

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
 Data File : VU046172.D
 Acq On : 08 Dec 2021 13:58
 Operator : SY/MD
 Sample : M4887-04ME
 Misc : 5.31g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 09 04:35:58 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	241820	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	234872	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	120630	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	98699	49.548	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.100%
7) Chloroethane-d5	1.919	69	70827	46.309	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.620%
11) 1,1-Dichloroethene-d2	2.549	63	104880	29.329	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.660%#
21) 2-Butanone-d5	4.655	46	175659	110.928	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.930%
24) Chloroform-d	5.063	84	169325	50.902	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.800%
26) 1,2-Dichloroethane-d4	5.703	65	126361	56.601	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.200%
32) Benzene-d6	5.726	84	408018	60.610	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	121.220%
36) 1,2-Dichloropropane-d6	6.690	67	126864	60.808	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	121.620%#
41) Toluene-d8	7.899	98	378641	61.775	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	123.560%#
43) trans-1,3-Dichloroprop...	8.182	79	65627	65.162	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	130.320%#
47) 2-Hexanone-d5	8.681	63	132693	134.142	ug/L	0.05
Spiked Amount	100.000	Range	45 - 130	Recovery	=	134.140%#
56) 1,1,2,2-Tetrachloroeth...	10.774	84	184789	58.404	ug/L	0.02
Spiked Amount	50.000	Range	65 - 120	Recovery	=	116.800%
66) 1,2-Dichlorobenzene-d4	12.201	152	151853	65.366	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	130.740%#

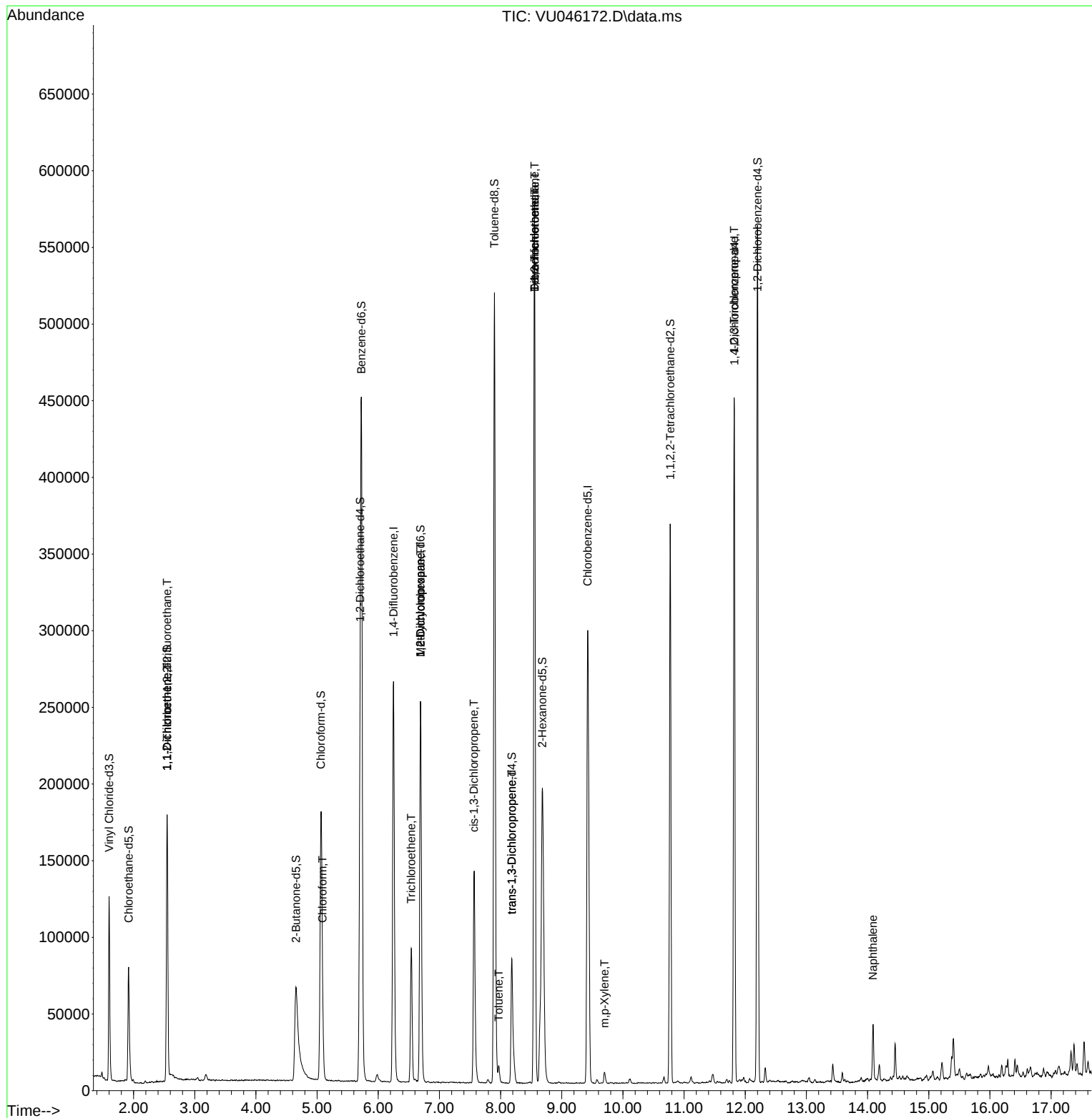
Target Compounds					Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.549	101	1050	0.597 ug/L #	21
12) 1,1-Dichloroethene	2.549	96	754	0.451 ug/L #	1
25) Chloroform	5.089	83	23390	6.543 ug/L	99
34) Trichloroethene	6.539	95	29406	15.702 ug/L	95
35) Methylcyclohexane	6.690	83	31154	10.729 ug/L #	20
37) 1,2-Dichloropropane	6.690	63	13491	7.245 ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	3750	1.324 ug/L #	68
42) Toluene	7.970	91	9361	1.227 ug/L	99
44) trans-1,3-Dichloropropene	8.182	75	2548	0.916 ug/L #	61
45) 1,1,2-Trichloroethane	8.555	97	1183	0.633 ug/L #	1
46) Tetrachloroethene	8.555	164	135825	98.694 ug/L	97
49) Dibromochloromethane	8.555	129	131142	66.846 ug/L #	10
53) m,p-Xylene	9.700	106	2825	0.882 ug/L	93
60) 1,2,3-Trichloropropane	11.819	75	13513	5.110 ug/L #	65
71) Naphthalene	14.089	128	28003	3.338 ug/L	99

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

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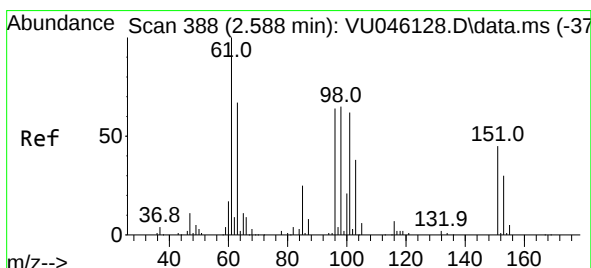
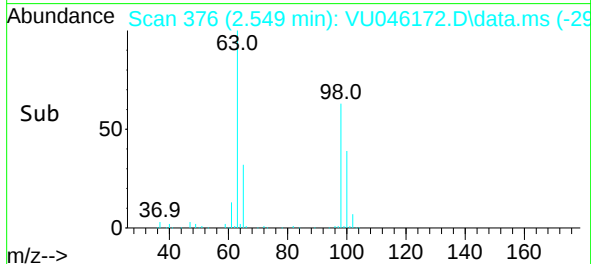
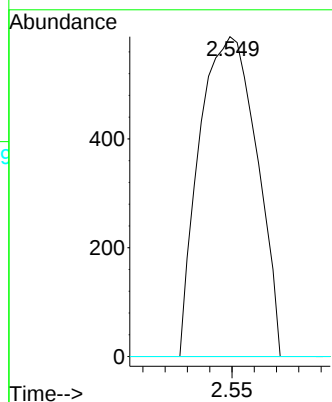
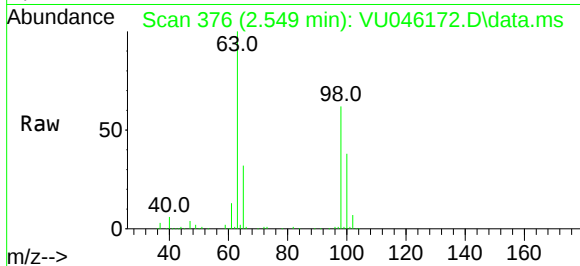




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.597 ug/L
 RT: 2.549 min Scan# 376
 Delta R.T. -0.039 min
 Lab File: VU046172.D
 Acq: 08 Dec 2021 13:58

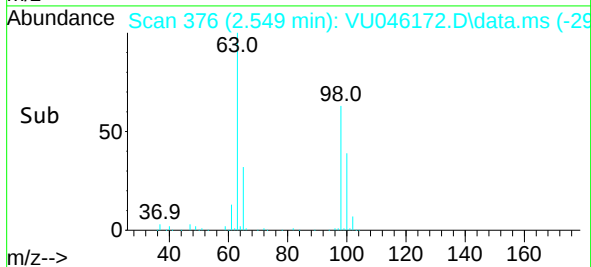
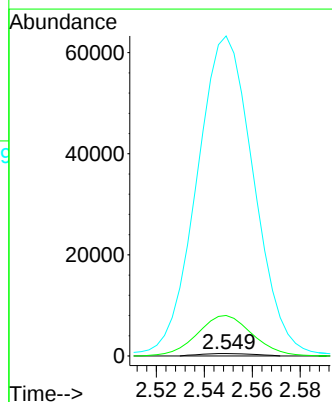
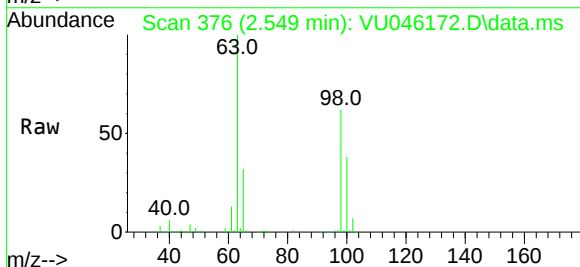
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 MSVOA_U
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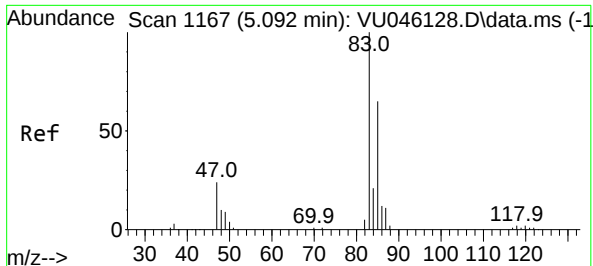
Tgt Ion:101 Resp: 1050
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 0.451 ug/L
 RT: 2.549 min Scan# 376
 Delta R.T. -0.035 min
 Lab File: VU046172.D
 Acq: 08 Dec 2021 13:58

Tgt Ion: 96 Resp: 754
 Ion Ratio Lower Upper
 96 100
 61 1633.7 118.6 220.2#
 63 12919.2 93.0 172.8#





#25

Chloroform

Concen: 6.543 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU046172.D

Acq: 08 Dec 2021 13:58

Instrument :

MSVOA_U

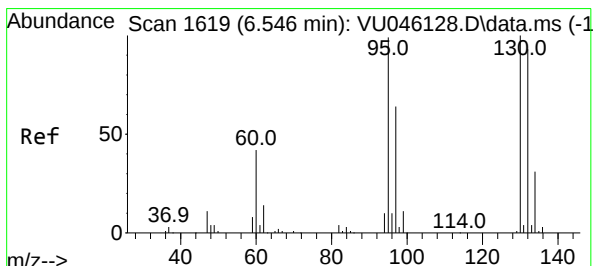
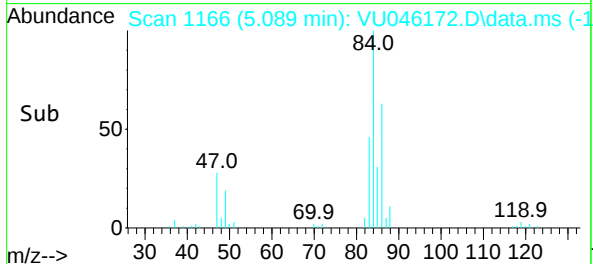
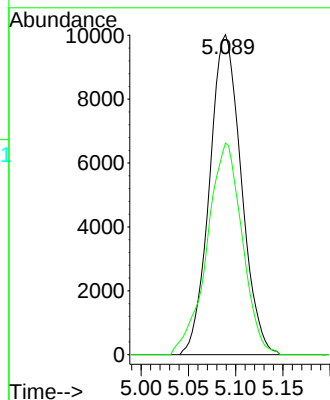
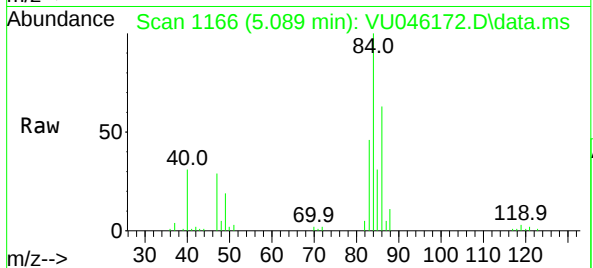
ClientSampleId :

Tgt Ion: 83 Resp: 23390

Ion Ratio Lower Upper

83 100

85 66.2 45.8 85.2



#34

Trichloroethene

Concen: 15.702 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. -0.006 min

Lab File: VU046172.D

Acq: 08 Dec 2021 13:58

Tgt Ion: 95 Resp: 29406

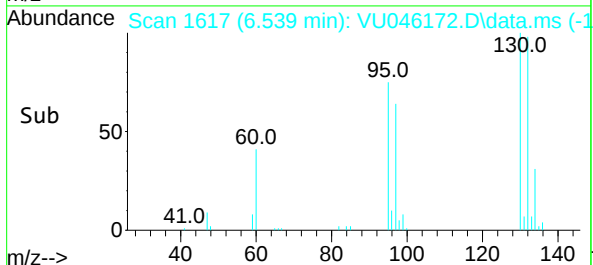
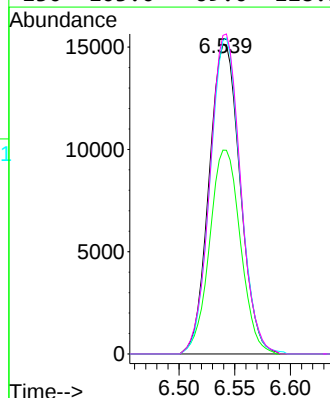
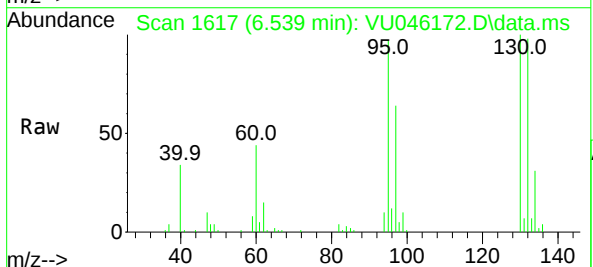
Ion Ratio Lower Upper

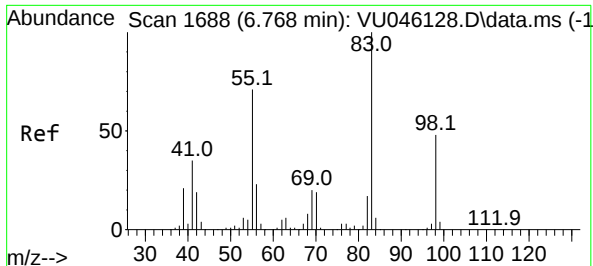
95 100

97 65.9 44.1 81.9

132 101.3 66.8 124.0

130 103.0 69.0 128.1

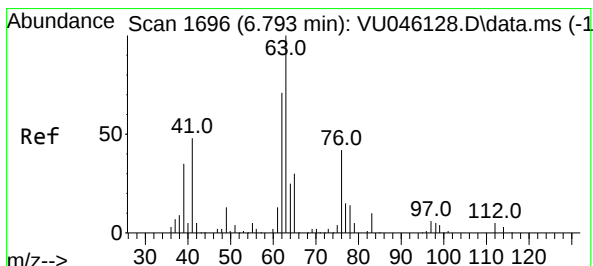
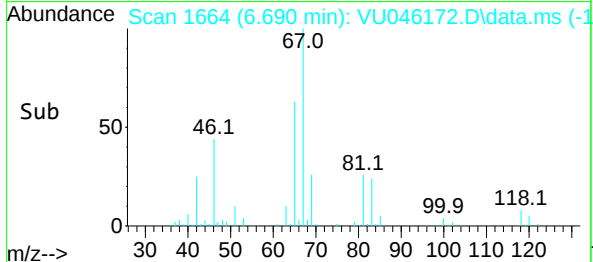
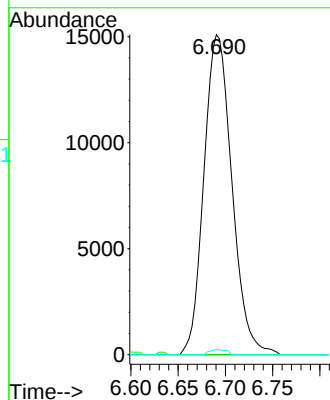
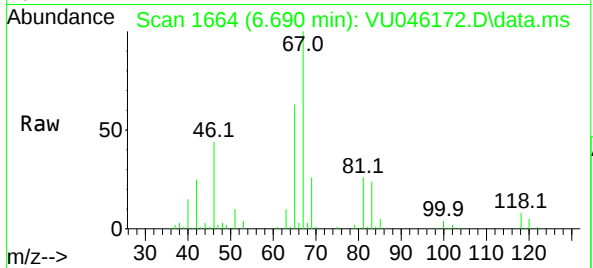




#35
Methylcyclohexane
Concen: 10.729 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.077 min
Lab File: VU046172.D
Acq: 08 Dec 2021 13:58

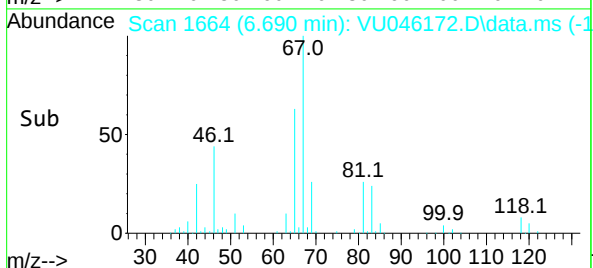
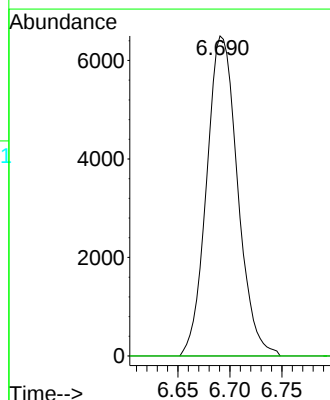
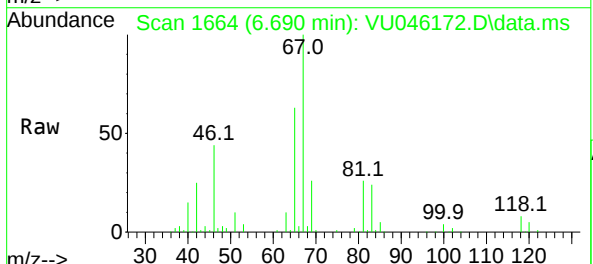
Instrument :
MSVOA_U
ClientSampleId :

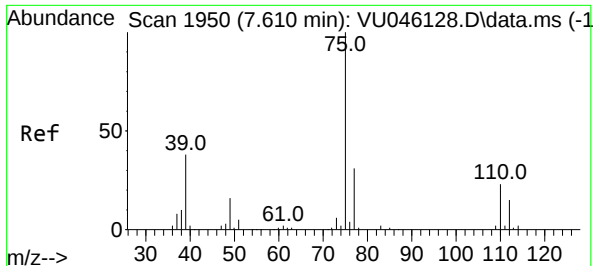
Tgt Ion: 83 Resp: 31154
Ion Ratio Lower Upper
83 100
55 0.2 57.8 86.6#
98 1.0 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 7.245 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.103 min
Lab File: VU046172.D
Acq: 08 Dec 2021 13:58

Tgt Ion: 63 Resp: 13491
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 1.324 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU046172.D

Acq: 08 Dec 2021 13:58

Instrument :

MSVOA_U

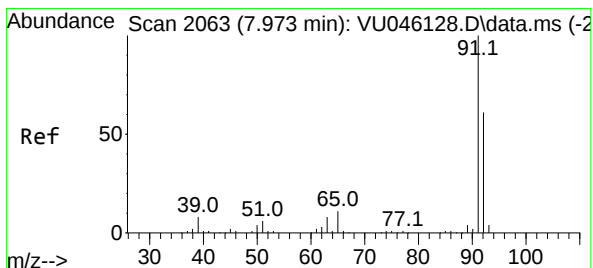
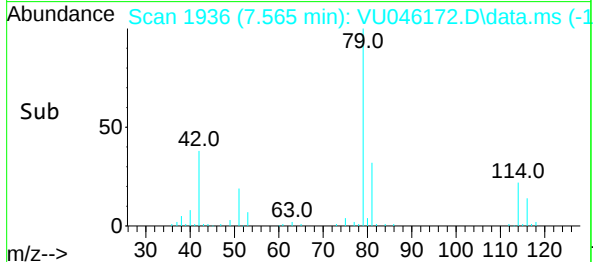
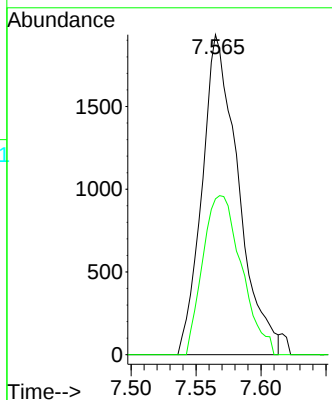
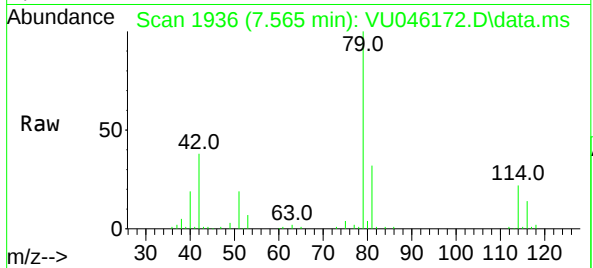
ClientSampleId :

Tgt Ion: 75 Resp: 3750

Ion Ratio Lower Upper

75 100

77 48.7 21.8 40.6#



#42

Toluene

Concen: 1.227 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU046172.D

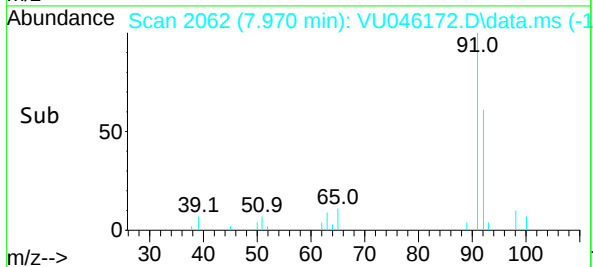
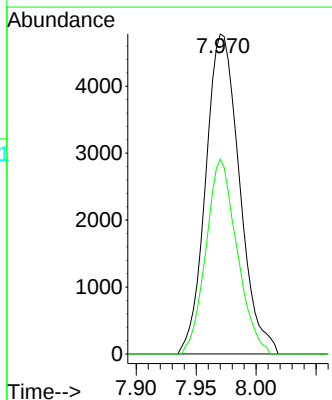
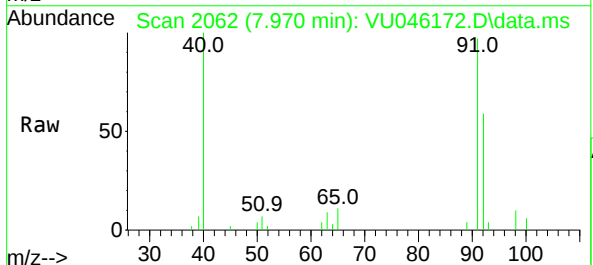
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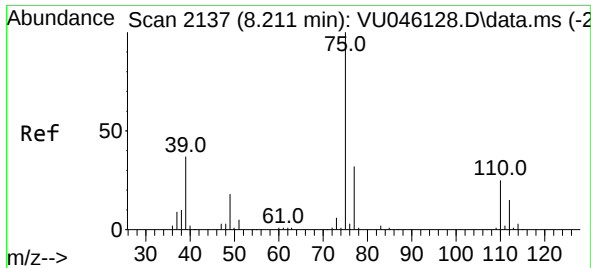
Tgt Ion: 91 Resp: 9361

Ion Ratio Lower Upper

91 100

92 60.9 41.9 77.7

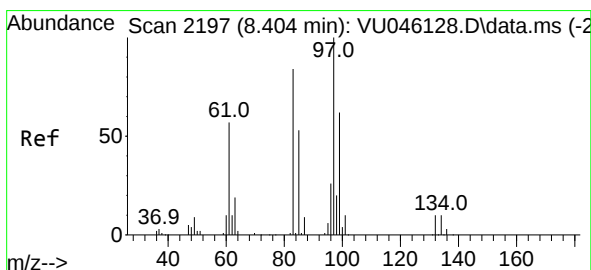
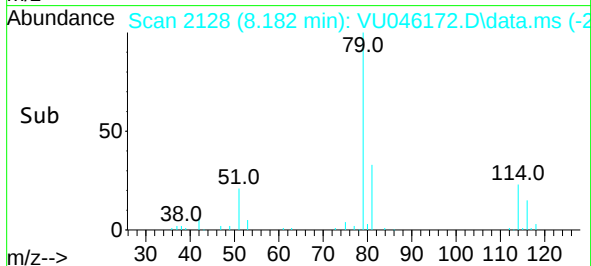
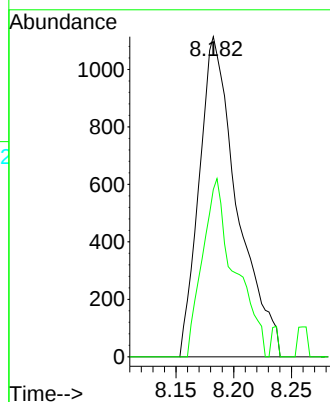
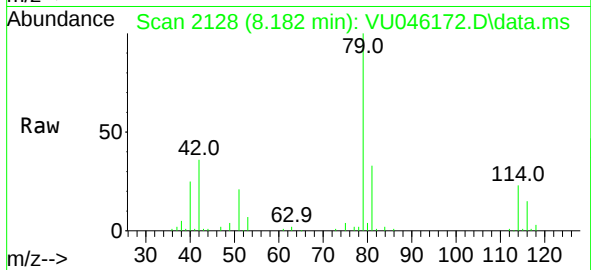




#44
trans-1,3-Dichloropropene
Concen: 0.916 ug/L
RT: 8.182 min Scan# 2137
Delta R.T. -0.032 min
Lab File: VU046172.D
Acq: 08 Dec 2021 13:58

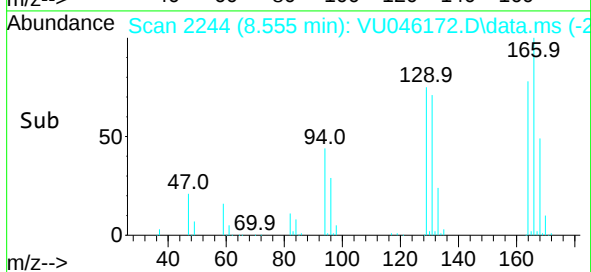
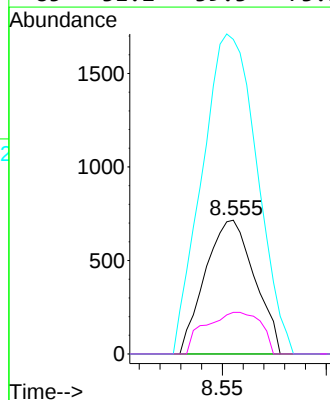
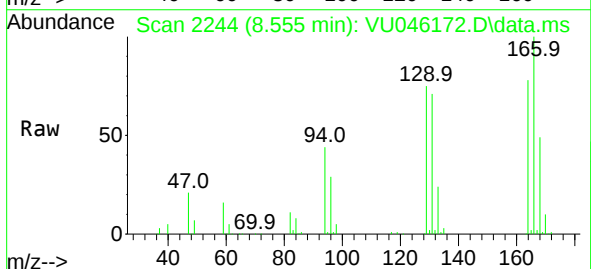
Instrument :
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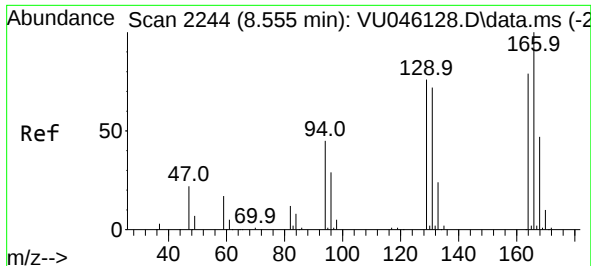
Tgt Ion: 75 Resp: 2548
Ion Ratio Lower Upper
75 100
77 52.2 21.7 40.3#



#45
1,1,2-Trichloroethane
Concen: 0.633 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.151 min
Lab File: VU046172.D
Acq: 08 Dec 2021 13:58

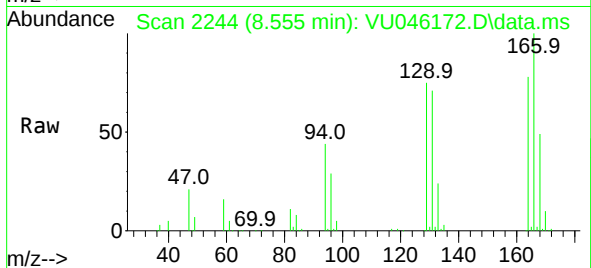
Tgt Ion: 97 Resp: 1183
Ion Ratio Lower Upper
97 100
99 0.0 44.7 82.9#
83 235.2 60.2 111.8#
85 31.2 39.3 73.1#



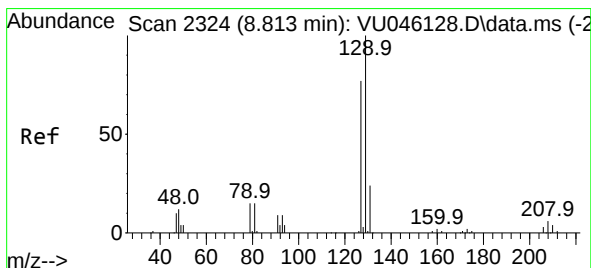
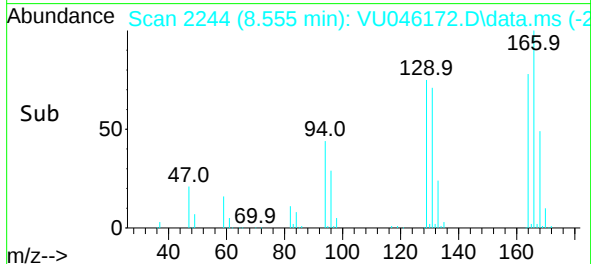
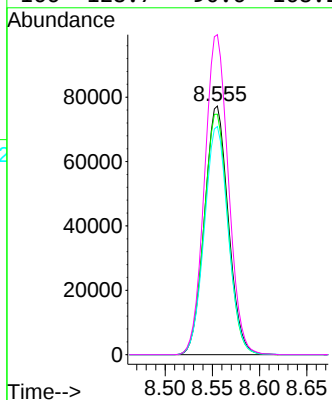


#46
Tetrachloroethene
Concen: 98.694 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046172.D
Acq: 08 Dec 2021 13:58

Instrument :
MSVOA_U
ClientSampleId :

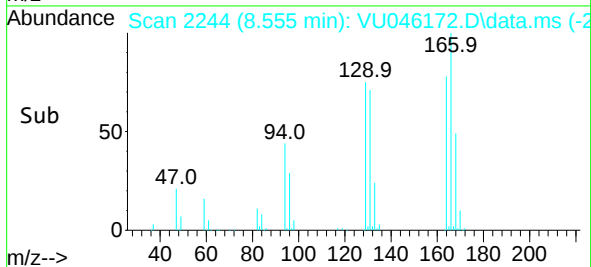
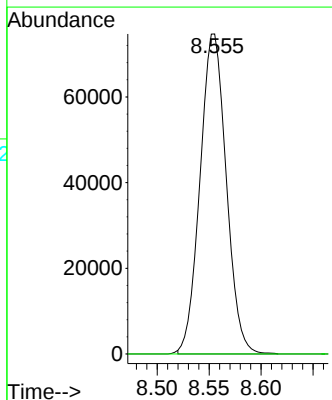
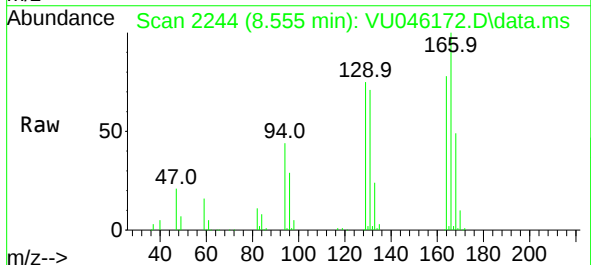


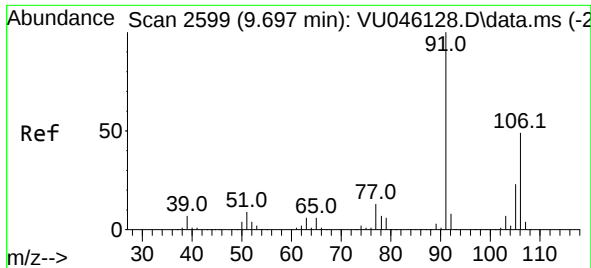
Tgt Ion:164 Resp: 135825
Ion Ratio Lower Upper
164 100
129 96.7 71.1 132.1
131 91.8 67.8 126.0
166 128.7 90.6 168.2



#49
Dibromochloromethane
Concen: 66.846 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU046172.D
Acq: 08 Dec 2021 13:58

Tgt Ion:129 Resp: 131142
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#

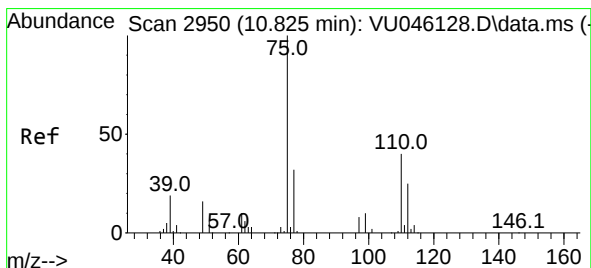
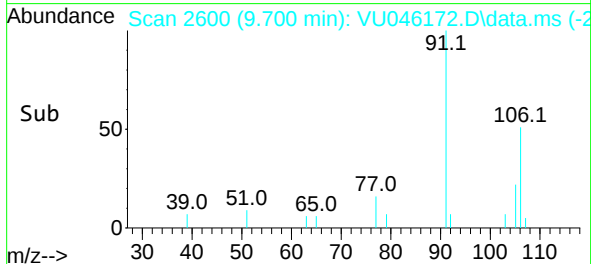
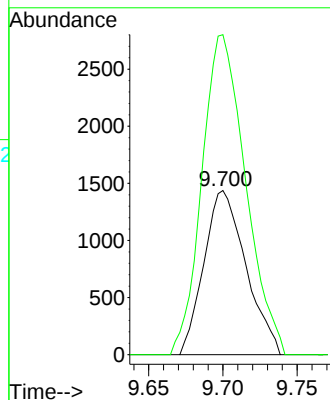
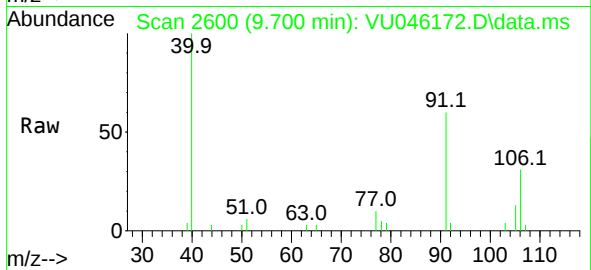




#53
m,p-Xylene
Concen: 0.882 ug/L
RT: 9.700 min Scan# 2100
Delta R.T. 0.003 min
Lab File: VU046172.D
Acq: 08 Dec 2021 13:58

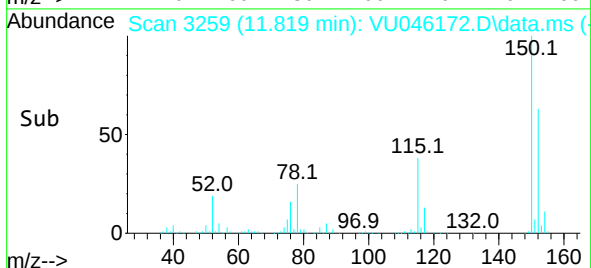
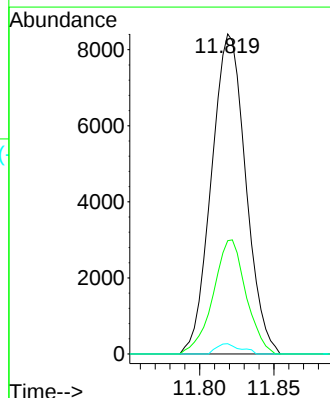
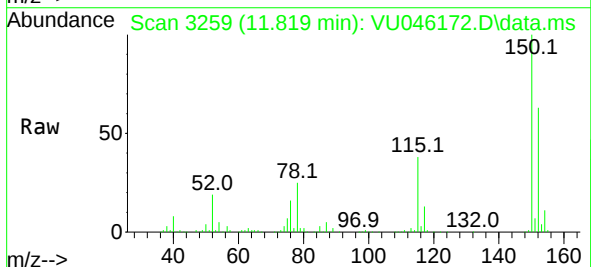
Instrument :
MSVOA_U
ClientSampleId :

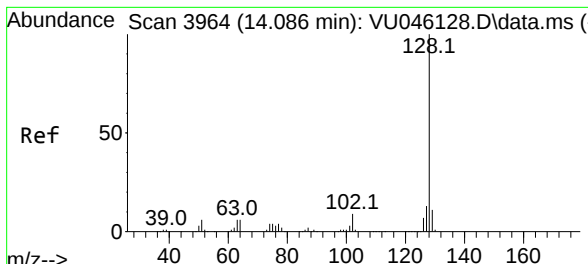
Tgt Ion:106 Resp: 2825
Ion Ratio Lower Upper
106 100
91 195.0 144.3 268.1



#60
1,2,3-Trichloropropane
Concen: 5.110 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.994 min
Lab File: VU046172.D
Acq: 08 Dec 2021 13:58

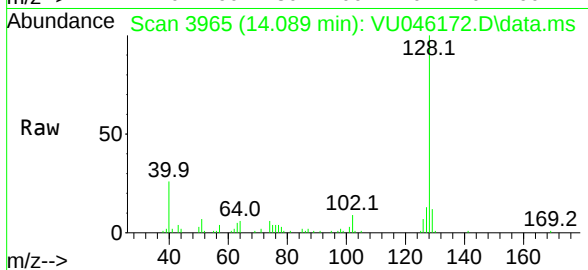
Tgt Ion: 75 Resp: 13513
Ion Ratio Lower Upper
75 100
77 34.1 26.4 39.6
110 1.9 32.4 48.6#





#71
Naphthalene
Concen: 3.338 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU046172.D
Acq: 08 Dec 2021 13:58

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	28003
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	11.5	8.6	13.0

