

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100821\
 Data File : VU045255.D
 Acq On : 08 Oct 2021 16:40
 Operator : SY/MD
 Sample : M4027-03DL 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 09 05:32:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 09 05:29:23 2021
 Response via : Initial Calibration

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

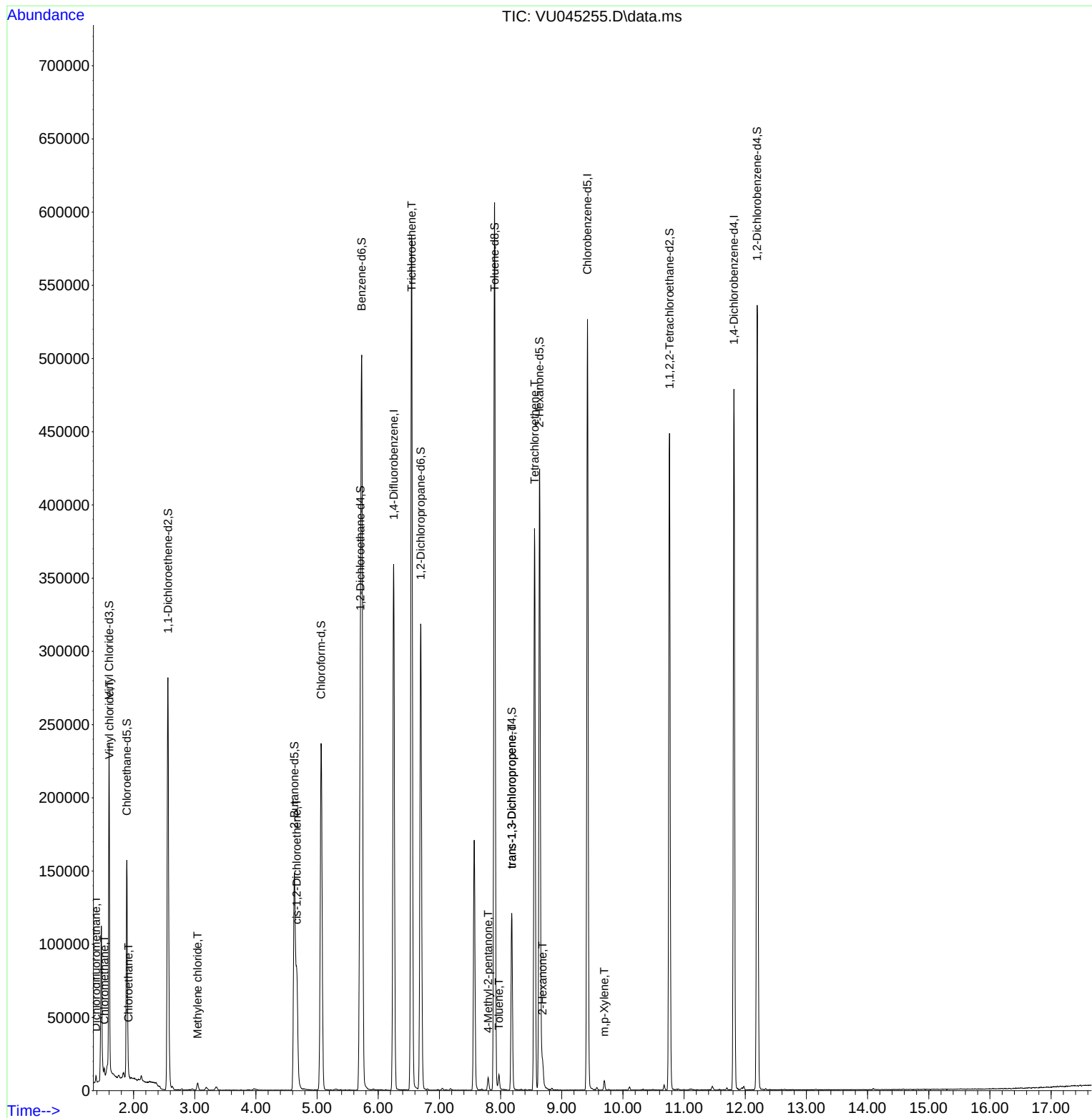
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	275588	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	266757	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	116627	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	140234	46.483	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.960%
7) Chloroethane-d5	1.890	69	112955	47.248	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.500%
11) 1,1-Dichloroethene-d2	2.562	63	171901	33.930	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.860%
21) 2-Butanone-d5	4.629	46	211526	88.688	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.690%
24) Chloroform-d	5.066	84	212259	44.547	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.100%
26) 1,2-Dichloroethane-d4	5.706	65	150835	46.734	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.460%
32) Benzene-d6	5.729	84	448340	48.436	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.880%
36) 1,2-Dichloropropane-d6	6.693	67	145180	48.102	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.200%
41) Toluene-d8	7.902	98	385111	48.211	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.420%
43) trans-1,3-Dichloroprop...	8.182	79	63782	47.507	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.020%
47) 2-Hexanone-d5	8.635	63	147435	88.147	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.150%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	223225	47.496	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	132079	52.038	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	2870	1.088	ug/L	97
3) Chloromethane	1.523	50	3551	1.080	ug/L	96
5) Vinyl chloride	1.604	62	4657	1.445	ug/L #	1
8) Chloroethane	1.916	64	1575	0.779	ug/L #	62
16) Methylene chloride	3.047	84	2289	0.847	ug/L	100
20) cis-1,2-Dichloroethene	4.668	96	34264	13.831	ug/L	97
34) Trichloroethene	6.546	95	197527	83.120	ug/L	98
40) 4-Methyl-2-pentanone	7.796	43	5775	1.283	ug/L	94
42) Toluene	7.973	91	6950	0.691	ug/L	98
44) trans-1,3-Dichloropropene	8.182	75	2796	0.763	ug/L #	74
46) Tetrachloroethene	8.555	164	78556	46.248	ug/L	98
48) 2-Hexanone	8.687	43	8015	2.009	ug/L	97
53) m,p-Xylene	9.697	106	1942	0.483	ug/L	97

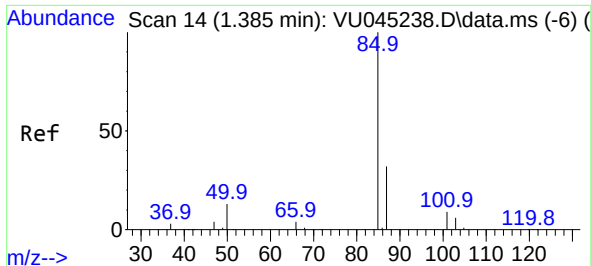
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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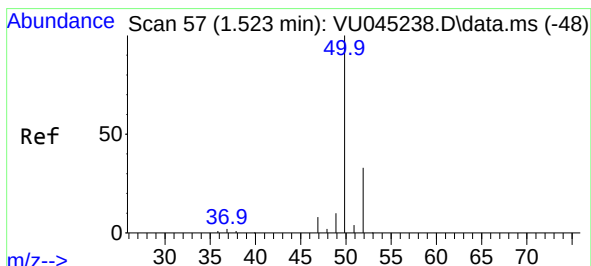
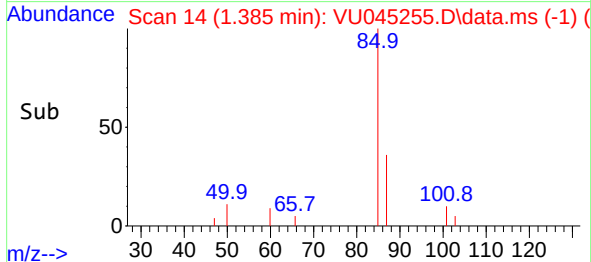
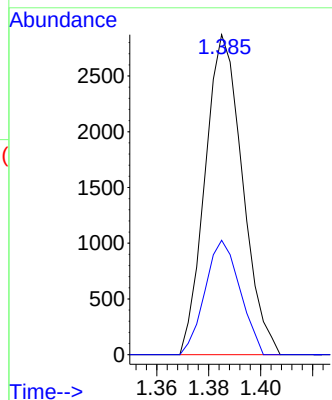
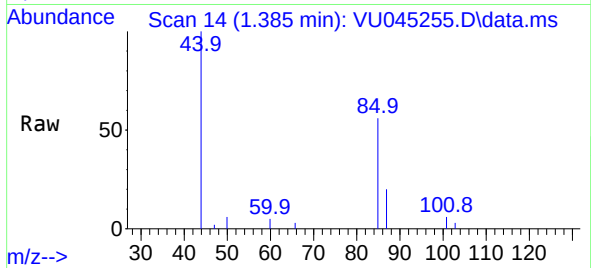




#2
Dichlorodifluoromethane
Concen: 1.088 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU045255.D
Acq: 08 Oct 2021 16:40

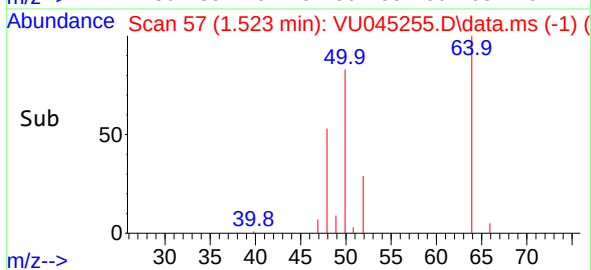
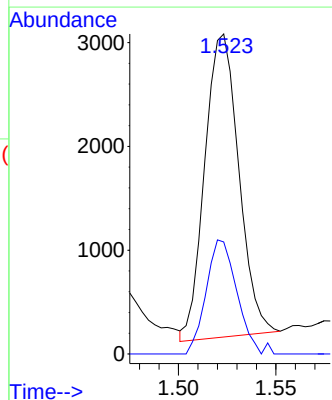
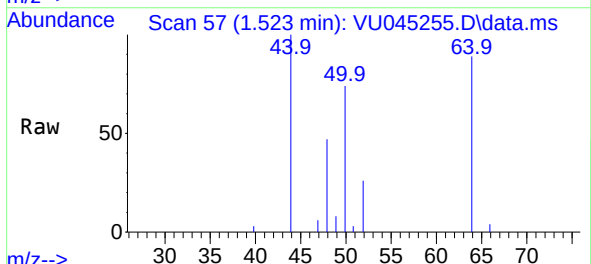
Instrument :
MSVOA_U
ClientSampled :

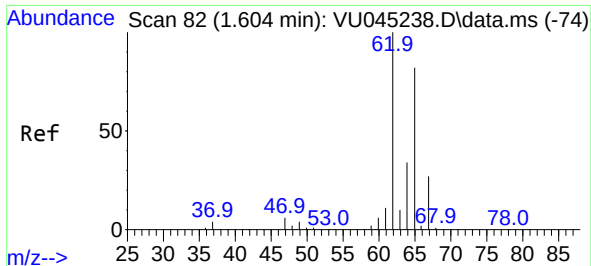
Tgt Ion: 85 Resp: 2870
Ion Ratio Lower Upper
85 100
87 33.4 25.2 37.8



#3
Chloromethane
Concen: 1.080 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU045255.D
Acq: 08 Oct 2021 16:40

Tgt Ion: 50 Resp: 3551
Ion Ratio Lower Upper
50 100
52 35.0 23.0 42.8

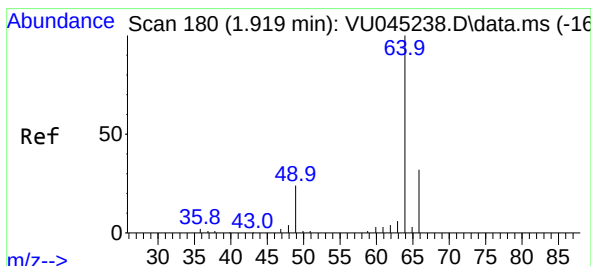
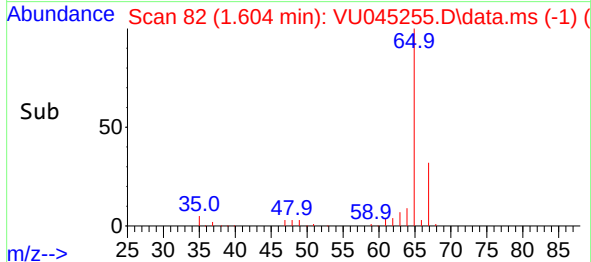
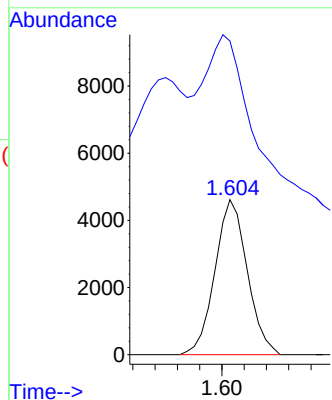
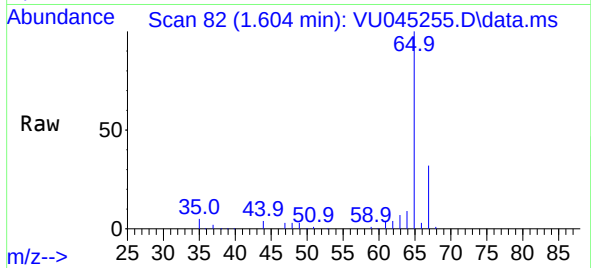




#5
 Vinyl chloride
 Concen: 1.445 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.000 min
 Lab File: VU045255.D
 Acq: 08 Oct 2021 16:40

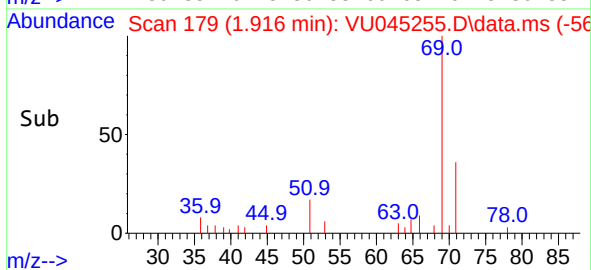
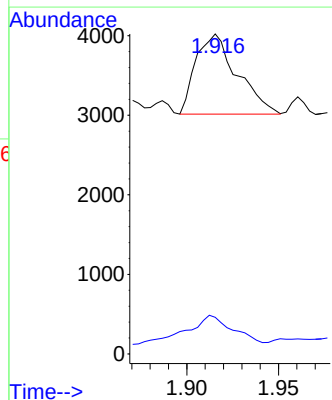
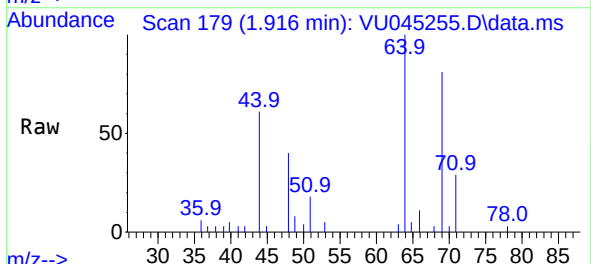
Instrument :
 MSVOA_U
 ClientSampled :

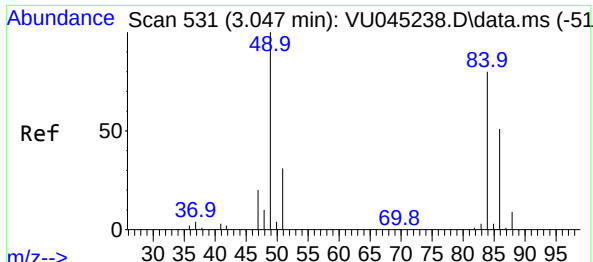
Tgt Ion: 62 Resp: 4657
 Ion Ratio Lower Upper
 62 100
 64 202.3 23.4 43.6#



#8
 Chloroethane
 Concen: 0.779 ug/L
 RT: 1.916 min Scan# 179
 Delta R.T. -0.003 min
 Lab File: VU045255.D
 Acq: 08 Oct 2021 16:40

Tgt Ion: 64 Resp: 1575
 Ion Ratio Lower Upper
 64 100
 66 10.9 22.3 41.3#



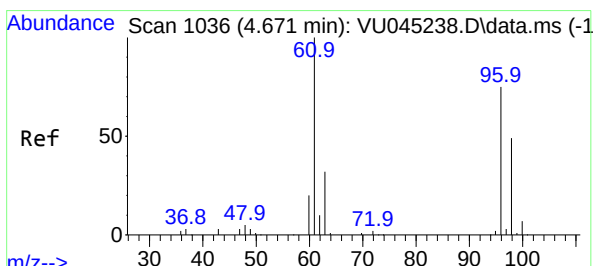
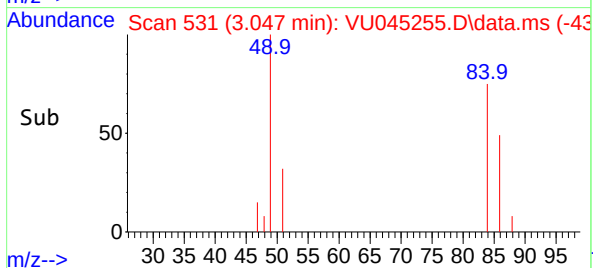
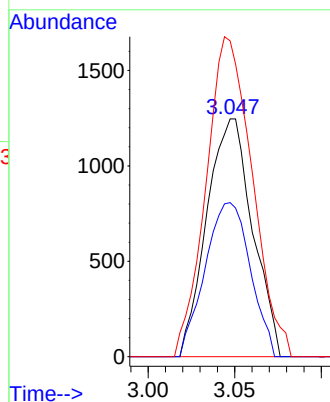
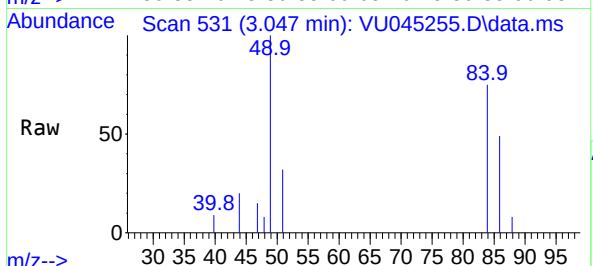


#16
Methylene chloride
Concen: 0.847 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU045255.D
Acq: 08 Oct 2021 16:40

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 84 Resp: 2289

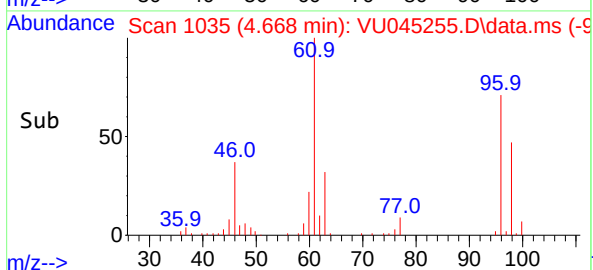
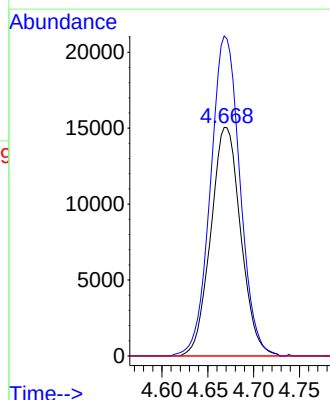
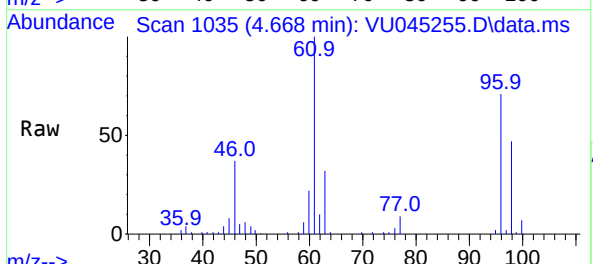
Ion	Ratio	Lower	Upper
84	100		
86	64.8	44.7	83.1
49	132.8	92.9	172.5

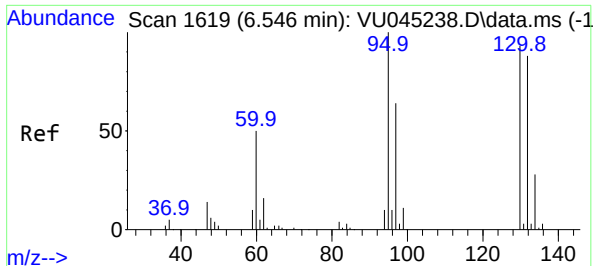


#20
cis-1,2-Dichloroethene
Concen: 13.831 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. -0.003 min
Lab File: VU045255.D
Acq: 08 Oct 2021 16:40

Tgt Ion: 96 Resp: 34264

Ion	Ratio	Lower	Upper
96	100		
61	140.0	100.2	186.0
68	0.0	0.0	0.0

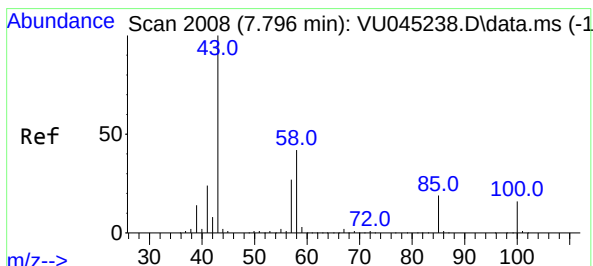
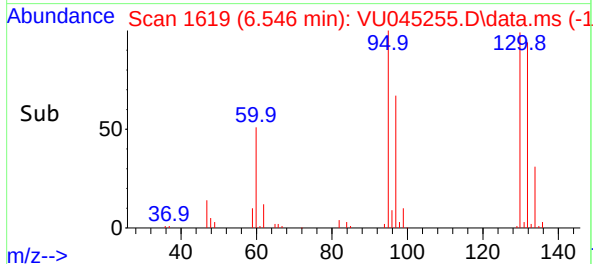
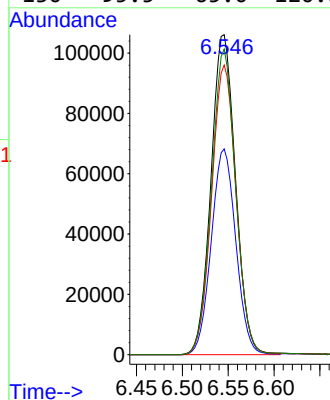
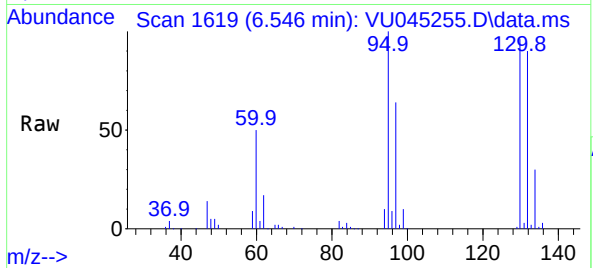




#34
Trichloroethene
Concen: 83.120 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU045255.D
Acq: 08 Oct 2021 16:40

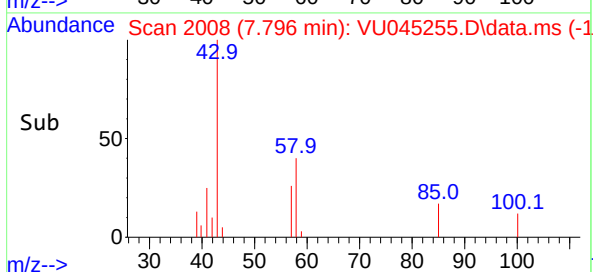
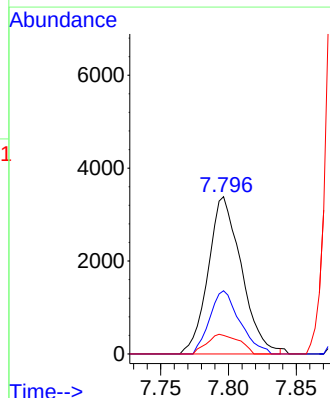
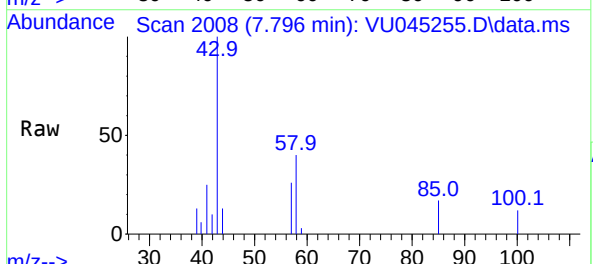
Instrument :
MSVOA_U
ClientSampleId :

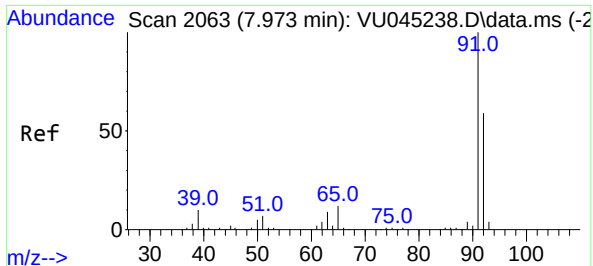
Tgt Ion: 95 Resp: 197527
Ion Ratio Lower Upper
95 100
97 64.3 44.4 82.4
132 90.5 62.9 116.9
130 95.5 65.0 120.8



#40
4-Methyl-2-pentanone
Concen: 1.283 ug/L
RT: 7.796 min Scan# 2008
Delta R.T. -0.000 min
Lab File: VU045255.D
Acq: 08 Oct 2021 16:40

Tgt Ion: 43 Resp: 5775
Ion Ratio Lower Upper
43 100
58 36.4 31.8 47.8
100 12.0 11.8 17.6





#42

Toluene

Concen: 0.691 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU045255.D

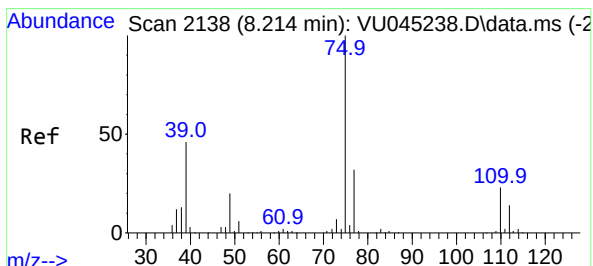
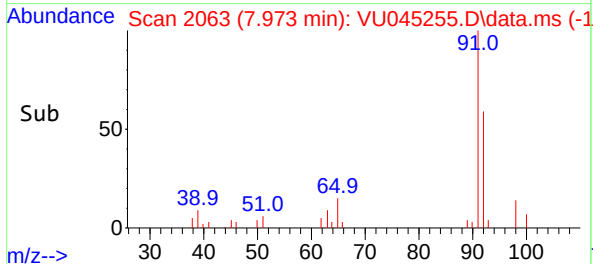
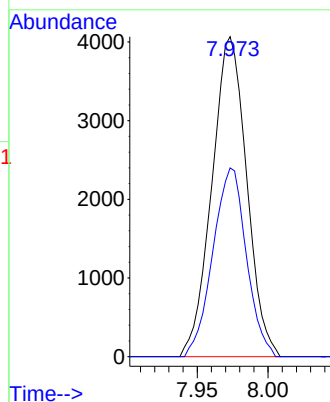
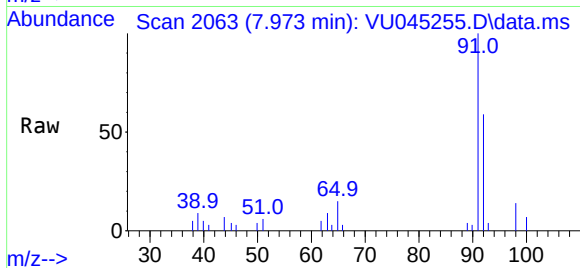
Acq: 08 Oct 2021 16:40

Tgt Ion: 91 Resp: 6950

Ion Ratio Lower Upper

91 100

92 59.0 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 0.763 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.032 min

Lab File: VU045255.D

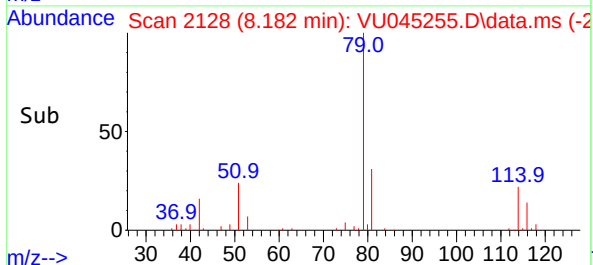
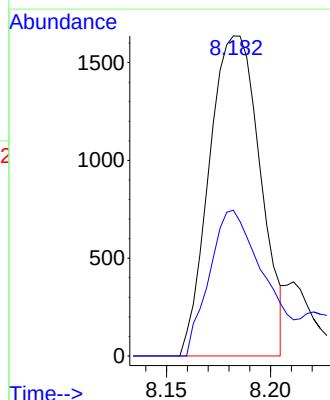
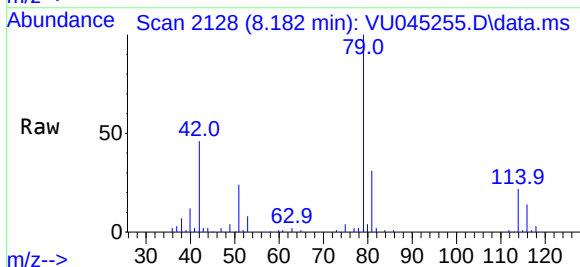
Acq: 08 Oct 2021 16:40

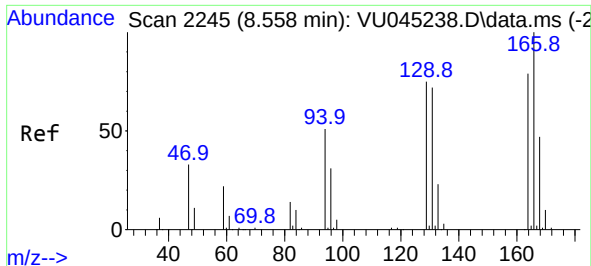
Tgt Ion: 75 Resp: 2796

Ion Ratio Lower Upper

75 100

77 45.5 21.7 40.3#

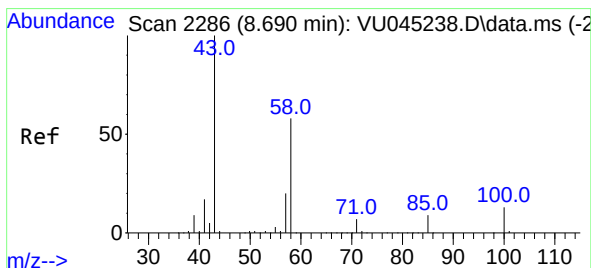
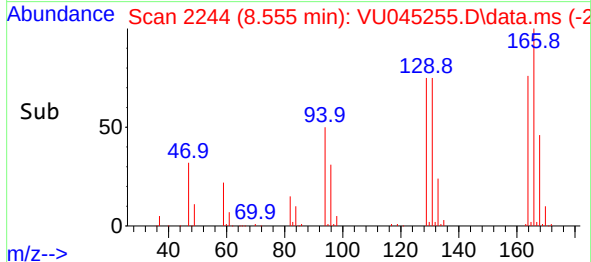
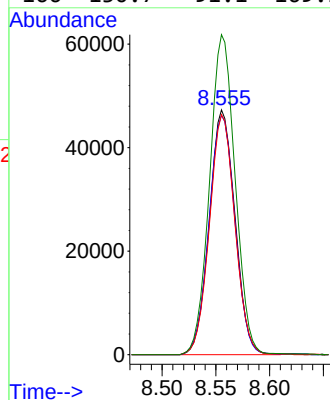
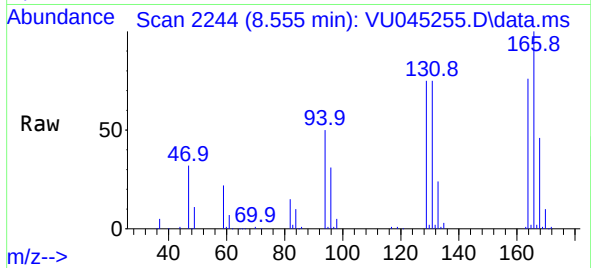




#46
Tetrachloroethene
Concen: 46.248 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU045255.D
Acq: 08 Oct 2021 16:40

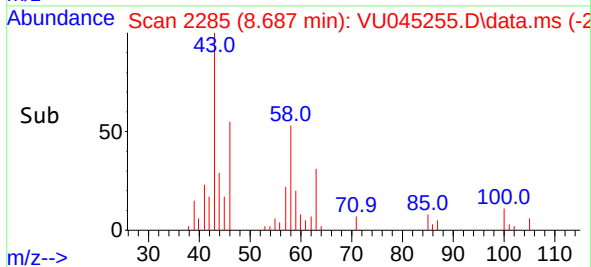
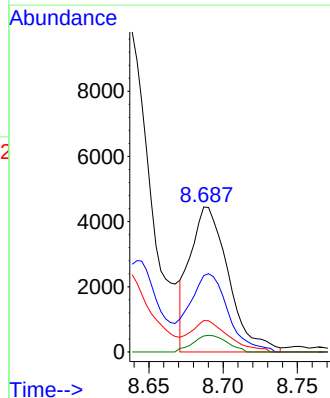
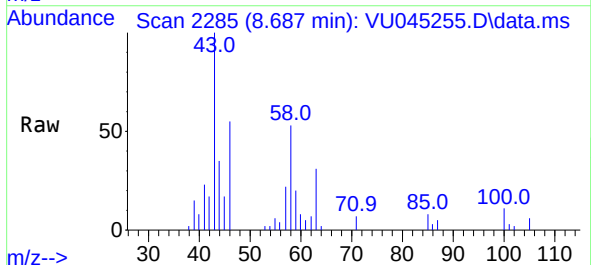
Instrument :
MSVOA_U
ClientSampleId :

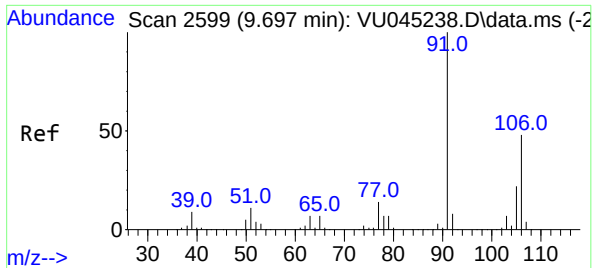
Tgt Ion:164 Resp: 78556
Ion Ratio Lower Upper
164 100
129 97.8 69.8 129.6
131 98.1 66.4 123.2
166 130.7 91.1 169.3



#48
2-Hexanone
Concen: 2.009 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. -0.003 min
Lab File: VU045255.D
Acq: 08 Oct 2021 16:40

Tgt Ion: 43 Resp: 8015
Ion Ratio Lower Upper
43 100
58 54.5 44.9 67.3
57 21.4 15.5 23.3
100 10.1 9.4 14.0





#53
 m,p-Xylene
 Concen: 0.483 ug/L
 RT: 9.697 min Scan# 2599
 Delta R.T. -0.000 min
 Lab File: VU045255.D
 Acq: 08 Oct 2021 16:40

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:106 Resp: 1942

Ion	Ratio	Lower	Upper
106	100		
91	214.2	146.7	272.4

