

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW122821\
 Data File : VW024226.D
 Acq On : 28 Dec 2021 18:22
 Operator : SY/MD
 Sample : M5193-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 29 05:07:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR122721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 29 04:43:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	82575	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	84691	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	45510	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	24745	3.984	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.600%
7) Chloroethane-d5	1.564	69	23844	4.603	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.000%
11) 1,1-Dichloroethene-d2	2.104	63	53617	3.552	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.000%
20) 2-Butanone-d5	3.902	46	41826	60.625	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.240%
24) Chloroform-d	4.346	84	62161	4.715	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
26) 1,2-Dichloroethane-d4	5.034	65	29028	4.918	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
32) Benzene-d6	5.050	84	109964	4.808	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
36) 1,2-Dichloropropane-d6	6.069	67	31440	5.019	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.400%
41) Toluene-d8	7.316	98	97835	4.340	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.800%
43) trans-1,3-Dichloroprop...	7.625	79	10219	3.852	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.000%
46) 2-Hexanone-d5	8.091	63	45026	50.481	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.960%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	23152	5.413	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	41753	5.278	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	1776	0.123	ug/L #	77
5) Vinyl chloride	1.307	62	34788	2.357	ug/L #	23
8) Chloroethane	1.590	64	1113	0.130	ug/L #	56
12) 1,1-Dichloroethene	2.114	96	28603	2.523	ug/L	95
13) Acetone	2.204	43	15391	15.719	ug/L	76
14) Carbon disulfide	2.291	76	26503	0.723	ug/L	96
17) Methyl tert-butyl Ether	2.767	73	1525	0.067	ug/L #	21
18) trans-1,2-Dichloroethene	2.757	96	204715	17.001	ug/L	97
19) 1,1-Dichloroethane	3.185	63	102082	5.093	ug/L	99
21) 2-Butanone	4.005	43	15637	12.138	ug/L	86
22) cis-1,2-Dichloroethene	3.905	96	1985836	166.655	ug/L	100
27) 1,2-Dichloroethane	5.117	62	816	0.065	ug/L #	73
34) Trichloroethene	5.908	95	381669	30.443	ug/L	98
35) Methylcyclohexane	6.072	83	8445	0.465	ug/L #	18
42) Toluene	7.394	91	5294	0.107	ug/L	90
47) Tetrachloroethene	7.976	164	971	0.087	ug/L #	80
48) 2-Hexanone	8.088	43	4708	1.314	ug/L #	71
49) Dibromochloromethane	7.979	129	863	0.084	ug/L #	11
51) Chlorobenzene	9.107	112	4420	0.135	ug/L #	44

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV122821\
Data File : VV024226.D
Acq On : 28 Dec 2021 18:22
Operator : SY/MD
Sample : M5193-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Dec 29 05:07:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR122721WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Dec 29 04:43:10 2021
Response via : Initial Calibration

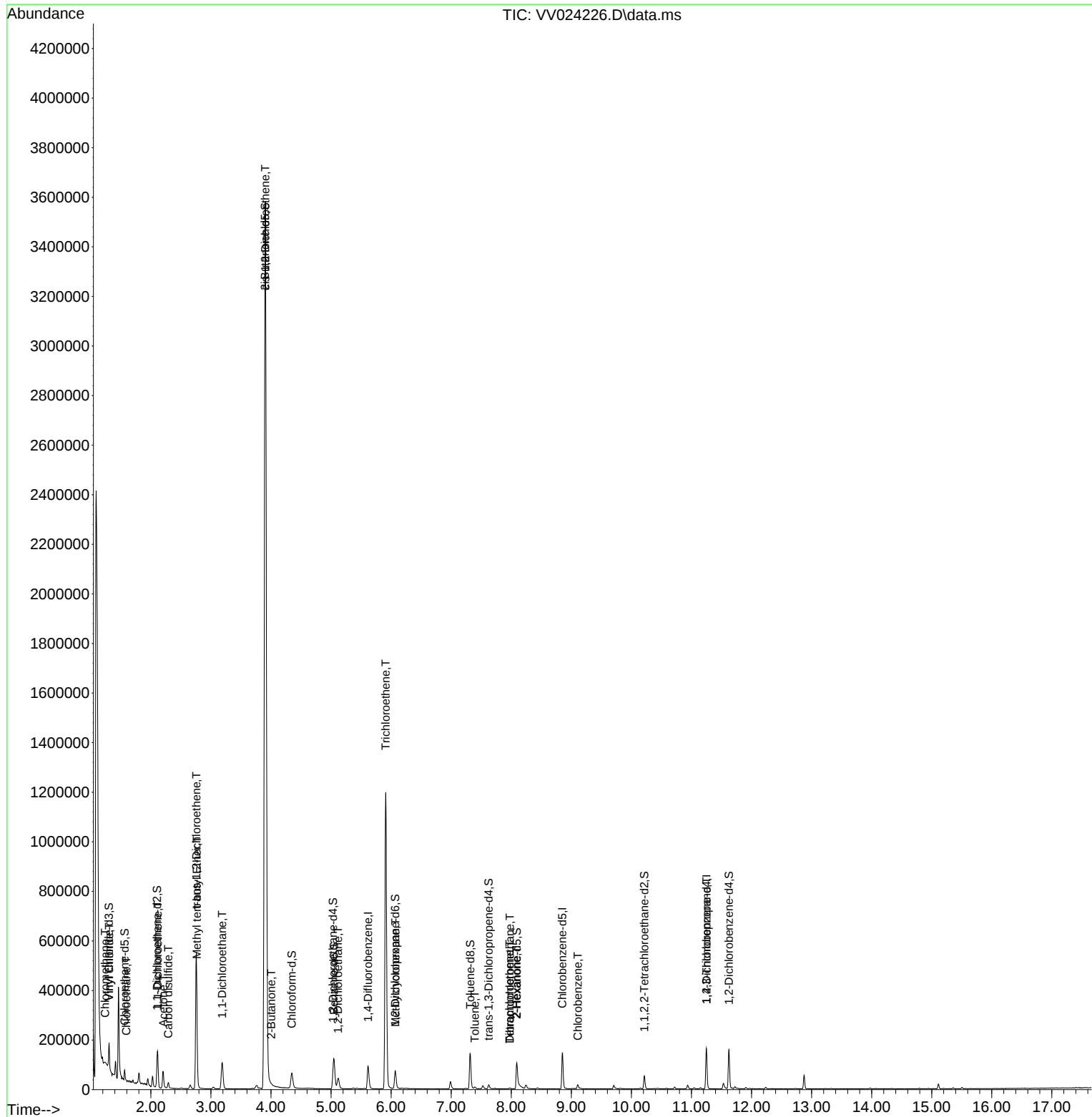
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.249	75	4518	0.839	ug/L	# 63

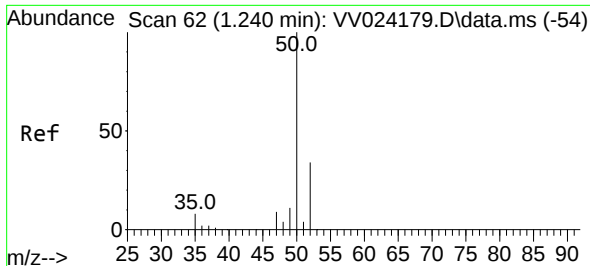
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV122821\
Data File : VV024226.D
Acq On : 28 Dec 2021 18:22
Operator : SY/MD
Sample : M5193-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Dec 29 05:07:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR122721WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Dec 29 04:43:10 2021
Response via : Initial Calibration

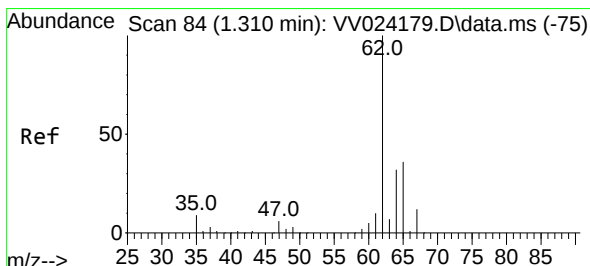
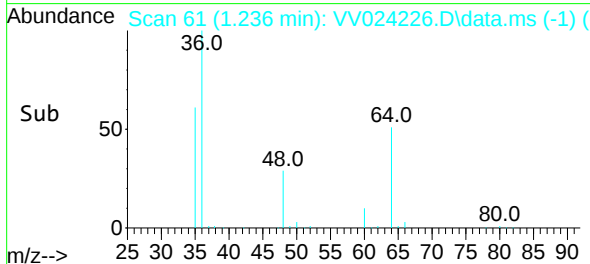
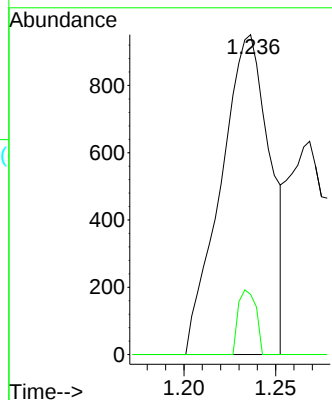
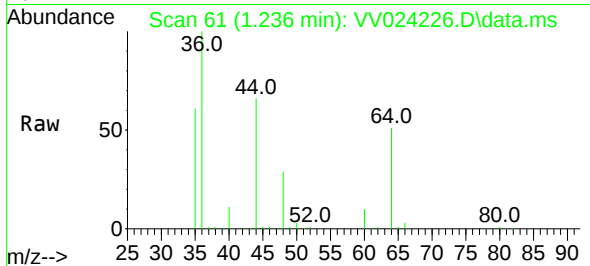




#3
Chloromethane
Concen: 0.123 ug/L
RT: 1.236 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV024226.D
Acq: 28 Dec 2021 18:22

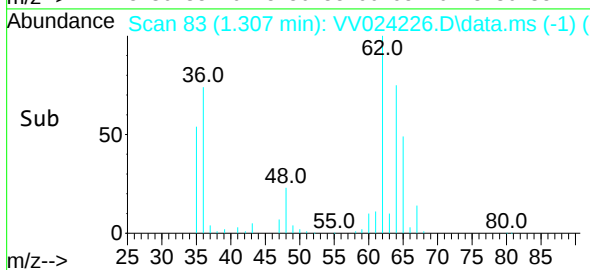
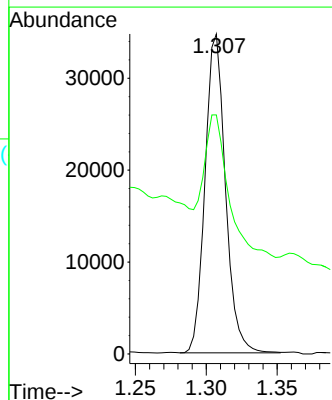
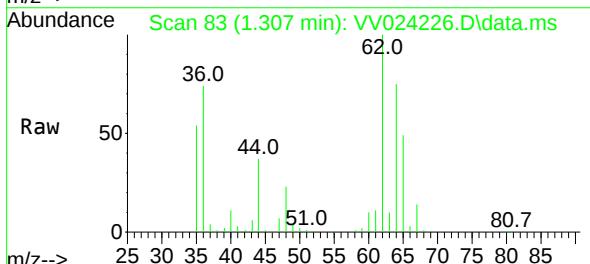
Instrument :
MSVOA_V
ClientSampleId :

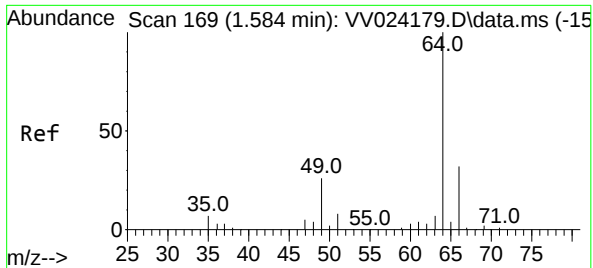
Tgt Ion: 50 Resp: 1776
Ion Ratio Lower Upper
50 100
52 18.8 22.0 41.0#



#5
Vinyl chloride
Concen: 2.357 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.003 min
Lab File: VV024226.D
Acq: 28 Dec 2021 18:22

Tgt Ion: 62 Resp: 34788
Ion Ratio Lower Upper
62 100
64 74.7 22.4 41.6#





#8

Chloroethane

Concen: 0.130 ug/L

RT: 1.590 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV024226.D

Acq: 28 Dec 2021 18:22

Instrument :

MSVOA_V

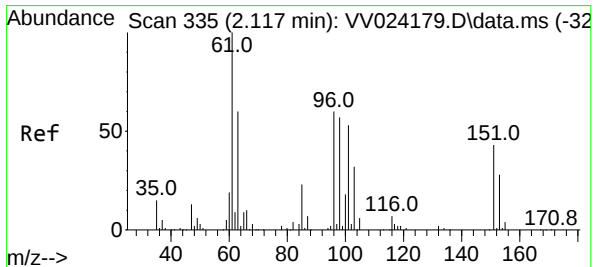
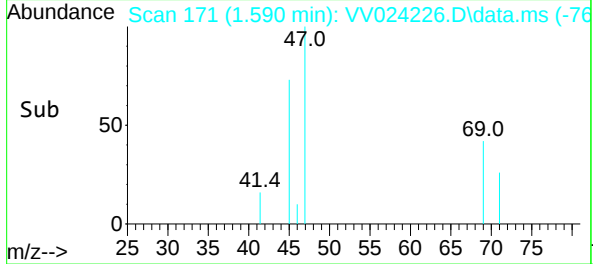
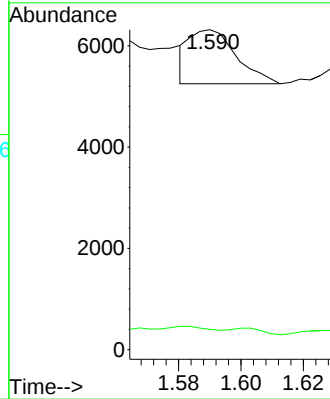
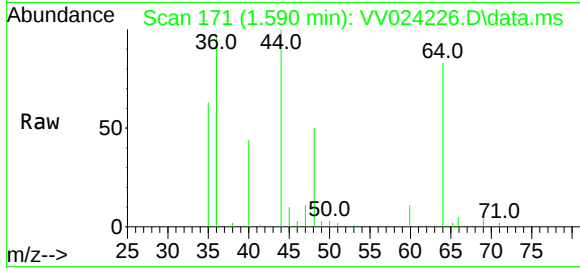
ClientSampleId :

Tgt Ion: 64 Resp: 1113

Ion Ratio Lower Upper

64 100

66 6.3 21.4 39.8#



#12

1,1-Dichloroethene

Concen: 2.523 ug/L

RT: 2.114 min Scan# 334

Delta R.T. -0.003 min

Lab File: VV024226.D

Acq: 28 Dec 2021 18:22

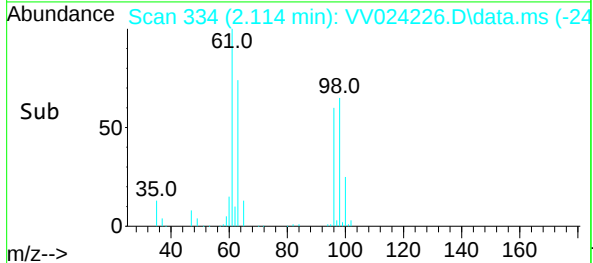
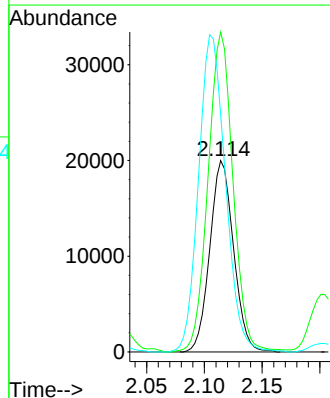
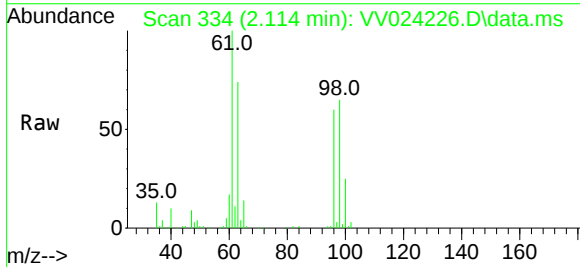
Tgt Ion: 96 Resp: 28603

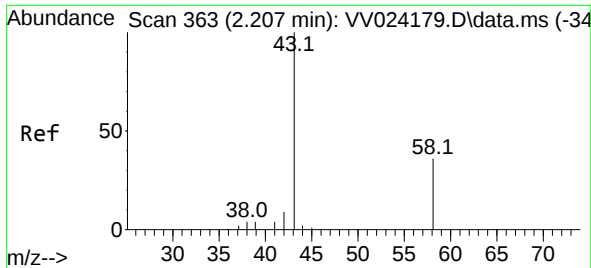
Ion Ratio Lower Upper

96 100

61 167.3 116.1 215.5

63 124.0 79.4 147.4





#13

Acetone

Concen: 15.719 ug/L

RT: 2.204 min Scan# 3

Delta R.T. -0.007 min

Lab File: VV024226.D

Acq: 28 Dec 2021 18:22

Instrument :

MSVOA_V

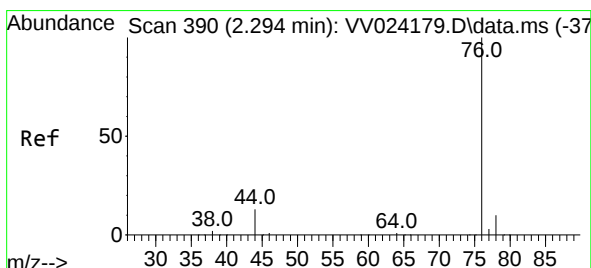
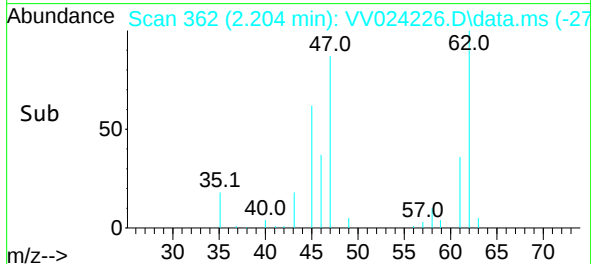
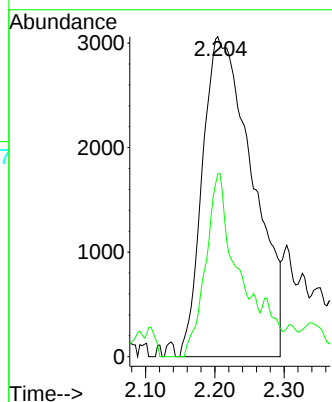
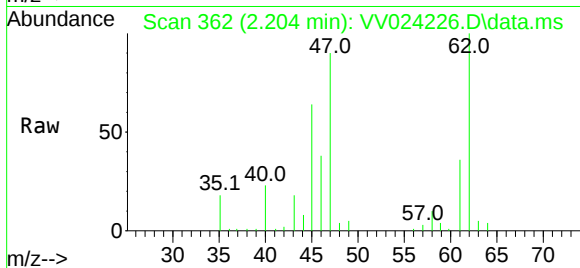
ClientSampleId :

Tgt Ion: 43 Resp: 15391

Ion Ratio Lower Upper

43 100

58 32.0 0.0 41.4



#14

Carbon disulfide

Concen: 0.723 ug/L

RT: 2.291 min Scan# 389

Delta R.T. -0.003 min

Lab File: VV024226.D

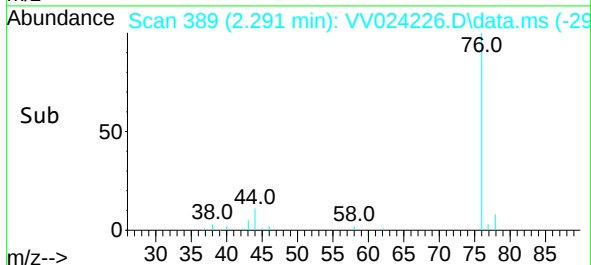
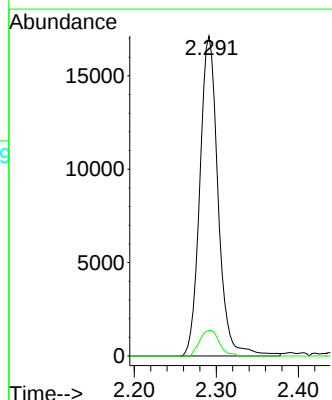
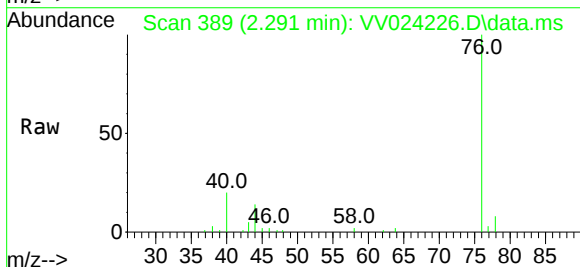
Acq: 28 Dec 2021 18:22

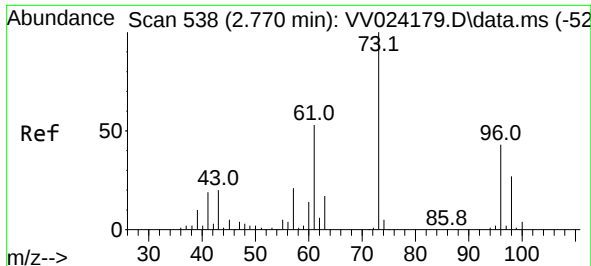
Tgt Ion: 76 Resp: 26503

Ion Ratio Lower Upper

76 100

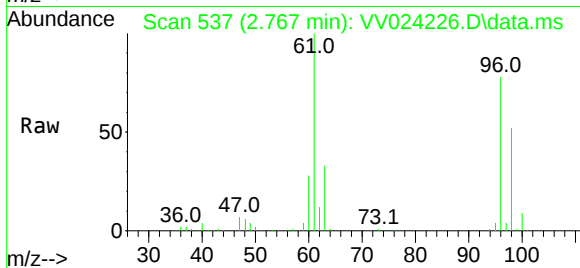
78 8.0 7.5 11.3



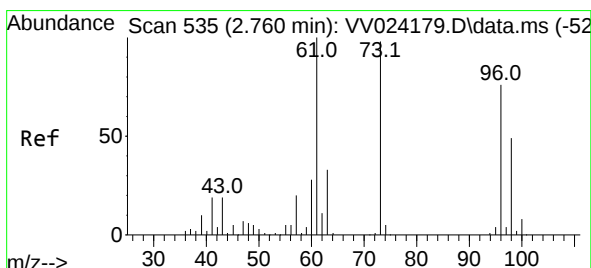
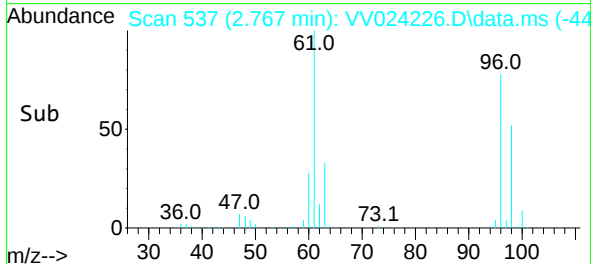
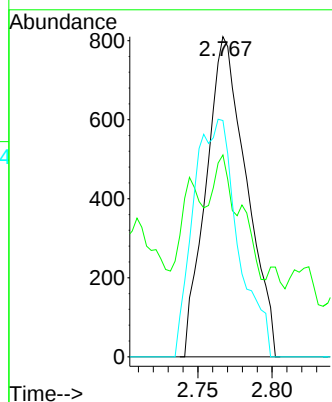


#17
Methyl tert-butyl Ether
Concen: 0.067 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV024226.D
Acq: 28 Dec 2021 18:22

Instrument :
MSVOA_V
ClientSampleId :

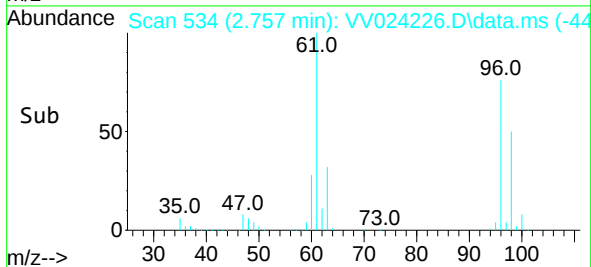
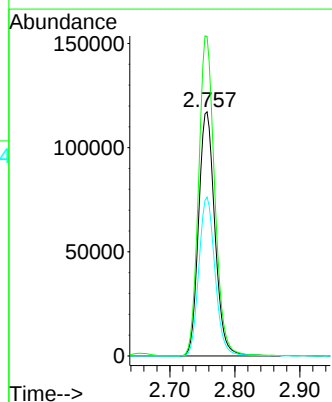
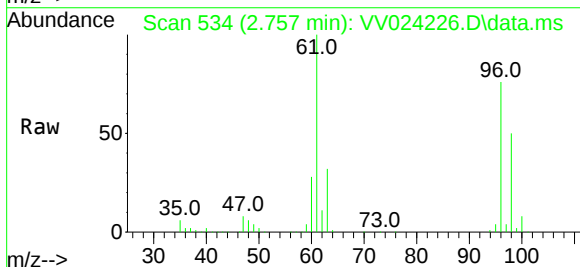


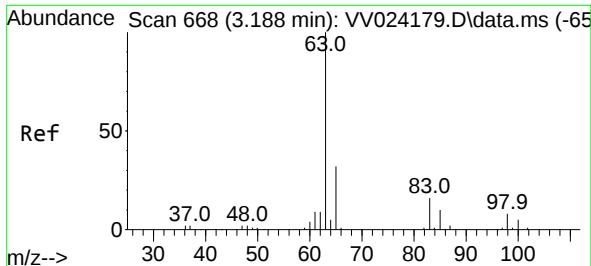
Tgt Ion: 73 Resp: 1525
Ion Ratio Lower Upper
73 100
43 29.9 15.5 23.3#
57 82.1 17.1 25.7#



#18
trans-1,2-Dichloroethene
Concen: 17.001 ug/L
RT: 2.757 min Scan# 534
Delta R.T. -0.003 min
Lab File: VV024226.D
Acq: 28 Dec 2021 18:22

Tgt Ion: 96 Resp: 204715
Ion Ratio Lower Upper
96 100
61 130.9 88.2 163.8
98 65.0 44.9 83.5





#19

1,1-Dichloroethane

Concen: 5.093 ug/L

RT: 3.185 min Scan# 6

Delta R.T. -0.007 min

Lab File: VV024226.D

Acq: 28 Dec 2021 18:22

Instrument :

MSVOA_V

ClientSampleId :

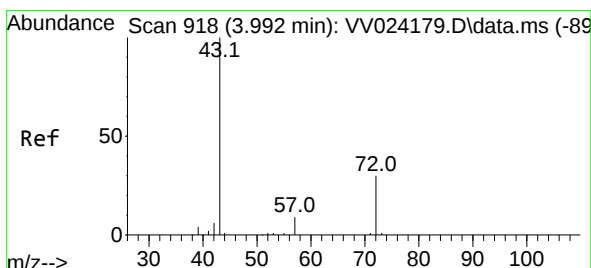
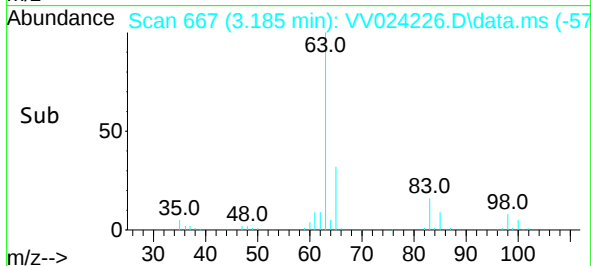
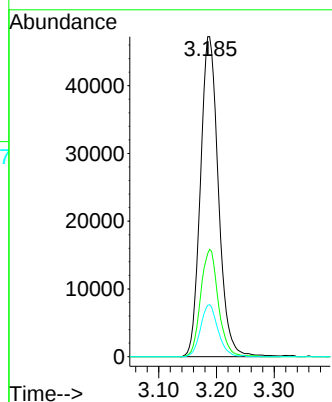
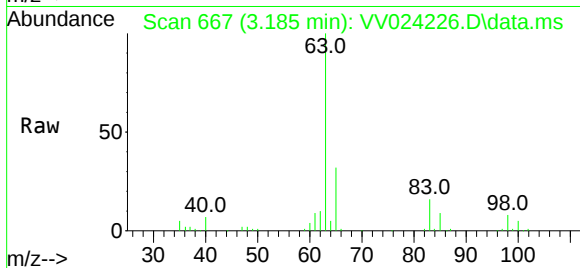
Tgt Ion: 63 Resp: 102082

Ion Ratio Lower Upper

63 100

65 32.2 22.3 41.3

83 16.0 10.7 19.9



#21

2-Butanone

Concen: 12.138 ug/L

RT: 4.005 min Scan# 922

Delta R.T. 0.010 min

Lab File: VV024226.D

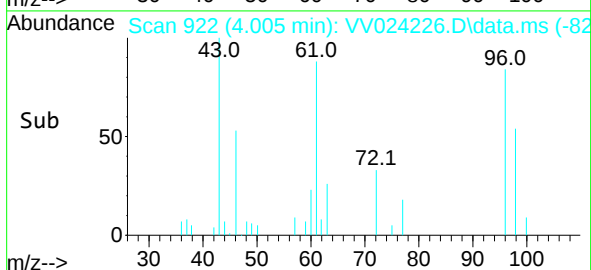
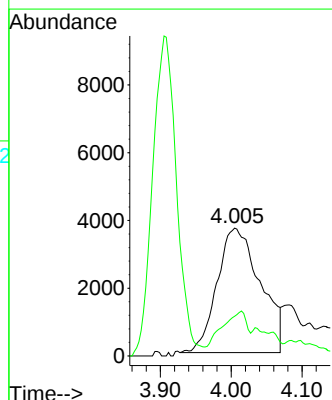
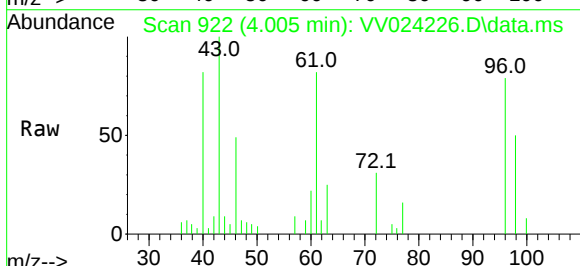
Acq: 28 Dec 2021 18:22

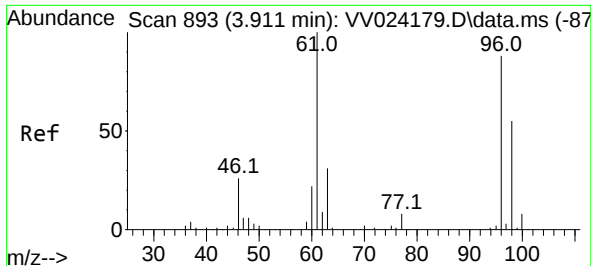
Tgt Ion: 43 Resp: 15637

Ion Ratio Lower Upper

43 100

72 15.6 11.1 33.1





#22

cis-1,2-Dichloroethene

Concen: 166.655 ug/L

RT: 3.905 min Scan# 89

Delta R.T. -0.007 min

Lab File: VV024226.D

Acq: 28 Dec 2021 18:22

Instrument :

MSVOA_V

ClientSampleId :

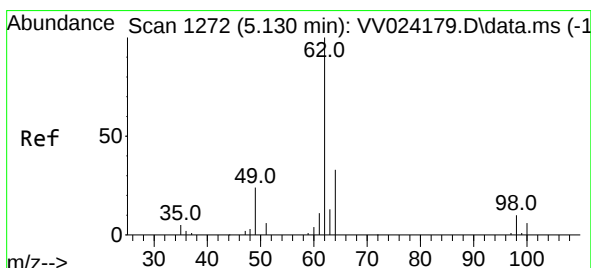
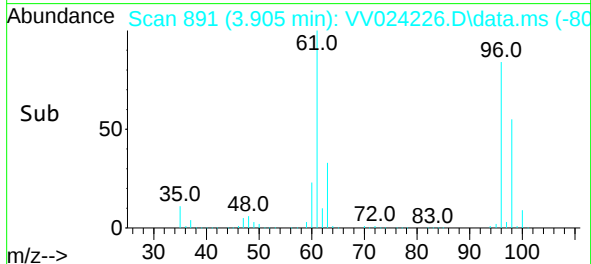
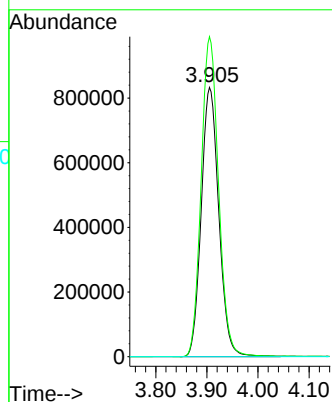
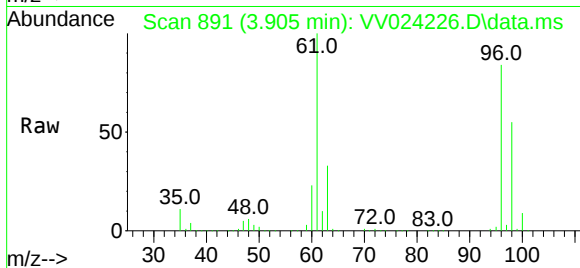
Tgt Ion: 96 Resp: 1985836

Ion Ratio Lower Upper

96 100

61 118.8 83.4 154.8

68 0.0 0.0 0.0



#27

1,2-Dichloroethane

Concen: 0.065 ug/L

RT: 5.117 min Scan# 1268

Delta R.T. -0.013 min

Lab File: VV024226.D

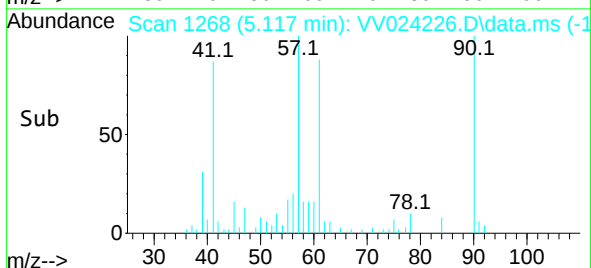
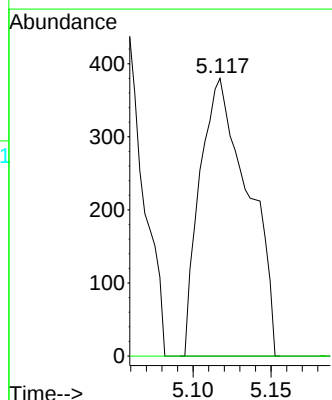
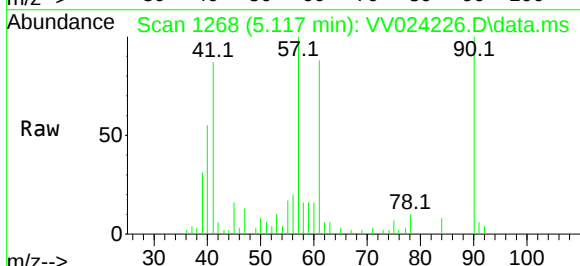
Acq: 28 Dec 2021 18:22

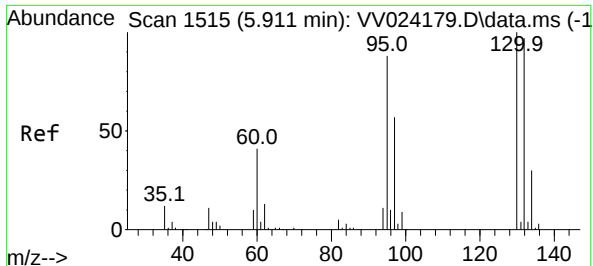
Tgt Ion: 62 Resp: 816

Ion Ratio Lower Upper

62 100

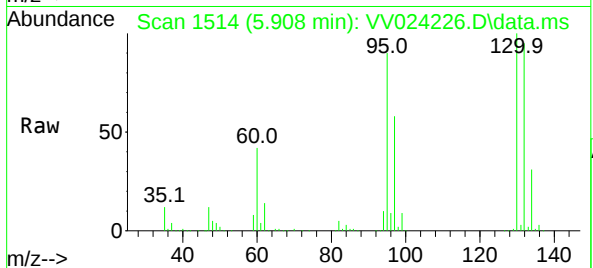
98 0.0 8.1 12.1#



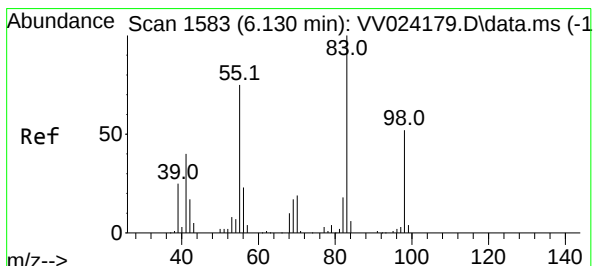
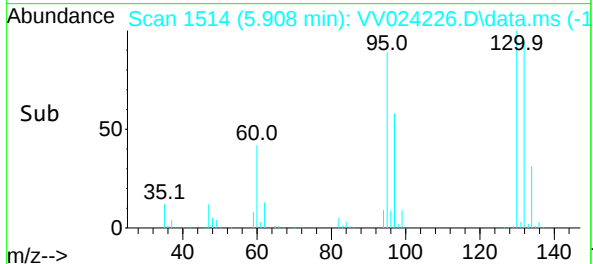
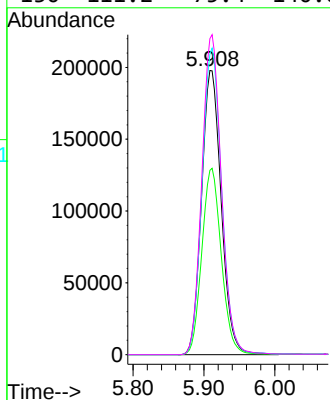


#34
Trichloroethene
Concen: 30.443 ug/L
RT: 5.908 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV024226.D
Acq: 28 Dec 2021 18:22

Instrument :
MSVOA_V
ClientSampleId :

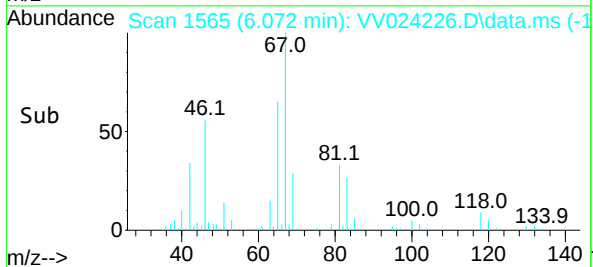
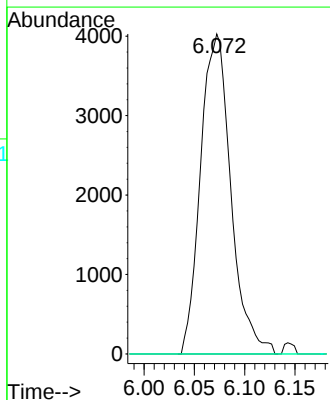
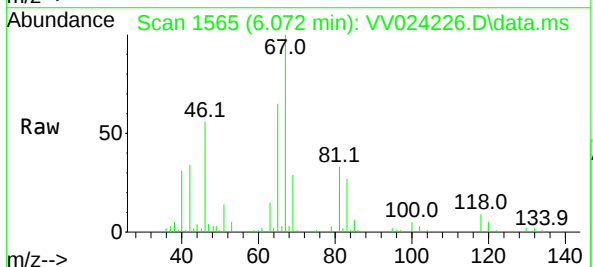


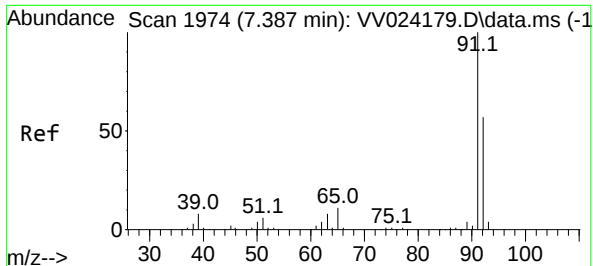
Tgt Ion: 95 Resp: 381669
Ion Ratio Lower Upper
95 100
97 64.9 45.2 84.0
132 105.8 76.1 141.3
130 111.2 75.4 140.0



#35
Methylcyclohexane
Concen: 0.465 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.058 min
Lab File: VV024226.D
Acq: 28 Dec 2021 18:22

Tgt Ion: 83 Resp: 8445
Ion Ratio Lower Upper
83 100
55 0.3 60.2 90.2#
98 0.0 41.0 61.4#





#42

Toluene

Concen: 0.107 ug/L

RT: 7.394 min Scan# 1974

Delta R.T. 0.006 min

Lab File: VV024226.D

Acq: 28 Dec 2021 18:22

Instrument :

MSVOA_V

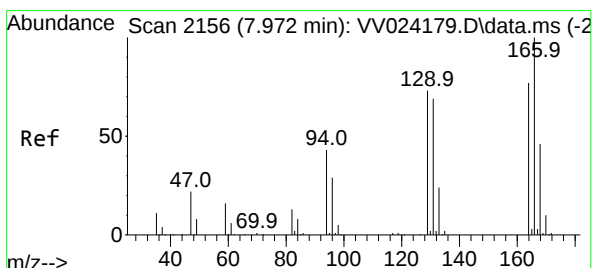
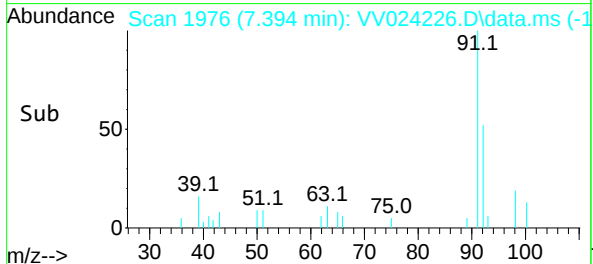
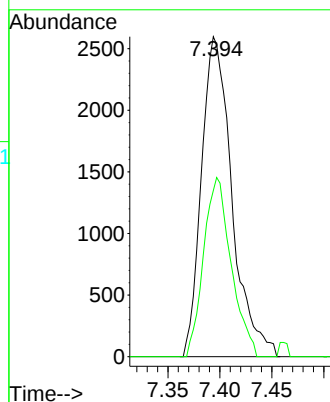
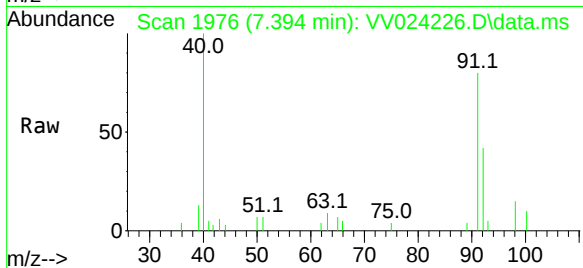
ClientSampleId :

Tgt Ion: 91 Resp: 5294

Ion Ratio Lower Upper

91 100

92 51.9 41.5 77.1



#47

Tetrachloroethene

Concen: 0.087 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

Lab File: VV024226.D

Acq: 28 Dec 2021 18:22

Tgt Ion: 164 Resp: 971

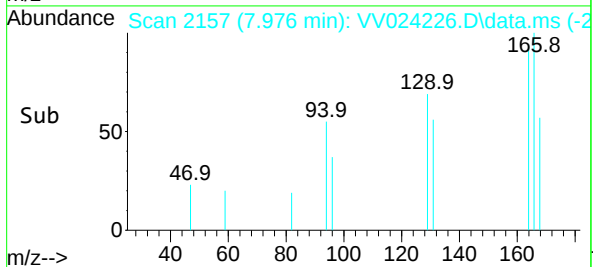
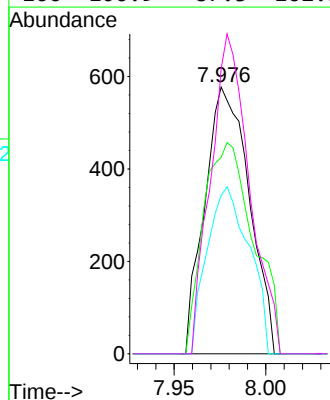
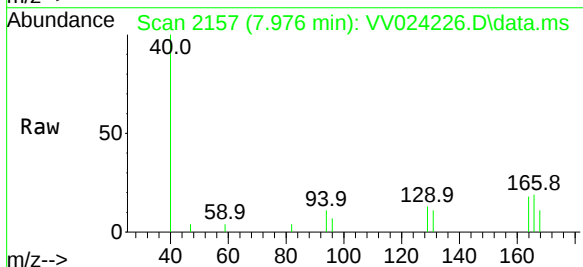
Ion Ratio Lower Upper

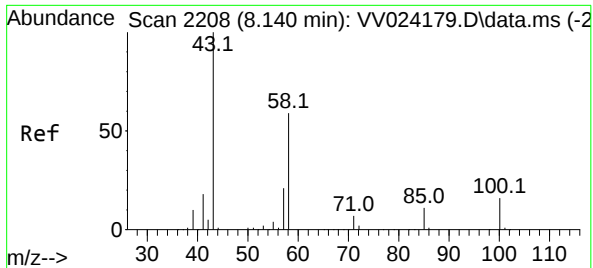
164 100

129 73.7 62.6 116.2

131 59.4 61.0 113.4#

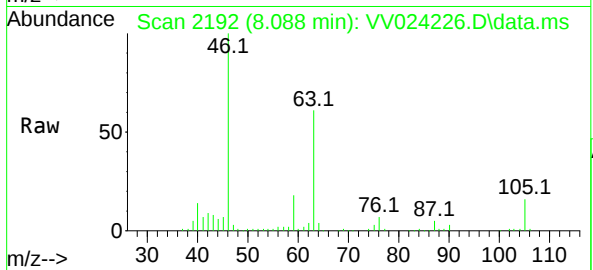
166 106.9 87.3 162.1



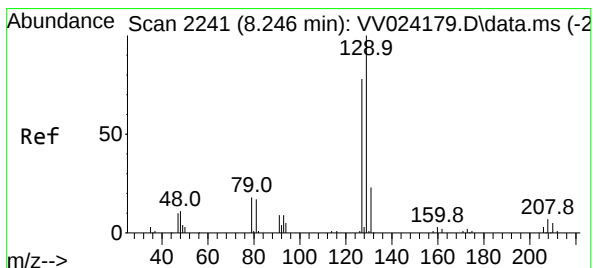
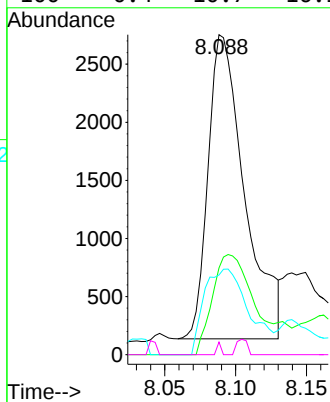
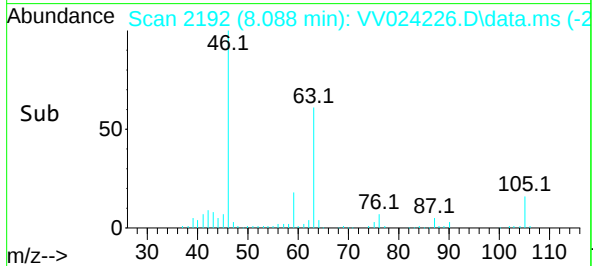


#48
2-Hexanone
Concen: 1.314 ug/L
RT: 8.088 min Scan# 2158
Delta R.T. -0.055 min
Lab File: VV024226.D
Acq: 28 Dec 2021 18:22

Instrument :
MSVOA_V
ClientSampleId :

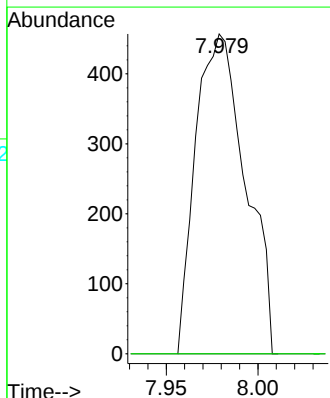
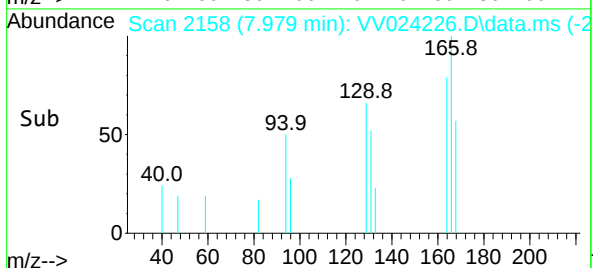
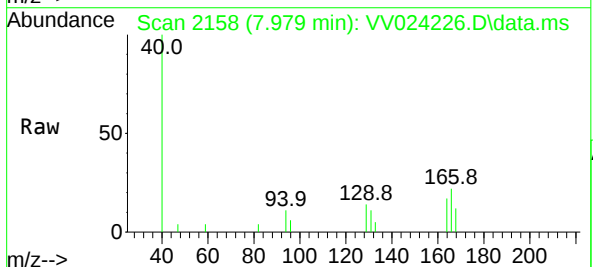


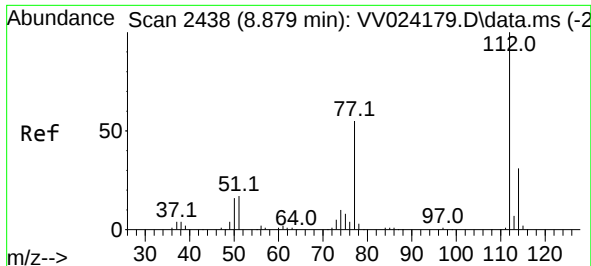
Tgt Ion: 43 Resp: 4708
Ion Ratio Lower Upper
43 100
58 36.7 44.5 66.7#
57 34.5 15.1 22.7#
100 0.4 10.7 16.1#



#49
Dibromochloromethane
Concen: 0.084 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.267 min
Lab File: VV024226.D
Acq: 28 Dec 2021 18:22

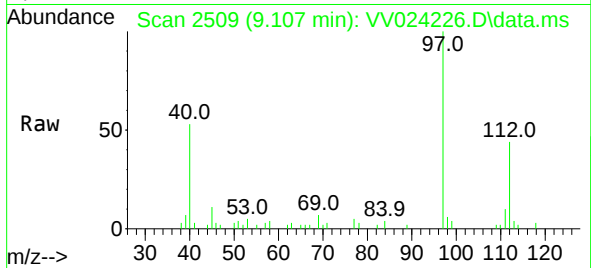
Tgt Ion: 129 Resp: 863
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.3#



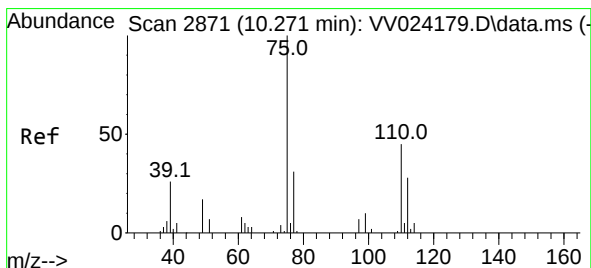
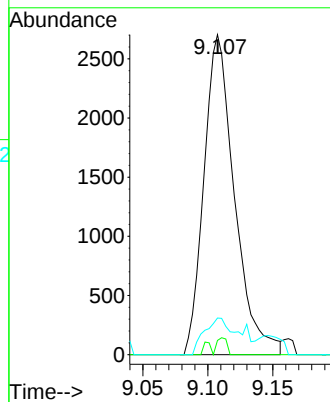
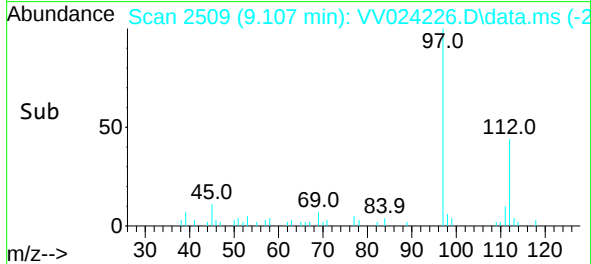


#51
Chlorobenzene
Concen: 0.135 ug/L
RT: 9.107 min Scan# 21
Delta R.T. 0.228 min
Lab File: VV024226.D
Acq: 28 Dec 2021 18:22

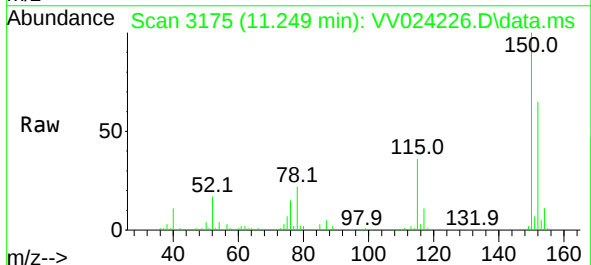
Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:112 Resp: 4420
Ion Ratio Lower Upper
112 100
114 4.4 23.3 43.3#
77 11.5 43.3 64.9#



#61
1,2,3-Trichloropropane
Concen: 0.839 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV024226.D
Acq: 28 Dec 2021 18:22



Tgt Ion: 75 Resp: 4518
Ion Ratio Lower Upper
75 100
77 36.6 26.4 39.6
110 4.0 34.2 51.2#

