

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122721\
 Data File : VU046608.D
 Acq On : 27 Dec 2021 19:03
 Operator : SY/MD
 Sample : M5126-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J09

Quant Time: Dec 28 04:59:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 28 04:55:25 2021
 Response via : Initial Calibration

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

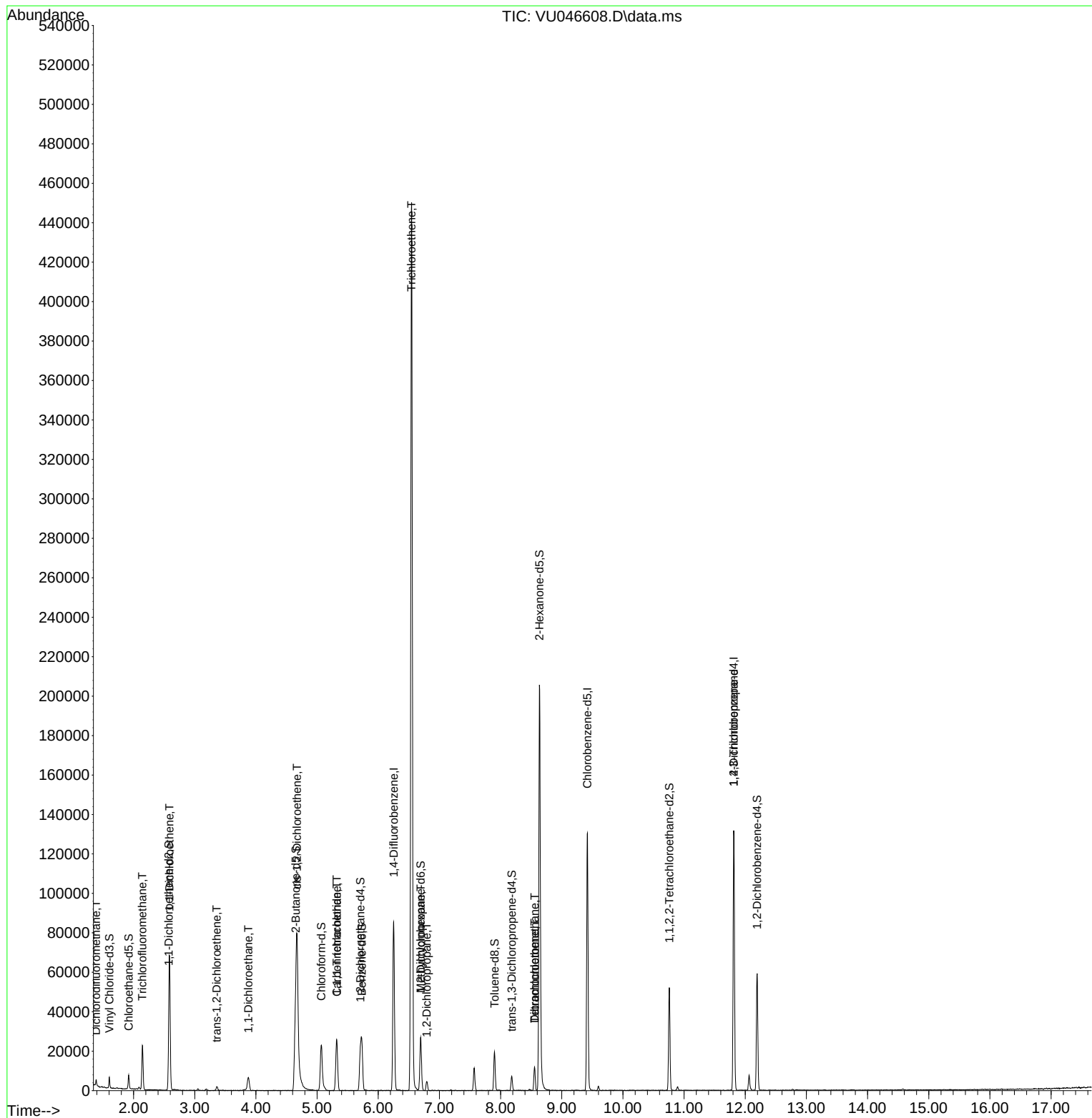
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	70835	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	72918	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	35024	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	3849	0.690	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	13.800%#
7) Chloroethane-d5	1.919	69	5600	1.275	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	25.400%#
11) 1,1-Dichloroethene-d2	2.575	65	1288	0.547	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	11.000%#
20) 2-Butanone-d5	4.652	46	95335	58.907	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.820%
24) Chloroform-d	5.070	84	21980	2.150	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	43.000%#
26) 1,2-Dichloroethane-d4	5.706	65	14556	2.491	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	49.800%#
32) Benzene-d6	5.732	84	23879	1.175	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	23.400%#
36) 1,2-Dichloropropane-d6	6.694	67	12712	2.081	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	41.600%#
41) Toluene-d8	7.902	98	13544	0.734	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	14.600%#
43) trans-1,3-Dichloroprop...	8.182	79	4782	1.693	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	33.800%#
46) 2-Hexanone-d5	8.636	63	79103	47.694	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.380%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	25037	3.994	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	15782	2.446	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	49.000%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	1797	0.166	ug/L	98
9) Trichlorofluoromethane	2.144	101	14995	1.247	ug/L	98
12) 1,1-Dichloroethene	2.588	96	22583	3.624	ug/L #	61
18) trans-1,2-Dichloroethene	3.359	96	697	0.105	ug/L	89
19) 1,1-Dichloroethane	3.877	63	7849	0.641	ug/L	97
22) cis-1,2-Dichloroethene	4.671	96	27902	3.840	ug/L	96
29) 1,1,1-Trichloroethane	5.321	97	19561	1.622	ug/L	96
31) Carbon tetrachloride	5.324	117	2360	0.233	ug/L	97
34) Trichloroethene	6.542	95	154604	20.243	ug/L	98
35) Methylcyclohexane	6.694	83	3114	0.289	ug/L #	20
37) 1,2-Dichloropropane	6.790	63	1894	0.256	ug/L #	88
47) Tetrachloroethene	8.555	164	2771	0.513	ug/L	91
49) Dibromochloromethane	8.555	129	2708	0.368	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	4195	0.721	ug/L #	64

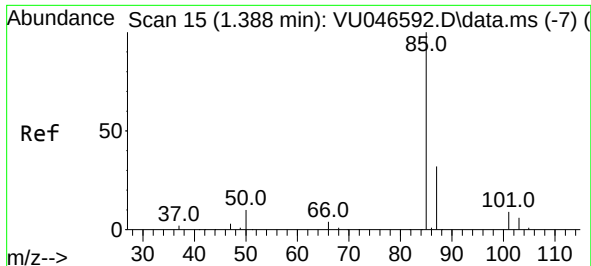
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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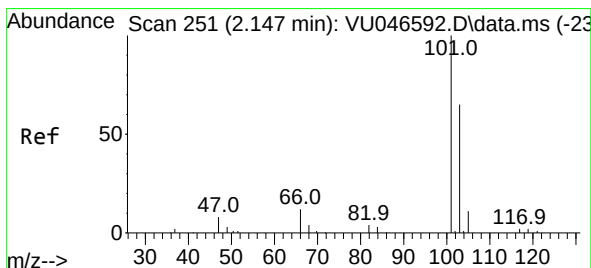
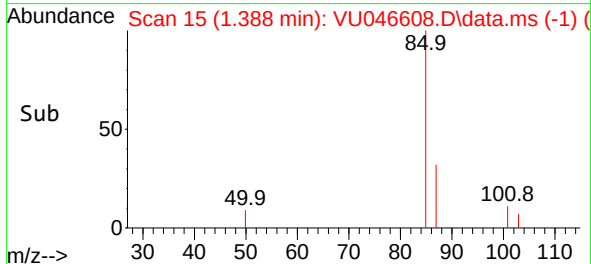
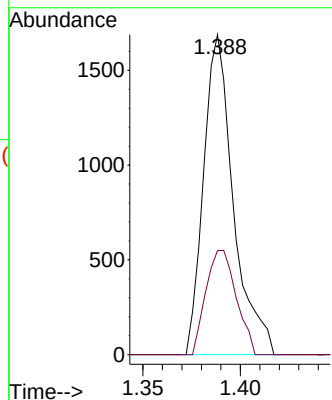
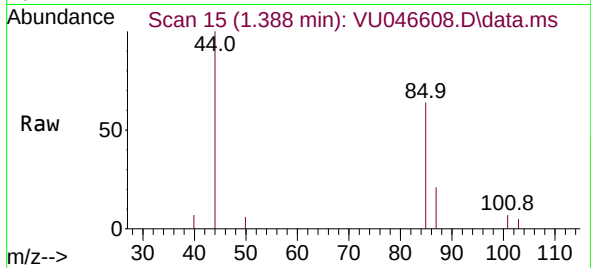




#2
Dichlorodifluoromethane
Concen: 0.166 ug/L
RT: 1.388 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046608.D
Acq: 27 Dec 2021 19:03

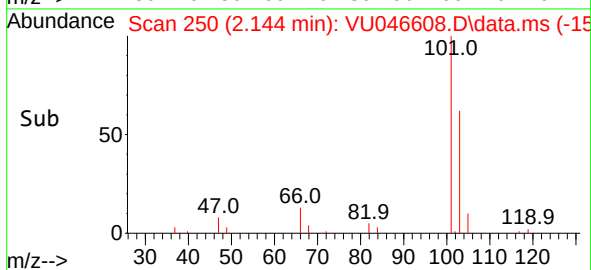
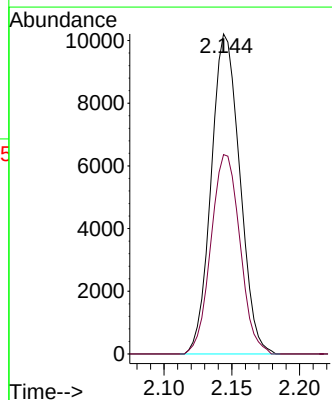
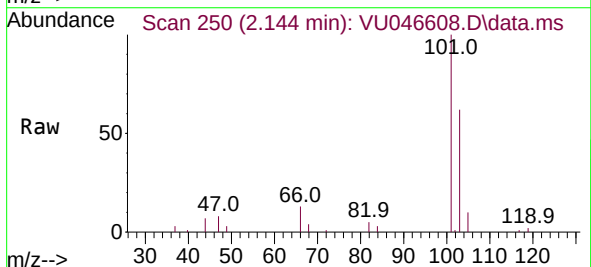
Instrument :
MSVOA_U
ClientSampleId :
C0J09

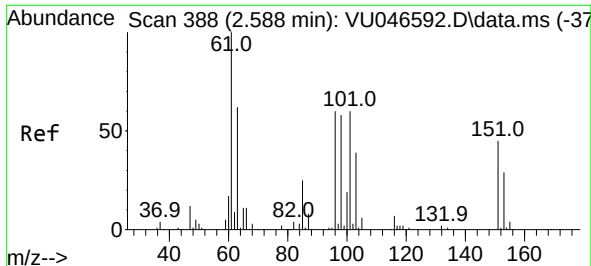
Tgt Ion: 85 Resp: 1797
Ion Ratio Lower Upper
85 100
87 33.1 25.8 38.6



#9
Trichlorofluoromethane
Concen: 1.247 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.003 min
Lab File: VU046608.D
Acq: 27 Dec 2021 19:03

Tgt Ion:101 Resp: 14995
Ion Ratio Lower Upper
101 100
103 63.1 51.5 77.3





#12

1,1-Dichloroethene

Concen: 3.624 ug/L

RT: 2.588 min Scan# 388

Delta R.T. -0.000 min

Lab File: VU046608.D

Acq: 27 Dec 2021 19:03

Instrument :

MSVOA_U

ClientSampleId :

C0J09

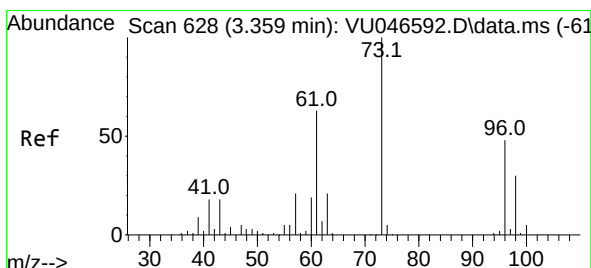
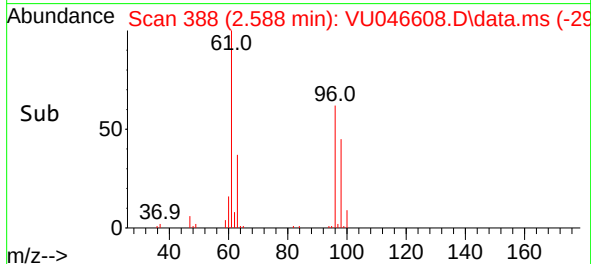
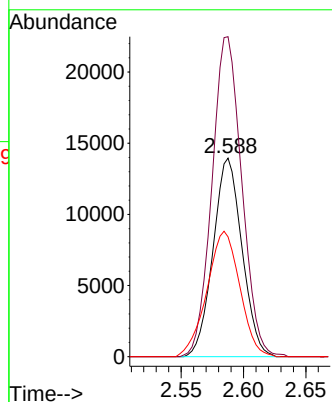
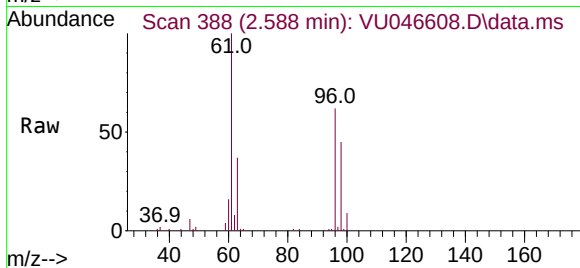
Tgt Ion: 96 Resp: 22583

Ion Ratio Lower Upper

96 100

61 161.1 124.7 231.5

63 60.4 105.2 195.4#



#18

trans-1,2-Dichloroethene

Concen: 0.105 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU046608.D

Acq: 27 Dec 2021 19:03

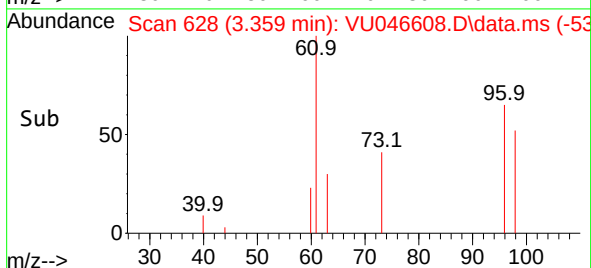
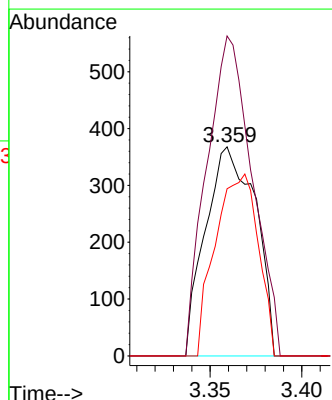
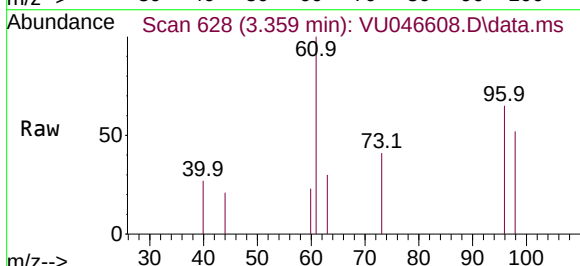
Tgt Ion: 96 Resp: 697

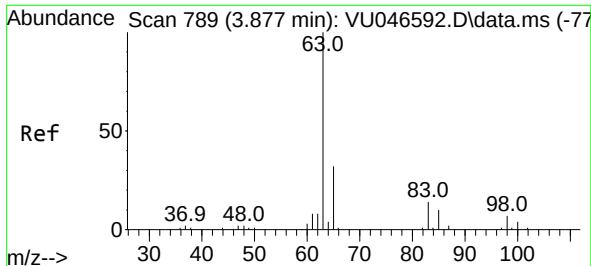
Ion Ratio Lower Upper

96 100

61 153.0 100.8 187.2

98 79.9 45.1 83.7





#19

1,1-Dichloroethane

Concen: 0.641 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU046608.D

Acq: 27 Dec 2021 19:03

Instrument :

MSVOA_U

ClientSampleId :

C0J09

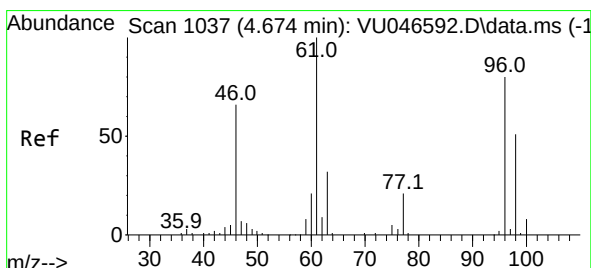
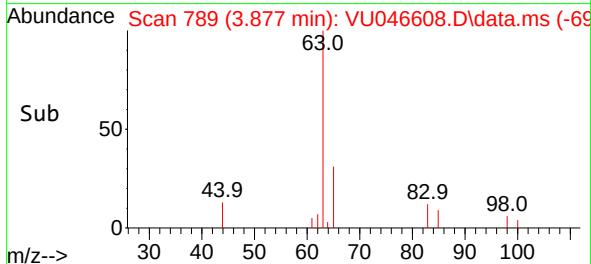
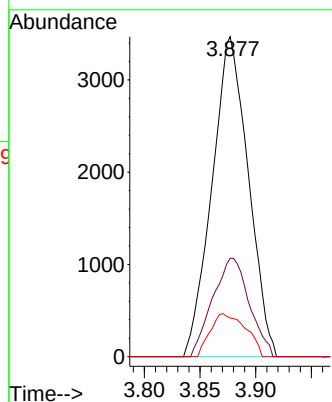
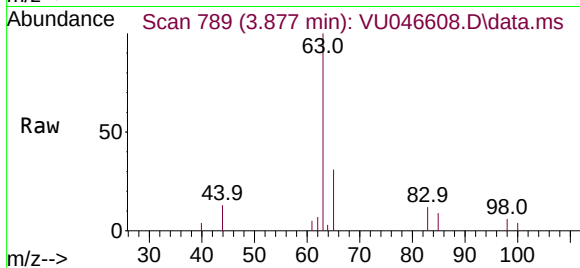
Tgt Ion: 63 Resp: 7849

Ion Ratio Lower Upper

63 100

65 30.8 22.3 41.5

83 12.0 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 3.840 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VU046608.D

Acq: 27 Dec 2021 19:03

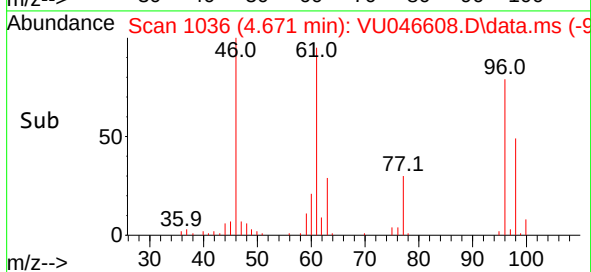
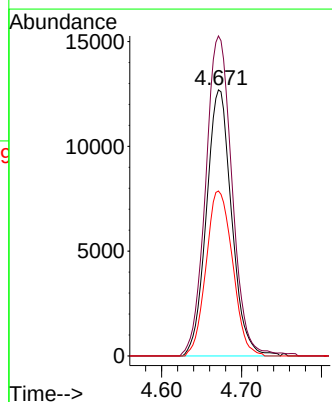
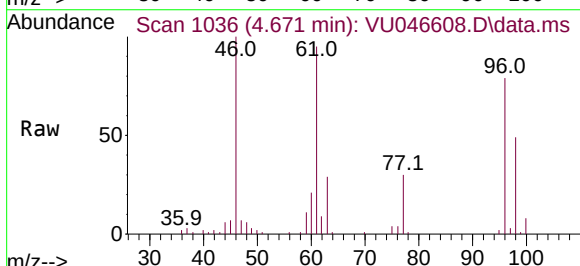
Tgt Ion: 96 Resp: 27902

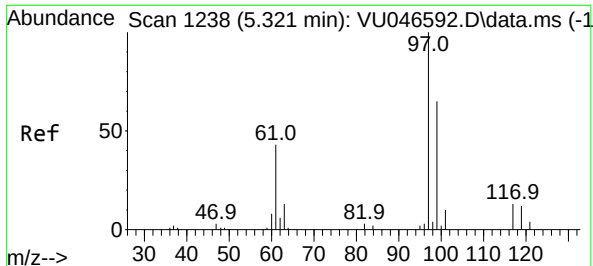
Ion Ratio Lower Upper

96 100

61 120.2 88.5 164.3

98 62.0 44.4 82.5





#29

1,1,1-Trichloroethane

Concen: 1.622 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046608.D

Acq: 27 Dec 2021 19:03

Instrument :

MSVOA_U

ClientSampleId :

C0J09

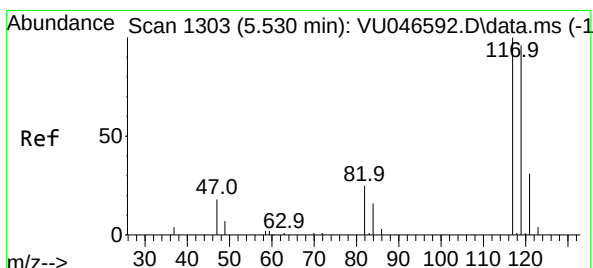
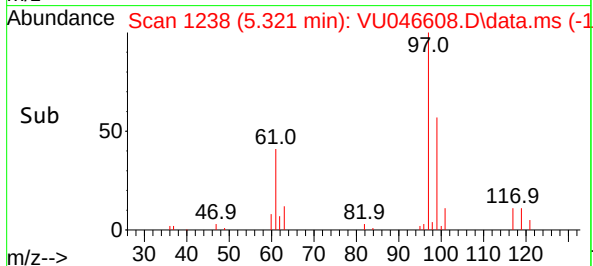
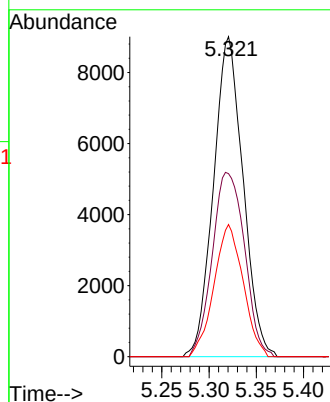
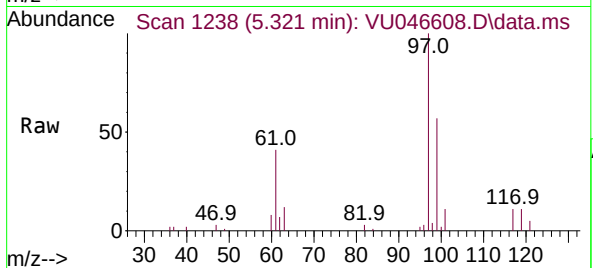
Tgt Ion: 97 Resp: 19561

Ion Ratio Lower Upper

97 100

99 62.9 51.3 76.9

61 40.8 36.1 54.1



#31

Carbon tetrachloride

Concen: 0.233 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. -0.206 min

Lab File: VU046608.D

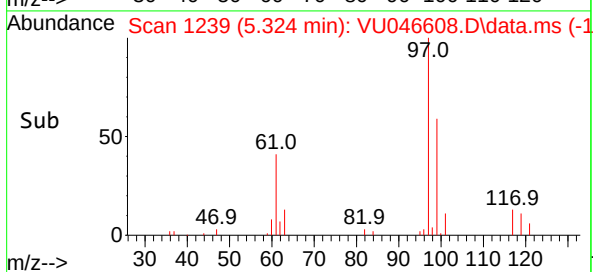
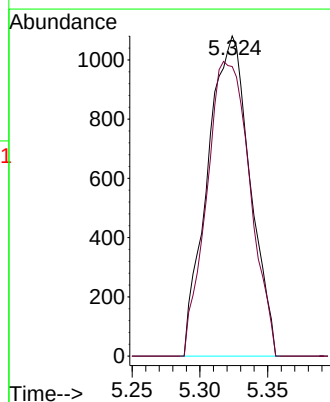
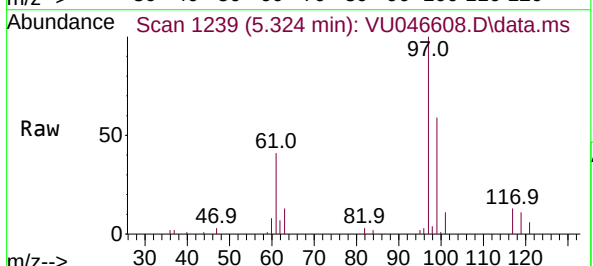
Acq: 27 Dec 2021 19:03

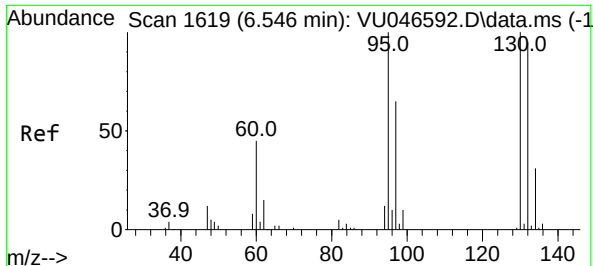
Tgt Ion: 117 Resp: 2360

Ion Ratio Lower Upper

117 100

119 93.6 77.5 116.3





#34

Trichloroethene

Concen: 20.243 ug/L

RT: 6.542 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU046608.D

Acq: 27 Dec 2021 19:03

Instrument :

MSVOA_U

ClientSampleId :

C0J09

Tgt Ion: 95 Resp: 154604

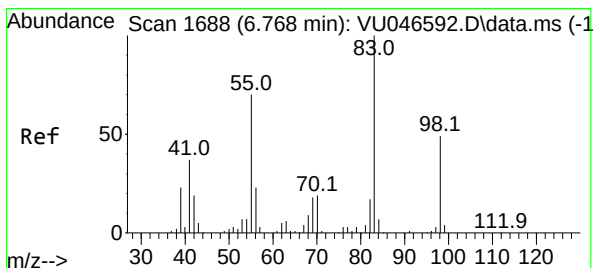
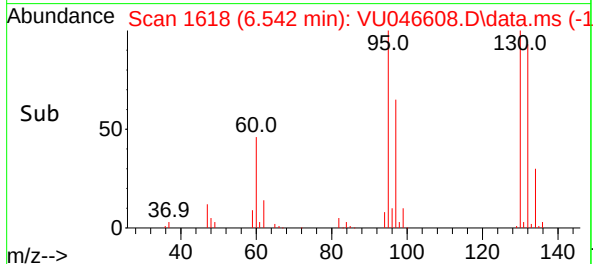
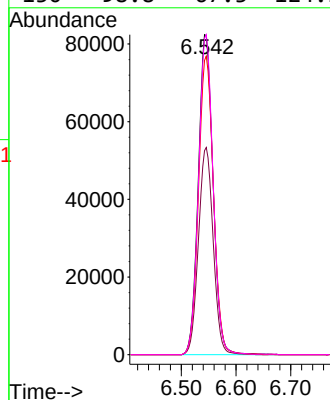
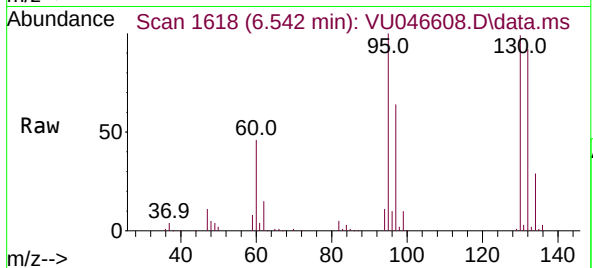
Ion Ratio Lower Upper

95 100

97 63.8 46.5 86.5

132 92.0 65.1 120.9

130 98.8 67.3 124.9



#35

Methylcyclohexane

Concen: 0.289 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU046608.D

Acq: 27 Dec 2021 19:03

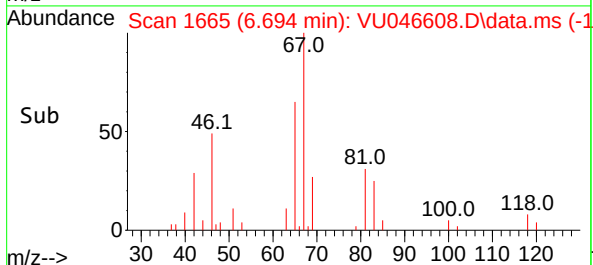
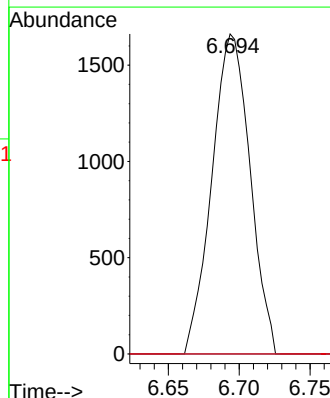
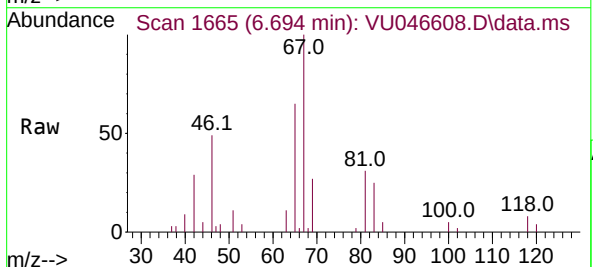
Tgt Ion: 83 Resp: 3114

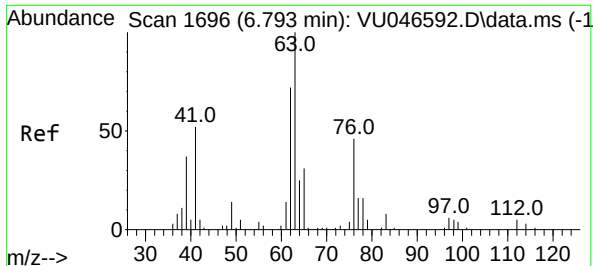
Ion Ratio Lower Upper

83 100

55 0.0 61.9 92.9#

98 4.0 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.256 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU046608.D

Acq: 27 Dec 2021 19:03

Instrument :

MSVOA_U

ClientSampleId :

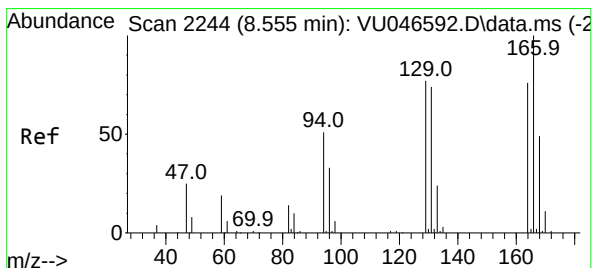
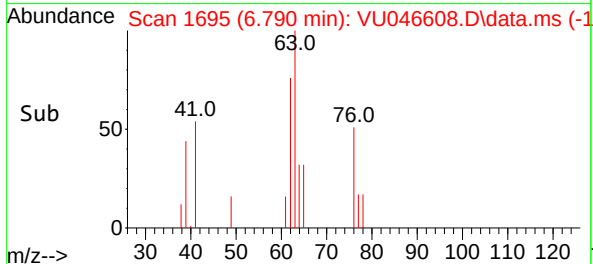
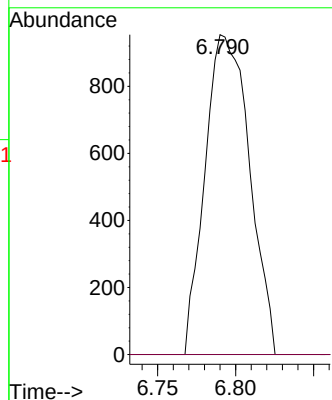
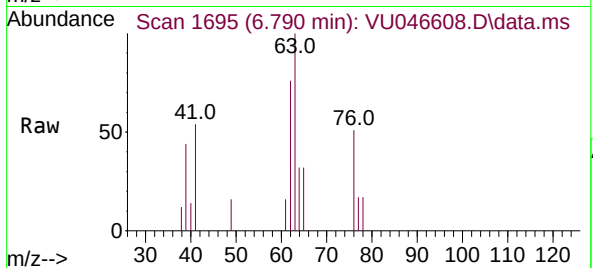
C0J09

Tgt Ion: 63 Resp: 1894

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#47

Tetrachloroethene

Concen: 0.513 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU046608.D

Acq: 27 Dec 2021 19:03

Tgt Ion: 164 Resp: 2771

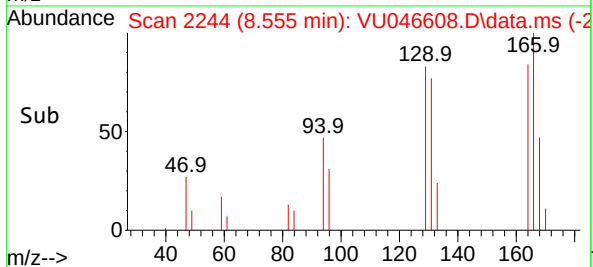
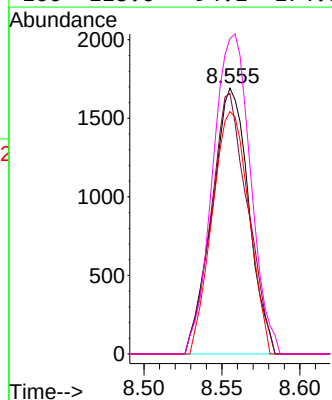
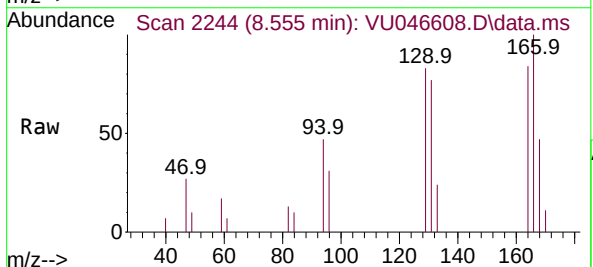
Ion Ratio Lower Upper

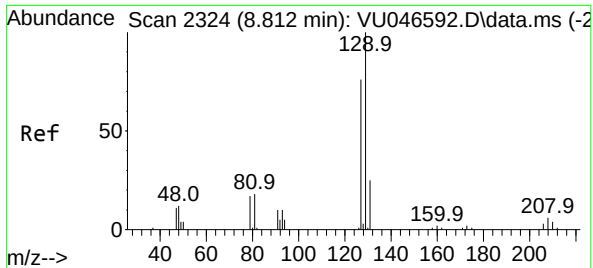
164 100

129 98.0 71.8 133.4

131 91.2 68.5 127.3

166 118.6 94.1 174.8





#49

Dibromochloromethane

Concen: 0.368 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU046608.D

Acq: 27 Dec 2021 19:03

Instrument :

MSVOA_U

ClientSampleId :

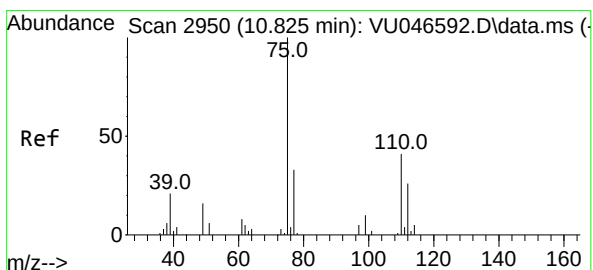
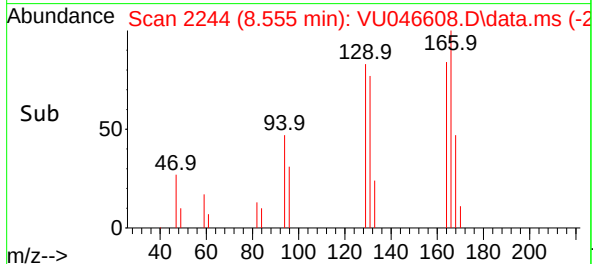
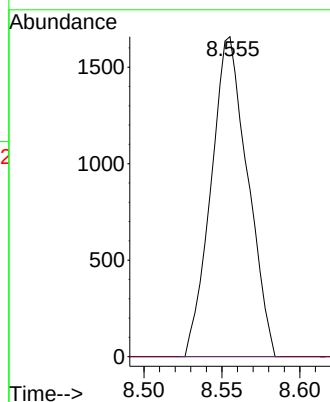
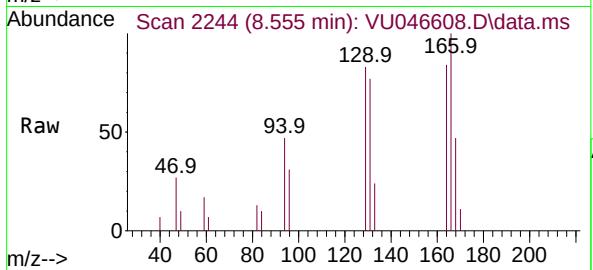
C0J09

Tgt Ion:129 Resp: 2708

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#61

1,2,3-Trichloropropane

Concen: 0.721 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU046608.D

Acq: 27 Dec 2021 19:03

Tgt Ion: 75 Resp: 4195

Ion Ratio Lower Upper

75 100

110 0.0 29.9 44.9#

77 29.5 25.5 38.3

