

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101221\
 Data File : VU045296.D
 Acq On : 12 Oct 2021 16:58
 Operator : SY/MD
 Sample : M4070-18ME
 Misc : 4.77g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 13 02:54:42 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)

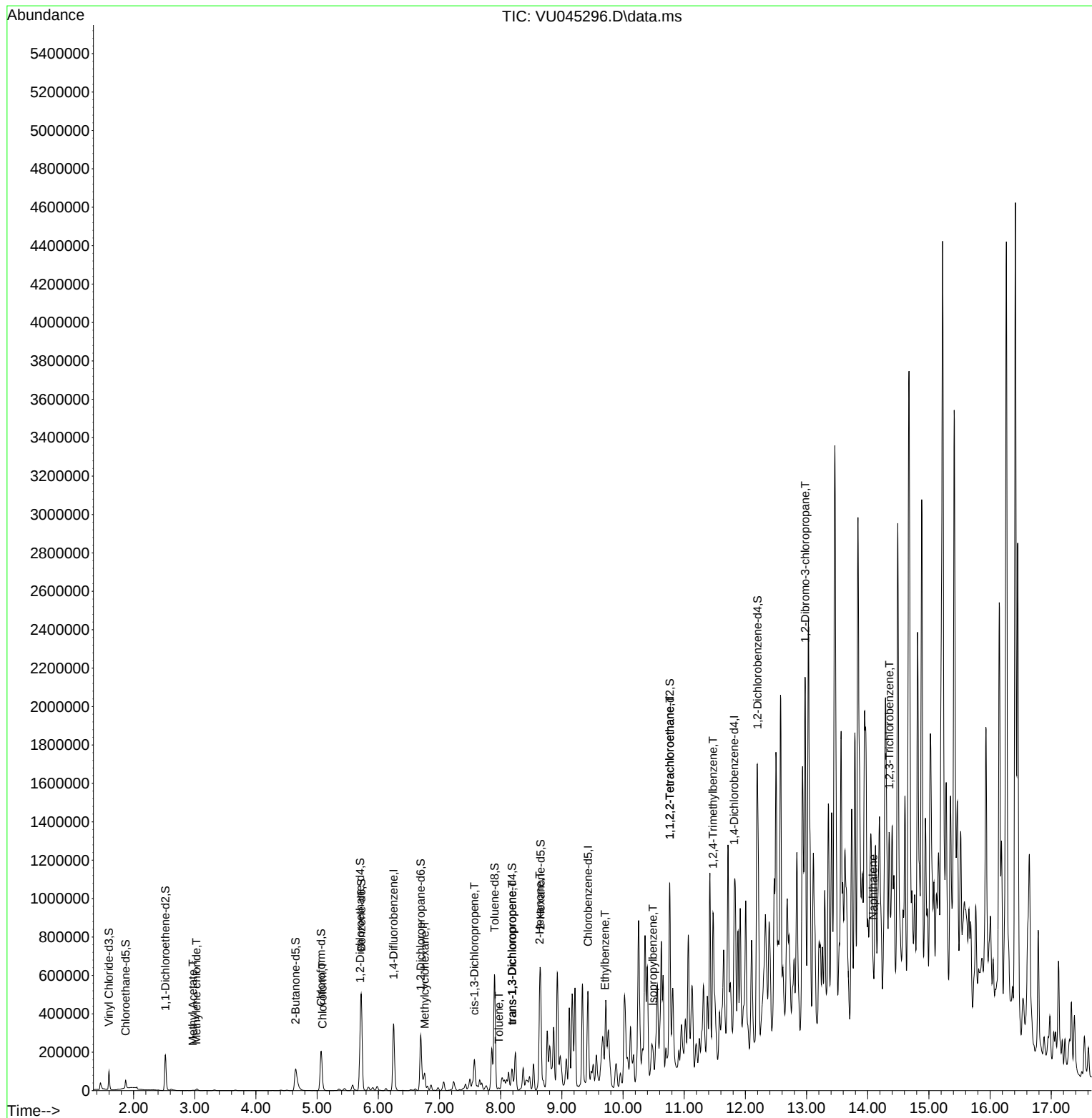
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	294461	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	286324	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	147182	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	76814	23.829	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	47.660%#
7) Chloroethane-d5	1.871	69	28452	11.138	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	22.280%#
11) 1,1-Dichloroethene-d2	2.520	63	125534	23.190	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	46.380%#
21) 2-Butanone-d5	4.649	46	233730	91.716	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.720%
24) Chloroform-d	5.067	84	201063	39.493	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.980%
26) 1,2-Dichloroethane-d4	5.703	65	146178	42.388	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.780%
32) Benzene-d6	5.723	84	414339	41.704	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.400%
36) 1,2-Dichloropropane-d6	6.694	67	143359	44.252	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.500%
41) Toluene-d8	7.903	98	373361	43.546	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.100%
43) trans-1,3-Dichloroprop...	8.186	79	62348	43.265	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.540%
47) 2-Hexanone-d5	8.652	63	171887	95.744	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.740%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	233864	46.359	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.720%
66) 1,2-Dichlorobenzene-d4	12.198	152	147680	46.105	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.220%
Target Compounds						
					Qvalue	
15) Methyl Acetate	2.970	43	3002	0.826	ug/L #	74
16) Methylene chloride	3.028	84	2372	0.821	ug/L	90
25) Chloroform	5.086	83	3280	0.660	ug/L #	68
35) Methylcyclohexane	6.758	83	35547	8.324	ug/L #	84
39) cis-1,3-Dichloropropene	7.571	75	3616	0.874	ug/L #	39
42) Toluene	7.973	91	6284	0.582	ug/L	97
44) trans-1,3-Dichloropropene	8.189	75	2757	0.701	ug/L #	62
48) 2-Hexanone	8.636	43	161520	37.711	ug/L #	27
52) Ethylbenzene	9.706	91	4841	0.425	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.764	83	11448	2.282	ug/L #	65
61) Isopropylbenzene	10.491	105	50215	4.662	ug/L	97
63) 1,2,4-Trimethylbenzene	11.472	105	294288	31.947	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.980	75	7844	6.705	ug/L #	9
71) Naphthalene	14.089	128	138433	13.916	ug/L	98
72) 1,2,3-Trichlorobenzene	14.353	180	3572	1.216	ug/L #	1

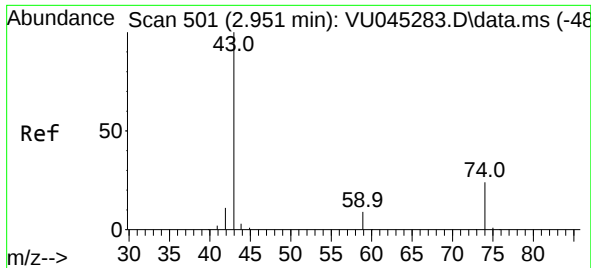
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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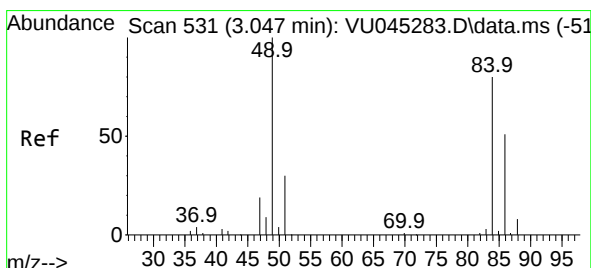
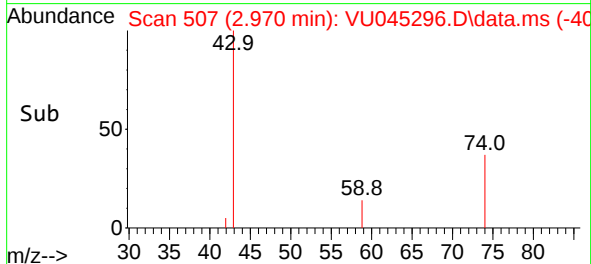
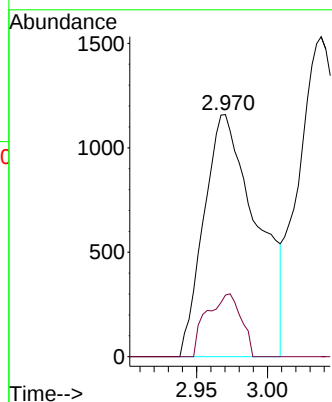
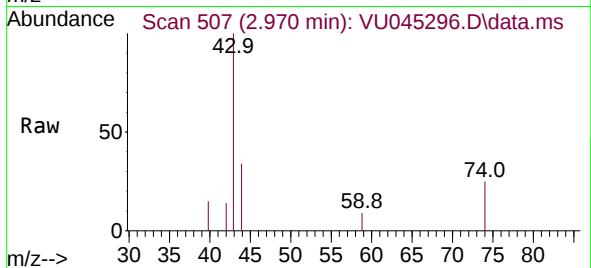




#15
Methyl Acetate
Concen: 0.826 ug/L
RT: 2.970 min Scan# 507
Delta R.T. 0.019 min
Lab File: VU045296.D
Acq: 12 Oct 2021 16:58

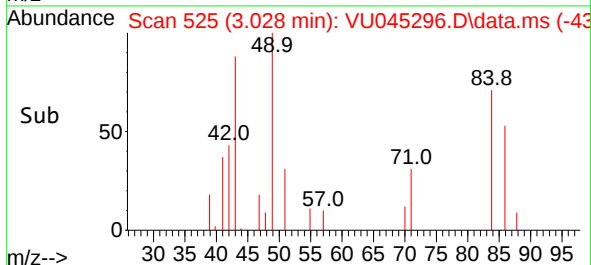
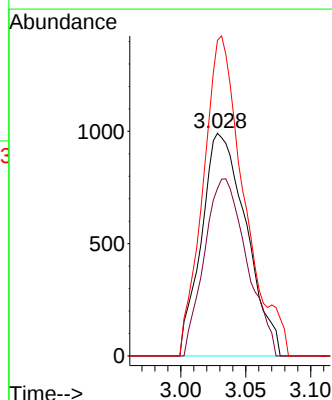
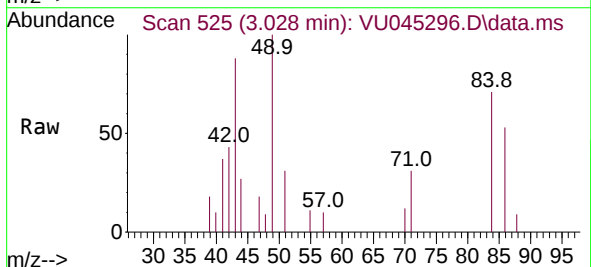
Instrument :
MSVOA_U
ClientSampled :

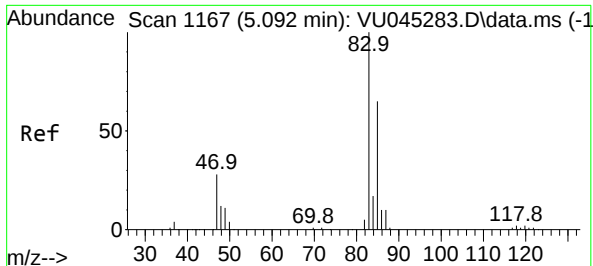
Tgt Ion: 43 Resp: 3002
Ion Ratio Lower Upper
43 100
74 10.3 18.4 27.6#



#16
Methylene chloride
Concen: 0.821 ug/L
RT: 3.028 min Scan# 525
Delta R.T. -0.019 min
Lab File: VU045296.D
Acq: 12 Oct 2021 16:58

Tgt Ion: 84 Resp: 2372
Ion Ratio Lower Upper
84 100
86 75.2 44.7 83.1
49 141.7 92.9 172.5





#25

Chloroform

Concen: 0.660 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.006 min

Lab File: VU045296.D

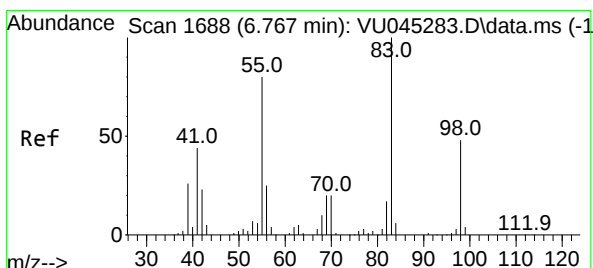
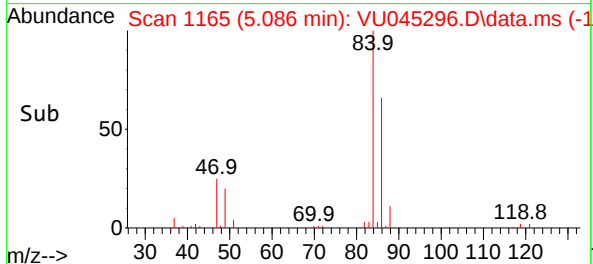
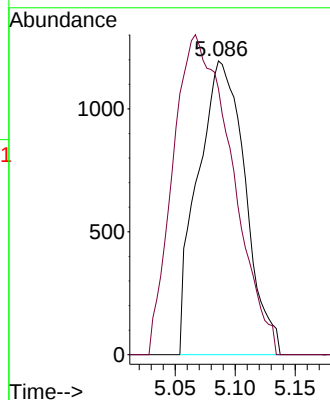
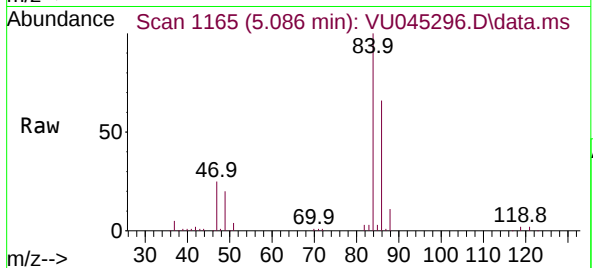
Acq: 12 Oct 2021 16:58

Tgt Ion: 83 Resp: 3280

Ion Ratio Lower Upper

83 100

85 90.5 45.6 84.6#



#35

Methylcyclohexane

Concen: 8.324 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. -0.010 min

Lab File: VU045296.D

Acq: 12 Oct 2021 16:58

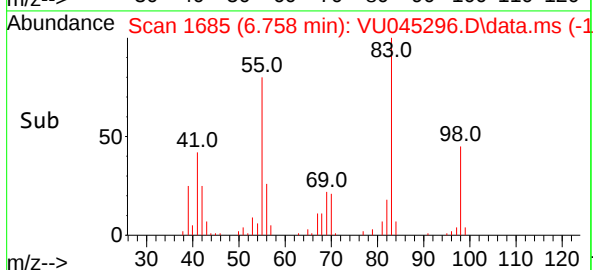
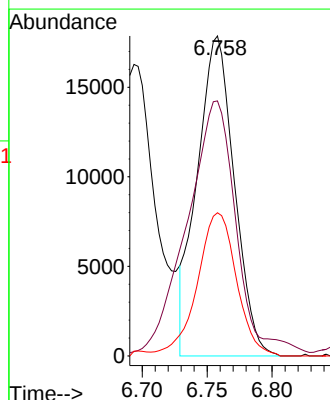
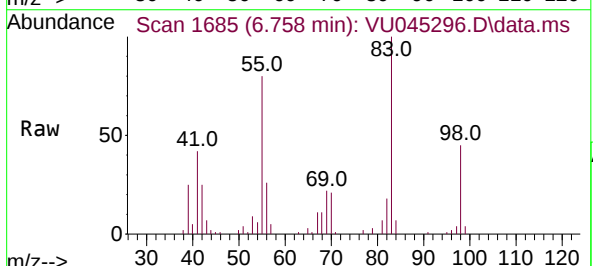
Tgt Ion: 83 Resp: 35547

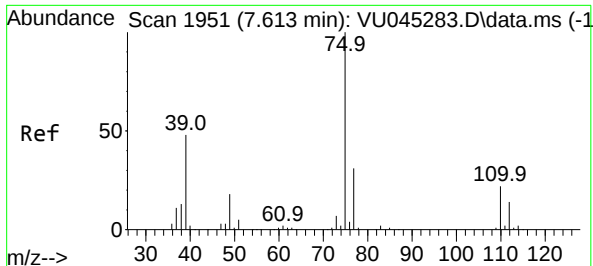
Ion Ratio Lower Upper

83 100

55 104.3 65.8 98.6#

98 47.3 37.1 55.7



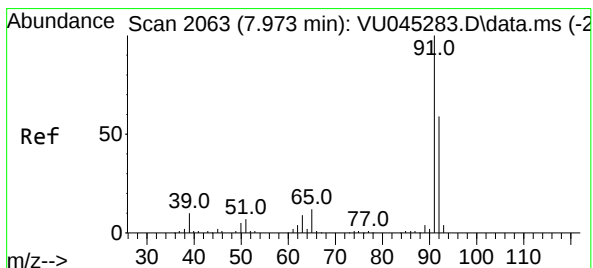
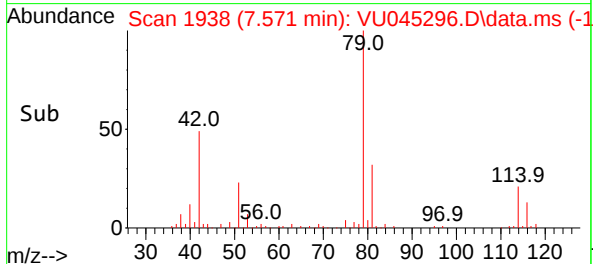
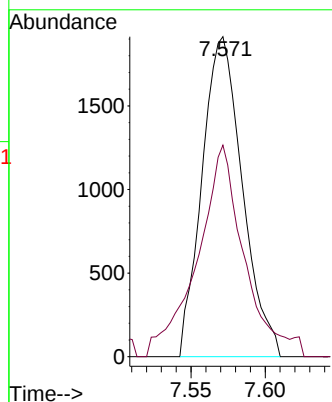
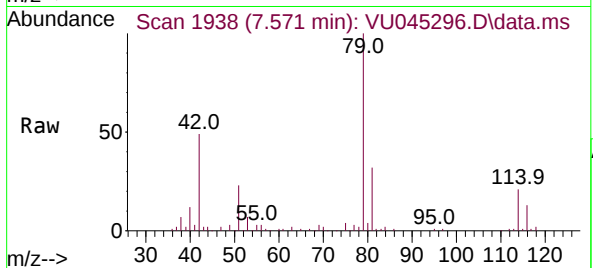


#39

cis-1,3-Dichloropropene
Concen: 0.874 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU045296.D
Acq: 12 Oct 2021 16:58

Instrument :
MSVOA_U
ClientSampled :

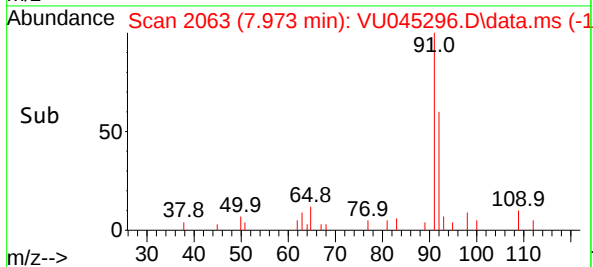
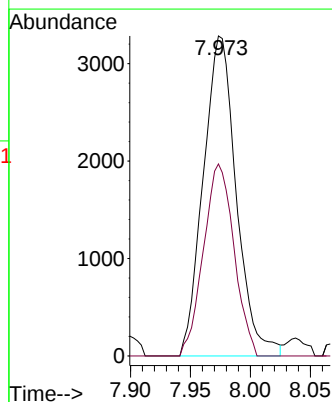
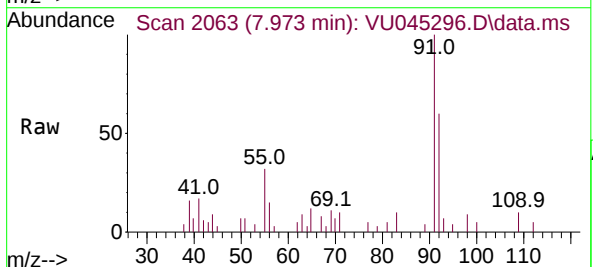
Tgt Ion: 75 Resp: 3616
Ion Ratio Lower Upper
75 100
77 66.1 22.4 41.6#

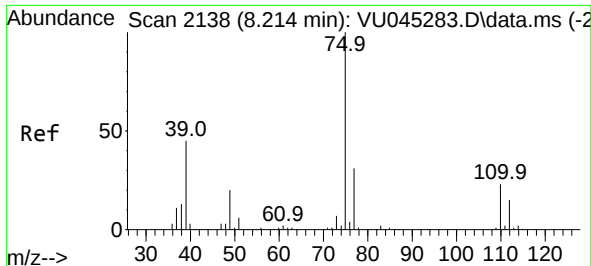


#42

Toluene
Concen: 0.582 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045296.D
Acq: 12 Oct 2021 16:58

Tgt Ion: 91 Resp: 6284
Ion Ratio Lower Upper
91 100
92 60.0 40.5 75.1

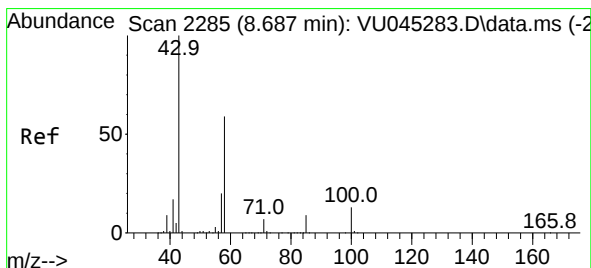
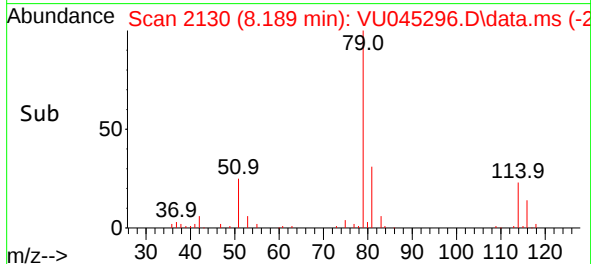
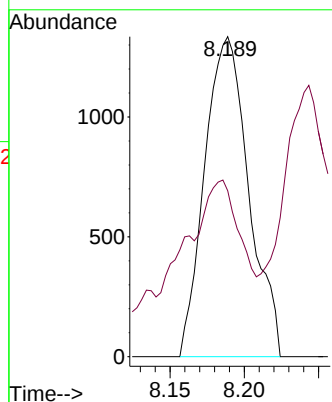
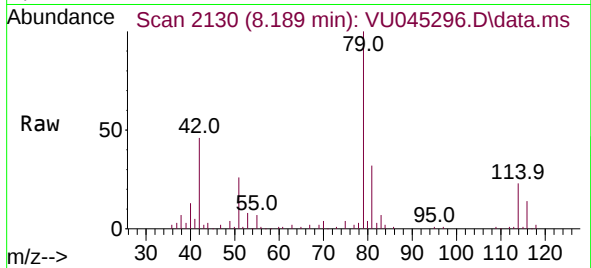




#44
trans-1,3-Dichloropropene
Concen: 0.701 ug/L
RT: 8.189 min Scan# 2130
Delta R.T. -0.026 min
Lab File: VU045296.D
Acq: 12 Oct 2021 16:58

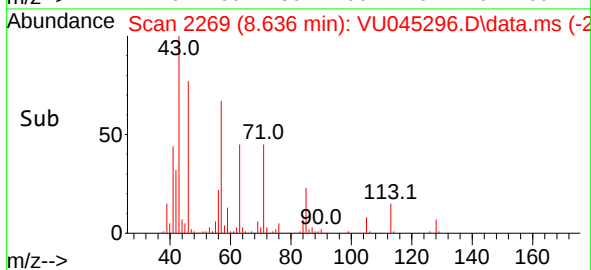
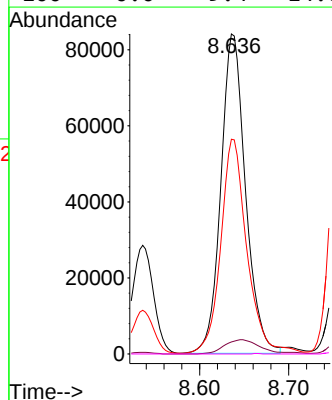
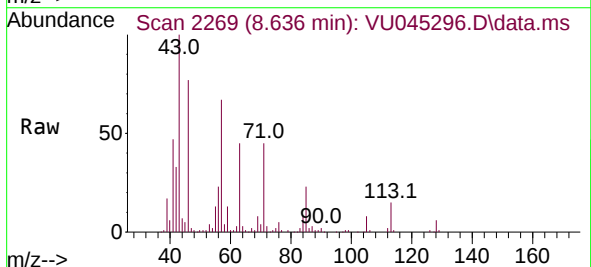
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MSVOA_U
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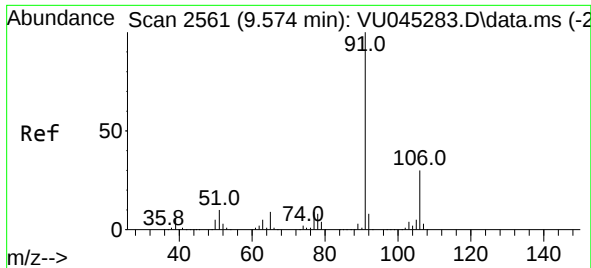
Tgt Ion: 75 Resp: 2757
Ion Ratio Lower Upper
75 100
77 51.8 21.7 40.3#



#48
2-Hexanone
Concen: 37.711 ug/L
RT: 8.636 min Scan# 2269
Delta R.T. -0.051 min
Lab File: VU045296.D
Acq: 12 Oct 2021 16:58

Tgt Ion: 43 Resp: 161520
Ion Ratio Lower Upper
43 100
58 6.4 44.9 67.3#
57 70.8 15.5 23.3#
100 0.0 9.4 14.0#

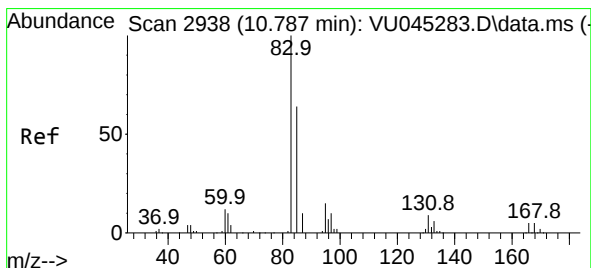
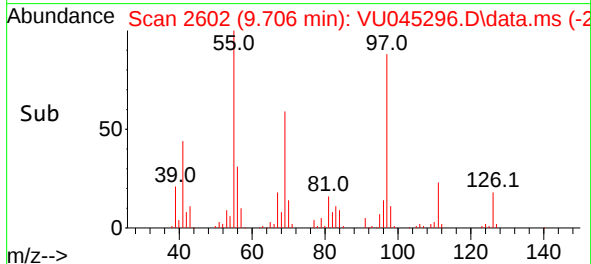
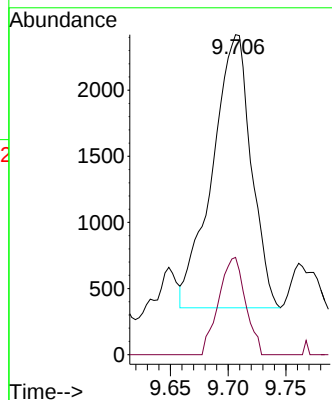
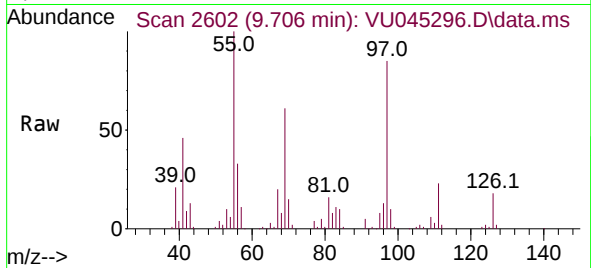




#52
Ethylbenzene
Concen: 0.425 ug/L
RT: 9.706 min Scan# 2602
Delta R.T. 0.132 min
Lab File: VU045296.D
Acq: 12 Oct 2021 16:58

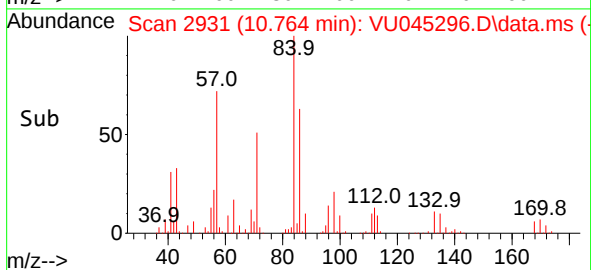
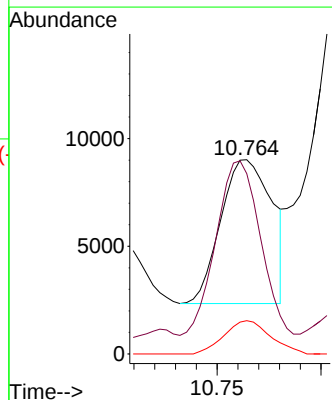
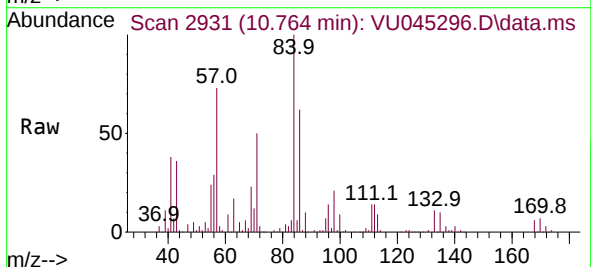
Instrument :
MSVOA_U
ClientSampled :

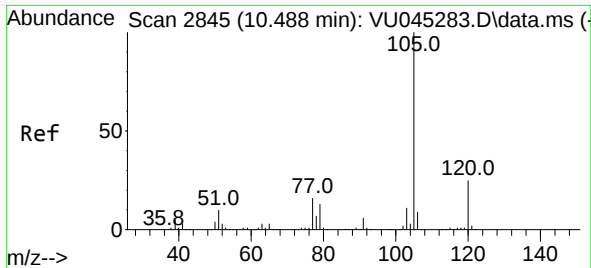
Tgt Ion: 91 Resp: 4841
Ion Ratio Lower Upper
91 100
106 30.4 21.2 39.4



#57
1,1,2,2-Tetrachloroethane
Concen: 2.282 ug/L
RT: 10.764 min Scan# 2931
Delta R.T. -0.022 min
Lab File: VU045296.D
Acq: 12 Oct 2021 16:58

Tgt Ion: 83 Resp: 11448
Ion Ratio Lower Upper
83 100
85 92.8 45.1 83.7#
131 17.2 6.9 10.3#

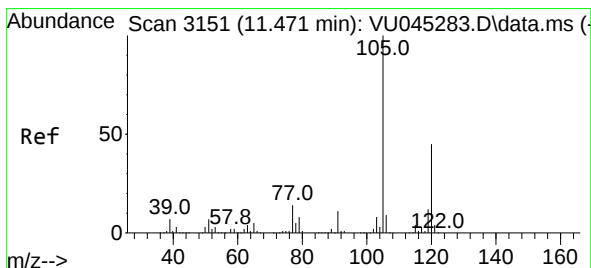
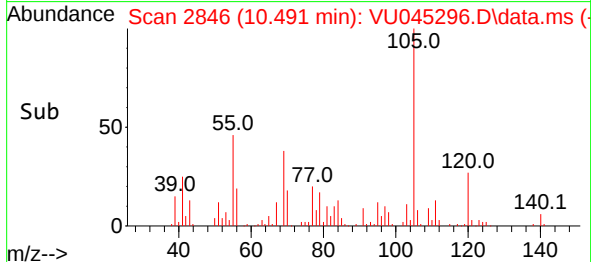
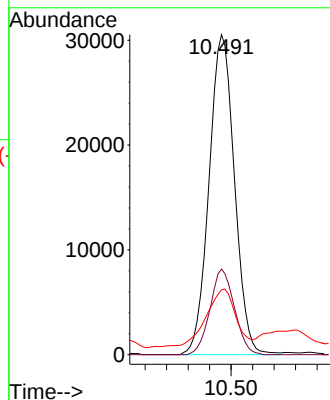
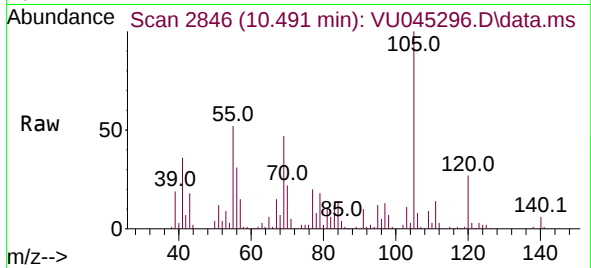




#61
Isopropylbenzene
Concen: 4.662 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. 0.003 min
Lab File: VU045296.D
Acq: 12 Oct 2021 16:58

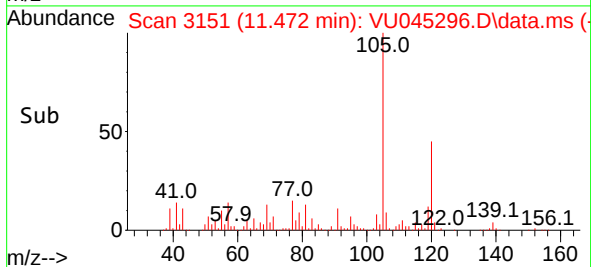
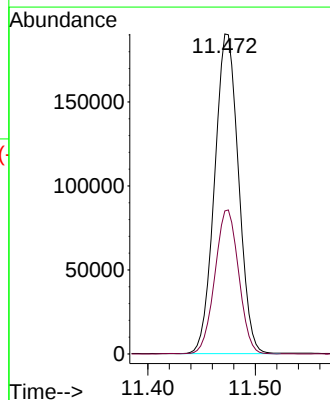
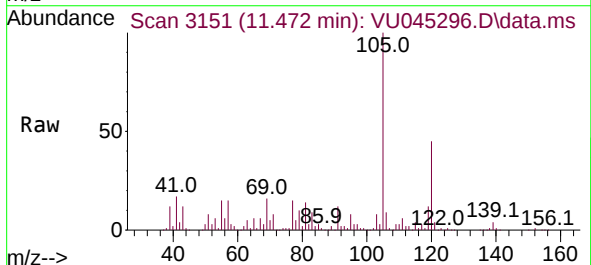
Instrument :
MSVOA_U
ClientSampleId :

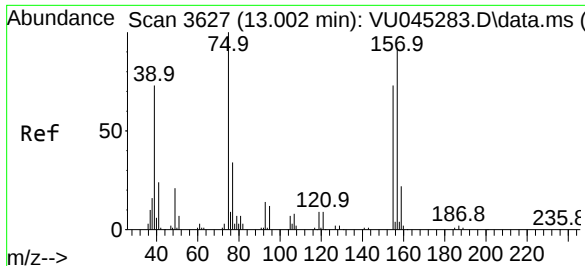
Tgt Ion:105 Resp: 50215
Ion Ratio Lower Upper
105 100
120 25.6 20.5 30.7
77 19.6 13.5 20.3



#63
1,2,4-Trimethylbenzene
Concen: 31.947 ug/L
RT: 11.472 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VU045296.D
Acq: 12 Oct 2021 16:58

Tgt Ion:105 Resp: 294288
Ion Ratio Lower Upper
105 100
120 44.9 35.7 53.5

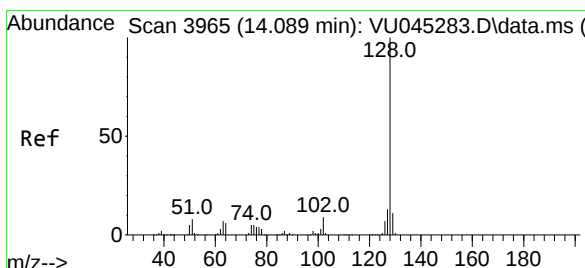
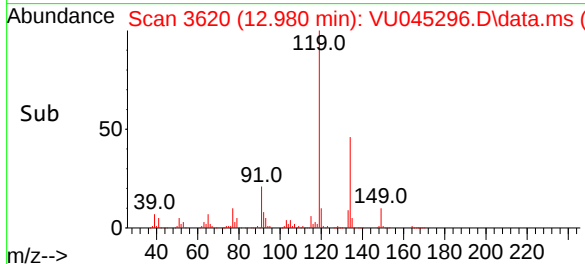
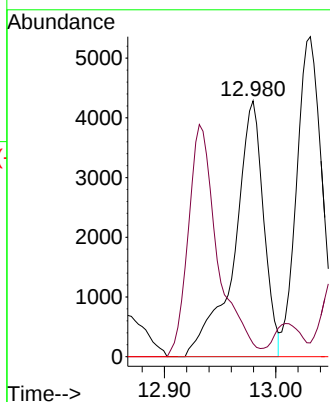
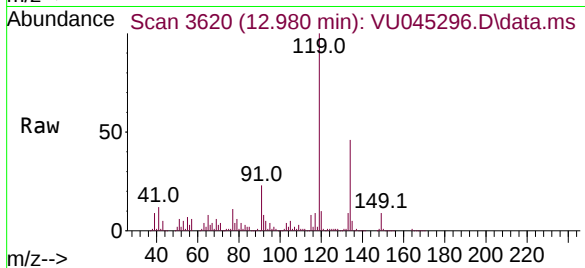




#68
1,2-Dibromo-3-chloropropane
Concen: 6.705 ug/L
RT: 12.980 min Scan# 3620
Delta R.T. -0.022 min
Lab File: VU045296.D
Acq: 12 Oct 2021 16:58

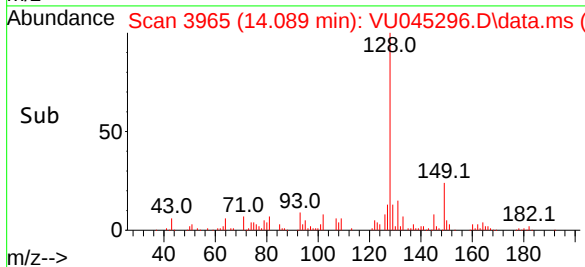
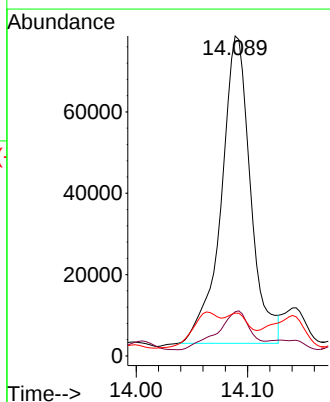
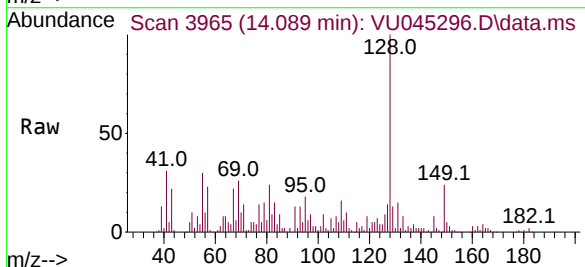
Instrument :
MSVOA_U
ClientSampled :

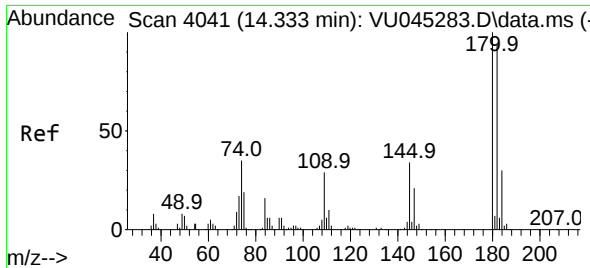
Tgt Ion: 75 Resp: 7844
Ion Ratio Lower Upper
75 100
155 5.1 58.5 87.7#
157 0.0 77.7 116.5#



#71
Naphthalene
Concen: 13.916 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU045296.D
Acq: 12 Oct 2021 16:58

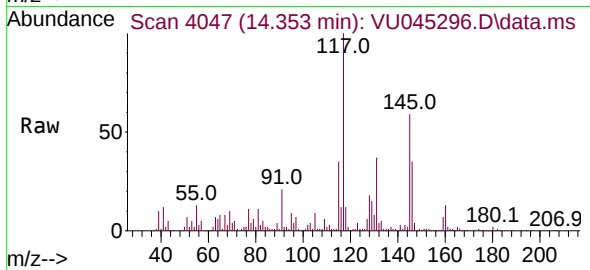
Tgt Ion:128 Resp: 138433
Ion Ratio Lower Upper
128 100
127 13.8 10.4 15.6
129 9.9 8.8 13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 1.216 ug/L
 RT: 14.353 min Scan# 4047
 Delta R.T. 0.019 min
 Lab File: VU045296.D
 Acq: 12 Oct 2021 16:58

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 3572
 Ion Ratio Lower Upper
 180 100
 182 20.9 76.8 115.2#
 145 5194.9 26.5 39.7#

