

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121721\
 Data File : VU046478.D
 Acq On : 17 Dec 2021 17:34
 Operator : SY/MD
 Sample : M5102-01ME
 Misc : 6.47g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 23:30:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 17 03:50:47 2021
 Response via : Initial Calibration

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

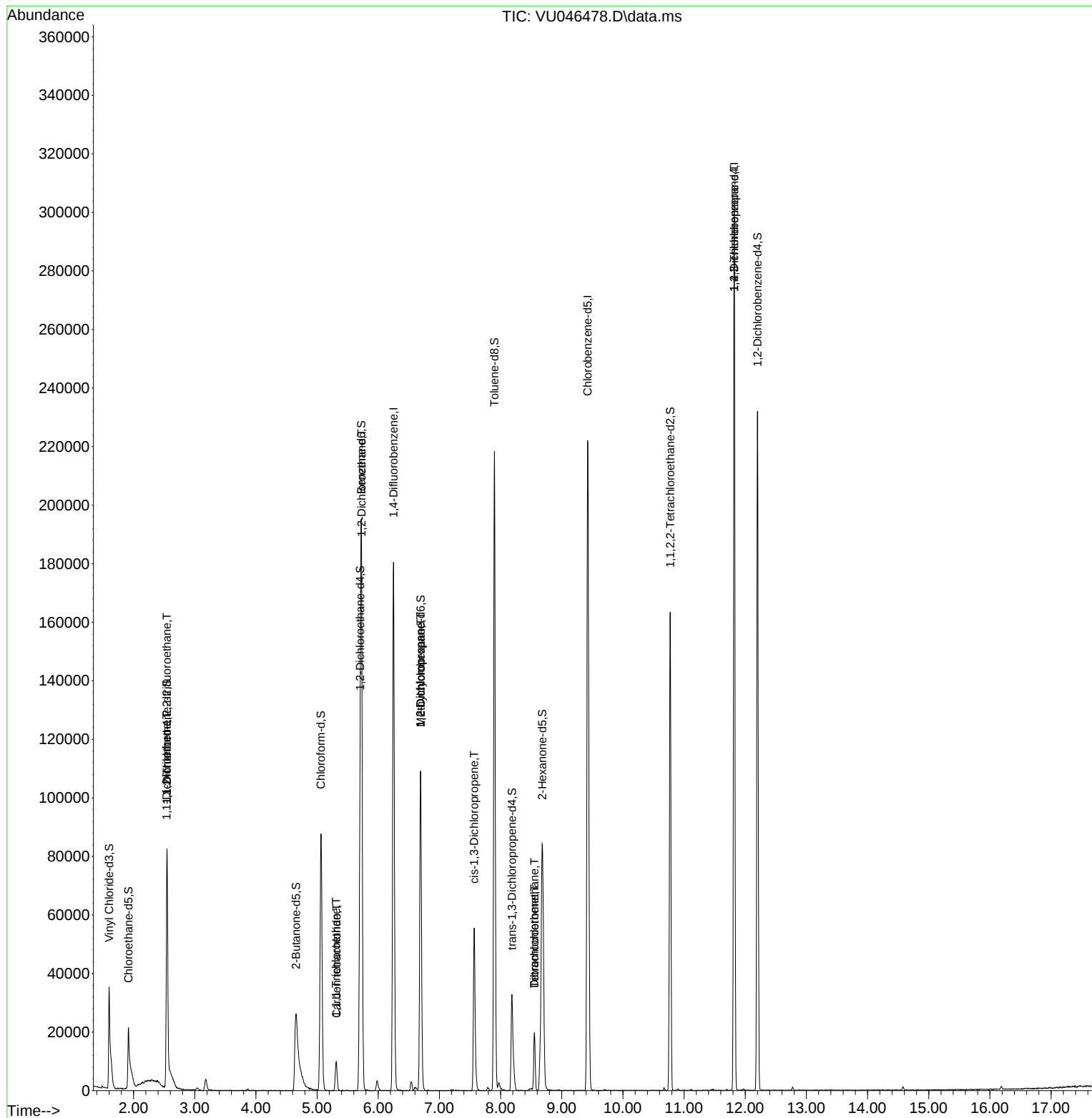
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	152042	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	157991	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	77997	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	43791	34.964	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.920%
7) Chloroethane-d5	1.916	69	31364	32.616	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	65.240%#
11) 1,1-Dichloroethene-d2	2.546	63	57081	25.388	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	50.780%#
21) 2-Butanone-d5	4.658	46	69016	69.319	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	69.320%
24) Chloroform-d	5.063	84	87105	41.647	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.300%
26) 1,2-Dichloroethane-d4	5.703	65	59944	42.706	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.420%
32) Benzene-d6	5.726	84	169267	37.380	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.760%
36) 1,2-Dichloropropane-d6	6.693	67	54074	38.531	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	77.060%
41) Toluene-d8	7.899	98	148601	36.042	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.080%#
43) trans-1,3-Dichloroprop...	8.185	79	26983	39.829	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.660%
47) 2-Hexanone-d5	8.681	63	52860	79.441	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.440%
56) 1,1,2,2-Tetrachloroeth...	10.774	84	81628	38.353	ug/L	0.02
Spiked Amount	50.000	Range	65 - 120	Recovery	=	76.700%
66) 1,2-Dichlorobenzene-d4	12.201	152	59461	39.586	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.180%#
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.546	101	416	0.376	ug/L #	21
12) 1,1-Dichloroethene	2.543	96	407	0.387	ug/L #	1
27) 1,2-Dichloroethane	5.729	62	1028	0.616	ug/L #	73
30) 1,1,1-Trichloroethane	5.311	97	8056	4.154	ug/L	97
31) Carbon tetrachloride	5.317	117	827	0.502	ug/L	90
35) Methylcyclohexane	6.693	83	13408	6.864	ug/L #	20
37) 1,2-Dichloropropane	6.690	63	6177	4.931	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1600	0.840	ug/L #	71
46) Tetrachloroethene	8.552	164	4463	4.821	ug/L	96
49) Dibromochloromethane	8.552	129	4020	3.046	ug/L #	10
60) 1,2,3-Trichloropropane	11.819	75	9394	5.494	ug/L #	65

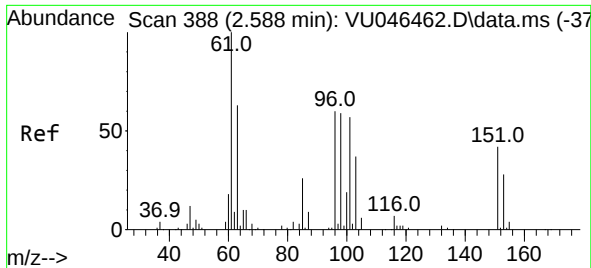
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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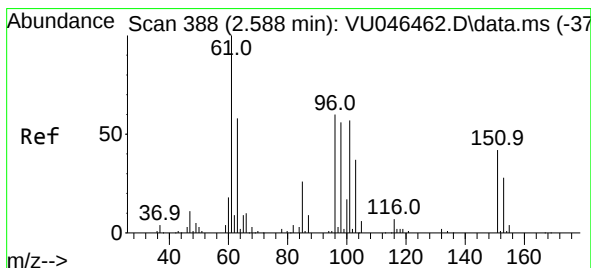
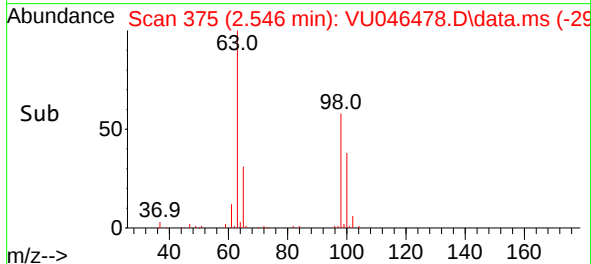
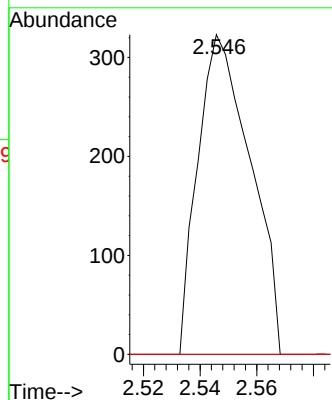
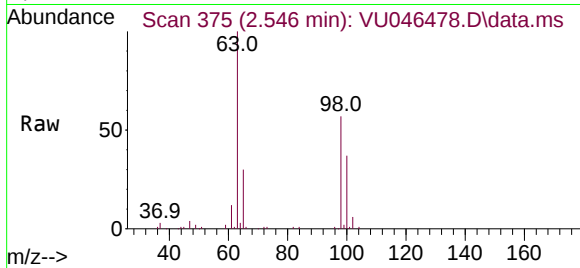




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.376 ug/L
 RT: 2.546 min Scan# 31
 Delta R.T. -0.042 min
 Lab File: VU046478.D
 Acq: 17 Dec 2021 17:34

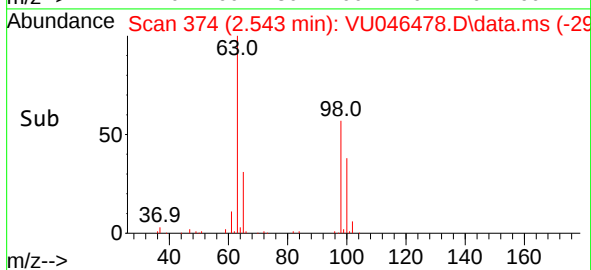
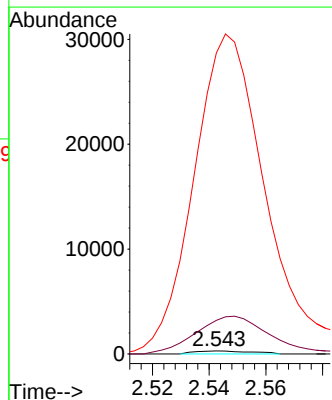
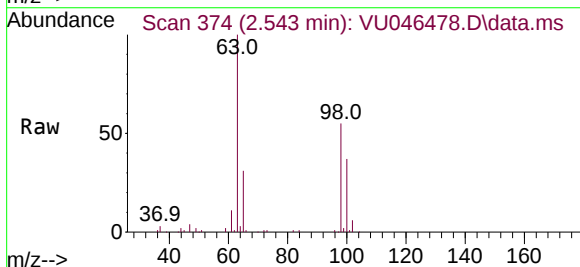
Instrument :
 MSVOA_U
 ClientSampleId :

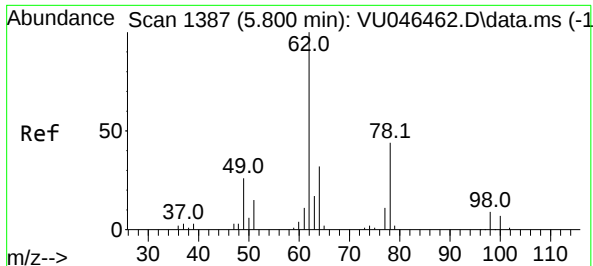
Tgt Ion:101 Resp: 416
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 0.387 ug/L
 RT: 2.543 min Scan# 374
 Delta R.T. -0.042 min
 Lab File: VU046478.D
 Acq: 17 Dec 2021 17:34

Tgt Ion: 96 Resp: 407
 Ion Ratio Lower Upper
 96 100
 61 1118.8 118.6 220.2#
 63 10001.4 93.0 172.8#





#27

1,2-Dichloroethane

Concen: 0.616 ug/L

RT: 5.729 min Scan# 11

Delta R.T. -0.068 min

Lab File: VU046478.D

Acq: 17 Dec 2021 17:34

Instrument :

MSVOA_U

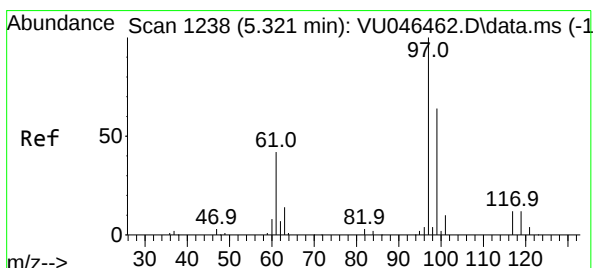
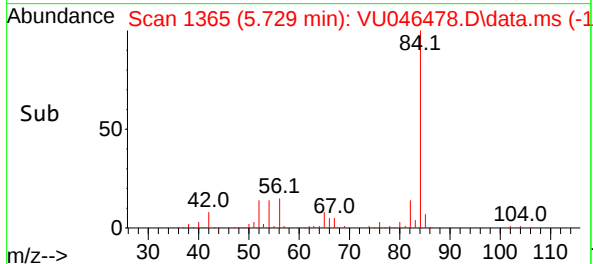
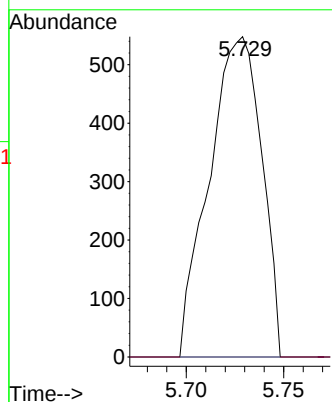
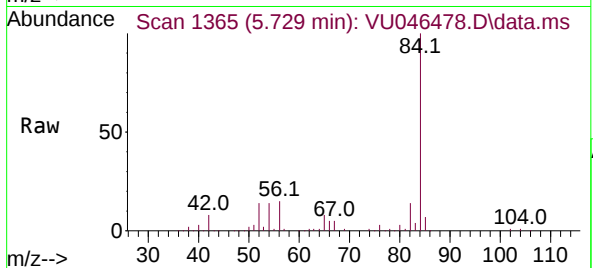
ClientSampleId :

Tgt Ion: 62 Resp: 1028

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#



#30

1,1,1-Trichloroethane

Concen: 4.154 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.010 min

Lab File: VU046478.D

Acq: 17 Dec 2021 17:34

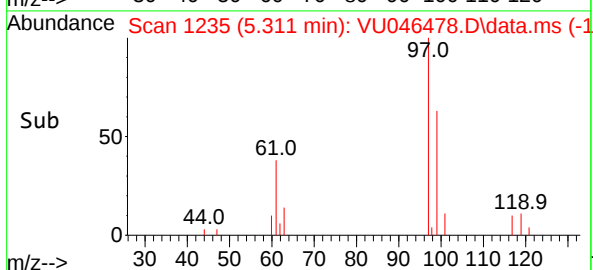
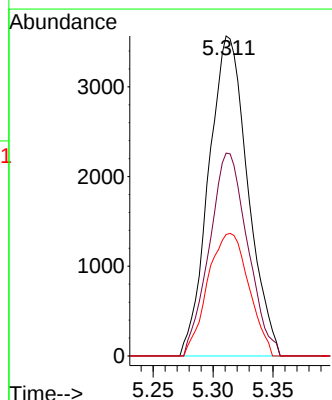
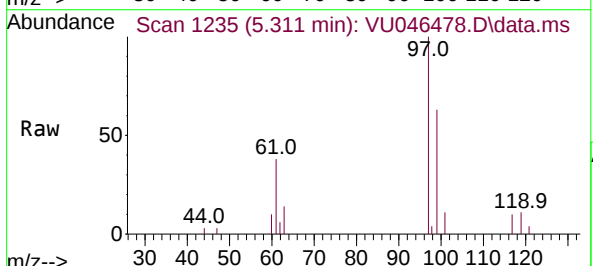
Tgt Ion: 97 Resp: 8056

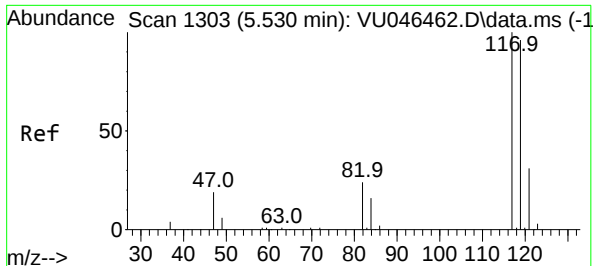
Ion Ratio Lower Upper

97 100

99 62.3 51.8 77.6

61 40.3 34.4 51.6

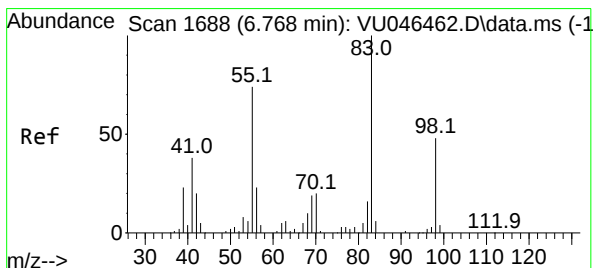
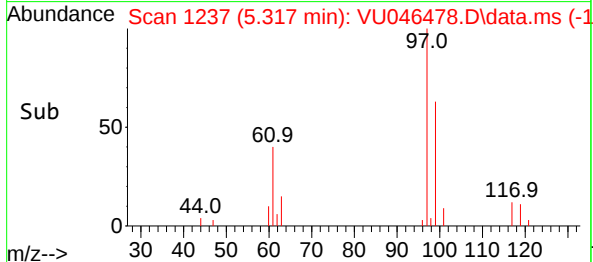
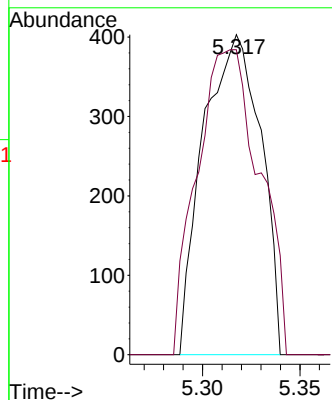
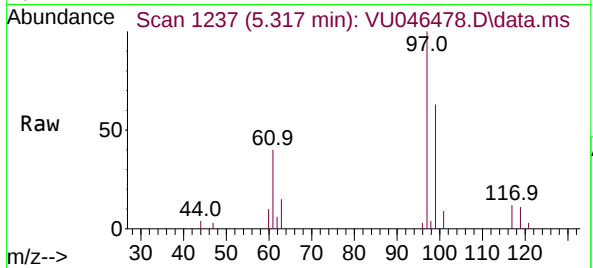




#31
Carbon tetrachloride
Concen: 0.502 ug/L
RT: 5.317 min Scan# 11
Delta R.T. -0.212 min
Lab File: VU046478.D
Acq: 17 Dec 2021 17:34

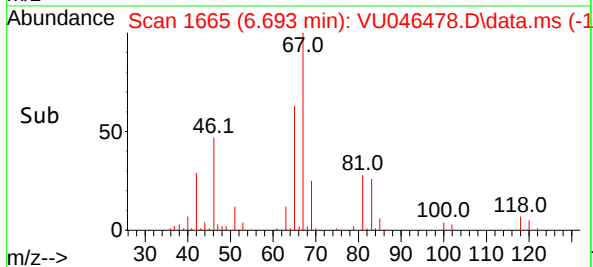
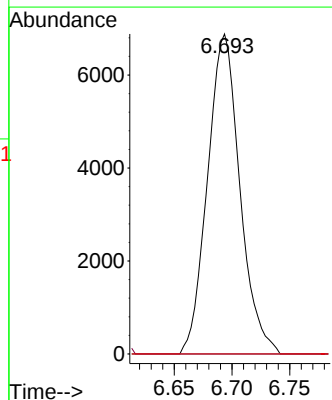
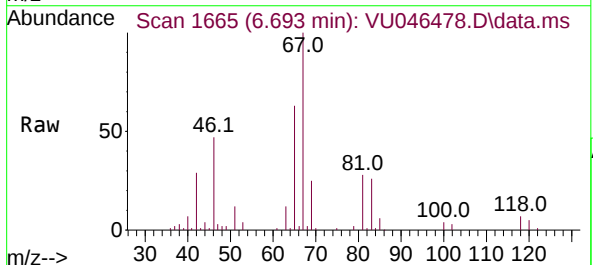
Instrument :
MSVOA_U
ClientSampleId :

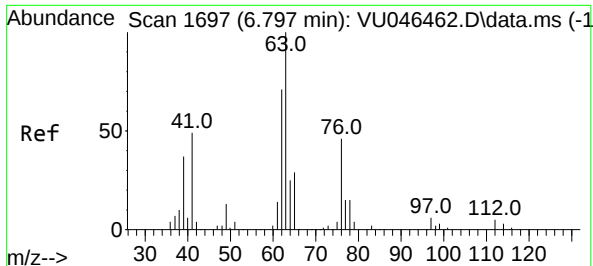
Tgt Ion:117 Resp: 827
Ion Ratio Lower Upper
117 100
119 104.0 75.7 113.5



#35
Methylcyclohexane
Concen: 6.864 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046478.D
Acq: 17 Dec 2021 17:34

Tgt Ion: 83 Resp: 13408
Ion Ratio Lower Upper
83 100
55 0.5 57.8 86.6#
98 0.0 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 4.931 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046478.D

Acq: 17 Dec 2021 17:34

Instrument :

MSVOA_U

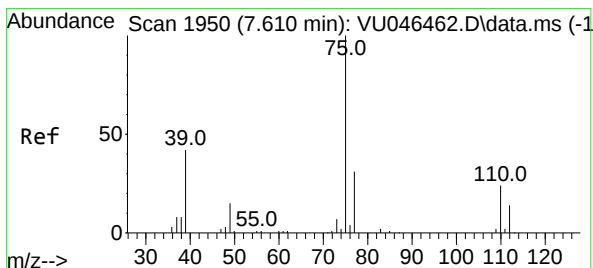
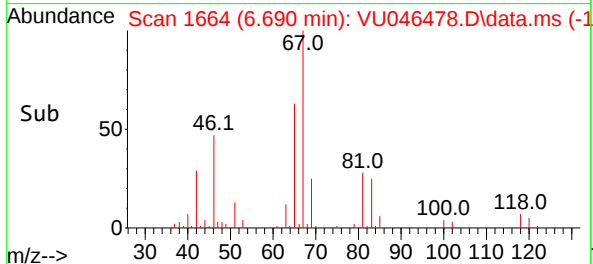
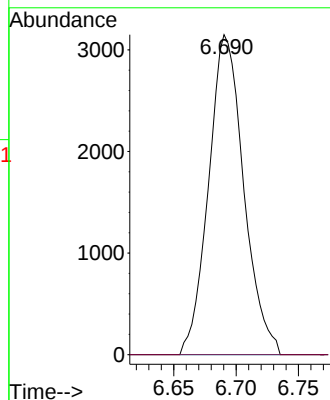
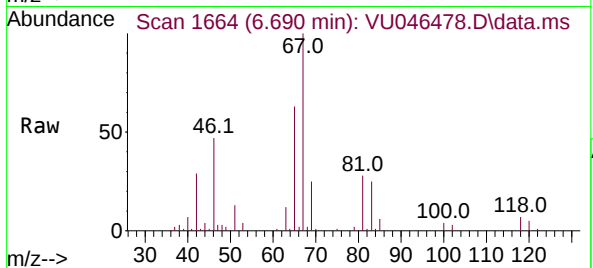
ClientSampleId :

Tgt Ion: 63 Resp: 6177

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.840 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046478.D

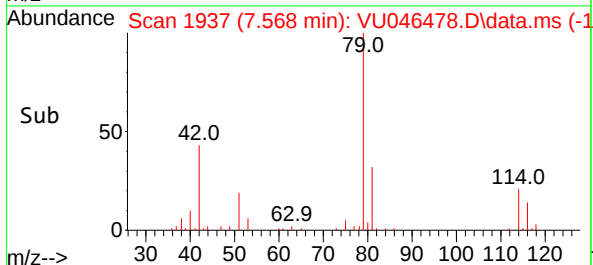
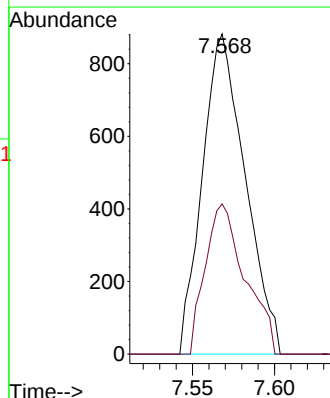
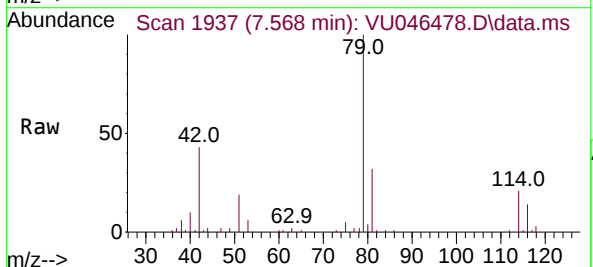
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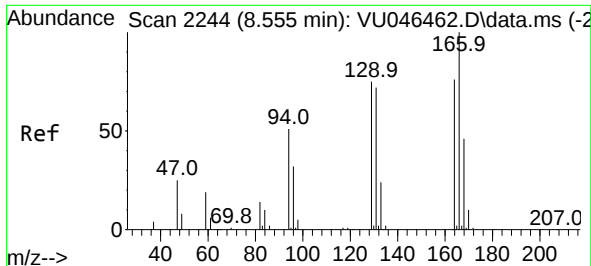
Tgt Ion: 75 Resp: 1600

Ion Ratio Lower Upper

75 100

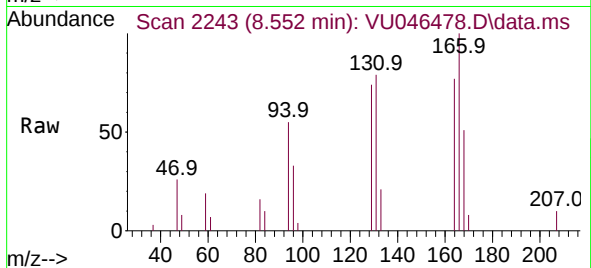
77 46.9 21.8 40.6#



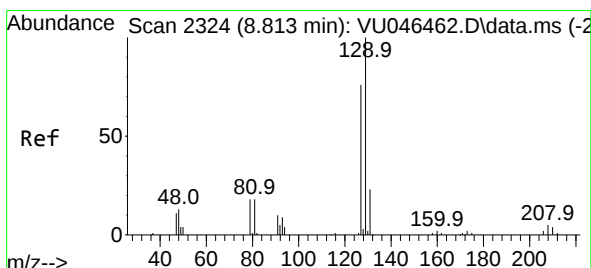
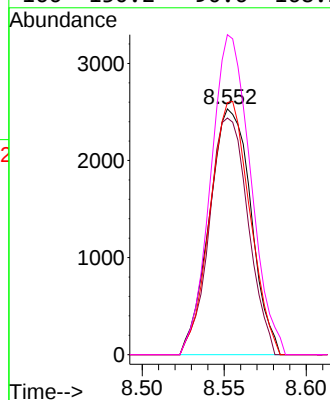
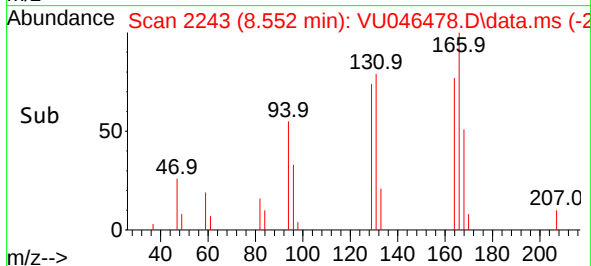


#46
Tetrachloroethene
Concen: 4.821 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU046478.D
Acq: 17 Dec 2021 17:34

Instrument :
MSVOA_U
ClientSampleId :

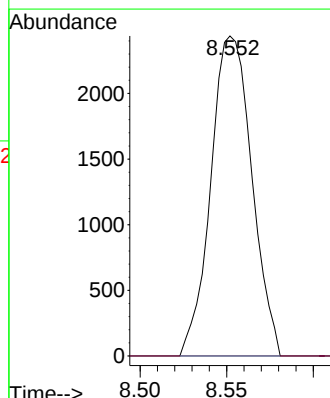
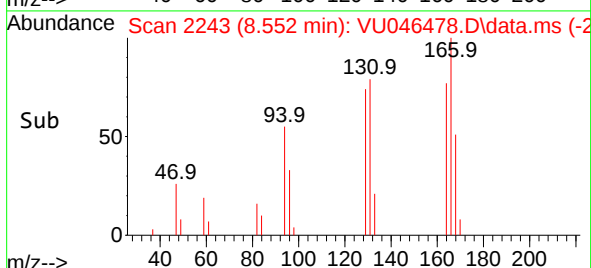
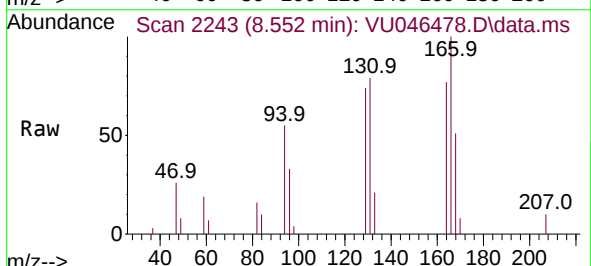


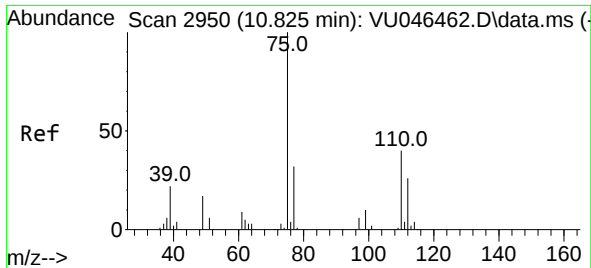
Tgt Ion:164 Resp: 4463
Ion Ratio Lower Upper
164 100
129 96.3 71.1 132.1
131 102.6 67.8 126.0
166 130.2 90.6 168.2



#49
Dibromochloromethane
Concen: 3.046 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.260 min
Lab File: VU046478.D
Acq: 17 Dec 2021 17:34

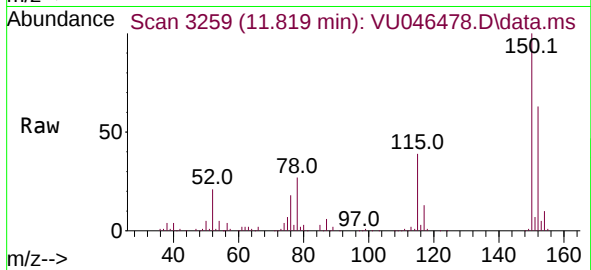
Tgt Ion:129 Resp: 4020
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#





#60
 1,2,3-Trichloropropane
 Concen: 5.494 ug/L
 RT: 11.819 min Scan# 31
 Delta R.T. 0.994 min
 Lab File: VU046478.D
 Acq: 17 Dec 2021 17:34

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 9394
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.4 39.6
 110 1.9 32.4 48.6#

