

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011224\
 Data File : VV033613.D
 Acq On : 12 Jan 2024 22:41
 Operator : SY/MD
 Sample : P1121-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 13 00:58:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jan 13 00:29:44 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	119101	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	110855	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	56262	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	29945	4.598	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.000%
7) Chloroethane-d5	1.535	69	27246	4.717	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.400%
11) 1,1-Dichloroethene-d2	2.063	65	13984	4.765	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.200%
20) 2-Butanone-d5	3.799	46	75651	47.509	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.020%
24) Chloroform-d	4.252	84	68847	4.888	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
26) 1,2-Dichloroethane-d4	4.947	65	33894	5.367	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.400%
32) Benzene-d6	4.963	84	131771	4.926	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
36) 1,2-Dichloropropane-d6	5.992	67	43997	4.934	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.246	98	116495	4.879	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
43) trans-1,3-Dichloroprop...	7.561	79	14422	4.678	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.600%
46) 2-Hexanone-d5	8.027	63	59651	49.281	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.560%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	26632	5.111	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.200%
66) 1,2-Dichlorobenzene-d4	11.561	152	43713	5.060	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.285	62	3349	0.270	ug/L #	66
8) Chloroethane	1.285	64	1378	0.183	ug/L	94
12) 1,1-Dichloroethene	2.072	96	2313	0.276	ug/L #	1
13) Acetone	2.130	43	2303	1.782	ug/L	93
17) Methyl tert-butyl Ether	2.709	73	6999	0.368	ug/L #	94
19) 1,1-Dichloroethane	3.121	63	8436	0.448	ug/L	97
22) cis-1,2-Dichloroethene	3.825	96	7321	0.737	ug/L	95
29) 1,1,1-Trichloroethane	4.522	97	2200	0.140	ug/L	93
34) Trichloroethene	5.834	95	41925	4.002	ug/L	95
35) Methylcyclohexane	5.992	83	10235	0.577	ug/L #	15
37) 1,2-Dichloropropane	5.989	63	4992	0.511	ug/L #	87
39) cis-1,3-Dichloropropene	6.924	75	1171	0.084	ug/L #	69
42) Toluene	7.323	91	51090	1.227	ug/L	100
47) Tetrachloroethene	7.908	164	8045	1.069	ug/L	98
48) 2-Hexanone	8.088	43	8957	2.721	ug/L #	85
49) Dibromochloromethane	7.908	129	7567	1.119	ug/L #	11
53) m,p-Xylene	9.085	106	1772	0.100	ug/L	90
61) 1,2,3-Trichloropropane	11.185	75	7621	1.690	ug/L #	66
71) Naphthalene	13.455	128	1312	0.062	ug/L #	74

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jan 13 00:29:44 2024
Response via : Initial Calibration

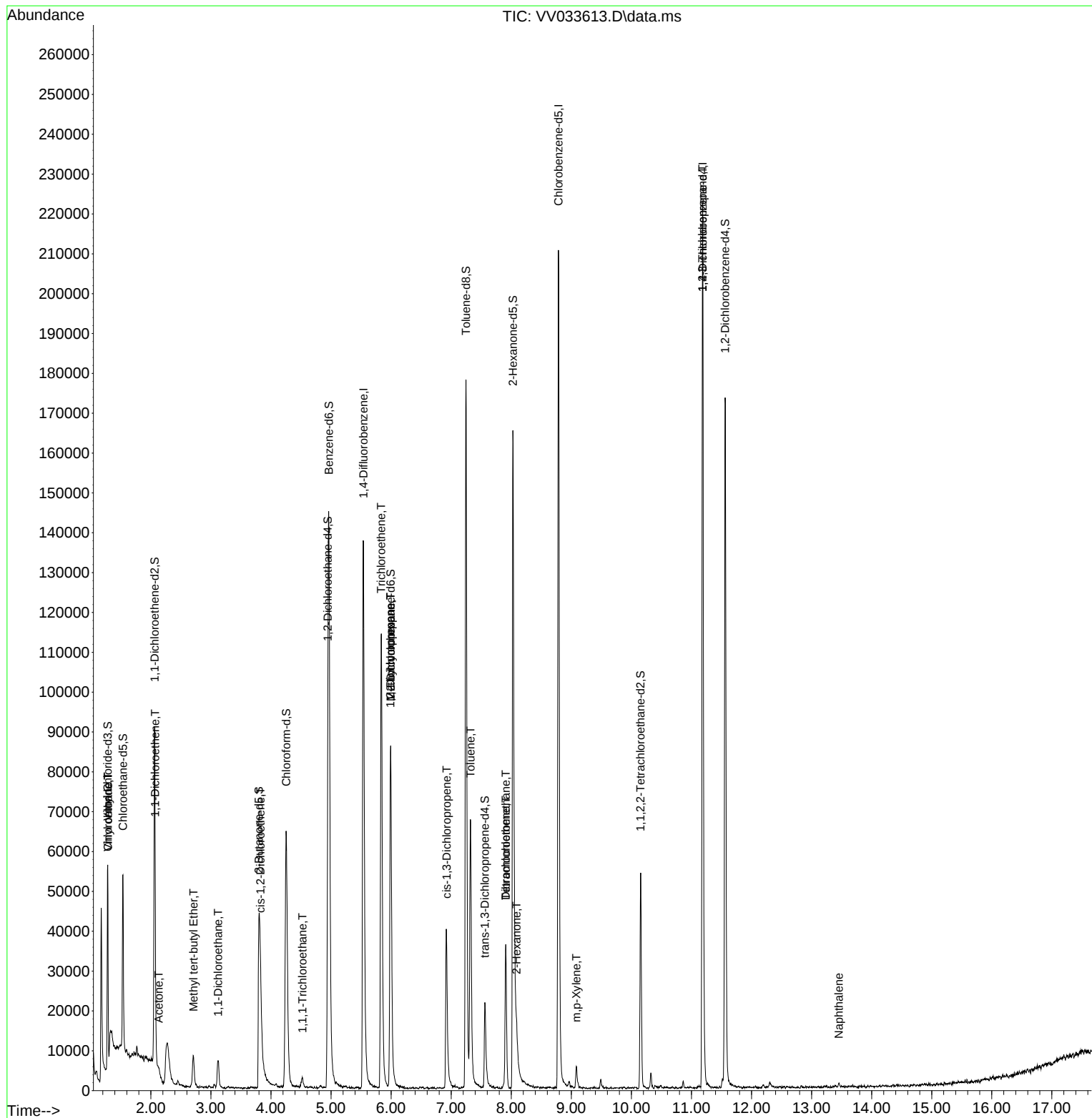
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

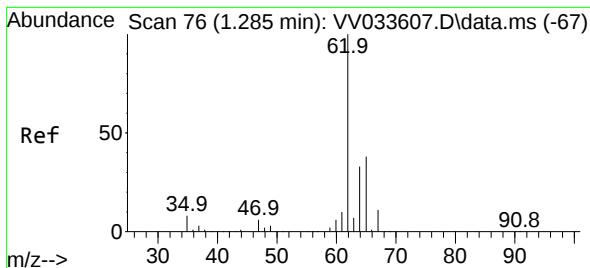
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.270 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV033613.D

Acq: 12 Jan 2024 22:41

Instrument :

MSVOA_V

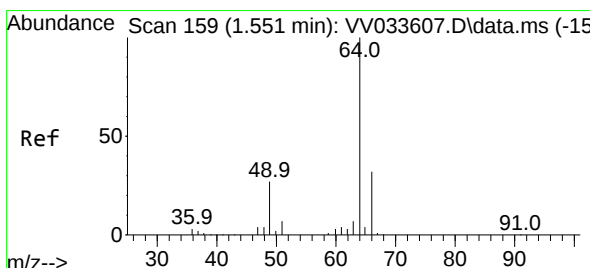
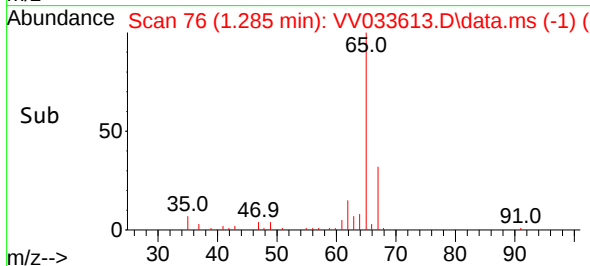
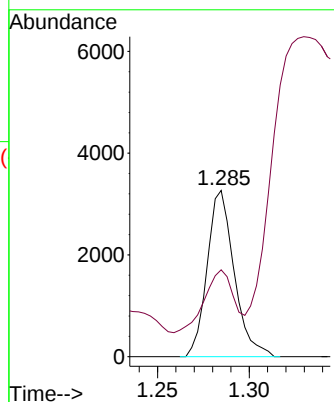
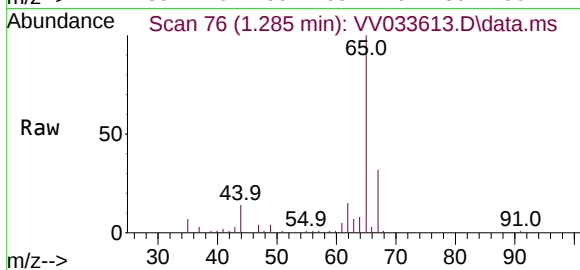
ClientSampleId :

Tgt Ion: 62 Resp: 3349

Ion Ratio Lower Upper

62 100

64 52.2 23.0 42.8#



#8

Chloroethane

Concen: 0.183 ug/L

RT: 1.285 min Scan# 76

Delta R.T. -0.267 min

Lab File: VV033613.D

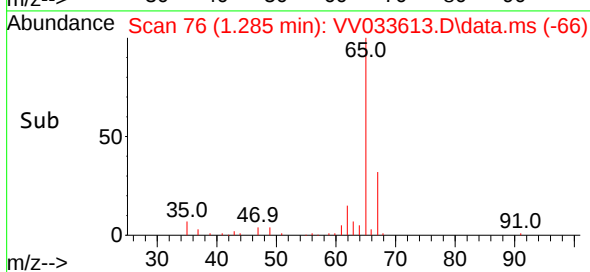
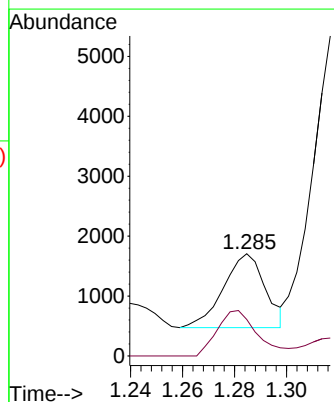
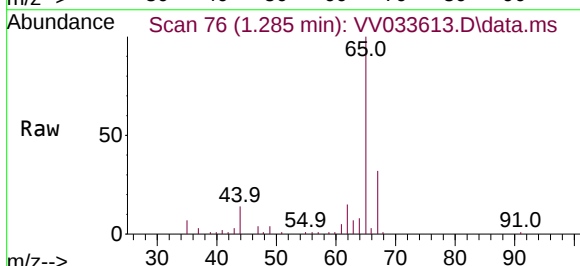
Acq: 12 Jan 2024 22:41

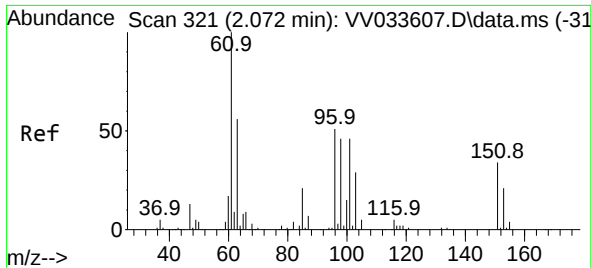
Tgt Ion: 64 Resp: 1378

Ion Ratio Lower Upper

64 100

66 35.7 22.6 42.0





#12

1,1-Dichloroethene

Concen: 0.276 ug/L

RT: 2.072 min Scan# 31

Delta R.T. 0.000 min

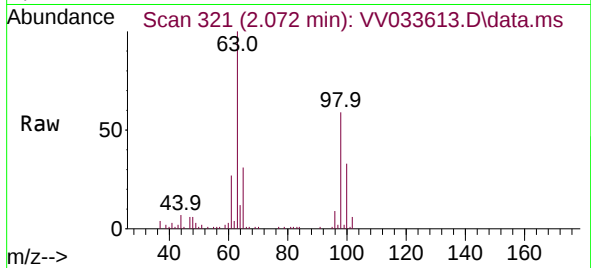
Lab File: VV033613.D

Acq: 12 Jan 2024 22:41

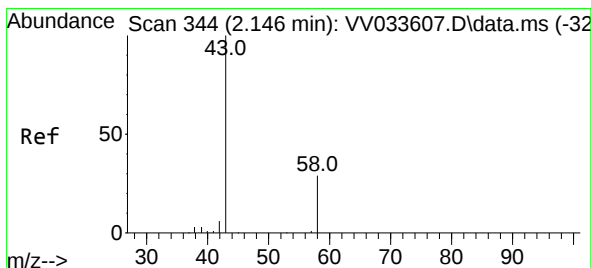
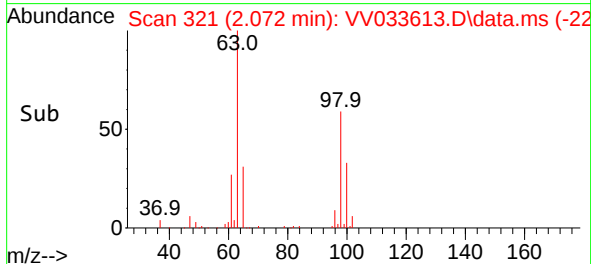
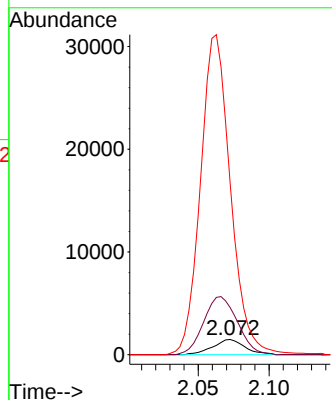
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	96	Resp:	2313
Ion	Ratio	Lower	Upper
96	100		
61	309.2	133.8	248.4#
63	1127.0	77.2	143.4#



#13

Acetone

Concen: 1.782 ug/L

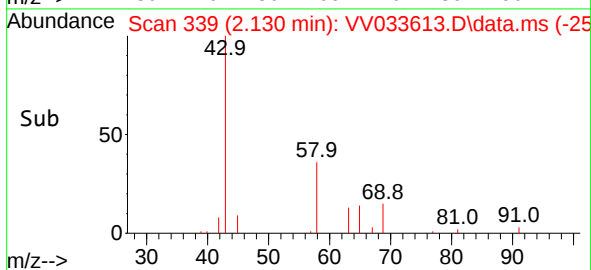
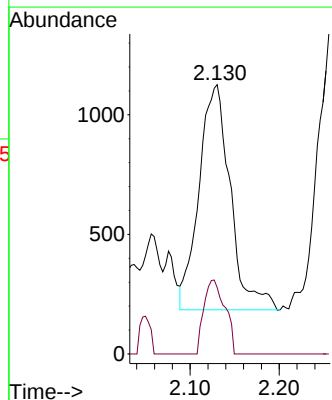
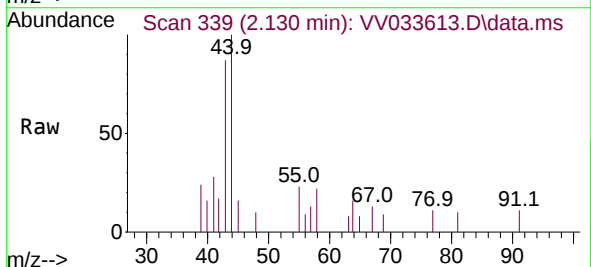
RT: 2.130 min Scan# 339

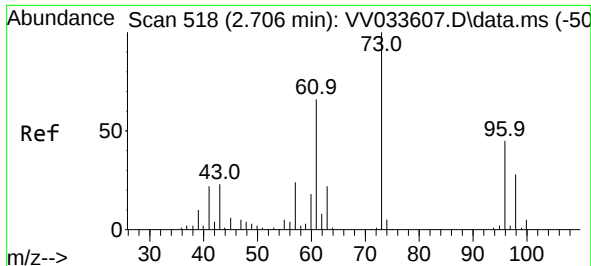
Delta R.T. -0.016 min

Lab File: VV033613.D

Acq: 12 Jan 2024 22:41

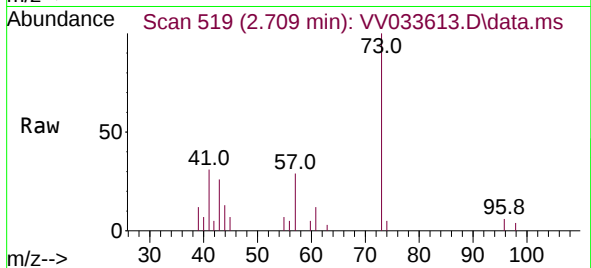
Tgt Ion:	43	Resp:	2303
Ion	Ratio	Lower	Upper
43	100		
58	22.0	0.0	51.0



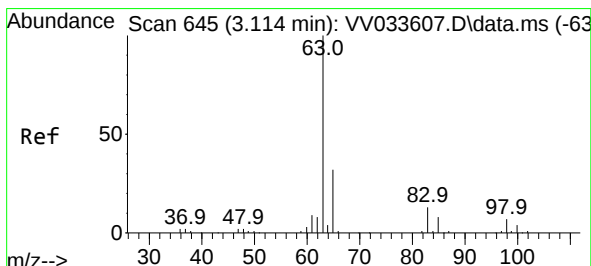
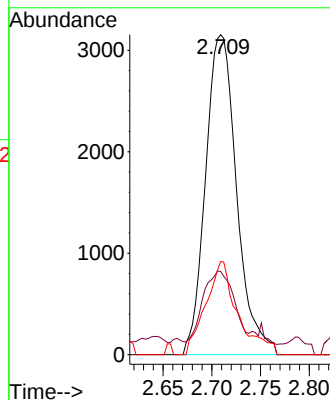
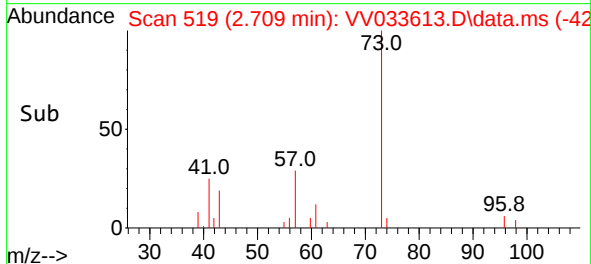


#17
Methyl tert-butyl Ether
Concen: 0.368 ug/L
RT: 2.709 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV033613.D
Acq: 12 Jan 2024 22:41

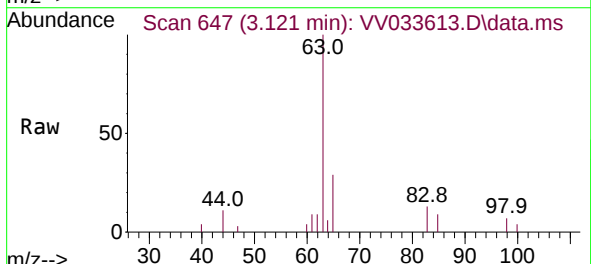
Instrument :
MSVOA_V
ClientSampleId :



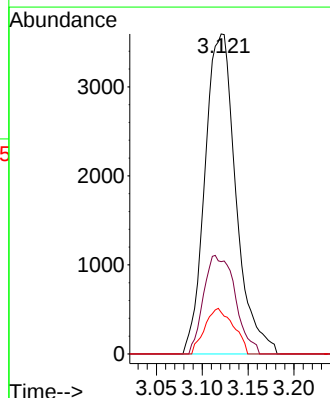
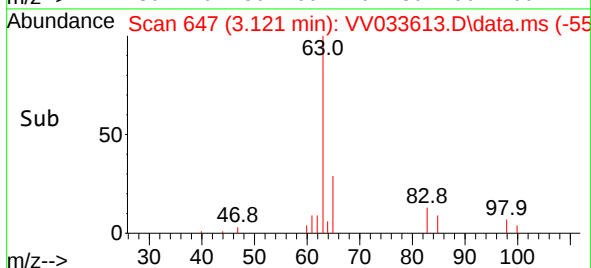
Tgt Ion: 73 Resp: 6999
Ion Ratio Lower Upper
73 100
43 22.2 17.7 26.5
57 30.0 19.5 29.3#

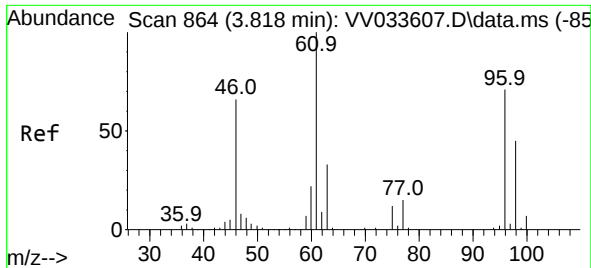


#19
1,1-Dichloroethane
Concen: 0.448 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.007 min
Lab File: VV033613.D
Acq: 12 Jan 2024 22:41



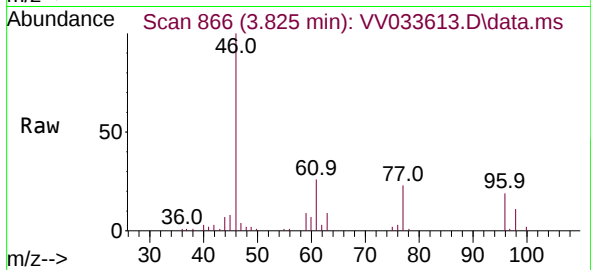
Tgt Ion: 63 Resp: 8436
Ion Ratio Lower Upper
63 100
65 28.9 21.6 40.2
83 13.0 9.1 16.9





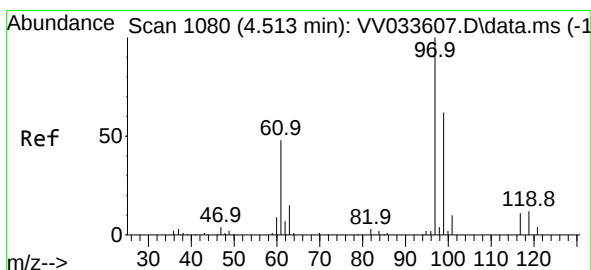
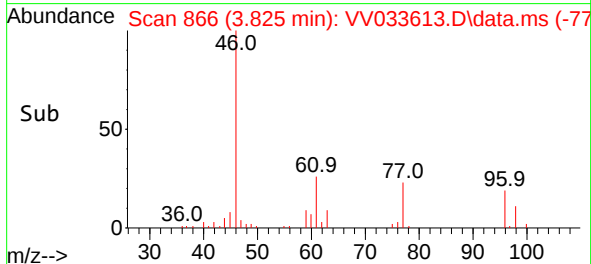
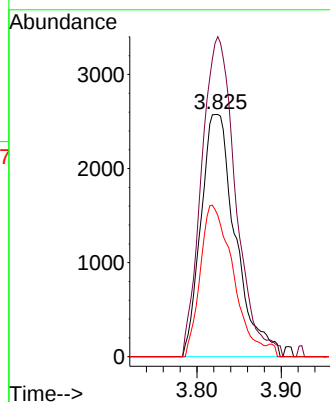
#22
 cis-1,2-Dichloroethene
 Concen: 0.737 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. 0.007 min
 Lab File: VV033613.D
 Acq: 12 Jan 2024 22:41

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 7321

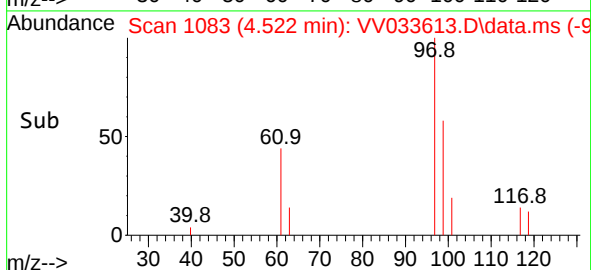
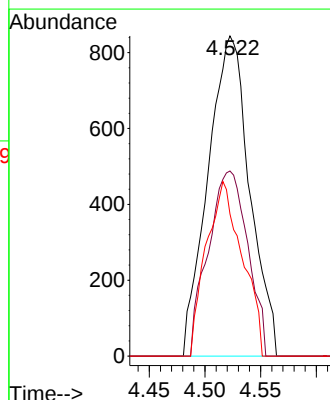
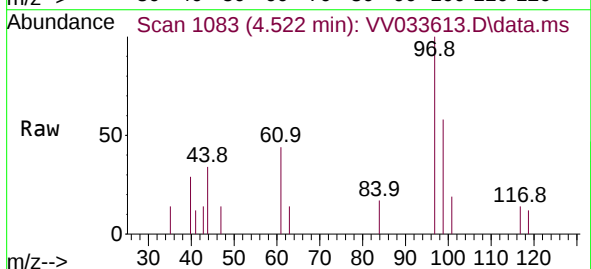
Ion	Ratio	Lower	Upper
96	100		
61	132.1	97.1	180.3
98	58.3	42.6	79.0

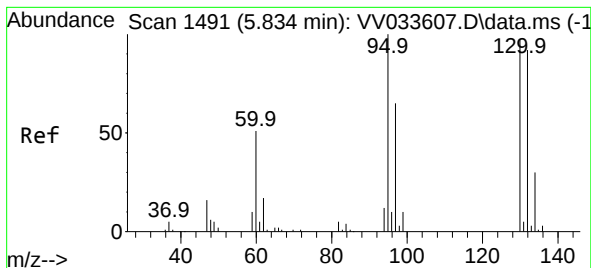


#29
 1,1,1-Trichloroethane
 Concen: 0.140 ug/L
 RT: 4.522 min Scan# 1083
 Delta R.T. 0.010 min
 Lab File: VV033613.D
 Acq: 12 Jan 2024 22:41

Tgt Ion: 97 Resp: 2200

Ion	Ratio	Lower	Upper
97	100		
99	54.8	50.8	76.2
61	46.9	38.1	57.1





#34

Trichloroethene

Concen: 4.002 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.000 min

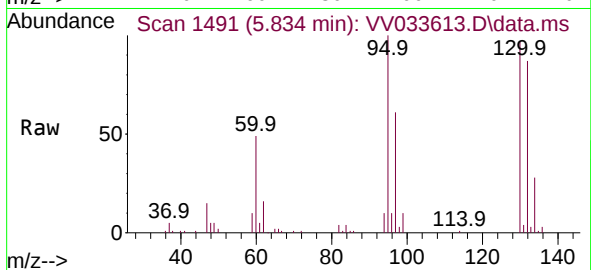
Lab File: VV033613.D

Acq: 12 Jan 2024 22:41

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 41925

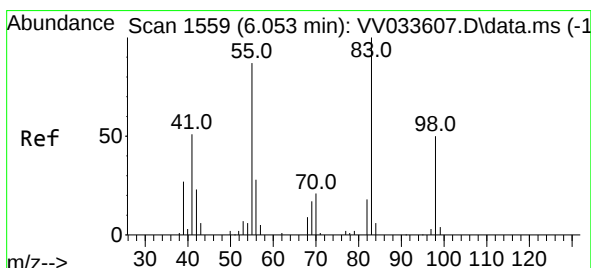
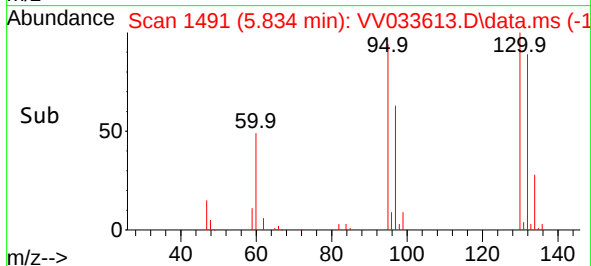
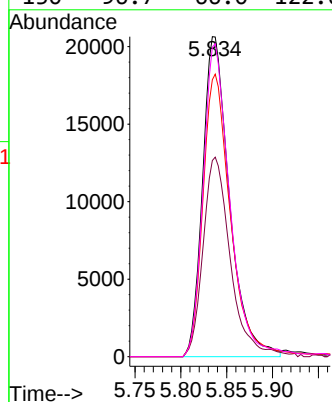
Ion Ratio Lower Upper

95 100

97 61.3 45.1 83.9

132 86.6 65.2 121.2

130 96.7 66.0 122.6



#35

Methylcyclohexane

Concen: 0.577 ug/L

RT: 5.992 min Scan# 1540

Delta R.T. -0.061 min

Lab File: VV033613.D

Acq: 12 Jan 2024 22:41

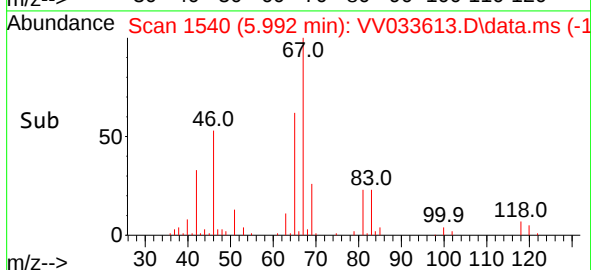
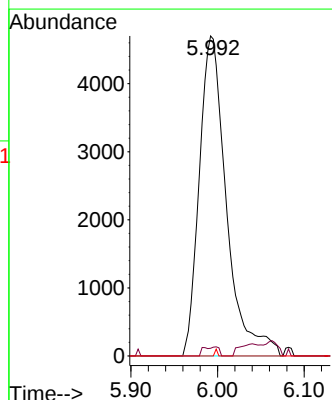
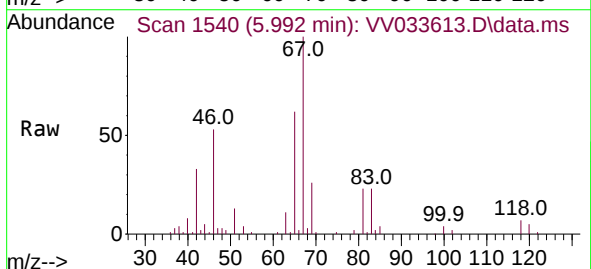
Tgt Ion: 83 Resp: 10235

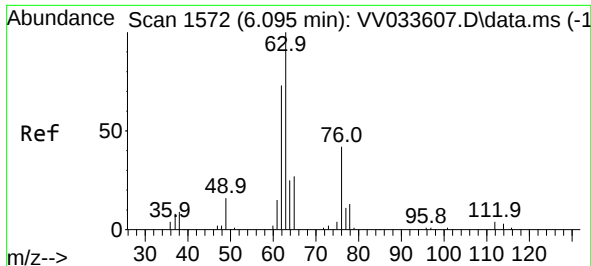
Ion Ratio Lower Upper

83 100

55 0.9 68.7 103.1#

98 0.0 38.3 57.5#





#37

1,2-Dichloropropane

Concen: 0.511 ug/L

RT: 5.989 min Scan# 1

Delta R.T. -0.106 min

Lab File: VV033613.D

Acq: 12 Jan 2024 22:41

Instrument :

MSVOA_V

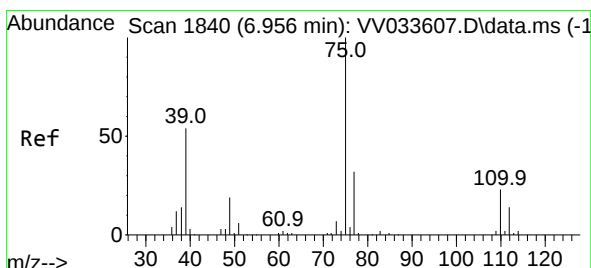
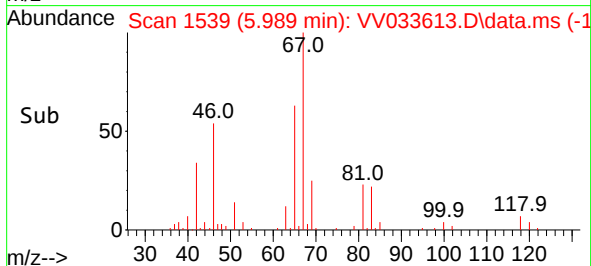
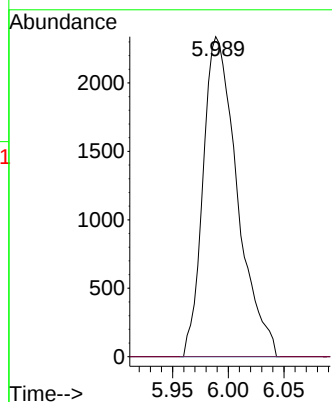
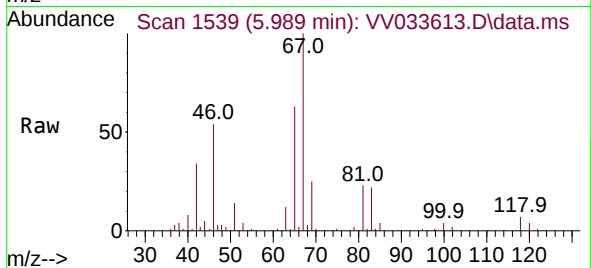
ClientSampleId :

Tgt Ion: 63 Resp: 4992

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 6.924 min Scan# 1830

Delta R.T. -0.032 min

Lab File: VV033613.D

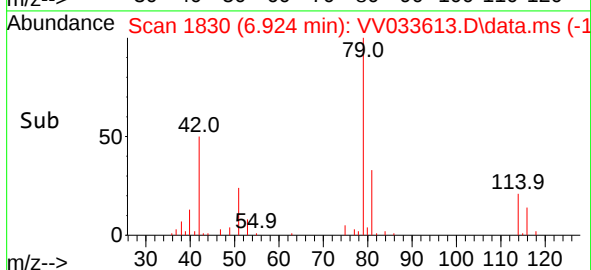
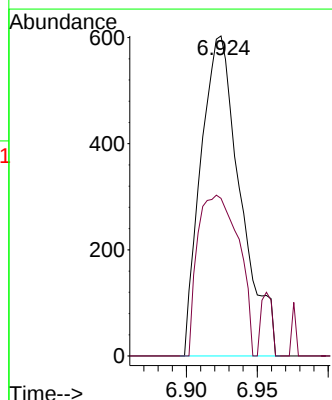
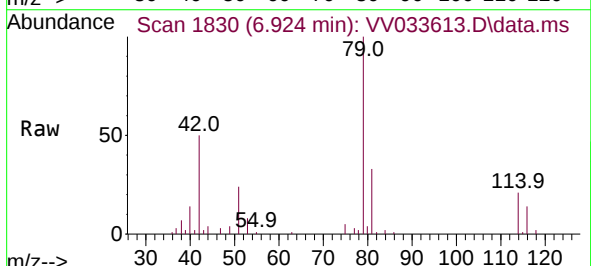
Acq: 12 Jan 2024 22:41

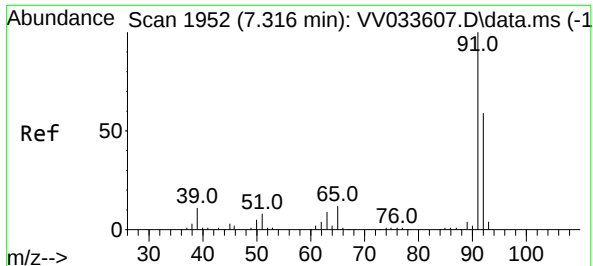
Tgt Ion: 75 Resp: 1171

Ion Ratio Lower Upper

75 100

77 49.3 22.5 41.7#





#42

Toluene

Concen: 1.227 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.007 min

Lab File: VV033613.D

Acq: 12 Jan 2024 22:41

Instrument :

MSVOA_V

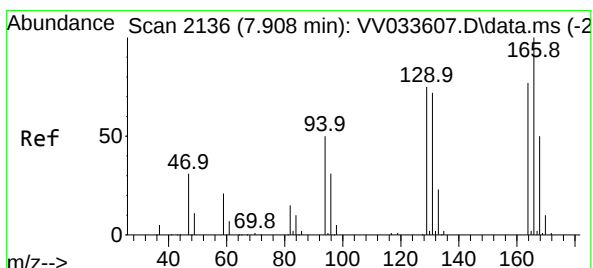
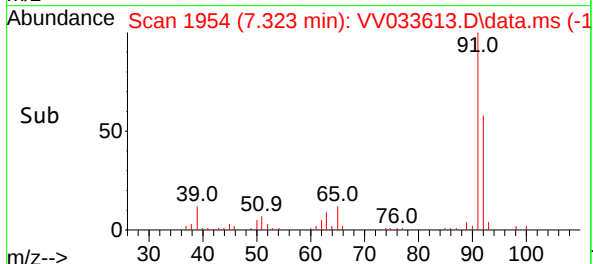
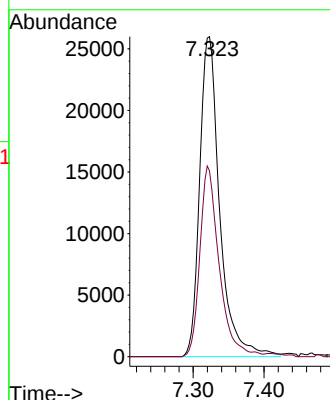
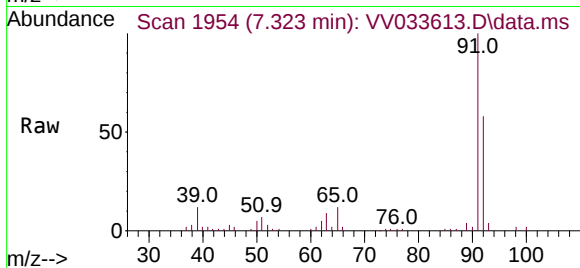
ClientSampleId :

Tgt Ion: 91 Resp: 51090

Ion Ratio Lower Upper

91 100

92 58.1 40.5 75.3



#47

Tetrachloroethene

Concen: 1.069 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VV033613.D

Acq: 12 Jan 2024 22:41

Tgt Ion: 164 Resp: 8045

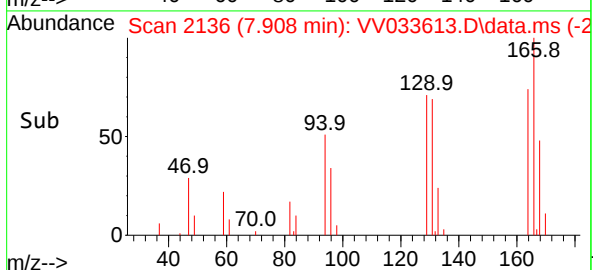
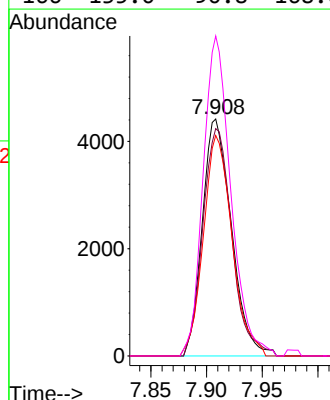
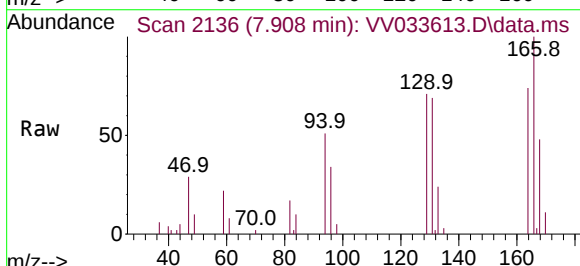
Ion Ratio Lower Upper

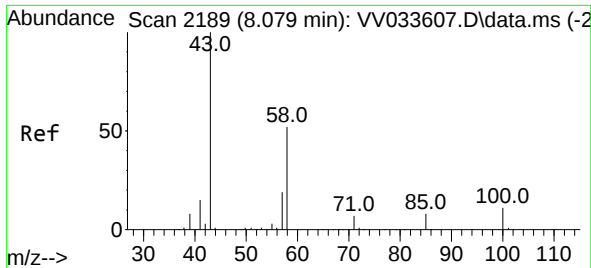
164 100

129 96.0 67.1 124.7

131 93.1 65.0 120.6

166 135.0 90.8 168.6

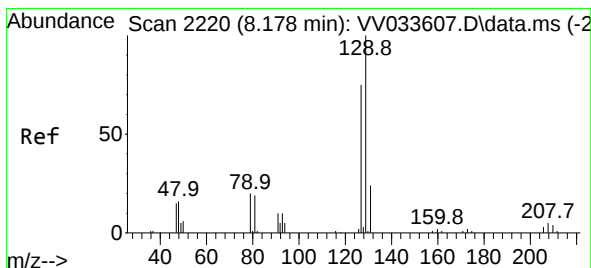
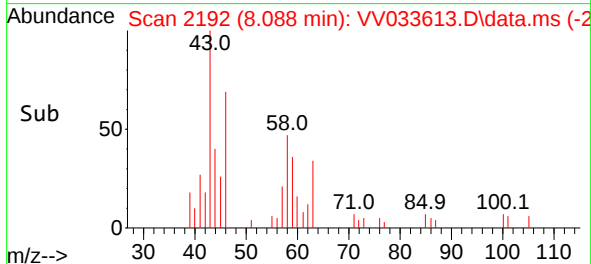
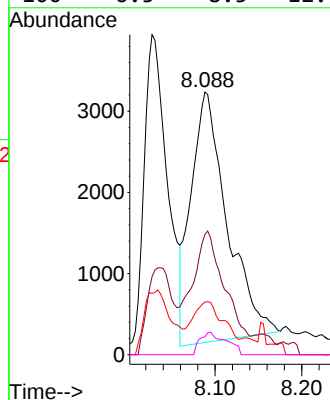
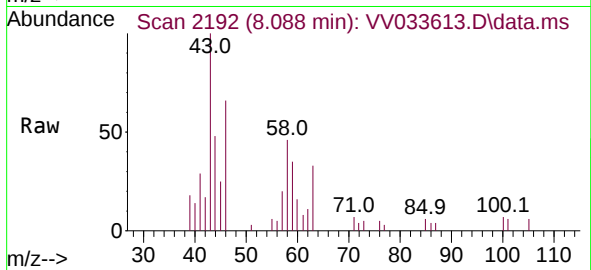




#48
2-Hexanone
Concen: 2.721 ug/L
RT: 8.088 min Scan# 2189
Delta R.T. 0.010 min
Lab File: VV033613.D
Acq: 12 Jan 2024 22:41

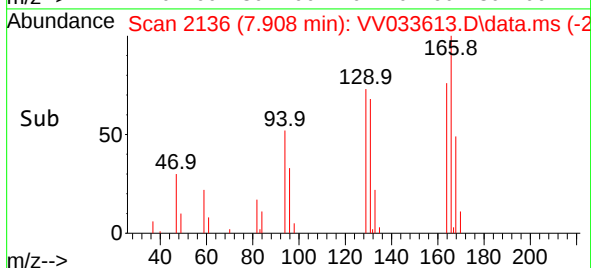
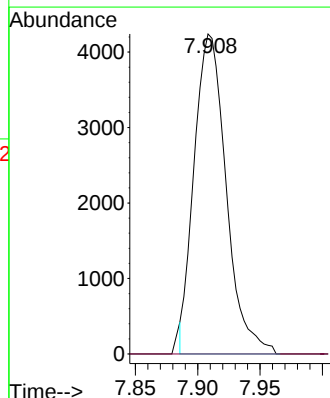
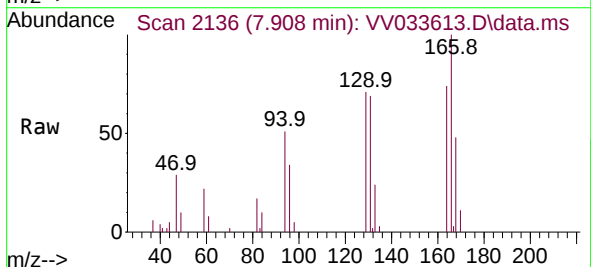
Instrument :
MSVOA_V
ClientSampleId :

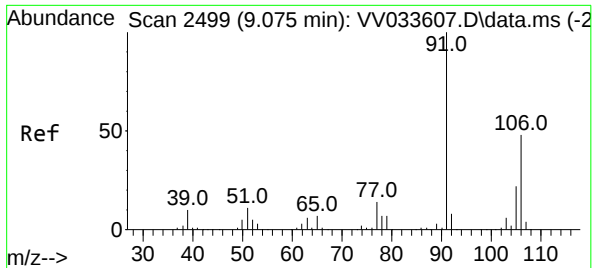
Tgt Ion: 43	Resp: 8957
Ion Ratio	Lower Upper
43	100
58	38.6 40.6 61.0#
57	13.5 13.8 20.8#
100	6.5 8.5 12.7#



#49
Dibromochloromethane
Concen: 1.119 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.270 min
Lab File: VV033613.D
Acq: 12 Jan 2024 22:41

Tgt Ion: 129	Resp: 7567
Ion Ratio	Lower Upper
129	100
127	0.0 53.6 99.6#

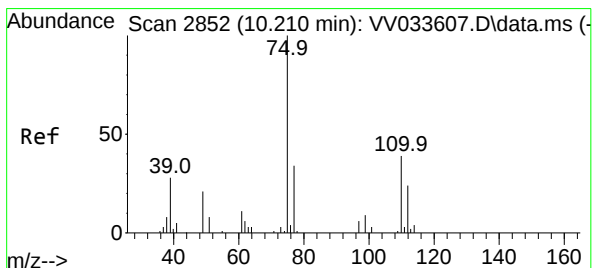
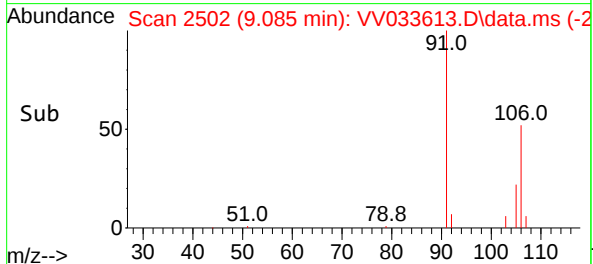
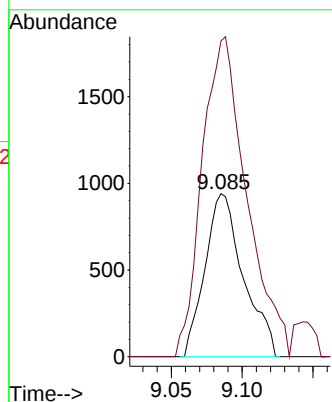
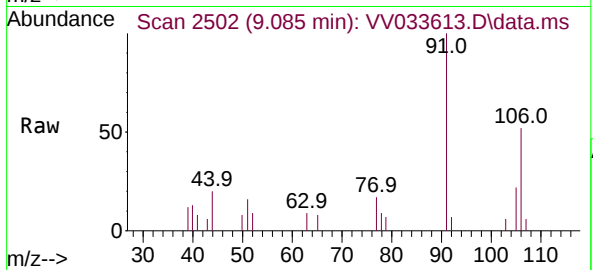




#53
m,p-Xylene
Concen: 0.100 ug/L
RT: 9.085 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV033613.D
Acq: 12 Jan 2024 22:41

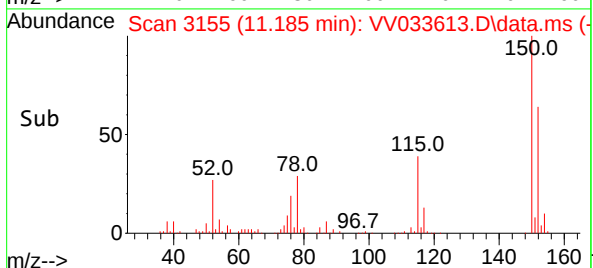
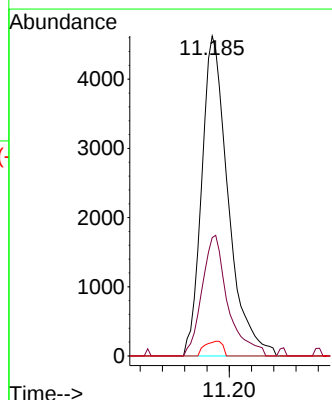
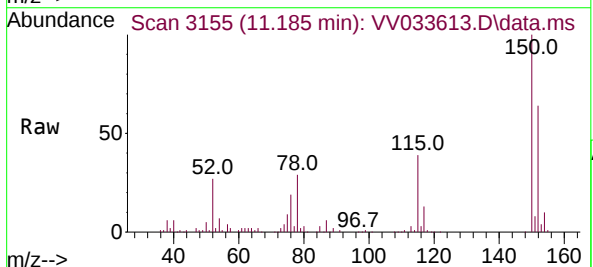
Instrument :
MSVOA_V
ClientSampleId :

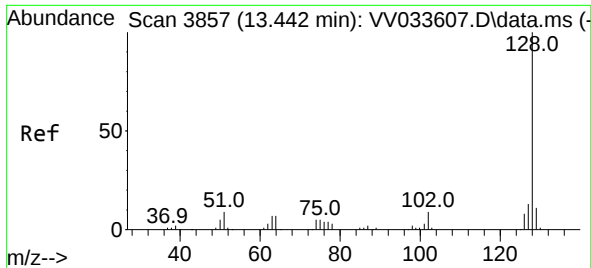
Tgt Ion:106 Resp: 1772
Ion Ratio Lower Upper
106 100
91 193.5 146.2 271.4



#61
1,2,3-Trichloropropane
Concen: 1.690 ug/L
RT: 11.185 min Scan# 3155
Delta R.T. 0.974 min
Lab File: VV033613.D
Acq: 12 Jan 2024 22:41

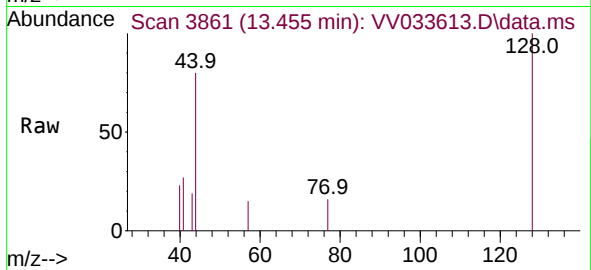
Tgt Ion: 75 Resp: 7621
Ion Ratio Lower Upper
75 100
77 36.8 24.7 37.1
110 3.1 28.0 42.0#





#71
Naphthalene
Concen: 0.062 ug/L
RT: 13.455 min Scan# 3857
Delta R.T. 0.013 min
Lab File: VV033613.D
Acq: 12 Jan 2024 22:41

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 1312
Ion Ratio Lower Upper
128 100
129 0.0 8.8 13.2#
127 3.7 10.4 15.6#

