

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120721\
 Data File : VU046153.D
 Acq On : 07 Dec 2021 20:41
 Operator : SY/MD
 Sample : M4887-07ME
 Misc : 5.93g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 08 04:55:11 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	144151	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	143169	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	73347	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	153160	128.983	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	257.960%#
7) Chloroethane-d5	1.919	69	103061	113.042	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	226.080%#
11) 1,1-Dichloroethene-d2	2.549	63	172373	80.863	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	161.720%#
21) 2-Butanone-d5	4.655	46	234049	247.944	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	247.940%#
24) Chloroform-d	5.063	84	262388	132.321	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	264.640%#
26) 1,2-Dichloroethane-d4	5.703	65	179729	135.054	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	270.100%#
32) Benzene-d6	5.726	84	591120	144.054	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	288.100%#
36) 1,2-Dichloropropane-d6	6.694	67	182280	143.331	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	286.660%#
41) Toluene-d8	7.899	98	551386	147.580	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	295.160%#
43) trans-1,3-Dichloroprop...	8.182	79	93280	151.944	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	303.880%#
47) 2-Hexanone-d5	8.681	63	186715	309.655	ug/L	0.05
Spiked Amount	100.000	Range	45 - 130	Recovery	=	309.650%#
56) 1,1,2,2-Tetrachloroeth...	10.771	84	262252	135.978	ug/L	0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	=	271.960%#
66) 1,2-Dichlorobenzene-d4	12.198	152	215960	152.889	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	305.780%#

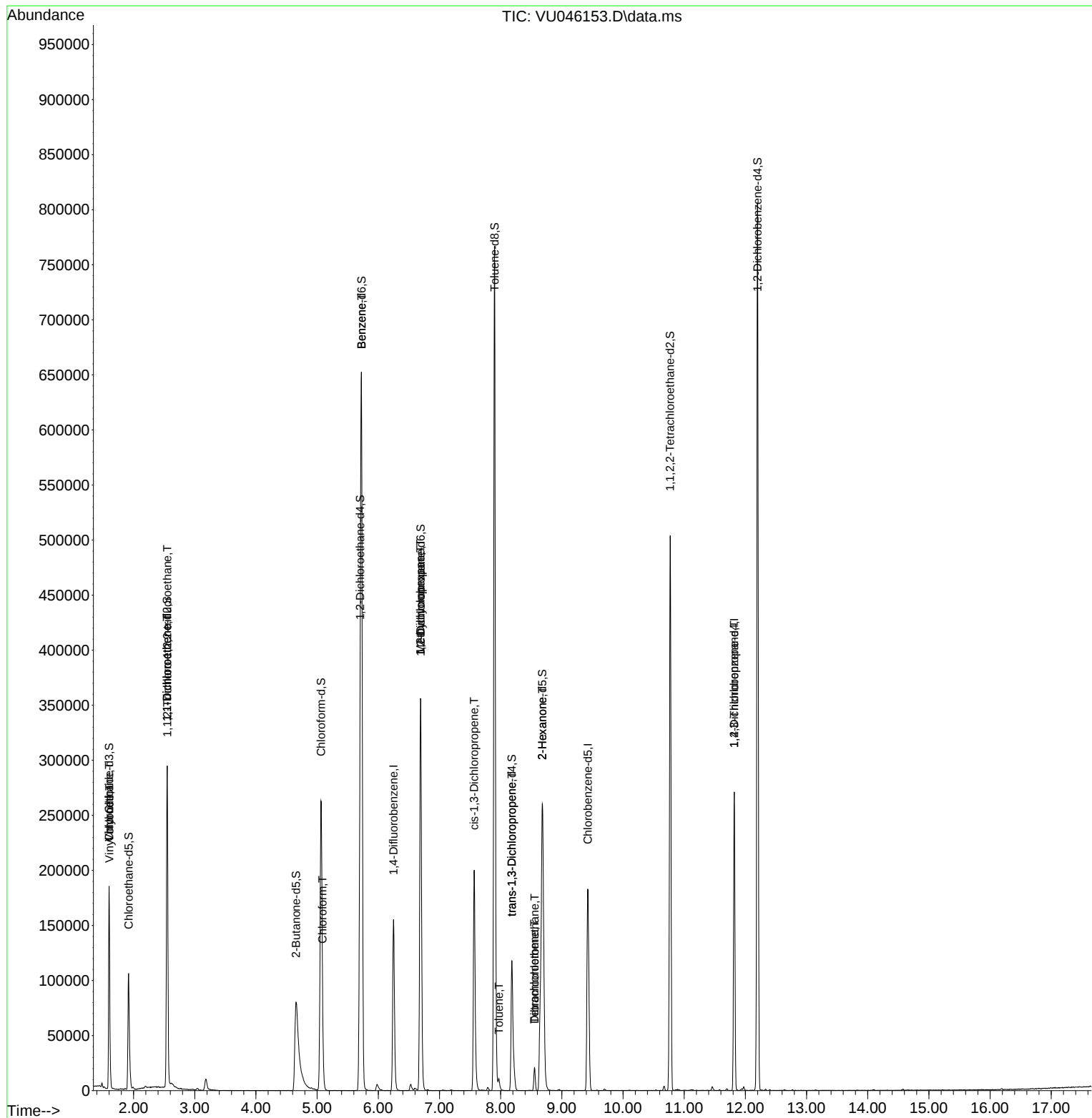
Target Compounds					Qvalue
5) Vinyl chloride	1.604	62	577	0.408 ug/L #	1
8) Chloroethane	1.601	64	1910	2.332 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.552	101	1659	1.582 ug/L #	21
12) 1,1-Dichloroethene	2.549	96	1546	1.551 ug/L #	1
25) Chloroform	5.089	83	16930	7.945 ug/L	99
33) Benzene	5.726	78	4368	1.008 ug/L	100
35) Methylcyclohexane	6.690	83	43841	24.769 ug/L #	21
37) 1,2-Dichloropropane	6.690	63	19943	17.569 ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	5163	2.990 ug/L #	54
42) Toluene	7.970	91	8637	1.858 ug/L	94
44) trans-1,3-Dichloropropene	8.182	75	3934	2.320 ug/L #	76
46) Tetrachloroethene	8.552	164	5029	5.995 ug/L	97
48) 2-Hexanone	8.681	43	19141	12.833 ug/L #	60
49) Dibromochloromethane	8.555	129	5023	4.200 ug/L #	10
60) 1,2,3-Trichloropropane	11.819	75	8388	5.217 ug/L #	64

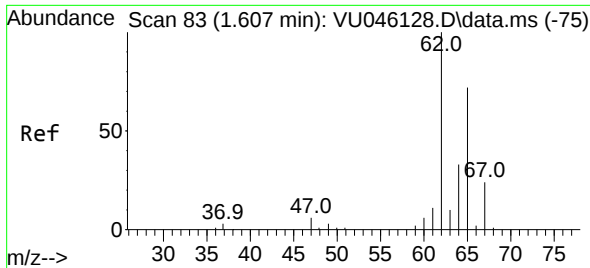
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 03 05:08:36 2021
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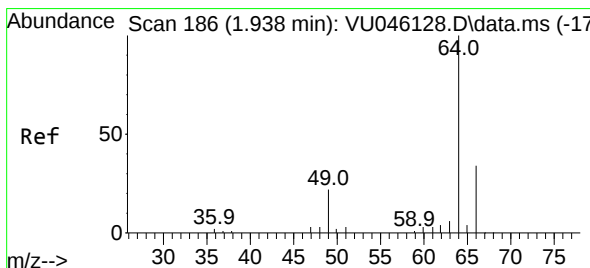
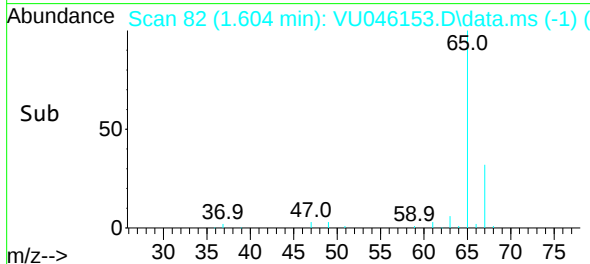
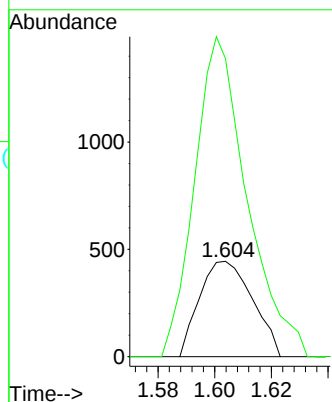
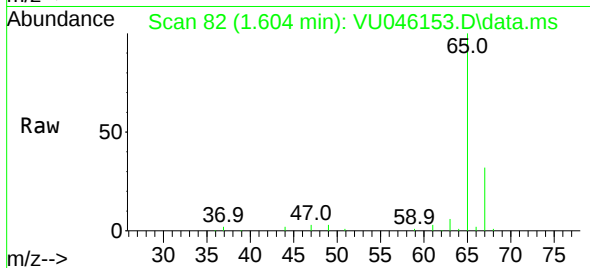




#5
 Vinyl chloride
 Concen: 0.408 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU046153.D
 Acq: 07 Dec 2021 20:41

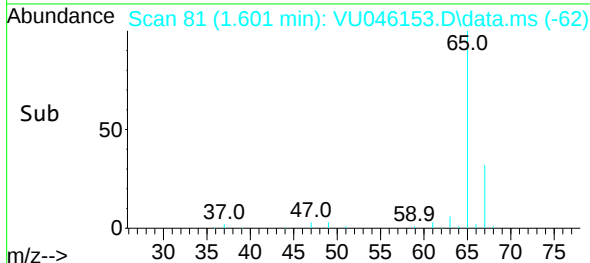
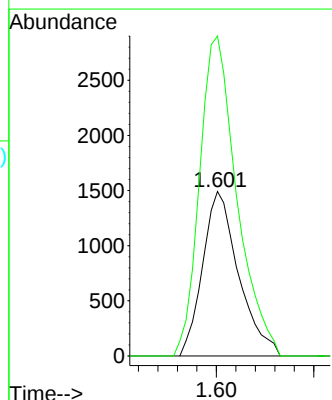
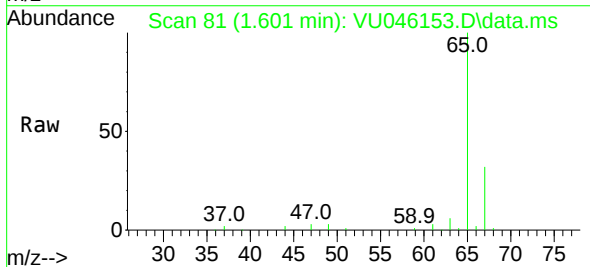
Instrument :
 MSVOA_U
 ClientSampleId :

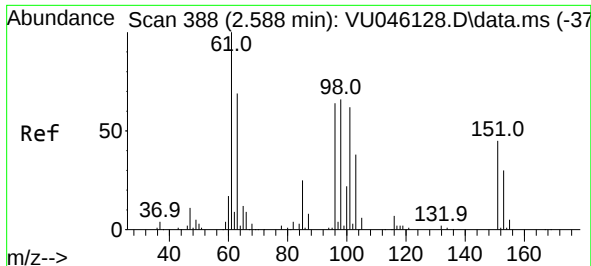
Tgt Ion: 62 Resp: 577
 Ion Ratio Lower Upper
 62 100
 64 312.8 22.9 42.5#



#8
 Chloroethane
 Concen: 2.332 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.338 min
 Lab File: VU046153.D
 Acq: 07 Dec 2021 20:41

Tgt Ion: 64 Resp: 1910
 Ion Ratio Lower Upper
 64 100
 66 194.6 22.5 41.9#

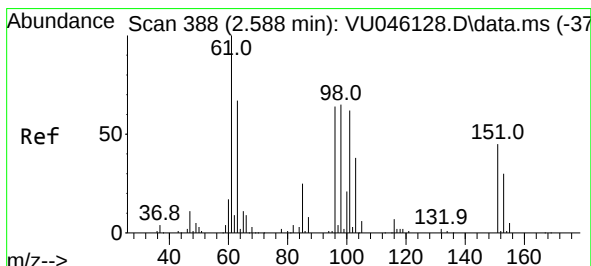
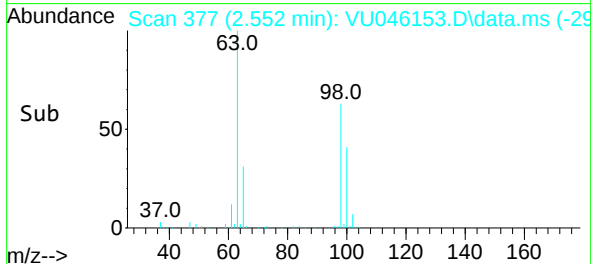
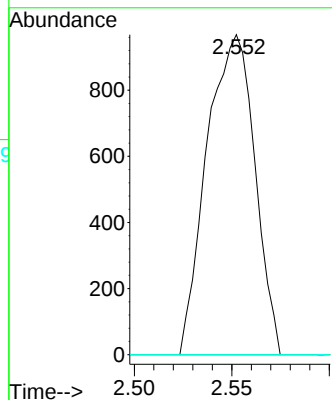
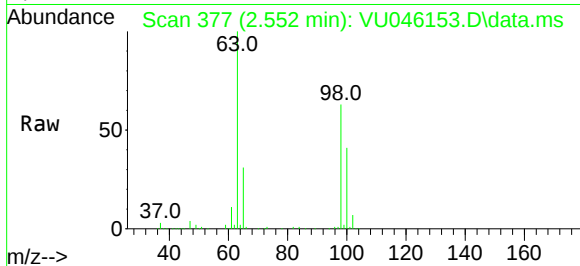




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.582 ug/L
RT: 2.552 min Scan# 31
Delta R.T. -0.035 min
Lab File: VU046153.D
Acq: 07 Dec 2021 20:41

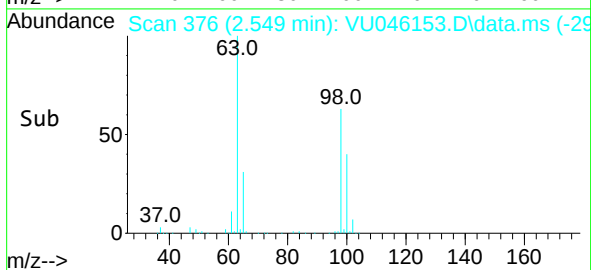
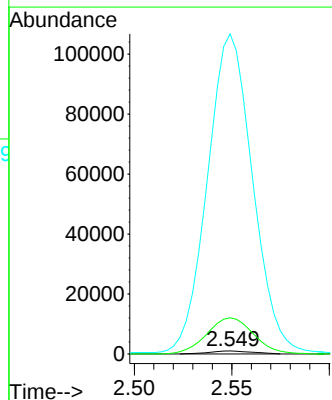
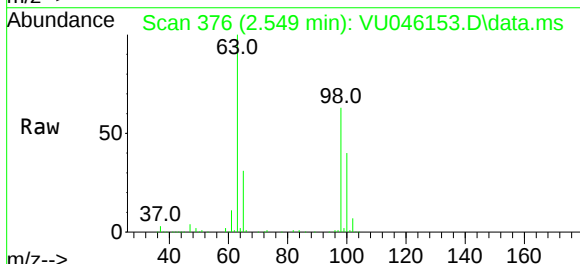
Instrument :
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ClientSampleId :

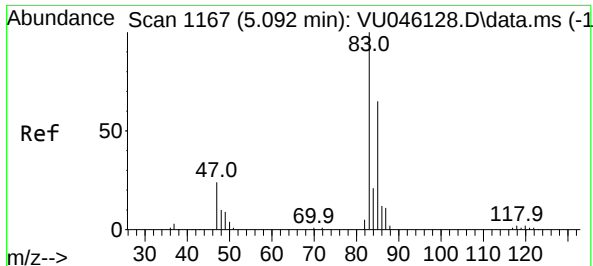
Tgt Ion:101 Resp: 1659
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 1.551 ug/L
RT: 2.549 min Scan# 376
Delta R.T. -0.035 min
Lab File: VU046153.D
Acq: 07 Dec 2021 20:41

Tgt Ion: 96 Resp: 1546
Ion Ratio Lower Upper
96 100
61 1215.3 118.6 220.2#
63 10759.7 93.0 172.8#





#25

Chloroform

Concen: 7.945 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU046153.D

Acq: 07 Dec 2021 20:41

Instrument :

MSVOA_U

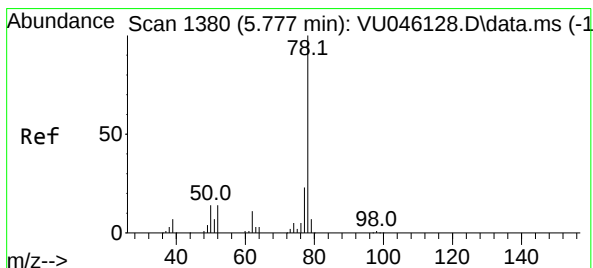
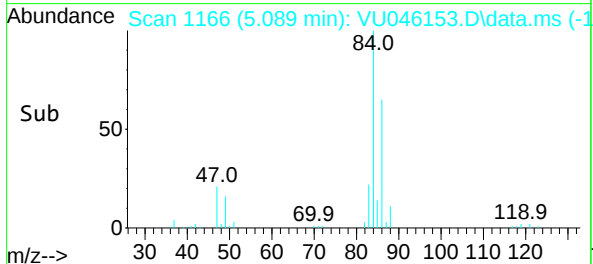
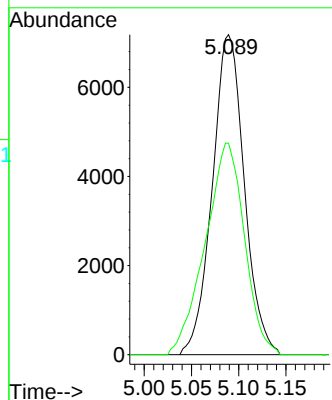
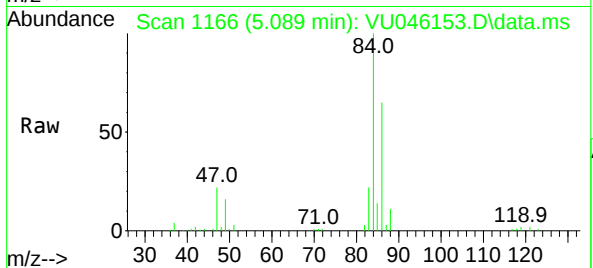
ClientSampleId :

Tgt Ion: 83 Resp: 16930

Ion Ratio Lower Upper

83 100

85 66.1 45.8 85.2



#33

Benzene

Concen: 1.008 ug/L

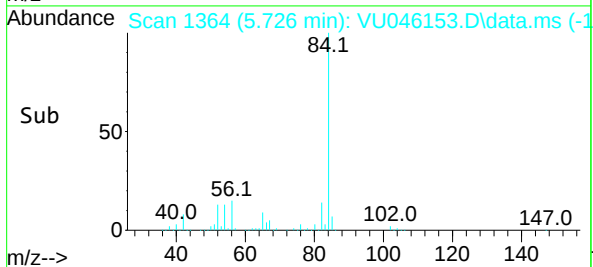
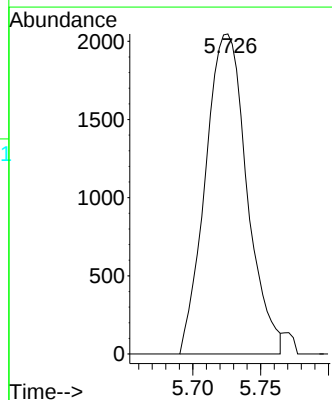
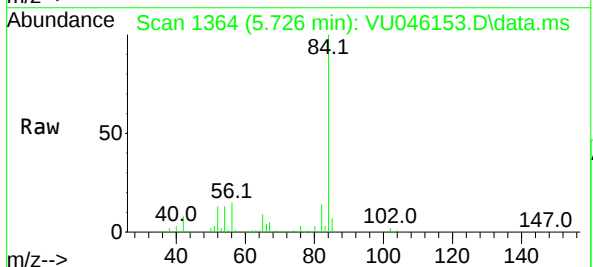
RT: 5.726 min Scan# 1364

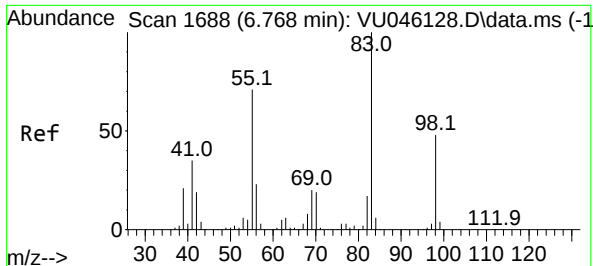
Delta R.T. -0.055 min

Lab File: VU046153.D

Acq: 07 Dec 2021 20:41

Tgt Ion: 78 Resp: 4368

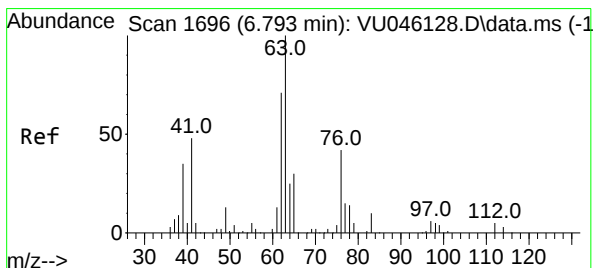
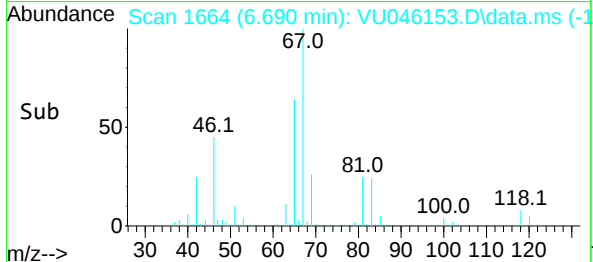
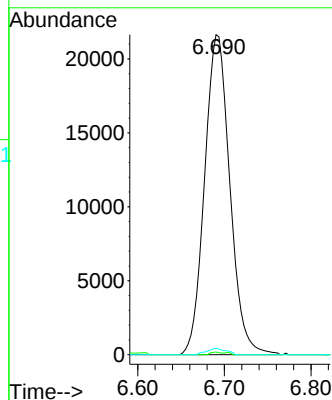
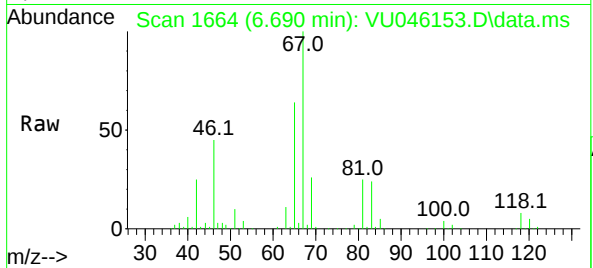




#35
Methylcyclohexane
Concen: 24.769 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.077 min
Lab File: VU046153.D
Acq: 07 Dec 2021 20:41

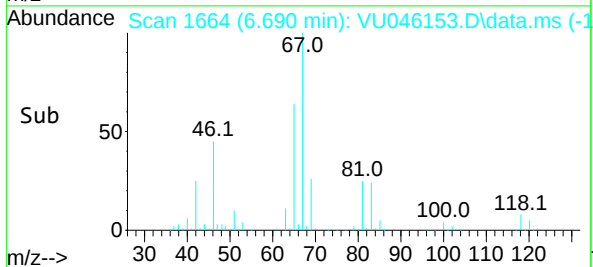
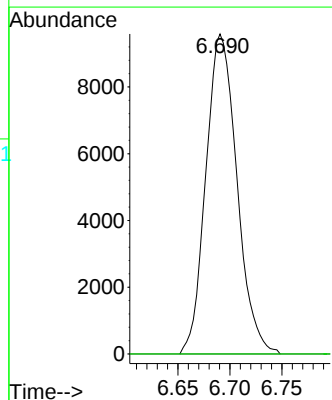
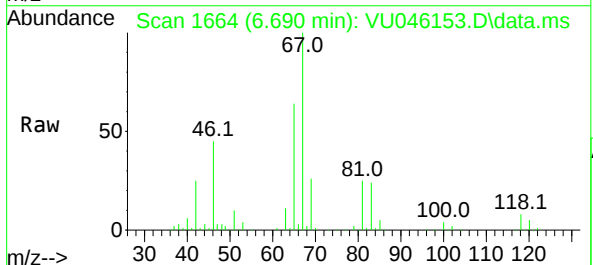
Instrument :
MSVOA_U
ClientSampleId :

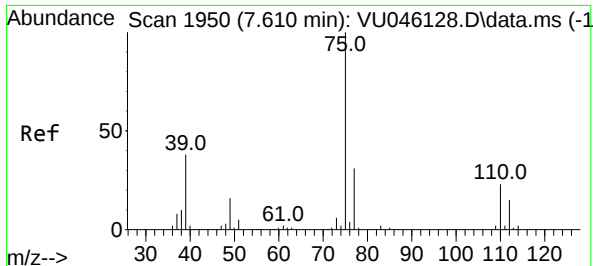
Tgt Ion: 83 Resp: 43841
Ion Ratio Lower Upper
83 100
55 0.3 57.8 86.6#
98 1.5 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 17.569 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.103 min
Lab File: VU046153.D
Acq: 07 Dec 2021 20:41

Tgt Ion: 63 Resp: 19943
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 2.990 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU046153.D

Acq: 07 Dec 2021 20:41

Instrument :

MSVOA_U

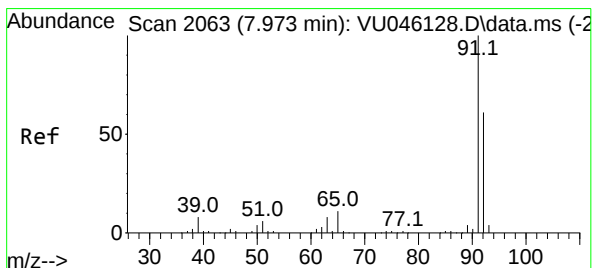
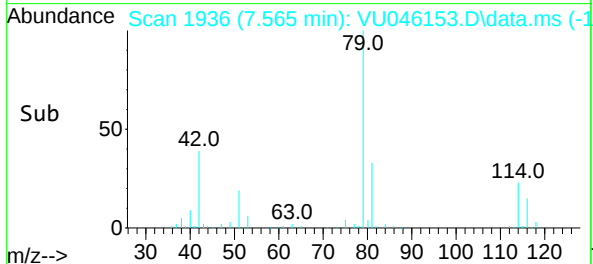
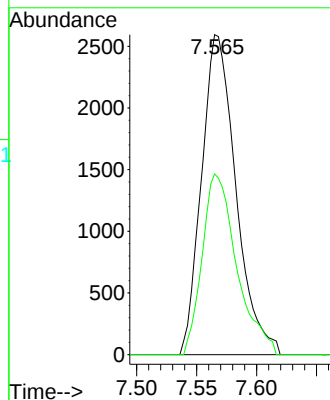
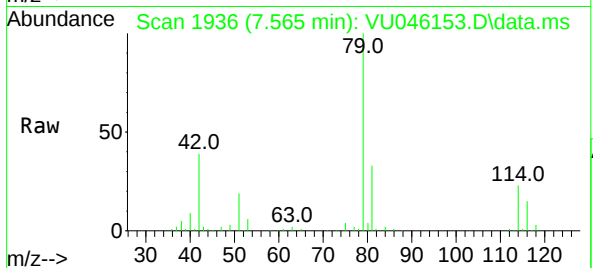
ClientSampleId :

Tgt Ion: 75 Resp: 5163

Ion Ratio Lower Upper

75 100

77 56.5 21.8 40.6#



#42

Toluene

Concen: 1.858 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU046153.D

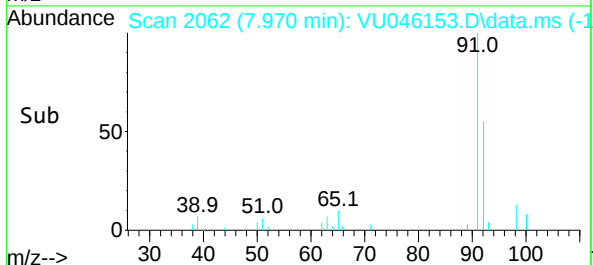
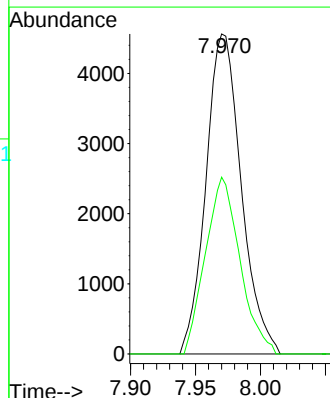
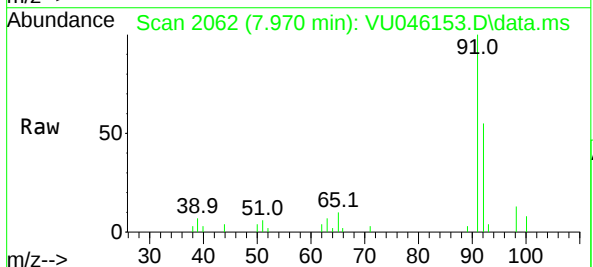
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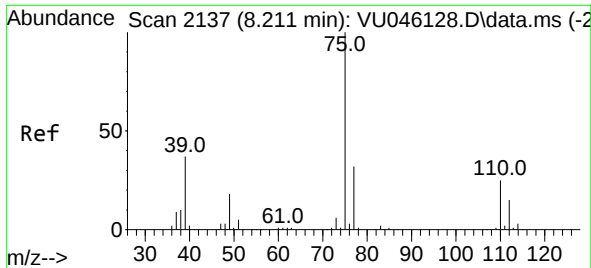
Tgt Ion: 91 Resp: 8637

Ion Ratio Lower Upper

91 100

92 55.2 41.9 77.7

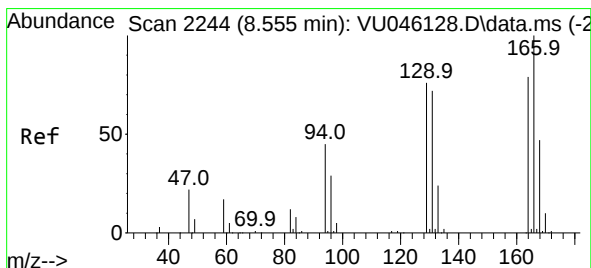
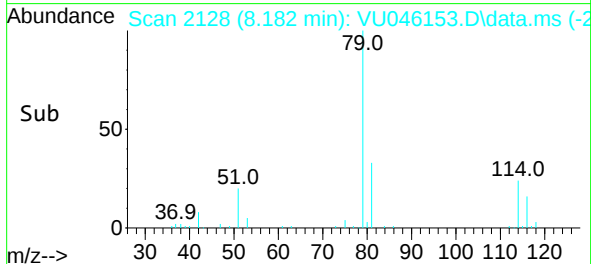
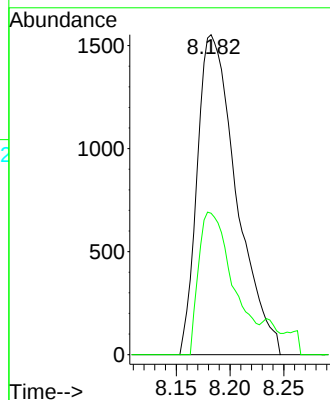
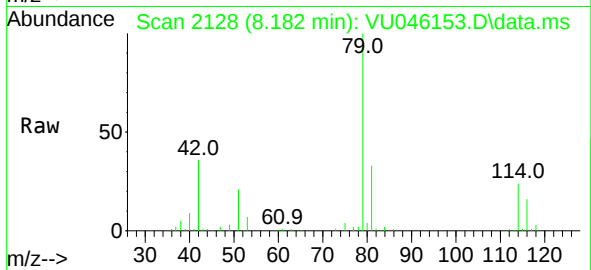




#44
trans-1,3-Dichloropropene
Concen: 2.320 ug/L
RT: 8.182 min Scan# 2137
Delta R.T. -0.032 min
Lab File: VU046153.D
Acq: 07 Dec 2021 20:41

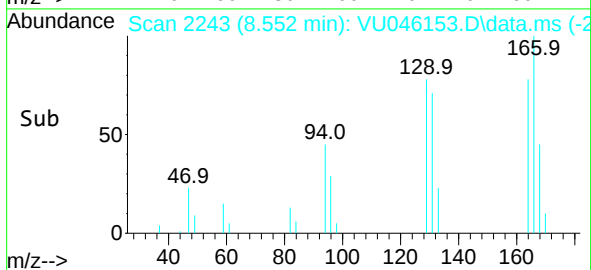
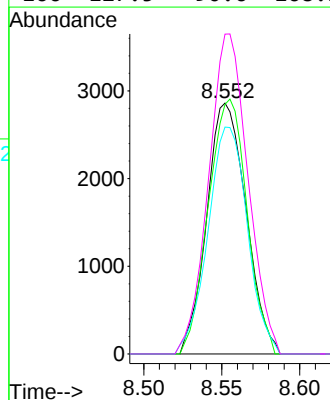
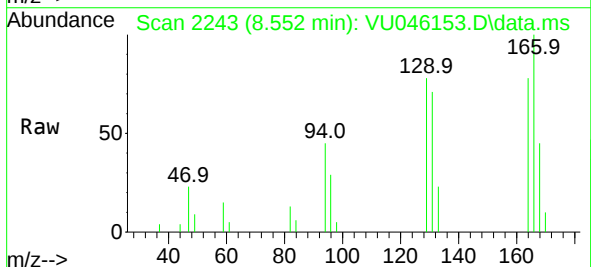
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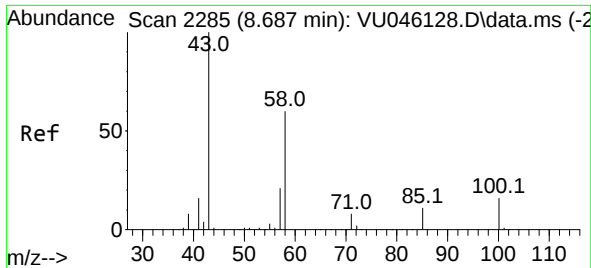
Tgt Ion: 75 Resp: 3934
Ion Ratio Lower Upper
75 100
77 44.2 21.7 40.3#



#46
Tetrachloroethene
Concen: 5.995 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU046153.D
Acq: 07 Dec 2021 20:41

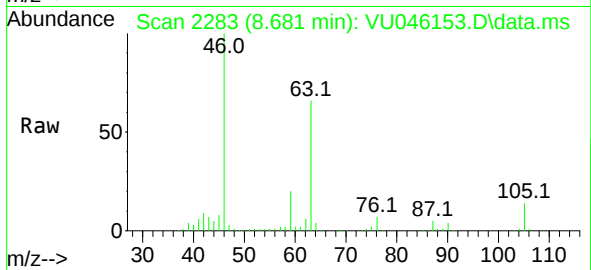
Tgt Ion: 164 Resp: 5029
Ion Ratio Lower Upper
164 100
129 99.5 71.1 132.1
131 90.5 67.8 126.0
166 127.5 90.6 168.2



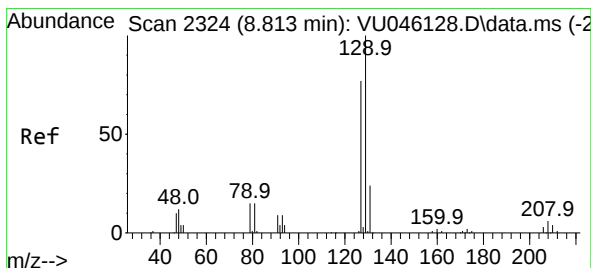
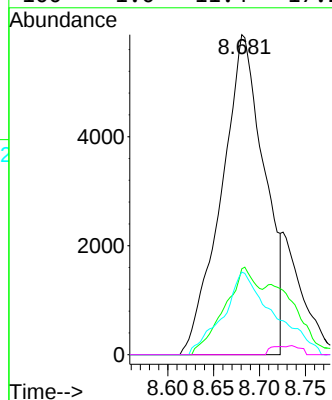
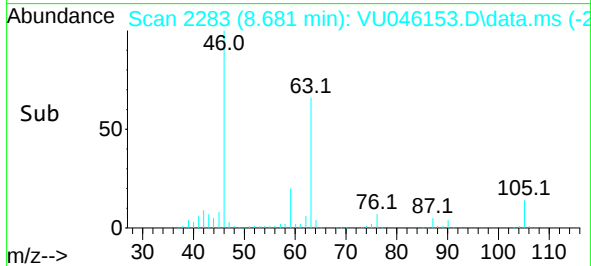


#48
2-Hexanone
Concen: 12.833 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.006 min
Lab File: VU046153.D
Acq: 07 Dec 2021 20:41

Instrument :
MSVOA_U
ClientSampleId :

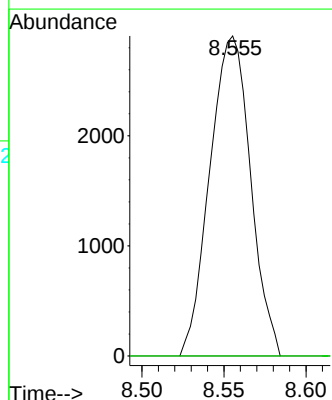
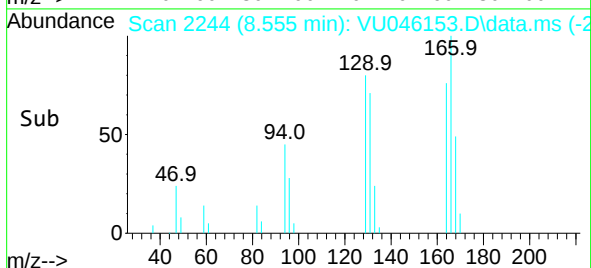
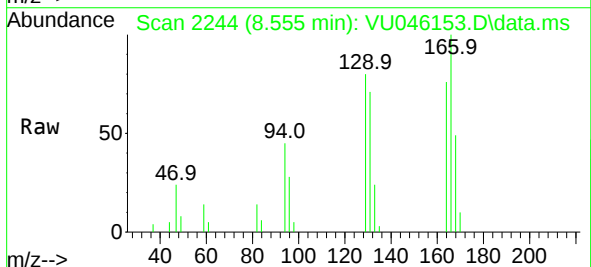


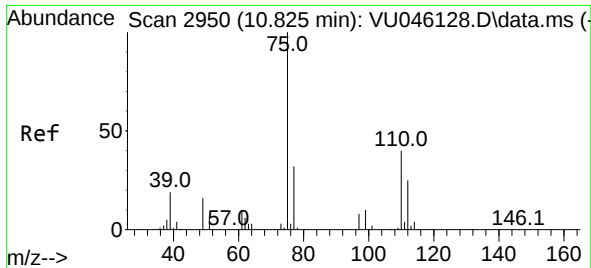
Tgt Ion: 43 Resp: 19141
Ion Ratio Lower Upper
43 100
58 21.7 47.4 71.2#
57 28.0 16.6 25.0#
100 1.0 11.4 17.2#



#49
Dibromochloromethane
Concen: 4.200 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU046153.D
Acq: 07 Dec 2021 20:41

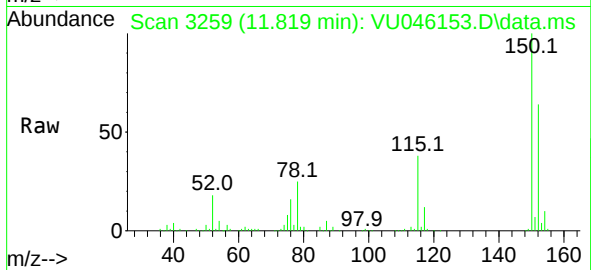
Tgt Ion: 129 Resp: 5023
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#





#60
 1,2,3-Trichloropropane
 Concen: 5.217 ug/L
 RT: 11.819 min Scan# 31
 Delta R.T. 0.994 min
 Lab File: VU046153.D
 Acq: 07 Dec 2021 20:41

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 8388
 Ion Ratio Lower Upper
 75 100
 77 33.6 26.4 39.6
 110 0.5 32.4 48.6#

