

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011724\
 Data File : VW033709.D
 Acq On : 17 Jan 2024 11:00
 Operator : SY/MD
 Sample : P1062-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 18 00:03:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 18 00:02:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	110346	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	101106	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	52476	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.285	65	20141	3.338	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.800%
7) Chloroethane-d5	1.539	69	20356	3.804	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.000%
11) 1,1-Dichloroethene-d2	2.063	65	10211	3.755	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.200%
20) 2-Butanone-d5	3.809	46	65538	44.423	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.840%
24) Chloroform-d	4.252	84	55934	4.287	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
26) 1,2-Dichloroethane-d4	4.950	65	27377	4.679	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
32) Benzene-d6	4.963	84	100715	4.128	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.600%
36) 1,2-Dichloropropane-d6	5.992	67	33515	4.121	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.400%
41) Toluene-d8	7.246	98	90375	4.150	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.000%
43) trans-1,3-Dichloroprop...	7.561	79	12123	4.311	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.200%
46) 2-Hexanone-d5	8.027	63	49172	44.541	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.080%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	22583	4.752	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.000%
66) 1,2-Dichlorobenzene-d4	11.561	152	36853	4.574	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.288	62	6689	0.583	ug/L #	80
12) 1,1-Dichloroethene	2.076	96	119391	15.349	ug/L #	85
17) Methyl tert-butyl Ether	2.706	73	7095	0.403	ug/L	96
19) 1,1-Dichloroethane	3.114	63	180402	10.333	ug/L	98
22) cis-1,2-Dichloroethene	3.825	96	3794	0.412	ug/L	97
25) Chloroform	4.284	83	7882	0.492	ug/L	97
29) 1,1,1-Trichloroethane	4.513	97	15691	1.095	ug/L	99
31) Carbon tetrachloride	4.513	117	1887	0.154	ug/L	100
33) Benzene	5.018	78	7414	0.207	ug/L	100
34) Trichloroethene	5.834	95	149280	15.622	ug/L	98
35) Methylcyclohexane	5.992	83	7963	0.492	ug/L #	14
39) cis-1,3-Dichloropropene	6.921	75	943	0.074	ug/L #	14
42) Toluene	7.329	91	3978	0.105	ug/L	99
45) 1,1,2-Trichloroethane	7.783	97	951	0.192	ug/L	86
47) Tetrachloroethene	7.911	164	2315	0.337	ug/L	97
48) 2-Hexanone	8.091	43	9326	3.107	ug/L #	85
49) Dibromochloromethane	7.911	129	2040	0.331	ug/L #	11
61) 1,2,3-Trichloropropane	11.185	75	6980	1.659	ug/L #	69

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jan 18 00:02:20 2024
Response via : Initial Calibration

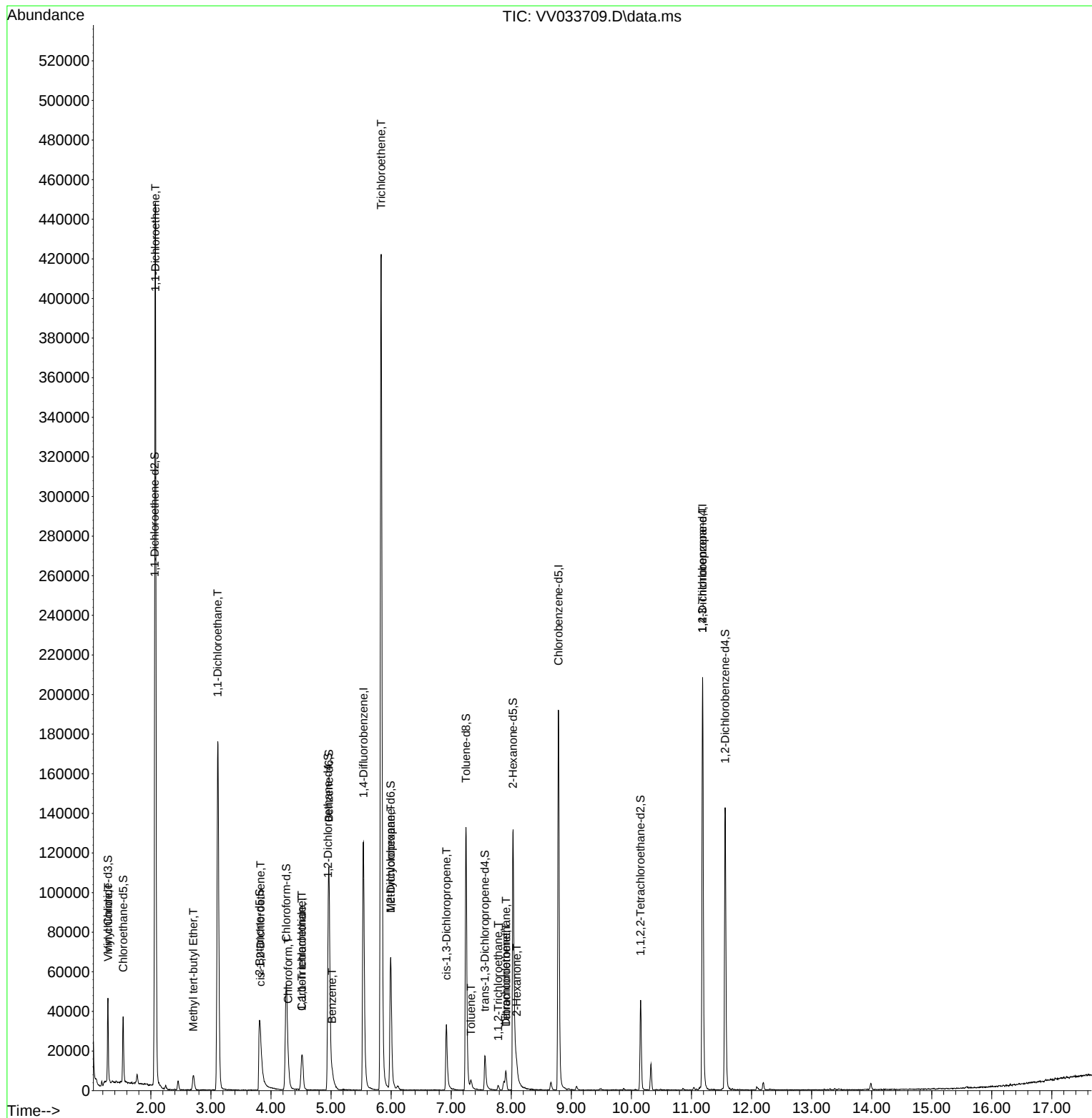
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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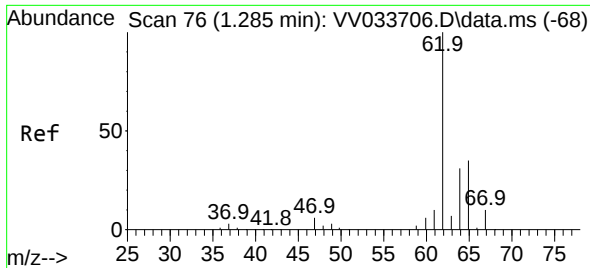
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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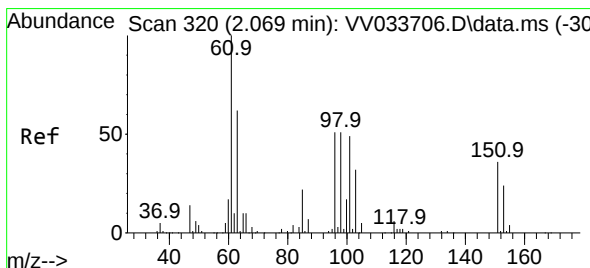
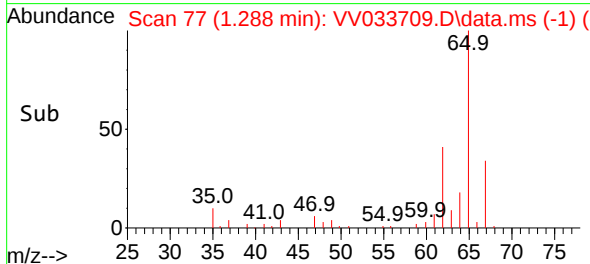
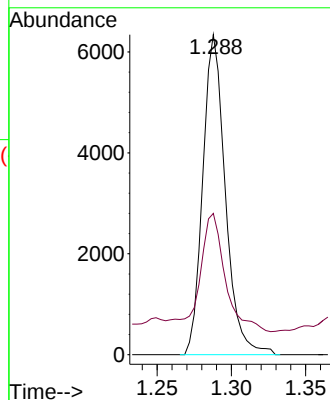
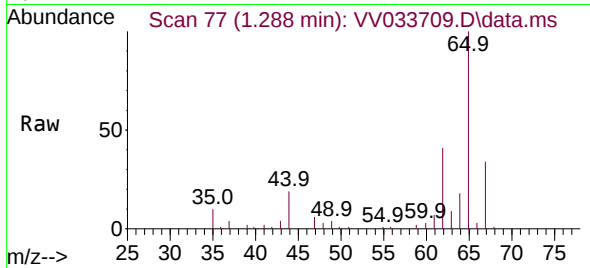




#5
 Vinyl chloride
 Concen: 0.583 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VV033709.D
 Acq: 17 Jan 2024 11:00

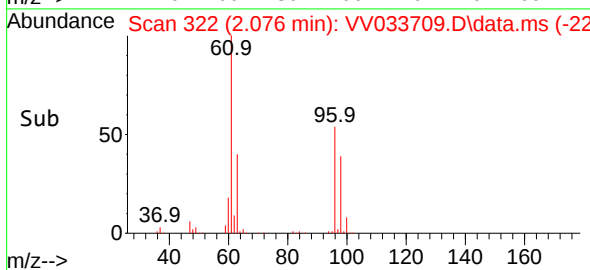
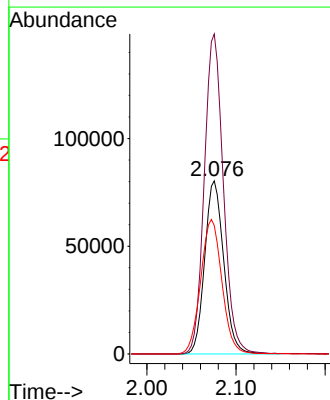
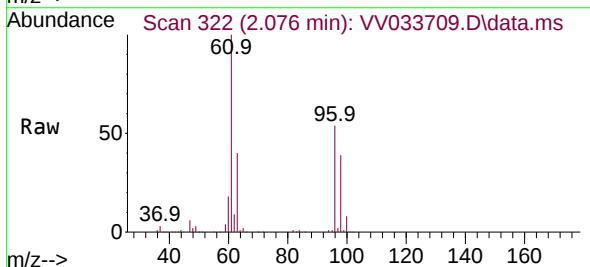
Instrument :
 MSVOA_V
 ClientSampleId :

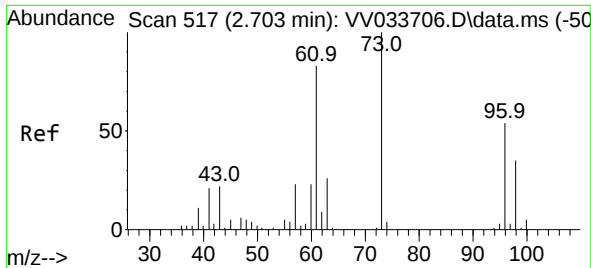
Tgt Ion: 62 Resp: 6689
 Ion Ratio Lower Upper
 62 100
 64 44.1 23.0 42.8#



#12
 1,1-Dichloroethene
 Concen: 15.349 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.006 min
 Lab File: VV033709.D
 Acq: 17 Jan 2024 11:00

Tgt Ion: 96 Resp: 119391
 Ion Ratio Lower Upper
 96 100
 61 184.9 133.8 248.4
 63 74.1 77.2 143.4#

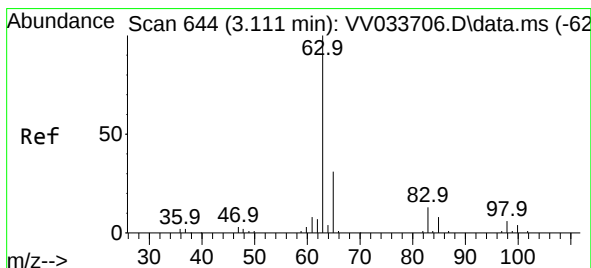
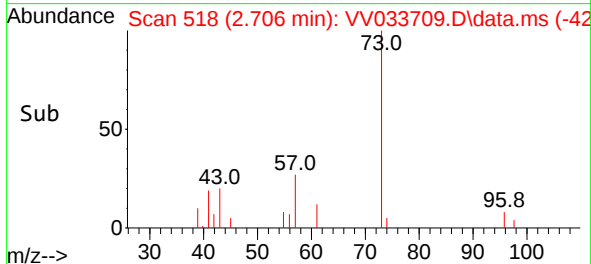
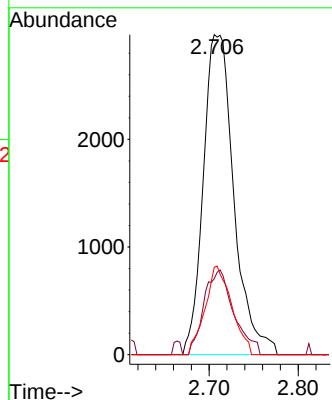
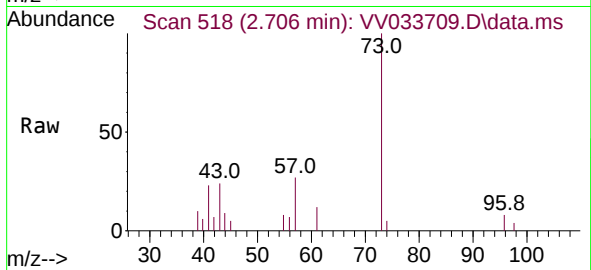




#17
Methyl tert-butyl Ether
Concen: 0.403 ug/L
RT: 2.706 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV033709.D
Acq: 17 Jan 2024 11:00

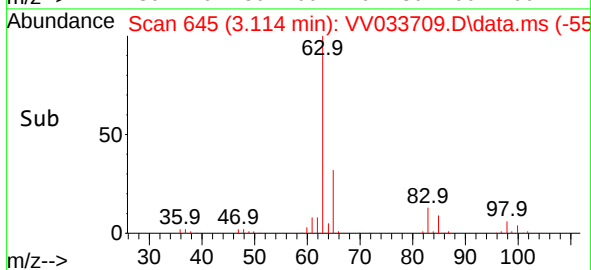
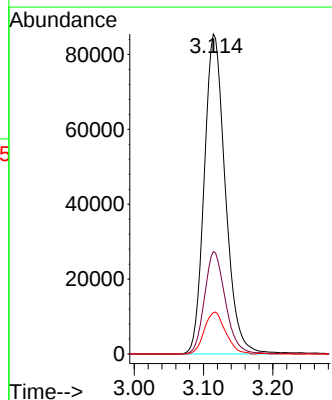
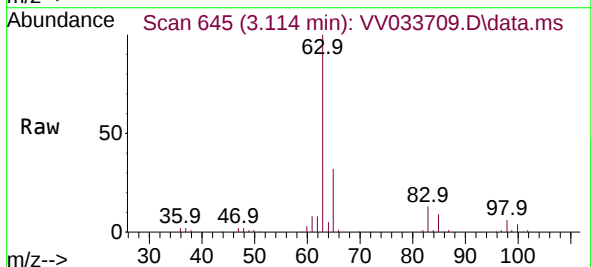
Instrument :
MSVOA_V
ClientSampleId :

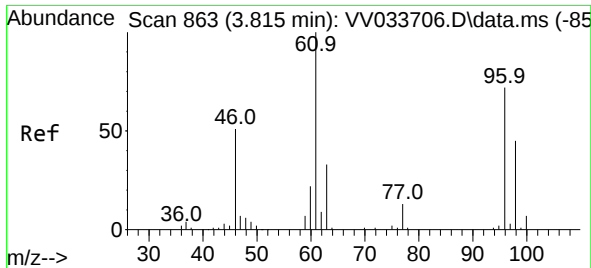
Tgt Ion: 73 Resp: 7095
Ion Ratio Lower Upper
73 100
43 25.9 17.7 26.5
57 24.1 19.5 29.3



#19
1,1-Dichloroethane
Concen: 10.333 ug/L
RT: 3.114 min Scan# 645
Delta R.T. 0.003 min
Lab File: VV033709.D
Acq: 17 Jan 2024 11:00

Tgt Ion: 63 Resp: 180402
Ion Ratio Lower Upper
63 100
65 32.0 21.6 40.2
83 12.9 9.1 16.9

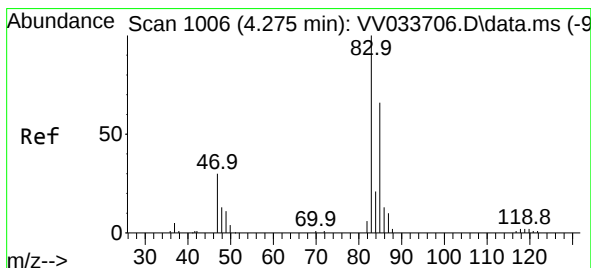
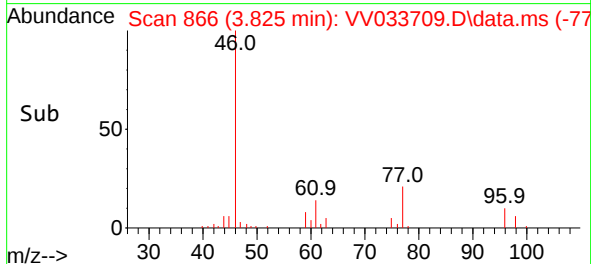
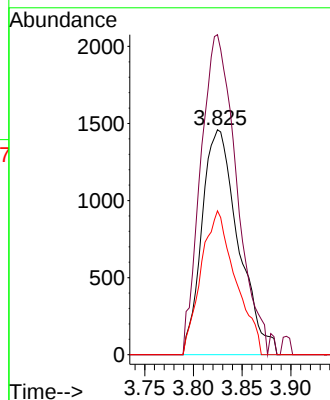
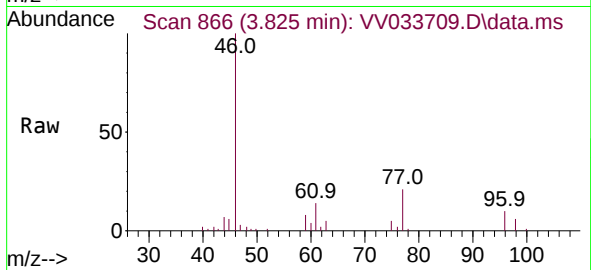




#22
 cis-1,2-Dichloroethene
 Concen: 0.412 ug/L
 RT: 3.825 min Scan# 80
 Delta R.T. 0.009 min
 Lab File: VV033709.D
 Acq: 17 Jan 2024 11:00

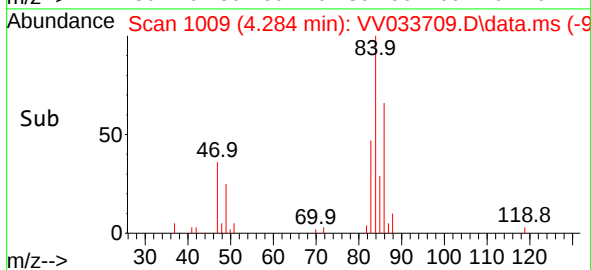
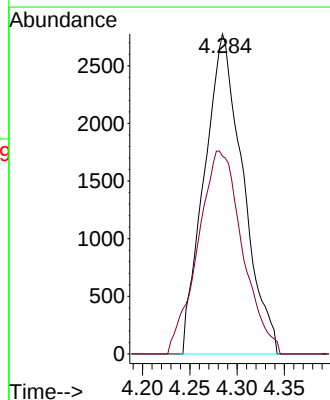
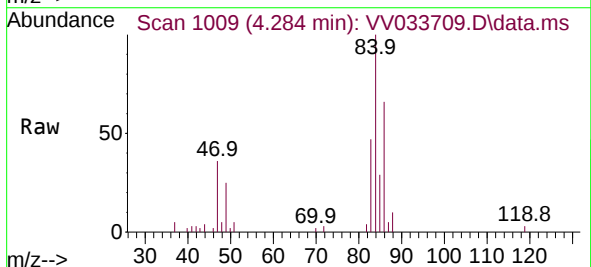
Instrument :
 MSVOA_V
 ClientSampleId :

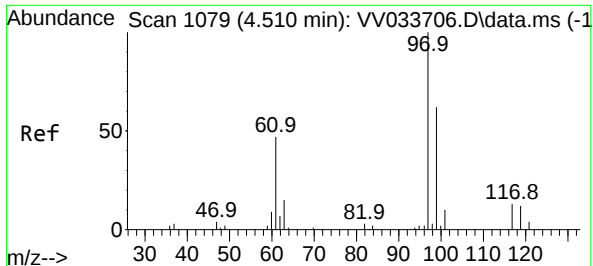
Tgt Ion: 96 Resp: 3794
 Ion Ratio Lower Upper
 96 100
 61 142.2 97.1 180.3
 98 63.9 42.6 79.0



#25
 Chloroform
 Concen: 0.492 ug/L
 RT: 4.284 min Scan# 1009
 Delta R.T. 0.009 min
 Lab File: VV033709.D
 Acq: 17 Jan 2024 11:00

Tgt Ion: 83 Resp: 7882
 Ion Ratio Lower Upper
 83 100
 85 61.9 45.1 83.9





#29

1,1,1-Trichloroethane

Concen: 1.095 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV033709.D

Acq: 17 Jan 2024 11:00

Instrument :

MSVOA_V

ClientSampleId :

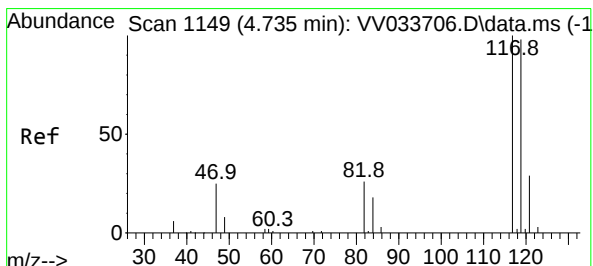
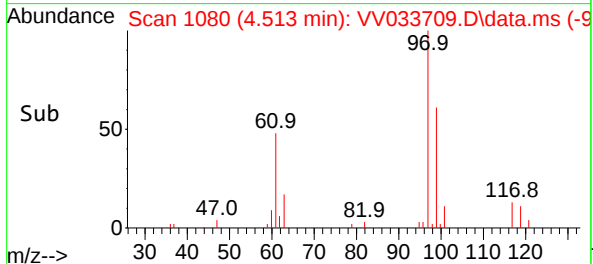
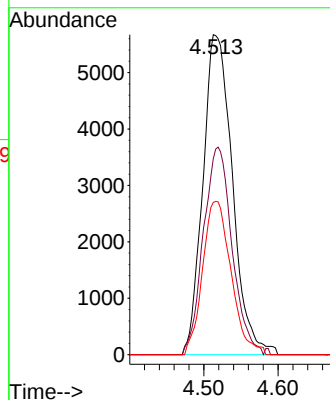
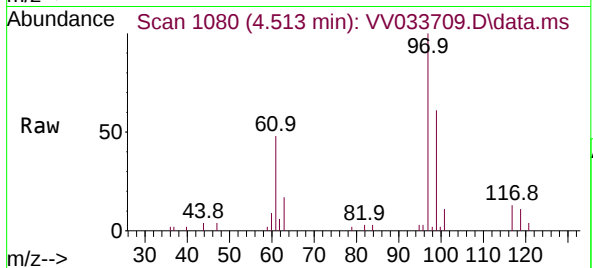
Tgt Ion: 97 Resp: 15691

Ion Ratio Lower Upper

97 100

99 63.0 50.8 76.2

61 46.2 38.1 57.1



#31

Carbon tetrachloride

Concen: 0.154 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.222 min

Lab File: VV033709.D

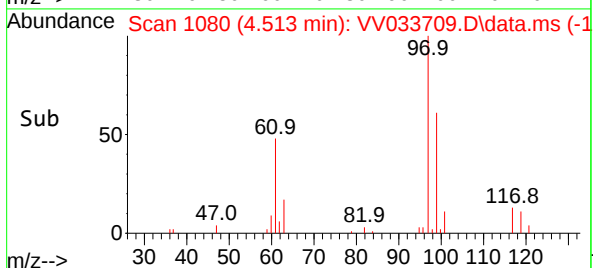
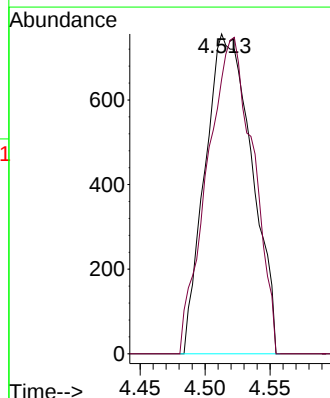
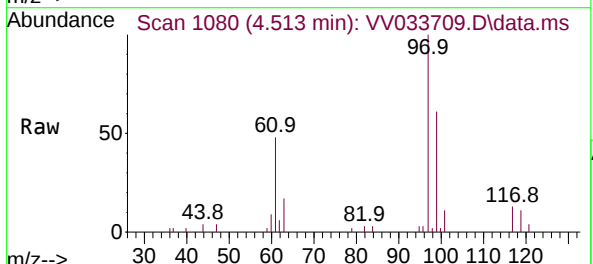
Acq: 17 Jan 2024 11:00

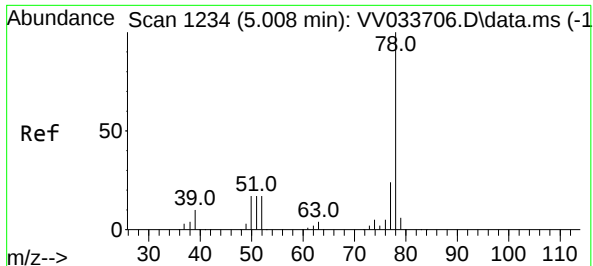
Tgt Ion: 117 Resp: 1887

Ion Ratio Lower Upper

117 100

119 97.8 78.3 117.5

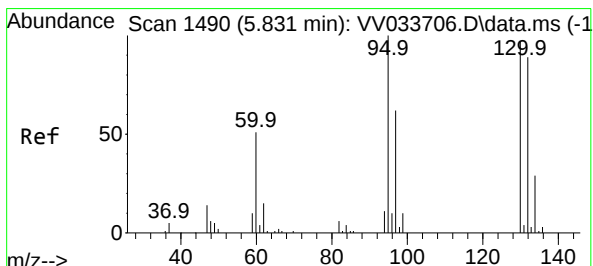
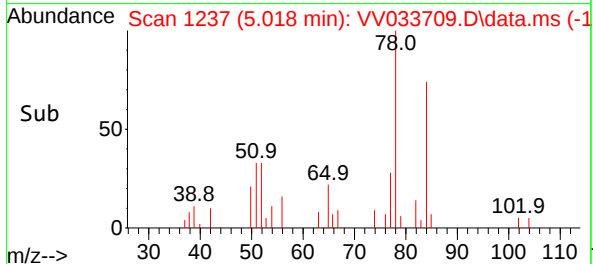
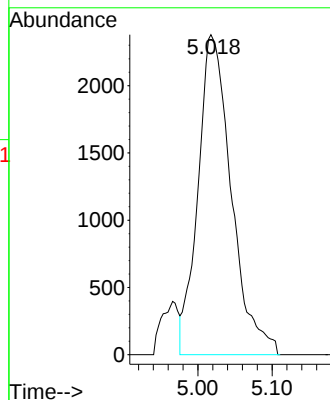
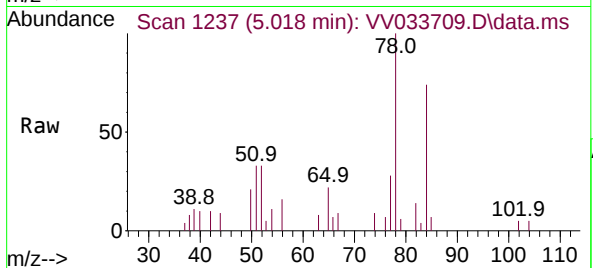




#33
Benzene
Concen: 0.207 ug/L
RT: 5.018 min Scan# 11
Delta R.T. 0.009 min
Lab File: VV033709.D
Acq: 17 Jan 2024 11:00

Instrument :
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ClientSampleId :

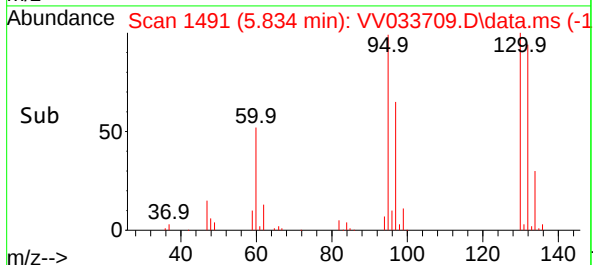
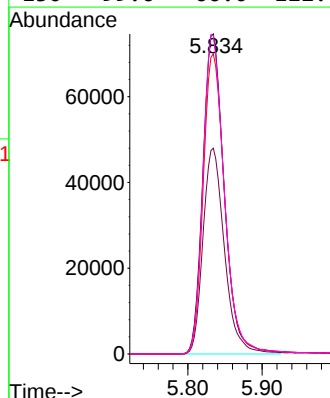
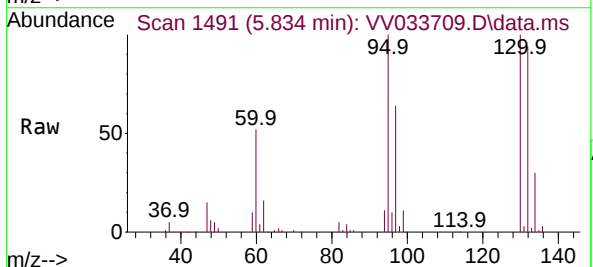
Tgt Ion: 78 Resp: 7414

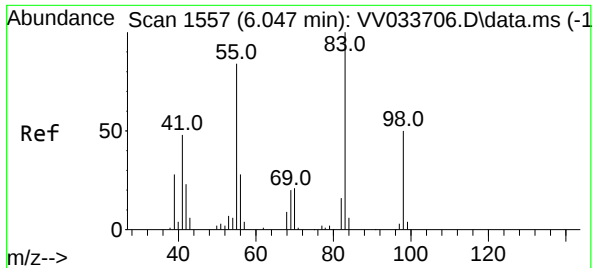


#34
Trichloroethene
Concen: 15.622 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.003 min
Lab File: VV033709.D
Acq: 17 Jan 2024 11:00

Tgt Ion: 95 Resp: 149280

Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.1	83.9
132	93.8	65.2	121.2
130	99.6	66.0	122.6

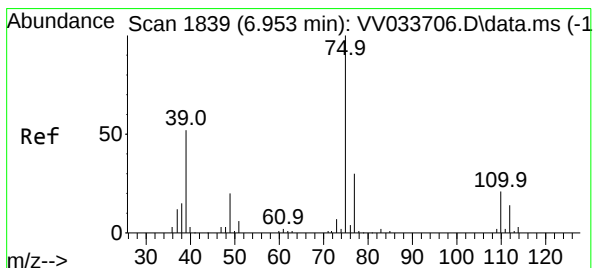
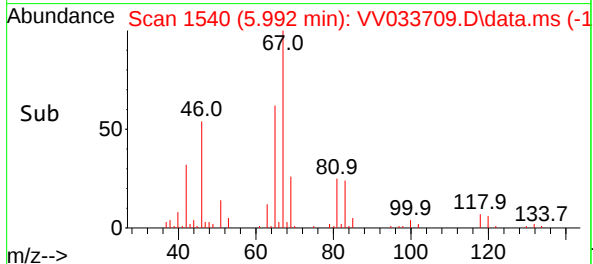
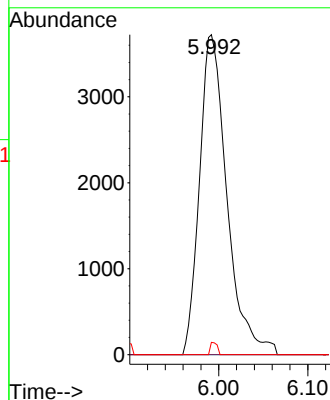
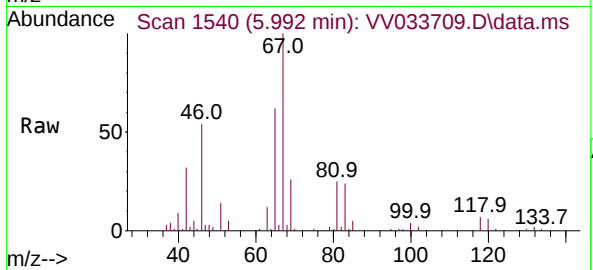




#35
Methylcyclohexane
Concen: 0.492 ug/L
RT: 5.992 min Scan# 11
Delta R.T. -0.055 min
Lab File: VV033709.D
Acq: 17 Jan 2024 11:00

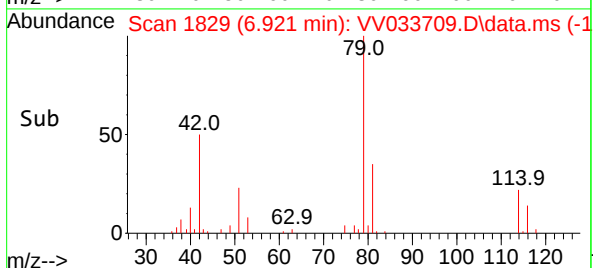
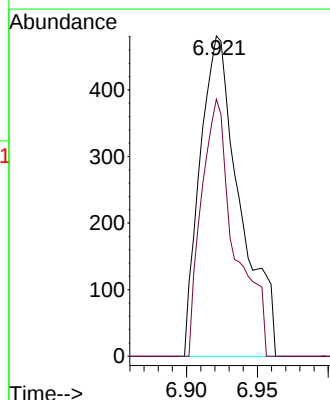
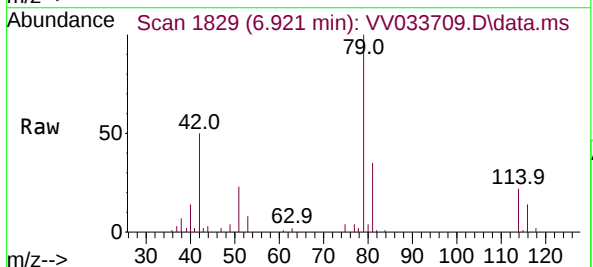
Instrument :
MSVOA_V
ClientSampleId :

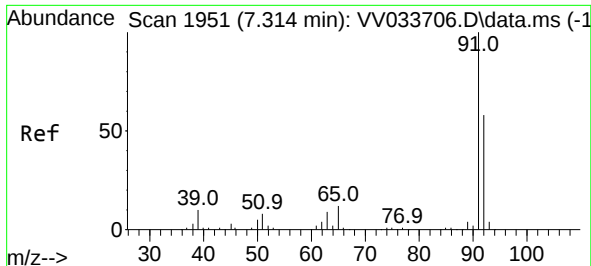
Tgt Ion: 83 Resp: 7963
Ion Ratio Lower Upper
83 100
55 0.0 68.7 103.1#
98 0.0 38.3 57.5#



#39
cis-1,3-Dichloropropene
Concen: 0.074 ug/L
RT: 6.921 min Scan# 1829
Delta R.T. -0.032 min
Lab File: VV033709.D
Acq: 17 Jan 2024 11:00

Tgt Ion: 75 Resp: 943
Ion Ratio Lower Upper
75 100
77 80.2 22.5 41.7#





#42

Toluene

Concen: 0.105 ug/L

RT: 7.329 min Scan# 1956

Delta R.T. 0.016 min

Lab File: VV033709.D

Acq: 17 Jan 2024 11:00

Instrument :

MSVOA_V

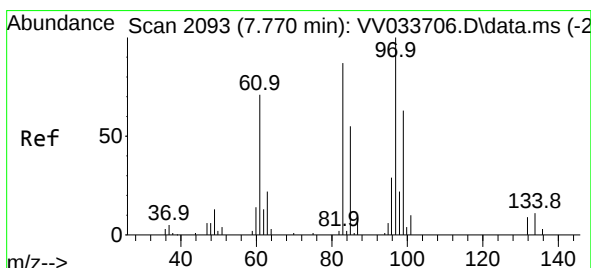
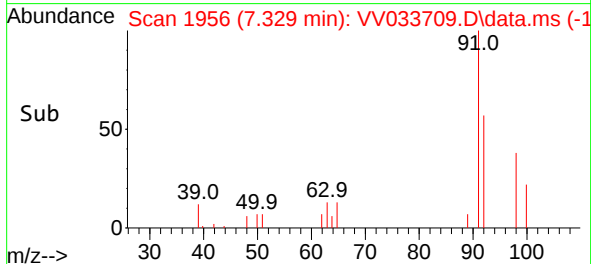
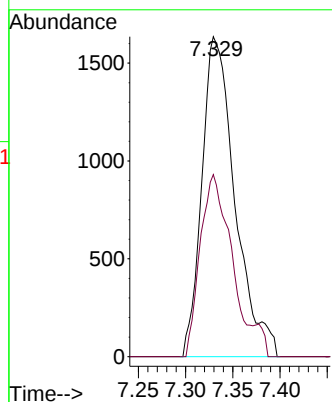
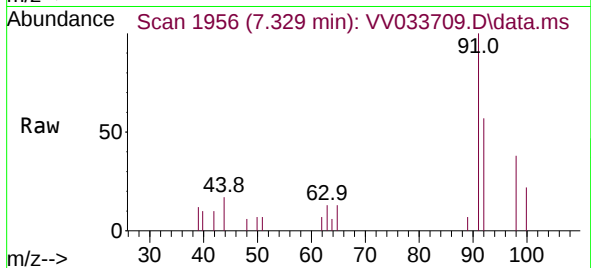
ClientSampleId :

Tgt Ion: 91 Resp: 3978

Ion Ratio Lower Upper

91 100

92 56.9 40.5 75.3



#45

1,1,2-Trichloroethane

Concen: 0.192 ug/L

RT: 7.783 min Scan# 2097

Delta R.T. 0.013 min

Lab File: VV033709.D

Acq: 17 Jan 2024 11:00

Tgt Ion: 97 Resp: 951

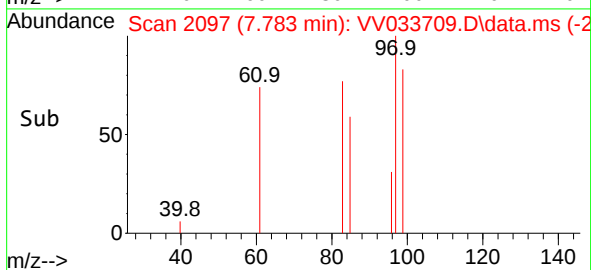
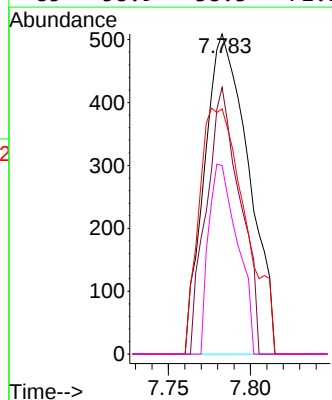
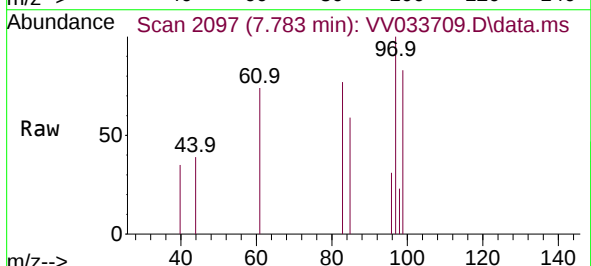
Ion Ratio Lower Upper

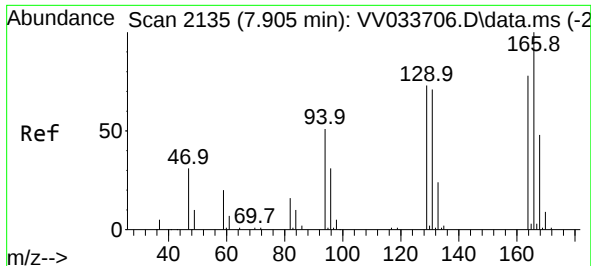
97 100

99 83.3 44.9 83.3

83 76.6 60.5 112.3

85 58.9 38.3 71.1





#47

Tetrachloroethene

Concen: 0.337 ug/L

RT: 7.911 min Scan# 2135

Delta R.T. 0.006 min

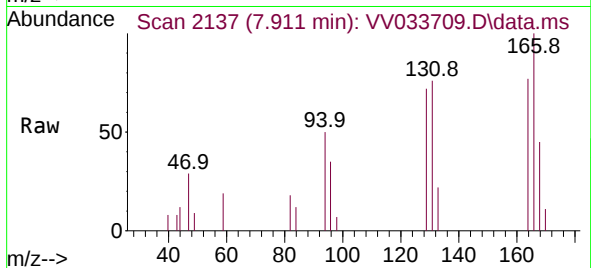
Lab File: VV033709.D

Acq: 17 Jan 2024 11:00

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 2315

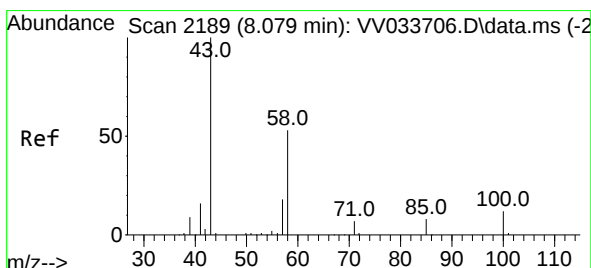
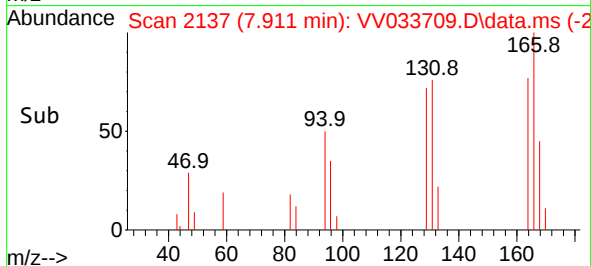
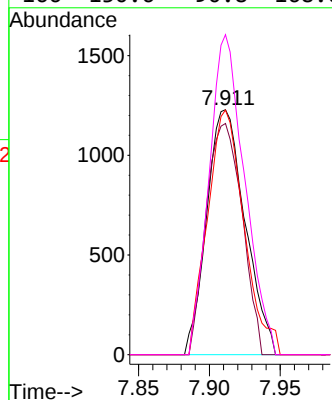
Ion Ratio Lower Upper

164 100

129 94.4 67.1 124.7

131 99.8 65.0 120.6

166 130.6 90.8 168.6



#48

2-Hexanone

Concen: 3.107 ug/L

RT: 8.091 min Scan# 2193

Delta R.T. 0.013 min

Lab File: VV033709.D

Acq: 17 Jan 2024 11:00

Tgt Ion: 43 Resp: 9326

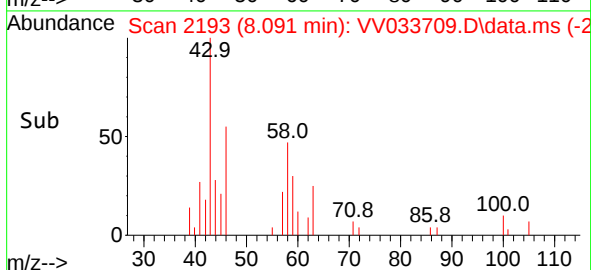
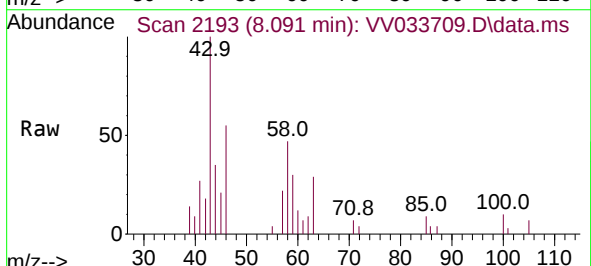
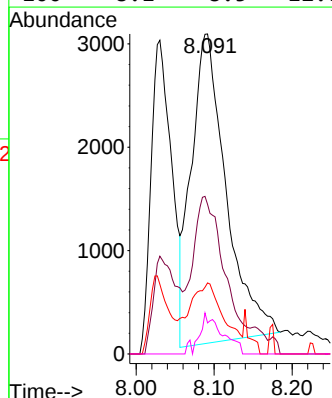
Ion Ratio Lower Upper

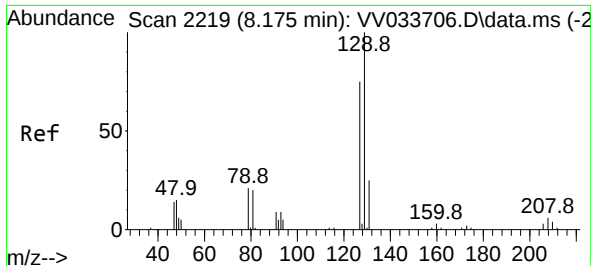
43 100

58 37.0 40.6 61.0#

57 20.6 13.8 20.8

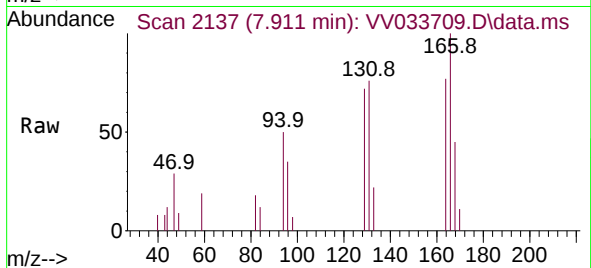
100 8.1 8.5 12.7#



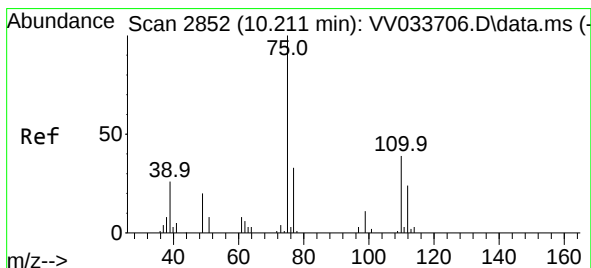
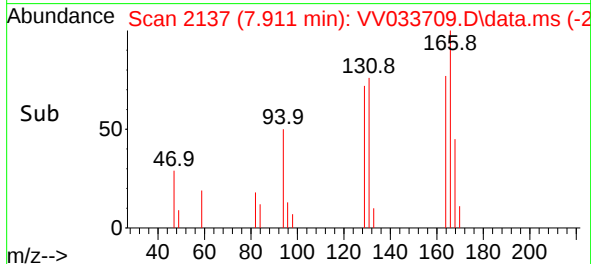
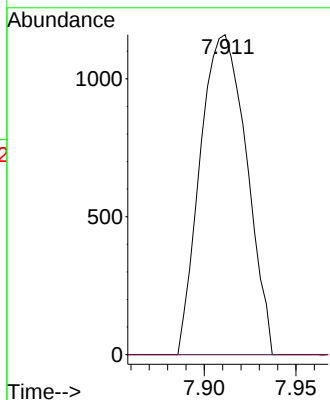


#49
Dibromochloromethane
Concen: 0.331 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.264 min
Lab File: VV033709.D
Acq: 17 Jan 2024 11:00

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:129 Resp: 2040
Ion Ratio Lower Upper
129 100
127 0.0 53.6 99.6#



#61
1,2,3-Trichloropropane
Concen: 1.659 ug/L
RT: 11.185 min Scan# 3155
Delta R.T. 0.974 min
Lab File: VV033709.D
Acq: 17 Jan 2024 11:00

Tgt Ion: 75 Resp: 6980
Ion Ratio Lower Upper
75 100
77 33.5 24.7 37.1
110 3.1 28.0 42.0#

