

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011224\
 Data File : VW033615.D
 Acq On : 12 Jan 2024 23:28
 Operator : SY/MD
 Sample : P1121-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 13 00:59:29 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	39880	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	37768	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	20368	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	14127	6.478	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 129.600%		
7) Chloroethane-d5	1.532	69	10962	5.668	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 113.400%		
11) 1,1-Dichloroethene-d2	2.063	65	5795	5.897	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 118.000%		
20) 2-Butanone-d5	3.789	46	78627	147.465	ug/L	-0.03
Spiked Amount	50.000	Range 40 - 130	Recovery	= 294.940%#		
24) Chloroform-d	4.252	84	23610	5.006	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 100.200%		
26) 1,2-Dichloroethane-d4	4.950	65	16212	7.667	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 153.400%#		
32) Benzene-d6	4.966	84	44994	4.937	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 98.800%		
36) 1,2-Dichloropropane-d6	5.995	67	16398	5.397	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 108.000%		
41) Toluene-d8	7.249	98	39853	4.899	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 98.000%		
43) trans-1,3-Dichloroprop...	7.567	79	5875	5.593	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 111.800%		
46) 2-Hexanone-d5	8.024	63	55217	133.895	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 267.800%#		
56) 1,1,2,2-Tetrachloroeth...	10.156	84	18416	10.374	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 207.400%#		
66) 1,2-Dichlorobenzene-d4	11.564	152	17767	5.681	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 113.600%		
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.285	62	117540	28.333	ug/L #	1
8) Chloroethane	1.285	64	312457	124.013	ug/L #	49
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	425	0.150	ug/L #	20
12) 1,1-Dichloroethene	2.072	96	92962	33.069	ug/L #	82
13) Acetone	2.111	43	67795	156.626	ug/L	95
14) Carbon disulfide	2.246	76	7214	0.694	ug/L	99
15) Methyl Acetate	2.375	43	38221	36.944	ug/L	100
16) Methylene chloride	2.449	84	1582	0.477	ug/L	89
17) Methyl tert-butyl Ether	2.706	73	1493	0.235	ug/L #	84
18) trans-1,2-Dichloroethene	2.703	96	499	0.157	ug/L	95
19) 1,1-Dichloroethane	3.114	63	123749	19.613	ug/L	98
21) 2-Butanone	3.870	43	86526	144.011	ug/L	99
22) cis-1,2-Dichloroethene	3.815	96	146678	44.112	ug/L	94
27) 1,2-Dichloroethane	5.072	62	862	0.261	ug/L #	76
34) Trichloroethene	5.834	95	69953	19.597	ug/L	97
35) Methylcyclohexane	5.995	83	3875	0.641	ug/L #	15
37) 1,2-Dichloropropane	6.111	63	1659	0.498	ug/L #	87
39) cis-1,3-Dichloropropene	6.921	75	382	0.080	ug/L #	71
48) 2-Hexanone	8.088	43	5202	4.639	ug/L #	89

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QLast Update : Sat Jan 13 00:29:44 2024
Response via : Initial Calibration

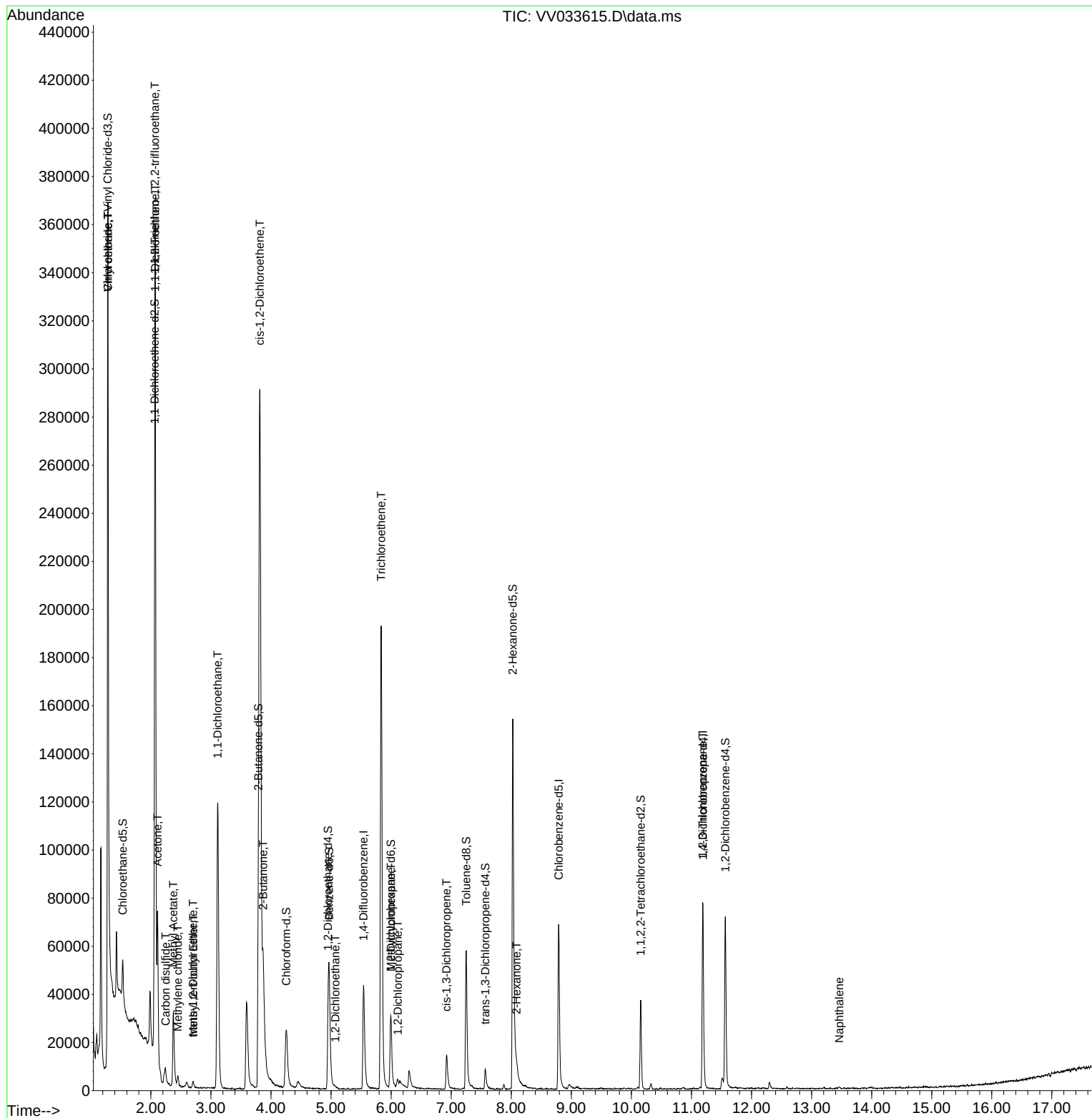
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.188	75	2619	1.604	ug/L #	58
71) Naphthalene	13.461	128	922	0.120	ug/L #	69

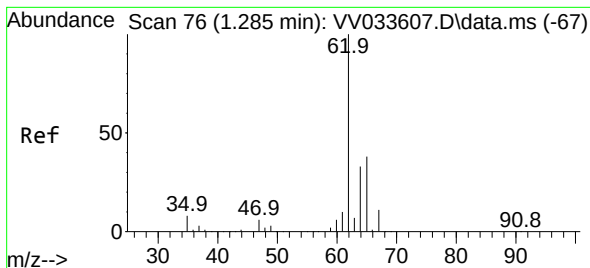
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 28.333 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV033615.D

Acq: 12 Jan 2024 23:28

Instrument :

MSVOA_V

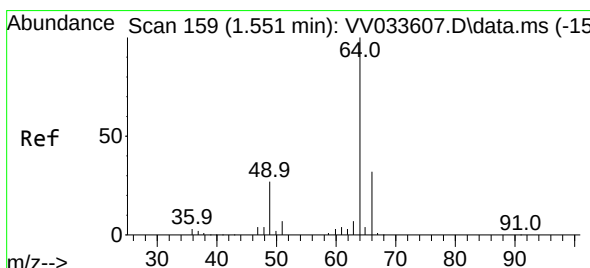
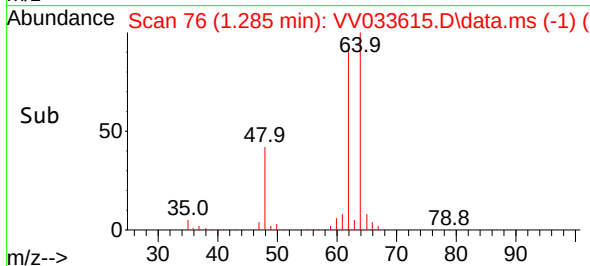
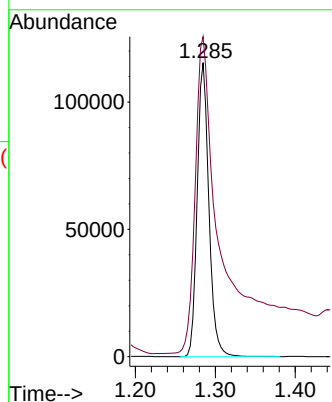
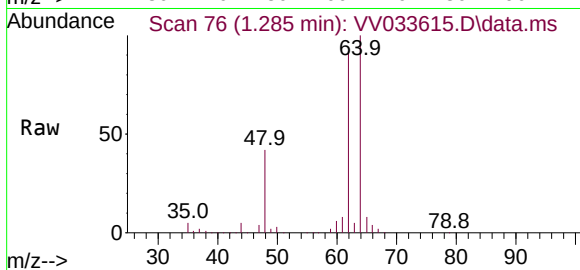
ClientSampleId :

Tgt Ion: 62 Resp: 117540

Ion Ratio Lower Upper

62 100

64 108.8 23.0 42.8#



#8

Chloroethane

Concen: 124.013 ug/L

RT: 1.285 min Scan# 76

Delta R.T. -0.267 min

Lab File: VV033615.D

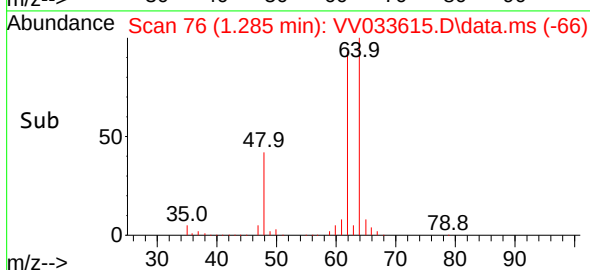
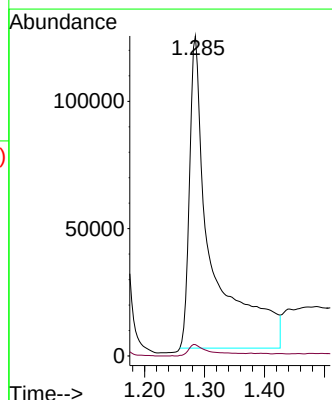
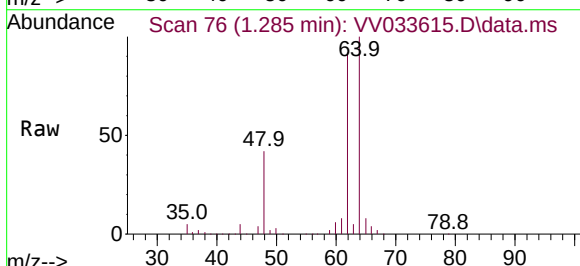
Acq: 12 Jan 2024 23:28

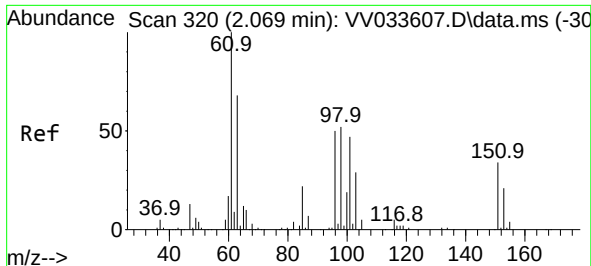
Tgt Ion: 64 Resp: 312457

Ion Ratio Lower Upper

64 100

66 3.6 22.6 42.0#

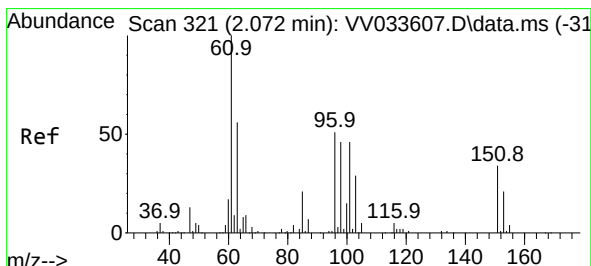
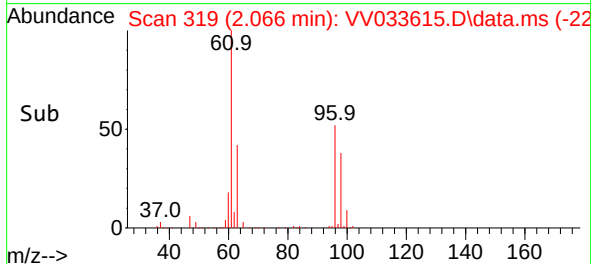
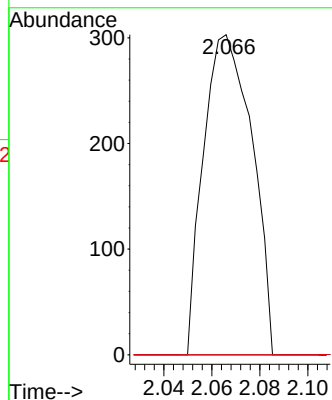
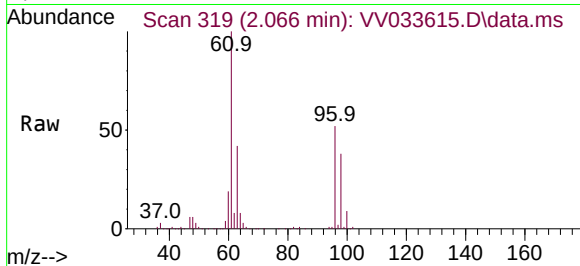




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.150 ug/L
 RT: 2.066 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV033615.D
 Acq: 12 Jan 2024 23:28

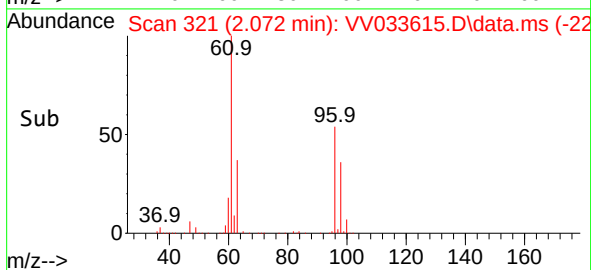
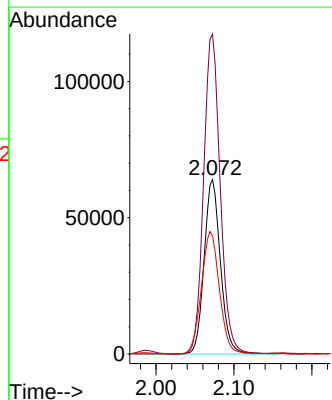
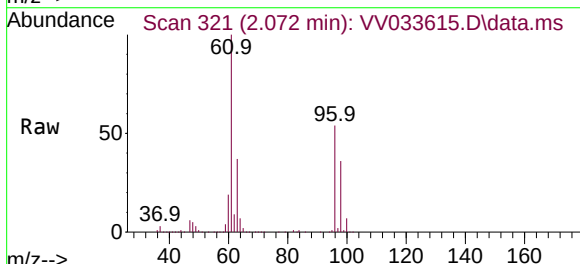
Instrument :
 MSVOA_V
 ClientSampleId :

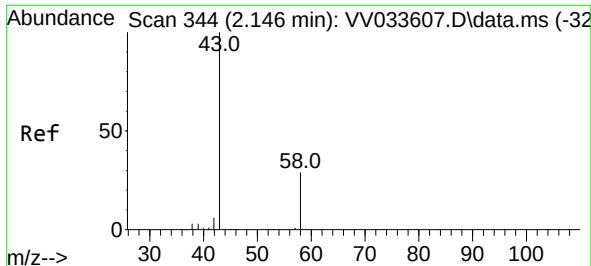
Tgt Ion:101 Resp: 425
 Ion Ratio Lower Upper
 101 100
 85 0.0 36.4 54.6#
 151 0.0 58.1 87.1#



#12
 1,1-Dichloroethene
 Concen: 33.069 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV033615.D
 Acq: 12 Jan 2024 23:28

Tgt Ion: 96 Resp: 92962
 Ion Ratio Lower Upper
 96 100
 61 183.5 133.8 248.4
 63 67.7 77.2 143.4#





#13

Acetone

Concen: 156.626 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.035 min

Lab File: VV033615.D

Acq: 12 Jan 2024 23:28

Instrument :

MSVOA_V

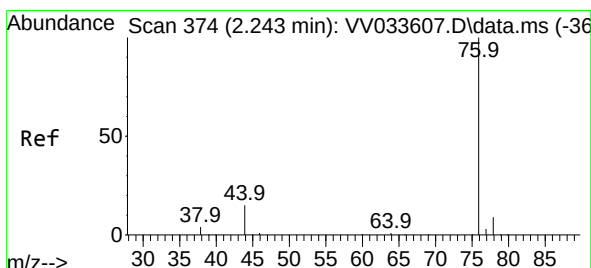
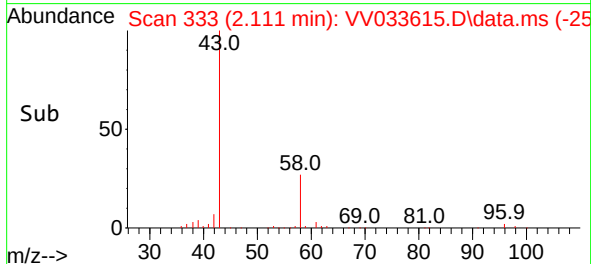
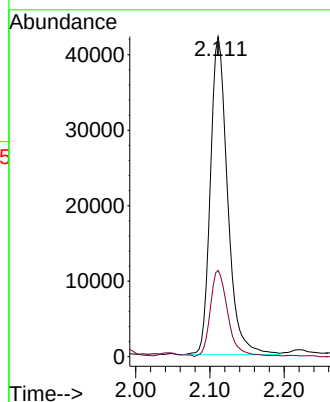
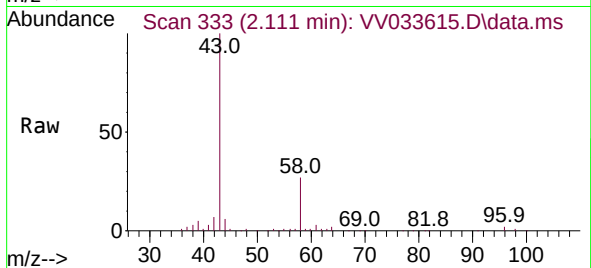
ClientSampleId :

Tgt Ion: 43 Resp: 67795

Ion Ratio Lower Upper

43 100

58 27.8 0.0 51.0



#14

Carbon disulfide

Concen: 0.694 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.003 min

Lab File: VV033615.D

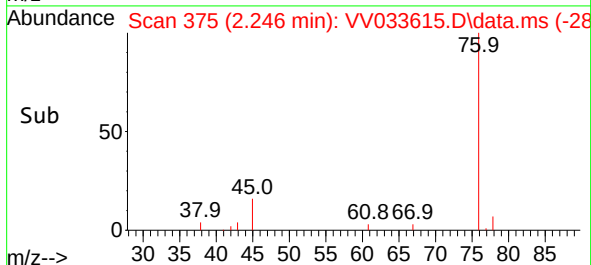
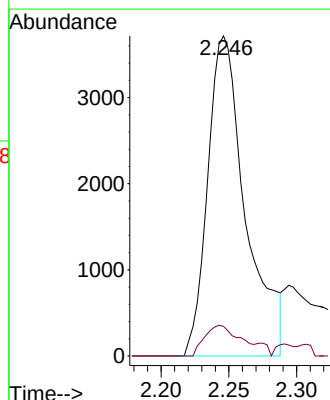
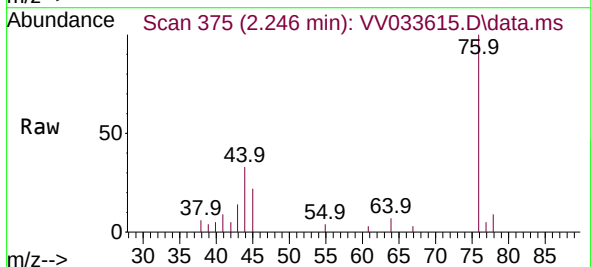
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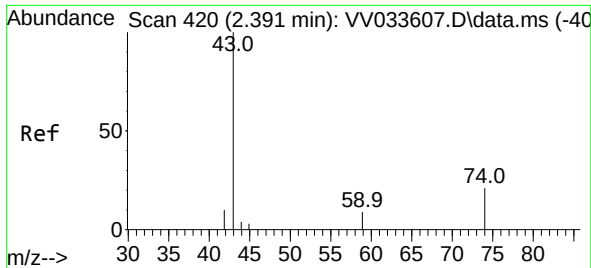
Tgt Ion: 76 Resp: 7214

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

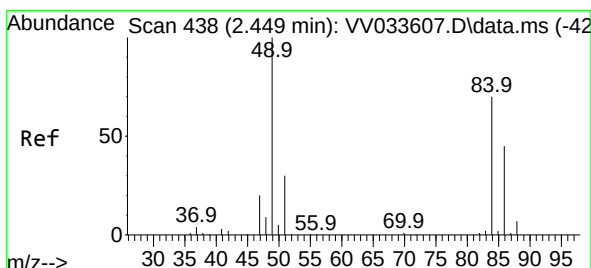
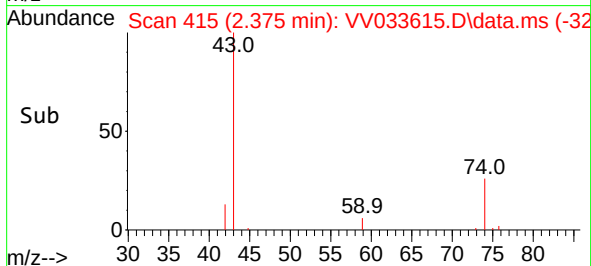
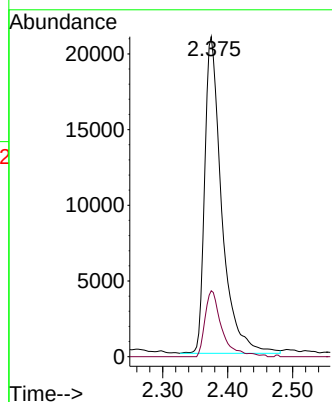
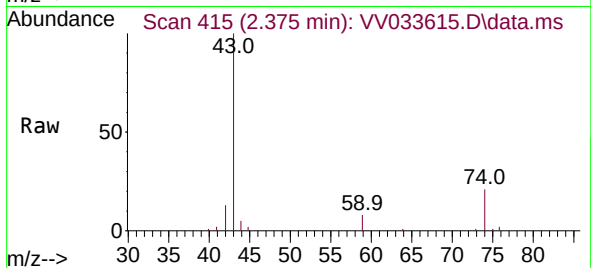




#15
Methyl Acetate
Concen: 36.944 ug/L
RT: 2.375 min Scan# 415
Delta R.T. -0.016 min
Lab File: VV033615.D
Acq: 12 Jan 2024 23:28

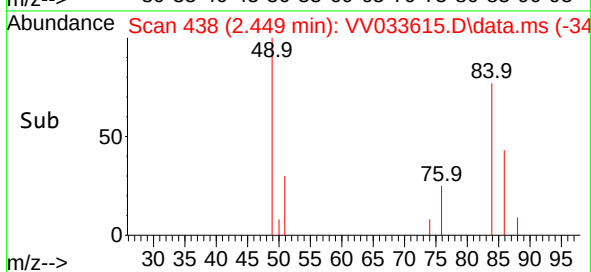
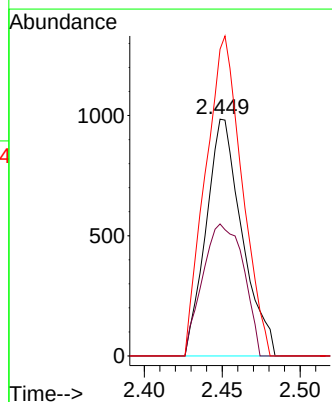
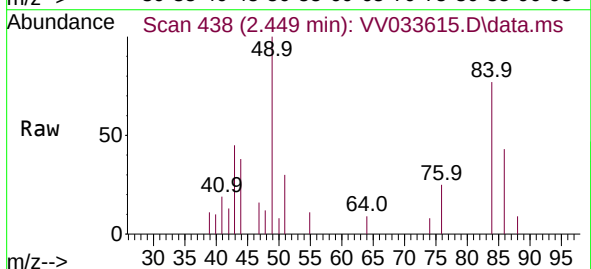
Instrument :
MSVOA_V
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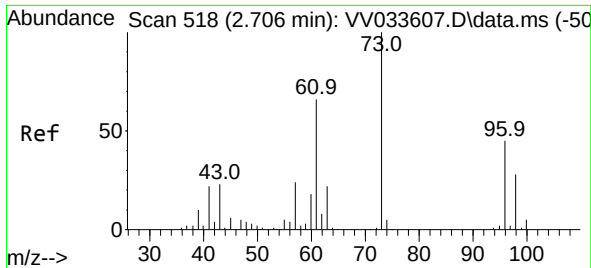
Tgt Ion: 43 Resp: 38221
Ion Ratio Lower Upper
43 100
74 20.6 16.6 24.8



#16
Methylene chloride
Concen: 0.477 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV033615.D
Acq: 12 Jan 2024 23:28

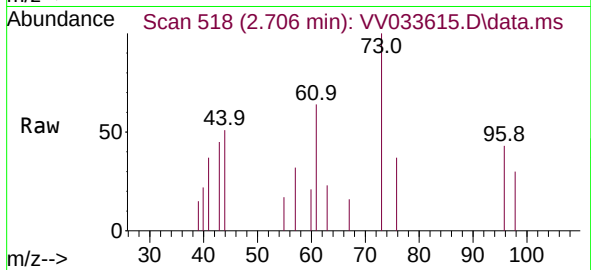
Tgt Ion: 84 Resp: 1582
Ion Ratio Lower Upper
84 100
86 55.7 45.5 84.5
49 129.5 100.3 186.3



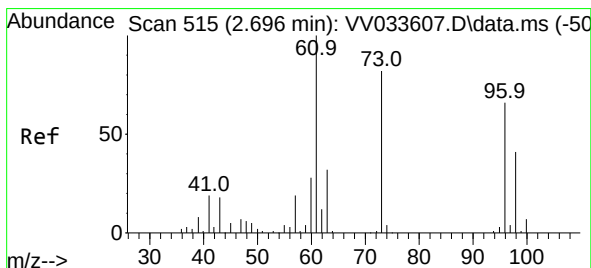
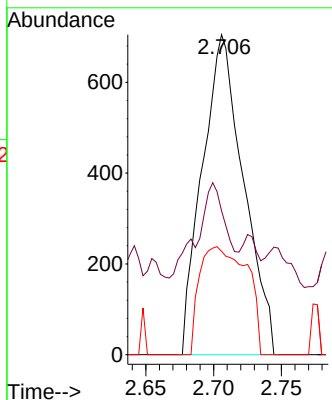
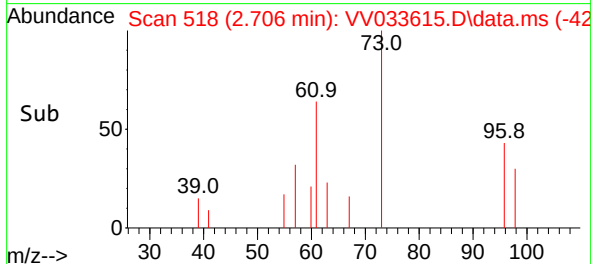


#17
Methyl tert-butyl Ether
Concen: 0.235 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.000 min
Lab File: VV033615.D
Acq: 12 Jan 2024 23:28

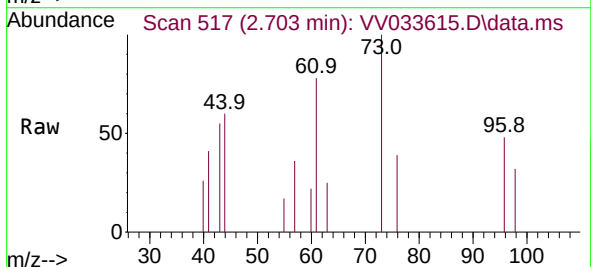
Instrument :
MSVOA_V
ClientSampleId :



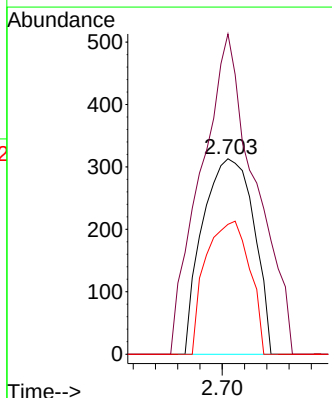
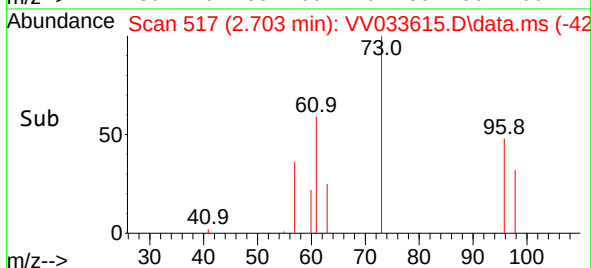
Tgt Ion: 73	Resp: 1493
Ion Ratio	Lower Upper
73 100	
43 20.8	17.7 26.5
57 38.6	19.5 29.3#

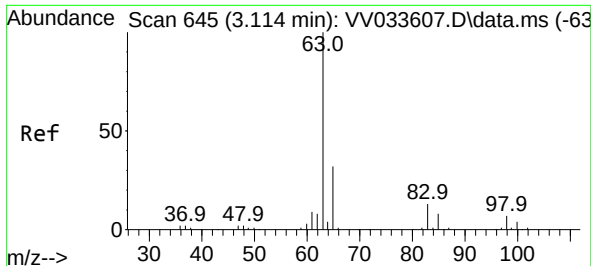


#18
trans-1,2-Dichloroethene
Concen: 0.157 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.006 min
Lab File: VV033615.D
Acq: 12 Jan 2024 23:28



Tgt Ion: 96	Resp: 499
Ion Ratio	Lower Upper
96 100	
61 163.9	110.4 205.0
98 66.5	44.1 81.9

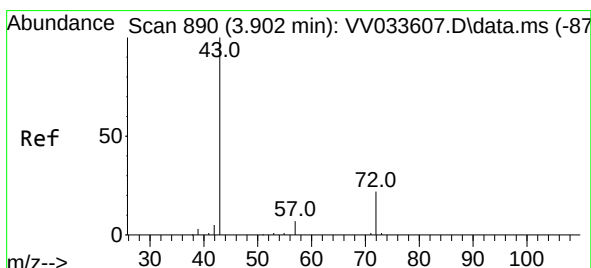
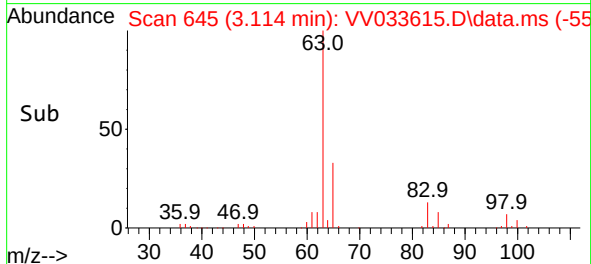
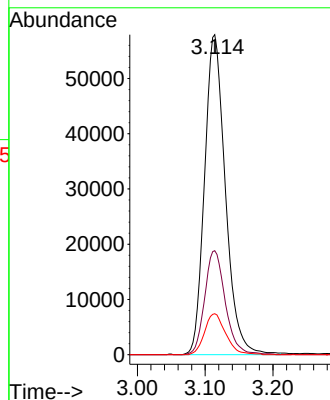
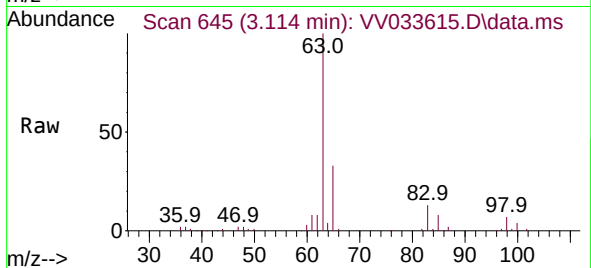




#19
1,1-Dichloroethane
Concen: 19.613 ug/L
RT: 3.114 min Scan# 64
Delta R.T. 0.000 min
Lab File: VV033615.D
Acq: 12 Jan 2024 23:28

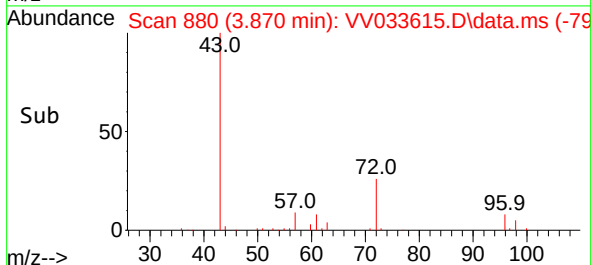
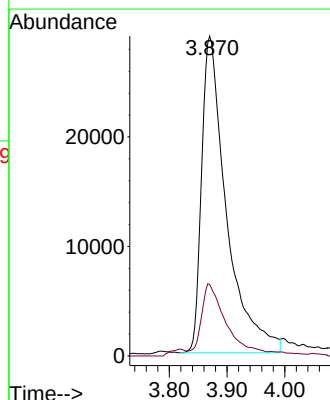
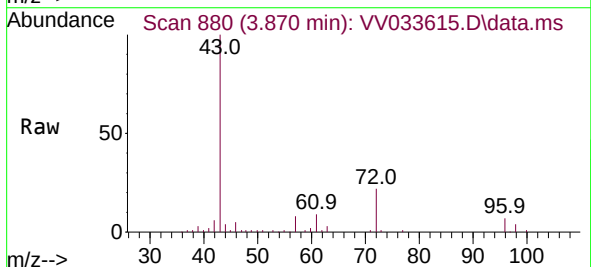
Instrument :
MSVOA_V
ClientSampleId :

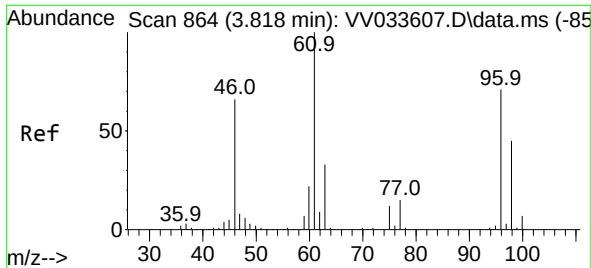
Tgt Ion: 63 Resp: 123749
Ion Ratio Lower Upper
63 100
65 32.5 21.6 40.2
83 12.8 9.1 16.9



#21
2-Butanone
Concen: 144.011 ug/L
RT: 3.870 min Scan# 880
Delta R.T. -0.032 min
Lab File: VV033615.D
Acq: 12 Jan 2024 23:28

Tgt Ion: 43 Resp: 86526
Ion Ratio Lower Upper
43 100
72 20.5 10.5 31.6





#22

cis-1,2-Dichloroethene

Concen: 44.112 ug/L

RT: 3.815 min Scan# 8

Delta R.T. -0.003 min

Lab File: VV033615.D

Acq: 12 Jan 2024 23:28

Instrument :

MSVOA_V

ClientSampleId :

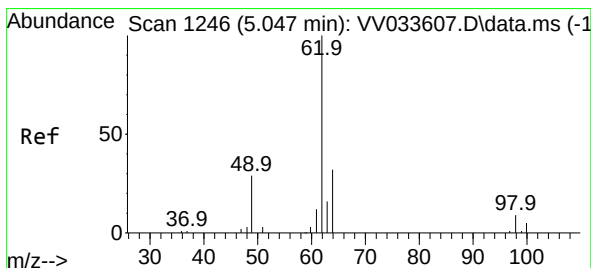
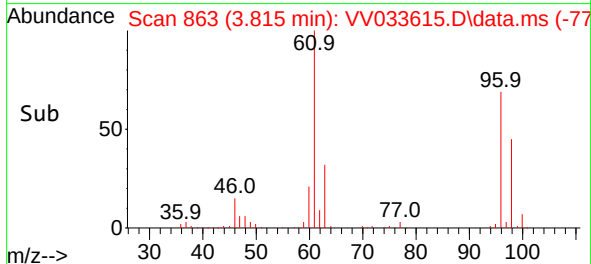
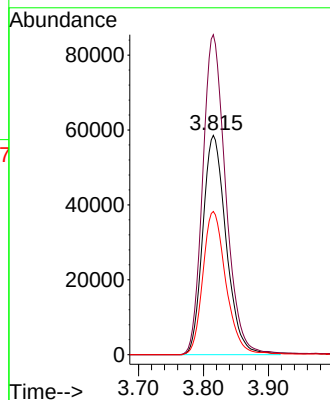
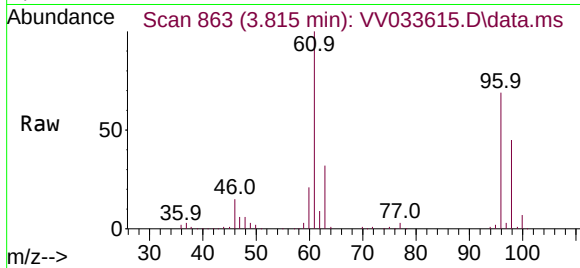
Tgt Ion: 96 Resp: 146678

Ion Ratio Lower Upper

96 100

61 145.9 97.1 180.3

98 65.3 42.6 79.0



#27

1,2-Dichloroethane

Concen: 0.261 ug/L

RT: 5.072 min Scan# 1254

Delta R.T. 0.026 min

Lab File: VV033615.D

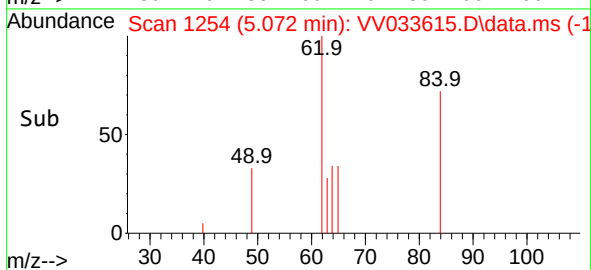
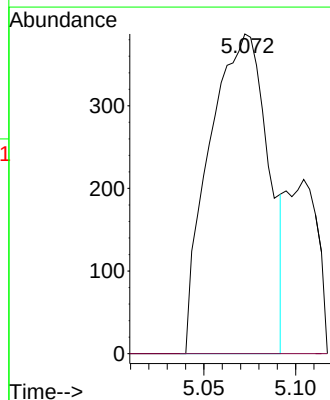
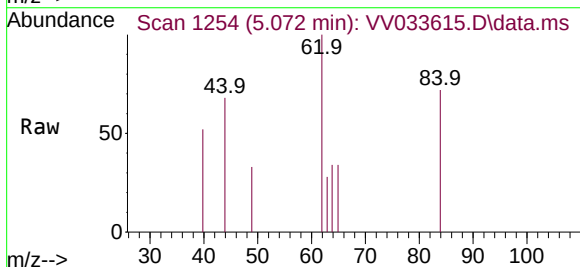
Acq: 12 Jan 2024 23:28

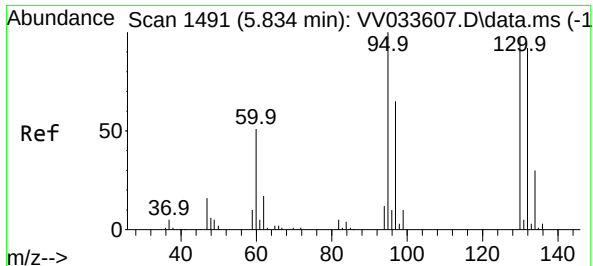
Tgt Ion: 62 Resp: 862

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.6#



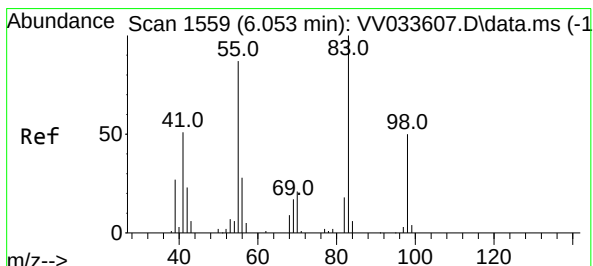
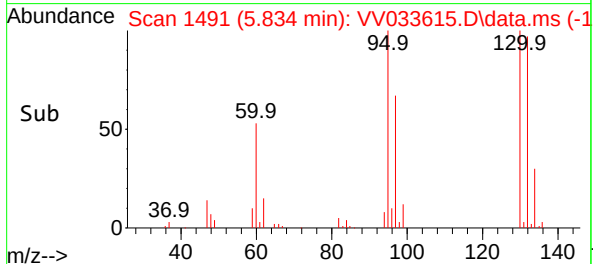
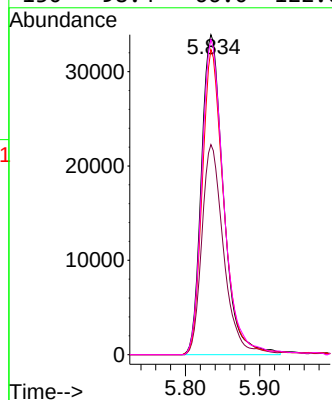
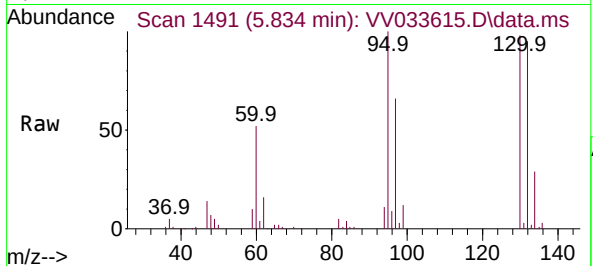


#34
Trichloroethene
Concen: 19.597 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VV033615.D
Acq: 12 Jan 2024 23:28

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 95 Resp: 69953

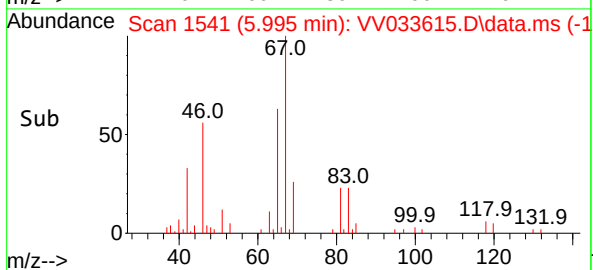
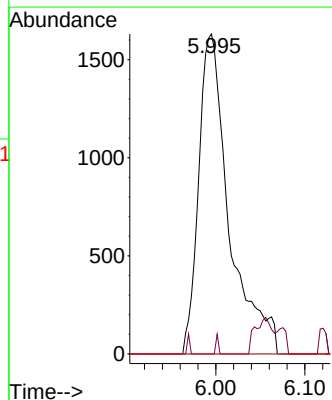
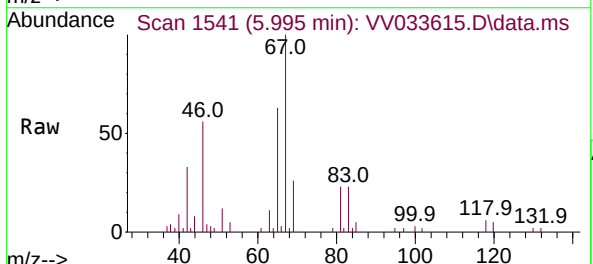
Ion	Ratio	Lower	Upper
95	100		
97	65.6	45.1	83.9
132	95.3	65.2	121.2
130	98.4	66.0	122.6

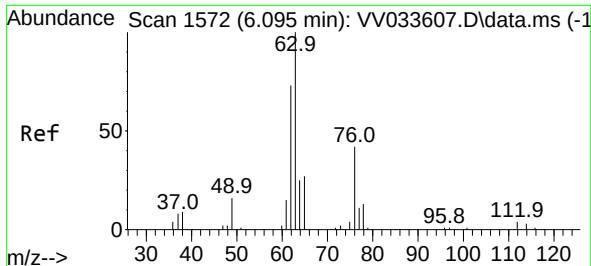


#35
Methylcyclohexane
Concen: 0.641 ug/L
RT: 5.995 min Scan# 1541
Delta R.T. -0.058 min
Lab File: VV033615.D
Acq: 12 Jan 2024 23:28

Tgt Ion: 83 Resp: 3875

Ion	Ratio	Lower	Upper
83	100		
55	0.5	68.7	103.1#
98	0.0	38.3	57.5#





#37

1,2-Dichloropropane

Concen: 0.498 ug/L

RT: 6.111 min Scan# 1

Delta R.T. 0.016 min

Lab File: VV033615.D

Acq: 12 Jan 2024 23:28

Instrument :

MSVOA_V

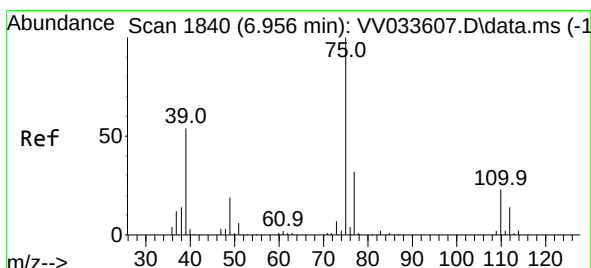
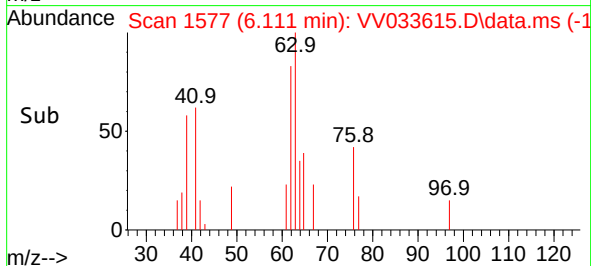
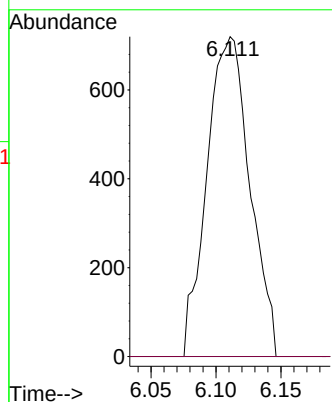
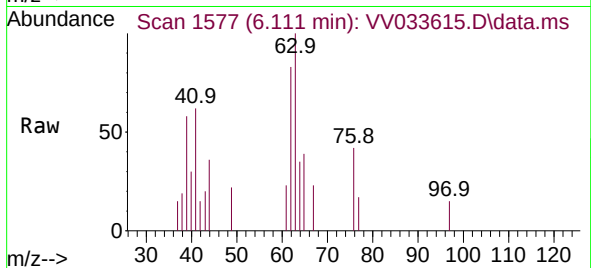
ClientSampleId :

Tgt Ion: 63 Resp: 1659

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 6.921 min Scan# 1829

Delta R.T. -0.035 min

Lab File: VV033615.D

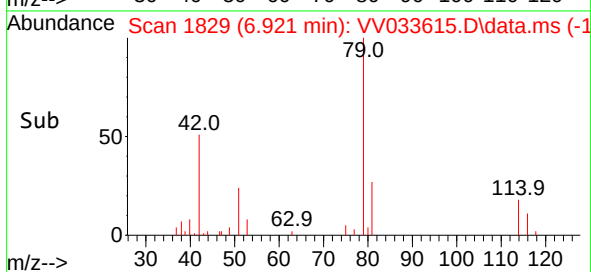
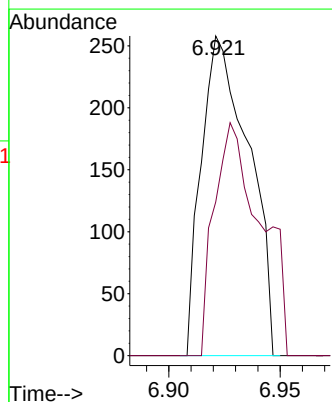
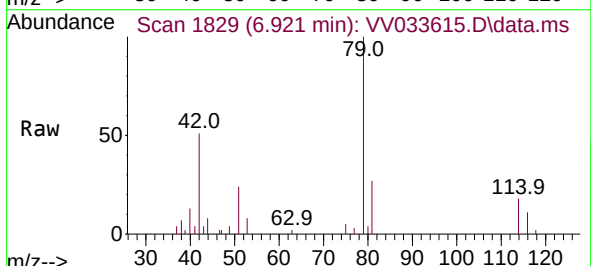
Acq: 12 Jan 2024 23:28

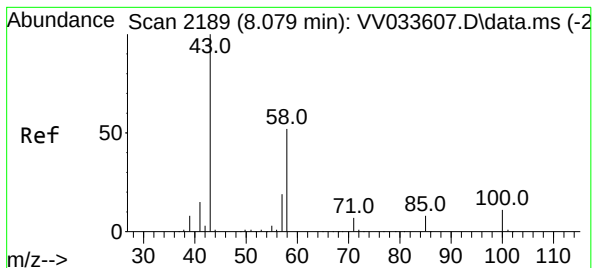
Tgt Ion: 75 Resp: 382

Ion Ratio Lower Upper

75 100

77 48.1 22.5 41.7#





#48

2-Hexanone

Concen: 4.639 ug/L

RT: 8.088 min Scan# 2189

Delta R.T. 0.010 min

Lab File: VV033615.D

Acq: 12 Jan 2024 23:28

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 5202

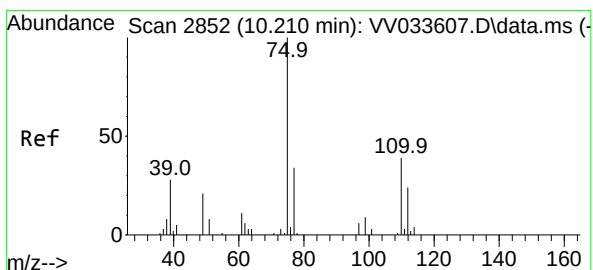
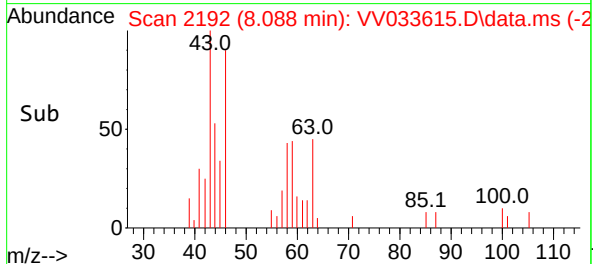
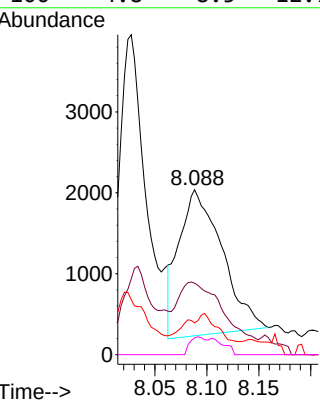
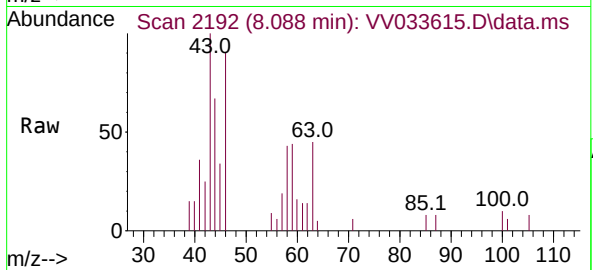
Ion Ratio Lower Upper

43 100

58 55.4 40.6 61.0

57 7.2 13.8 20.8#

100 4.8 8.5 12.7#



#61

1,2,3-Trichloropropane

Concen: 1.604 ug/L

RT: 11.188 min Scan# 3156

Delta R.T. 0.978 min

Lab File: VV033615.D

Acq: 12 Jan 2024 23:28

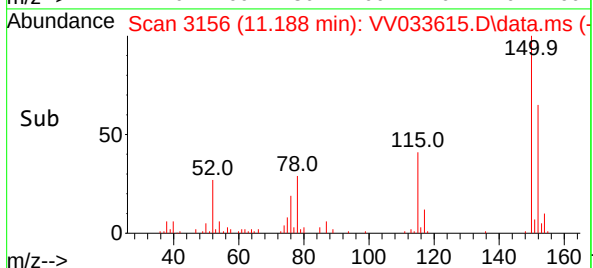
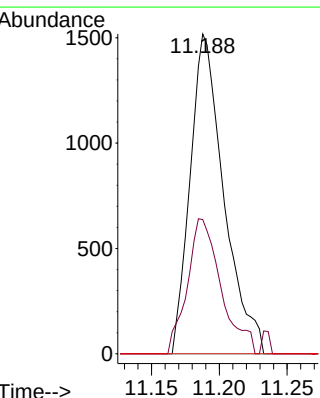
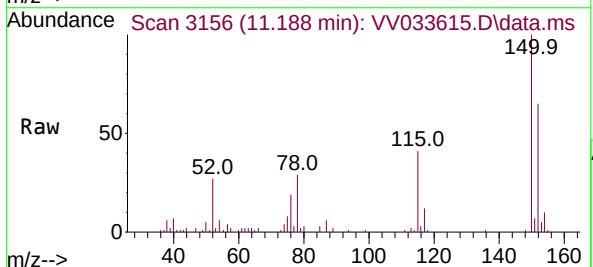
Tgt Ion: 75 Resp: 2619

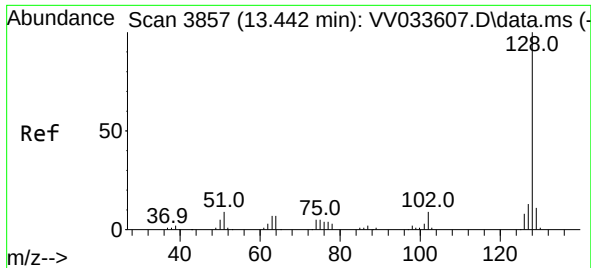
Ion Ratio Lower Upper

75 100

77 42.4 24.7 37.1#

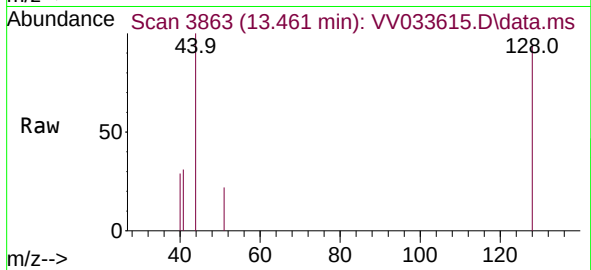
110 0.0 28.0 42.0#





#71
Naphthalene
Concen: 0.120 ug/L
RT: 13.461 min Scan# 3863
Delta R.T. 0.019 min
Lab File: VV033615.D
Acq: 12 Jan 2024 23:28

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 922
Ion Ratio Lower Upper
128 100
129 0.0 8.8 13.2#
127 0.0 10.4 15.6#

