

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120321\
 Data File : VU046074.D
 Acq On : 03 Dec 2021 15:25
 Operator : SY/MD
 Sample : M4869-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 04 03:07:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

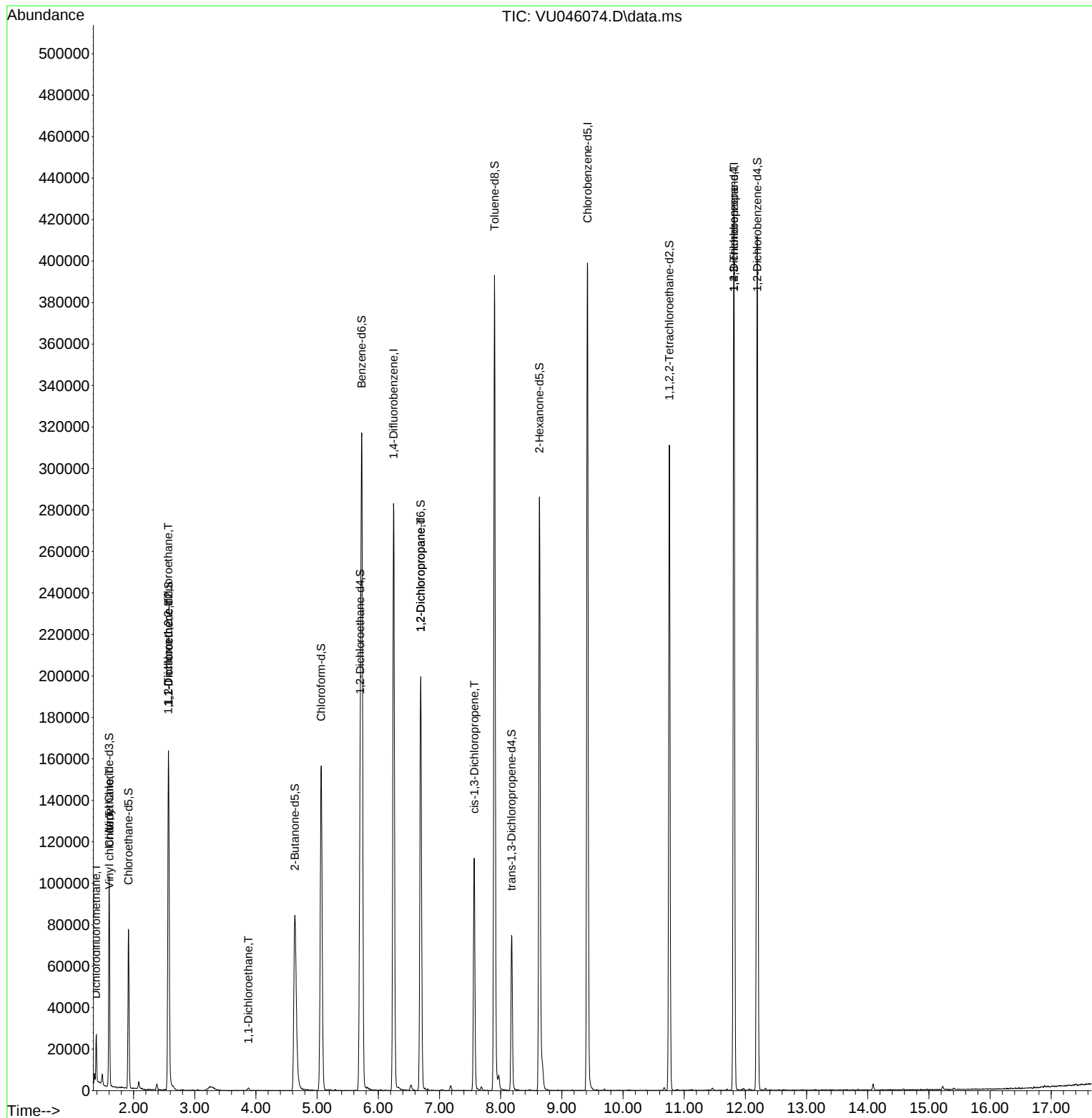
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	234763	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	230006	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	115331	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	65229	33.730	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.460%
7) Chloroethane-d5	1.916	69	54930	36.995	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.980%
11) 1,1-Dichloroethene-d2	2.572	63	98235	28.297	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.600%#
21) 2-Butanone-d5	4.636	46	150014	97.581	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.580%
24) Chloroform-d	5.067	84	146180	45.265	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.520%
26) 1,2-Dichloroethane-d4	5.703	65	97916	45.178	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.360%
32) Benzene-d6	5.729	84	298779	45.322	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.640%
36) 1,2-Dichloropropane-d6	6.694	67	96395	47.181	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.360%
41) Toluene-d8	7.899	98	265310	44.201	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.400%
43) trans-1,3-Dichloroprop...	8.179	79	43360	43.964	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.920%
47) 2-Hexanone-d5	8.633	63	105319	108.721	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.720%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	149512	48.254	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.500%
66) 1,2-Dichlorobenzene-d4	12.195	152	108842	49.004	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	5283	2.068	ug/L	97
5) Vinyl chloride	1.607	62	6293	2.732	ug/L	87
8) Chloroethane	1.604	64	2600	1.949	ug/L #	38
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	824	0.482	ug/L #	21
12) 1,1-Dichloroethene	2.572	96	771	0.475	ug/L #	1
19) 1,1-Dichloroethane	3.877	63	1654	0.530	ug/L #	91
37) 1,2-Dichloropropane	6.694	63	10447	5.729	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	2709	0.976	ug/L #	76
60) 1,2,3-Trichloropropane	11.812	75	13672	5.408	ug/L #	66

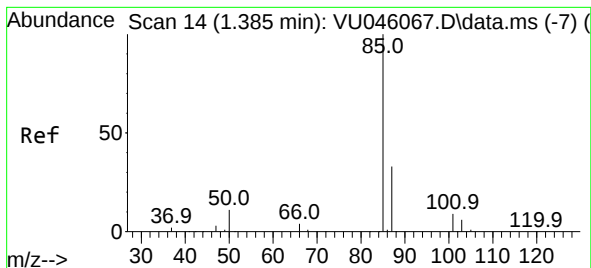
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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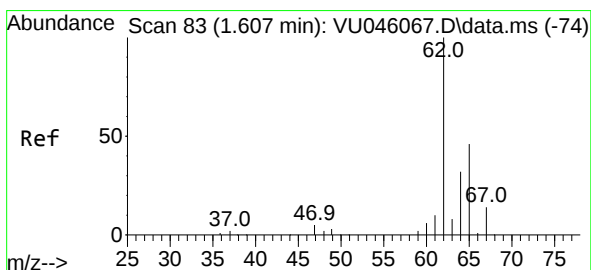
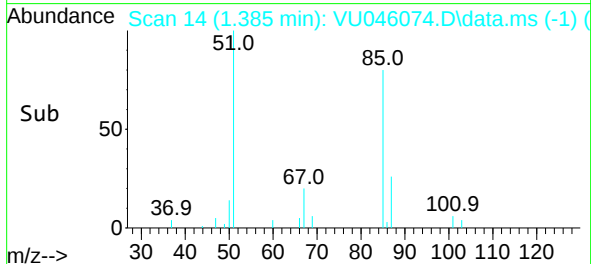
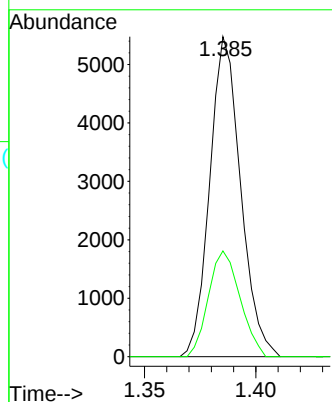
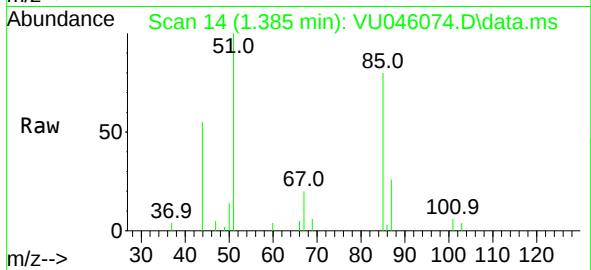




#2
Dichlorodifluoromethane
Concen: 2.068 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU046074.D
Acq: 03 Dec 2021 15:25

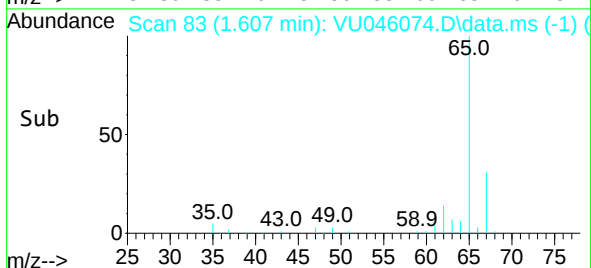
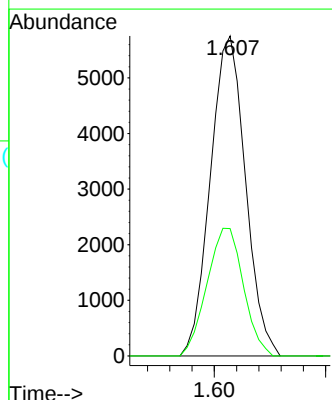
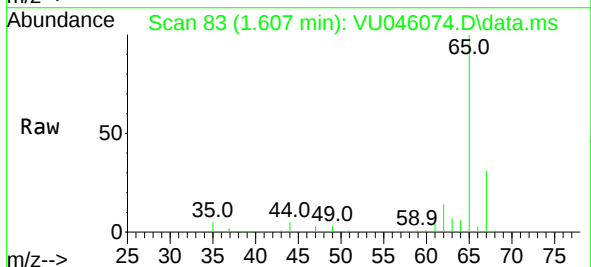
Instrument :
MSVOA_U
ClientSampleId :

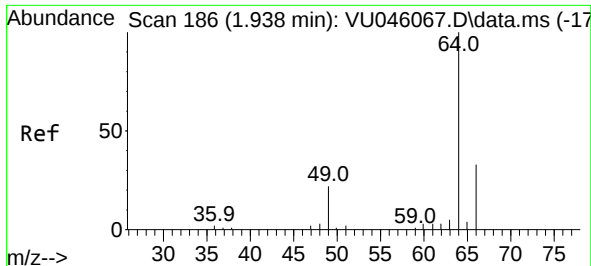
Tgt Ion: 85 Resp: 5283
Ion Ratio Lower Upper
85 100
87 33.7 25.7 38.5



#5
Vinyl chloride
Concen: 2.732 ug/L
RT: 1.607 min Scan# 83
Delta R.T. 0.000 min
Lab File: VU046074.D
Acq: 03 Dec 2021 15:25

Tgt Ion: 62 Resp: 6293
Ion Ratio Lower Upper
62 100
64 39.8 22.9 42.5

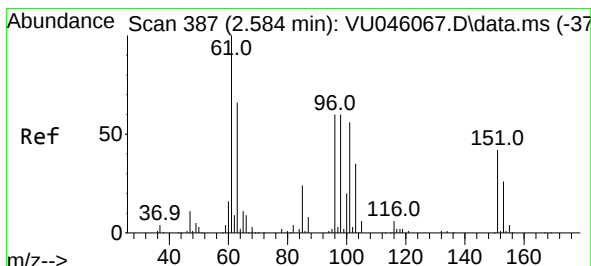
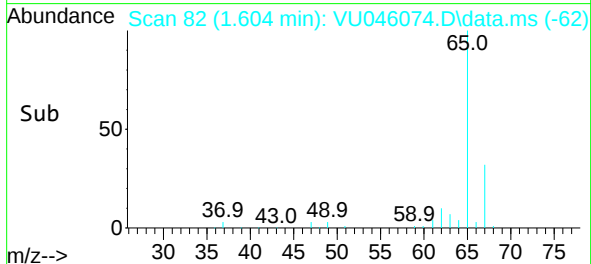
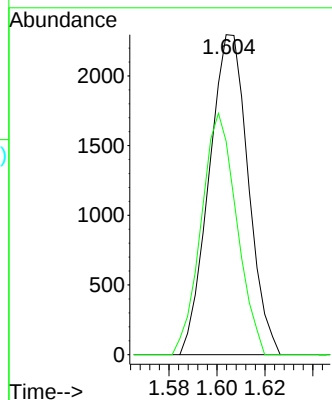
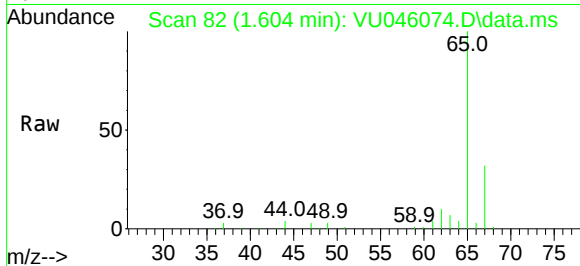




#8
Chloroethane
Concen: 1.949 ug/L
RT: 1.604 min Scan# 81
Delta R.T. -0.334 min
Lab File: VU046074.D
Acq: 03 Dec 2021 15:25

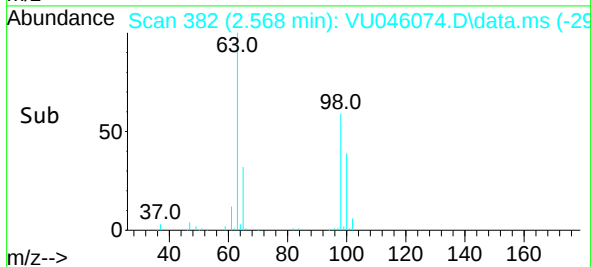
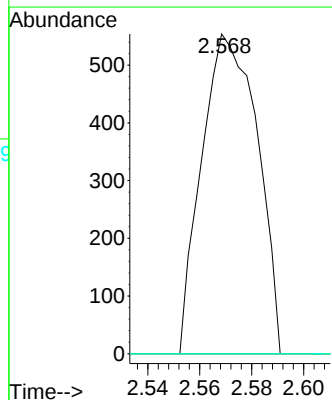
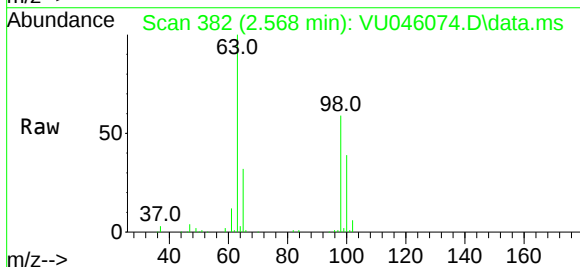
Instrument :
MSVOA_U
ClientSampleId :

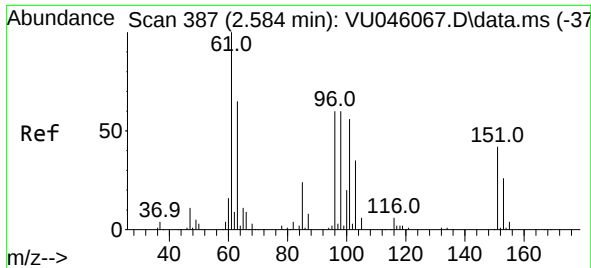
Tgt Ion: 64 Resp: 2600
Ion Ratio Lower Upper
64 100
66 66.7 22.5 41.9#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.482 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.019 min
Lab File: VU046074.D
Acq: 03 Dec 2021 15:25

Tgt Ion: 101 Resp: 824
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: 0.475 ug/L

RT: 2.572 min Scan# 387

Delta R.T. -0.013 min

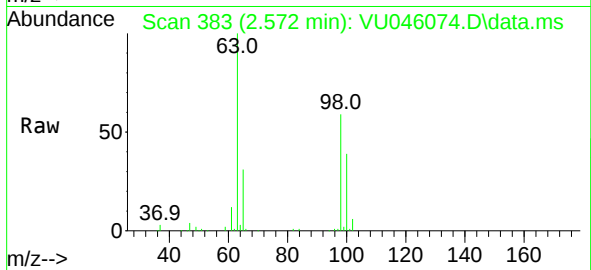
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Acq: 03 Dec 2021 15:25

Instrument :

MSVOA_U

ClientSampleId :



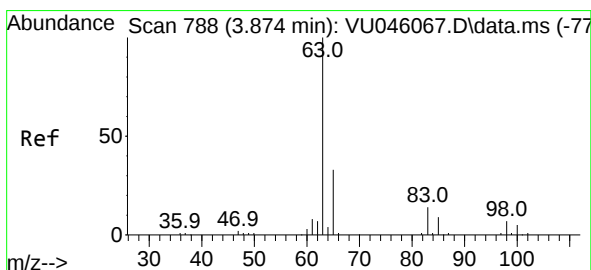
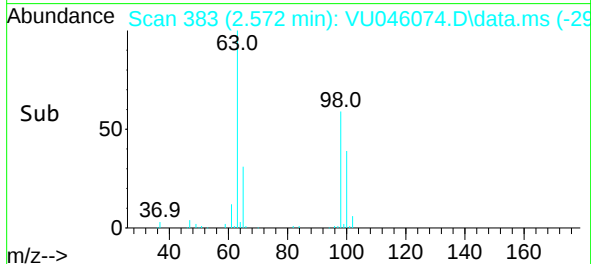
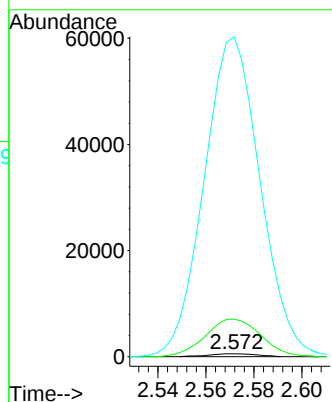
Tgt Ion: 96 Resp: 771

Ion Ratio Lower Upper

96 100

61 1291.3 118.6 220.2#

63 10965.8 93.0 172.8#



#19

1,1-Dichloroethane

Concen: 0.530 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.000 min

Lab File: VU046074.D

Acq: 03 Dec 2021 15:25

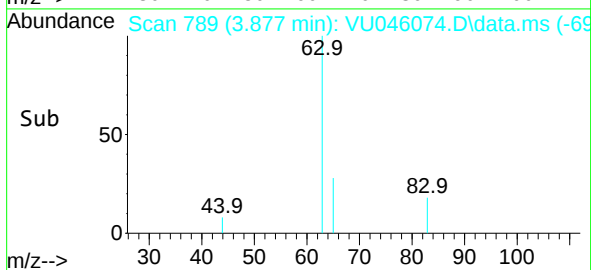
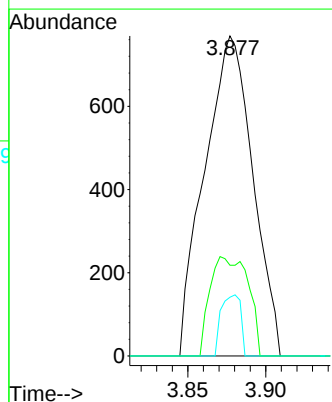
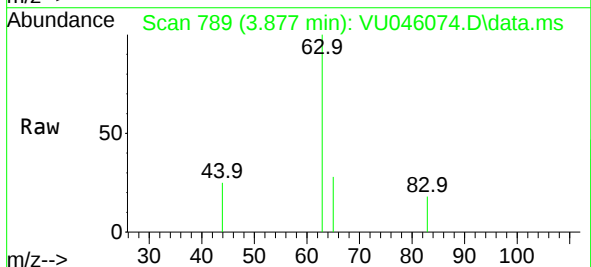
Tgt Ion: 63 Resp: 1654

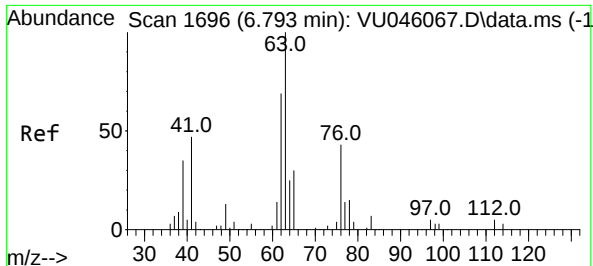
Ion Ratio Lower Upper

63 100

65 28.3 22.8 42.4

83 18.3 9.6 17.8#





#37

1,2-Dichloropropane

Concen: 5.729 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046074.D

Acq: 03 Dec 2021 15:25

Instrument :

MSVOA_U

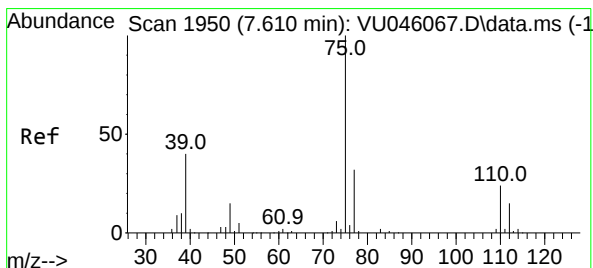
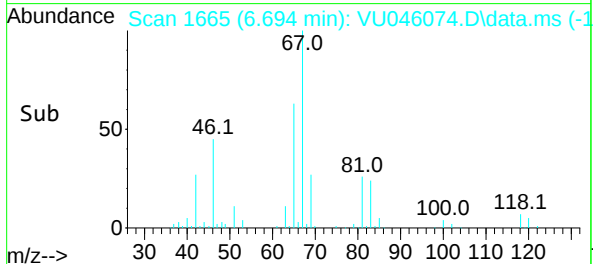
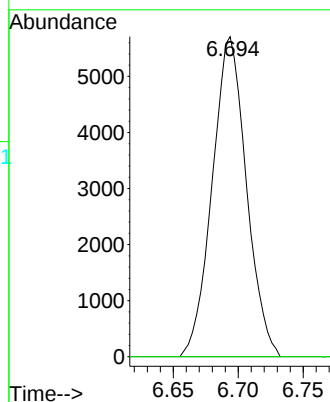
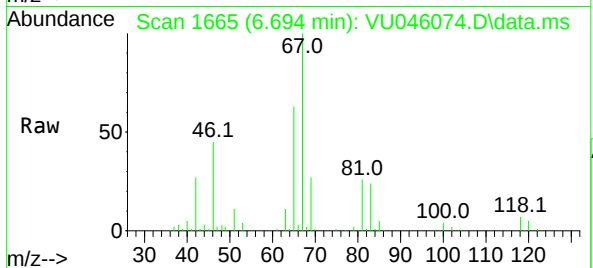
ClientSampleId :

Tgt Ion: 63 Resp: 10447

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.976 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046074.D

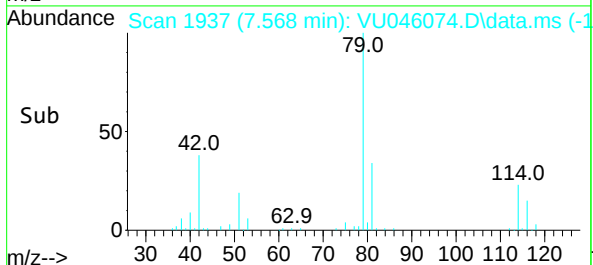
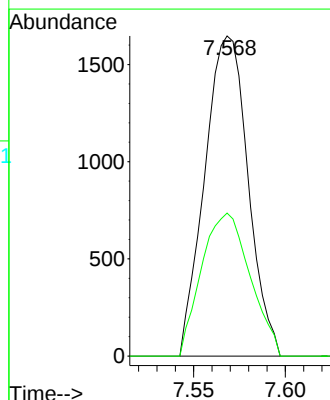
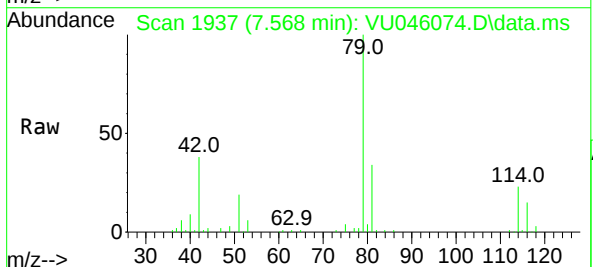
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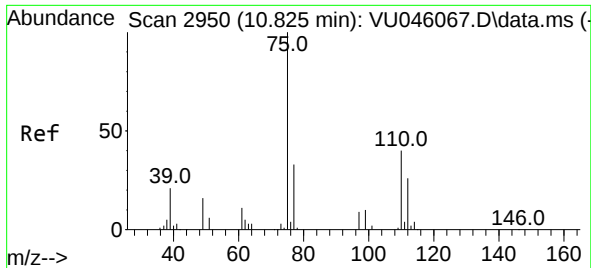
Tgt Ion: 75 Resp: 2709

Ion Ratio Lower Upper

75 100

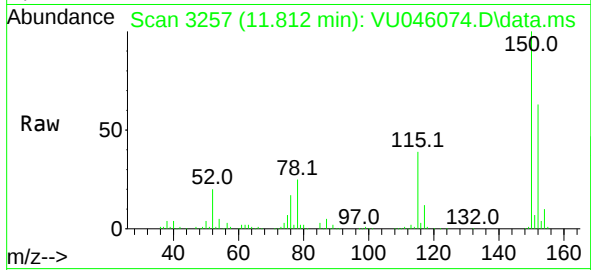
77 44.7 21.8 40.6#





#60
 1,2,3-Trichloropropane
 Concen: 5.408 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU046074.D
 Acq: 03 Dec 2021 15:25

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75	Resp:	13672
Ion	Ratio	Lower Upper
75	100	
77	33.3	26.4 39.6
110	2.3	32.4 48.6#

