

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012822\
 Data File : VW024486.D
 Acq On : 28 Jan 2022 14:53
 Operator : SY/MD
 Sample : N1328-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COHM1

Quant Time: Jan 29 02:26:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jan 29 02:05:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	139246	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	149883	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	76853	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	45554	3.734	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.600%
7) Chloroethane-d5	1.571	69	46657	4.384	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.600%
11) 1,1-Dichloroethene-d2	2.121	63	1448035	62.101	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	1242.000%#
20) 2-Butanone-d5	3.889	46	130300	67.018	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	134.040%#
24) Chloroform-d	4.352	84	113236	4.892	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
26) 1,2-Dichloroethane-d4	5.034	65	52914	5.047	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.000%
32) Benzene-d6	5.053	84	202146	4.516	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	6.072	67	67494	4.788	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.800%
41) Toluene-d8	7.317	98	168386	4.100	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.000%
43) trans-1,3-Dichloroprop...	7.625	79	21563	4.455	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.000%
46) 2-Hexanone-d5	8.088	63	105141	63.527	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.060%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	45193	5.387	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.800%
66) 1,2-Dichlorobenzene-d4	11.622	152	66740	5.064	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	4521	0.317	ug/L	97
5) Vinyl chloride	1.314	62	26601	1.858	ug/L	97
6) Bromomethane	1.529	94	371	0.041	ug/L	79
10) 1,1,2-Trichloro-1,2,2-...	2.121	101	6325	0.573	ug/L #	29
12) 1,1-Dichloroethene	2.121	96	2598097	248.286	ug/L #	75
18) trans-1,2-Dichloroethene	2.764	96	28869	2.875	ug/L	90
19) 1,1-Dichloroethane	3.191	63	218477	11.671	ug/L	97
22) cis-1,2-Dichloroethene	3.909	96	4609719	457.085	ug/L	93
25) Chloroform	4.378	83	33839	1.592	ug/L	93
27) 1,2-Dichloroethane	5.150	62	4578	0.452	ug/L	98
29) 1,1,1-Trichloroethane	4.609	97	2002539	115.186	ug/L	100
31) Carbon tetrachloride	4.609	117	260278	16.638	ug/L	99
33) Benzene	5.111	78	4806	0.120	ug/L	100
34) Trichloroethene	5.915	95	8130830	717.033	ug/L	93
35) Methylcyclohexane	6.072	83	16265	0.972	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	7741	0.785	ug/L #	85
44) trans-1,3-Dichloropropene	7.625	75	837	0.076	ug/L #	78
45) 1,1,2-Trichloroethane	7.847	97	7662	1.150	ug/L	95
51) Chlorobenzene	8.886	112	7852	0.286	ug/L #	80

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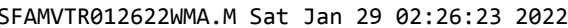
Instrument :
MSVOA_V
ClientSampleId :
C0HM1

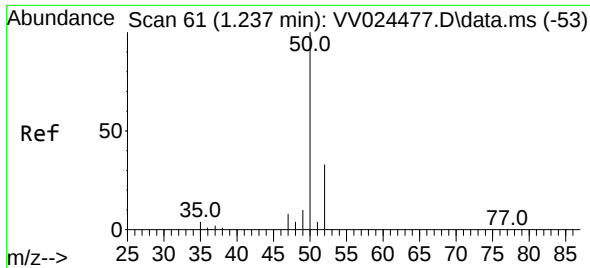
Quant Time: Jan 29 02:26:15 2022
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jan 29 02:05:31 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	10.947	75	727	0.153	ug/L #	60
68) 1,2-Dibromo-3-chloropr...	12.455	75	116	0.125	ug/L #	1

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

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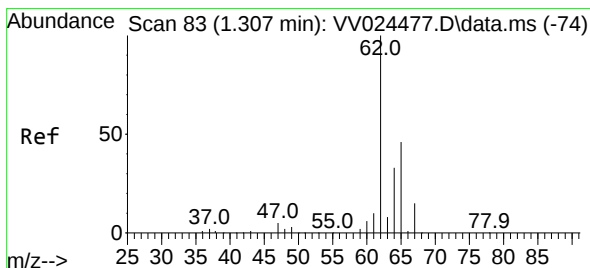
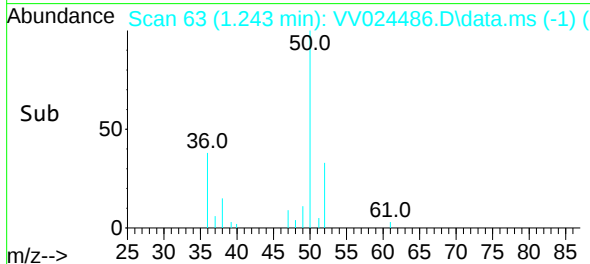
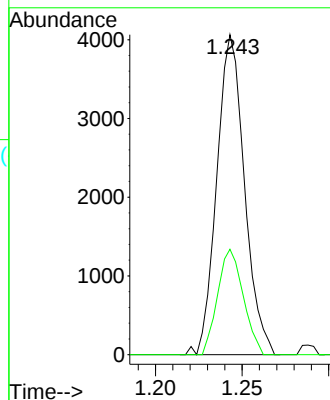
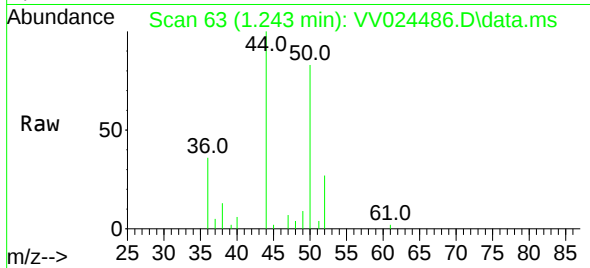




#3
Chloromethane
Concen: 0.317 ug/L
RT: 1.243 min Scan# 61
Delta R.T. 0.006 min
Lab File: VV024486.D
Acq: 28 Jan 2022 14:53

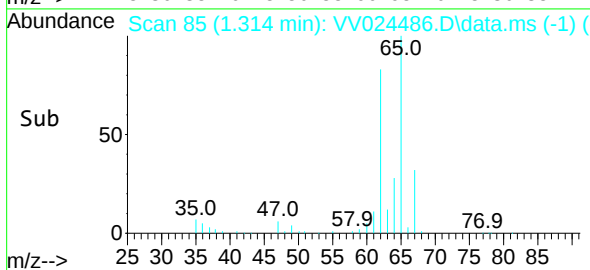
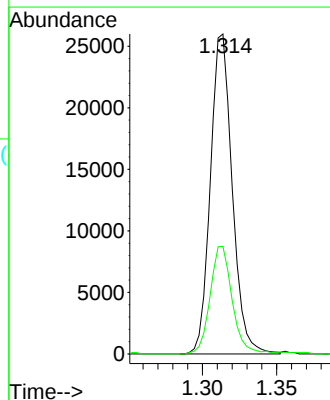
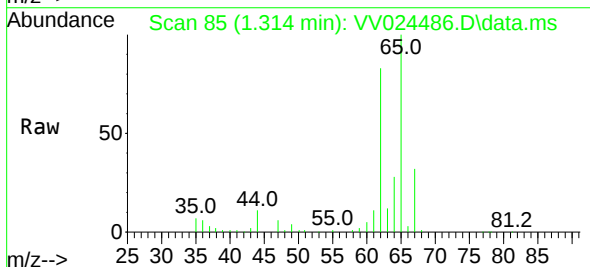
Instrument :
MSVOA_V
ClientSampleId :
COHM1

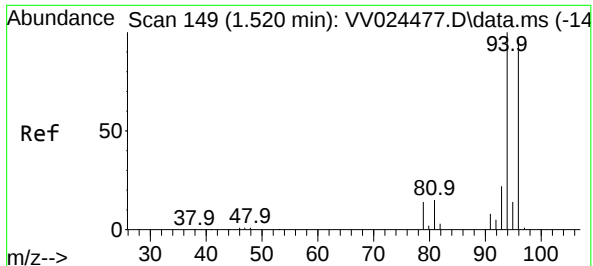
Tgt Ion: 50 Resp: 4521
Ion Ratio Lower Upper
50 100
52 33.0 22.0 41.0



#5
Vinyl chloride
Concen: 1.858 ug/L
RT: 1.314 min Scan# 85
Delta R.T. 0.006 min
Lab File: VV024486.D
Acq: 28 Jan 2022 14:53

Tgt Ion: 62 Resp: 26601
Ion Ratio Lower Upper
62 100
64 33.7 22.4 41.6

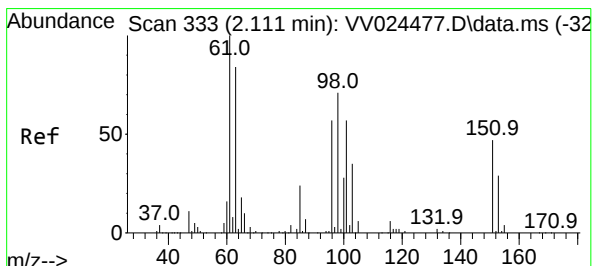
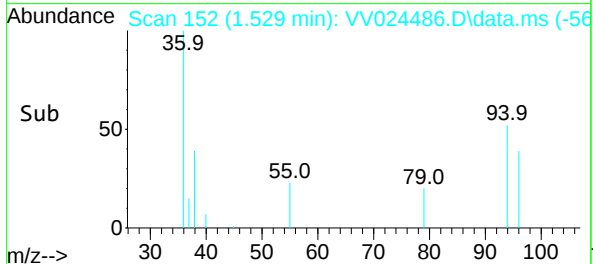
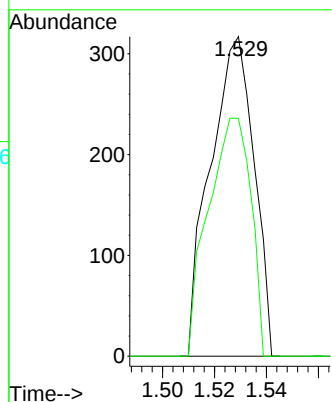
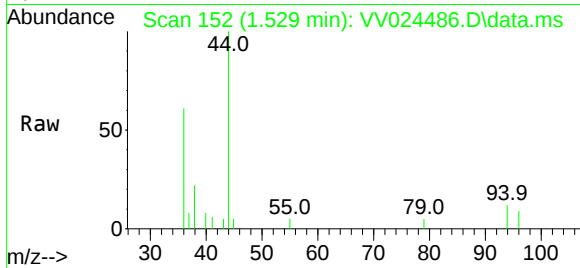




#6
Bromomethane
Concen: 0.041 ug/L
RT: 1.529 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV024486.D
Acq: 28 Jan 2022 14:53

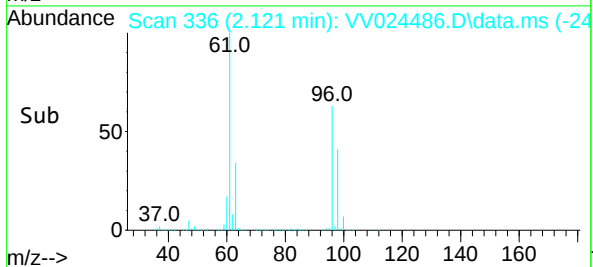
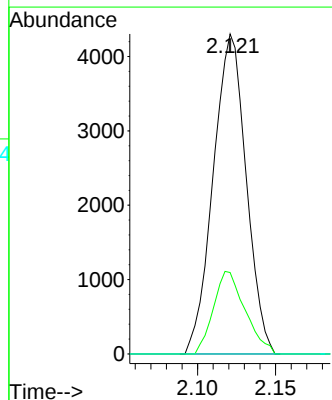
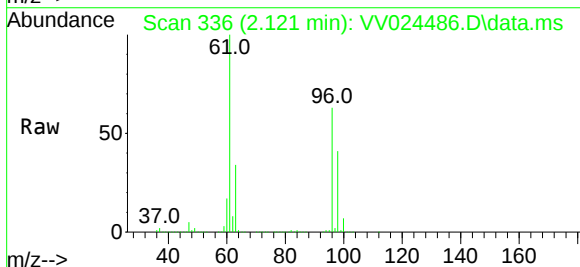
Instrument :
MSVOA_V
ClientSampleId :
COHM1

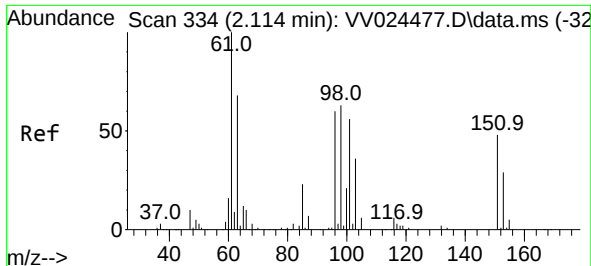
Tgt Ion: 94 Resp: 371
Ion Ratio Lower Upper
94 100
96 74.4 66.2 123.0



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.573 ug/L
RT: 2.121 min Scan# 336
Delta R.T. 0.010 min
Lab File: VV024486.D
Acq: 28 Jan 2022 14:53

Tgt Ion: 101 Resp: 6325
Ion Ratio Lower Upper
101 100
85 24.8 36.0 54.0#
151 0.0 66.4 99.6#





#12

1,1-Dichloroethene

Concen: 248.286 ug/L

RT: 2.121 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV024486.D

Acq: 28 Jan 2022 14:53

Instrument :

MSVOA_V

ClientSampleId :

COHM1

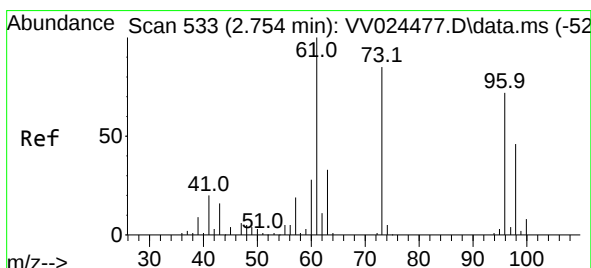
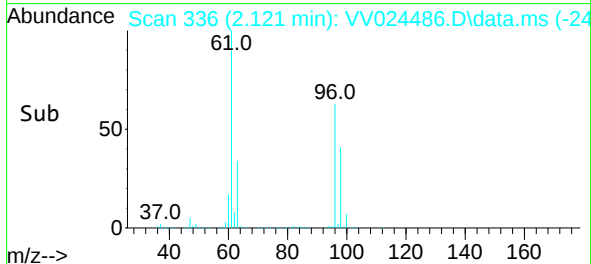
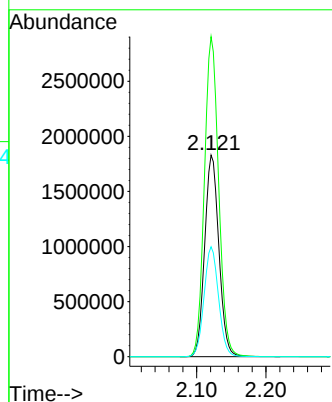
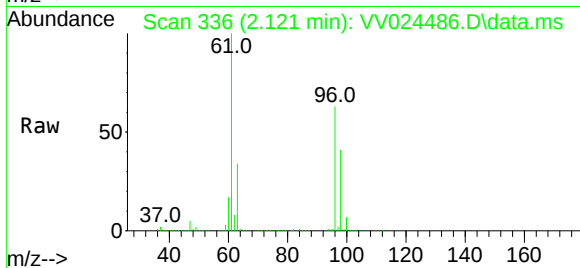
Tgt Ion: 96 Resp: 2598097

Ion Ratio Lower Upper

96 100

61 158.7 116.1 215.5

63 54.5 79.4 147.4#



#18

trans-1,2-Dichloroethene

Concen: 2.875 ug/L

RT: 2.764 min Scan# 536

Delta R.T. 0.010 min

Lab File: VV024486.D

Acq: 28 Jan 2022 14:53

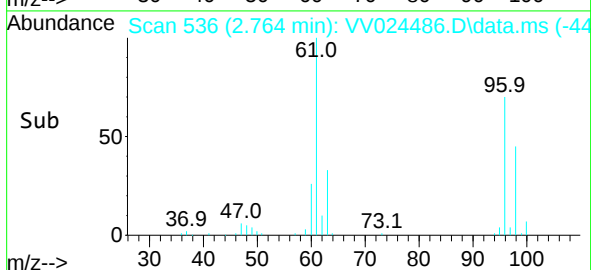
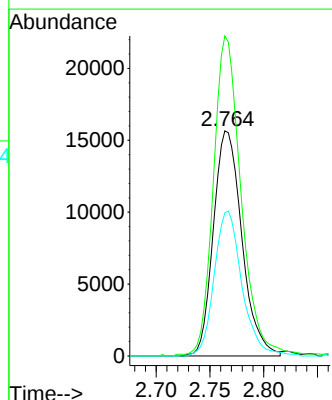
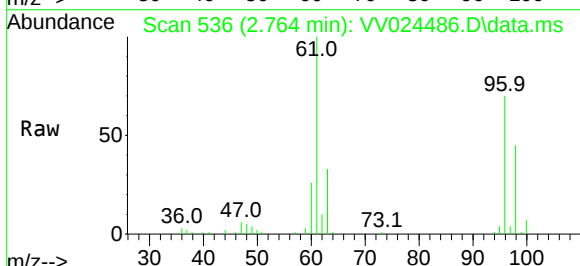
Tgt Ion: 96 Resp: 28869

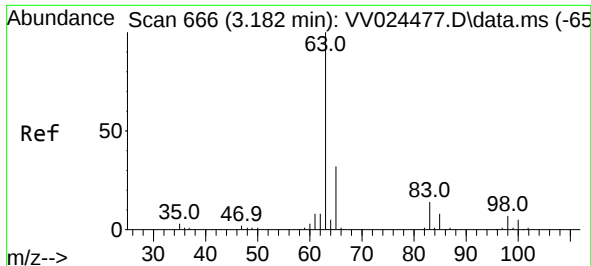
Ion Ratio Lower Upper

96 100

61 142.1 88.2 163.8

98 63.6 44.9 83.5





#19

1,1-Dichloroethane

Concen: 11.671 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.010 min

Lab File: VV024486.D

Acq: 28 Jan 2022 14:53

Instrument :

MSVOA_V

ClientSampleId :

COHM1

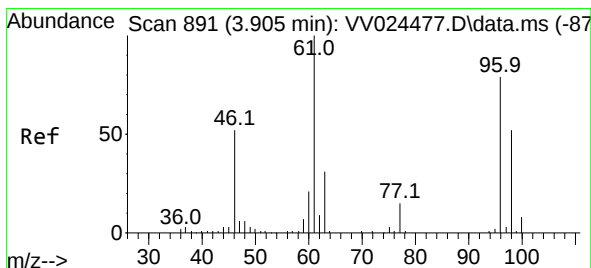
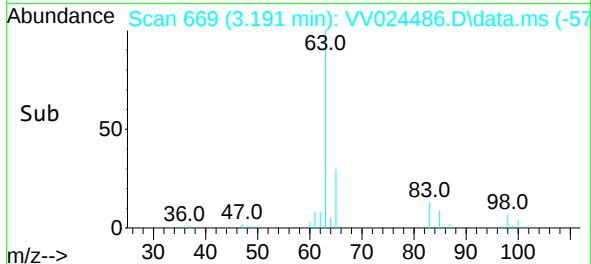
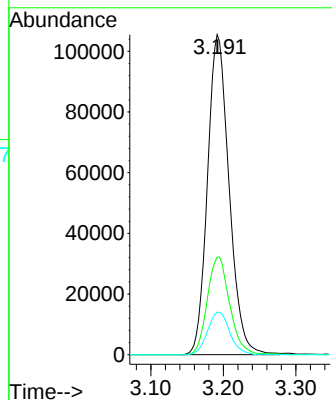
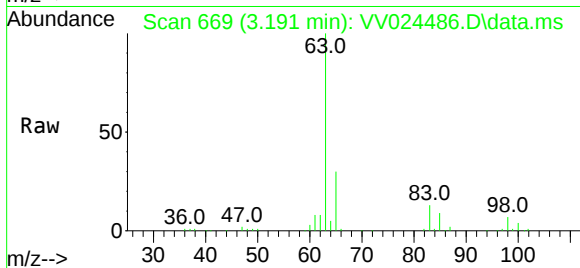
Tgt Ion: 63 Resp: 218477

Ion Ratio Lower Upper

63 100

65 30.5 22.3 41.3

83 13.3 10.7 19.9



#22

cis-1,2-Dichloroethene

Concen: 457.085 ug/L

RT: 3.909 min Scan# 892

Delta R.T. 0.003 min

Lab File: VV024486.D

Acq: 28 Jan 2022 14:53

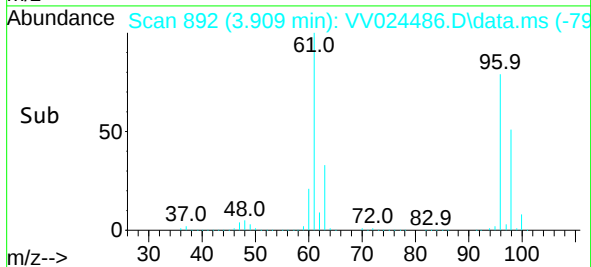
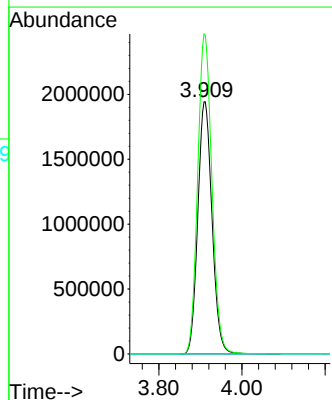
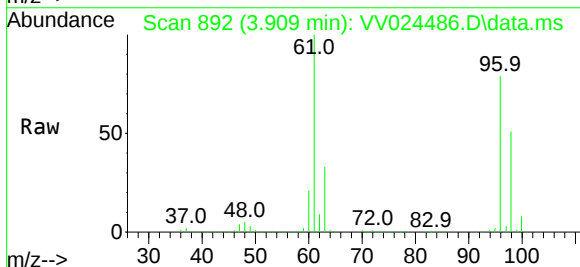
Tgt Ion: 96 Resp: 4609719

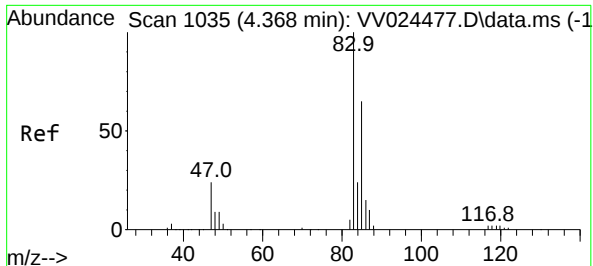
Ion Ratio Lower Upper

96 100

61 126.9 83.4 154.8

68 0.0 0.0 0.0





#25

Chloroform

Concen: 1.592 ug/L

RT: 4.378 min Scan# 1035

Delta R.T. 0.010 min

Lab File: VV024486.D

Acq: 28 Jan 2022 14:53

Instrument :

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ClientSampleId :

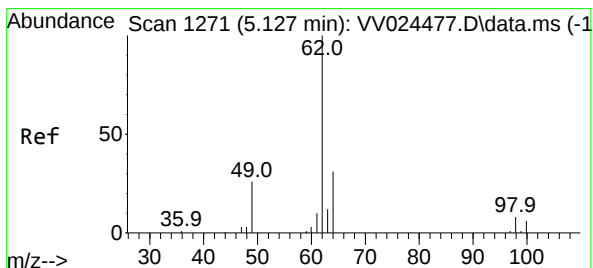
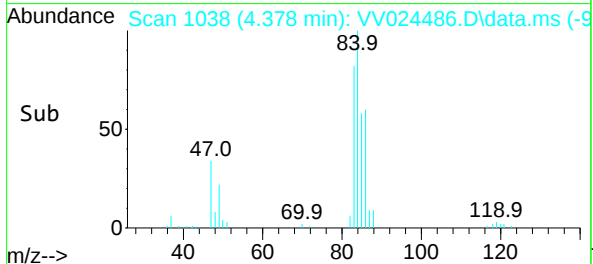
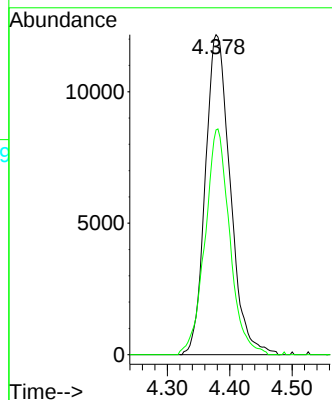
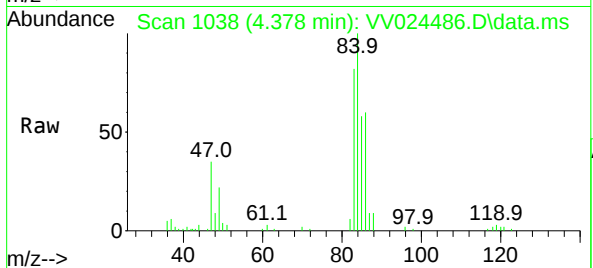
COHM1

Tgt Ion: 83 Resp: 33839

Ion Ratio Lower Upper

83 100

85 70.3 45.2 84.0



#27

1,2-Dichloroethane

Concen: 0.452 ug/L

RT: 5.150 min Scan# 1278

Delta R.T. 0.022 min

Lab File: VV024486.D

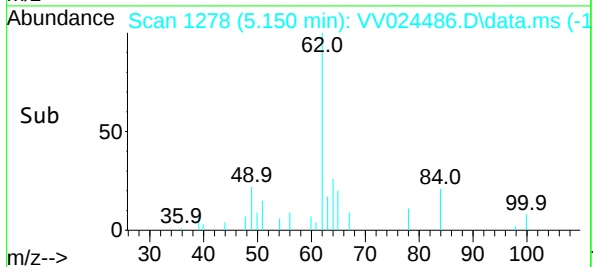
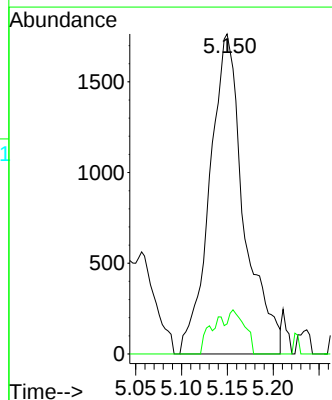
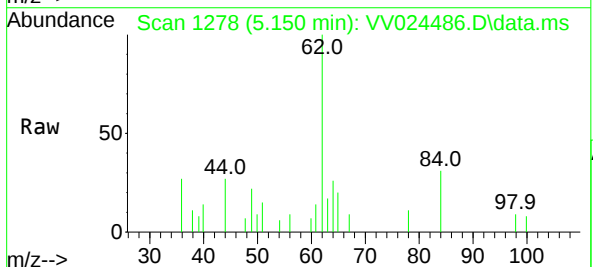
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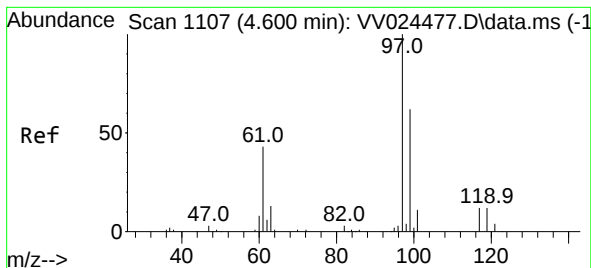
Tgt Ion: 62 Resp: 4578

Ion Ratio Lower Upper

62 100

98 9.4 8.1 12.1





#29

1,1,1-Trichloroethane

Concen: 115.186 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.010 min

Lab File: VV024486.D

Acq: 28 Jan 2022 14:53

Instrument :

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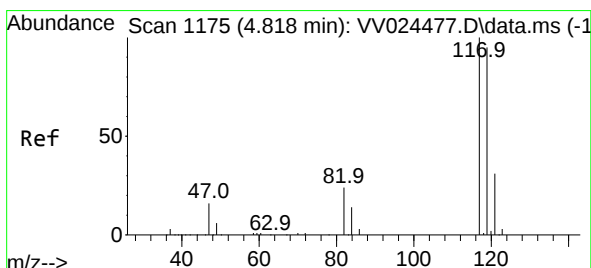
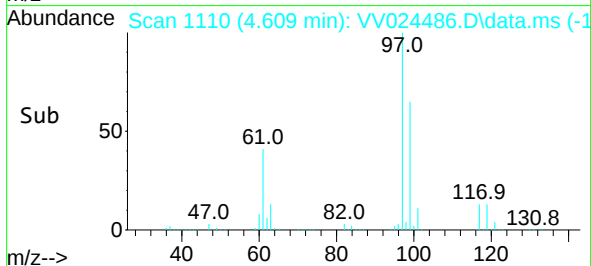
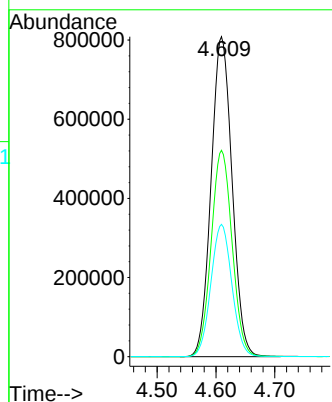
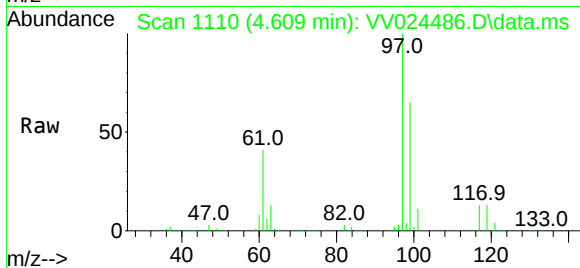
Tgt Ion: 97 Resp: 2002539

Ion Ratio Lower Upper

97 100

99 64.6 51.9 77.9

61 41.4 33.2 49.8



#31

Carbon tetrachloride

Concen: 16.638 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. -0.209 min

Lab File: VV024486.D

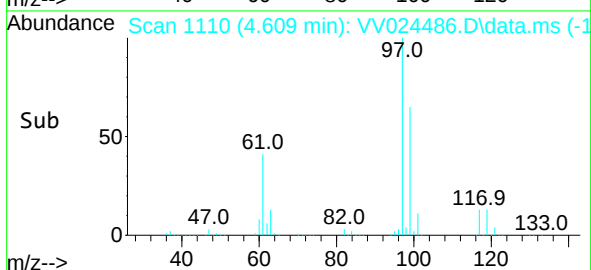
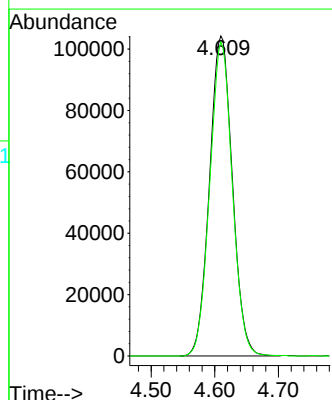
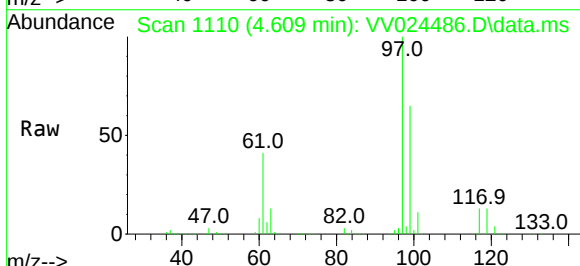
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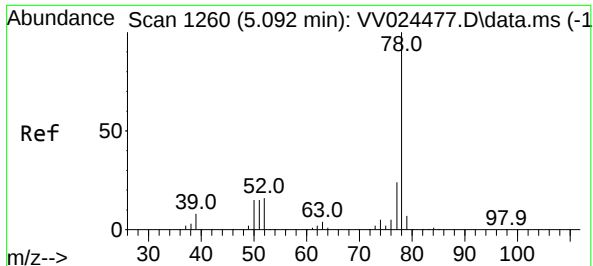
Tgt Ion: 117 Resp: 260278

Ion Ratio Lower Upper

117 100

119 96.4 76.6 114.8

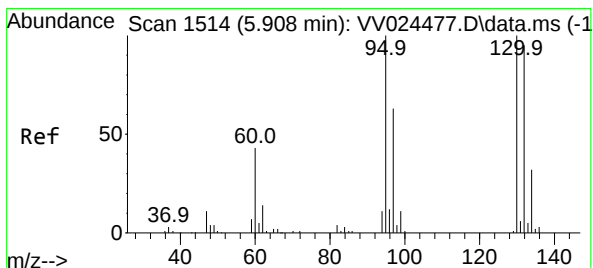
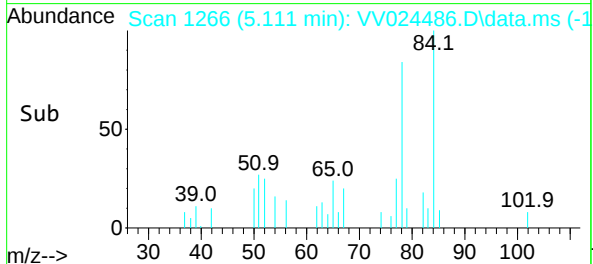
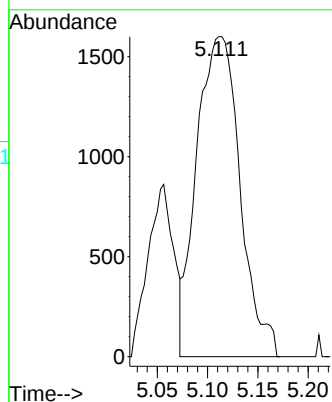
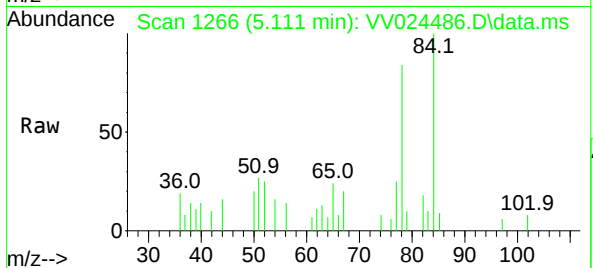




#33
Benzene
Concen: 0.120 ug/L
RT: 5.111 min Scan# 11
Delta R.T. 0.019 min
Lab File: VV024486.D
Acq: 28 Jan 2022 14:53

Instrument :
MSVOA_V
ClientSampleId :
COHM1

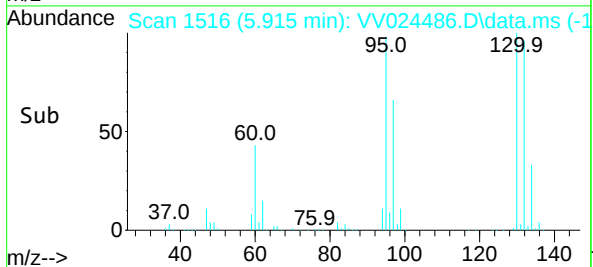
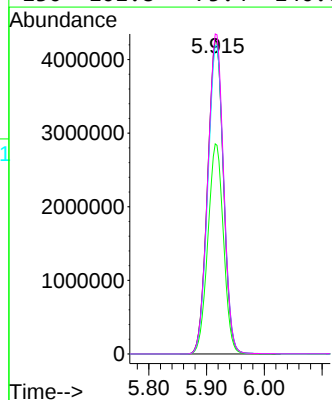
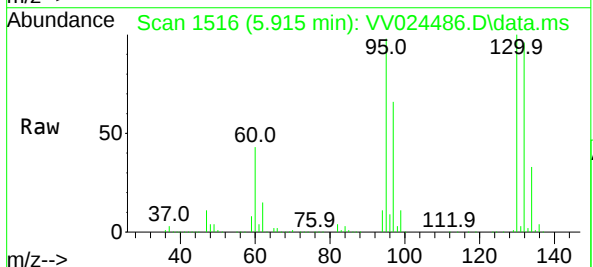
Tgt Ion: 78 Resp: 4806

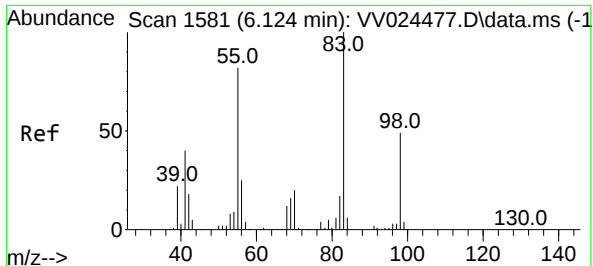


#34
Trichloroethene
Concen: 717.033 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VV024486.D
Acq: 28 Jan 2022 14:53

Tgt Ion: 95 Resp: 8130830

Ion	Ratio	Lower	Upper
95	100		
97	66.9	45.2	84.0
132	98.1	76.1	141.3
130	101.8	75.4	140.0





#35

Methylcyclohexane

Concen: 0.972 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.051 min

Lab File: VV024486.D

Acq: 28 Jan 2022 14:53

Instrument :

MSVOA_V

ClientSampleId :

COHM1

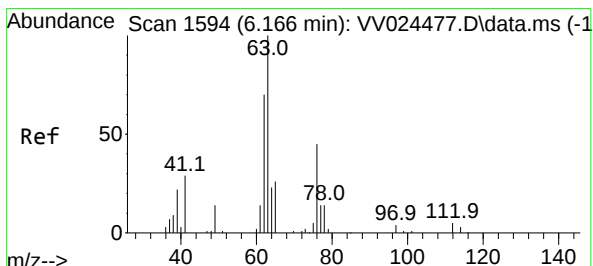
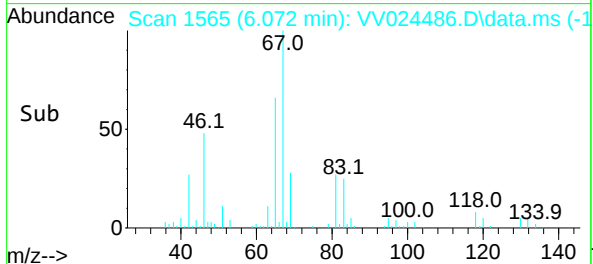
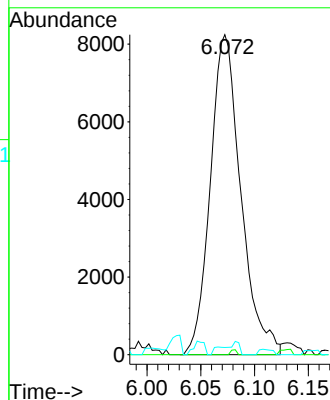
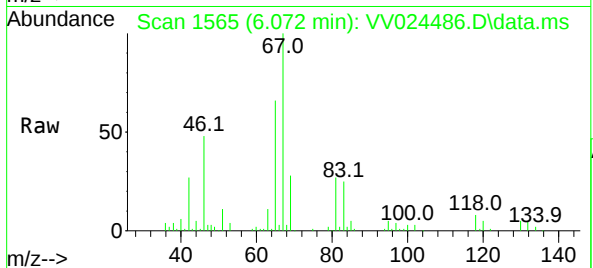
Tgt Ion: 83 Resp: 16265

Ion Ratio Lower Upper

83 100

55 0.3 60.2 90.2#

98 0.0 41.0 61.4#



#37

1,2-Dichloropropane

Concen: 0.785 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.093 min

Lab File: VV024486.D

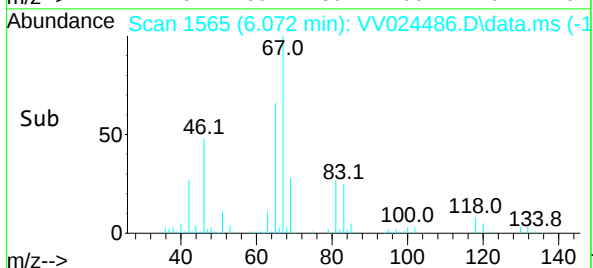
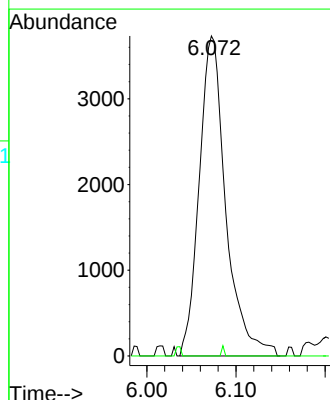
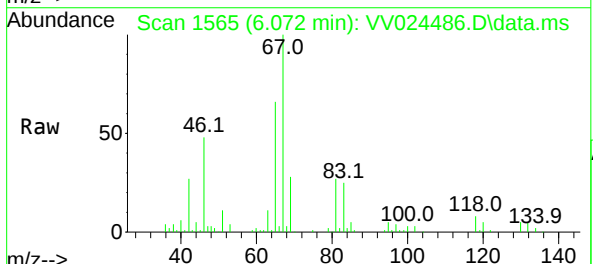
Acq: 28 Jan 2022 14:53

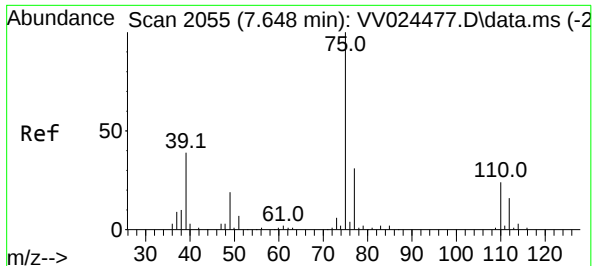
Tgt Ion: 63 Resp: 7741

Ion Ratio Lower Upper

63 100

112 0.3 4.3 6.5#

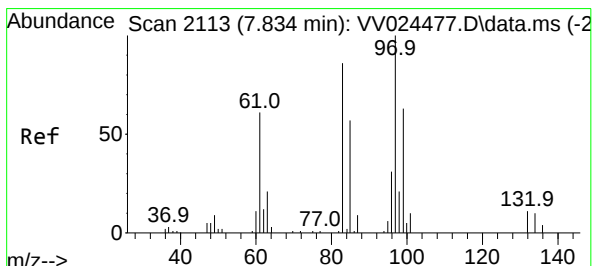
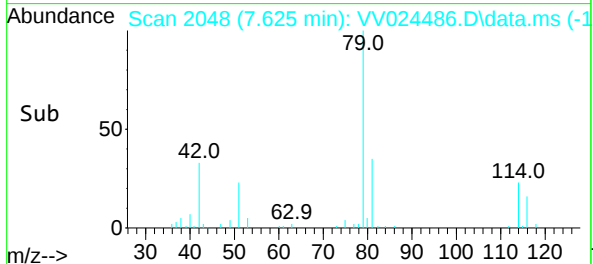
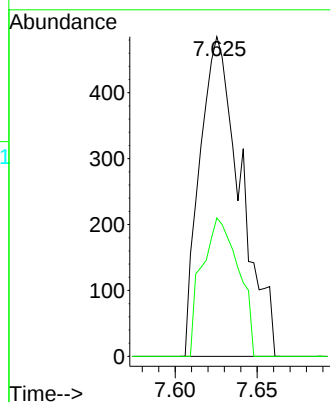
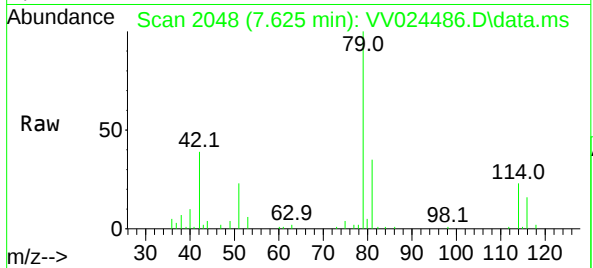




#44
trans-1,3-Dichloropropene
Concen: 0.076 ug/L
RT: 7.625 min Scan# 2055
Delta R.T. -0.023 min
Lab File: VV024486.D
Acq: 28 Jan 2022 14:53

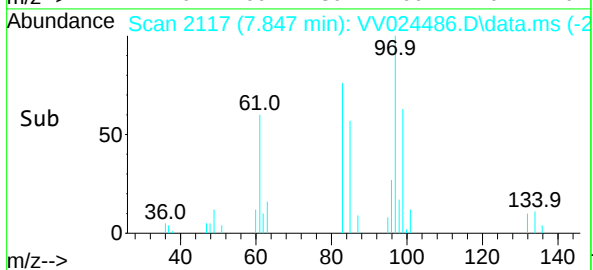
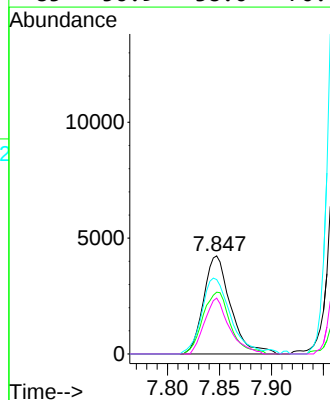
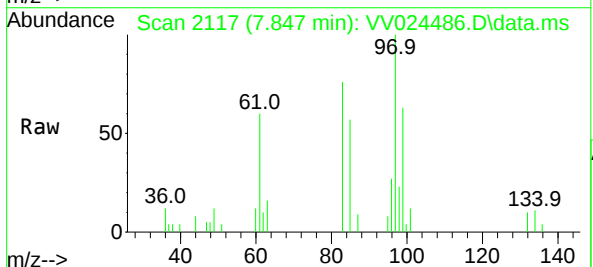
Instrument :
MSVOA_V
ClientSampleId :
COHM1

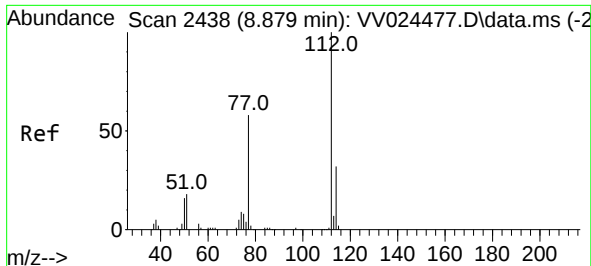
Tgt Ion: 75 Resp: 837
Ion Ratio Lower Upper
75 100
77 43.3 21.8 40.4#



#45
1,1,2-Trichloroethane
Concen: 1.150 ug/L
RT: 7.847 min Scan# 2117
Delta R.T. 0.013 min
Lab File: VV024486.D
Acq: 28 Jan 2022 14:53

Tgt Ion: 97 Resp: 7662
Ion Ratio Lower Upper
97 100
99 62.9 43.1 80.1
83 75.9 57.9 107.5
85 56.9 38.0 70.6

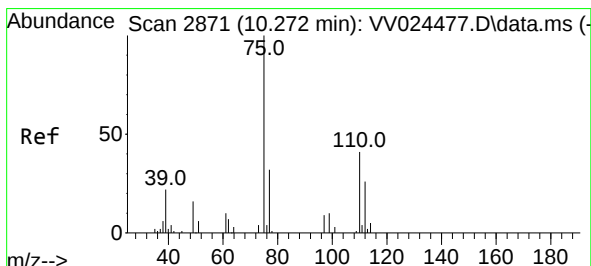
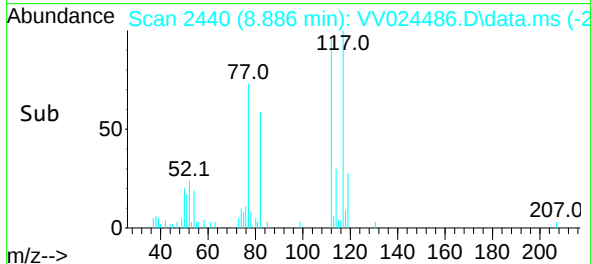
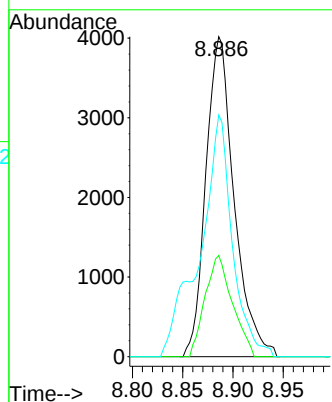
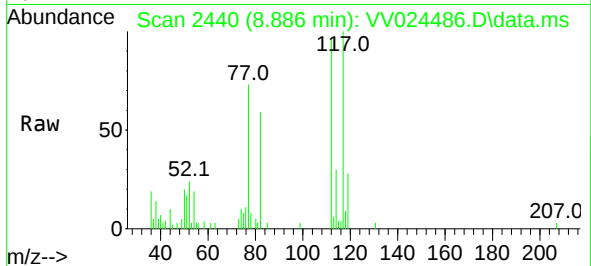




#51
Chlorobenzene
Concen: 0.286 ug/L
RT: 8.886 min Scan# 2438
Delta R.T. 0.006 min
Lab File: VV024486.D
Acq: 28 Jan 2022 14:53

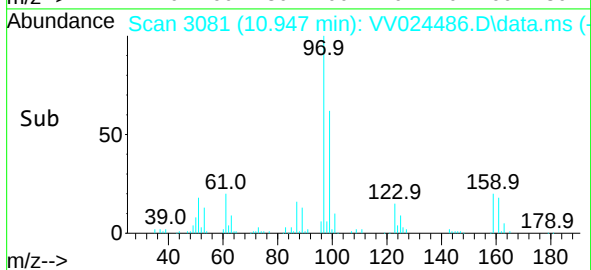
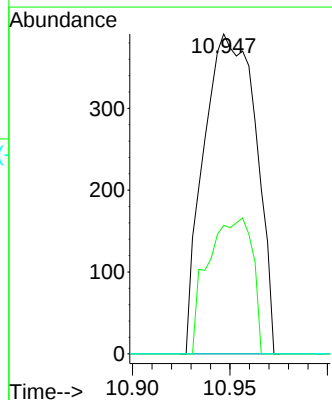
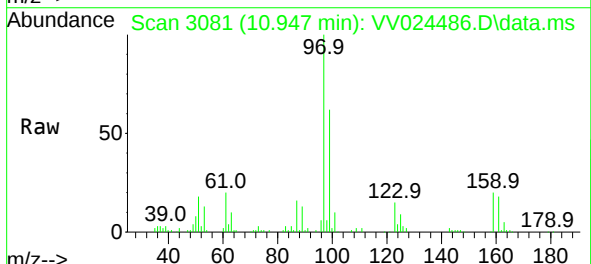
Instrument :
MSVOA_V
ClientSampleId :
COHM1

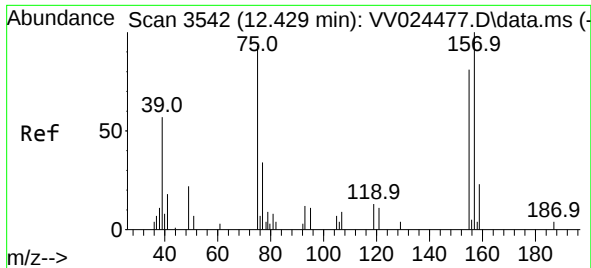
Tgt Ion:112 Resp: 7852
Ion Ratio Lower Upper
112 100
114 31.6 23.3 43.3
77 75.5 43.3 64.9#



#61
1,2,3-Trichloropropane
Concen: 0.153 ug/L
RT: 10.947 min Scan# 3081
Delta R.T. 0.675 min
Lab File: VV024486.D
Acq: 28 Jan 2022 14:53

Tgt Ion: 75 Resp: 727
Ion Ratio Lower Upper
75 100
77 36.2 26.4 39.6
110 0.0 34.2 51.2#





#68

1,2-Dibromo-3-chloropropane

Concen: 0.125 ug/L

RT: 12.455 min Scan# 31

Delta R.T. 0.026 min

Lab File: VV024486.D

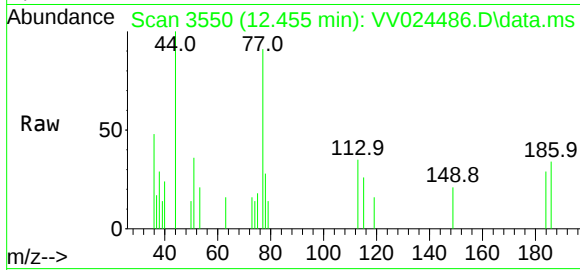
Acq: 28 Jan 2022 14:53

Instrument :

MSVOA_V

ClientSampleId :

C0HM1



Tgt Ion: 75 Resp: 116

Ion Ratio Lower Upper

75 100

155 0.0 71.7 107.5#

157 0.0 103.3 154.9#

