

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)

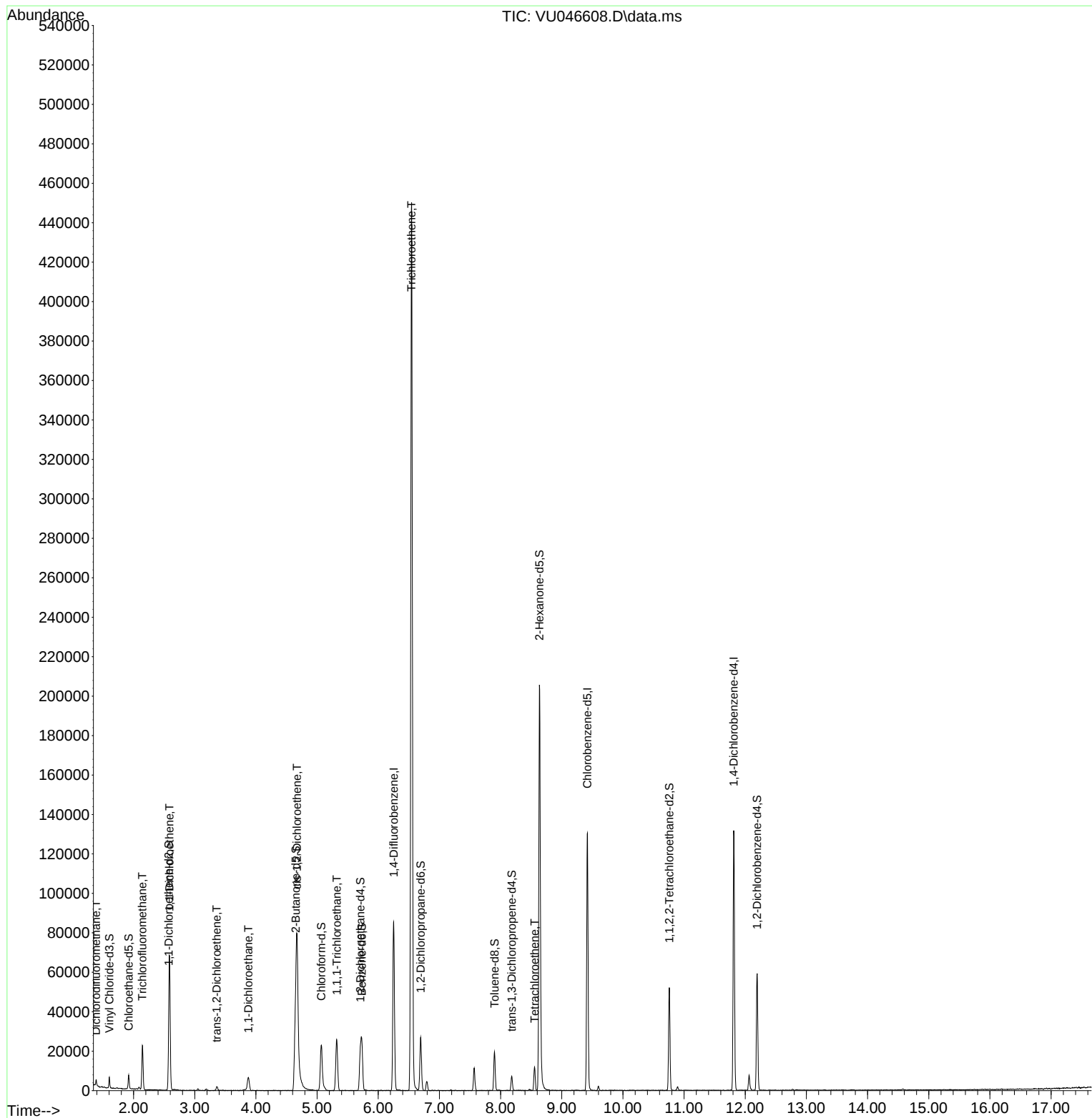
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	70835	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	72918	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	35024	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	3849	0.690	ug/L	0.00
Spiked Amount	5.000	Range	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
34) Trichloroethene	6.542	95	154604	20.243	ug/L	98
47) Tetrachloroethene	8.555	164	2771	0.513	ug/L	91

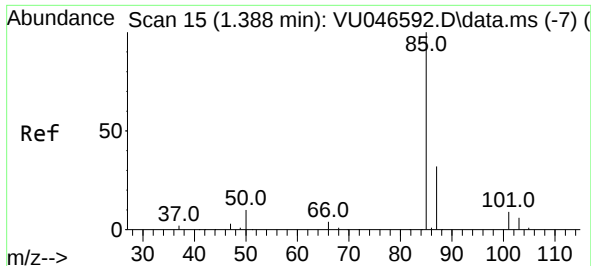
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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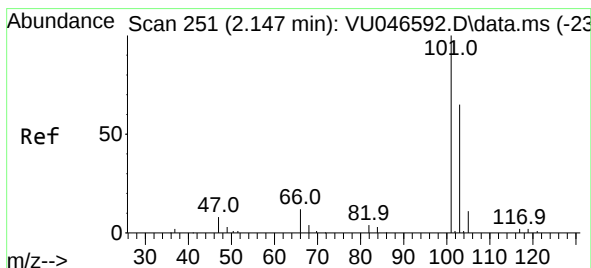
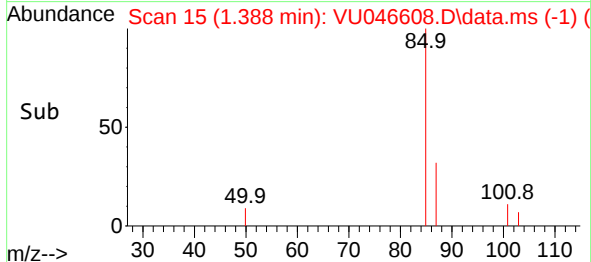
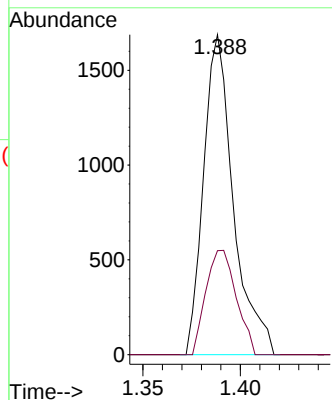
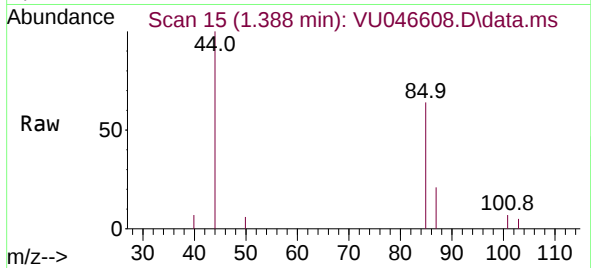




#2
Dichlorodifluoromethane
Concen: 0.166 ug/L
RT: 1.388 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046608.D
Acq: 27 Dec 2021 19:03

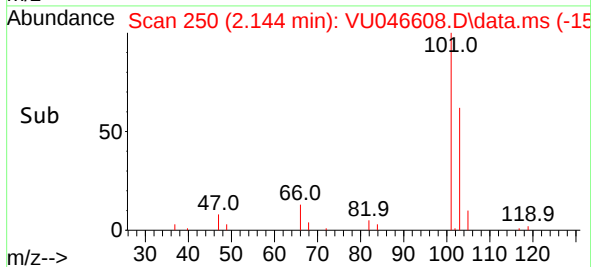
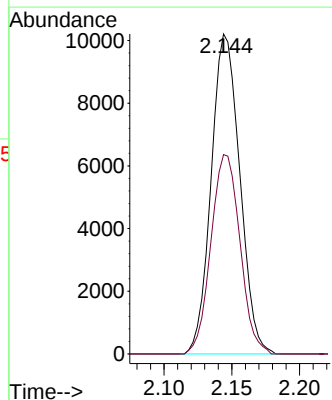
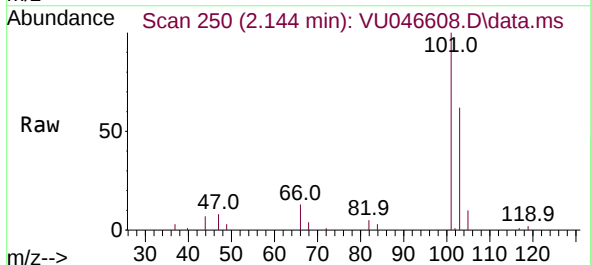
Instrument :
MSVOA_U
ClientSampleId :
C0J09

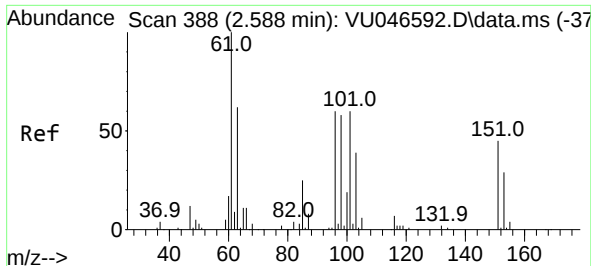
Tgt Ion: 85 Resp: 1797
Ion Ratio Lower Upper
85 100
87 33.1 25.8 38.6



#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

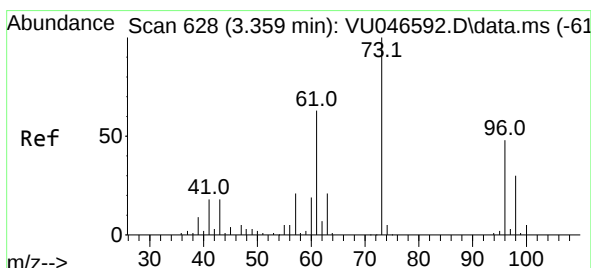
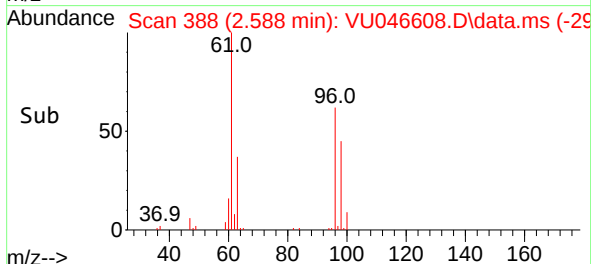
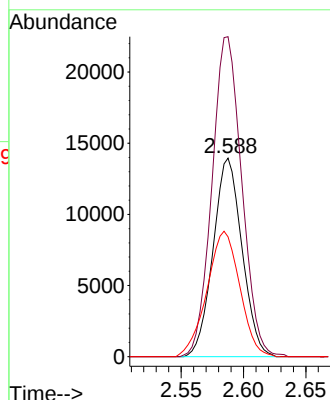
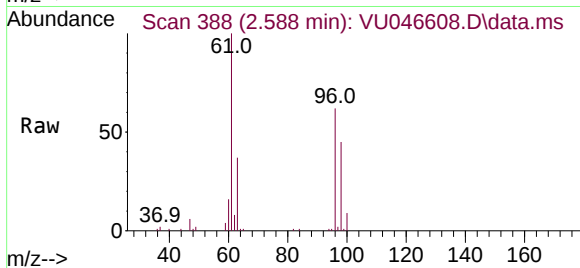
Tgt Ion: 96 Resp: 22583

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

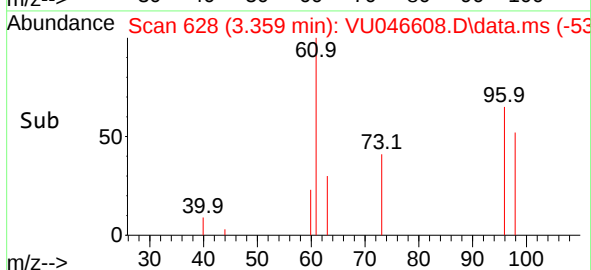
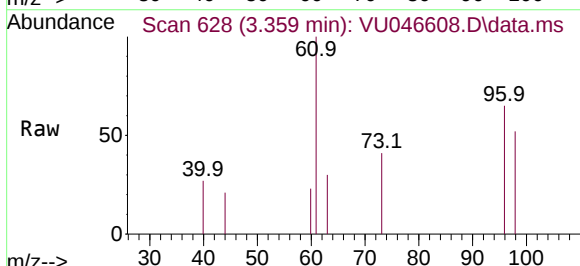
Tgt Ion: 96 Resp: 697

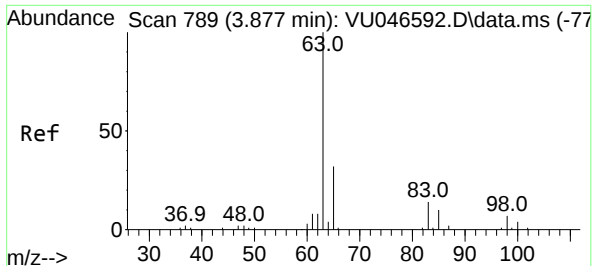
Ion Ratio Lower Upper

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

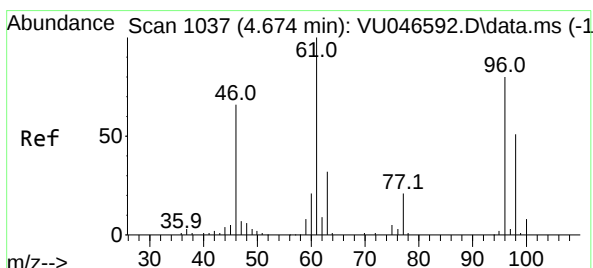
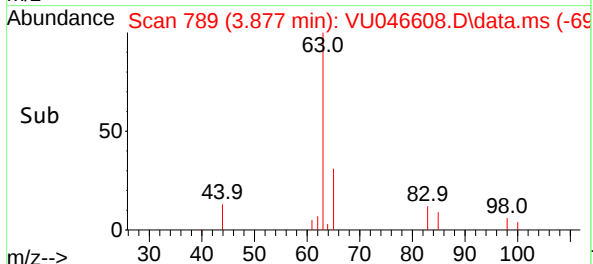
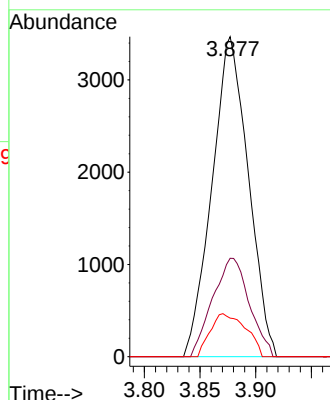
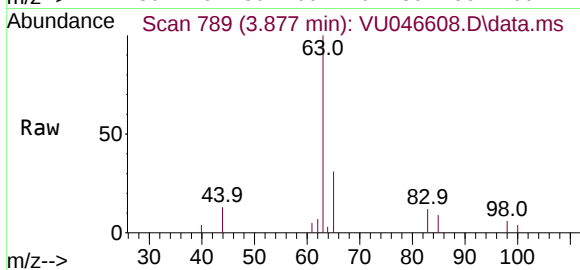
Tgt Ion: 63 Resp: 7849

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

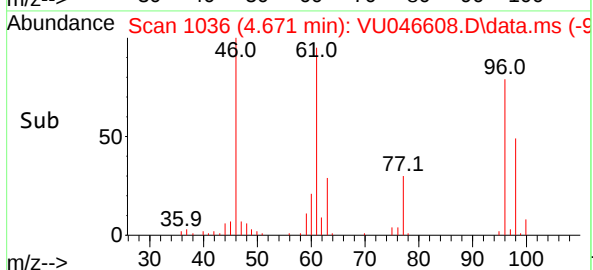
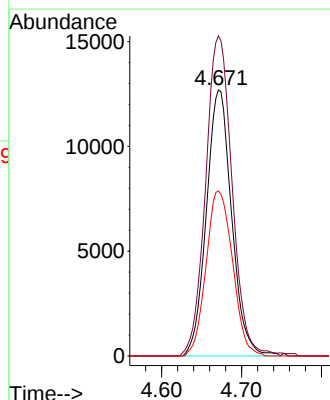
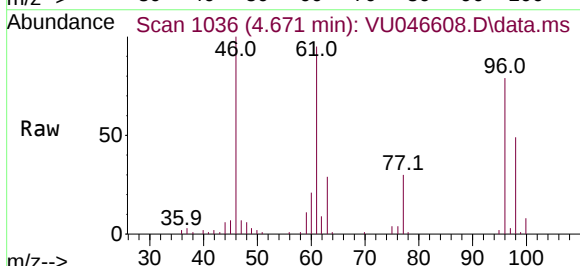
Tgt Ion: 96 Resp: 27902

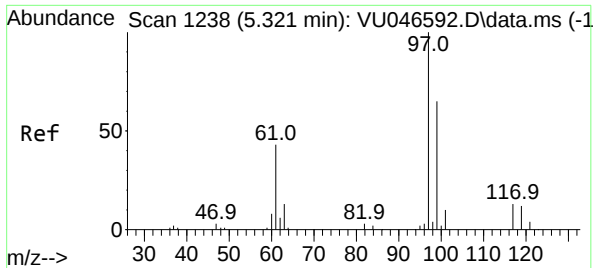
Ion Ratio Lower Upper

96 100

61 120.2 88.5 164.3

98 62.0 44.4 82.5

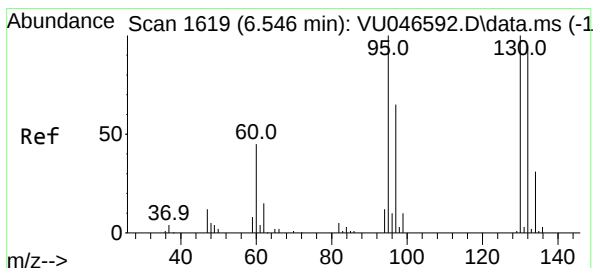
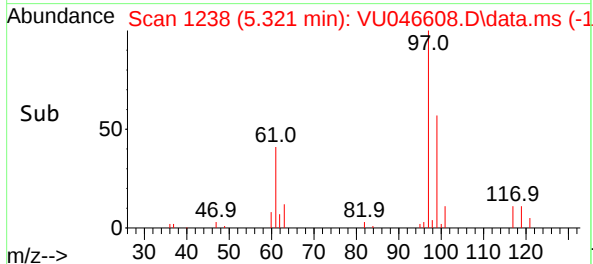
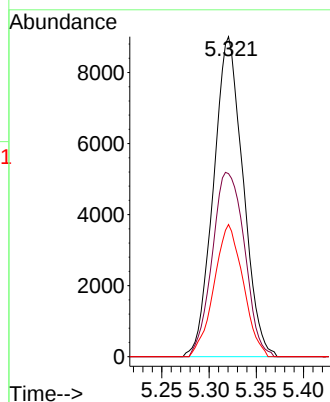
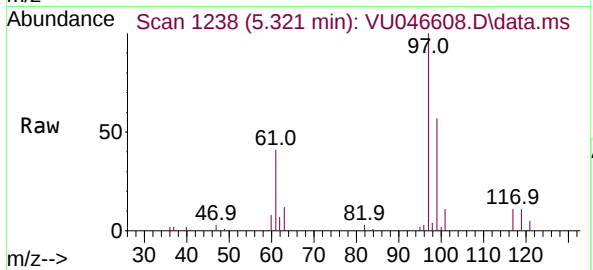




#29
1,1,1-Trichloroethane
Concen: 1.622 ug/L
RT: 5.321 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046608.D
Acq: 27 Dec 2021 19:03

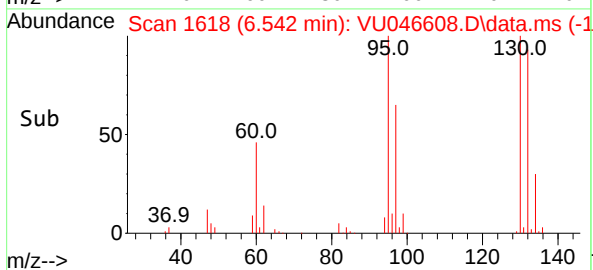
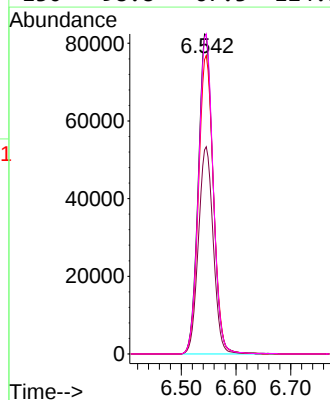
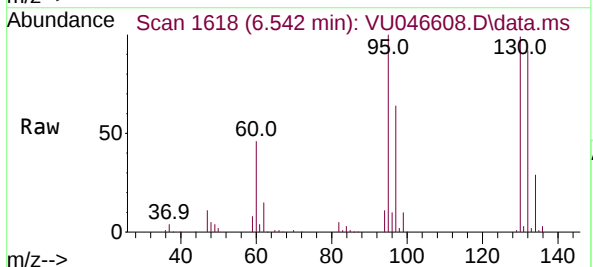
Instrument :
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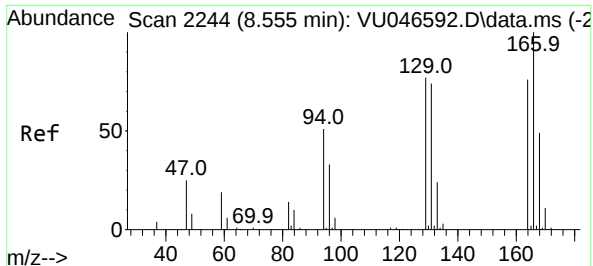
Tgt Ion:	97	Resp:	19561
Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.3	76.9
61	40.8	36.1	54.1



#34
Trichloroethene
Concen: 20.243 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU046608.D
Acq: 27 Dec 2021 19:03

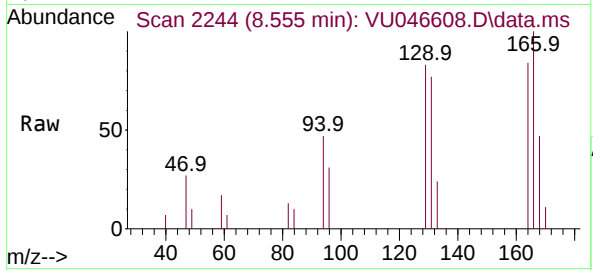
Tgt Ion:	95	Resp:	154604
Ion	Ratio	Lower	Upper
95	100		
97	63.8	46.5	86.5
132	92.0	65.1	120.9
130	98.8	67.3	124.9





#47
Tetrachloroethene
Concen: 0.513 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046608.D
Acq: 27 Dec 2021 19:03

Instrument :
MSVOA_U
ClientSampleId :
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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

