

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011224\
 Data File : VW033622.D
 Acq On : 13 Jan 2024 02:15
 Operator : SY/MD
 Sample : P1121-15
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 13 04:00:24 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	5.542	114	46080	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	45309	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	25117	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	13252	5.259	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 105.200%	
7) Chloroethane-d5	1.532	69	11763	5.264	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 105.200%	
11) 1,1-Dichloroethene-d2	2.060	65	5911	5.205	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 104.200%	
20) 2-Butanone-d5	3.793	46	55867	90.681	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	= 181.360##	
24) Chloroform-d	4.256	84	26605	4.883	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 97.600%	
26) 1,2-Dichloroethane-d4	4.950	65	16259	6.655	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 133.000##	
32) Benzene-d6	4.966	84	50874	4.653	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 93.000%	
36) 1,2-Dichloropropane-d6	5.995	67	17780	4.878	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 97.600%	
41) Toluene-d8	7.249	98	45198	4.631	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 92.600%	
43) trans-1,3-Dichloroprop...	7.571	79	6528	5.181	ug/L	0.01
Spiked Amount	5.000	Range	55 - 130	Recovery	= 103.600%	
46) 2-Hexanone-d5	8.027	63	42814	86.540	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 173.080##	
56) 1,1,2,2-Tetrachloroeth...	10.156	84	16717	7.849	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 157.000##	
66) 1,2-Dichlorobenzene-d4	11.564	152	20365	5.281	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 105.600%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	433	0.086	ug/L	90
5) Vinyl chloride	1.285	62	313	0.065	ug/L #	1
8) Chloroethane	1.291	64	85243	29.281	ug/L #	52
12) 1,1-Dichloroethene	2.072	96	60805	18.720	ug/L #	87
13) Acetone	2.111	43	5286	10.569	ug/L	97
14) Carbon disulfide	2.243	76	1758	0.146	ug/L #	92
15) Methyl Acetate	2.388	43	1048	0.877	ug/L #	56
16) Methylene chloride	2.452	84	2733	0.713	ug/L	94
17) Methyl tert-butyl Ether	2.706	73	2672	0.363	ug/L #	90
18) trans-1,2-Dichloroethene	2.703	96	692	0.189	ug/L	91
19) 1,1-Dichloroethane	3.114	63	73685	10.107	ug/L	98
22) cis-1,2-Dichloroethene	3.825	96	4892	1.273	ug/L	91
27) 1,2-Dichloroethane	5.072	62	1167	0.306	ug/L #	76
34) Trichloroethene	5.841	95	10257	2.395	ug/L	96
37) 1,2-Dichloropropane	6.101	63	8008	2.005	ug/L #	91
48) 2-Hexanone	8.091	43	4989	3.708	ug/L #	86
61) 1,2,3-Trichloropropane	11.188	75	3415	1.696	ug/L #	63
71) Naphthalene	13.458	128	915	0.096	ug/L #	69

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

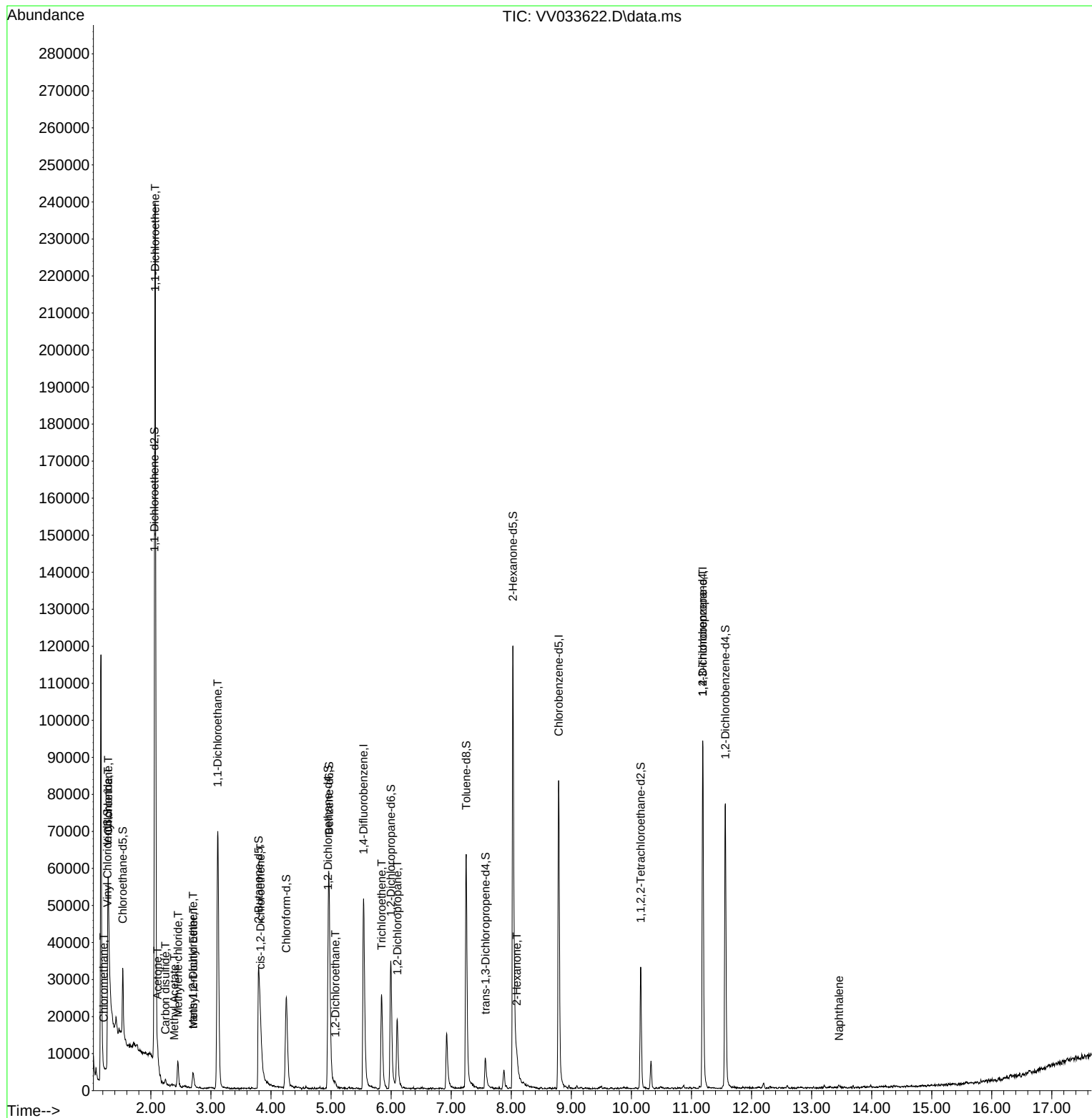
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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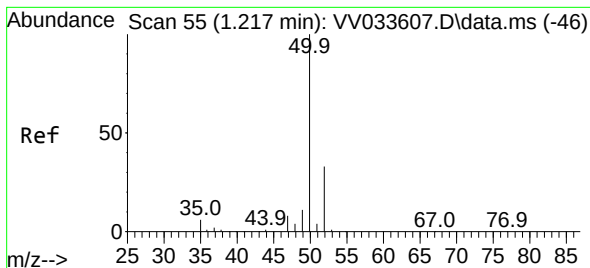
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.086 ug/L

RT: 1.217 min Scan# 50

Delta R.T. 0.000 min

Lab File: VV033622.D

Acq: 13 Jan 2024 02:15

Instrument :

MSVOA_V

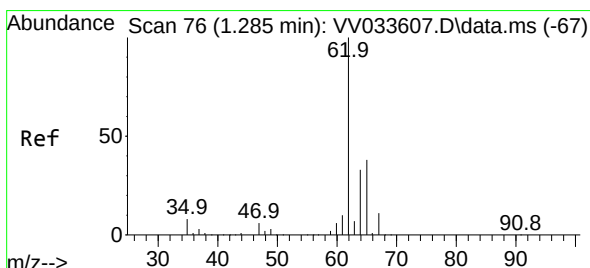
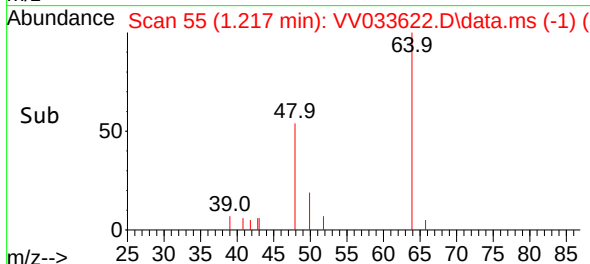
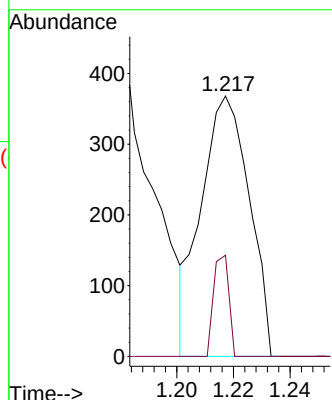
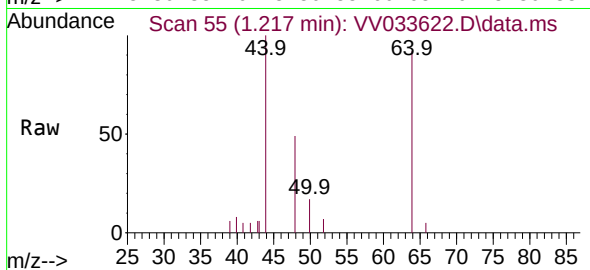
ClientSampleId :

Tgt Ion: 50 Resp: 433

Ion Ratio Lower Upper

50 100

52 38.9 23.1 42.9



#5

Vinyl chloride

Concen: 0.065 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV033622.D

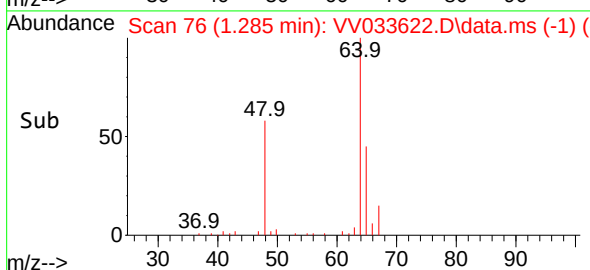
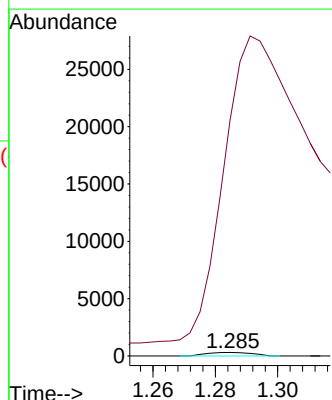
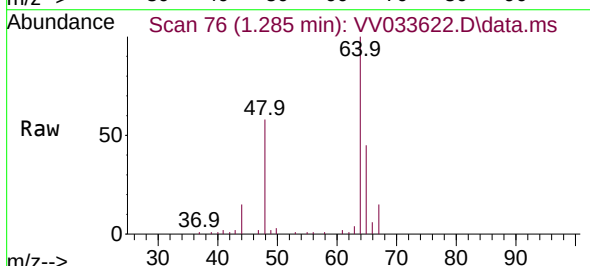
Acq: 13 Jan 2024 02:15

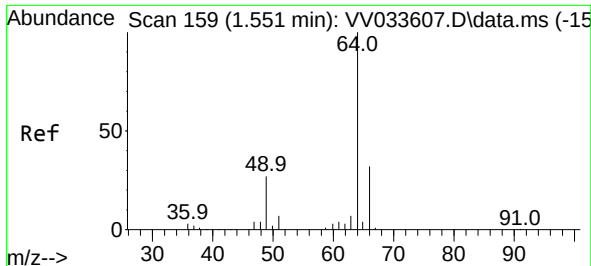
Tgt Ion: 62 Resp: 313

Ion Ratio Lower Upper

62 100

64 6705.9 23.0 42.8#





#8

Chloroethane

Concen: 29.281 ug/L

RT: 1.291 min Scan# 71

Delta R.T. -0.260 min

Lab File: VV033622.D

Acq: 13 Jan 2024 02:15

Instrument :

MSVOA_V

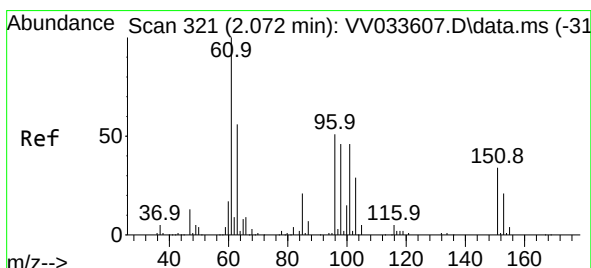
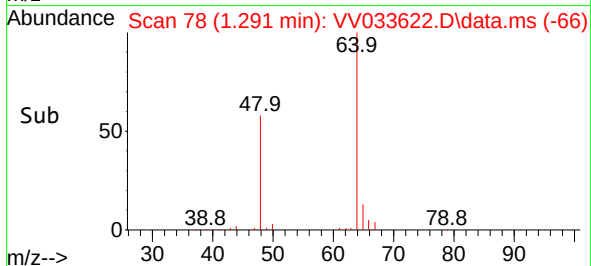
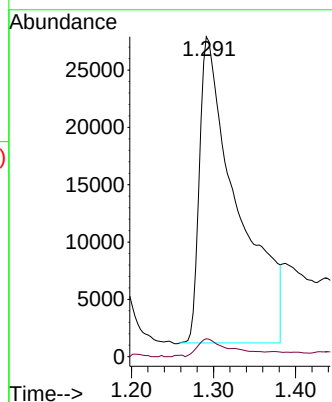
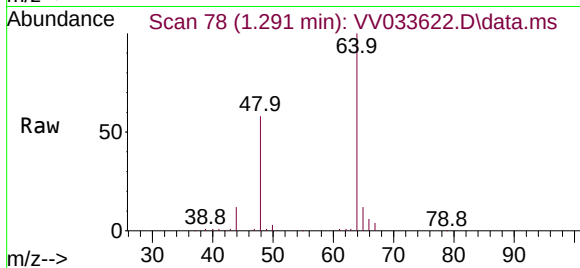
ClientSampleId :

Tgt Ion: 64 Resp: 85243

Ion Ratio Lower Upper

64 100

66 5.6 22.6 42.0#



#12

1,1-Dichloroethene

Concen: 18.720 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV033622.D

Acq: 13 Jan 2024 02:15

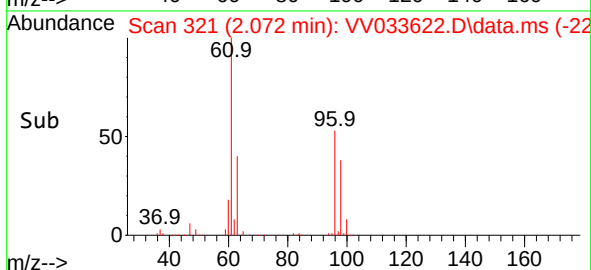
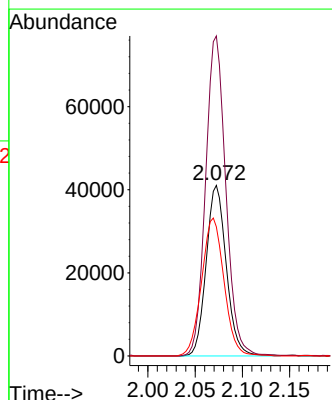
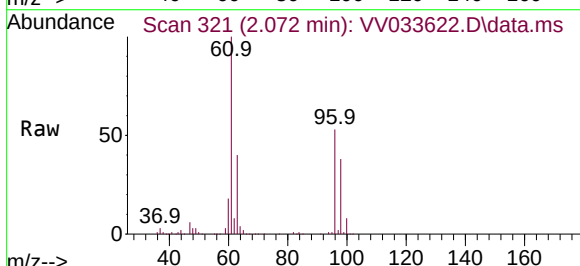
Tgt Ion: 96 Resp: 60805

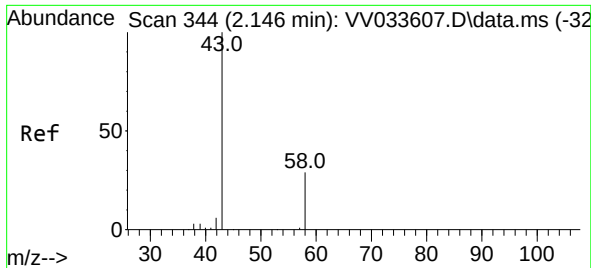
Ion Ratio Lower Upper

96 100

61 187.6 133.8 248.4

63 75.7 77.2 143.4#





#13

Acetone

Concen: 10.569 ug/L

RT: 2.111 min Scan# 311

Delta R.T. -0.035 min

Lab File: VV033622.D

Acq: 13 Jan 2024 02:15

Instrument :

MSVOA_V

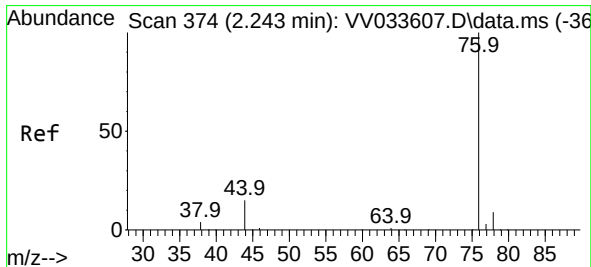
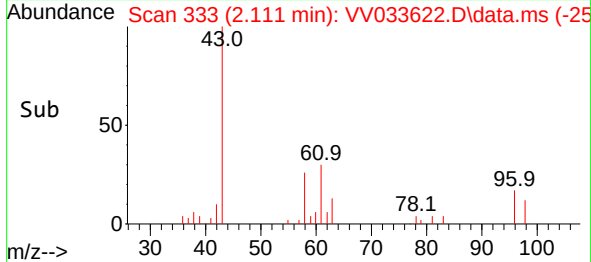
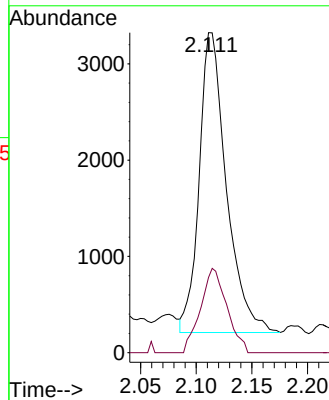
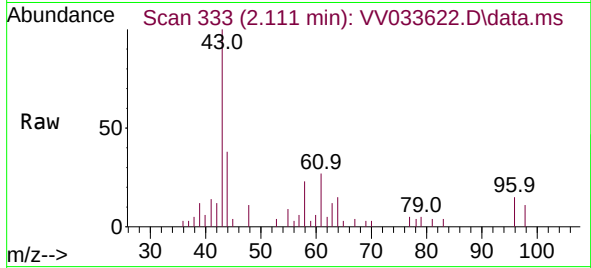
ClientSampleId :

Tgt Ion: 43 Resp: 5286

Ion Ratio Lower Upper

43 100

58 27.2 0.0 51.0



#14

Carbon disulfide

Concen: 0.146 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV033622.D

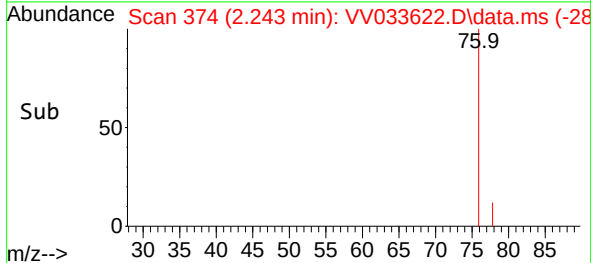
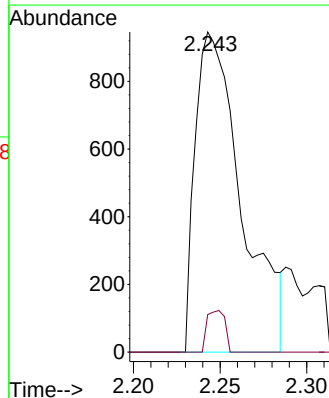
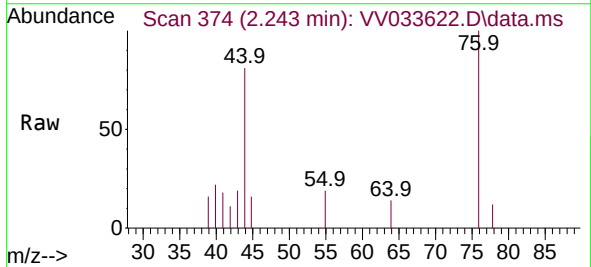
Acq: 13 Jan 2024 02:15

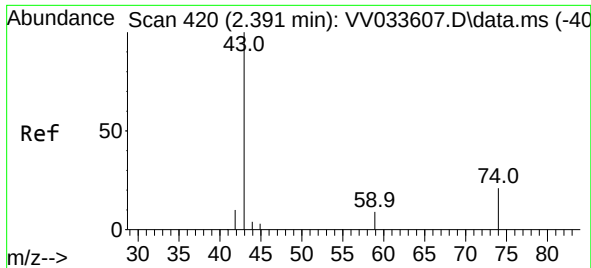
Tgt Ion: 76 Resp: 1758

Ion Ratio Lower Upper

76 100

78 11.7 7.1 10.7#





#15

Methyl Acetate

Concen: 0.877 ug/L

RT: 2.388 min Scan# 41

Delta R.T. -0.003 min

Lab File: VV033622.D

Acq: 13 Jan 2024 02:15

Instrument :

MSVOA_V

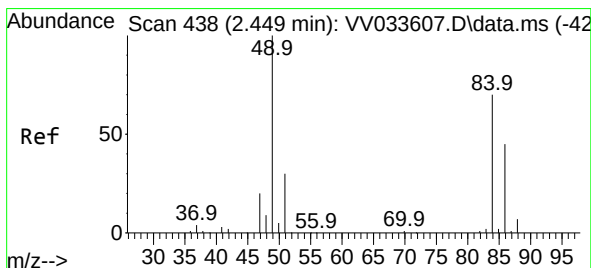
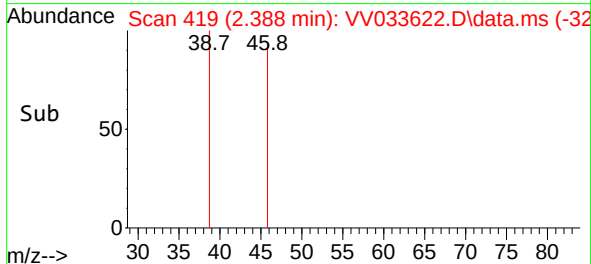
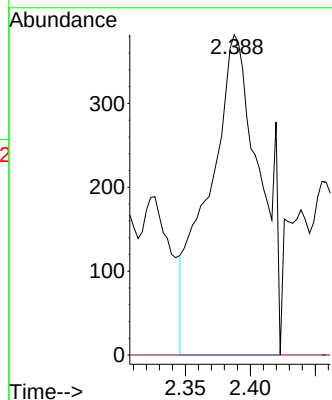
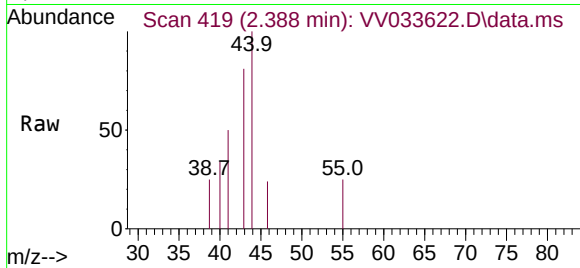
ClientSampleId :

Tgt Ion: 43 Resp: 1048

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#16

Methylene chloride

Concen: 0.713 ug/L

RT: 2.452 min Scan# 439

Delta R.T. 0.003 min

Lab File: VV033622.D

Acq: 13 Jan 2024 02:15

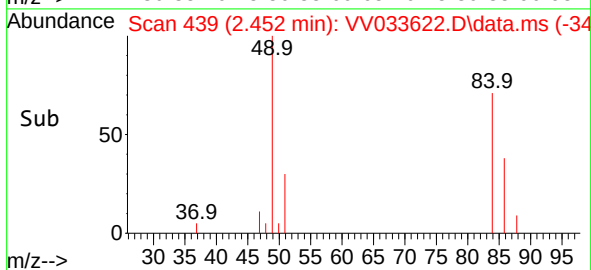
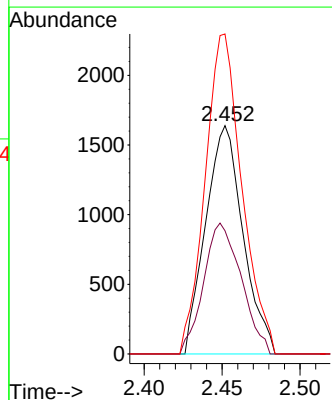
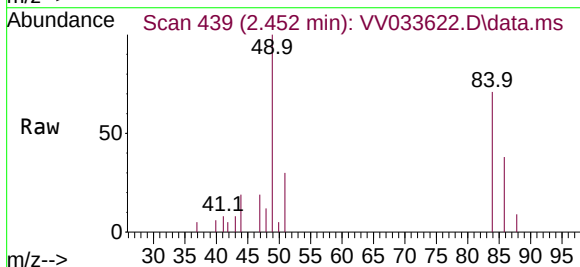
Tgt Ion: 84 Resp: 2733

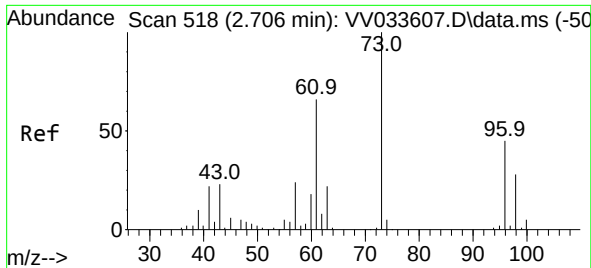
Ion Ratio Lower Upper

84 100

86 53.9 45.5 84.5

49 140.1 100.3 186.3

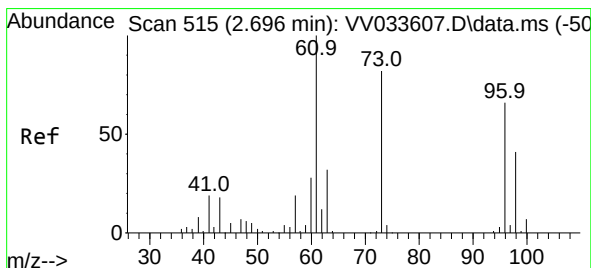
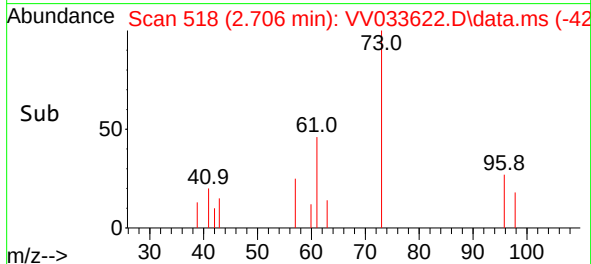
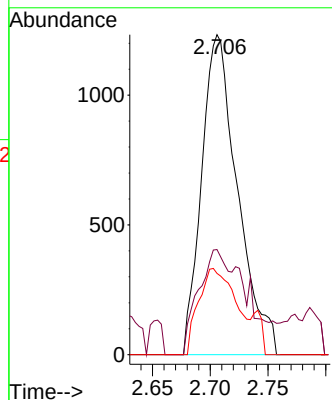
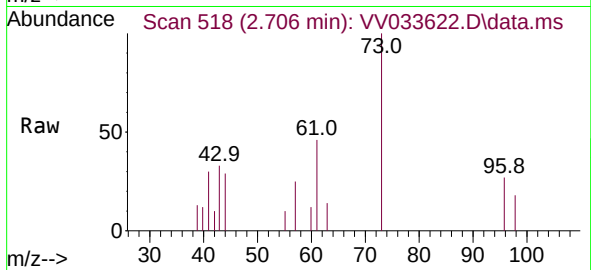




#17
Methyl tert-butyl Ether
Concen: 0.363 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.000 min
Lab File: VV033622.D
Acq: 13 Jan 2024 02:15

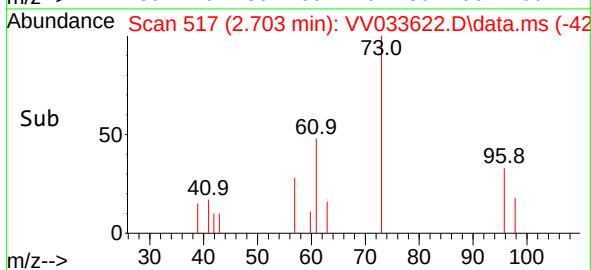
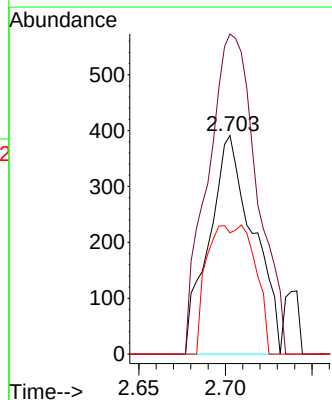
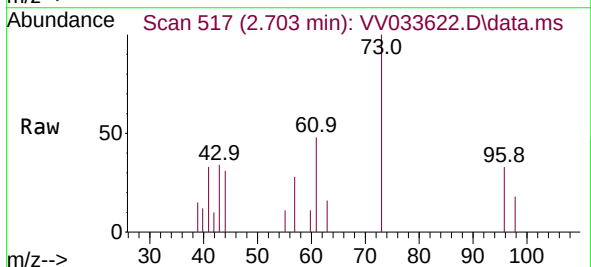
Instrument :
MSVOA_V
ClientSampleId :

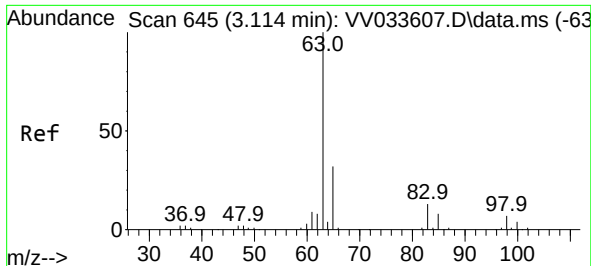
Tgt Ion: 73 Resp: 2672
Ion Ratio Lower Upper
73 100
43 27.9 17.7 26.5#
57 28.2 19.5 29.3



#18
trans-1,2-Dichloroethene
Concen: 0.189 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.007 min
Lab File: VV033622.D
Acq: 13 Jan 2024 02:15

Tgt Ion: 96 Resp: 692
Ion Ratio Lower Upper
96 100
61 146.5 110.4 205.0
98 55.5 44.1 81.9





#19

1,1-Dichloroethane

Concen: 10.107 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV033622.D

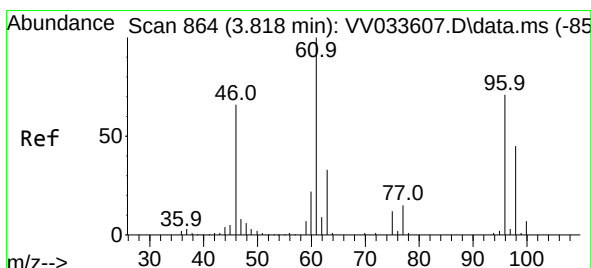
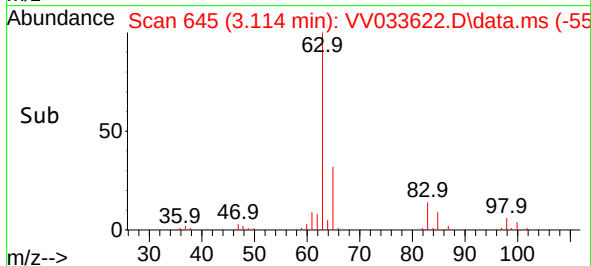
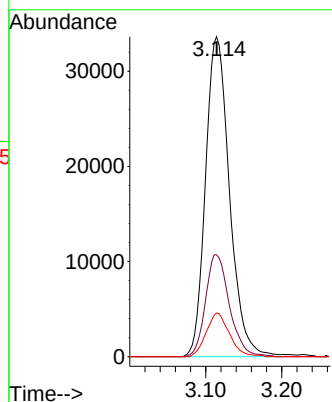
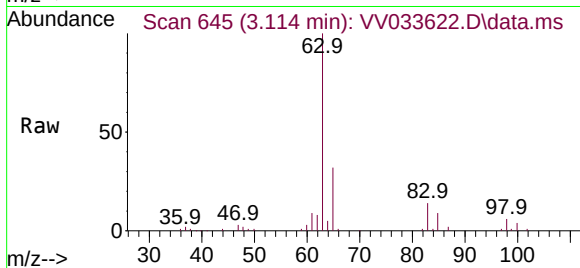
Acq: 13 Jan 2024 02:15

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63	Resp: 73685
Ion Ratio	Lower Upper
63 100	
65 31.9	21.6 40.2
83 13.6	9.1 16.9



#22

cis-1,2-Dichloroethene

Concen: 1.273 ug/L

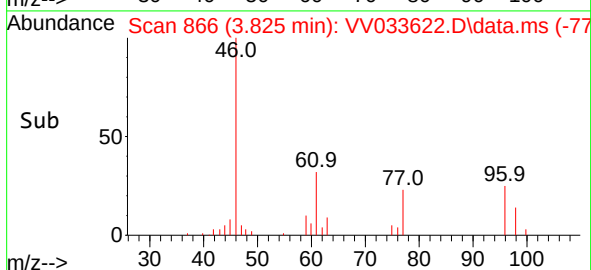
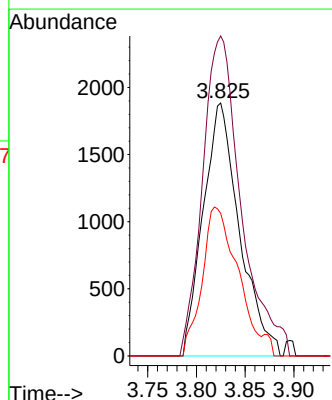
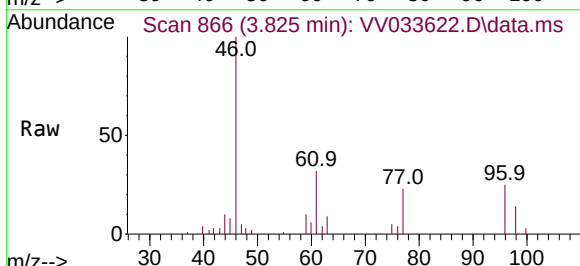
RT: 3.825 min Scan# 866

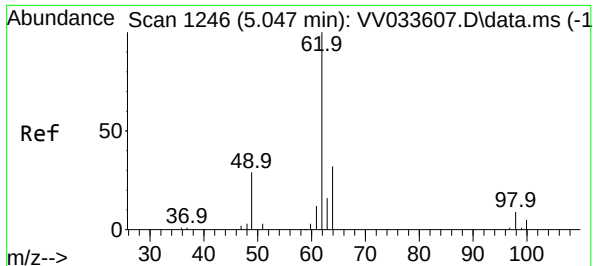
Delta R.T. 0.007 min

Lab File: VV033622.D

Acq: 13 Jan 2024 02:15

Tgt Ion: 96	Resp: 4892		
Ion Ratio	Lower	Upper	
96 100			
61 126.5	97.1	180.3	
98 56.4	42.6	79.0	





#27

1,2-Dichloroethane

Concen: 0.306 ug/L

RT: 5.072 min Scan# 1167

Delta R.T. 0.026 min

Lab File: VV033622.D

Acq: 13 Jan 2024 02:15

Instrument :

MSVOA_V

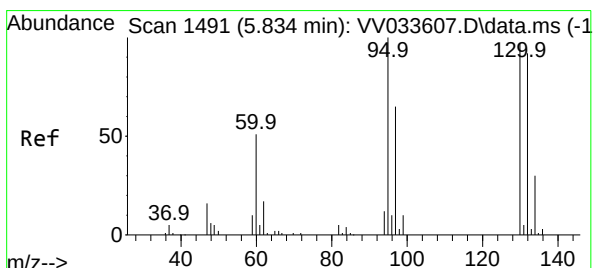
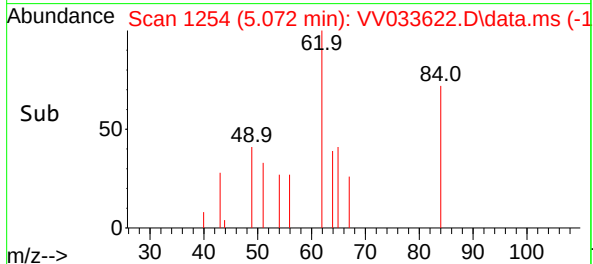
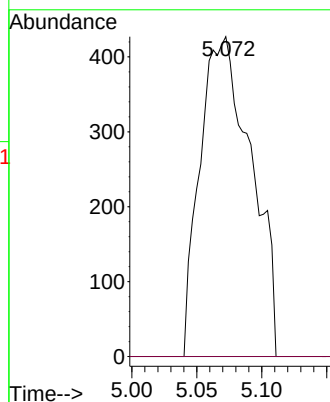
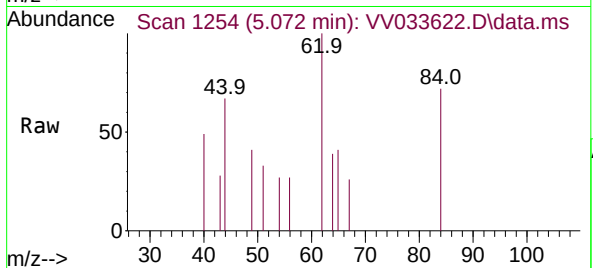
ClientSampleId :

Tgt Ion: 62 Resp: 1167

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.6#



#34

Trichloroethene

Concen: 2.395 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.007 min

Lab File: VV033622.D

Acq: 13 Jan 2024 02:15

Tgt Ion: 95 Resp: 10257

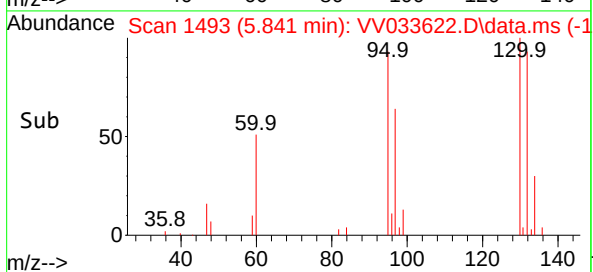
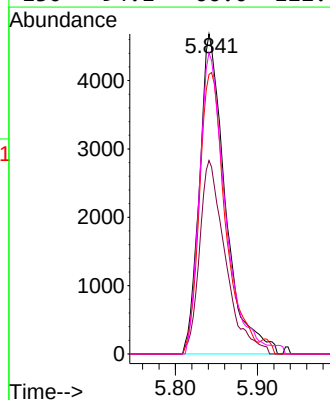
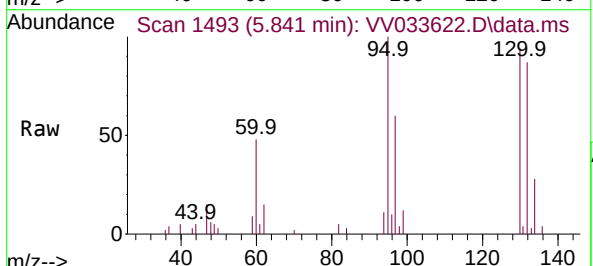
Ion Ratio Lower Upper

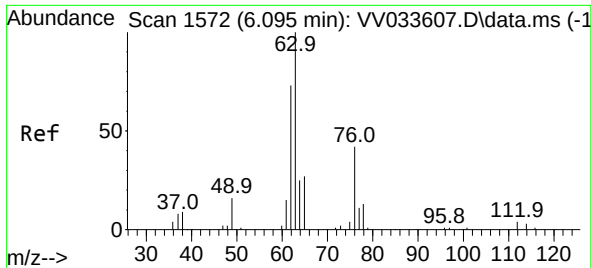
95 100

97 60.4 45.1 83.9

132 87.4 65.2 121.2

130 94.1 66.0 122.6





#37

1,2-Dichloropropane

Concen: 2.005 ug/L

RT: 6.101 min Scan# 11

Delta R.T. 0.007 min

Lab File: VV033622.D

Acq: 13 Jan 2024 02:15

Instrument :

MSVOA_V

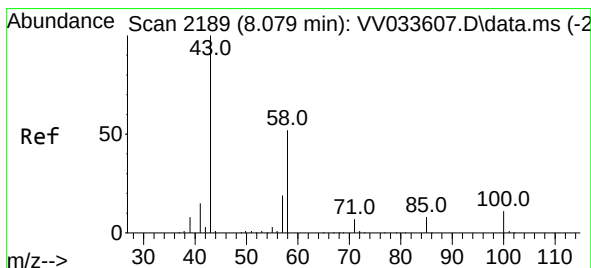
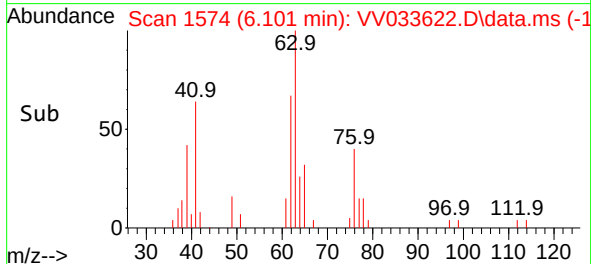
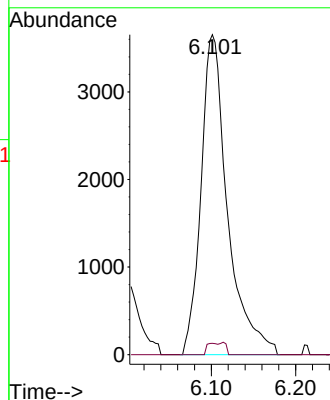
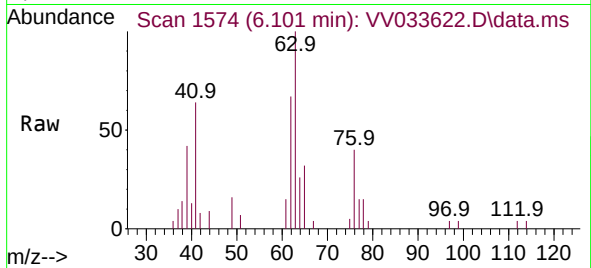
ClientSampleId :

Tgt Ion: 63 Resp: 8008

Ion Ratio Lower Upper

63 100

112 1.5 3.4 5.2#



#48

2-Hexanone

Concen: 3.708 ug/L

RT: 8.091 min Scan# 2193

Delta R.T. 0.013 min

Lab File: VV033622.D

Acq: 13 Jan 2024 02:15

Tgt Ion: 43 Resp: 4989

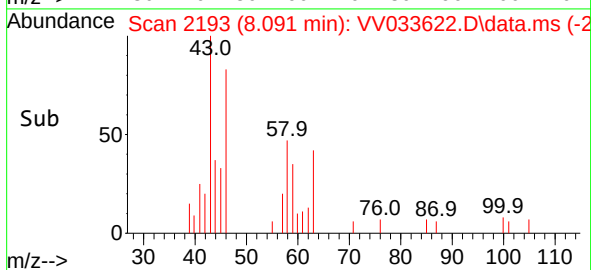
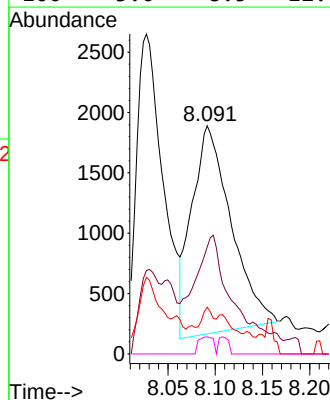
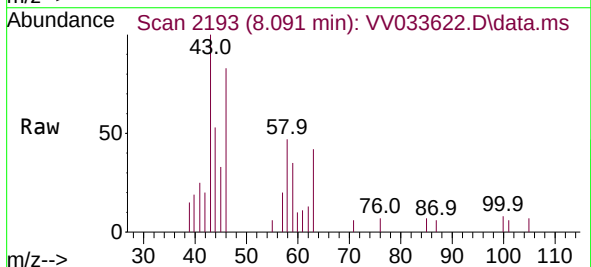
Ion Ratio Lower Upper

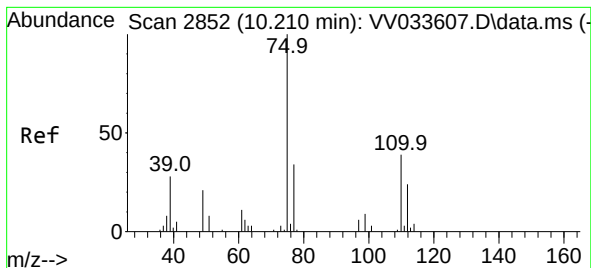
43 100

58 47.1 40.6 61.0

57 2.4 13.8 20.8#

100 3.0 8.5 12.7#





#61

1,2,3-Trichloropropane

Concen: 1.696 ug/L

RT: 11.188 min Scan# 3156

Delta R.T. 0.978 min

Lab File: VV033622.D

Acq: 13 Jan 2024 02:15

Instrument :

MSVOA_V

ClientSampleId :

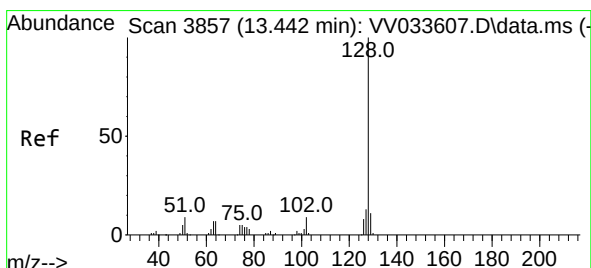
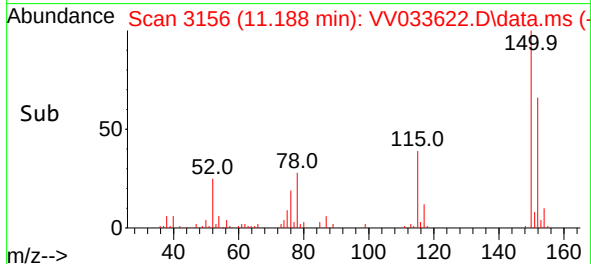
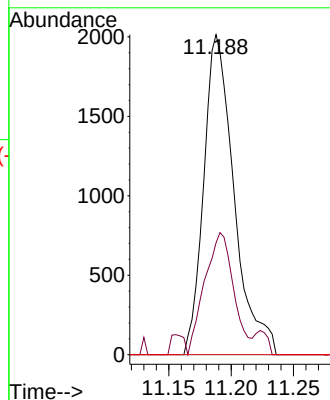
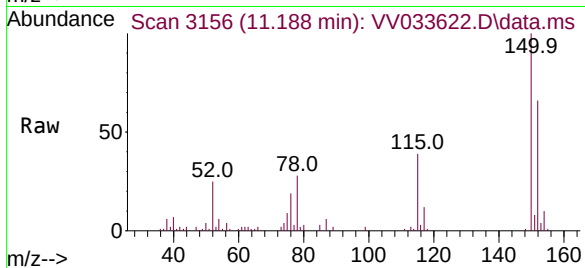
Tgt Ion: 75 Resp: 3415

Ion Ratio Lower Upper

75 100

77 36.7 24.7 37.1

110 0.0 28.0 42.0#



#71

Naphthalene

Concen: 0.096 ug/L

RT: 13.458 min Scan# 3862

Delta R.T. 0.016 min

Lab File: VV033622.D

Acq: 13 Jan 2024 02:15

Tgt Ion: 128 Resp: 915

Ion Ratio Lower Upper

128 100

129 0.0 8.8 13.2#

127 0.0 10.4 15.6#

