

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101921\
 Data File : VU045331.D
 Acq On : 19 Oct 2021 15:48
 Operator : SY/MD
 Sample : VU1019WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 20 03:08:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 20 02:57:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	294503	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	300148	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	133251	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	58024	45.228	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.460%
7) Chloroethane-d5	1.874	69	22048	17.984	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	35.960%#
11) 1,1-Dichloroethene-d2	2.552	63	71774	28.097	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.200%#
21) 2-Butanone-d5	4.629	46	203137	106.078	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.080%
24) Chloroform-d	5.063	84	160776	47.121	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.240%
26) 1,2-Dichloroethane-d4	5.703	65	115584	49.559	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.120%
32) Benzene-d6	5.726	84	275689	48.834	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.660%
36) 1,2-Dichloropropane-d6	6.694	67	109767	50.019	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.040%
41) Toluene-d8	7.899	98	225771	46.887	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.780%
43) trans-1,3-Dichloroprop...	8.182	79	55204	49.559	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.120%
47) 2-Hexanone-d5	8.639	63	168402	122.303	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	122.300%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	241182	58.135	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	116.260%
66) 1,2-Dichlorobenzene-d4	12.198	152	128563	55.608	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.220%

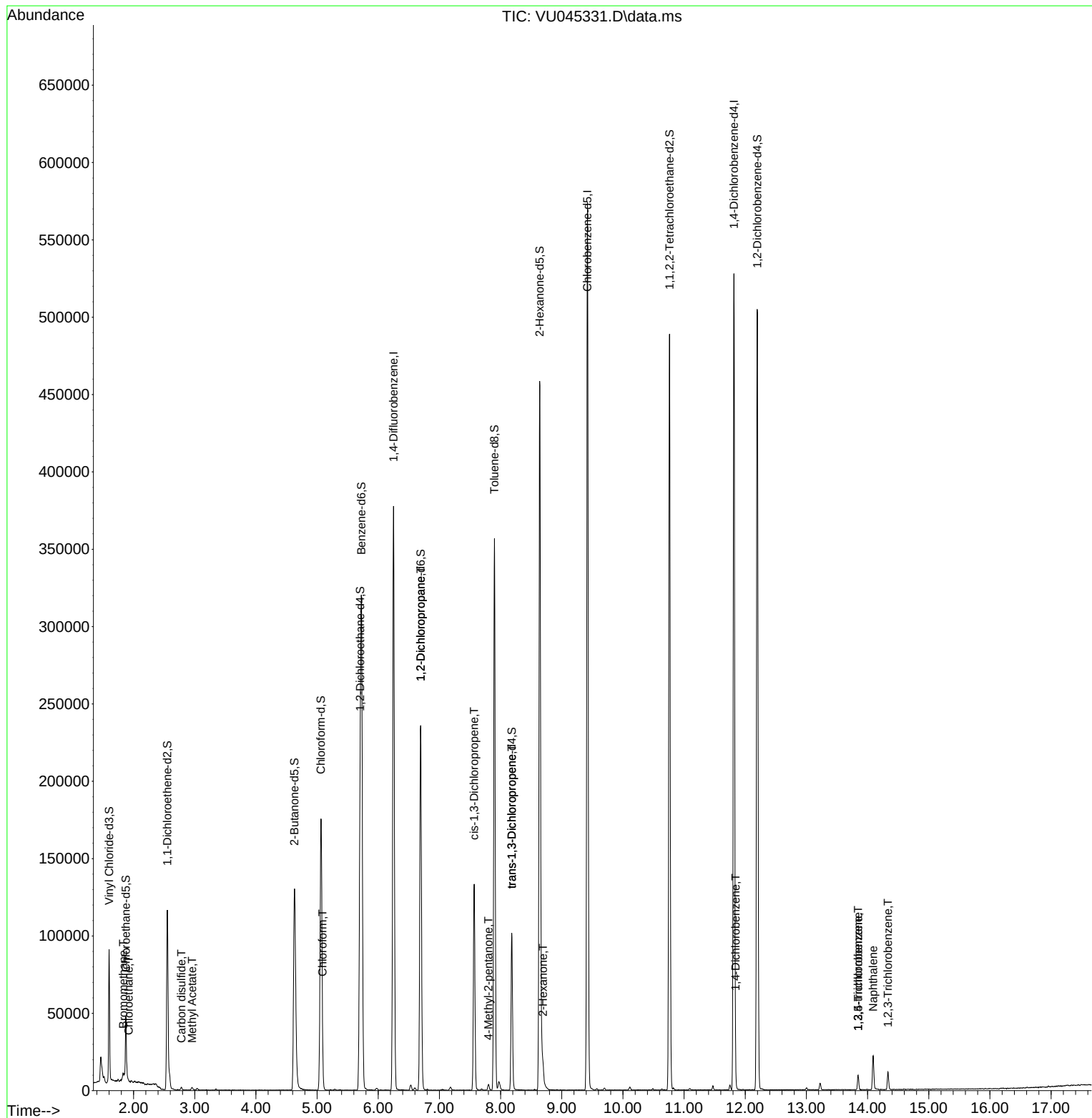
Target Compounds					Qvalue
6) Bromomethane	1.829	94	1017	0.715	ug/L 91
8) Chloroethane	1.919	64	1676	0.993	ug/L # 42
14) Carbon disulfide	2.781	76	2208	0.419	ug/L 96
15) Methyl Acetate	2.954	43	2120	0.767	ug/L # 90
25) Chloroform	5.089	83	3217	0.752	ug/L 95
37) 1,2-Dichloropropane	6.694	63	12010	4.726	ug/L # 88
39) cis-1,3-Dichloropropene	7.568	75	3301	0.868	ug/L # 49
40) 4-Methyl-2-pentanone	7.803	43	2996	0.773	ug/L # 83
44) trans-1,3-Dichloropropene	8.182	75	2814	0.773	ug/L # 77
48) 2-Hexanone	8.694	43	6957	2.126	ug/L # 91
65) 1,4-Dichlorobenzene	11.841	146	2076	0.497	ug/L 97
69) 1,3,5-Trichlorobenzene	13.844	180	3231	1.140	ug/L 99
70) 1,2,4-trichlorobenzene	13.844	180	3231	1.359	ug/L 99
71) Naphthalene	14.092	128	19679	2.477	ug/L 99
72) 1,2,3-Trichlorobenzene	14.333	180	3809	1.604	ug/L 94

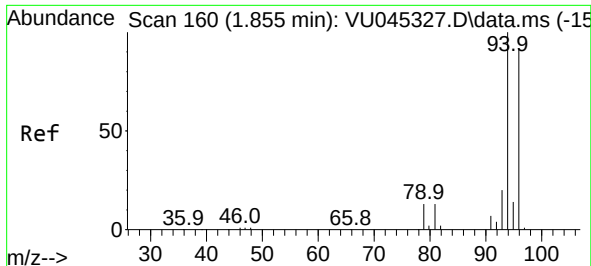
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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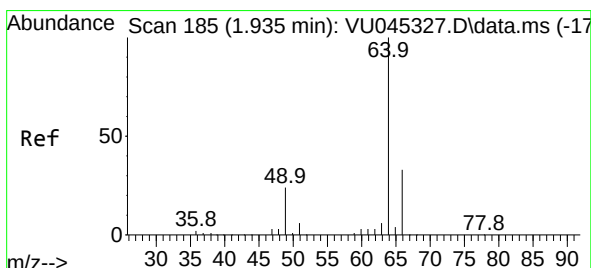
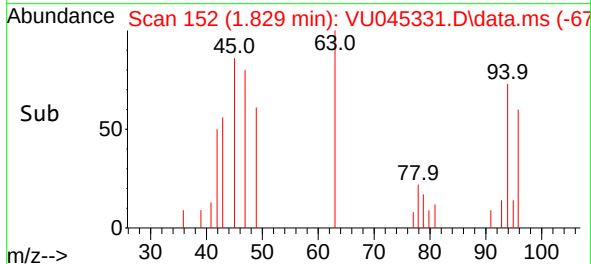
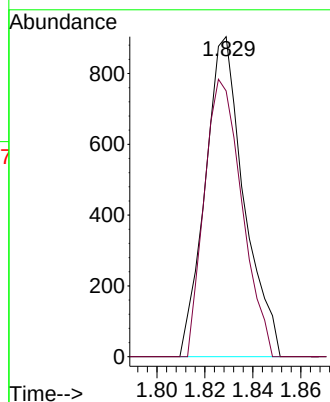
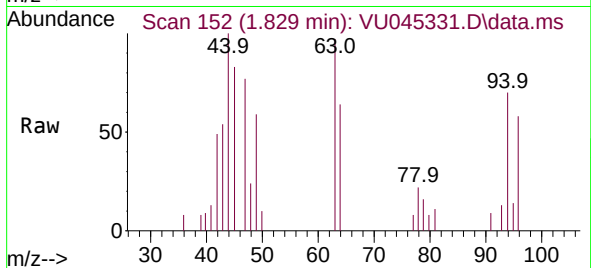




#6
Bromomethane
Concen: 0.715 ug/L
RT: 1.829 min Scan# 152
Delta R.T. -0.026 min
Lab File: VU045331.D
Acq: 19 Oct 2021 15:48

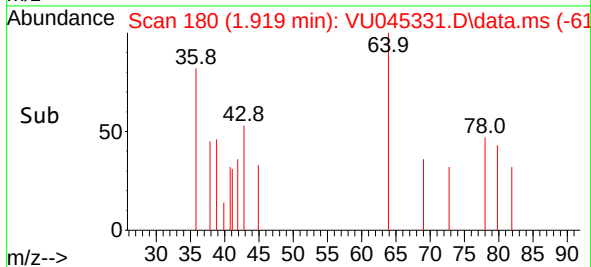
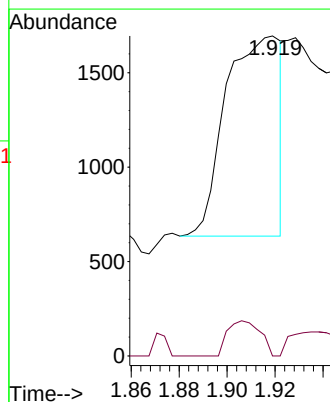
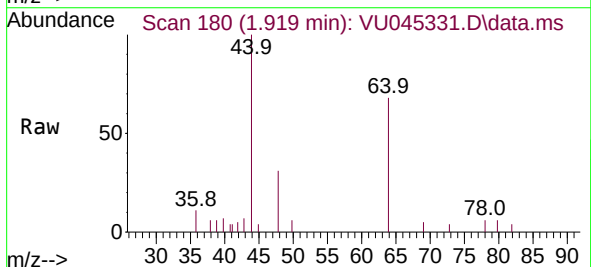
Instrument :
MSVOA_U
ClientSampleId :

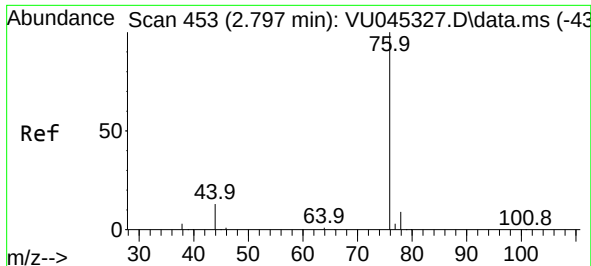
Tgt Ion: 94 Resp: 1017
Ion Ratio Lower Upper
94 100
96 83.1 64.1 119.1



#8
Chloroethane
Concen: 0.993 ug/L
RT: 1.919 min Scan# 180
Delta R.T. -0.016 min
Lab File: VU045331.D
Acq: 19 Oct 2021 15:48

Tgt Ion: 64 Resp: 1676
Ion Ratio Lower Upper
64 100
66 0.0 22.5 41.9#

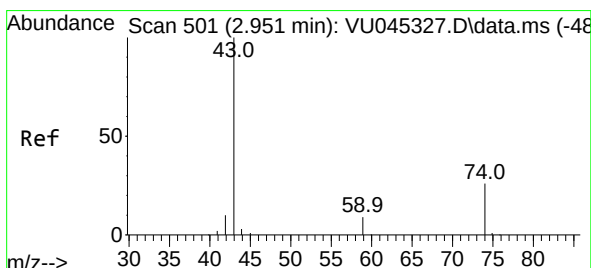
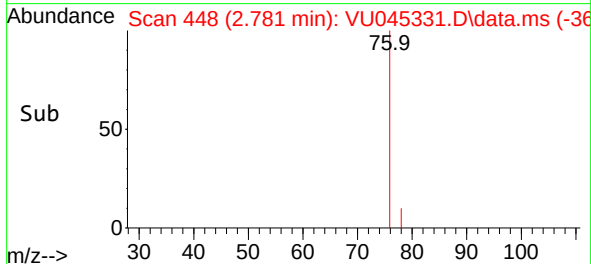
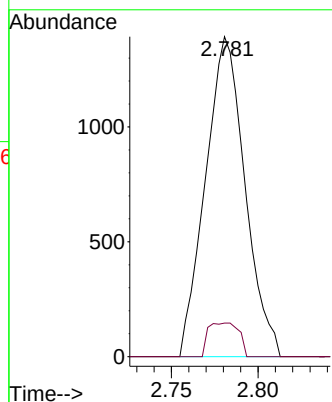
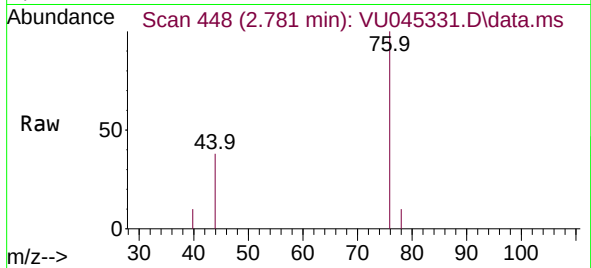




#14
Carbon disulfide
Concen: 0.419 ug/L
RT: 2.781 min Scan# 448
Delta R.T. -0.016 min
Lab File: VU045331.D
Acq: 19 Oct 2021 15:48

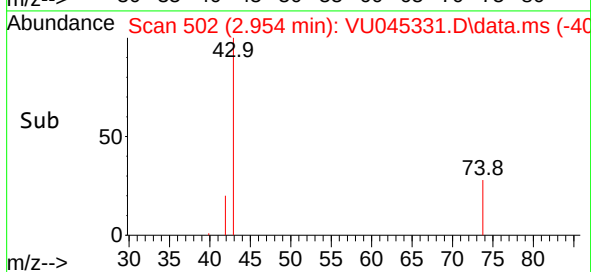
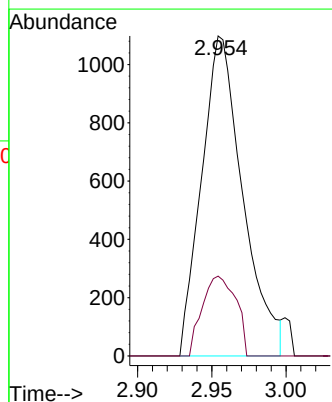
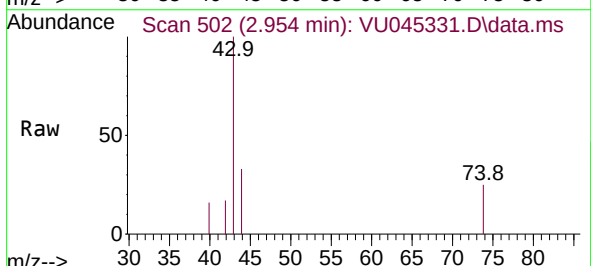
Instrument :
MSVOA_U
ClientSampled :

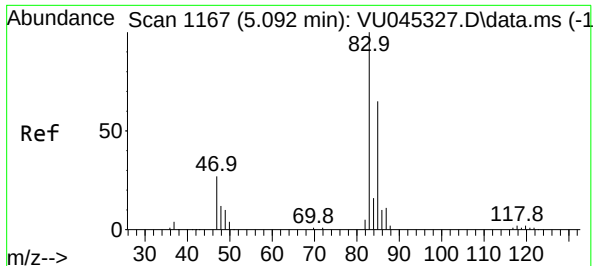
Tgt Ion: 76 Resp: 2208
Ion Ratio Lower Upper
76 100
78 10.5 7.4 11.0



#15
Methyl Acetate
Concen: 0.767 ug/L
RT: 2.954 min Scan# 502
Delta R.T. 0.003 min
Lab File: VU045331.D
Acq: 19 Oct 2021 15:48

Tgt Ion: 43 Resp: 2120
Ion Ratio Lower Upper
43 100
74 20.3 20.5 30.7#





#25

Chloroform

Concen: 0.752 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU045331.D

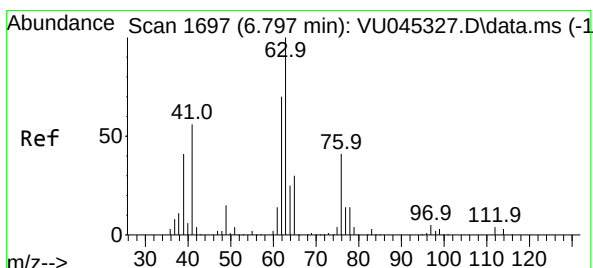
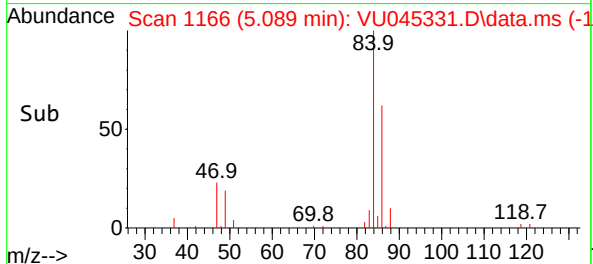
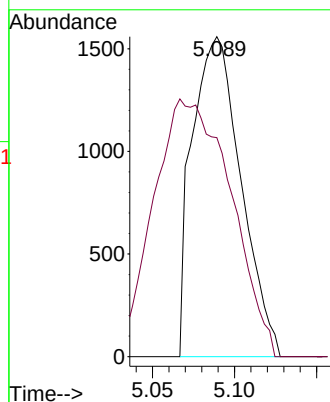
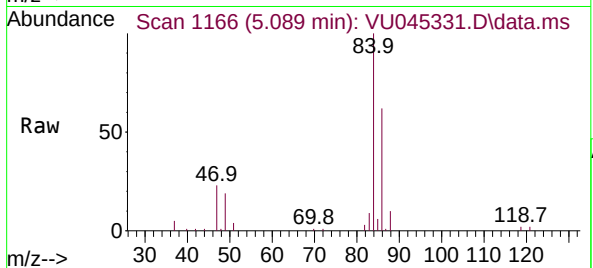
Acq: 19 Oct 2021 15:48

Tgt Ion: 83 Resp: 3217

Ion Ratio Lower Upper

83 100

85 68.4 45.4 84.2



#37

1,2-Dichloropropane

Concen: 4.726 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.103 min

Lab File: VU045331.D

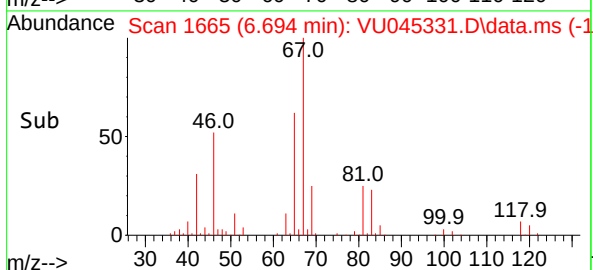
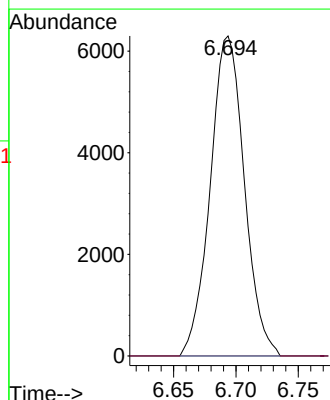
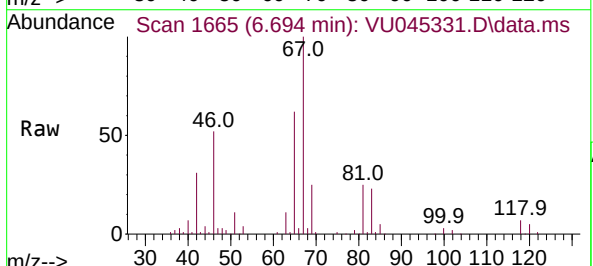
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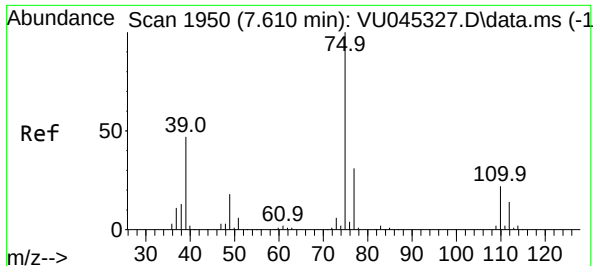
Tgt Ion: 63 Resp: 12010

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



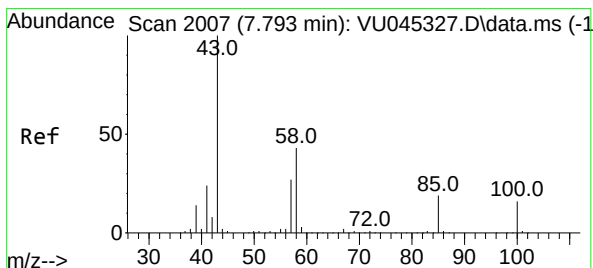
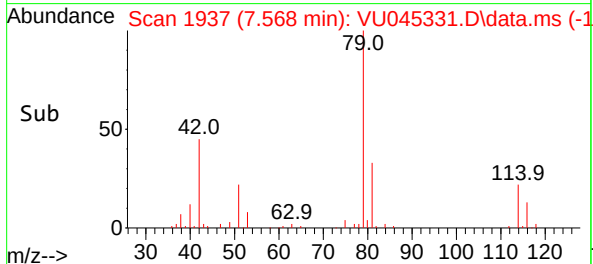
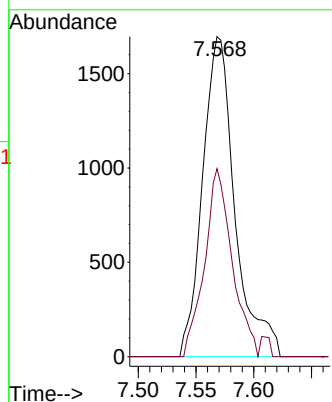
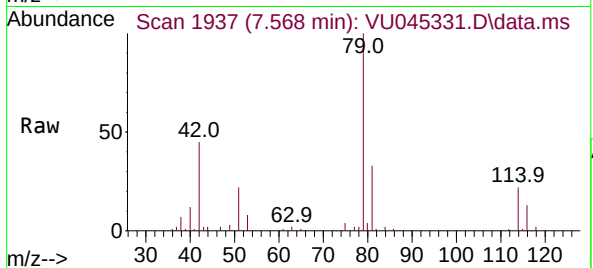


#39

cis-1,3-Dichloropropene
Concen: 0.868 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.042 min
Lab File: VU045331.D
Acq: 19 Oct 2021 15:48

Instrument :
MSVOA_U
ClientSampled :

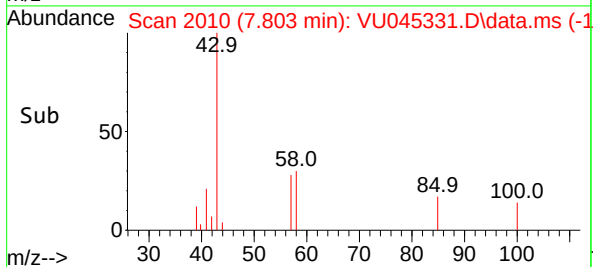
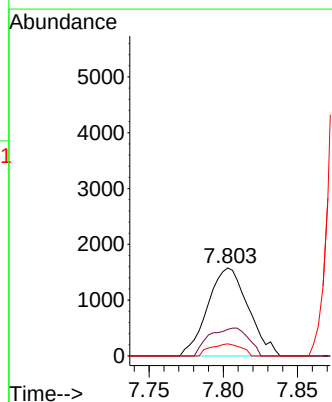
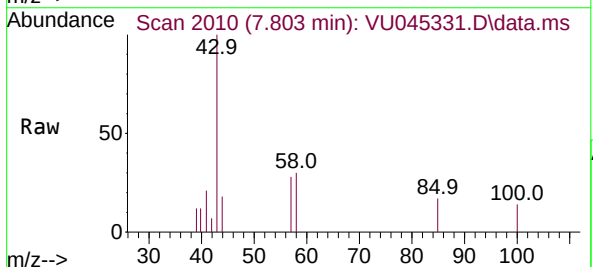
Tgt Ion: 75 Resp: 3301
Ion Ratio Lower Upper
75 100
77 58.7 21.6 40.0#

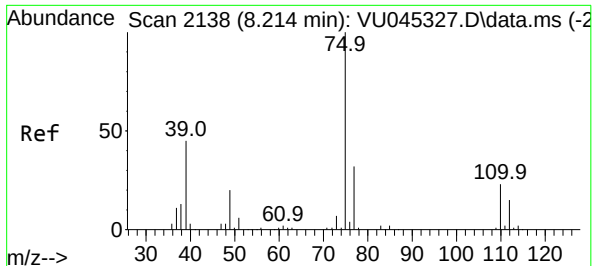


#40

4-Methyl-2-pentanone
Concen: 0.773 ug/L
RT: 7.803 min Scan# 2010
Delta R.T. 0.010 min
Lab File: VU045331.D
Acq: 19 Oct 2021 15:48

Tgt Ion: 43 Resp: 2996
Ion Ratio Lower Upper
43 100
58 30.6 33.7 50.5#
100 10.6 13.0 19.4#

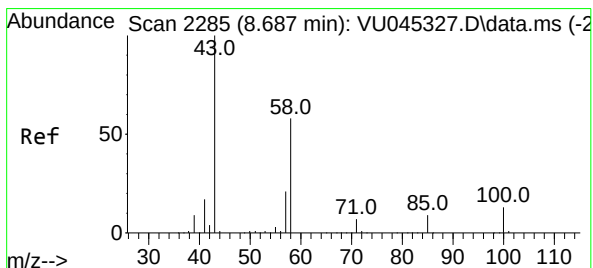
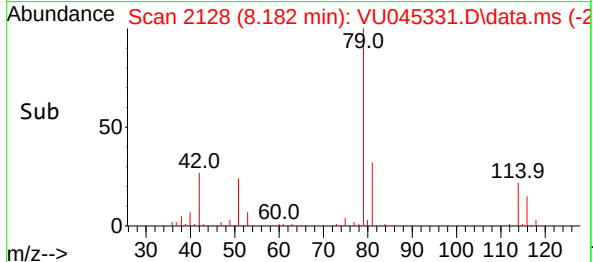
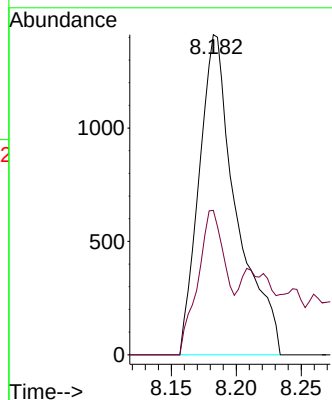
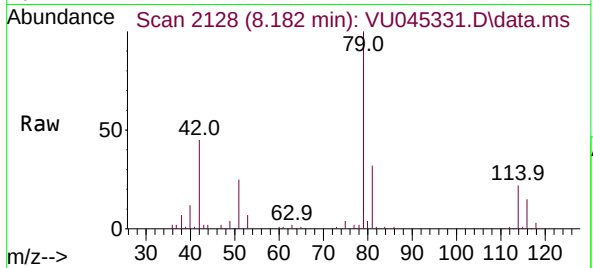




#44
trans-1,3-Dichloropropene
Concen: 0.773 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU045331.D
Acq: 19 Oct 2021 15:48

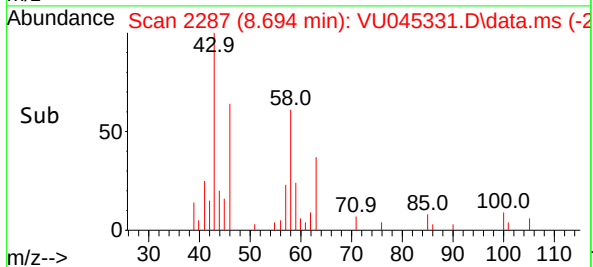
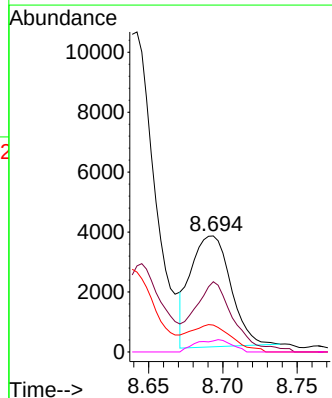
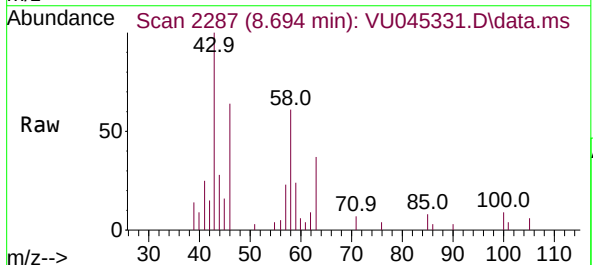
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MSVOA_U
ClientSampled :

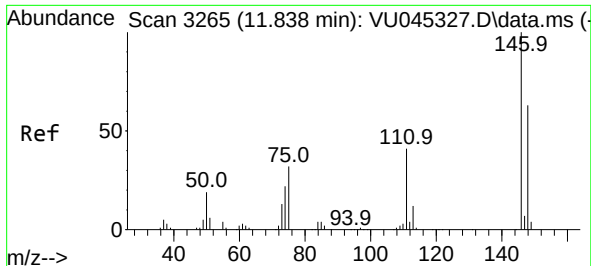
Tgt Ion: 75 Resp: 2814
Ion Ratio Lower Upper
75 100
77 45.1 22.5 41.9#



#48
2-Hexanone
Concen: 2.126 ug/L
RT: 8.694 min Scan# 2287
Delta R.T. 0.006 min
Lab File: VU045331.D
Acq: 19 Oct 2021 15:48

Tgt Ion: 43 Resp: 6957
Ion Ratio Lower Upper
43 100
58 52.9 45.4 68.0
57 25.7 16.0 24.0#
100 5.5 10.3 15.5#

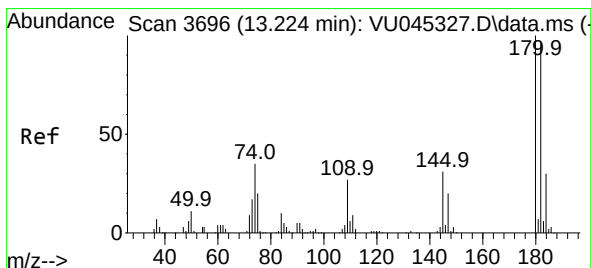
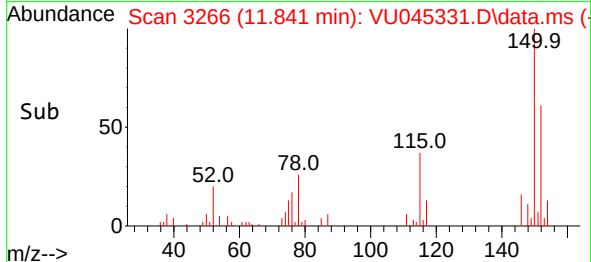
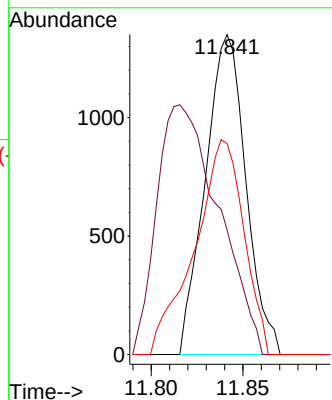
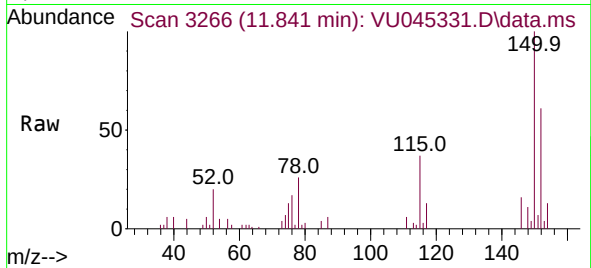




#65
1,4-Dichlorobenzene
Concen: 0.497 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. 0.003 min
Lab File: VU045331.D
Acq: 19 Oct 2021 15:48

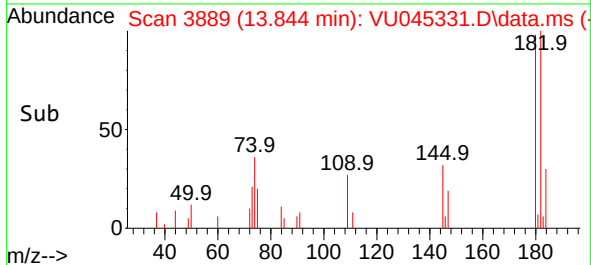
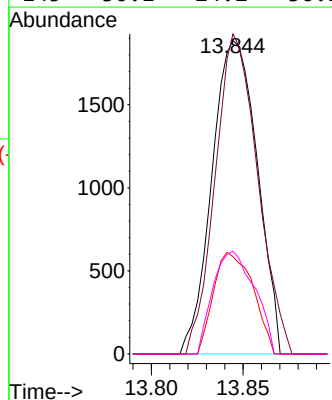
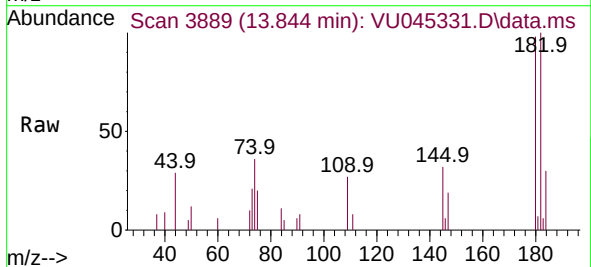
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MSVOA_U
ClientSampled :

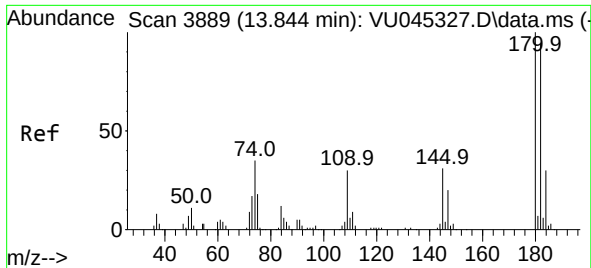
Tgt Ion:146 Resp: 2076
Ion Ratio Lower Upper
146 100
111 39.0 28.6 53.2
148 65.9 44.2 82.0



#69
1,3,5-Trichlorobenzene
Concen: 1.140 ug/L
RT: 13.844 min Scan# 3889
Delta R.T. 0.621 min
Lab File: VU045331.D
Acq: 19 Oct 2021 15:48

Tgt Ion:180 Resp: 3231
Ion Ratio Lower Upper
180 100
182 95.5 76.0 114.0
184 28.3 23.8 35.8
145 30.1 24.2 36.2

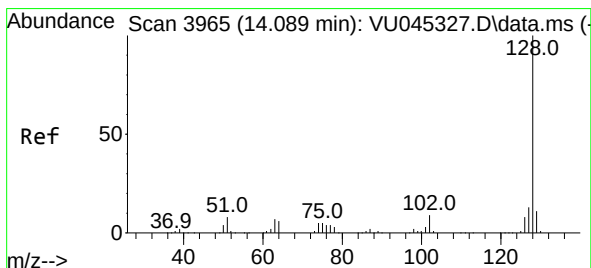
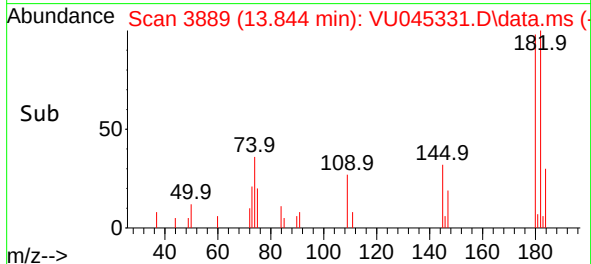
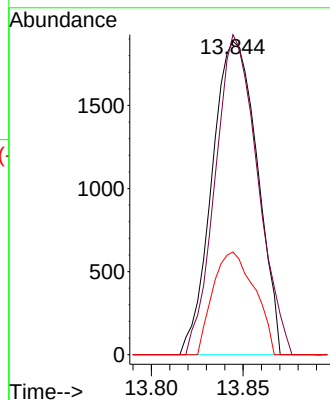
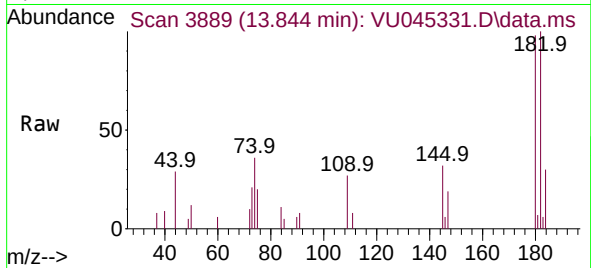




#70
1,2,4-trichlorobenzene
Concen: 1.359 ug/L
RT: 13.844 min Scan# 3889
Delta R.T. 0.000 min
Lab File: VU045331.D
Acq: 19 Oct 2021 15:48

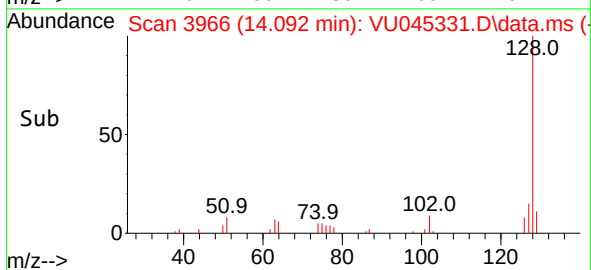
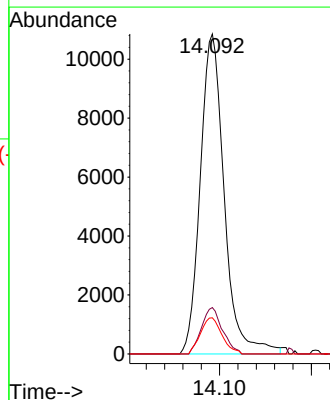
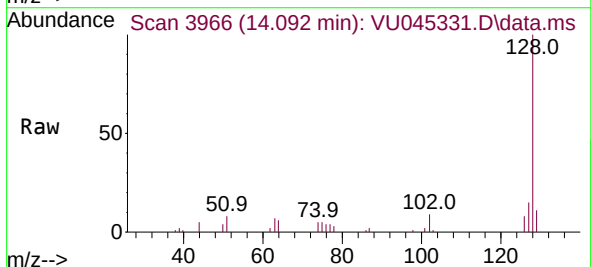
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ClientSampled :

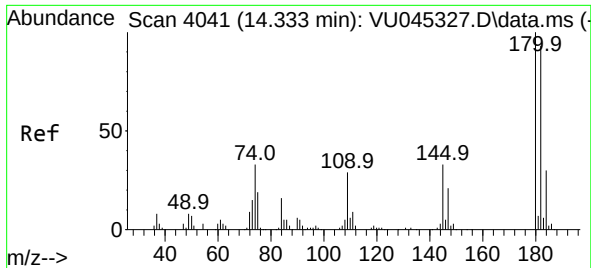
Tgt Ion:180 Resp: 3231
Ion Ratio Lower Upper
180 100
182 95.5 75.7 113.5
145 30.1 25.1 37.7



#71
Naphthalene
Concen: 2.477 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045331.D
Acq: 19 Oct 2021 15:48

Tgt Ion:128 Resp: 19679
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 10.1 8.6 13.0





#72
 1,2,3-Trichlorobenzene
 Concen: 1.604 ug/L
 RT: 14.333 min Scan# 4041
 Delta R.T. 0.000 min
 Lab File: VU045331.D
 Acq: 19 Oct 2021 15:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:180 Resp: 3809
 Ion Ratio Lower Upper
 180 100
 182 100.7 75.0 112.4
 145 33.5 26.4 39.6

