

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121421\
 Data File : VU046367.D
 Acq On : 14 Dec 2021 19:32
 Operator : SY/MD
 Sample : M4997-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5R5

Quant Time: Dec 15 03:44:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 15 03:40:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	138941	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	143646	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	70471	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	43467	37.978	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.960%
7) Chloroethane-d5	1.919	69	33529	38.155	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.320%
11) 1,1-Dichloroethene-d2	2.571	63	59839	29.124	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.240%#
21) 2-Butanone-d5	4.642	46	82688	90.882	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.880%
24) Chloroform-d	5.066	84	87744	45.908	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.820%
26) 1,2-Dichloroethane-d4	5.706	65	60223	46.950	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.900%
32) Benzene-d6	5.732	84	169475	41.163	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.320%
36) 1,2-Dichloropropane-d6	6.693	67	54745	42.904	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.800%
41) Toluene-d8	7.899	98	140760	37.550	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.100%#
43) trans-1,3-Dichloroprop...	8.182	79	25149	40.829	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.660%
47) 2-Hexanone-d5	8.635	63	59194	97.843	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.840%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	87530	45.234	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.460%
66) 1,2-Dichlorobenzene-d4	12.195	152	59636	43.942	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.880%

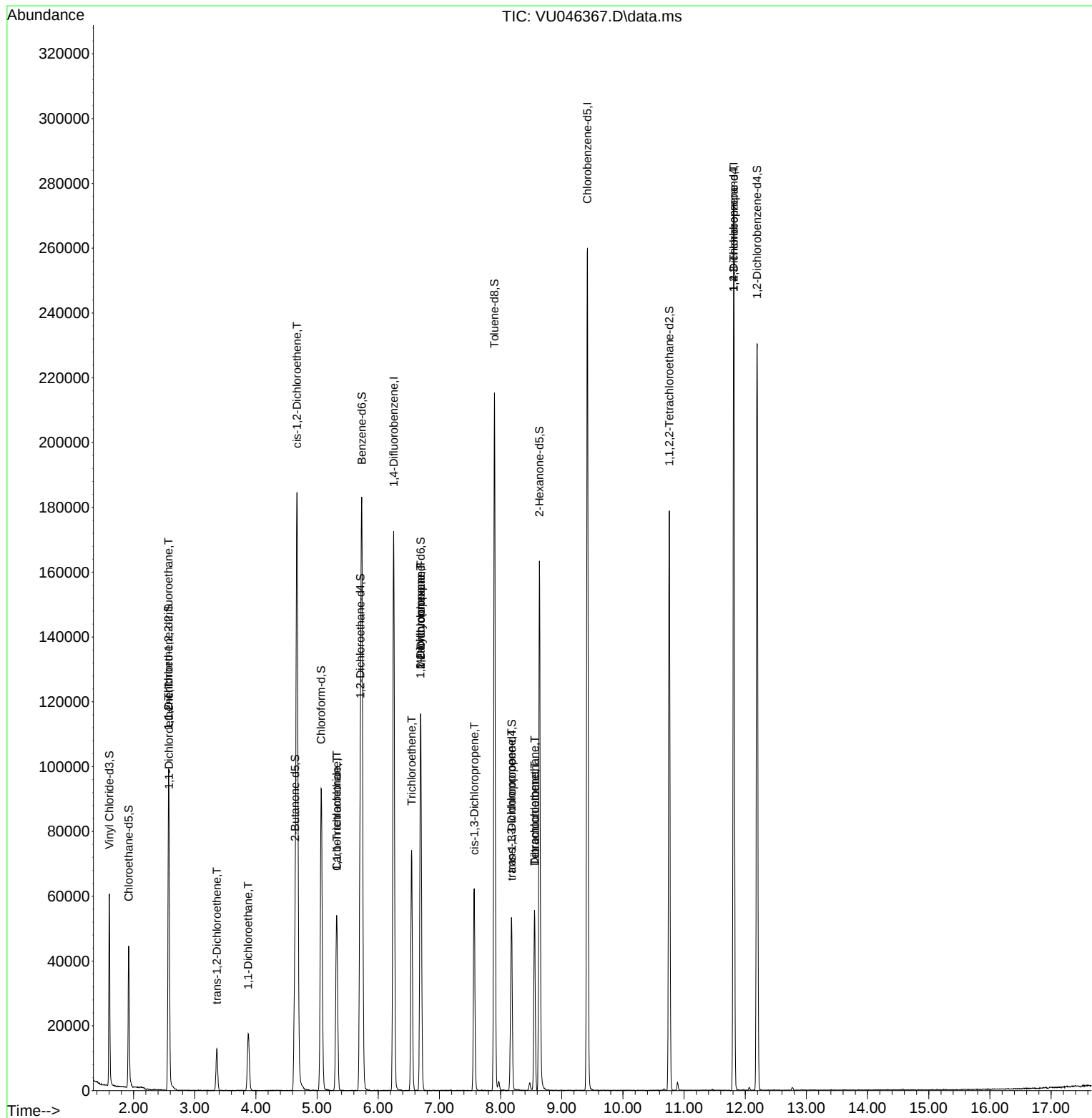
Target Compounds					Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	534	0.528 ug/L #	21
12) 1,1-Dichloroethene	2.581	96	1607	1.673 ug/L #	1
17) trans-1,2-Dichloroethene	3.362	96	5564	5.473 ug/L	94
19) 1,1-Dichloroethane	3.874	63	20858	11.284 ug/L	97
20) cis-1,2-Dichloroethene	4.671	96	90000	81.585 ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	39188	22.225 ug/L	96
31) Carbon tetrachloride	5.321	117	5070	3.387 ug/L	98
34) Trichloroethene	6.546	95	25189	21.992 ug/L	99
35) Methylcyclohexane	6.693	83	13536	7.622 ug/L #	20
37) 1,2-Dichloropropane	6.690	63	6080	5.339 ug/L #	86
39) cis-1,3-Dichloropropene	7.571	75	1442	0.832 ug/L #	65
44) trans-1,3-Dichloropropene	8.179	75	1092	0.642 ug/L #	63
46) Tetrachloroethene	8.555	164	11912	14.152 ug/L	94
49) Dibromochloromethane	8.555	129	11728	9.774 ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	8755	5.667 ug/L #	64

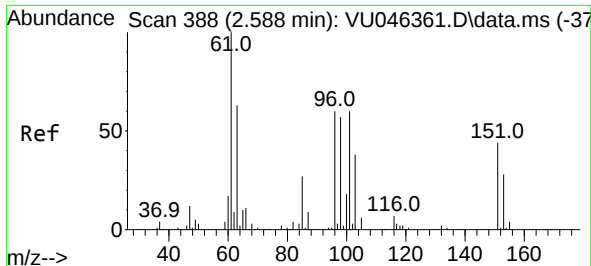
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.528 ug/L

RT: 2.571 min Scan# 383

Delta R.T. -0.016 min

Lab File: VU046367.D

Acq: 14 Dec 2021 19:32

Instrument :

MSVOA_U

ClientSampleId :

EW5R5

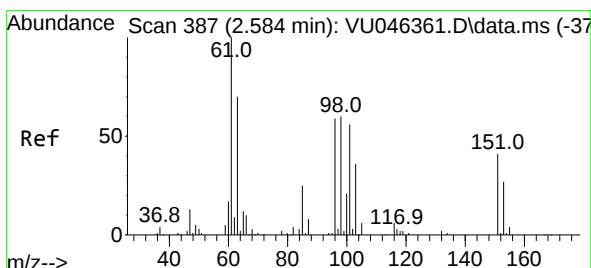
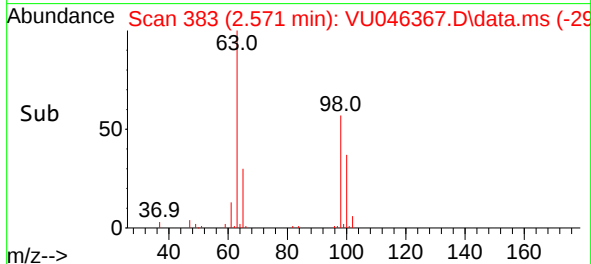
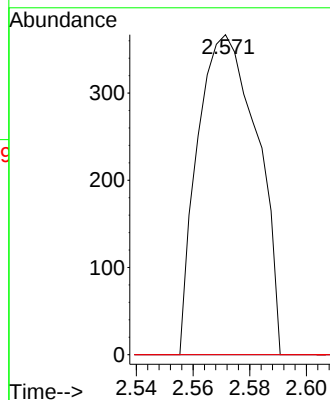
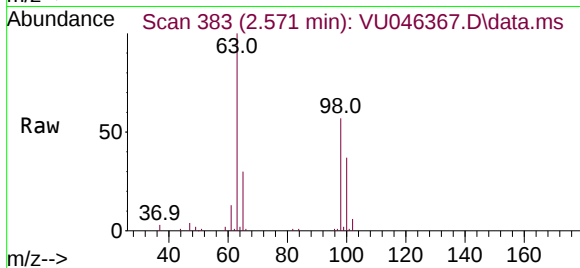
Tgt Ion:101 Resp: 534

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 56.7 85.1#



#12

1,1-Dichloroethene

Concen: 1.673 ug/L

RT: 2.581 min Scan# 386

Delta R.T. -0.003 min

Lab File: VU046367.D

Acq: 14 Dec 2021 19:32

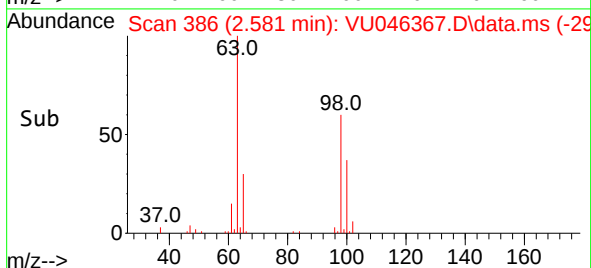
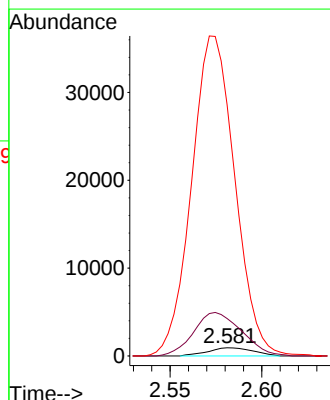
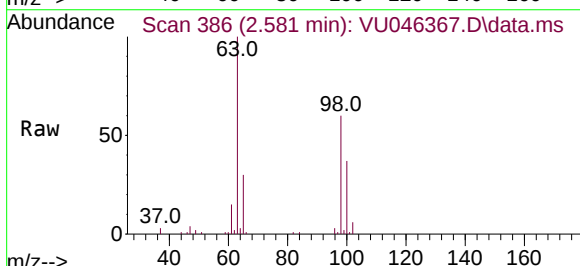
Tgt Ion: 96 Resp: 1607

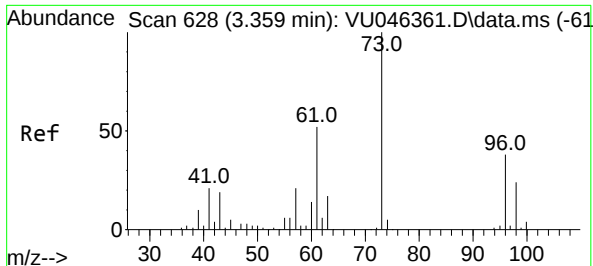
Ion Ratio Lower Upper

96 100

61 458.9 118.6 220.2#

63 3074.5 93.0 172.8#

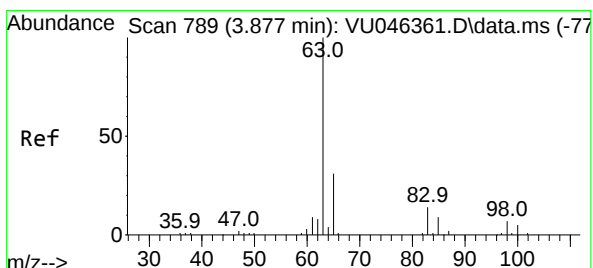
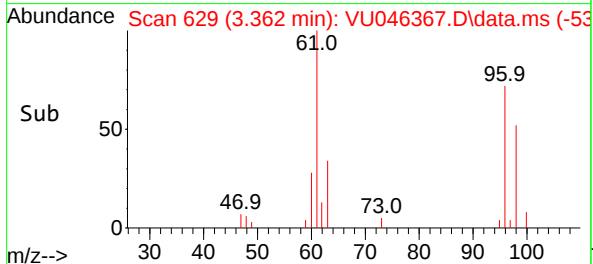
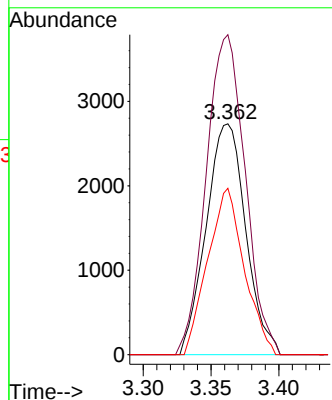
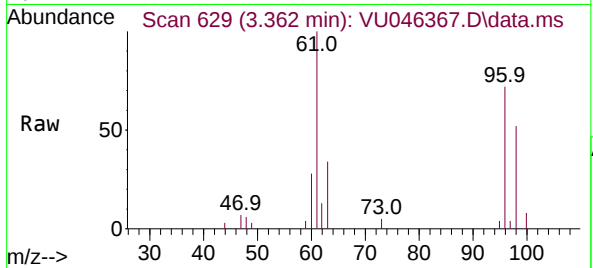




#17
trans-1,2-Dichloroethene
Concen: 5.473 ug/L
RT: 3.362 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU046367.D
Acq: 14 Dec 2021 19:32

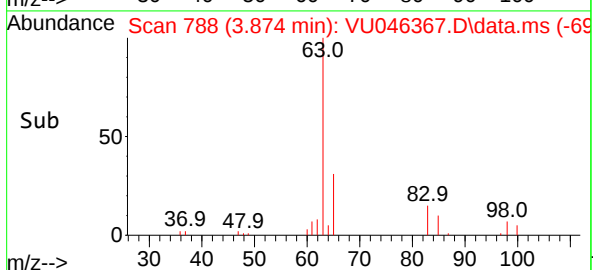
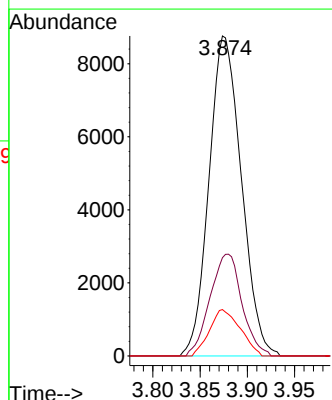
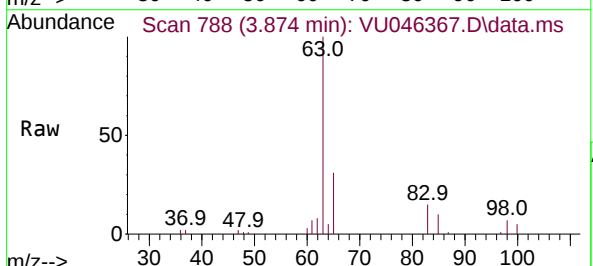
Instrument :
MSVOA_U
ClientSampleId :
EW5R5

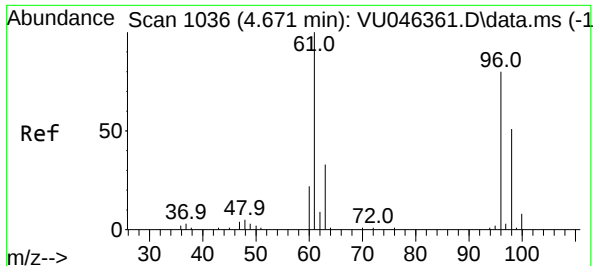
Tgt Ion: 96	Resp:	5564	
Ion	Ratio	Lower	Upper
96	100		
61	138.6	94.6	175.6
98	72.1	44.0	81.8



#19
1,1-Dichloroethane
Concen: 11.284 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU046367.D
Acq: 14 Dec 2021 19:32

Tgt Ion: 63	Resp: 20858
Ion Ratio	Lower Upper
63 100	
65 30.7	22.8 42.4
83 14.5	9.6 17.8

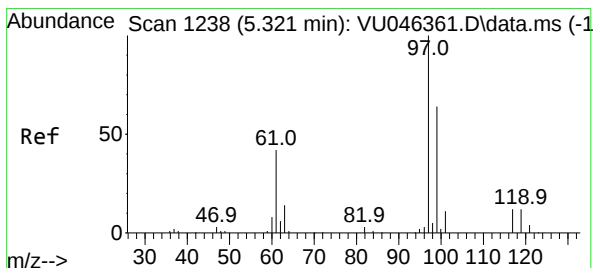
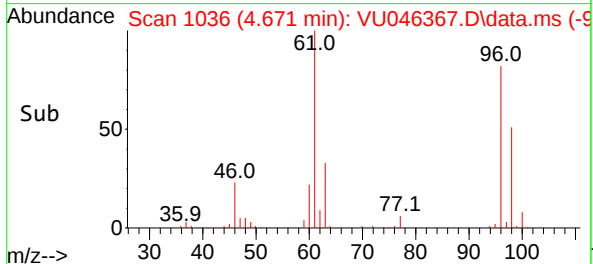
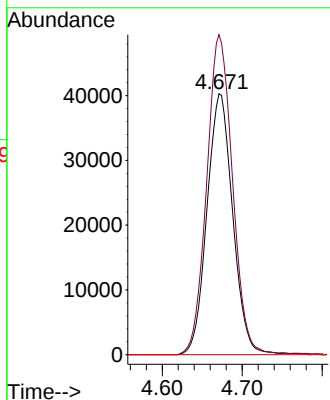
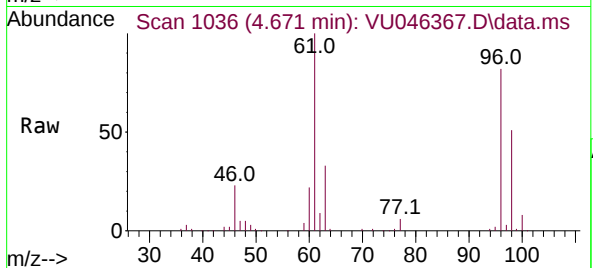




#20
 cis-1,2-Dichloroethene
 Concen: 81.585 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VU046367.D
 Acq: 14 Dec 2021 19:32

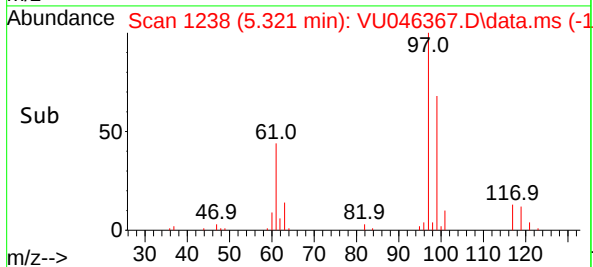
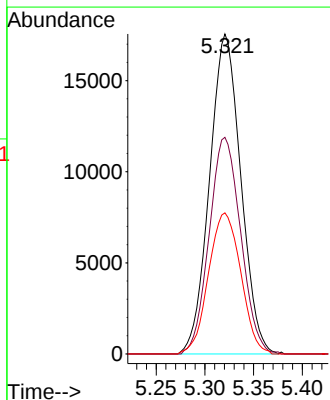
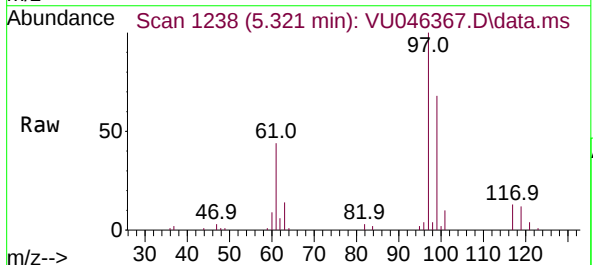
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5R5

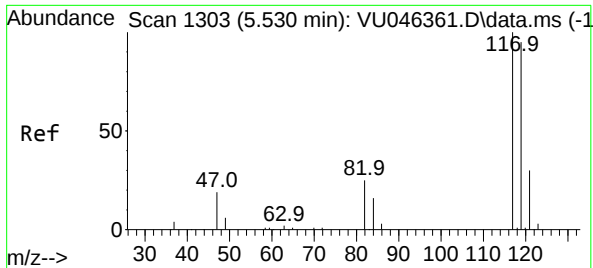
Tgt Ion: 96 Resp: 90000
 Ion Ratio Lower Upper
 96 100
 61 122.6 86.8 161.2
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 22.225 ug/L
 RT: 5.321 min Scan# 1238
 Delta R.T. -0.000 min
 Lab File: VU046367.D
 Acq: 14 Dec 2021 19:32

Tgt Ion: 97 Resp: 39188
 Ion Ratio Lower Upper
 97 100
 99 68.2 51.8 77.6
 61 45.5 34.4 51.6

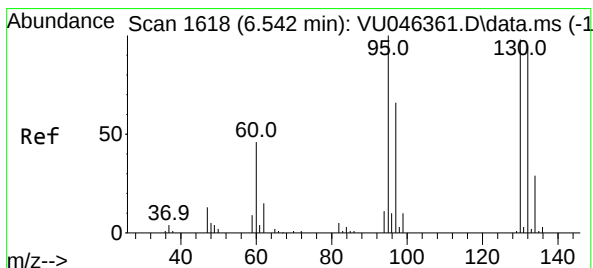
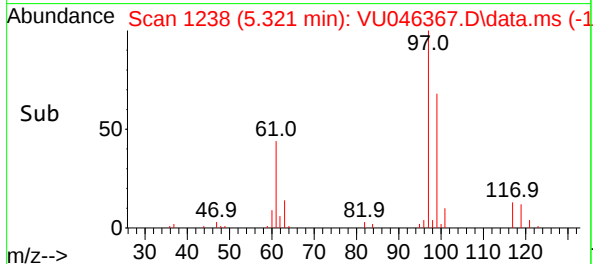
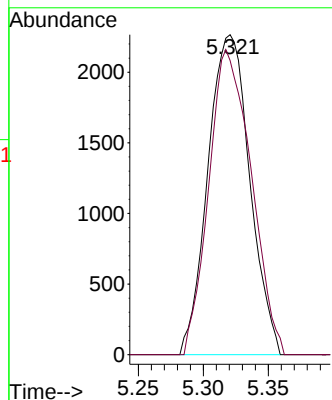
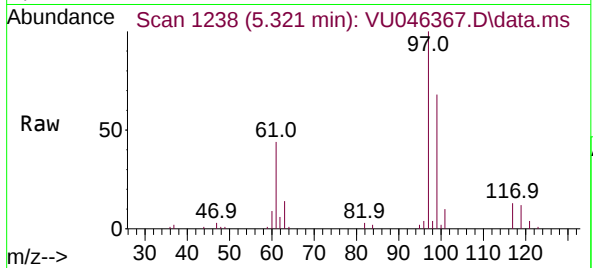




#31
Carbon tetrachloride
Concen: 3.387 ug/L
RT: 5.321 min Scan# 11
Delta R.T. -0.209 min
Lab File: VU046367.D
Acq: 14 Dec 2021 19:32

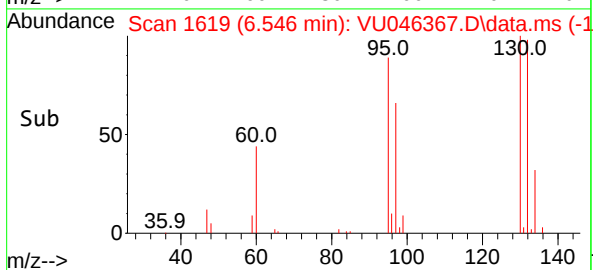
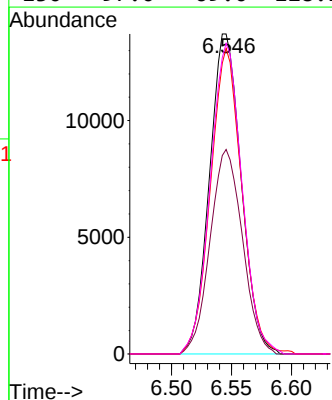
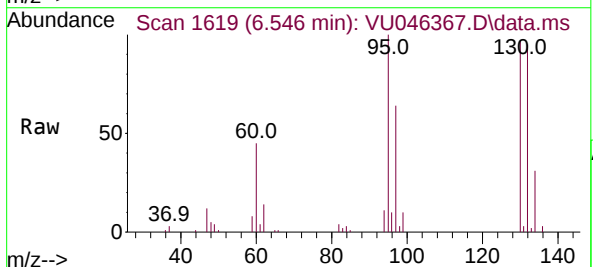
Instrument :
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ClientSampleId :
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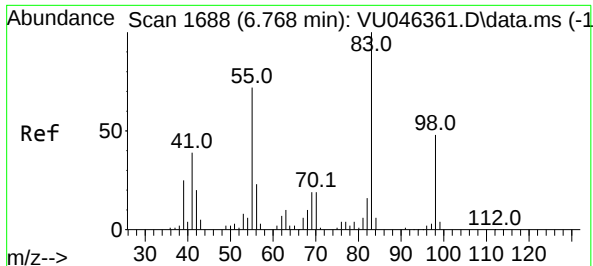
Tgt Ion:117 Resp: 5070
Ion Ratio Lower Upper
117 100
119 96.7 75.7 113.5



#34
Trichloroethene
Concen: 21.992 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.003 min
Lab File: VU046367.D
Acq: 14 Dec 2021 19:32

Tgt Ion: 95 Resp: 25189
Ion Ratio Lower Upper
95 100
97 63.9 44.1 81.9
132 95.5 66.8 124.0
130 97.0 69.0 128.1

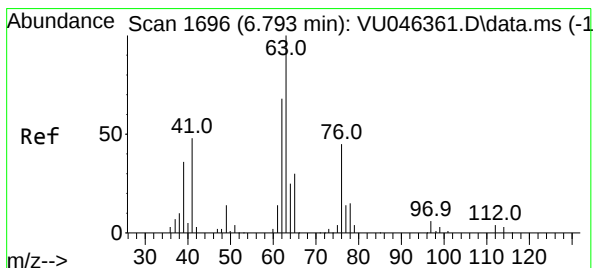
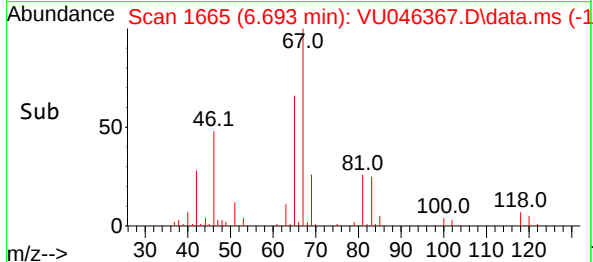
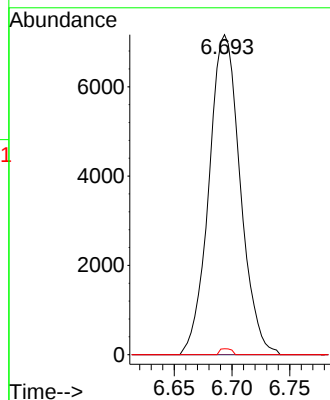
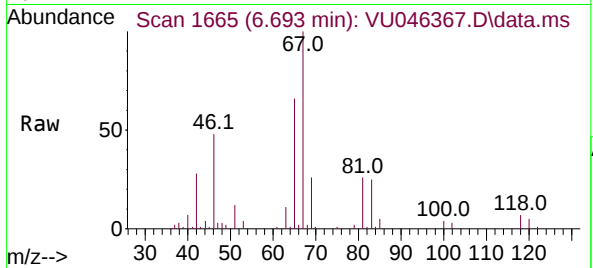




#35
Methylcyclohexane
Concen: 7.622 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046367.D
Acq: 14 Dec 2021 19:32

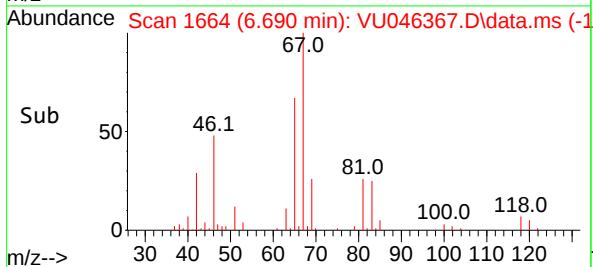
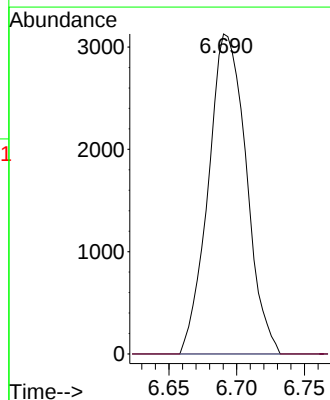
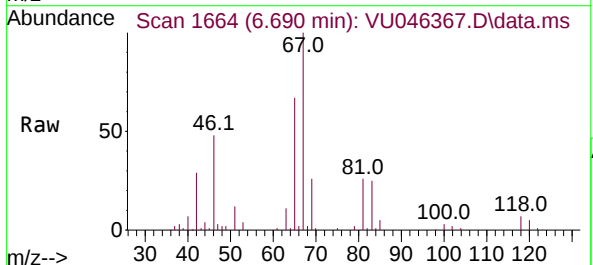
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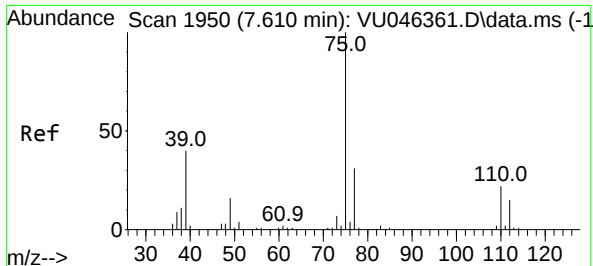
Tgt Ion: 83 Resp: 13536
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 0.7 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 5.339 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.103 min
Lab File: VU046367.D
Acq: 14 Dec 2021 19:32

Tgt Ion: 63 Resp: 6080
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.832 ug/L

RT: 7.571 min Scan# 1950

Delta R.T. -0.039 min

Lab File: VU046367.D

Acq: 14 Dec 2021 19:32

Instrument :

MSVOA_U

ClientSampleId :

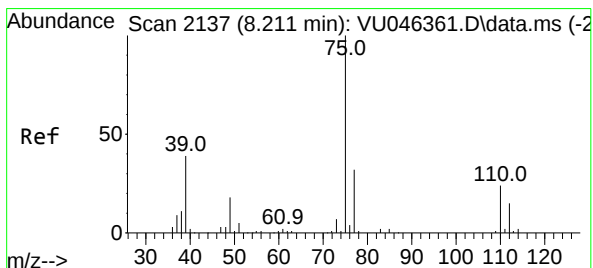
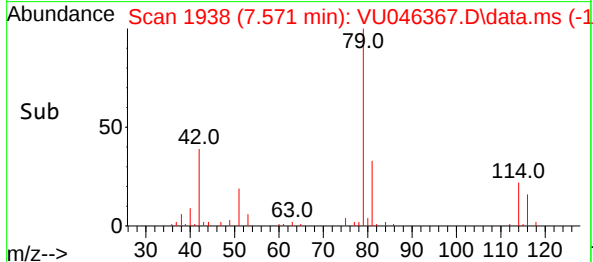
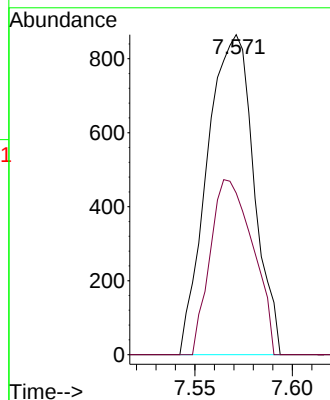
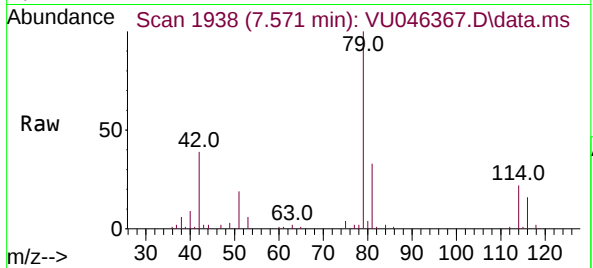
EW5R5

Tgt Ion: 75 Resp: 1442

Ion Ratio Lower Upper

75 100

77 50.5 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.642 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.032 min

Lab File: VU046367.D

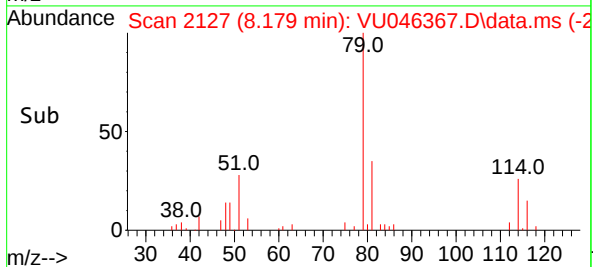
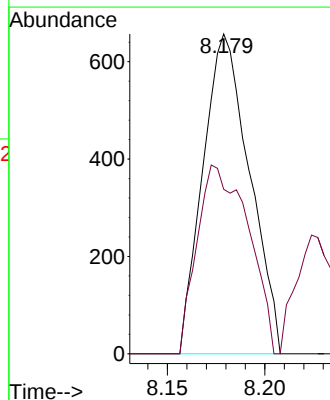
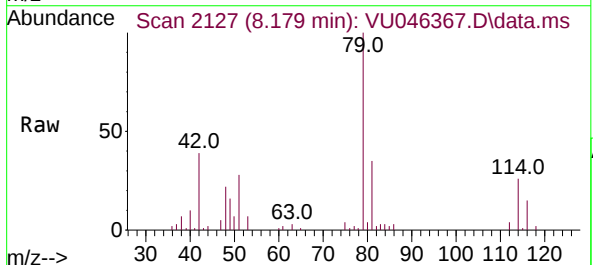
Acq: 14 Dec 2021 19:32

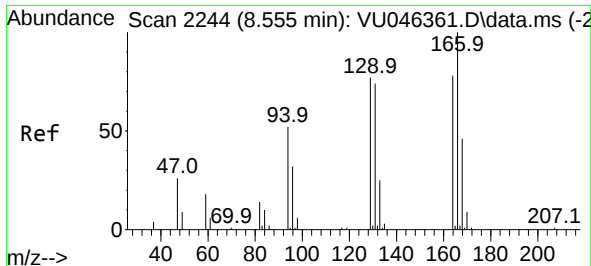
Tgt Ion: 75 Resp: 1092

Ion Ratio Lower Upper

75 100

77 51.4 21.7 40.3#

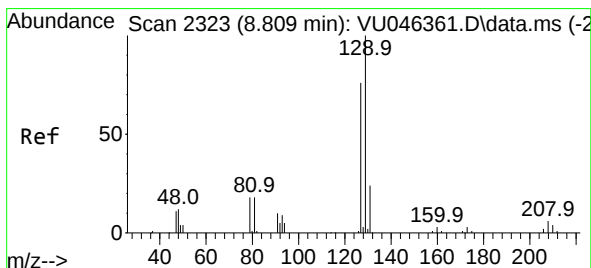
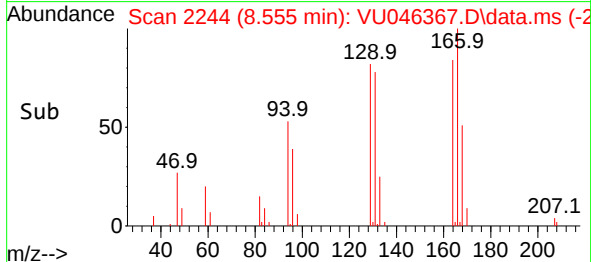
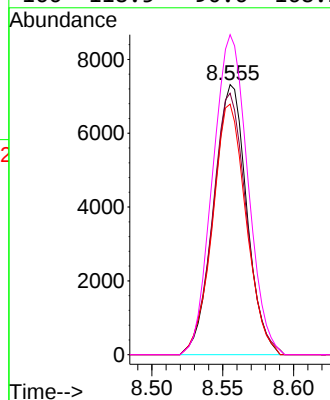
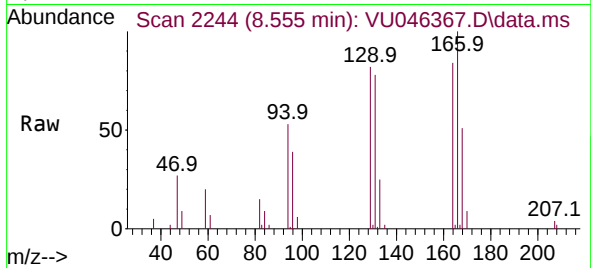




#46
Tetrachloroethene
Concen: 14.152 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046367.D
Acq: 14 Dec 2021 19:32

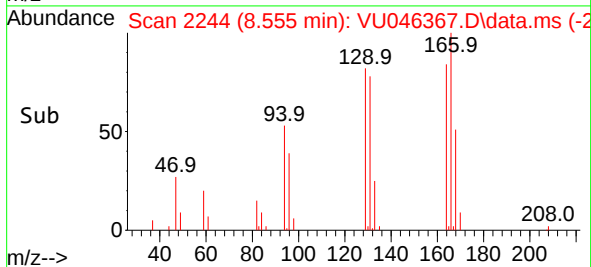
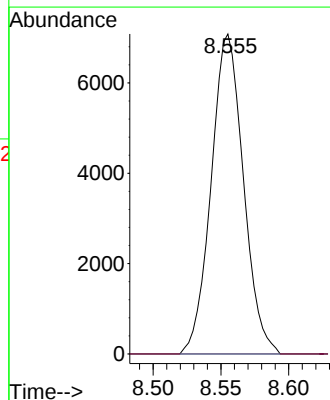
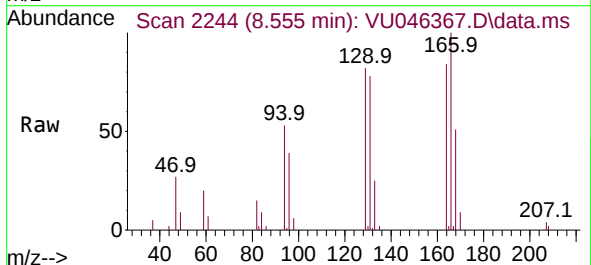
Instrument :
MSVOA_U
ClientSampleId :
EW5R5

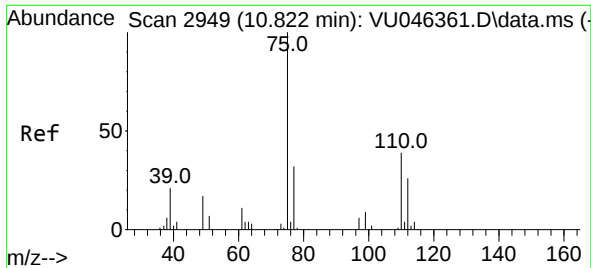
Tgt Ion:164	Resp:	11912
Ion Ratio	Lower	Upper
164	100	
129	96.8	71.1 132.1
131	92.7	67.8 126.0
166	118.5	90.6 168.2



#49
Dibromochloromethane
Concen: 9.774 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.254 min
Lab File: VU046367.D
Acq: 14 Dec 2021 19:32

Tgt Ion:129	Resp:	11728
Ion Ratio	Lower	Upper
129	100	
127	0.0	55.6 103.4#





#60
 1,2,3-Trichloropropane
 Concen: 5.667 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU046367.D
 Acq: 14 Dec 2021 19:32

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5R5

Tgt Ion: 75 Resp: 8755
 Ion Ratio Lower Upper
 75 100
 77 34.1 26.4 39.6
 110 1.4 32.4 48.6#

