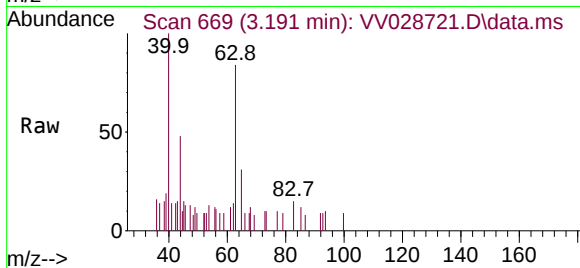
Tgt Ion: 63 Resp: 2213

Ion Ratio Lower Upper

63 100

65 36.3 23.1 42.9

83 0.0 7.9 14.7#



#25

Chloroform

Concen: 3.273 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VV028721.D

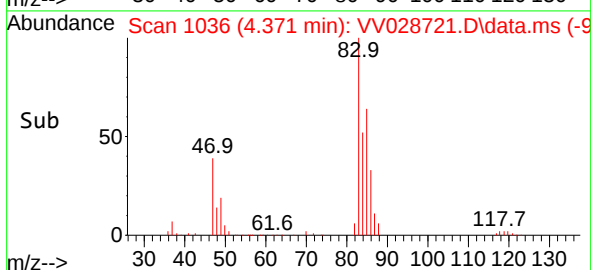
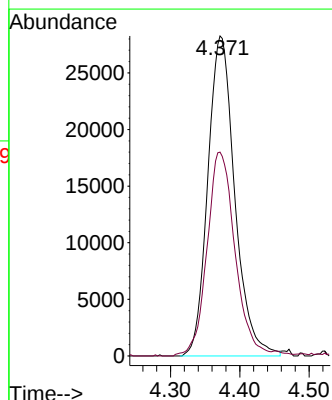
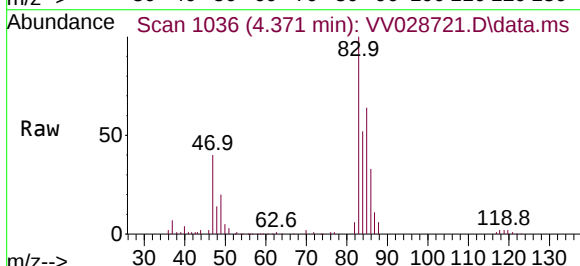
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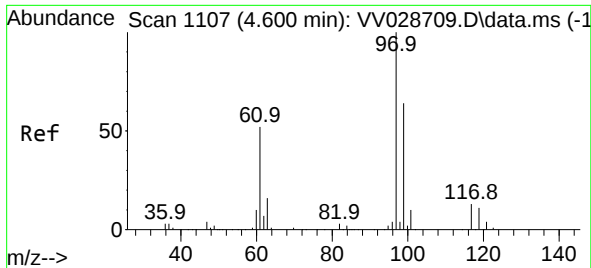
Tgt Ion: 83 Resp: 76370

Ion Ratio Lower Upper

83 100

85 63.7 44.1 81.9

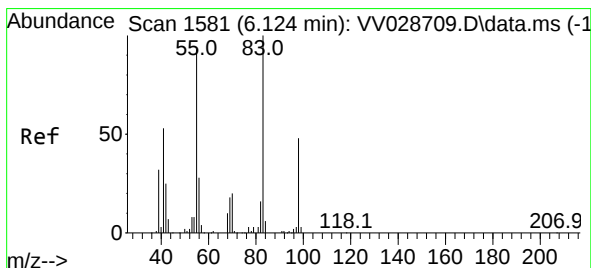
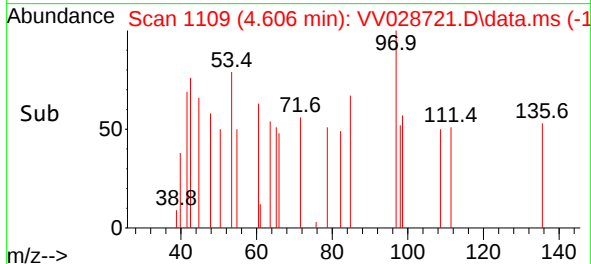
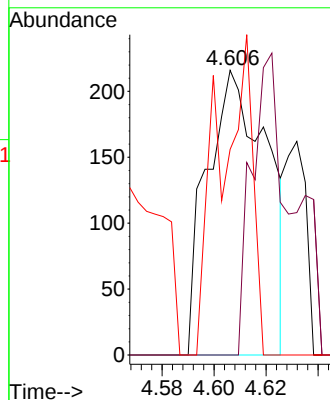
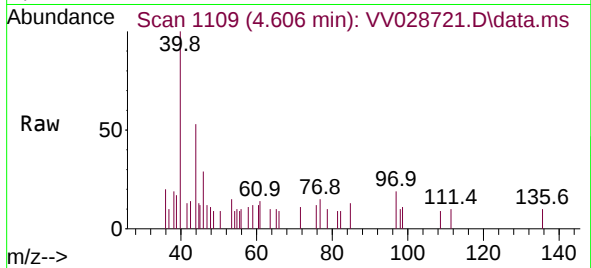




#29
1,1,1-Trichloroethane
Concen: 0.017 ug/L
RT: 4.606 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VV028721.D
Acq: 27 Oct 2022 15:36

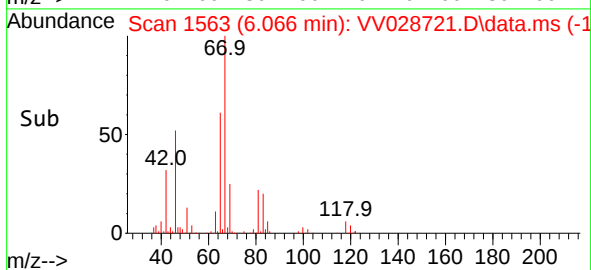
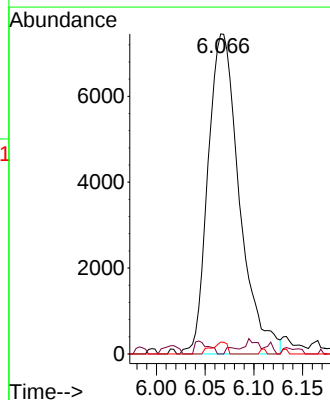
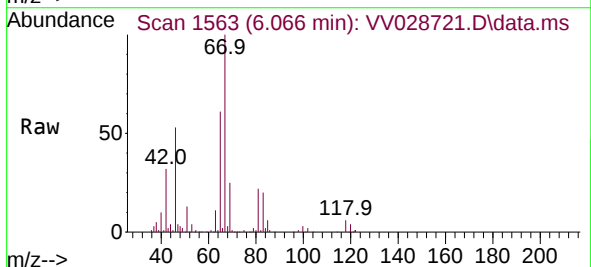
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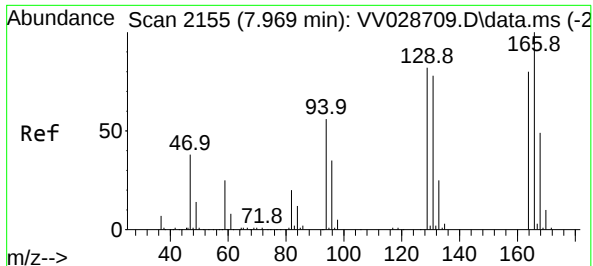
Tgt Ion: 97 Resp: 346
Ion Ratio Lower Upper
97 100
99 52.9 50.5 75.7
61 38.4 43.1 64.7#



#35
Methylcyclohexane
Concen: 0.979 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.058 min
Lab File: VV028721.D
Acq: 27 Oct 2022 15:36

Tgt Ion: 83 Resp: 16671
Ion Ratio Lower Upper
83 100
55 0.8 70.0 105.0#
98 1.8 35.6 53.4#





#47

Tetrachloroethene

Concen: 0.092 ug/L

RT: 7.976 min Scan# 2155

Delta R.T. 0.006 min

Lab File: VV028721.D

Acq: 27 Oct 2022 15:36

Instrument :

MSVOA_V

ClientSampleId :

BHA56

Tgt Ion:164 Resp: 696

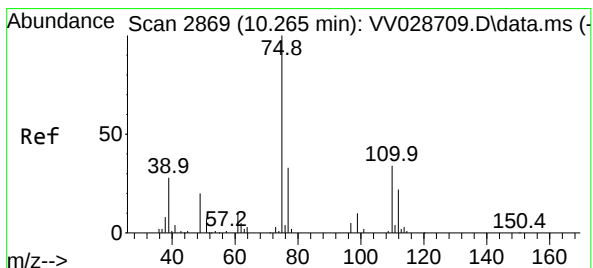
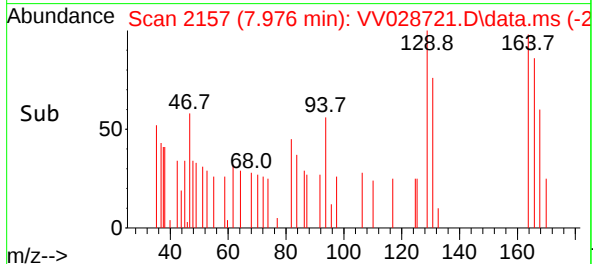
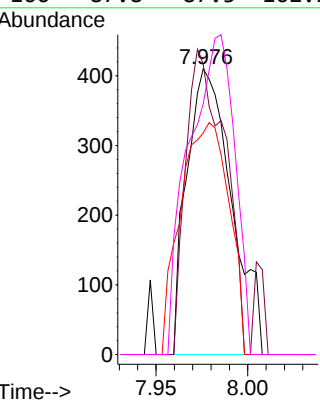
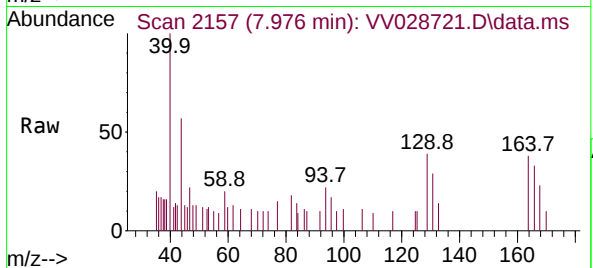
Ion Ratio Lower Upper

164 100

129 101.7 69.2 128.6

131 77.6 64.2 119.2

166 87.8 87.3 162.1



#61

1,2,3-Trichloropropane

Concen: 1.952 ug/L

RT: 11.243 min Scan# 3173

Delta R.T. 0.977 min

Lab File: VV028721.D

Acq: 27 Oct 2022 15:36

Tgt Ion: 75 Resp: 11749

Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8

110 2.8 27.9 41.9#

