

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121921\
 Data File : VU046494.D
 Acq On : 19 Dec 2021 15:01
 Operator : SY/MD
 Sample : M5062-13DL 20X
 Misc : 6.12g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 20 00:27:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 20 00:25:10 2021
 Response via : Initial Calibration

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

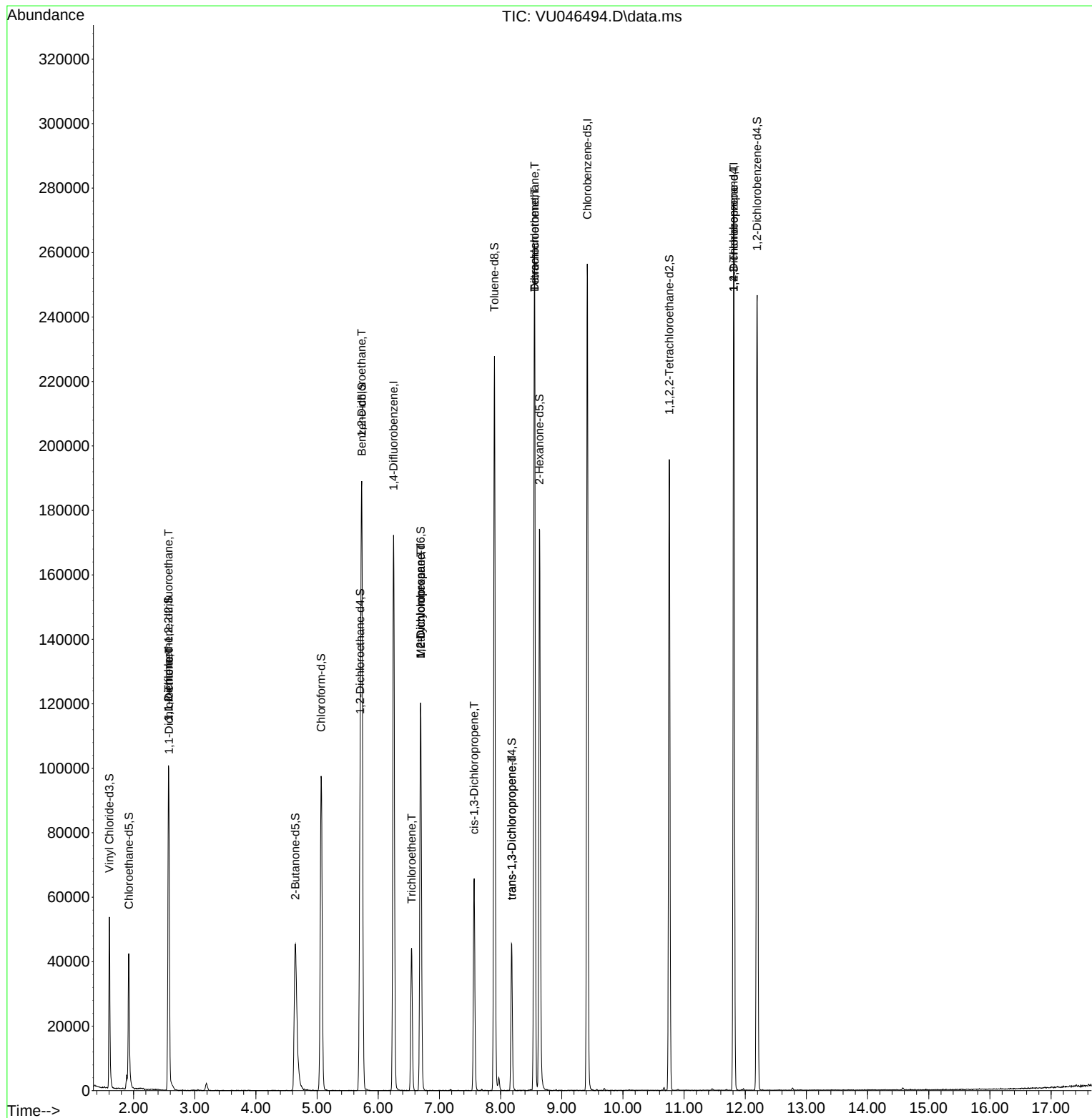
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	141323	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	142693	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	71253	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	42165	36.220	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.440%
7) Chloroethane-d5	1.922	69	35951	40.222	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.440%
11) 1,1-Dichloroethene-d2	2.571	63	60961	29.170	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.340%#
21) 2-Butanone-d5	4.645	46	89433	96.638	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.640%
24) Chloroform-d	5.067	84	92606	47.635	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.280%
26) 1,2-Dichloroethane-d4	5.703	65	62786	48.123	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.240%
32) Benzene-d6	5.732	84	174661	42.706	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.420%
36) 1,2-Dichloropropane-d6	6.693	67	56522	44.593	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.180%
41) Toluene-d8	7.899	98	148190	39.796	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.600%#
43) trans-1,3-Dichloroprop...	8.182	79	26760	43.735	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.460%
47) 2-Hexanone-d5	8.636	63	66785	111.128	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.130%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	92924	48.342	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.680%
66) 1,2-Dichlorobenzene-d4	12.195	152	63368	46.180	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.360%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	445	0.433	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	758	0.776	ug/L #	1
27) 1,2-Dichloroethane	5.729	62	1063	0.686	ug/L #	73
34) Trichloroethene	6.546	95	15078	13.252	ug/L	97
35) Methylcyclohexane	6.693	83	13861	7.857	ug/L #	20
37) 1,2-Dichloropropane	6.693	63	6367	5.628	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1708	0.992	ug/L #	81
44) trans-1,3-Dichloropropene	8.182	75	1196	0.708	ug/L	97
46) Tetrachloroethene	8.555	164	56969	68.136	ug/L	98
49) Dibromochloromethane	8.555	129	55676	46.712	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	8642	5.533	ug/L #	65

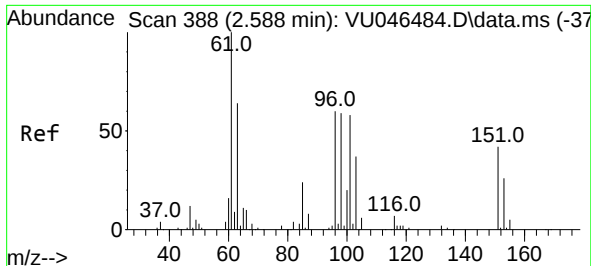
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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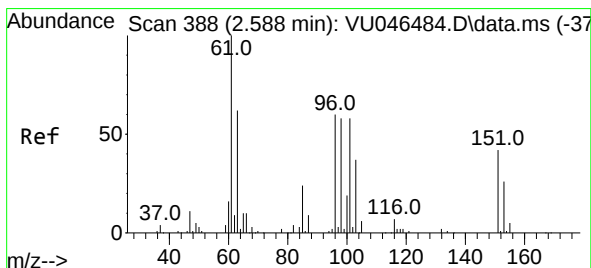
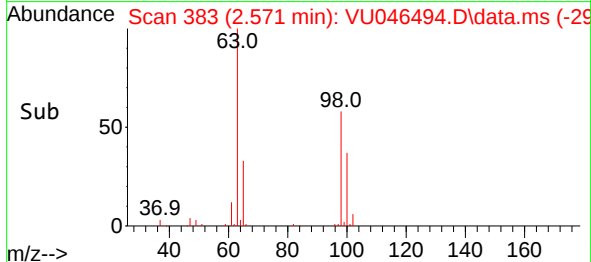
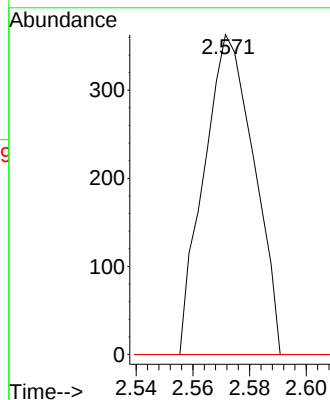
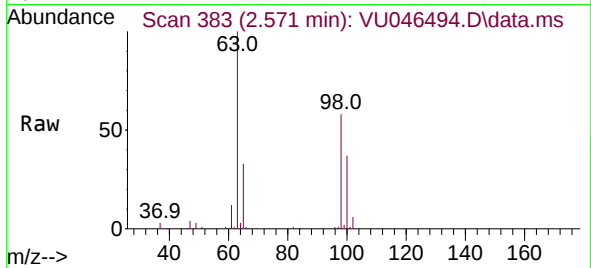




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.433 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU046494.D
Acq: 19 Dec 2021 15:01

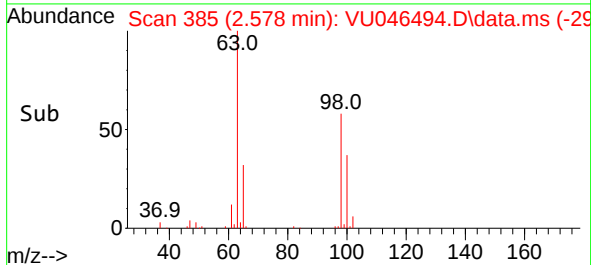
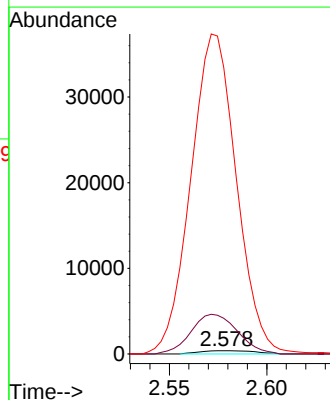
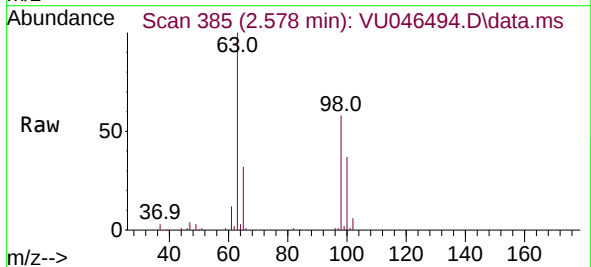
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MSVOA_U
ClientSampleId :

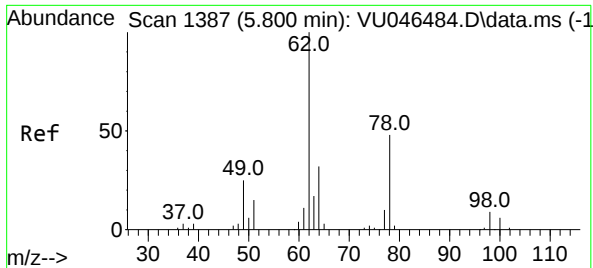
Tgt Ion:101 Resp: 445
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 0.776 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.010 min
Lab File: VU046494.D
Acq: 19 Dec 2021 15:01

Tgt Ion: 96 Resp: 758
Ion Ratio Lower Upper
96 100
61 1089.8 118.6 220.2#
63 8741.5 93.0 172.8#





#27

1,2-Dichloroethane

Concen: 0.686 ug/L

RT: 5.729 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU046494.D

Acq: 19 Dec 2021 15:01

Instrument :

MSVOA_U

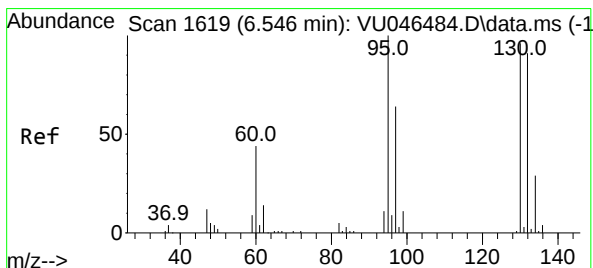
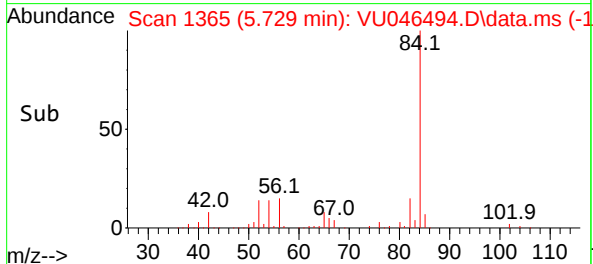
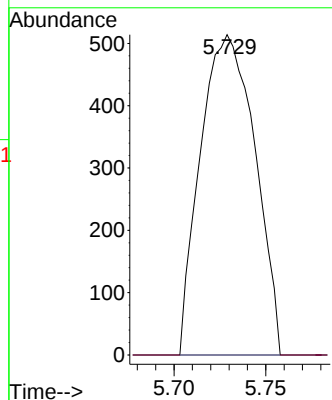
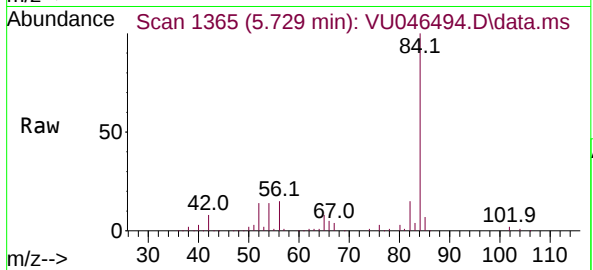
ClientSampleId :

Tgt Ion: 62 Resp: 1063

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#



#34

Trichloroethene

Concen: 13.252 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VU046494.D

Acq: 19 Dec 2021 15:01

Tgt Ion: 95 Resp: 15078

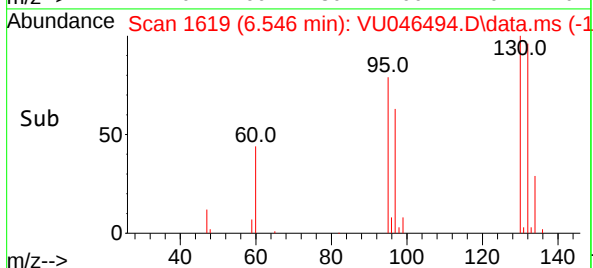
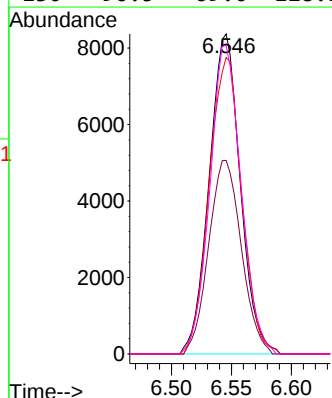
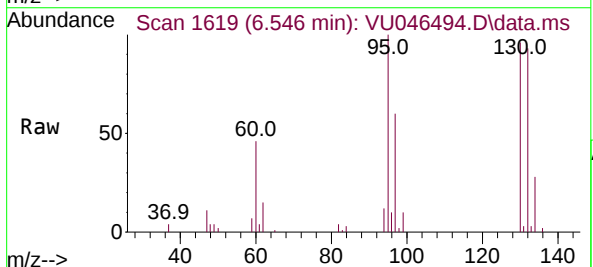
Ion Ratio Lower Upper

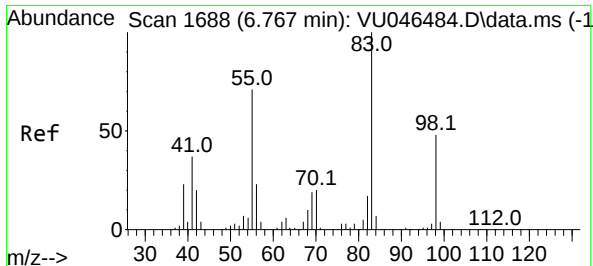
95 100

97 60.5 44.1 81.9

132 92.6 66.8 124.0

130 96.5 69.0 128.1

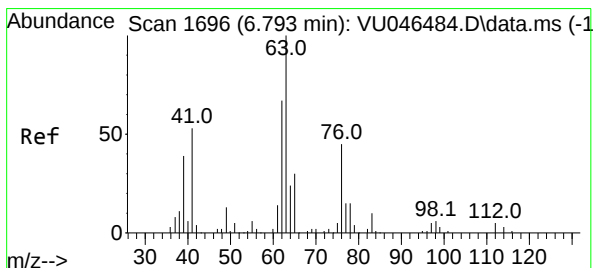
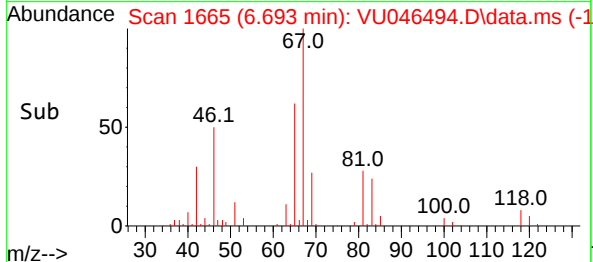
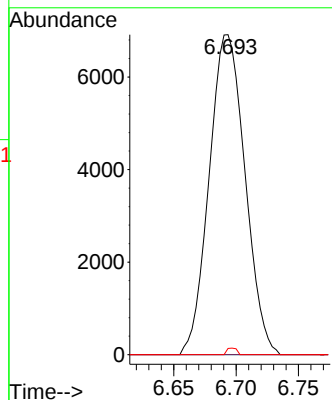
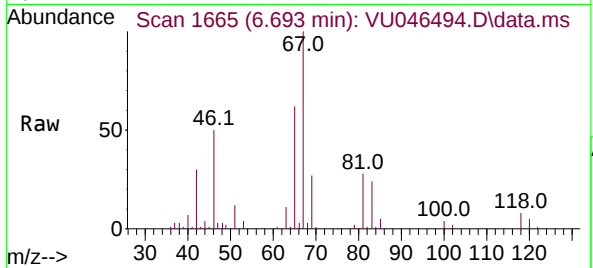




#35
Methylcyclohexane
Concen: 7.857 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046494.D
Acq: 19 Dec 2021 15:01

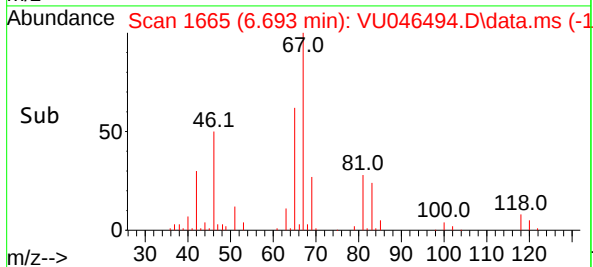
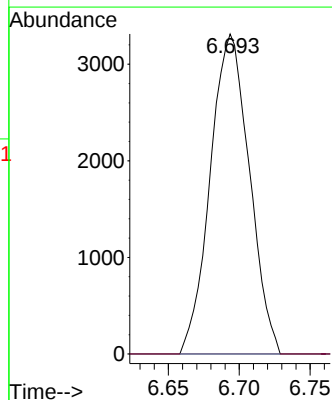
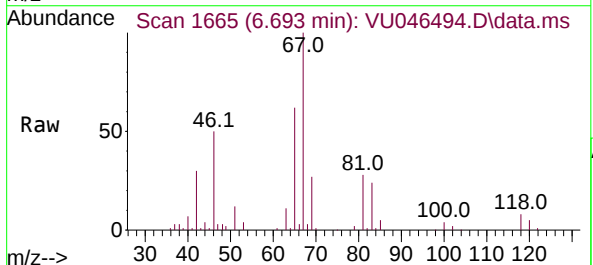
Instrument :
MSVOA_U
ClientSampleId :

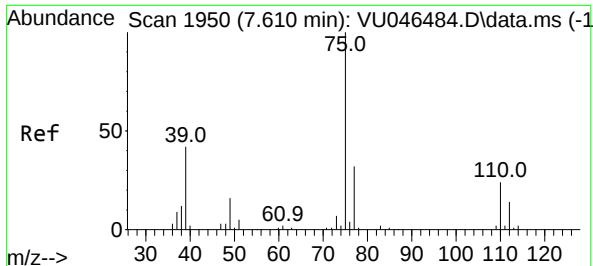
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.0	57.8	86.6#
98	0.6	38.4	57.6#



#37
1,2-Dichloropropane
Concen: 5.628 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU046494.D
Acq: 19 Dec 2021 15:01

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





#39

cis-1,3-Dichloropropene

Concen: 0.992 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046494.D

Acq: 19 Dec 2021 15:01

Instrument :

MSVOA_U

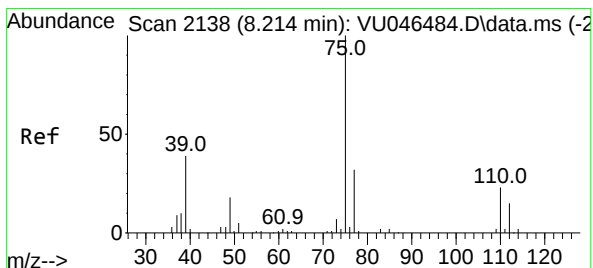
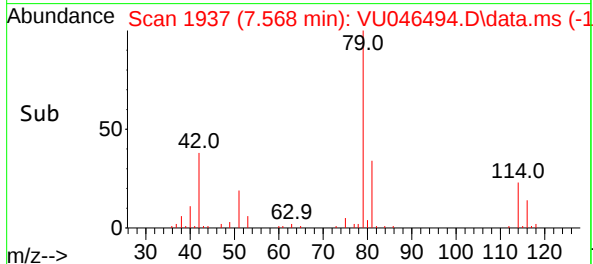
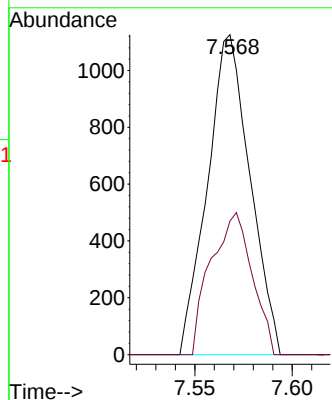
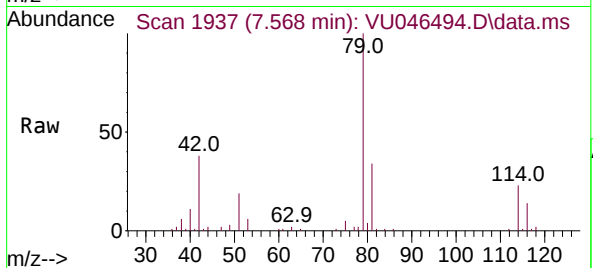
ClientSampleId :

Tgt Ion: 75 Resp: 1708

Ion Ratio Lower Upper

75 100

77 41.7 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.708 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.032 min

Lab File: VU046494.D

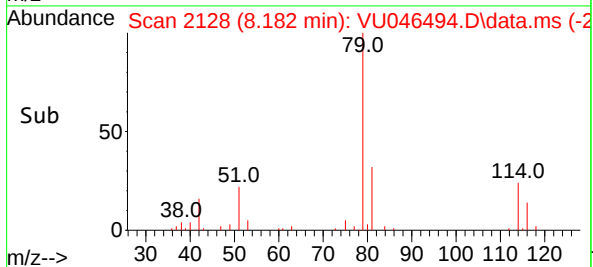
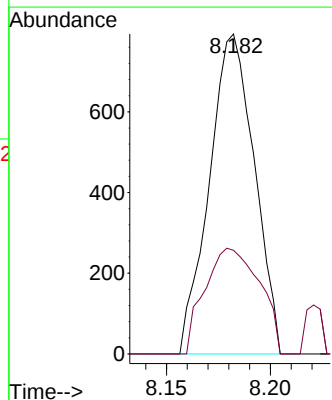
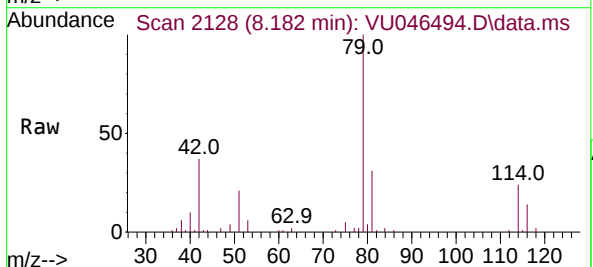
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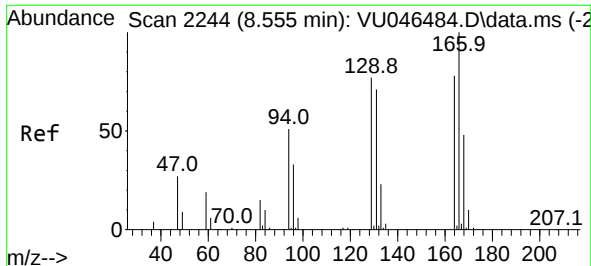
Tgt Ion: 75 Resp: 1196

Ion Ratio Lower Upper

75 100

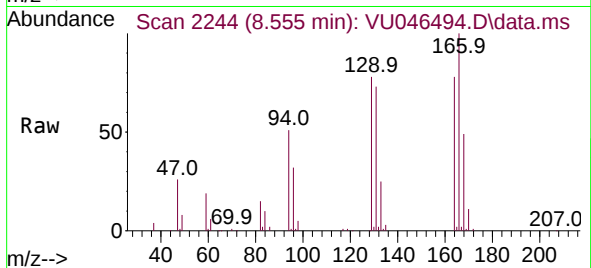
77 32.4 21.7 40.3



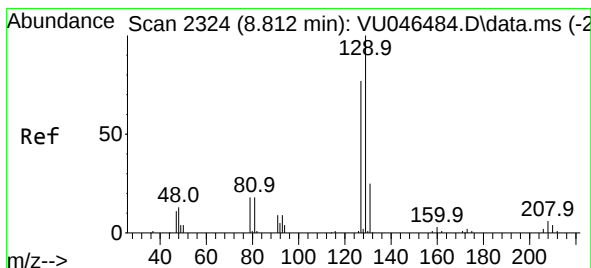
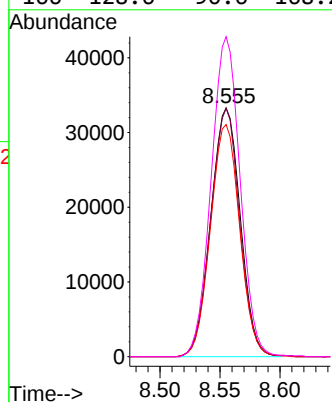
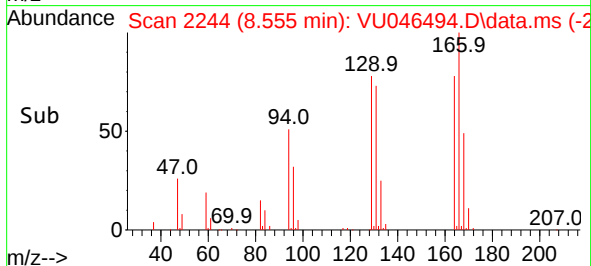


#46
Tetrachloroethene
Concen: 68.136 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046494.D
Acq: 19 Dec 2021 15:01

Instrument :
MSVOA_U
ClientSampleId :

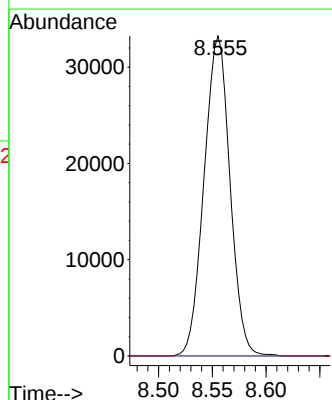
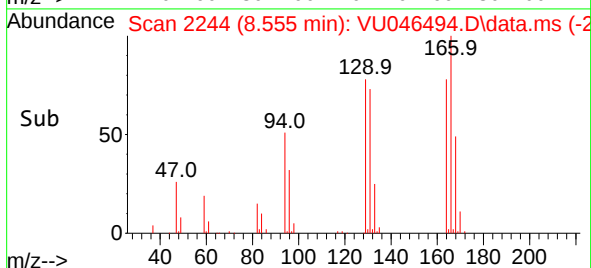
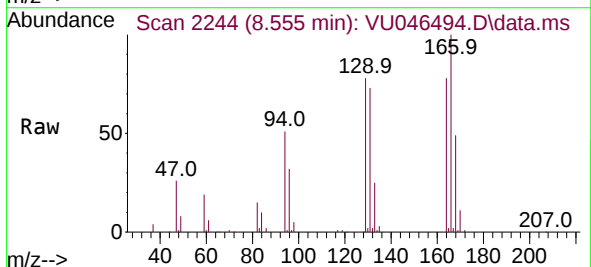


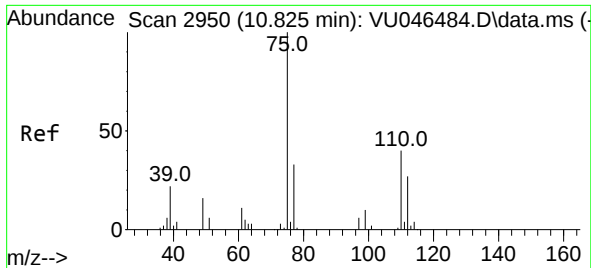
Tgt Ion:164 Resp: 56969
Ion Ratio Lower Upper
164 100
129 99.8 71.1 132.1
131 93.3 67.8 126.0
166 128.6 90.6 168.2



#49
Dibromochloromethane
Concen: 46.712 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU046494.D
Acq: 19 Dec 2021 15:01

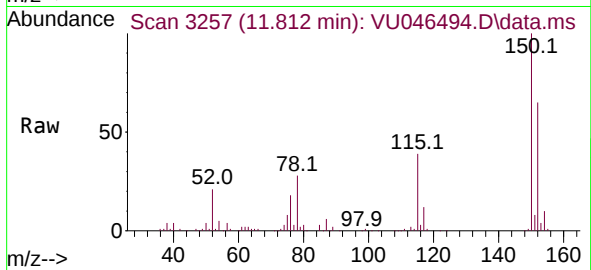
Tgt Ion:129 Resp: 55676
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#





#60
 1,2,3-Trichloropropane
 Concen: 5.533 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU046494.D
 Acq: 19 Dec 2021 15:01

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 8642
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.4 39.6
 110 1.6 32.4 48.6#

