

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102021\
 Data File : VU045341.D
 Acq On : 20 Oct 2021 12:17
 Operator : SY/MD
 Sample : VU1020MBL04
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 21 01:58:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 21 01:57:14 2021
 Response via : Initial Calibration

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

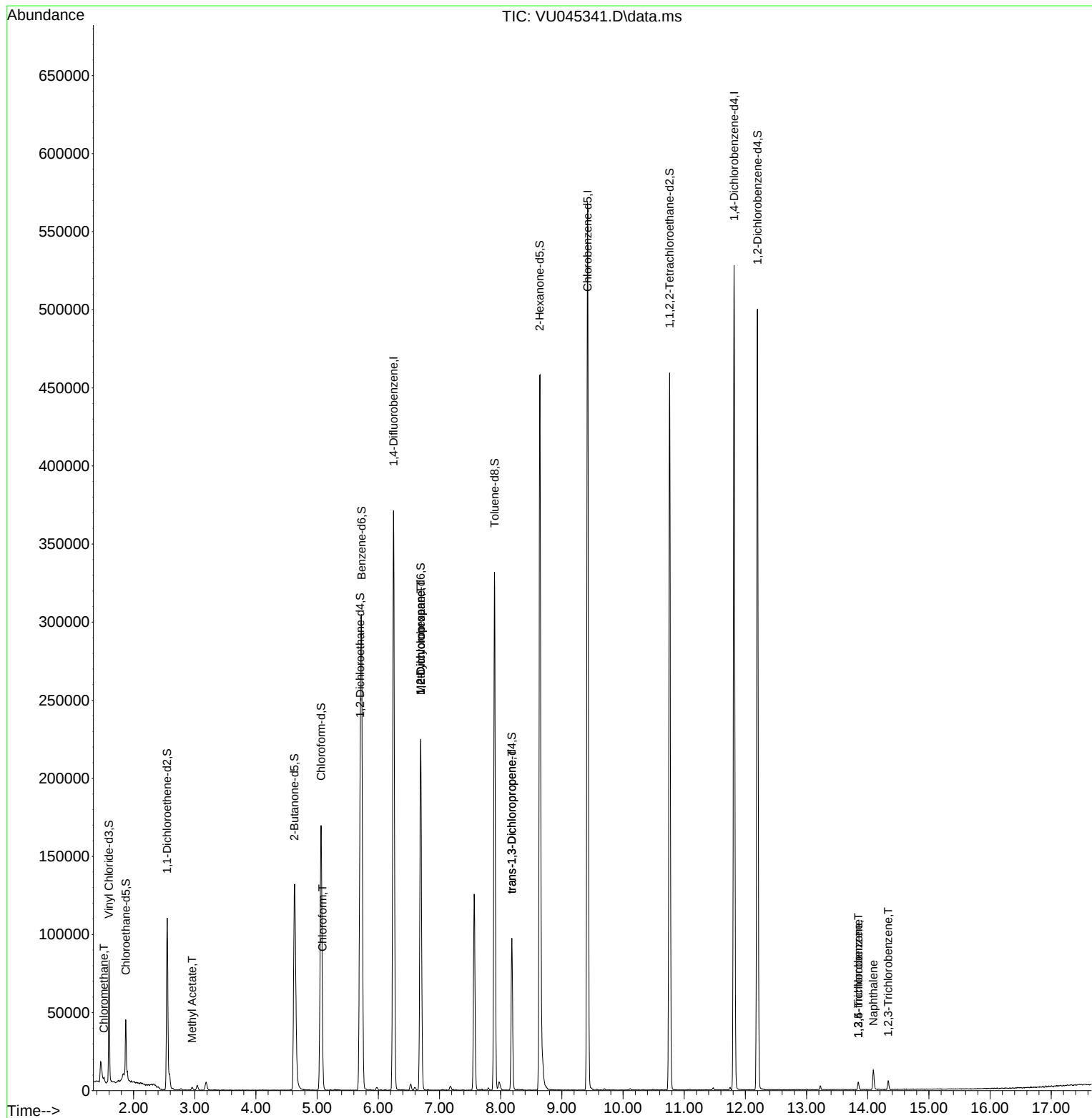
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	293400	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	299946	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	134123	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	51877	40.589	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.180%
7) Chloroethane-d5	1.874	69	20591	16.859	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	33.720%#
11) 1,1-Dichloroethene-d2	2.549	63	66664	26.195	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.380%#
21) 2-Butanone-d5	4.629	46	208146	109.102	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.100%
24) Chloroform-d	5.064	84	155041	45.611	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.220%
26) 1,2-Dichloroethane-d4	5.703	65	112501	48.418	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.840%
32) Benzene-d6	5.726	84	259811	46.053	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.100%
36) 1,2-Dichloropropane-d6	6.694	67	104199	47.514	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.020%
41) Toluene-d8	7.899	98	210917	43.832	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.660%
43) trans-1,3-Dichloroprop...	8.182	79	53326	47.905	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.800%
47) 2-Hexanone-d5	8.639	63	166045	120.672	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.670%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	231351	55.803	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.600%
66) 1,2-Dichlorobenzene-d4	12.198	152	122619	52.693	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.380%
Target Compounds						Qvalue
3) Chloromethane	1.517	50	1666	0.688	ug/L	92
15) Methyl Acetate	2.957	43	2266	0.823	ug/L	97
25) Chloroform	5.086	83	2896	0.679	ug/L	99
35) Methylcyclohexane	6.694	83	24130	6.672	ug/L #	17
37) 1,2-Dichloropropane	6.694	63	11523	4.537	ug/L #	88
44) trans-1,3-Dichloropropene	8.182	75	2384	0.656	ug/L #	74
69) 1,3,5-Trichlorobenzene	13.848	180	1859	0.651	ug/L	94
70) 1,2,4-trichlorobenzene	13.848	180	1859	0.777	ug/L #	94
71) Naphthalene	14.092	128	11355	1.420	ug/L	97
72) 1,2,3-Trichlorobenzene	14.336	180	2110	0.883	ug/L	95

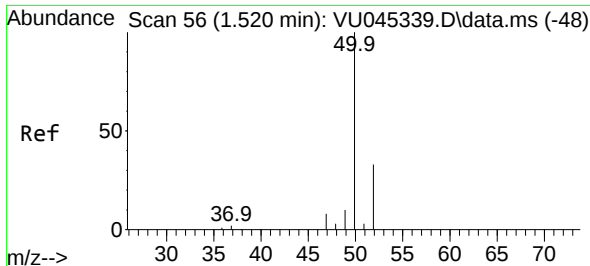
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Oct 21 01:58:08 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101921WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 21 01:57:14 2021
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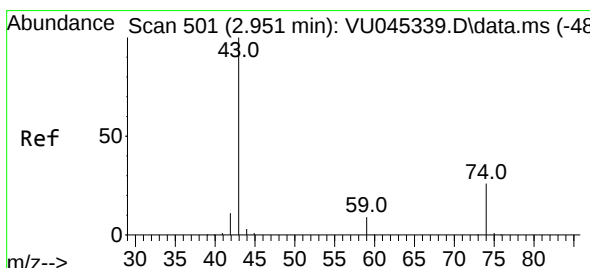
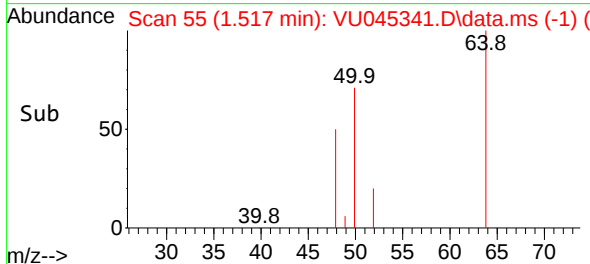
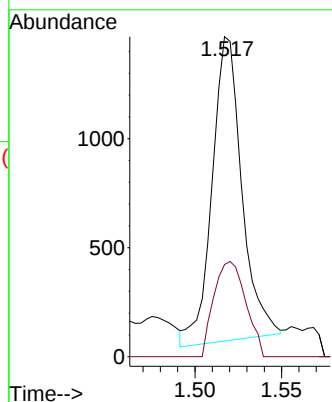
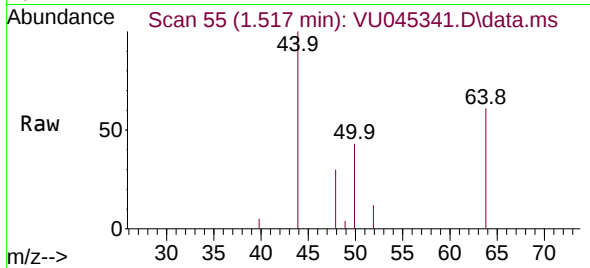




#3
Chloromethane
Concen: 0.688 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU045341.D
Acq: 20 Oct 2021 12:17

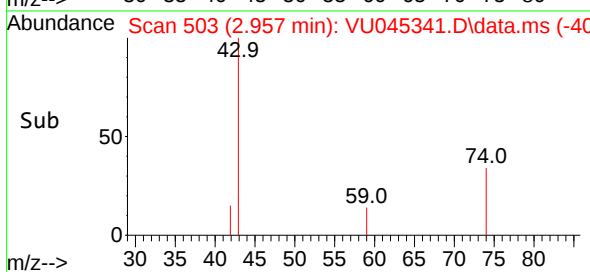
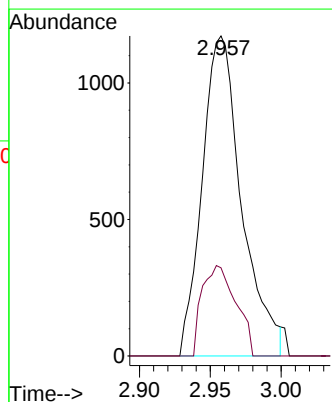
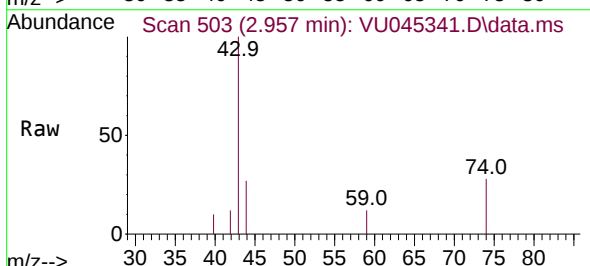
Instrument :
MSVOA_U
ClientSampled :

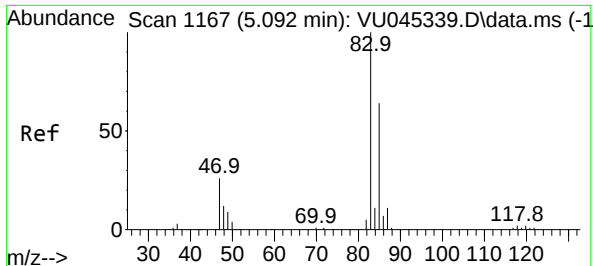
Tgt Ion: 50 Resp: 1666
Ion Ratio Lower Upper
50 100
52 28.8 23.2 43.0



#15
Methyl Acetate
Concen: 0.823 ug/L
RT: 2.957 min Scan# 503
Delta R.T. 0.007 min
Lab File: VU045341.D
Acq: 20 Oct 2021 12:17

Tgt Ion: 43 Resp: 2266
Ion Ratio Lower Upper
43 100
74 24.2 20.5 30.7





#25

Chloroform

Concen: 0.679 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.006 min

Lab File: VU045341.D

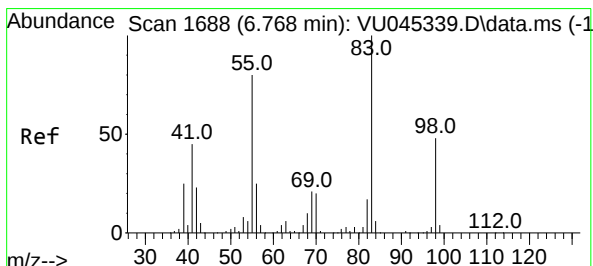
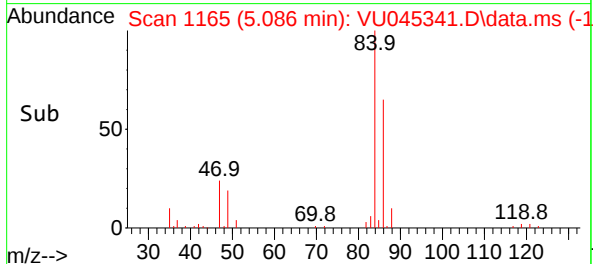
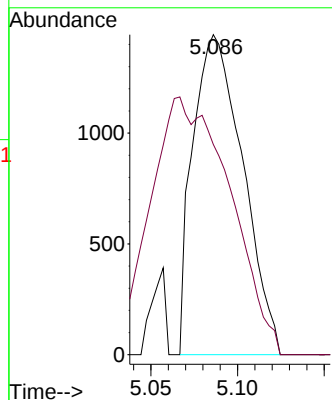
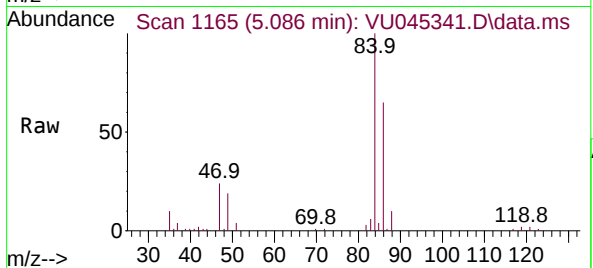
Acq: 20 Oct 2021 12:17

Tgt Ion: 83 Resp: 2896

Ion Ratio Lower Upper

83 100

85 65.7 45.4 84.2



#35

Methylcyclohexane

Concen: 6.672 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU045341.D

Acq: 20 Oct 2021 12:17

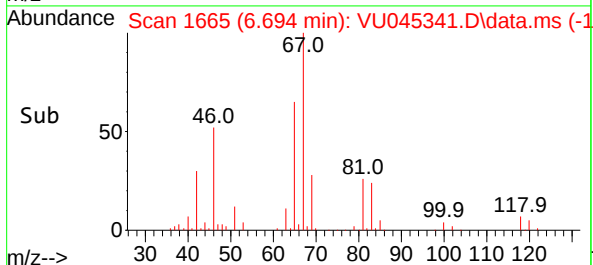
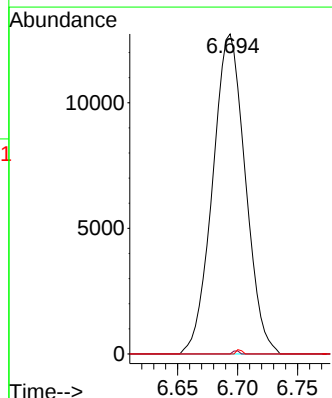
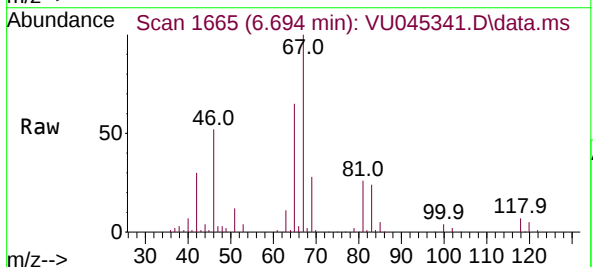
Tgt Ion: 83 Resp: 24130

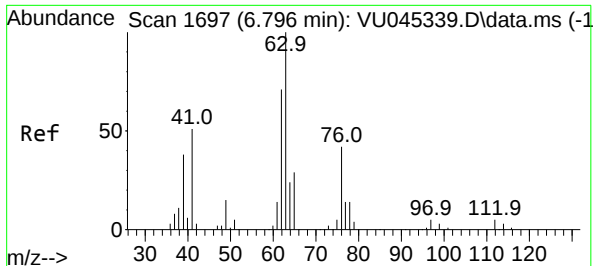
Ion Ratio Lower Upper

83 100

55 0.2 63.4 95.0#

98 0.2 37.9 56.9#



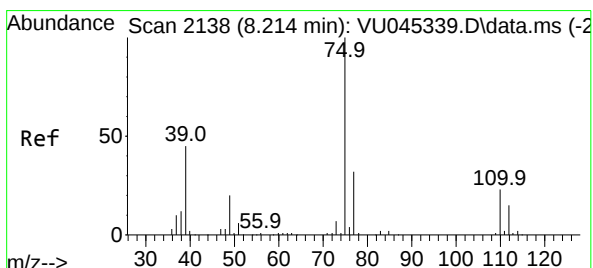
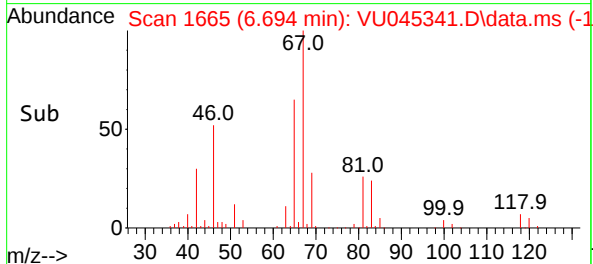
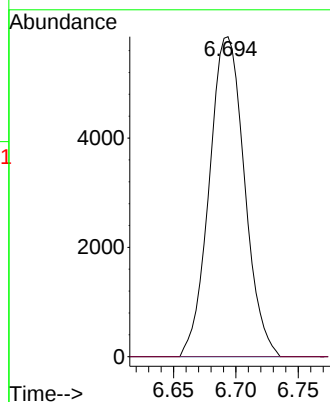
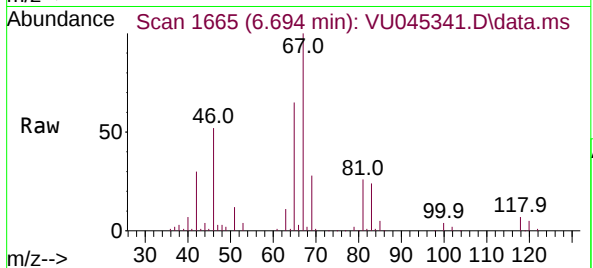


#37

1,2-Dichloropropane
Concen: 4.537 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU045341.D
Acq: 20 Oct 2021 12:17

Instrument :
MSVOA_U
ClientSampled :

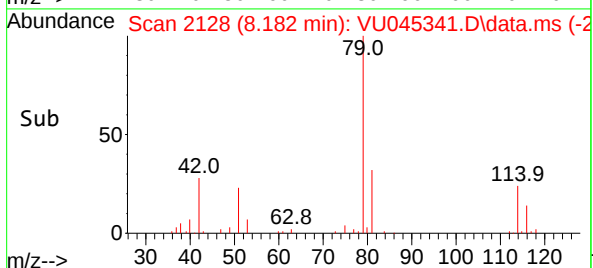
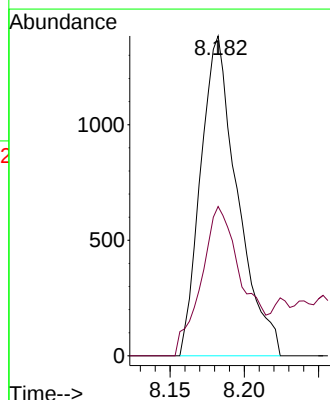
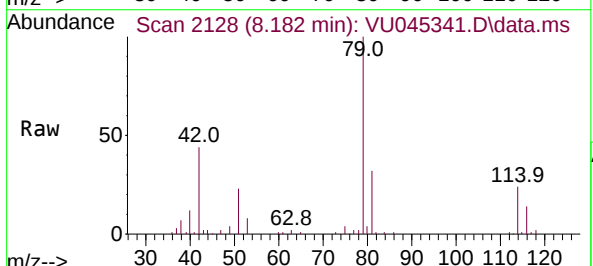
Tgt Ion: 63 Resp: 11523
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#

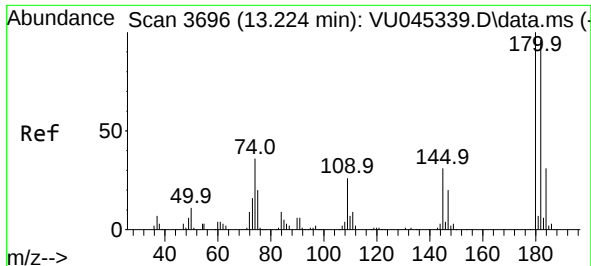


#44

trans-1,3-Dichloropropene
Concen: 0.656 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU045341.D
Acq: 20 Oct 2021 12:17

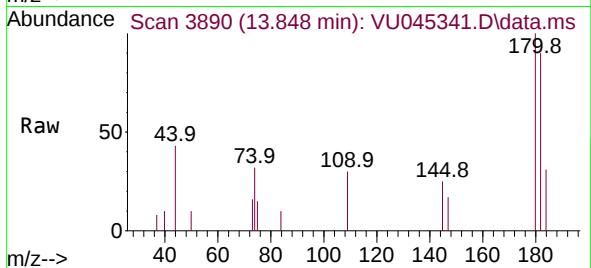
Tgt Ion: 75 Resp: 2384
Ion Ratio Lower Upper
75 100
77 46.7 22.5 41.9#



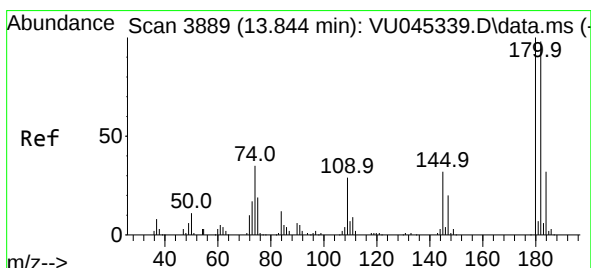
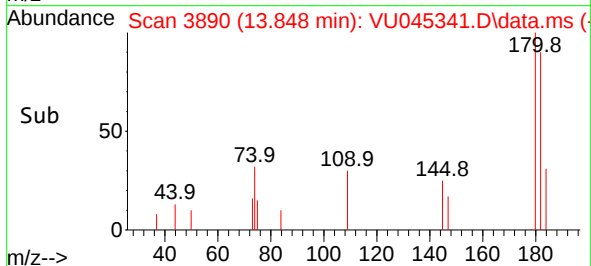
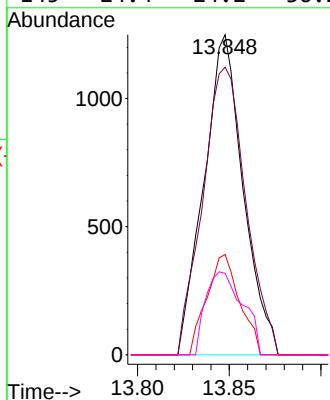


#69
1,3,5-Trichlorobenzene
Concen: 0.651 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. 0.624 min
Lab File: VU045341.D
Acq: 20 Oct 2021 12:17

Instrument :
MSVOA_U
ClientSampled :

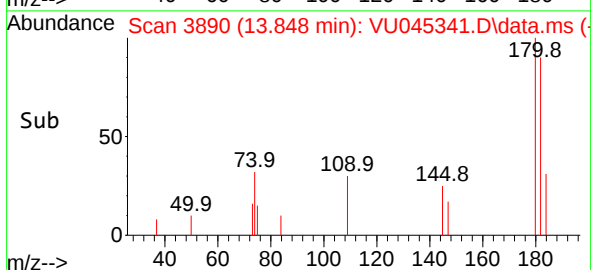
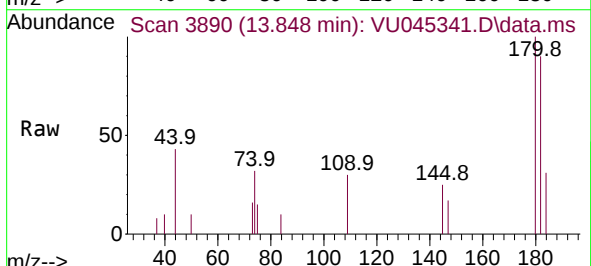
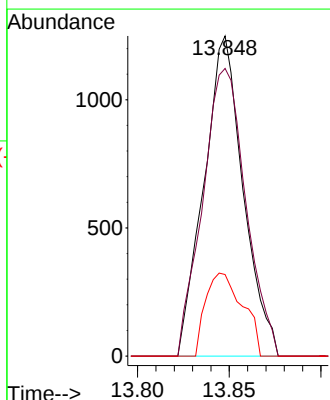


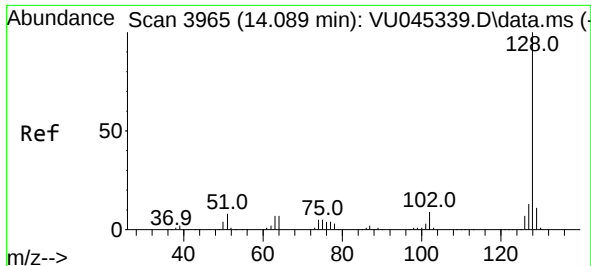
Tgt Ion:180 Resp: 1859
Ion Ratio Lower Upper
180 100
182 98.6 76.0 114.0
184 26.3 23.8 35.8
145 24.4 24.2 36.2



#70
1,2,4-trichlorobenzene
Concen: 0.777 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. 0.003 min
Lab File: VU045341.D
Acq: 20 Oct 2021 12:17

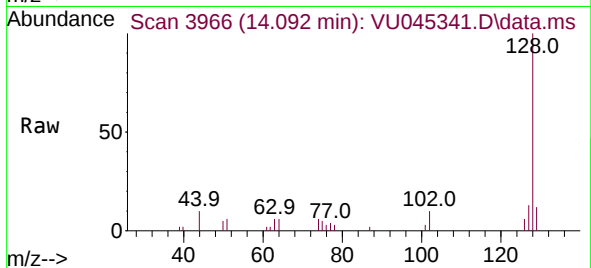
Tgt Ion:180 Resp: 1859
Ion Ratio Lower Upper
180 100
182 98.6 75.7 113.5
145 24.4 25.1 37.7#



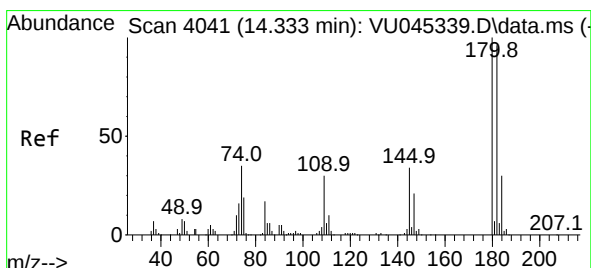
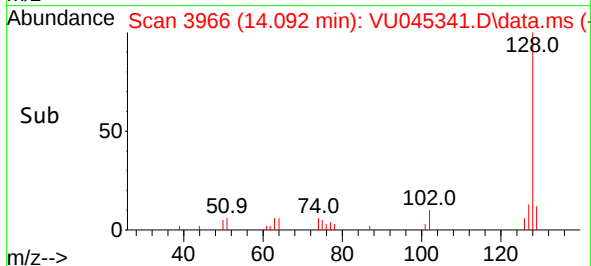
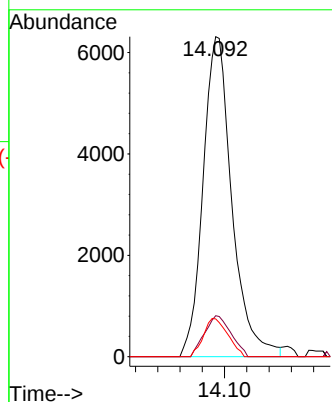


#71
Naphthalene
Concen: 1.420 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045341.D
Acq: 20 Oct 2021 12:17

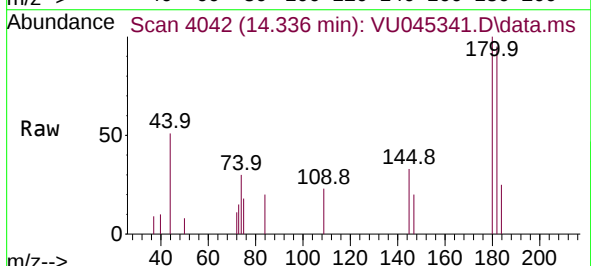
Instrument :
MSVOA_U
ClientSampled :



Tgt Ion:128 Resp: 11355
Ion Ratio Lower Upper
128 100
127 11.7 10.6 15.8
129 10.1 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 0.883 ug/L
RT: 14.336 min Scan# 4042
Delta R.T. 0.003 min
Lab File: VU045341.D
Acq: 20 Oct 2021 12:17



Tgt Ion:180 Resp: 2110
Ion Ratio Lower Upper
180 100
182 98.4 75.0 112.4
145 30.1 26.4 39.6

