

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062322\
 Data File : VW026551.D
 Acq On : 24 Jun 2022 13:29
 Operator : SY/MD
 Sample : N3425-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COAH5

Quant Time: Jun 25 02:34:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 25 02:21:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	249719	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	224819	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	96991	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.320	65	80638	4.015	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.400%
7) Chloroethane-d5	1.581	69	70048	4.342	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.800%
11) 1,1-Dichloroethene-d2	2.121	63	109471	3.068	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.400%
20) 2-Butanone-d5	3.905	46	113173	56.682	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.360%
24) Chloroform-d	4.362	84	146800	4.472	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.400%
26) 1,2-Dichloroethane-d4	5.040	65	57548	4.551	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.000%
32) Benzene-d6	5.060	84	293885	4.551	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
36) 1,2-Dichloropropane-d6	6.076	67	85182	4.797	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.000%
41) Toluene-d8	7.320	98	245477	4.227	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.600%
43) trans-1,3-Dichloroprop...	7.629	79	21312	4.643	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.800%
46) 2-Hexanone-d5	8.092	63	83857	47.964	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.920%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	53165	4.577	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	77009	4.798	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.256	50	2088	0.100	ug/L	93
6) Bromomethane	1.536	94	800	0.067	ug/L	97
8) Chloroethane	1.446	64	341061	22.648	ug/L #	55
13) Acetone	2.198	43	8577	6.771	ug/L	90
14) Carbon disulfide	2.307	76	4966	0.112	ug/L	95
17) Methyl tert-butyl Ether	2.786	73	4034	0.147	ug/L #	67
21) 2-Butanone	4.082	43	191938	100.727	ug/L #	48
22) cis-1,2-Dichloroethene	3.928	96	6403	0.375	ug/L	99
23) Bromochloromethane	4.265	128	2460	0.350	ug/L	90
25) Chloroform	4.388	83	92119	2.787	ug/L	94
27) 1,2-Dichloroethane	5.063	62	1457	0.099	ug/L #	72
33) Benzene	5.114	78	3893	0.059	ug/L	100
34) Trichloroethene	5.925	95	8376	0.485	ug/L	96
35) Methylcyclohexane	6.076	83	19934	0.781	ug/L #	20
37) 1,2-Dichloropropane	6.076	63	8949	0.566	ug/L #	84
38) Bromodichloromethane	6.516	83	91820	4.916	ug/L	99
39) cis-1,3-Dichloropropene	6.992	75	1650	0.104	ug/L	83
42) Toluene	7.394	91	44196	0.652	ug/L	97
45) 1,1,2-Trichloroethane	7.976	97	757	0.076	ug/L #	1

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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 25 02:21:54 2022
 Response via : Initial Calibration

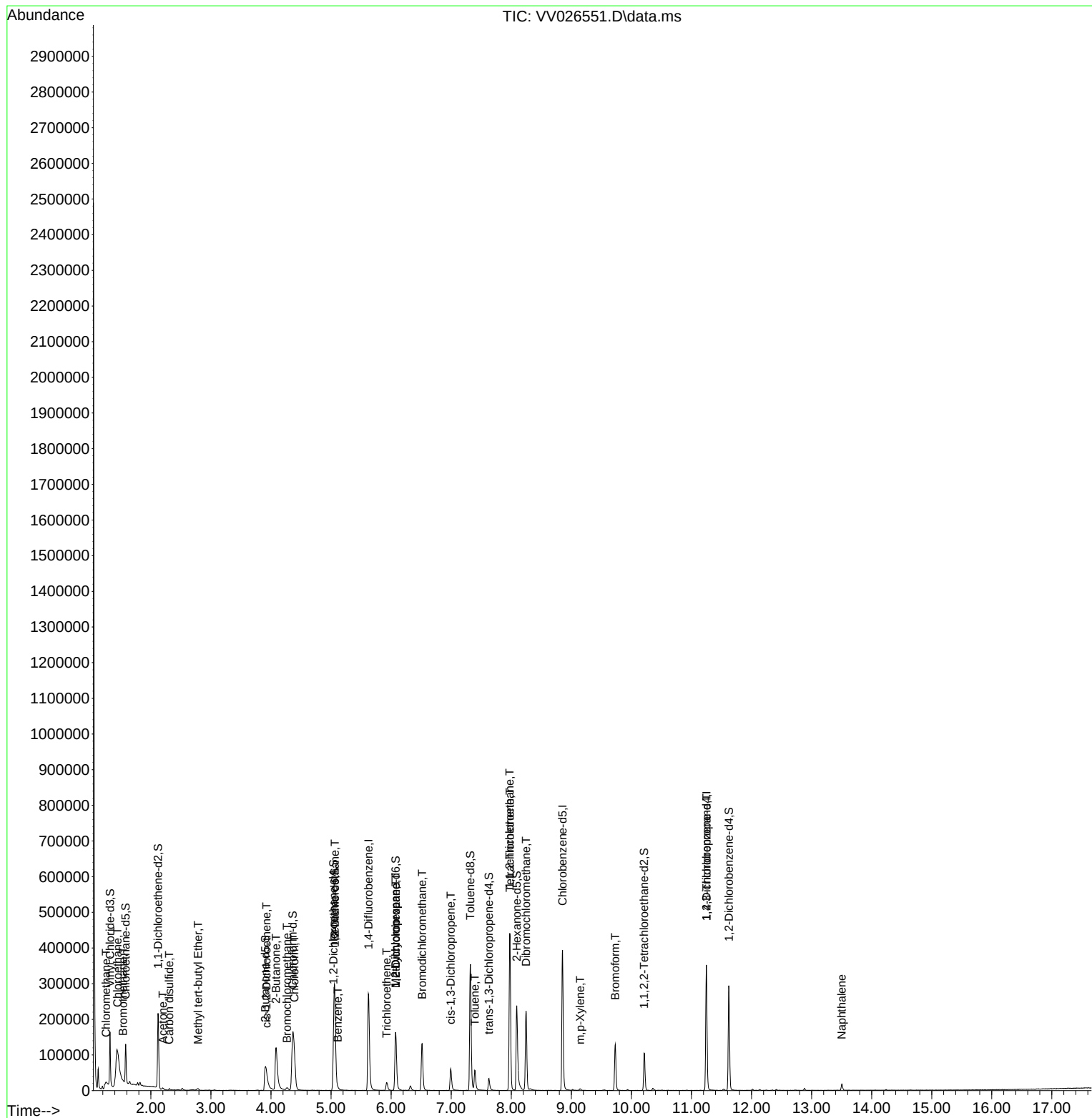
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	7.979	164	100465	7.312	ug/L	98
49) Dibromochloromethane	8.246	129	117140	11.595	ug/L	98
53) m,p-Xylene	9.146	106	1592	0.058	ug/L	77
59) Bromoform	9.731	173	58033	16.237	ug/L	98
61) 1,2,3-Trichloropropane	11.249	75	11118	1.770	ug/L #	63
71) Naphthalene	13.503	128	16345	0.848	ug/L	99

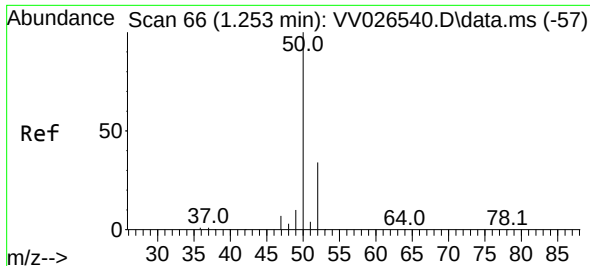
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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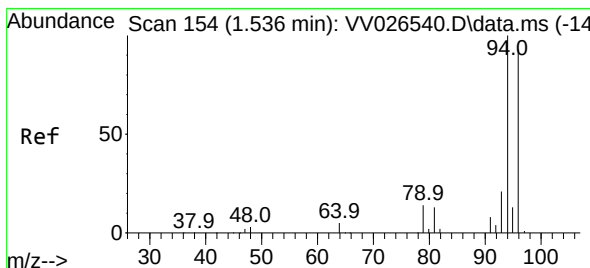
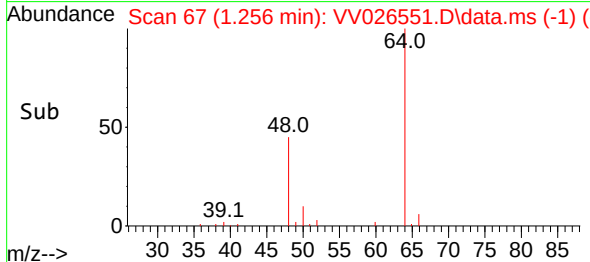
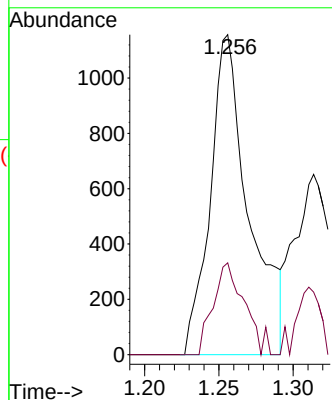
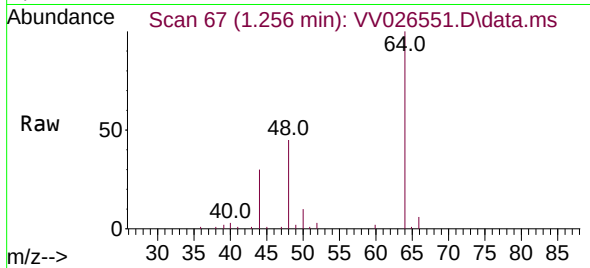




#3
Chloromethane
Concen: 0.100 ug/L
RT: 1.256 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV026551.D
Acq: 24 Jun 2022 13:29

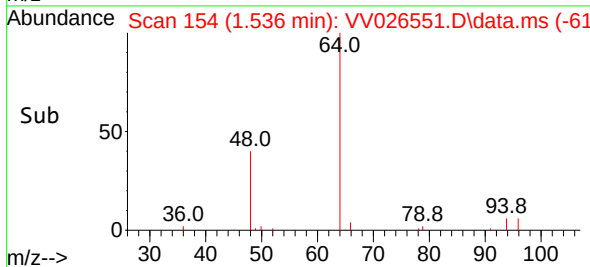
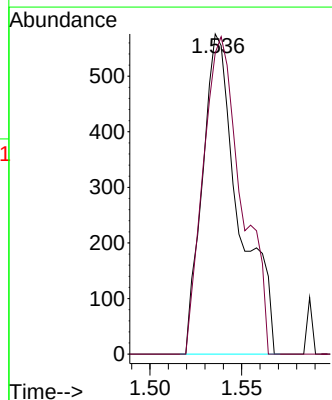
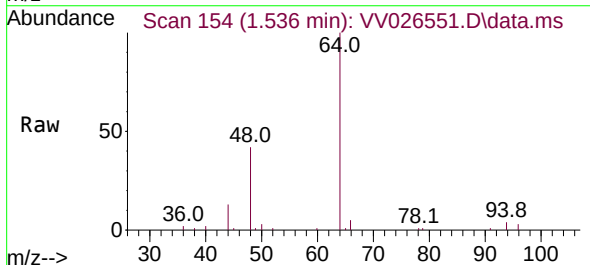
Instrument :
MSVOA_V
ClientSampleId :
C0AH5

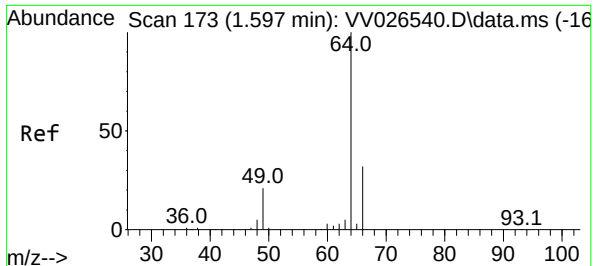
Tgt Ion: 50 Resp: 2088
Ion Ratio Lower Upper
50 100
52 28.7 23.0 42.6



#6
Bromomethane
Concen: 0.067 ug/L
RT: 1.536 min Scan# 154
Delta R.T. 0.000 min
Lab File: VV026551.D
Acq: 24 Jun 2022 13:29

Tgt Ion: 94 Resp: 800
Ion Ratio Lower Upper
94 100
96 94.1 68.0 126.2

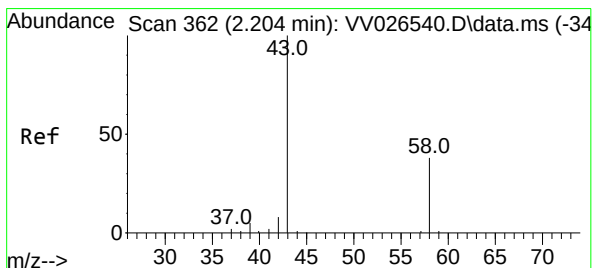
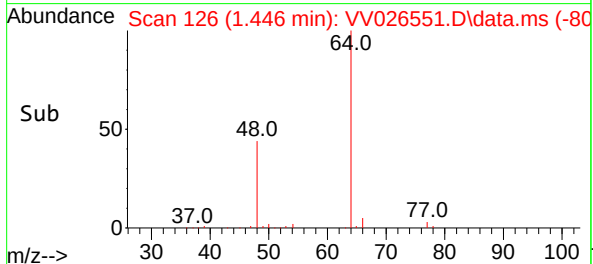
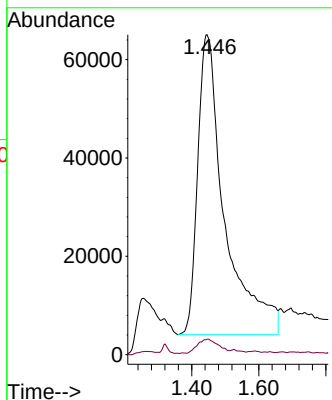
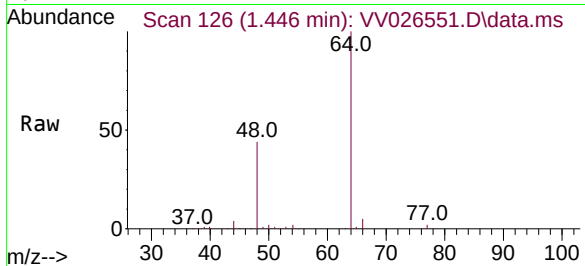




#8
Chloroethane
Concen: 22.648 ug/L
RT: 1.446 min Scan# 11
Delta R.T. -0.151 min
Lab File: VV026551.D
Acq: 24 Jun 2022 13:29

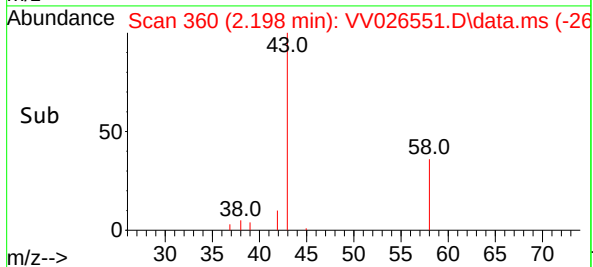
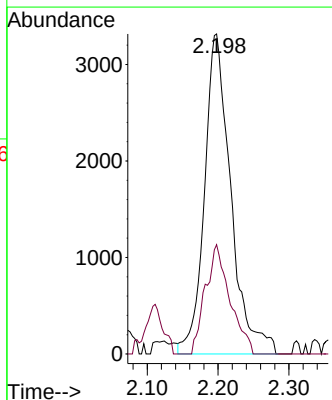
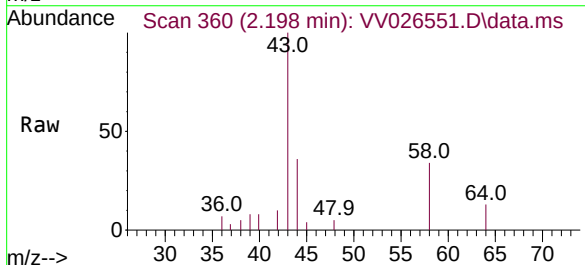
Instrument :
MSVOA_V
ClientSampleId :
C0AH5

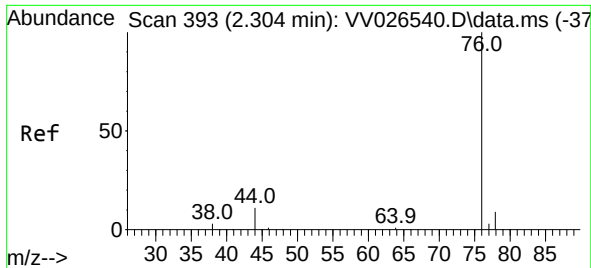
Tgt Ion: 64 Resp: 341061
Ion Ratio Lower Upper
64 100
66 4.8 20.0 37.2#



#13
Acetone
Concen: 6.771 ug/L
RT: 2.198 min Scan# 360
Delta R.T. -0.006 min
Lab File: VV026551.D
Acq: 24 Jun 2022 13:29

Tgt Ion: 43 Resp: 8577
Ion Ratio Lower Upper
43 100
58 31.8 0.0 75.0

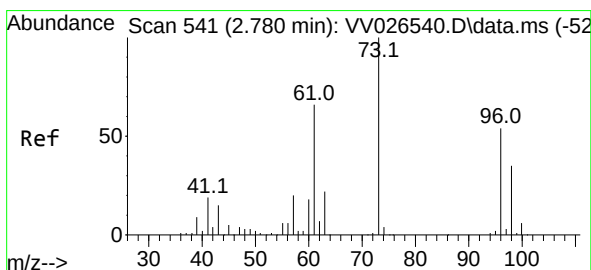
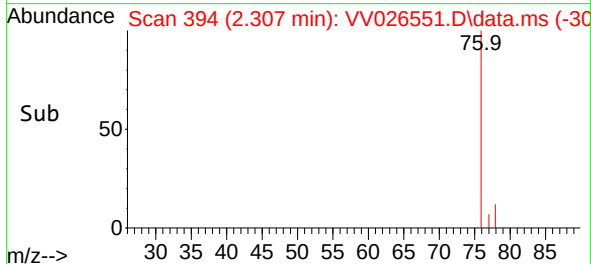
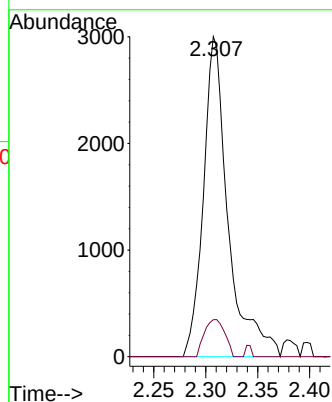
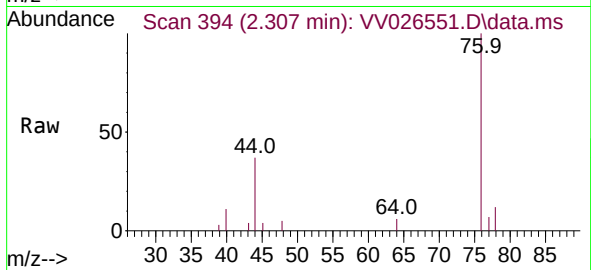




#14
Carbon disulfide
Concen: 0.112 ug/L
RT: 2.307 min Scan# 393
Delta R.T. 0.003 min
Lab File: VV026551.D
Acq: 24 Jun 2022 13:29

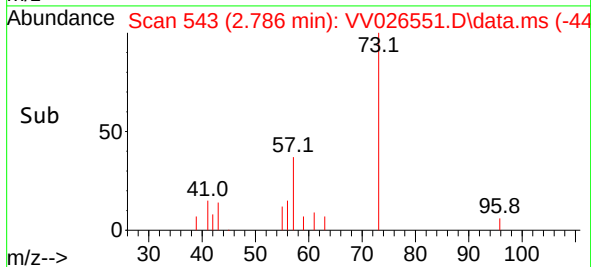
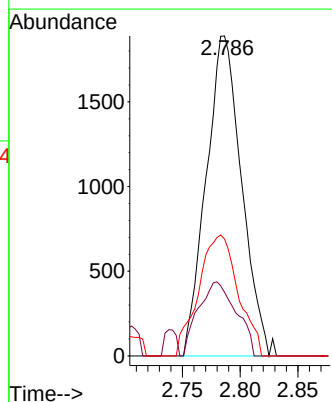
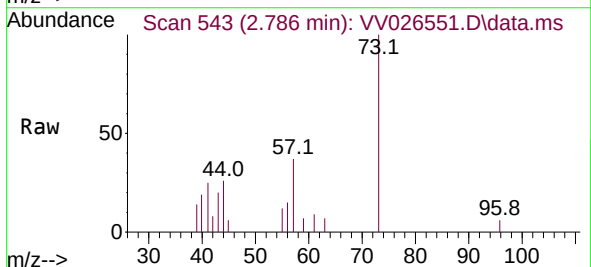
Instrument :
MSVOA_V
ClientSampleId :
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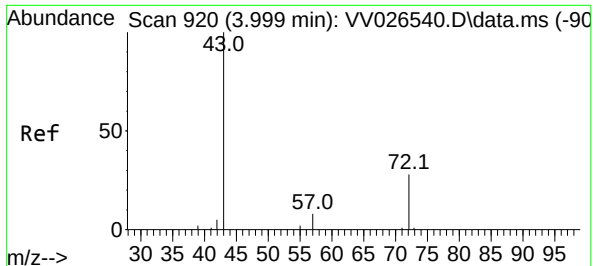
Tgt Ion: 76 Resp: 4966
Ion Ratio Lower Upper
76 100
78 11.5 7.8 11.6



#17
Methyl tert-butyl Ether
Concen: 0.147 ug/L
RT: 2.786 min Scan# 543
Delta R.T. 0.006 min
Lab File: VV026551.D
Acq: 24 Jun 2022 13:29

Tgt Ion: 73 Resp: 4034
Ion Ratio Lower Upper
73 100
43 24.8 13.3 19.9#
57 42.3 17.2 25.8#

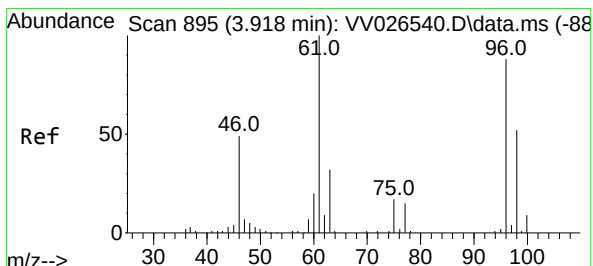
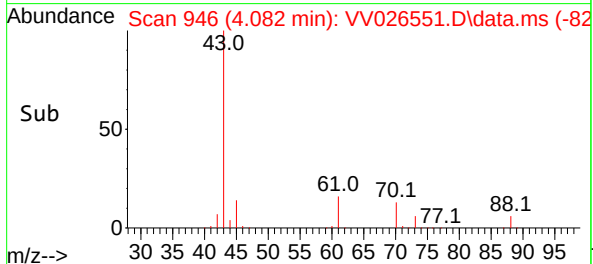
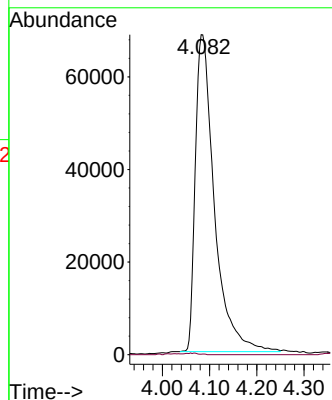
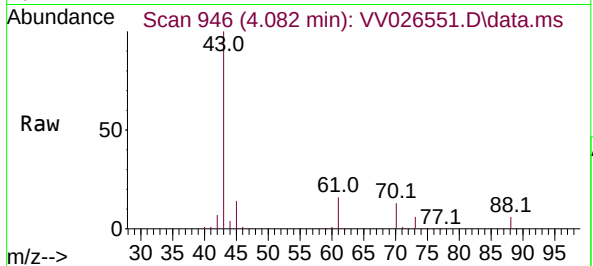




#21
2-Butanone
Concen: 100.727 ug/L
RT: 4.082 min Scan# 946
Delta R.T. 0.084 min
Lab File: VV026551.D
Acq: 24 Jun 2022 13:29

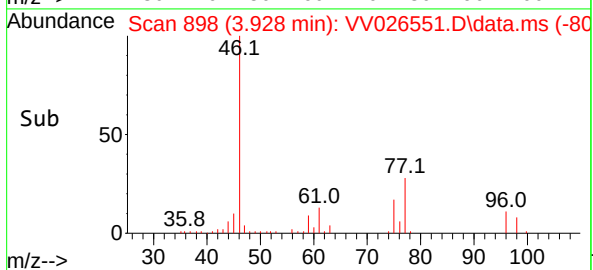
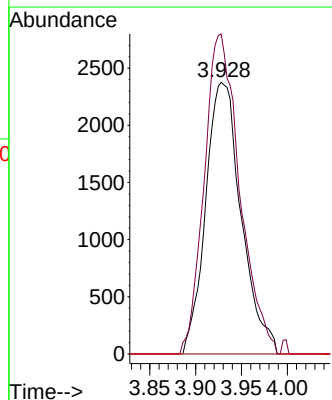
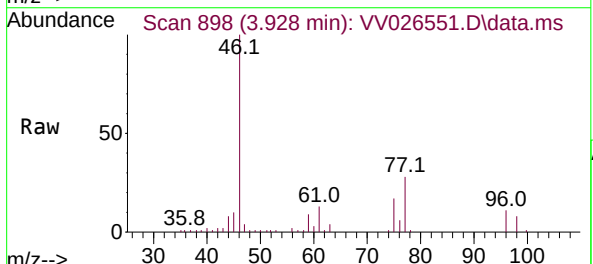
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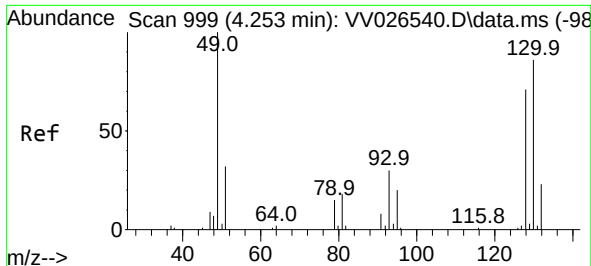
Tgt Ion: 43 Resp: 191938
Ion Ratio Lower Upper
43 100
72 0.0 13.5 40.5#



#22
cis-1,2-Dichloroethene
Concen: 0.375 ug/L
RT: 3.928 min Scan# 898
Delta R.T. 0.010 min
Lab File: VV026551.D
Acq: 24 Jun 2022 13:29

Tgt Ion: 96 Resp: 6403
Ion Ratio Lower Upper
96 100
61 117.8 82.0 152.2
68 0.0 0.0 0.0

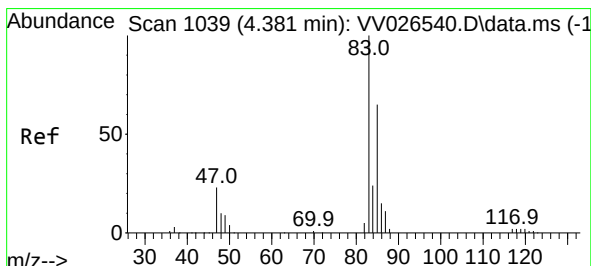
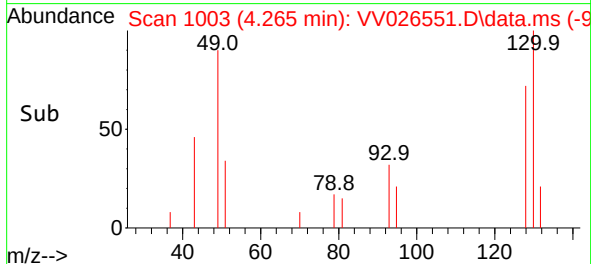
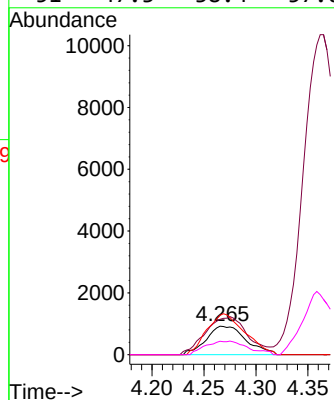
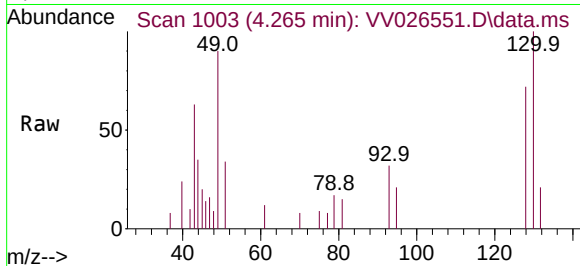




#23
Bromochloromethane
Concen: 0.350 ug/L
RT: 4.265 min Scan# 1003
Delta R.T. 0.013 min
Lab File: VV026551.D
Acq: 24 Jun 2022 13:29

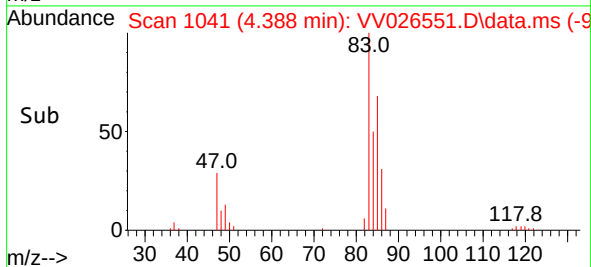
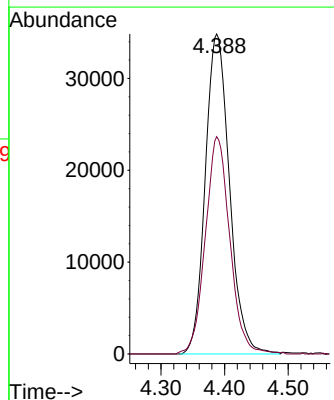
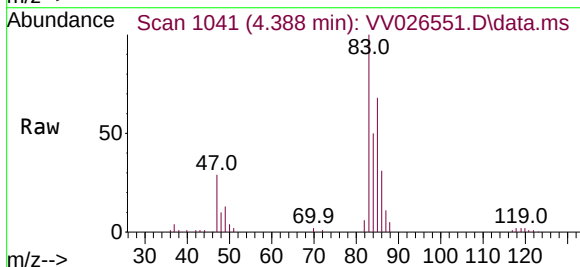
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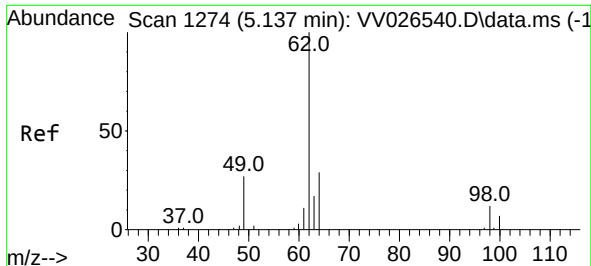
Tgt Ion:	128	Resp:	2460
Ion	Ratio	Lower	Upper
128	100		
49	124.2	104.0	193.1
130	138.1	93.4	173.6
51	47.3	38.4	57.6



#25
Chloroform
Concen: 2.787 ug/L
RT: 4.388 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VV026551.D
Acq: 24 Jun 2022 13:29

Tgt Ion:	83	Resp:	92119
Ion	Ratio	Lower	Upper
83	100		
85	67.9	44.0	81.8





#27

1,2-Dichloroethane

Concen: 0.099 ug/L

RT: 5.063 min Scan# 11

Delta R.T. -0.074 min

Lab File: VV026551.D

Acq: 24 Jun 2022 13:29

Instrument :

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ClientSampleId :

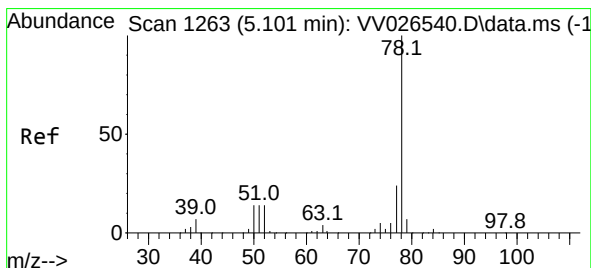
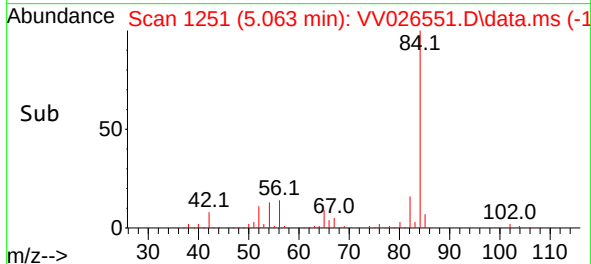
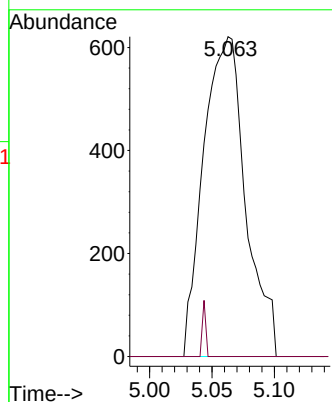
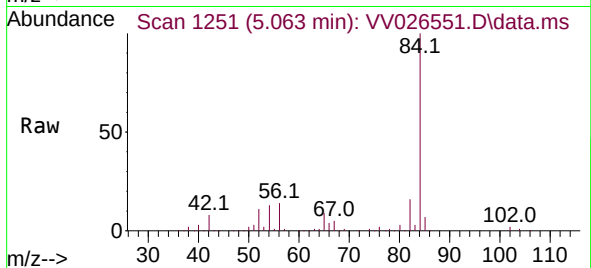
C0AH5

Tgt Ion: 62 Resp: 1457

Ion Ratio Lower Upper

62 100

98 0.0 8.4 12.6#



#33

Benzene

Concen: 0.059 ug/L

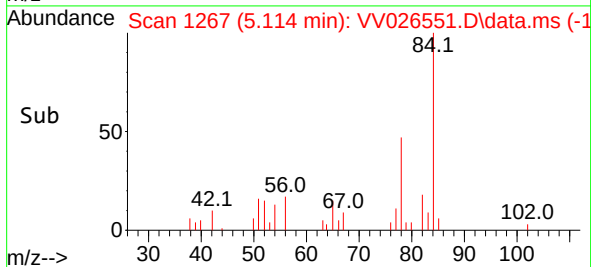
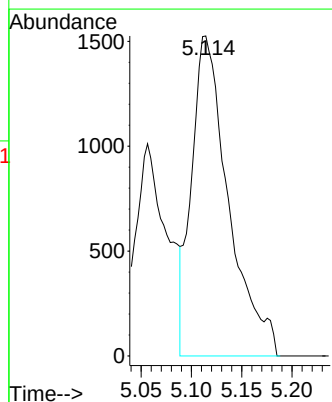
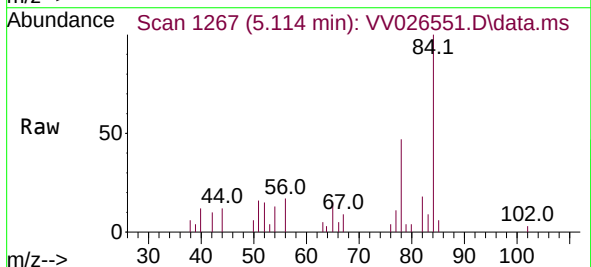
RT: 5.114 min Scan# 1267

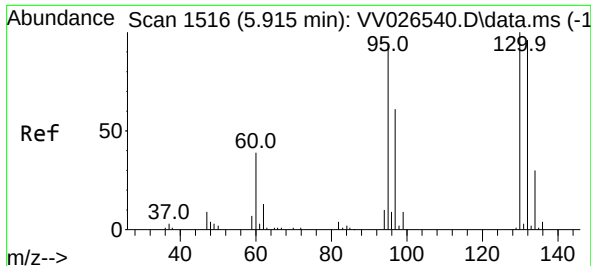
Delta R.T. 0.013 min

Lab File: VV026551.D

Acq: 24 Jun 2022 13:29

Tgt Ion: 78 Resp: 3893

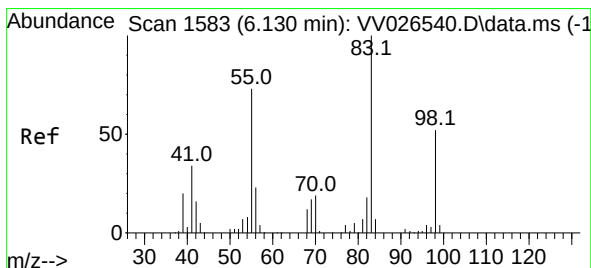
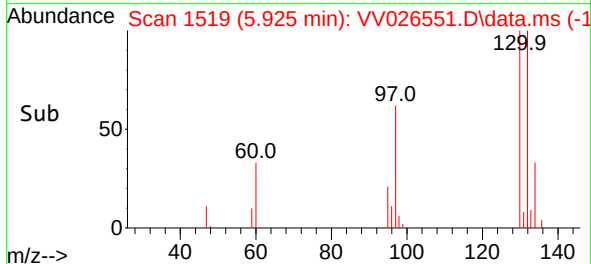
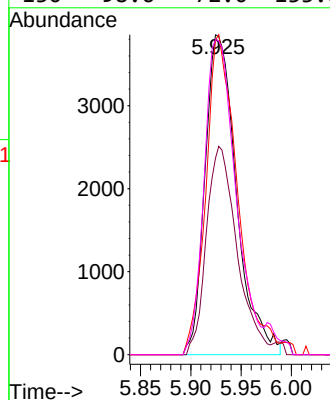
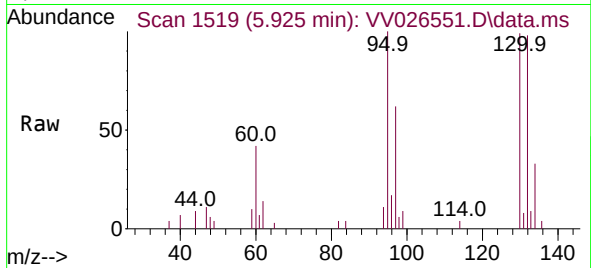




#34
Trichloroethene
Concen: 0.485 ug/L
RT: 5.925 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV026551.D
Acq: 24 Jun 2022 13:29

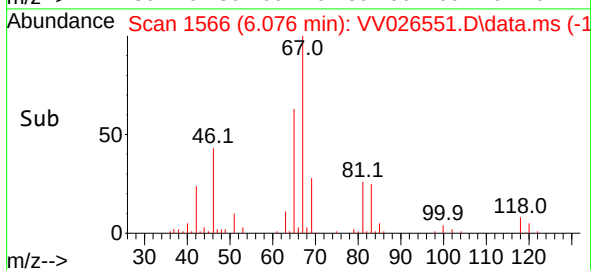
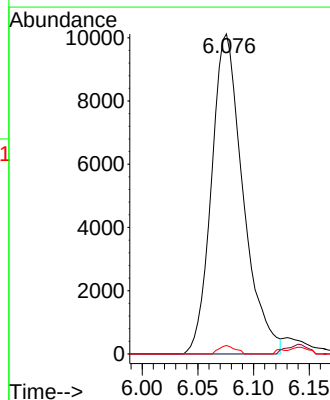
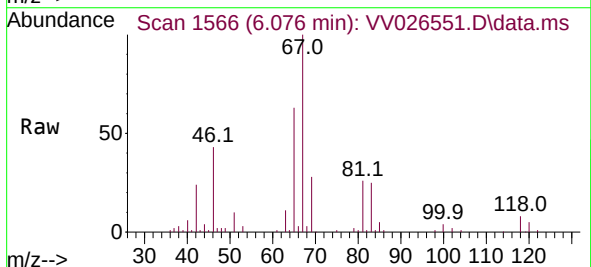
Instrument :
MSVOA_V
ClientSampleId :
C0AH5

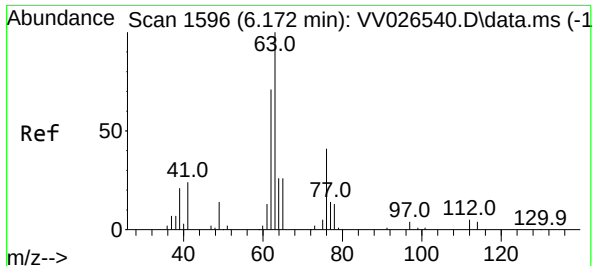
Tgt Ion: 95 Resp: 8376
Ion Ratio Lower Upper
95 100
97 61.5 46.8 87.0
132 98.4 69.9 129.7
130 98.6 72.0 133.8



#35
Methylcyclohexane
Concen: 0.781 ug/L
RT: 6.076 min Scan# 1566
Delta R.T. -0.055 min
Lab File: VV026551.D
Acq: 24 Jun 2022 13:29

Tgt Ion: 83 Resp: 19934
Ion Ratio Lower Upper
83 100
55 0.0 57.0 85.4#
98 1.4 39.8 59.8#





#37

1,2-Dichloropropane

Concen: 0.566 ug/L

RT: 6.076 min Scan# 11

Delta R.T. -0.096 min

Lab File: VV026551.D

Acq: 24 Jun 2022 13:29

Instrument :

MSVOA_V

ClientSampleId :

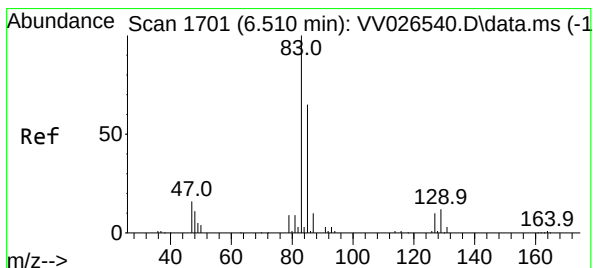
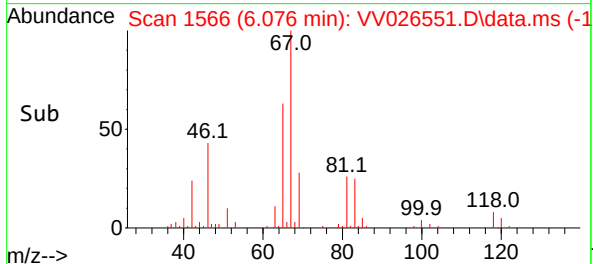
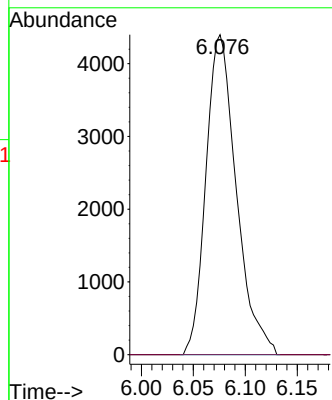
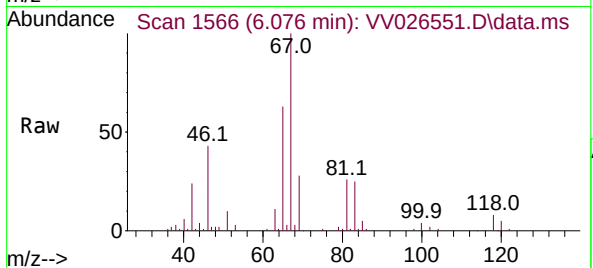
C0AH5

Tgt Ion: 63 Resp: 8949

Ion Ratio Lower Upper

63 100

112 0.0 4.2 6.4#



#38

Bromodichloromethane

Concen: 4.916 ug/L

RT: 6.516 min Scan# 1703

Delta R.T. 0.006 min

Lab File: VV026551.D

Acq: 24 Jun 2022 13:29

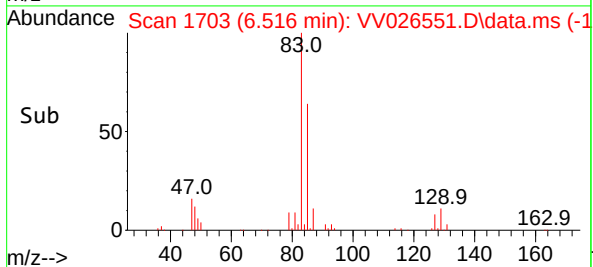
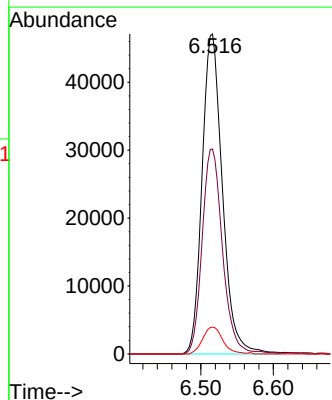
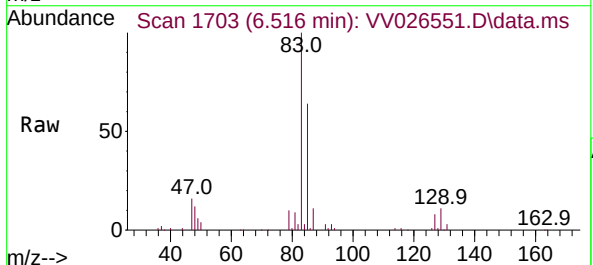
Tgt Ion: 83 Resp: 91820

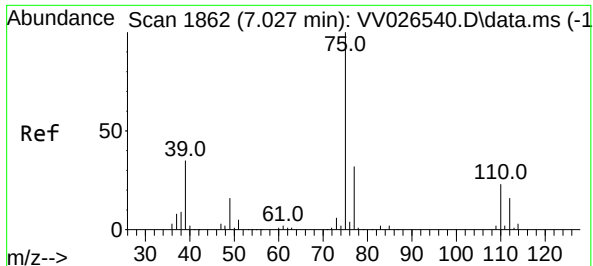
Ion Ratio Lower Upper

83 100

85 64.1 44.0 81.8

127 8.4 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 0.104 ug/L

RT: 6.992 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV026551.D

Acq: 24 Jun 2022 13:29

Instrument :

MSVOA_V

ClientSampleId :

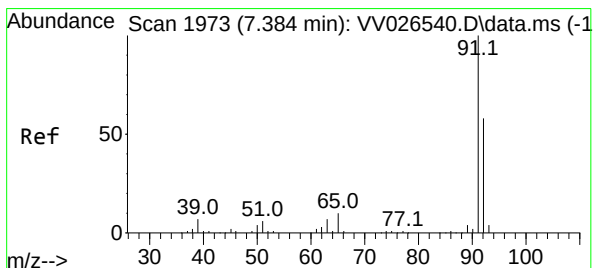
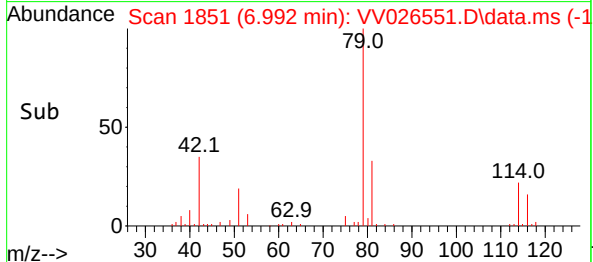
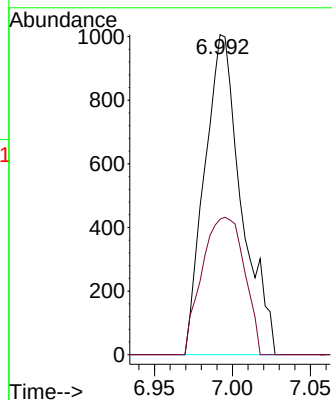
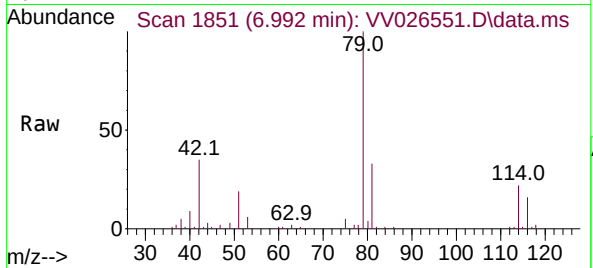
C0AH5

Tgt Ion: 75 Resp: 1650

Ion Ratio Lower Upper

75 100

77 42.3 22.8 42.4



#42

Toluene

Concen: 0.652 ug/L

RT: 7.394 min Scan# 1976

Delta R.T. 0.010 min

Lab File: VV026551.D

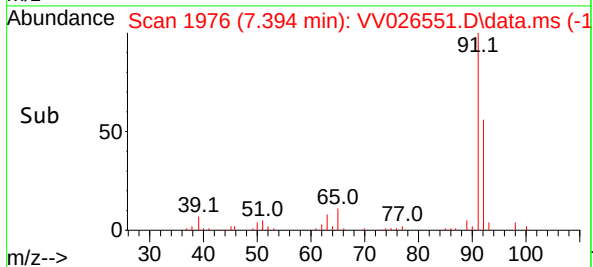
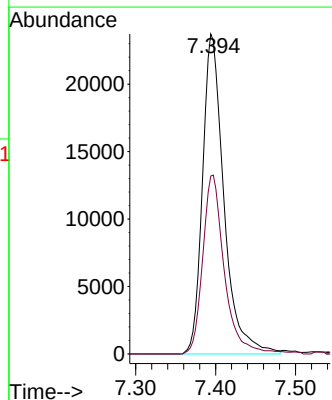
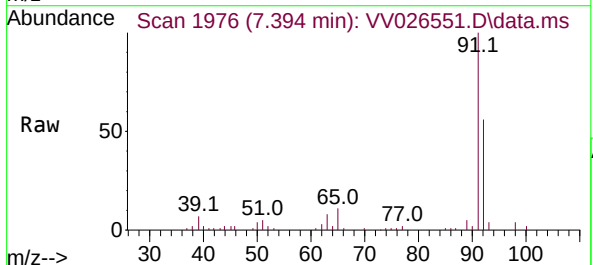
Acq: 24 Jun 2022 13:29

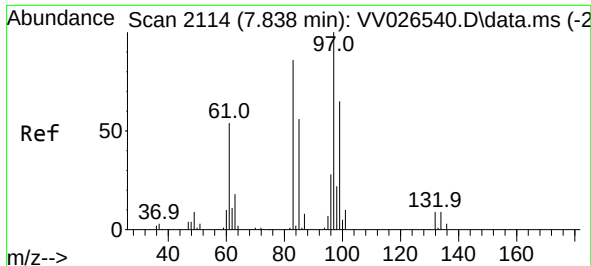
Tgt Ion: 91 Resp: 44196

Ion Ratio Lower Upper

91 100

92 55.6 40.3 74.9





#45

1,1,2-Trichloroethane

Concen: 0.076 ug/L

RT: 7.976 min Scan# 2114

Delta R.T. 0.138 min

Lab File: VV026551.D

Acq: 24 Jun 2022 13:29

Instrument :

MSVOA_V

ClientSampleId :

C0AH5

Tgt Ion: 97 Resp: 757

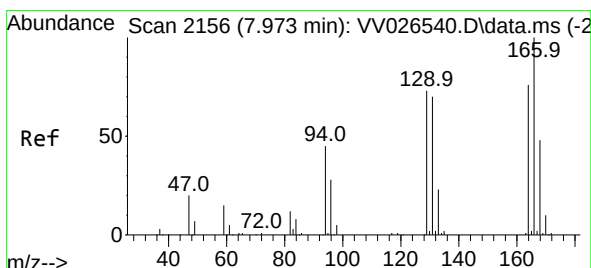
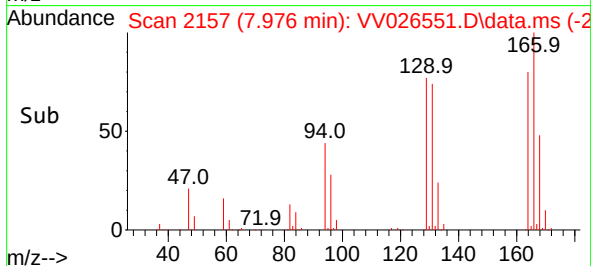
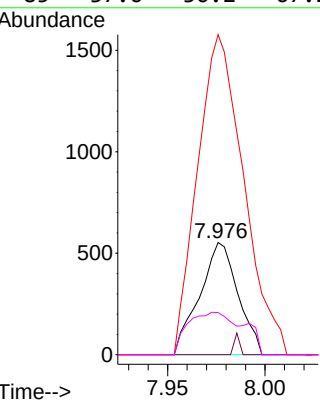
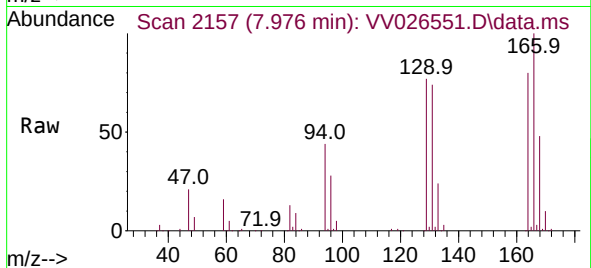
Ion Ratio Lower Upper

97 100

99 0.0 43.4 80.6#

83 285.2 58.0 107.8#

85 37.6 36.2 67.2



#47

Tetrachloroethene

Concen: 7.312 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.006 min

Lab File: VV026551.D

Acq: 24 Jun 2022 13:29

Tgt Ion:164 Resp: 100465

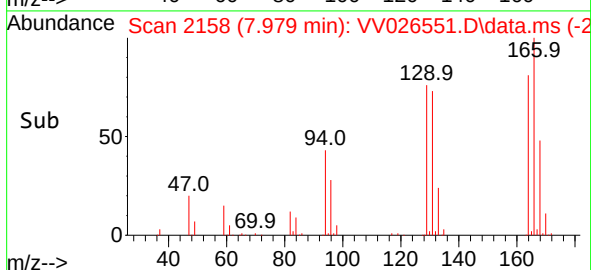
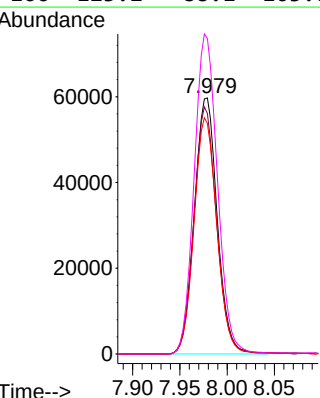
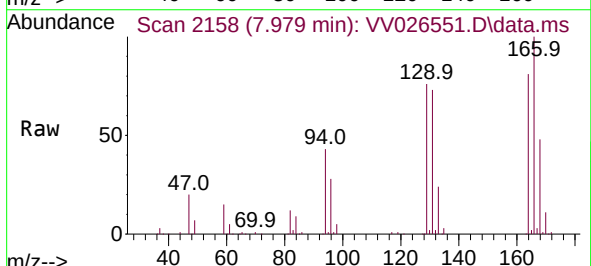
Ion Ratio Lower Upper

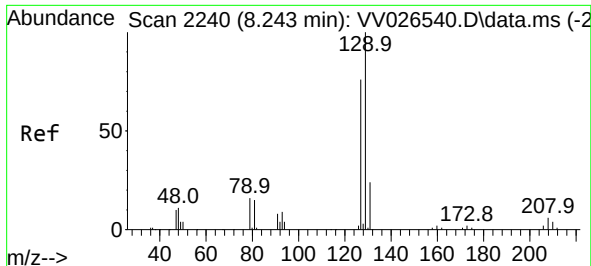
164 100

129 93.9 66.4 123.2

131 90.0 64.4 119.6

166 123.2 88.1 163.7

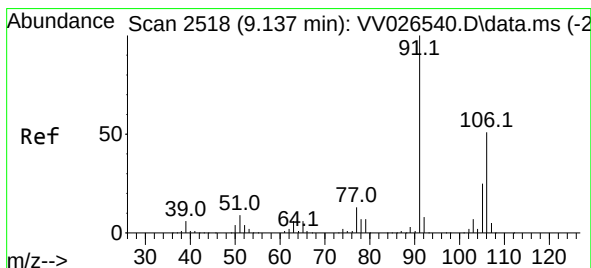
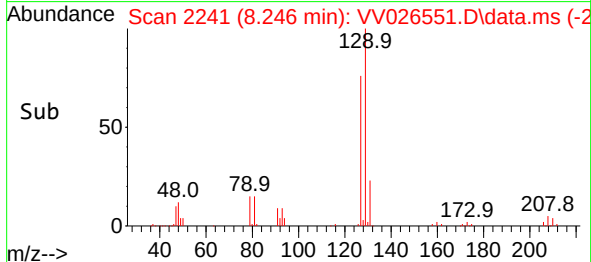
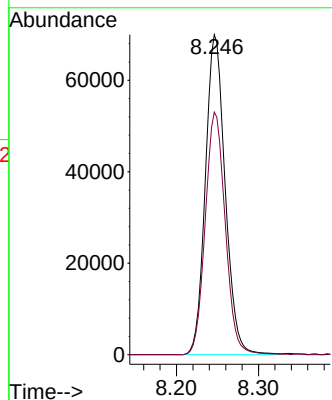
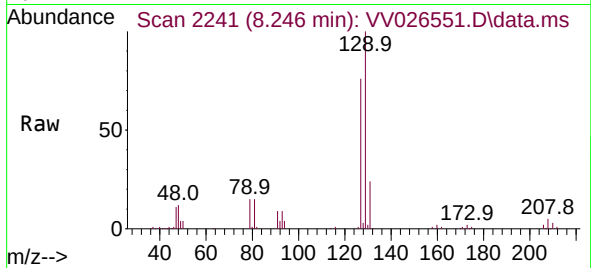




#49
Dibromochloromethane
Concen: 11.595 ug/L
RT: 8.246 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV026551.D
Acq: 24 Jun 2022 13:29

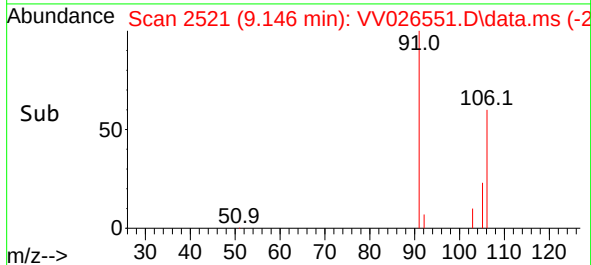
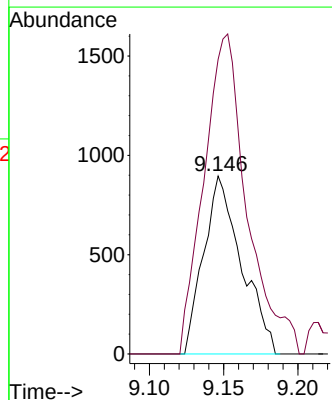
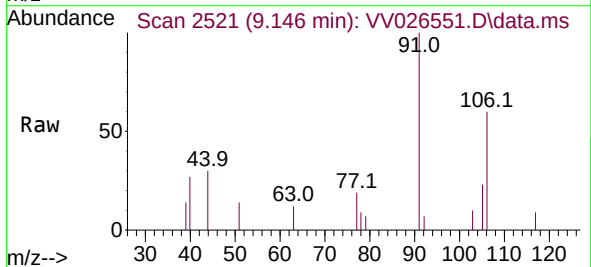
Instrument :
MSVOA_V
ClientSampleId :
C0AH5

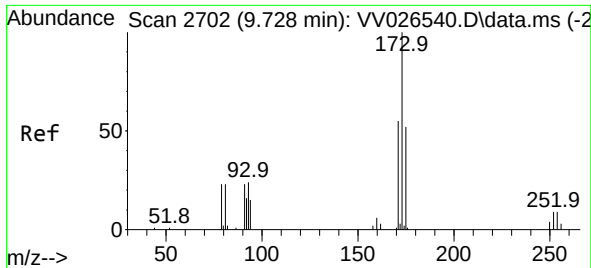
Tgt Ion:129 Resp: 117140
Ion Ratio Lower Upper
129 100
127 75.8 54.2 100.6



#53
m,p-Xylene
Concen: 0.058 ug/L
RT: 9.146 min Scan# 2521
Delta R.T. 0.010 min
Lab File: VV026551.D
Acq: 24 Jun 2022 13:29

Tgt Ion:106 Resp: 1592
Ion Ratio Lower Upper
106 100
91 165.5 139.9 259.9

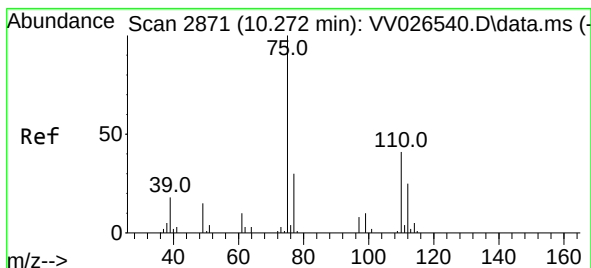
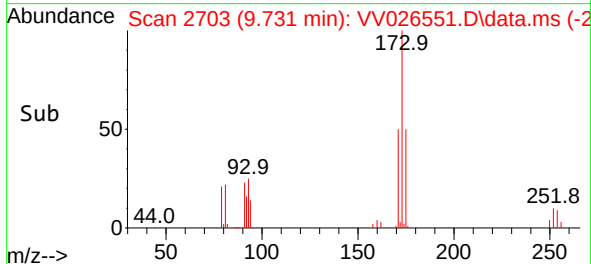
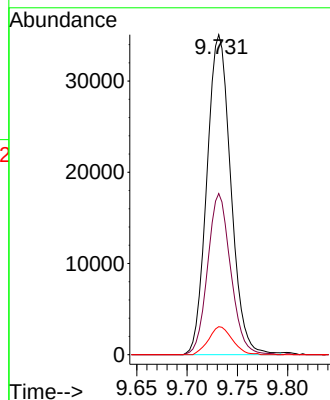
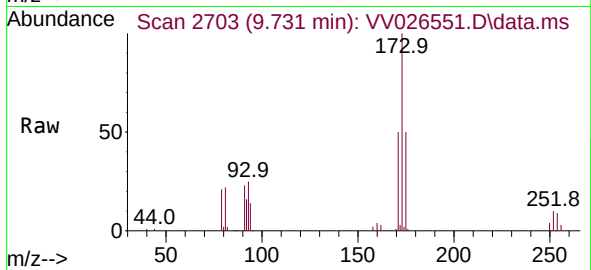




#59
Bromoform
Concen: 16.237 ug/L
RT: 9.731 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV026551.D
Acq: 24 Jun 2022 13:29

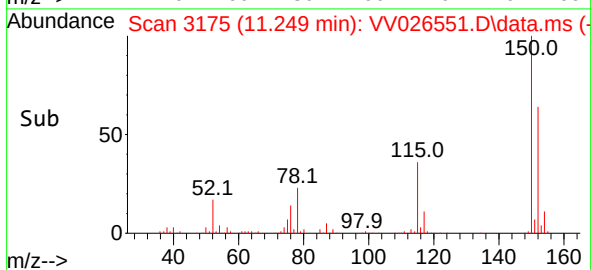
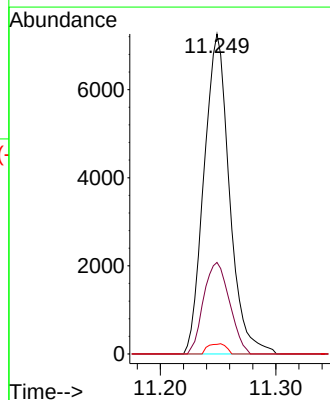
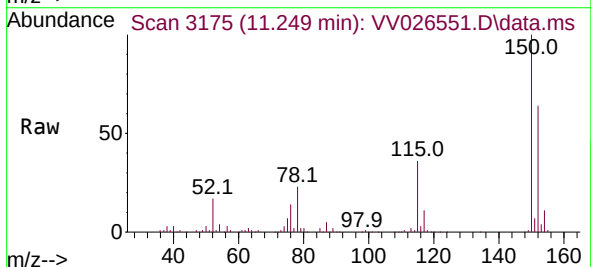
Instrument :
MSVOA_V
ClientSampleId :
C0AH5

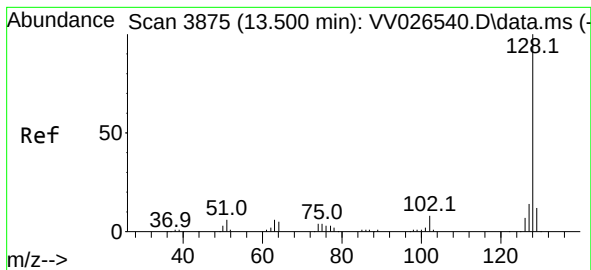
Tgt Ion:173 Resp: 58033
Ion Ratio Lower Upper
173 100
175 48.5 37.9 56.9
254 8.7 6.3 9.5



#61
1,2,3-Trichloropropane
Concen: 1.770 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.977 min
Lab File: VV026551.D
Acq: 24 Jun 2022 13:29

Tgt Ion: 75 Resp: 11118
Ion Ratio Lower Upper
75 100
77 29.2 25.8 38.6
110 2.3 32.5 48.7#





#71

Naphthalene

Concen: 0.848 ug/L

RT: 13.503 min Scan# 3876

Delta R.T. 0.003 min

Lab File: VV026551.D

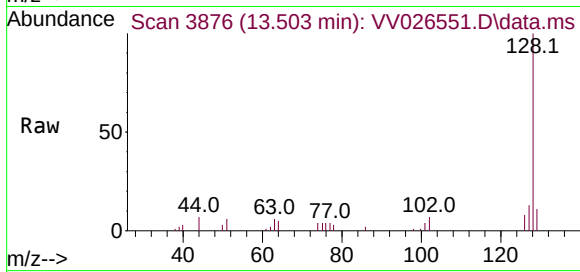
Acq: 24 Jun 2022 13:29

Instrument :

MSVOA_V

ClientSampleId :

C0AH5



Tgt Ion:128 Resp: 16345

Ion Ratio Lower Upper

128 100

129 10.4 8.6 12.8

127 12.3 10.2 15.4

