

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101221\
 Data File : VU045295.D
 Acq On : 12 Oct 2021 16:34
 Operator : SY/MD
 Sample : M4126-16ME
 Misc : 3.79g/10.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 13 02:54:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 13 02:48:52 2021
 Response via : Initial Calibration

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

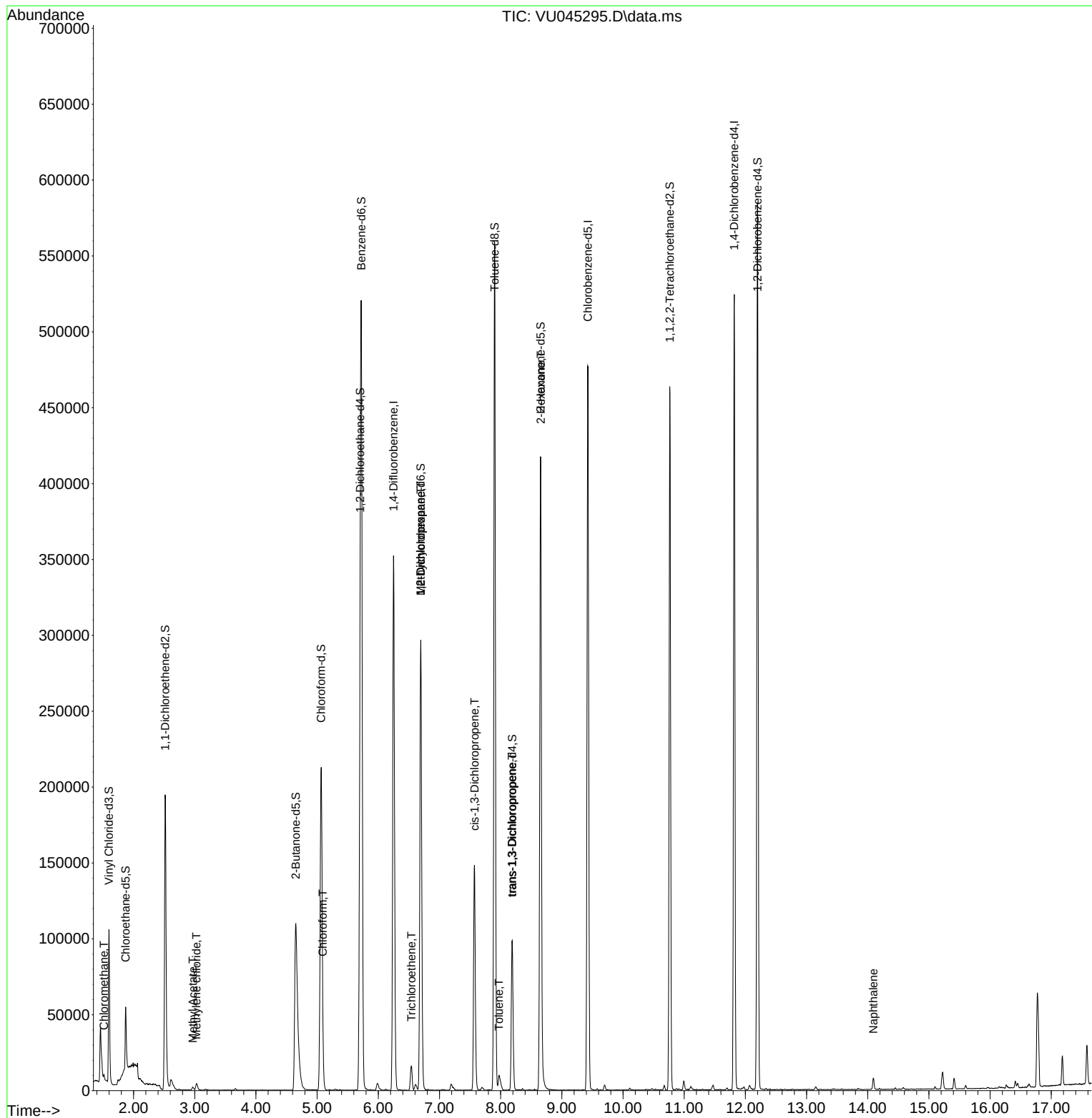
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	296176	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	278754	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	129603	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	81679	25.192	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	50.380%#		
7) Chloroethane-d5	1.871	69	29554	11.503	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	23.000%#		
11) 1,1-Dichloroethene-d2	2.517	63	133116	24.448	ug/L	-0.05
Spiked Amount 50.000	Range 60 - 125		Recovery =	48.900%#		
21) 2-Butanone-d5	4.652	46	237568	92.682	ug/L	0.03
Spiked Amount 100.000	Range 40 - 130		Recovery =	92.680%		
24) Chloroform-d	5.067	84	209865	40.983	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.960%		
26) 1,2-Dichloroethane-d4	5.703	65	153010	44.112	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.220%		
32) Benzene-d6	5.723	84	435499	45.024	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.040%		
36) 1,2-Dichloropropane-d6	6.694	67	147123	46.647	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.300%		
41) Toluene-d8	7.899	98	372659	44.644	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.280%		
43) trans-1,3-Dichloroprop...	8.189	79	63600	45.333	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.660%		
47) 2-Hexanone-d5	8.652	63	165731	94.822	ug/L	0.01
Spiked Amount 100.000	Range 45 - 130		Recovery =	94.820%		
56) 1,1,2,2-Tetrachloroeth...	10.764	84	235215	47.893	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.780%		
66) 1,2-Dichlorobenzene-d4	12.198	152	141612	50.208	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.420%		
Target Compounds						Qvalue
3) Chloromethane	1.517	50	2674	0.756	ug/L	100
15) Methyl Acetate	2.970	43	2915	0.798	ug/L	94
16) Methylene chloride	3.028	84	2353	0.810	ug/L	98
25) Chloroform	5.092	83	4025	0.806	ug/L	99
34) Trichloroethene	6.542	95	4847	1.952	ug/L	98
35) Methylcyclohexane	6.694	83	34419	8.279	ug/L #	16
37) 1,2-Dichloropropane	6.694	63	16188	5.751	ug/L #	88
39) cis-1,3-Dichloropropene	7.575	75	3774	0.937	ug/L #	51
42) Toluene	7.973	91	7218	0.687	ug/L	96
44) trans-1,3-Dichloropropene	8.185	75	2610	0.681	ug/L #	80
48) 2-Hexanone	8.655	43	19439	4.662	ug/L #	66
71) Naphthalene	14.092	128	7062	0.806	ug/L #	90

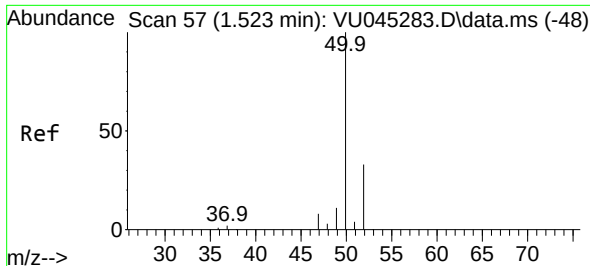
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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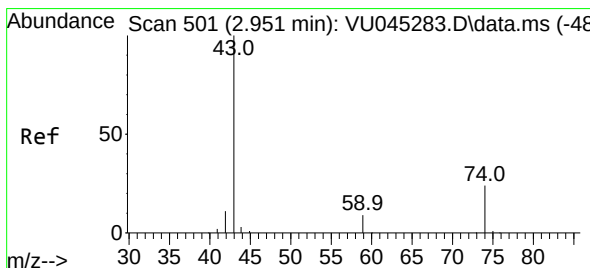
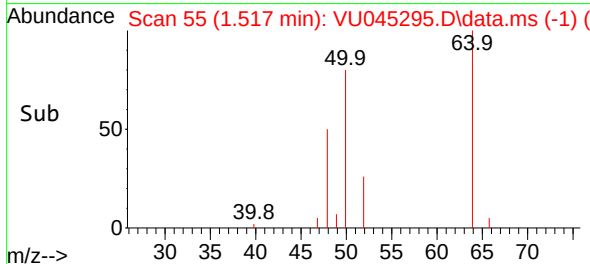
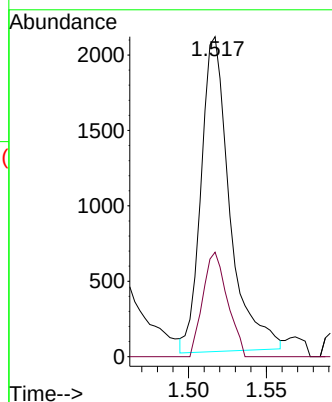
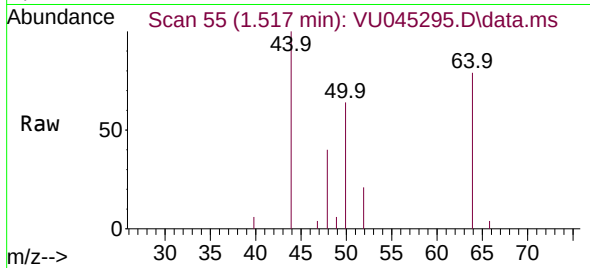




#3
Chloromethane
Concen: 0.756 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.006 min
Lab File: VU045295.D
Acq: 12 Oct 2021 16:34

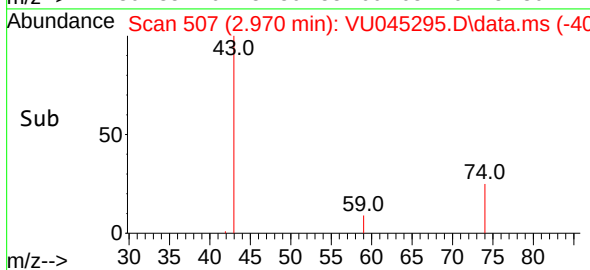
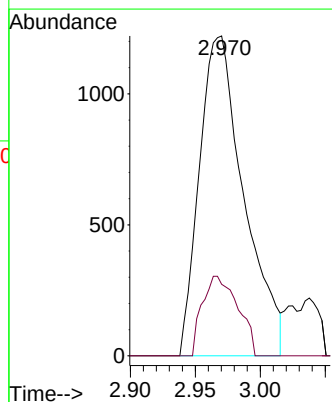
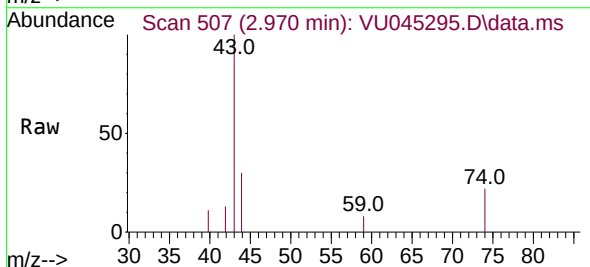
Instrument :
MSVOA_U
ClientSampled :

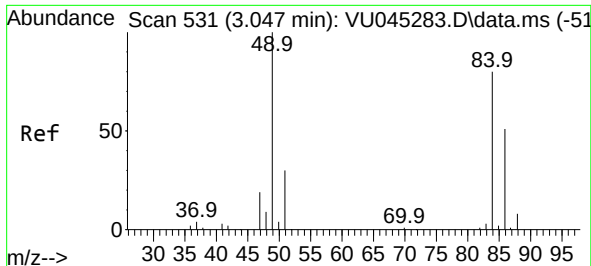
Tgt Ion: 50 Resp: 2674
Ion Ratio Lower Upper
50 100
52 32.7 23.0 42.8



#15
Methyl Acetate
Concen: 0.798 ug/L
RT: 2.970 min Scan# 507
Delta R.T. 0.019 min
Lab File: VU045295.D
Acq: 12 Oct 2021 16:34

Tgt Ion: 43 Resp: 2915
Ion Ratio Lower Upper
43 100
74 19.9 18.4 27.6

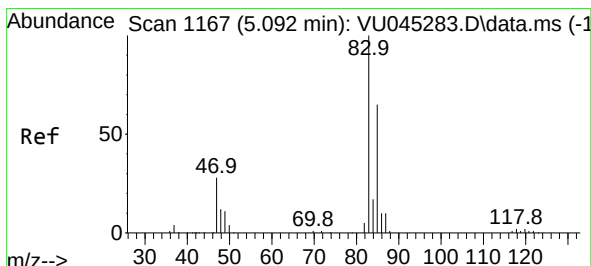
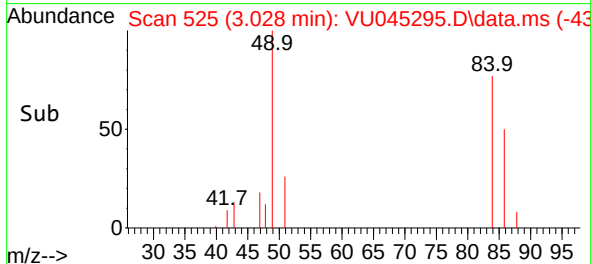
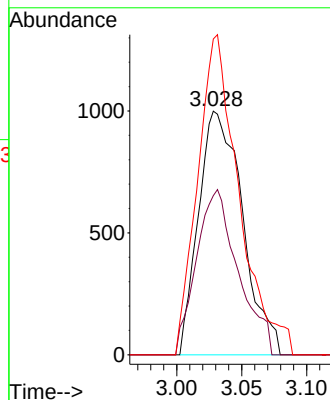
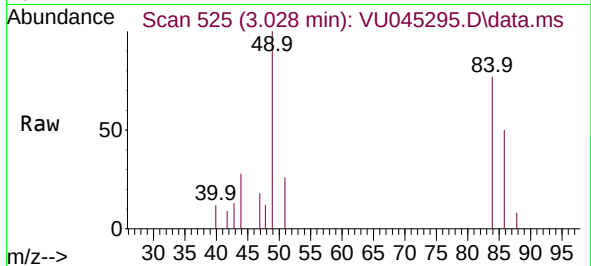




#16
Methylene chloride
Concen: 0.810 ug/L
RT: 3.028 min Scan# 525
Delta R.T. -0.019 min
Lab File: VU045295.D
Acq: 12 Oct 2021 16:34

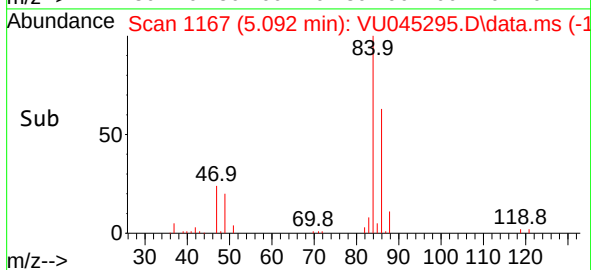
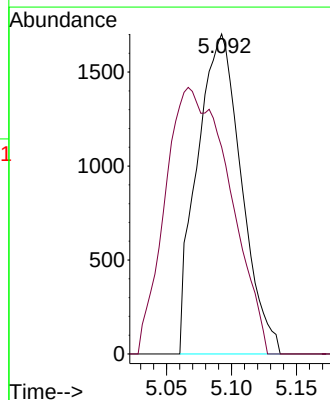
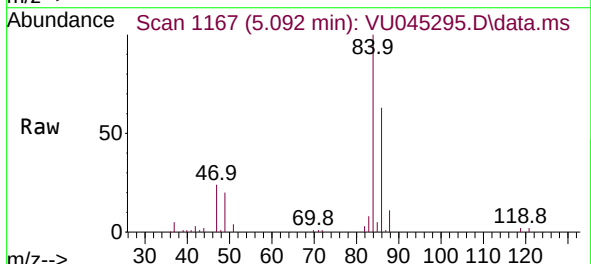
Instrument :
MSVOA_U
ClientSampled :

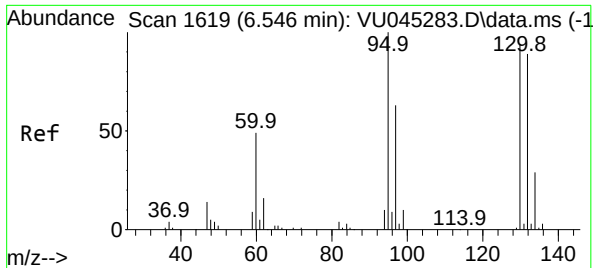
Tgt Ion: 84 Resp: 2353
Ion Ratio Lower Upper
84 100
86 65.4 44.7 83.1
49 129.6 92.9 172.5



#25
Chloroform
Concen: 0.806 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VU045295.D
Acq: 12 Oct 2021 16:34

Tgt Ion: 83 Resp: 4025
Ion Ratio Lower Upper
83 100
85 64.7 45.6 84.6





#34

Trichloroethene

Concen: 1.952 ug/L

RT: 6.542 min Scan# 1618

Delta R.T. -0.003 min

Lab File: VU045295.D

Acq: 12 Oct 2021 16:34

Tgt Ion: 95 Resp: 4847

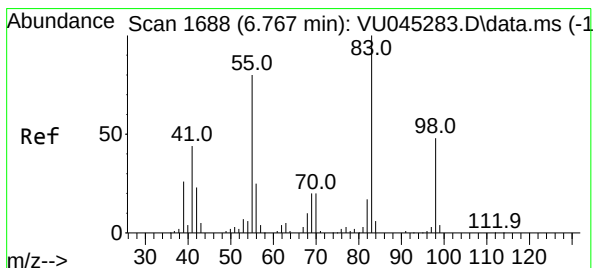
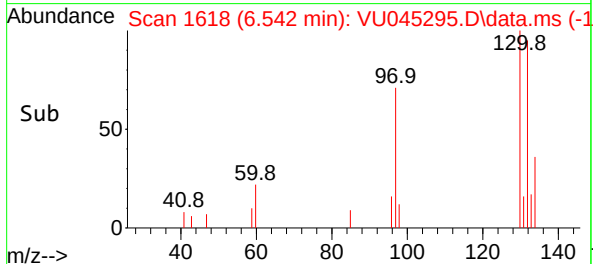
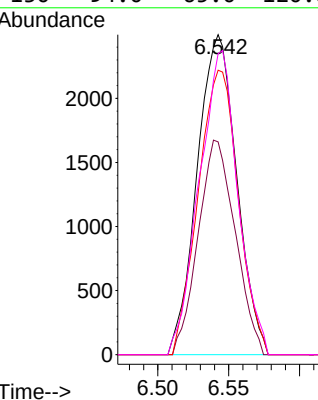
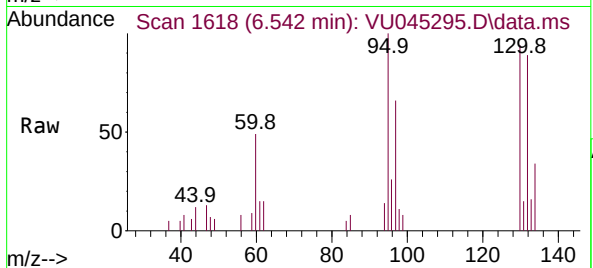
Ion Ratio Lower Upper

95 100

97 66.5 44.4 82.4

132 88.9 62.9 116.9

130 94.0 65.0 120.8



#35

Methylcyclohexane

Concen: 8.279 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU045295.D

Acq: 12 Oct 2021 16:34

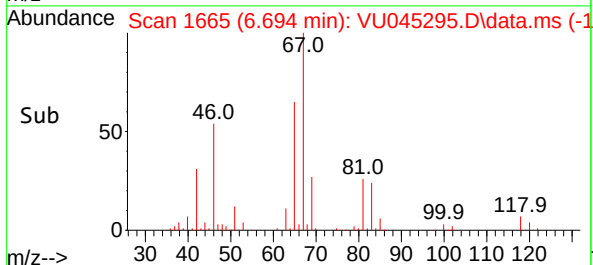
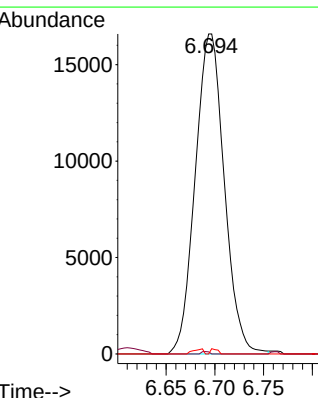
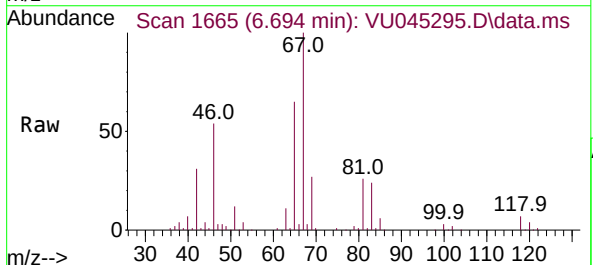
Tgt Ion: 83 Resp: 34419

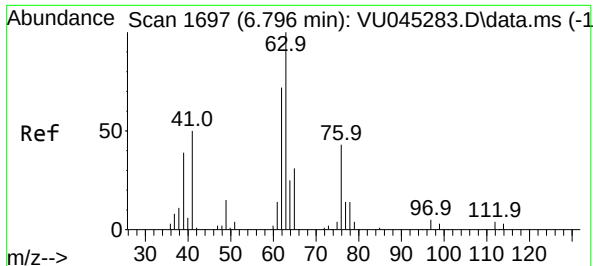
Ion Ratio Lower Upper

83 100

55 0.2 65.8 98.6#

98 0.4 37.1 55.7#



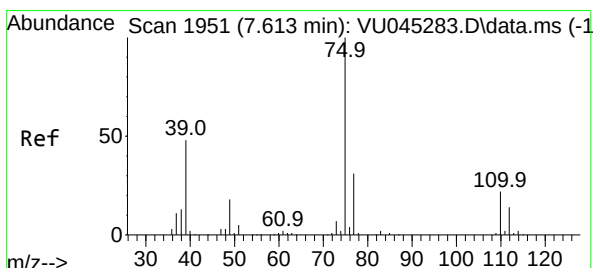
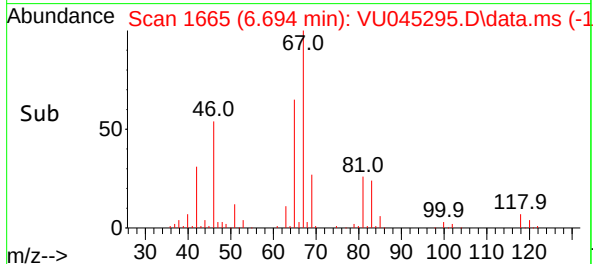
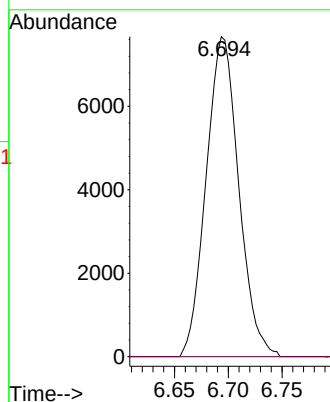
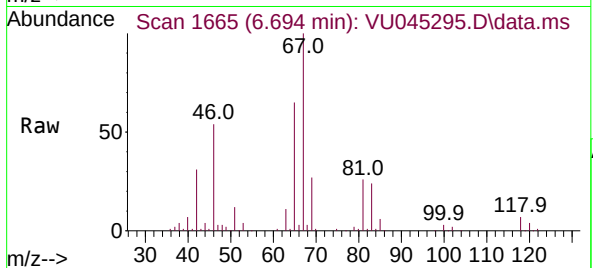


#37

1,2-Dichloropropane
Concen: 5.751 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU045295.D
Acq: 12 Oct 2021 16:34

Instrument :
MSVOA_U
ClientSampleId :

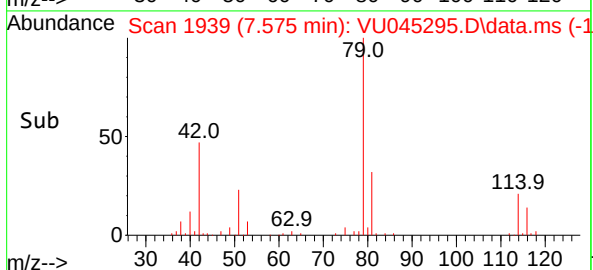
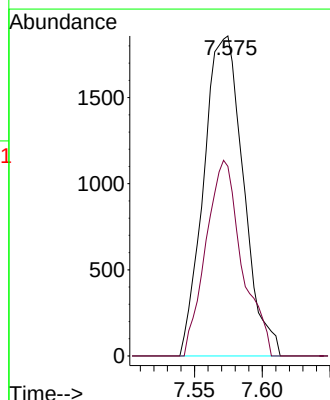
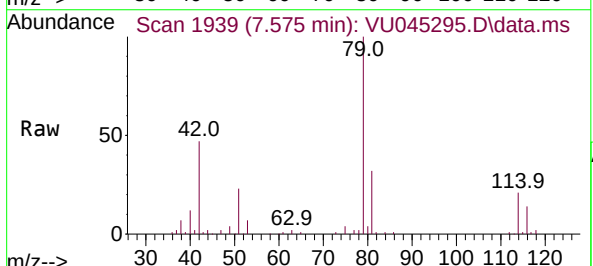
Tgt Ion: 63 Resp: 16188
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

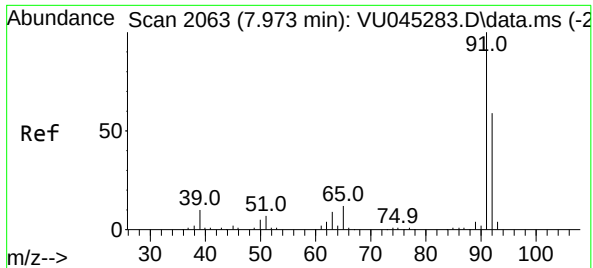


#39

cis-1,3-Dichloropropene
Concen: 0.937 ug/L
RT: 7.575 min Scan# 1939
Delta R.T. -0.038 min
Lab File: VU045295.D
Acq: 12 Oct 2021 16:34

Tgt Ion: 75 Resp: 3774
Ion Ratio Lower Upper
75 100
77 59.3 22.4 41.6#

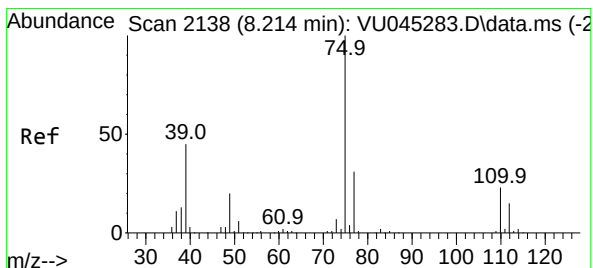
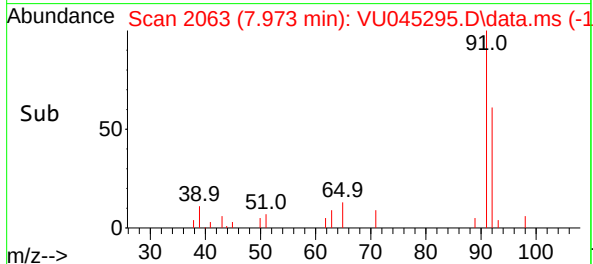
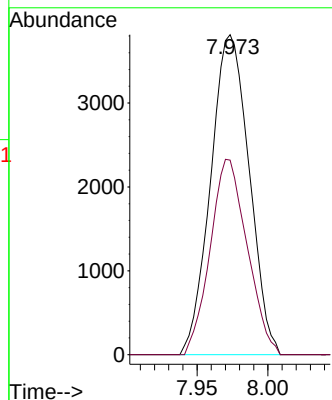
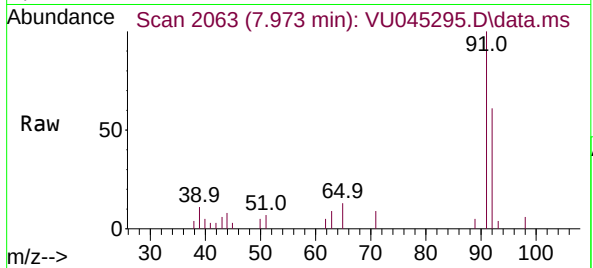




#42
Toluene
Concen: 0.687 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045295.D
Acq: 12 Oct 2021 16:34

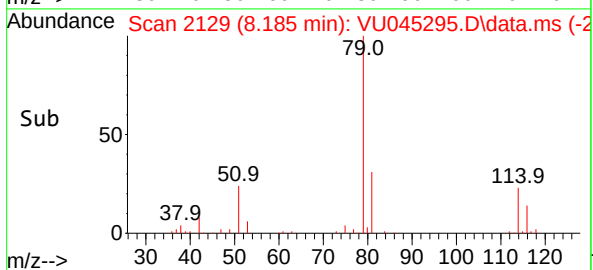
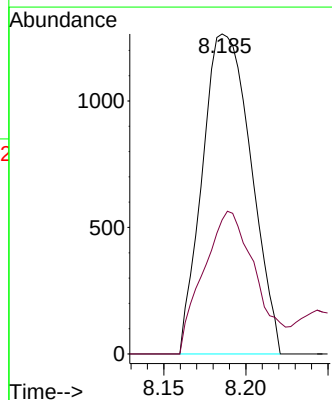
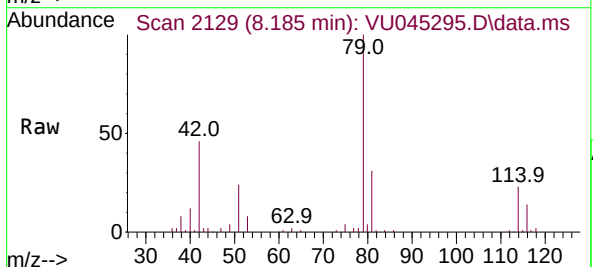
Instrument :
MSVOA_U
ClientSampleId :

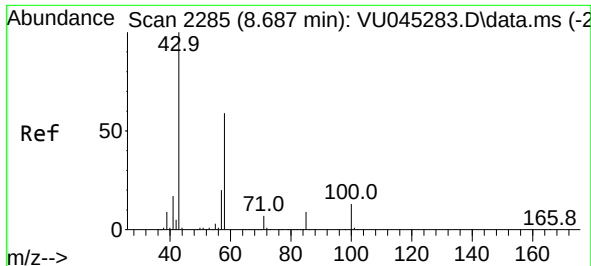
Tgt Ion: 91 Resp: 7218
Ion Ratio Lower Upper
91 100
92 60.8 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 0.681 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.029 min
Lab File: VU045295.D
Acq: 12 Oct 2021 16:34

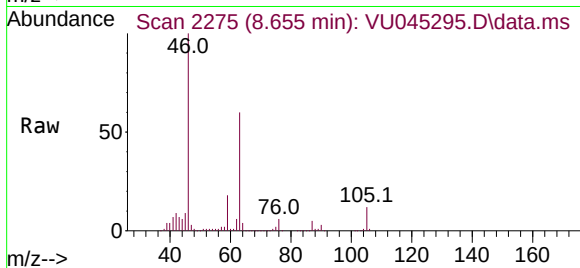
Tgt Ion: 75 Resp: 2610
Ion Ratio Lower Upper
75 100
77 41.9 21.7 40.3#



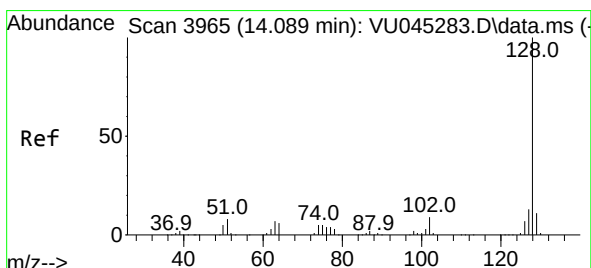
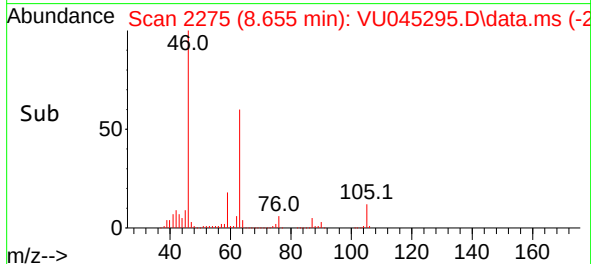
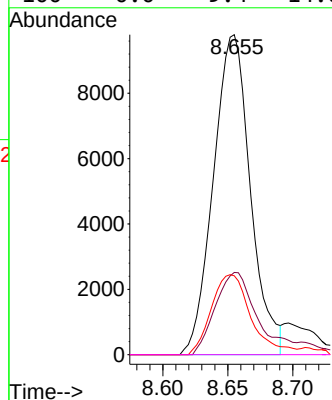


#48
2-Hexanone
Concen: 4.662 ug/L
RT: 8.655 min Scan# 2275
Delta R.T. -0.032 min
Lab File: VU045295.D
Acq: 12 Oct 2021 16:34

Instrument :
MSVOA_U
ClientSampled :



Tgt Ion:	43	Resp:	19439
Ion	Ratio	Lower	Upper
43	100		
58	26.5	44.9	67.3#
57	26.9	15.5	23.3#
100	0.0	9.4	14.0#



#71
Naphthalene
Concen: 0.806 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045295.D
Acq: 12 Oct 2021 16:34

Tgt Ion:	128	Resp:	7062
Ion	Ratio	Lower	Upper
128	100		
127	10.2	10.4	15.6#
129	5.6	8.8	13.2#

