

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
 Data File : VU046295.D
 Acq On : 11 Dec 2021 18:27
 Operator : SY/MD
 Sample : M4983-16DL 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 12 01:39:54 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	6.253	114	165874	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	171843	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	88273	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	48168	35.252	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.500%
7) Chloroethane-d5	1.916	69	40792	38.883	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.760%
11) 1,1-Dichloroethene-d2	2.572	63	69476	28.324	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.640%#
21) 2-Butanone-d5	4.636	46	115425	106.264	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.260%
24) Chloroform-d	5.067	84	107718	47.208	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.420%
26) 1,2-Dichloroethane-d4	5.707	65	75372	49.220	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.440%
32) Benzene-d6	5.729	84	210406	42.719	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.440%
36) 1,2-Dichloropropane-d6	6.694	67	71368	46.754	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.500%
41) Toluene-d8	7.900	98	179875	40.111	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.220%
43) trans-1,3-Dichloroprop...	8.182	79	32771	44.474	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.940%
47) 2-Hexanone-d5	8.636	63	81859	113.105	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.110%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	119035	51.421	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.840%
66) 1,2-Dichlorobenzene-d4	12.195	152	82178	48.341	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.680%

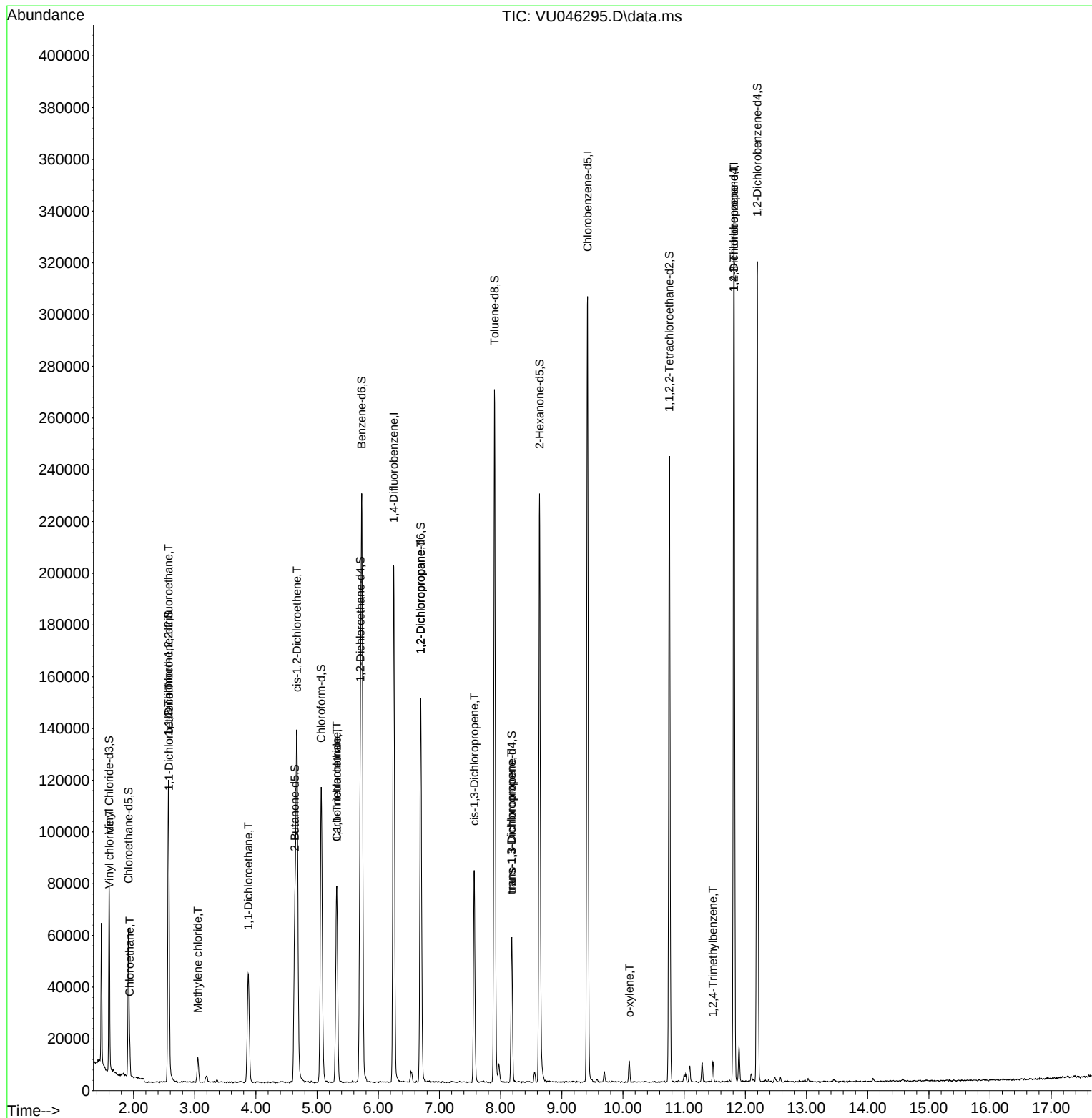
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	4492	2.760	ug/L	85
8) Chloroethane	1.938	64	6711	7.121	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	666	0.552	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	1377	1.201	ug/L #	1
16) Methylene chloride	3.051	84	4679	3.429	ug/L	92
19) 1,1-Dichloroethane	3.877	63	48819	22.121	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	60718	46.104	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	56089	26.590	ug/L	100
31) Carbon tetrachloride	5.321	117	7177	4.008	ug/L	95
37) 1,2-Dichloropropane	6.694	63	7858	5.768	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1964	0.948	ug/L #	76
44) trans-1,3-Dichloropropene	8.179	75	1298	0.638	ug/L #	76
54) o-xylene	10.105	106	2447	1.077	ug/L	83
60) 1,2,3-Trichloropropane	11.813	75	10779	5.570	ug/L #	64
63) 1,2,4-Trimethylbenzene	11.472	105	4906	1.024	ug/L	95

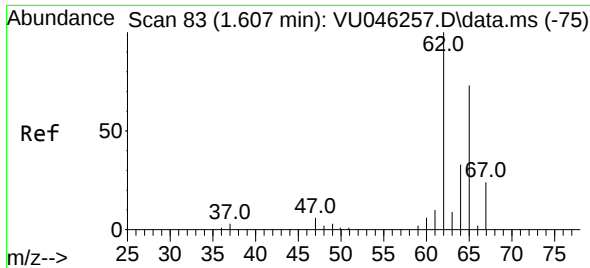
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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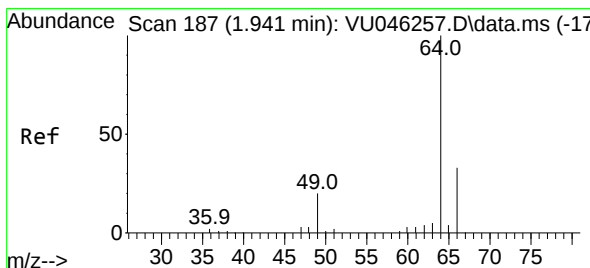
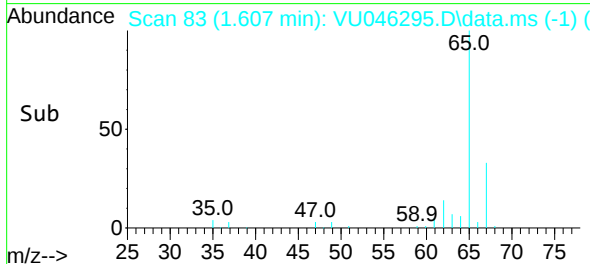
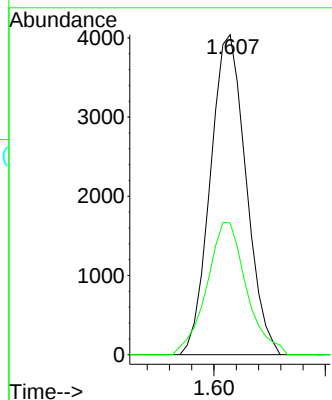
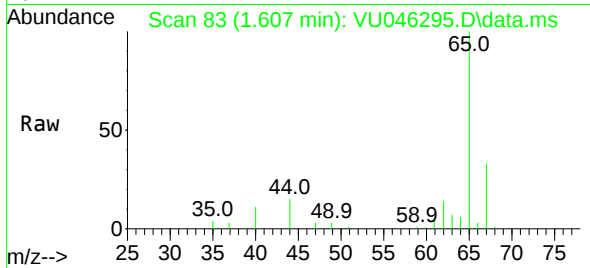




#5
 Vinyl chloride
 Concen: 2.760 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU046295.D
 Acq: 11 Dec 2021 18:27

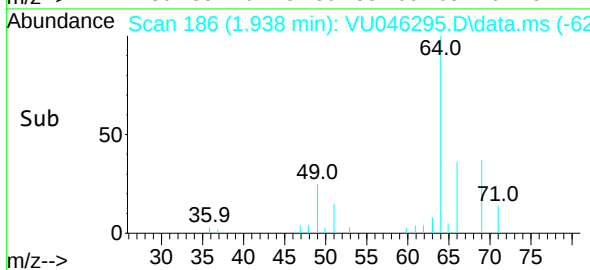
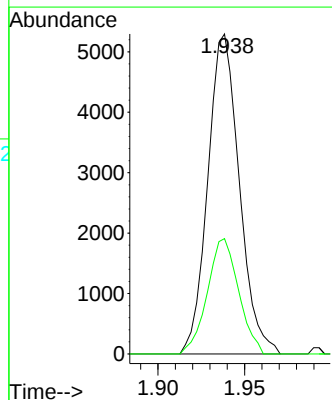
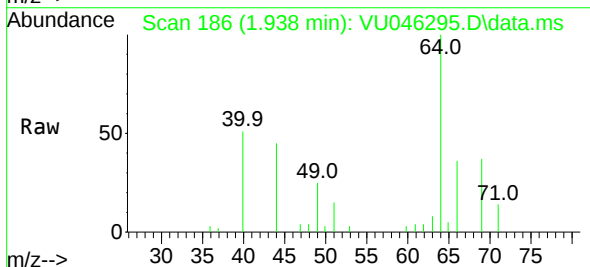
Instrument :
 MSVOA_U
 ClientSampleId :

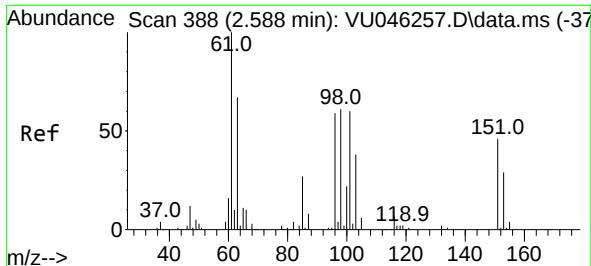
Tgt Ion: 62 Resp: 4492
 Ion Ratio Lower Upper
 62 100
 64 41.2 22.9 42.5



#8
 Chloroethane
 Concen: 7.121 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. 0.000 min
 Lab File: VU046295.D
 Acq: 11 Dec 2021 18:27

Tgt Ion: 64 Resp: 6711
 Ion Ratio Lower Upper
 64 100
 66 36.1 22.5 41.9





#10

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

Concen: 0.552 ug/L

RT: 2.572 min Scan# 383

Delta R.T. -0.016 min

Lab File: VU046295.D

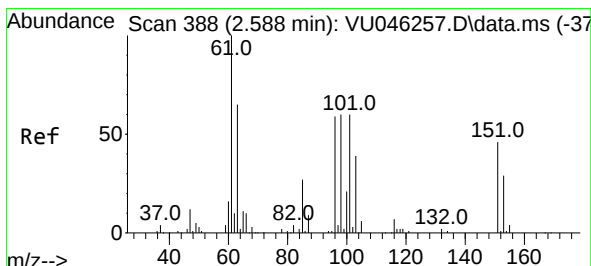
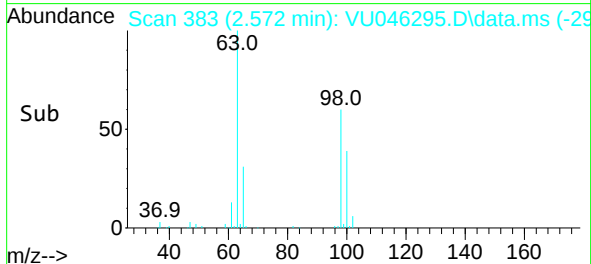
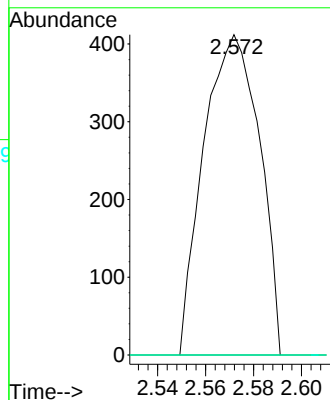
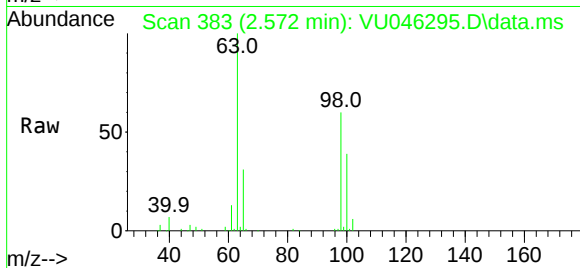
Acq: 11 Dec 2021 18:27

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	101	Resp:	666
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: 1.201 ug/L

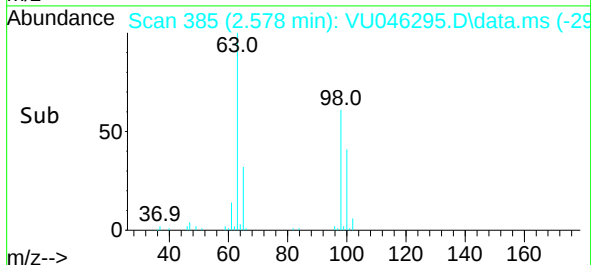
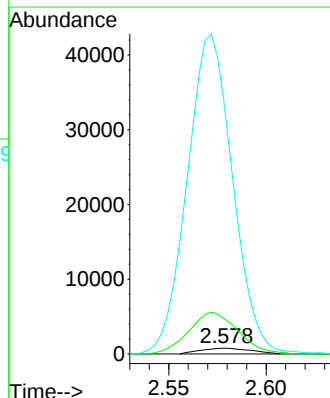
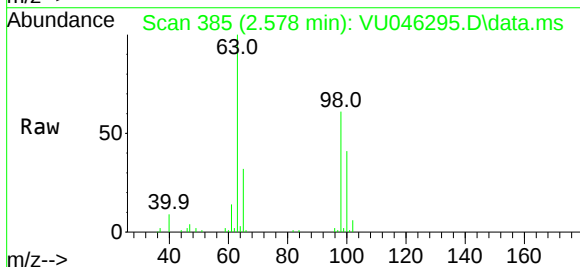
RT: 2.578 min Scan# 385

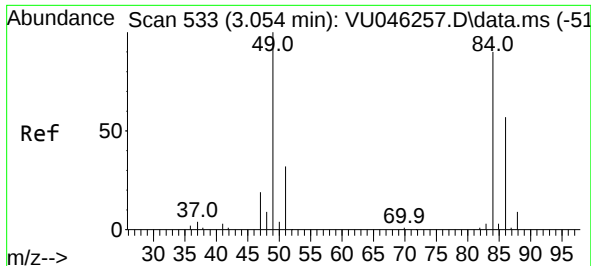
Delta R.T. -0.006 min

Lab File: VU046295.D

Acq: 11 Dec 2021 18:27

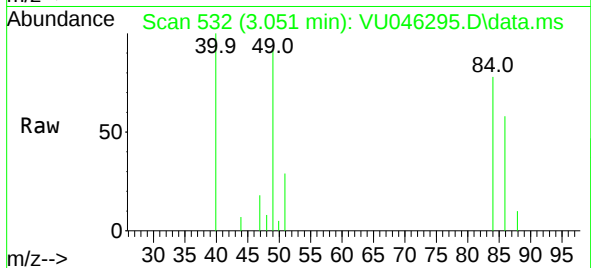
Tgt Ion:	96	Resp:	1377
Ion	Ratio	Lower	Upper
96	100		
61	616.9	118.6	220.2#
63	4384.5	93.0	172.8#



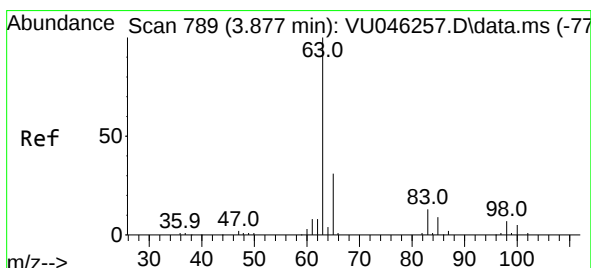
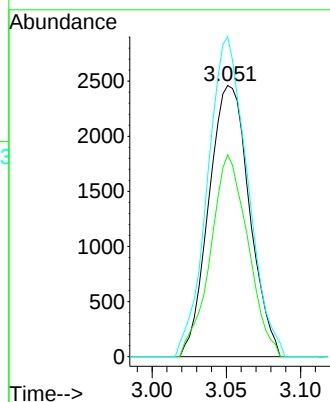
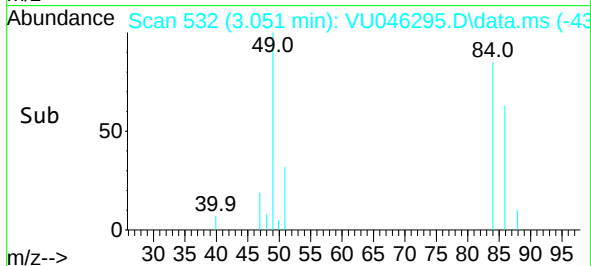


#16
Methylene chloride
Concen: 3.429 ug/L
RT: 3.051 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU046295.D
Acq: 11 Dec 2021 18:27

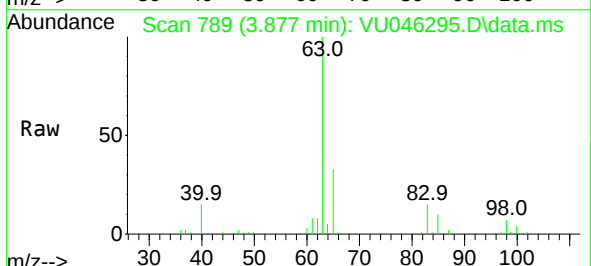
Instrument :
MSVOA_U
ClientSampleId :



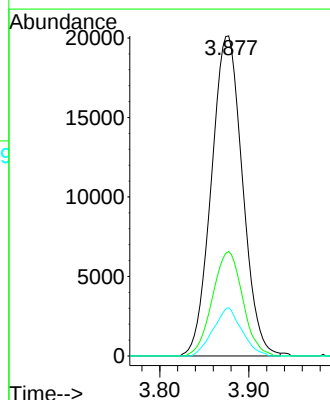
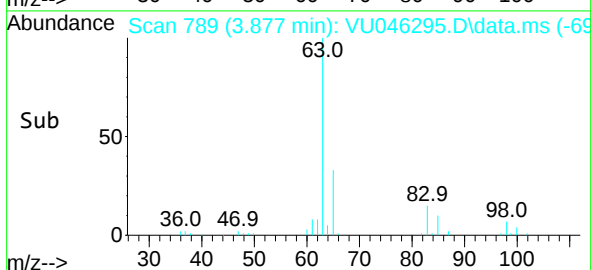
Tgt Ion: 84 Resp: 4679
Ion Ratio Lower Upper
84 100
86 74.5 44.7 83.1
49 118.0 78.4 145.6

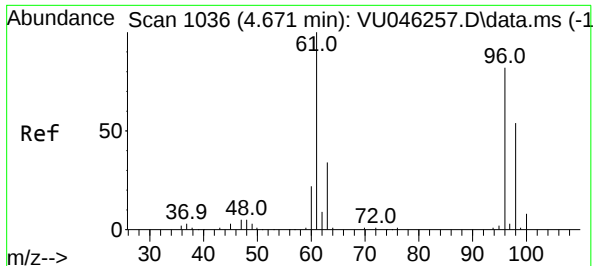


#19
1,1-Dichloroethane
Concen: 22.121 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.000 min
Lab File: VU046295.D
Acq: 11 Dec 2021 18:27



Tgt Ion: 63 Resp: 48819
Ion Ratio Lower Upper
63 100
65 32.7 22.8 42.4
83 15.1 9.6 17.8





#20

cis-1,2-Dichloroethene

Concen: 46.104 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046295.D

Acq: 11 Dec 2021 18:27

Instrument :

MSVOA_U

ClientSampleId :

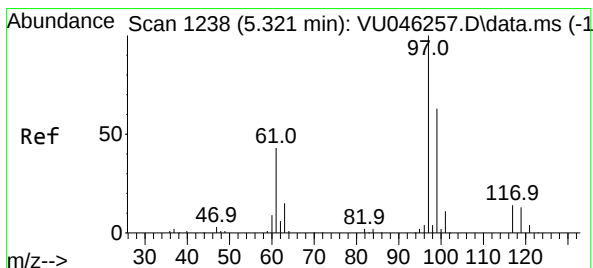
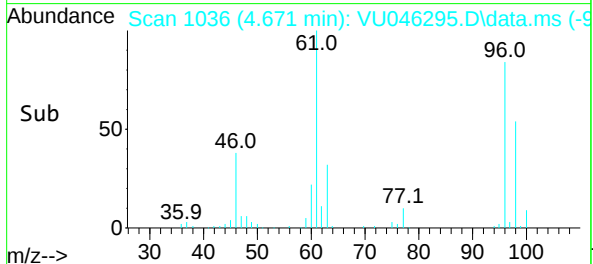
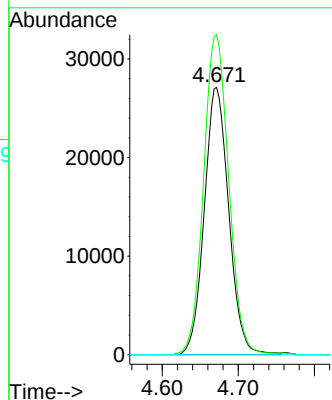
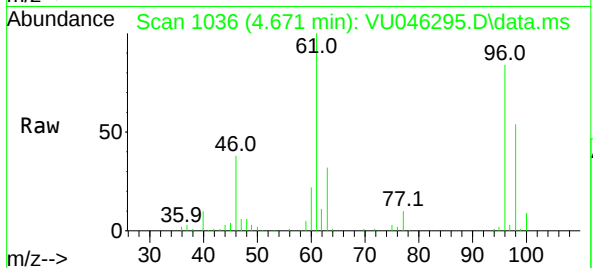
Tgt Ion: 96 Resp: 60718

Ion Ratio Lower Upper

96 100

61 119.7 86.8 161.2

68 0.0 0.0 0.0



#30

1,1,1-Trichloroethane

Concen: 26.590 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU046295.D

Acq: 11 Dec 2021 18:27

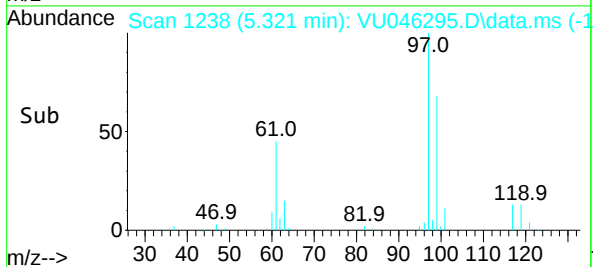
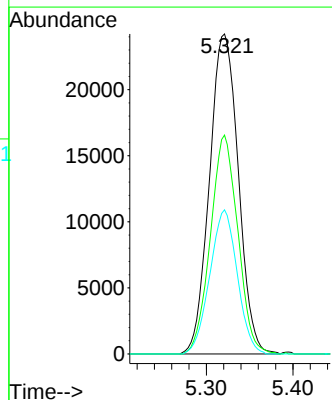
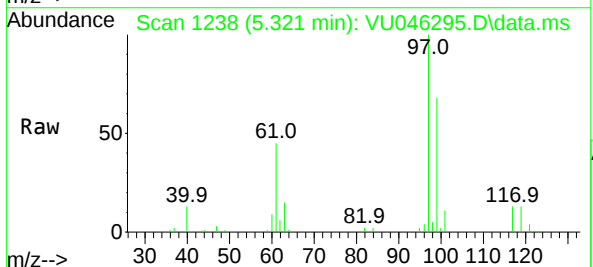
Tgt Ion: 97 Resp: 56089

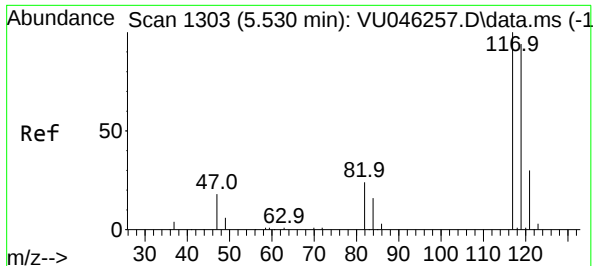
Ion Ratio Lower Upper

97 100

99 64.9 51.8 77.6

61 42.9 34.4 51.6

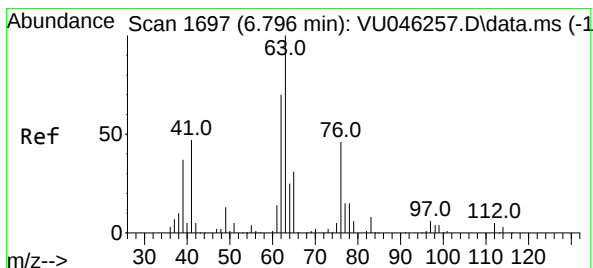
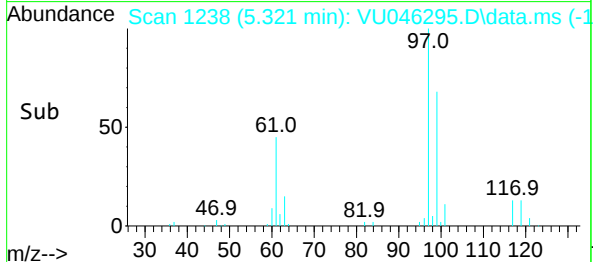
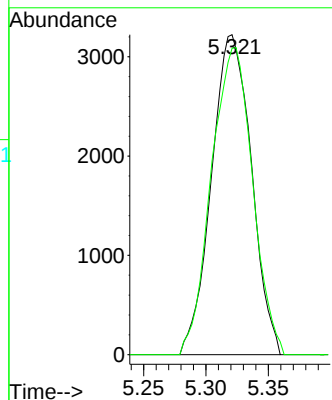
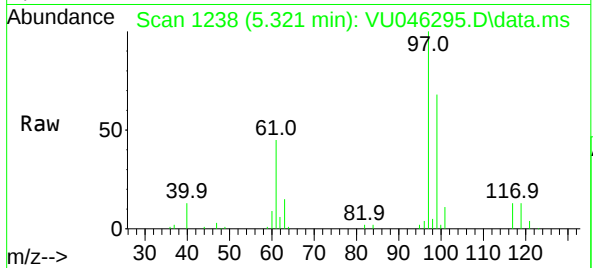




#31
Carbon tetrachloride
Concen: 4.008 ug/L
RT: 5.321 min Scan# 117
Delta R.T. -0.209 min
Lab File: VU046295.D
Acq: 11 Dec 2021 18:27

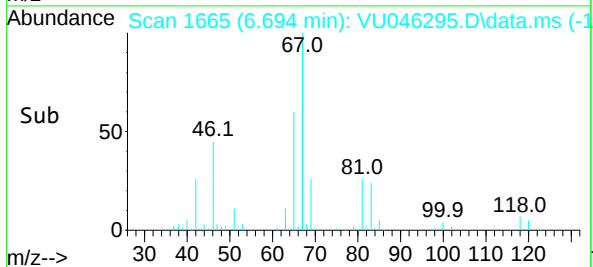
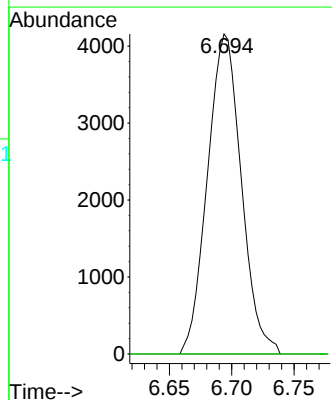
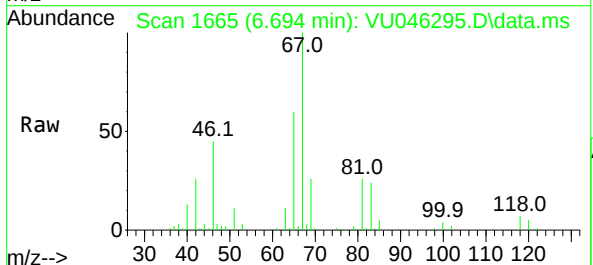
Instrument :
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ClientSampleId :

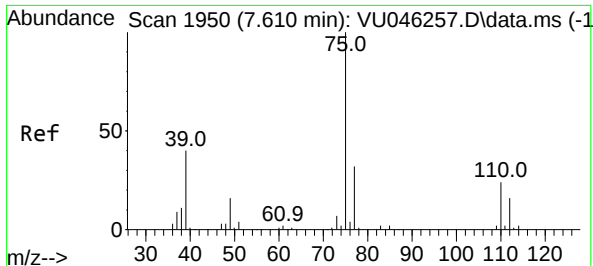
Tgt Ion:117 Resp: 7177
Ion Ratio Lower Upper
117 100
119 99.2 75.7 113.5



#37
1,2-Dichloropropane
Concen: 5.768 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.099 min
Lab File: VU046295.D
Acq: 11 Dec 2021 18:27

Tgt Ion: 63 Resp: 7858
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.948 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046295.D

Acq: 11 Dec 2021 18:27

Instrument :

MSVOA_U

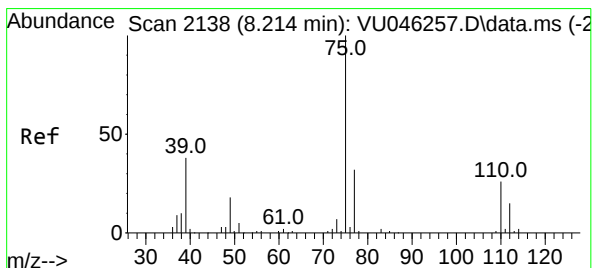
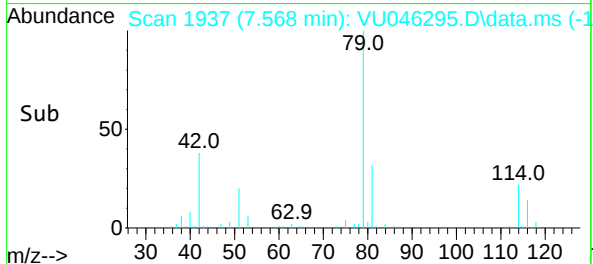
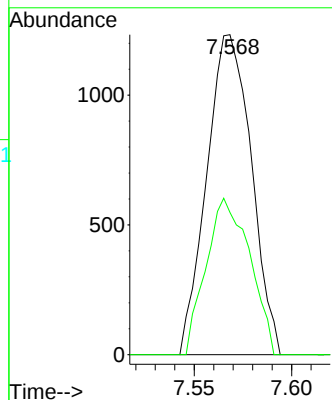
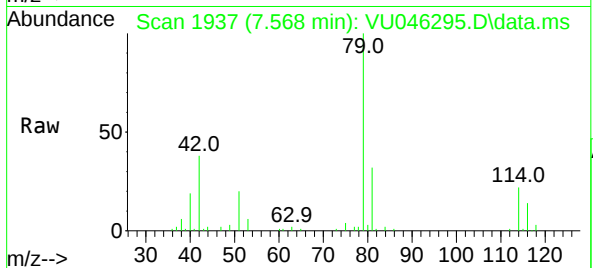
ClientSampleId :

Tgt Ion: 75 Resp: 1964

Ion Ratio Lower Upper

75 100

77 44.4 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.638 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.035 min

Lab File: VU046295.D

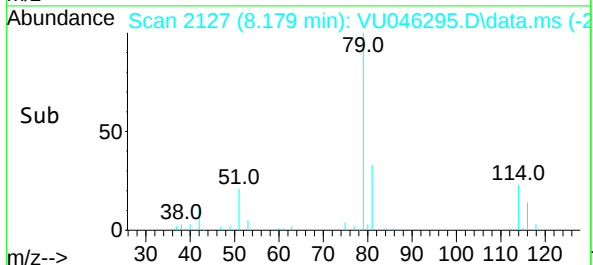
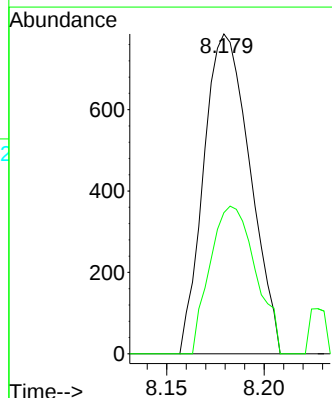
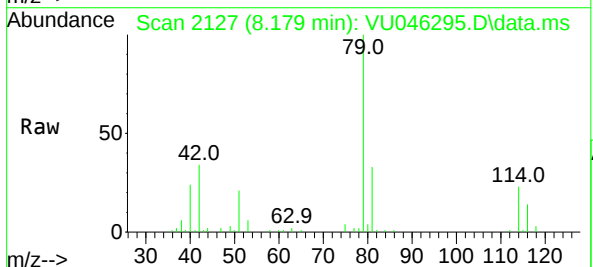
Acq: 11 Dec 2021 18:27

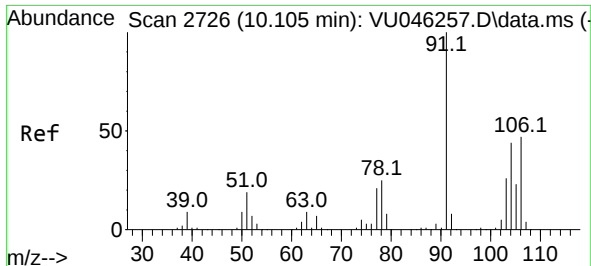
Tgt Ion: 75 Resp: 1298

Ion Ratio Lower Upper

75 100

77 44.1 21.7 40.3#

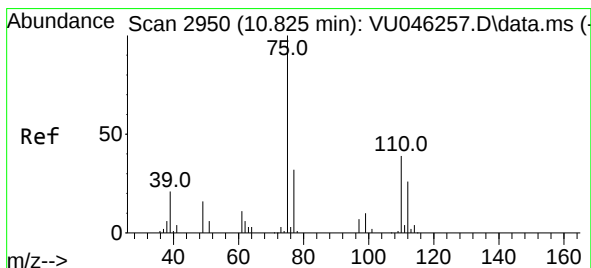
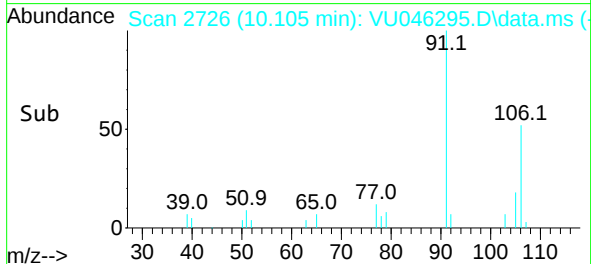
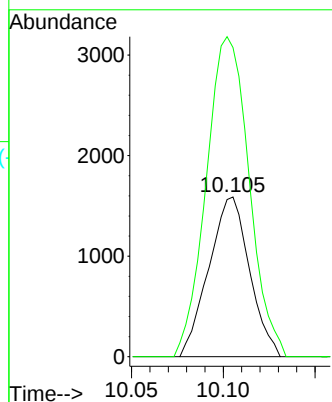
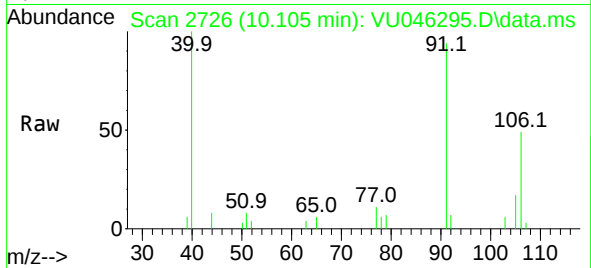




#54
o-xylene
Concen: 1.077 ug/L
RT: 10.105 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046295.D
Acq: 11 Dec 2021 18:27

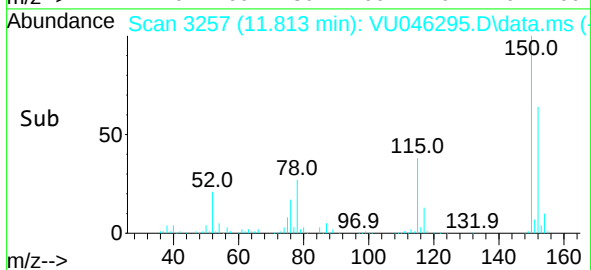
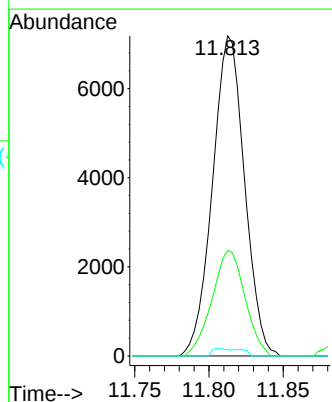
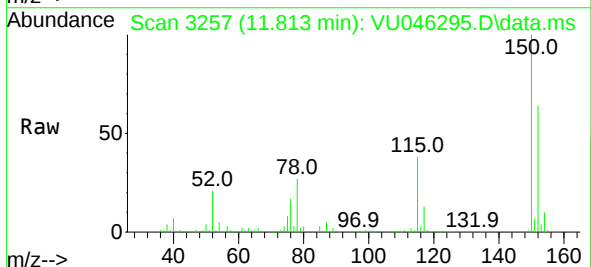
Instrument :
MSVOA_U
ClientSampleId :

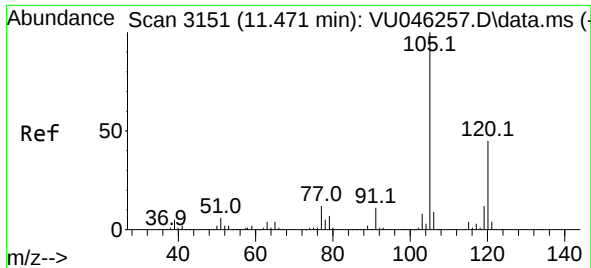
Tgt Ion:106 Resp: 2447
Ion Ratio Lower Upper
106 100
91 193.6 154.2 286.4



#60
1,2,3-Trichloropropane
Concen: 5.570 ug/L
RT: 11.813 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046295.D
Acq: 11 Dec 2021 18:27

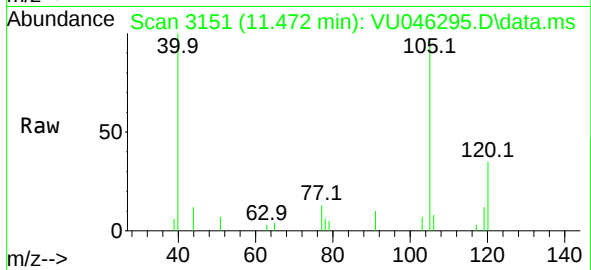
Tgt Ion: 75 Resp: 10779
Ion Ratio Lower Upper
75 100
77 33.9 26.4 39.6
110 1.1 32.4 48.6#





#63
 1,2,4-Trimethylbenzene
 Concen: 1.024 ug/L
 RT: 11.472 min Scan# 3151
 Delta R.T. 0.000 min
 Lab File: VU046295.D
 Acq: 11 Dec 2021 18:27

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:105 Resp: 4906
 Ion Ratio Lower Upper
 105 100
 120 40.7 35.2 52.8

