

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063021\
 Data File : VU044269.D
 Acq On : 30 Jun 2021 18:51
 Operator : SY/MD
 Sample : M2905-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 01 02:40:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jul 01 02:36:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	149520	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	141487	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	75833	5.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.601	65	37560	4.640	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.800%
7) Chloroethane-d5	1.919	69	38024	4.770	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.400%
11) 1,1-Dichloroethene-d2	2.572	65	19602	4.718	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.400%
20) 2-Butanone-d5	4.642	46	131235	44.023	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.040%
24) Chloroform-d	5.073	84	91209	5.005	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.000%
26) 1,2-Dichloroethane-d4	5.713	65	52607	4.829	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.600%
32) Benzene-d6	5.736	84	182180	5.184	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
36) 1,2-Dichloropropane-d6	6.700	67	59329	5.210	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.200%
41) Toluene-d8	7.903	98	167435	5.135	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.600%
43) trans-1,3-Dichloroprop...	8.186	79	24503	4.639	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.800%
46) 2-Hexanone-d5	8.639	63	127445	50.655	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.320%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	50063	4.945	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	12.198	152	70886	5.673	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.400%

Target Compounds

					Qvalue
5) Vinyl chloride	1.607	62	7988	0.756	ug/L # 1
13) Acetone	2.655	43	2174	1.631	ug/L # 48
14) Carbon disulfide	2.810	76	2128	0.080	ug/L 96
15) Methyl Acetate	2.970	43	516	0.138	ug/L # 53
18) trans-1,2-Dichloroethene	3.363	96	3392	0.369	ug/L 95
19) 1,1-Dichloroethane	3.880	63	16122	0.920	ug/L # 87
21) 2-Butanone	4.459	43	109911	36.297	ug/L # 1
22) cis-1,2-Dichloroethene	4.674	96	4420	0.440	ug/L 96
30) Cyclohexane	5.401	56	1856	0.113	ug/L 93
37) 1,2-Dichloropropane	6.800	63	2167	0.221	ug/L # 87
39) cis-1,3-Dichloropropene	7.575	75	1808	0.112	ug/L # 52
42) Toluene	7.977	91	5278	0.129	ug/L 96
51) Chlorobenzene	9.452	112	21900	0.836	ug/L 99
57) 1,1,2,2-Tetrachloroethane	10.803	83	2806	0.287	ug/L # 33
60) Isopropylbenzene	10.488	105	16389	0.355	ug/L 98
61) 1,2,3-Trichloropropane	11.758	75	1253	0.183	ug/L # 1
64) 1,3-Dichlorobenzene	11.751	146	2828	0.136	ug/L 94
65) 1,4-Dichlorobenzene	11.841	146	3533	0.168	ug/L # 87
67) 1,2-Dichlorobenzene	12.218	146	1955	0.100	ug/L # 73

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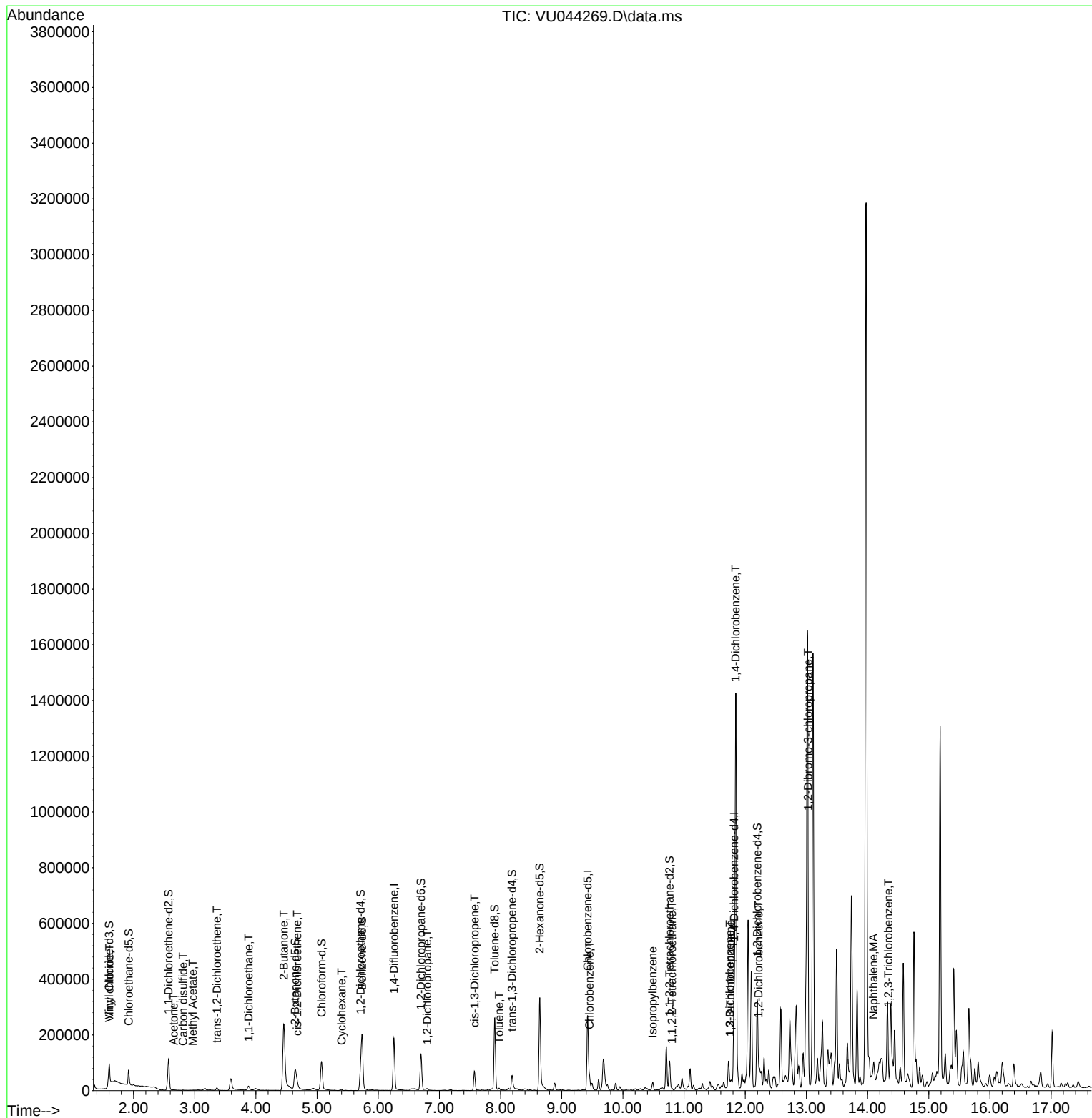
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	13.028	75	3915	2.189	ug/L #	1
71) Naphthalene	14.095	128	6189	0.254	ug/L #	69
72) 1,2,3-Trichlorobenzene	14.340	180	565	0.049	ug/L #	1

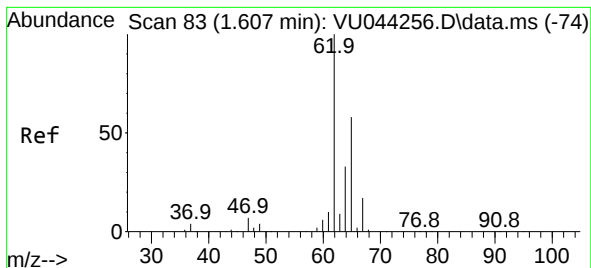
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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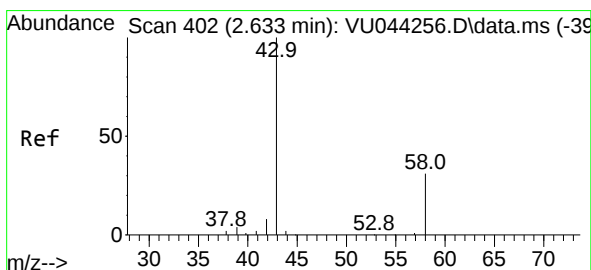
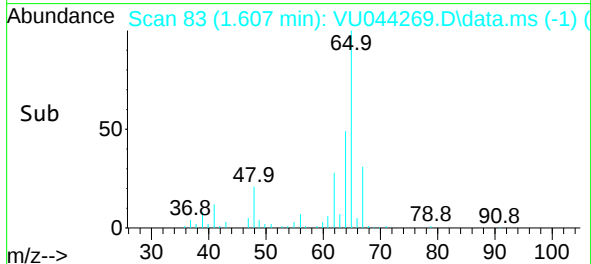
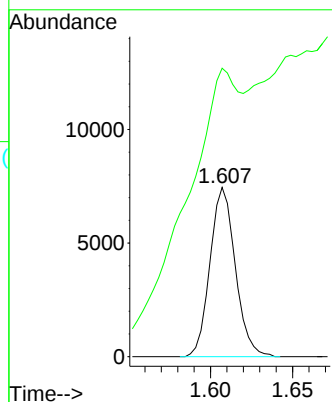
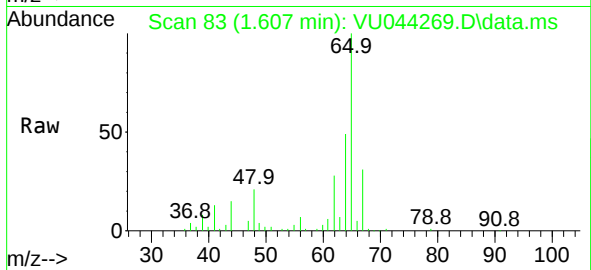




#5
 Vinyl chloride
 Concen: 0.756 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU044269.D
 Acq: 30 Jun 2021 18:51

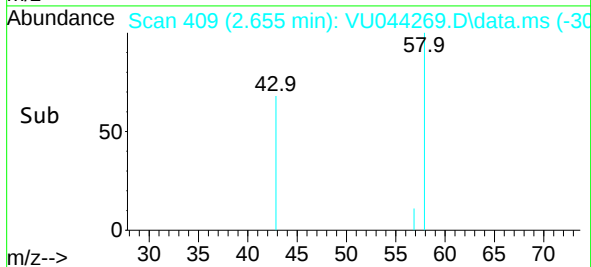
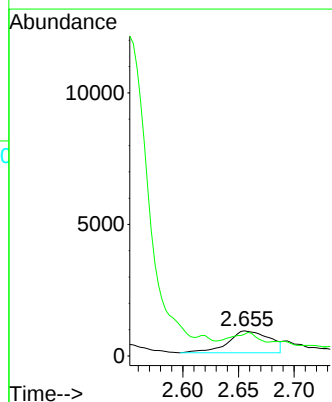
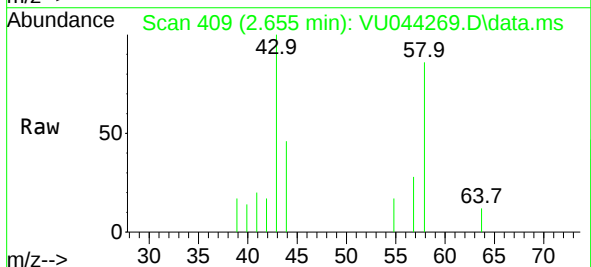
Instrument :
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 ClientSampled :

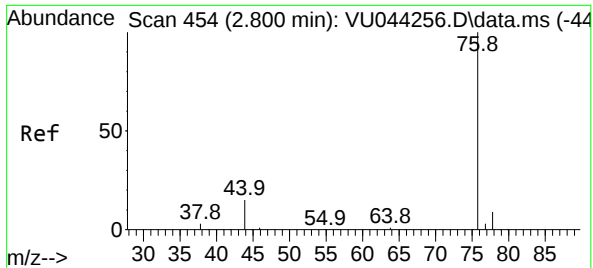
Tgt Ion: 62 Resp: 7988
 Ion Ratio Lower Upper
 62 100
 64 170.5 23.7 44.1#



#13
 Acetone
 Concen: 1.631 ug/L
 RT: 2.655 min Scan# 409
 Delta R.T. 0.023 min
 Lab File: VU044269.D
 Acq: 30 Jun 2021 18:51

Tgt Ion: 43 Resp: 2174
 Ion Ratio Lower Upper
 43 100
 58 0.0 0.0 53.8

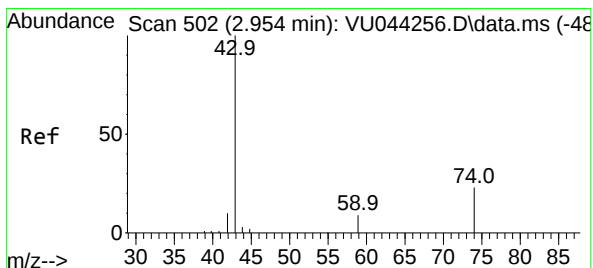
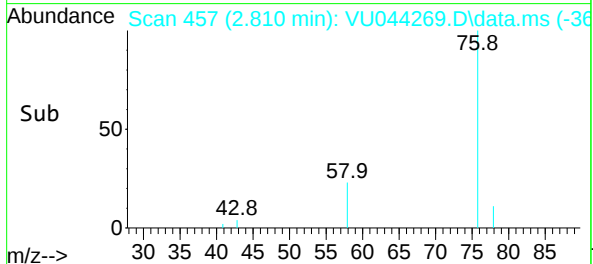
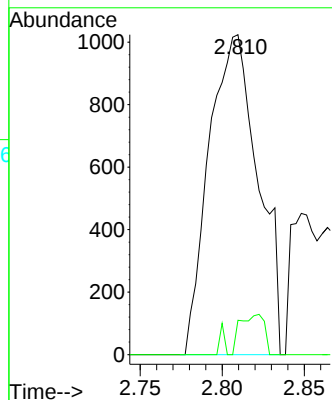
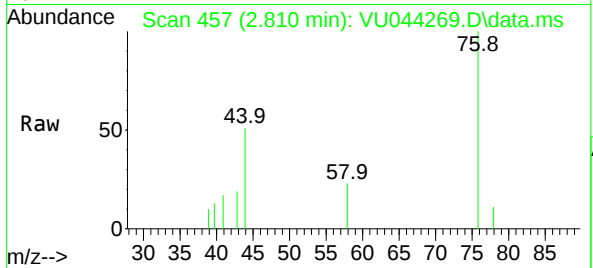




#14
Carbon disulfide
Concen: 0.080 ug/L
RT: 2.810 min Scan# 457
Delta R.T. 0.010 min
Lab File: VU044269.D
Acq: 30 Jun 2021 18:51

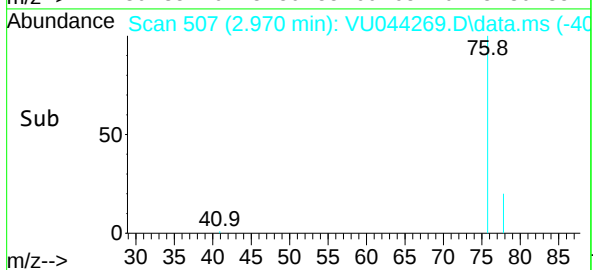
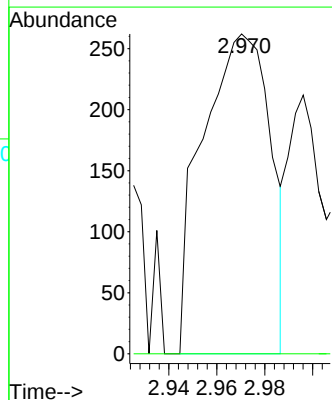
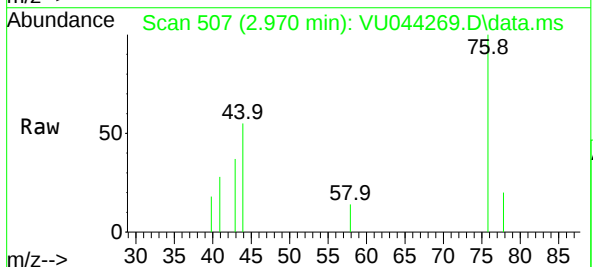
Instrument :
MSVOA_U
ClientSampled :

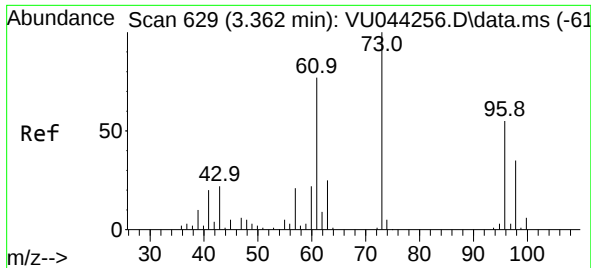
Tgt Ion: 76 Resp: 2128
Ion Ratio Lower Upper
76 100
78 10.7 7.4 11.2



#15
Methyl Acetate
Concen: 0.138 ug/L
RT: 2.970 min Scan# 507
Delta R.T. 0.016 min
Lab File: VU044269.D
Acq: 30 Jun 2021 18:51

Tgt Ion: 43 Resp: 516
Ion Ratio Lower Upper
43 100
74 0.0 18.4 27.6#

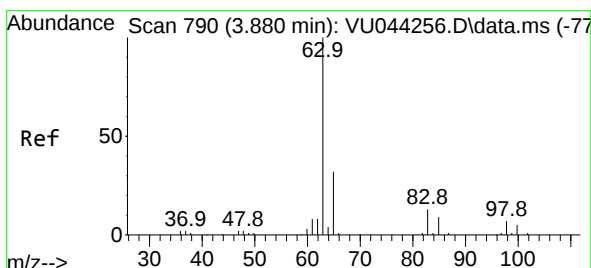
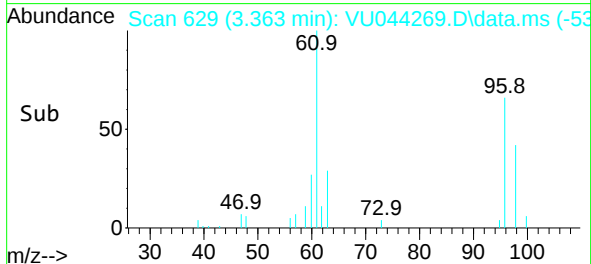
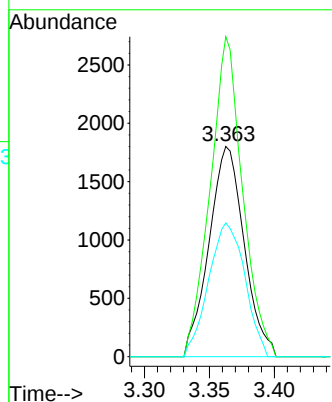
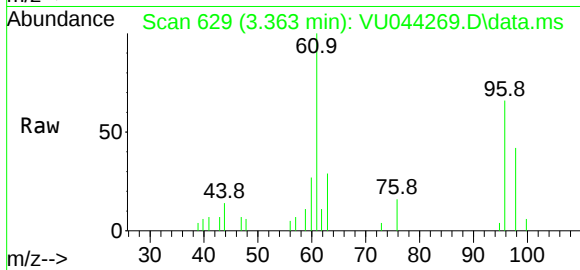




#18
trans-1,2-Dichloroethene
Concen: 0.369 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU044269.D
Acq: 30 Jun 2021 18:51

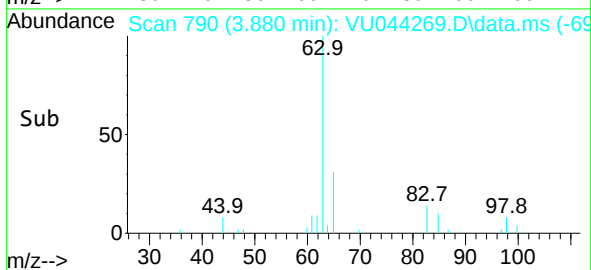
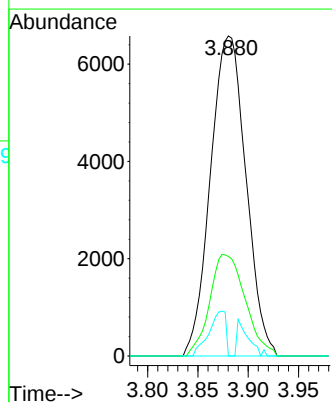
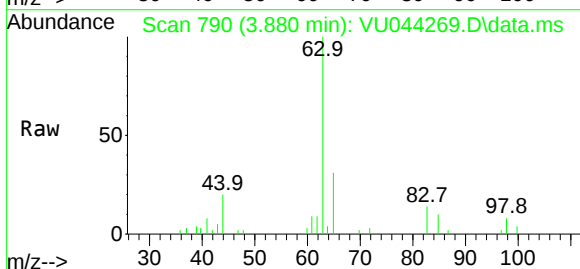
Instrument :
MSVOA_U
ClientSampled :

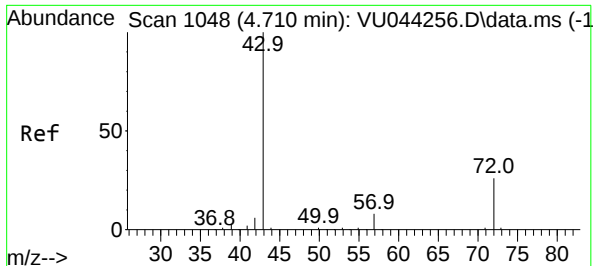
Tgt Ion:	96	Resp:	3392
Ion	Ratio	Lower	Upper
96	100		
61	152.2	100.2	186.2
98	63.6	44.9	83.5



#19
1,1-Dichloroethane
Concen: 0.920 ug/L
RT: 3.880 min Scan# 790
Delta R.T. 0.000 min
Lab File: VU044269.D
Acq: 30 Jun 2021 18:51

Tgt Ion:	63	Resp:	16122
Ion	Ratio	Lower	Upper
63	100		
65	29.8	22.3	41.3
83	0.0	9.9	18.5#





#21

2-Butanone

Concen: 36.297 ug/L

RT: 4.459 min Scan# 970

Delta R.T. -0.251 min

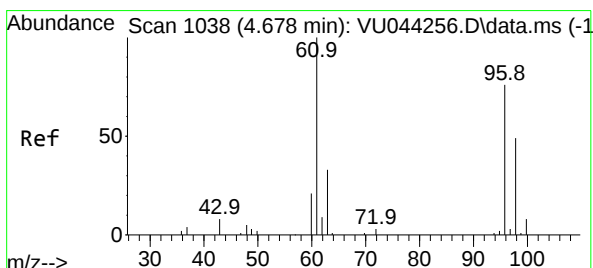
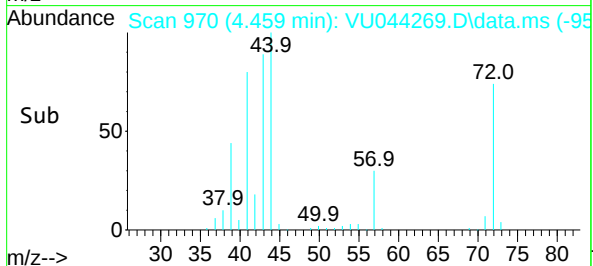
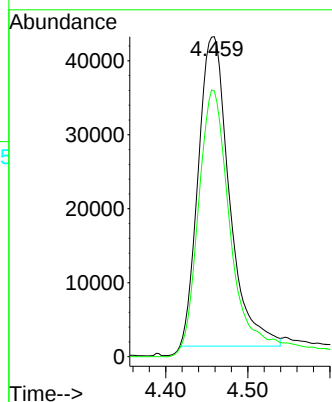
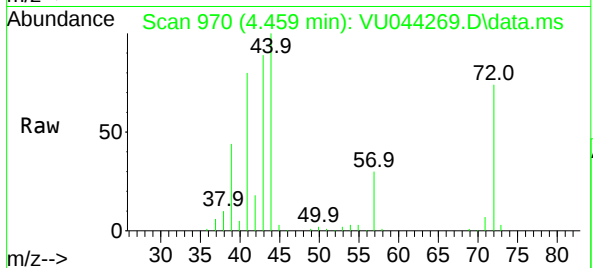
Lab File: VU044269.D

Acq: 30 Jun 2021 18:51

Tgt Ion: 43 Resp: 109911

Ion Ratio Lower Upper

43	100		
72	80.3	13.4	40.1#



#22

cis-1,2-Dichloroethene

Concen: 0.440 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. -0.003 min

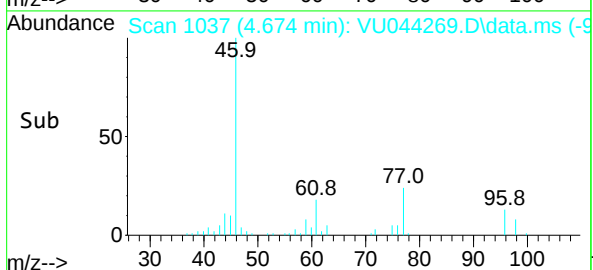
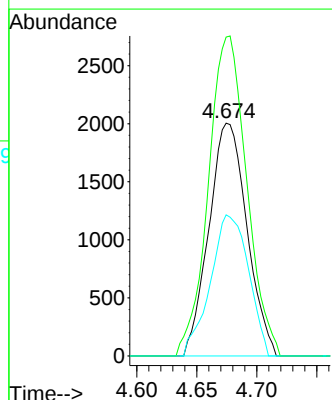
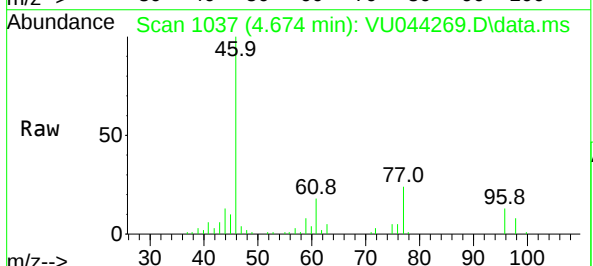
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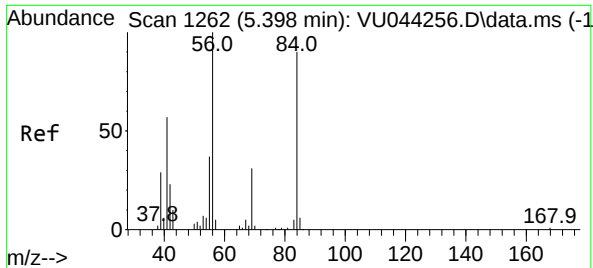
Acq: 30 Jun 2021 18:51

Tgt Ion: 96 Resp: 4420

Ion Ratio Lower Upper

96	100		
61	137.0	98.8	183.6
98	60.6	44.8	83.2

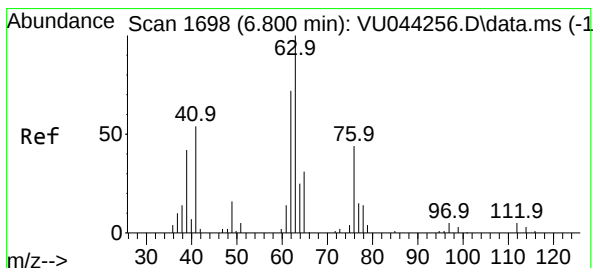
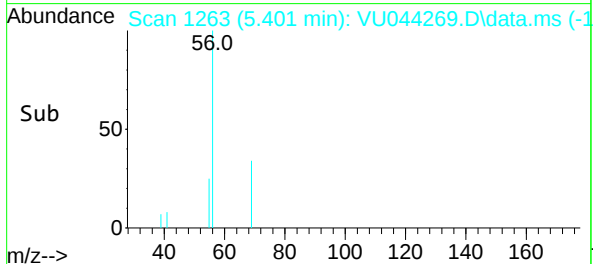
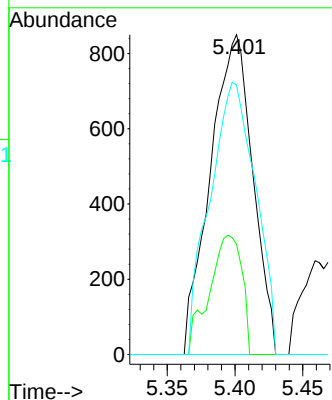
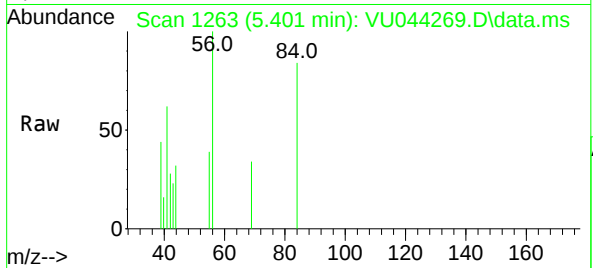




#30
Cyclohexane
Concen: 0.113 ug/L
RT: 5.401 min Scan# 1263
Delta R.T. 0.003 min
Lab File: VU044269.D
Acq: 30 Jun 2021 18:51

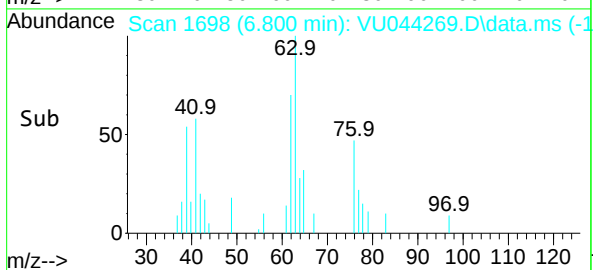
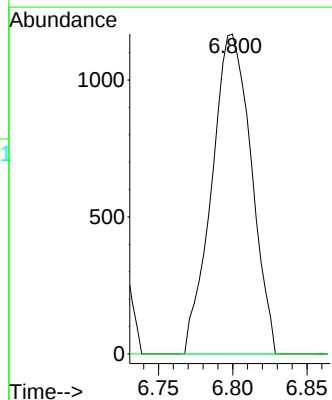
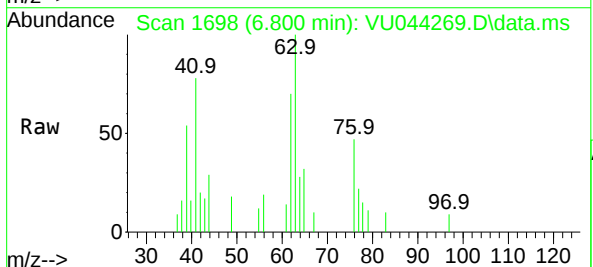
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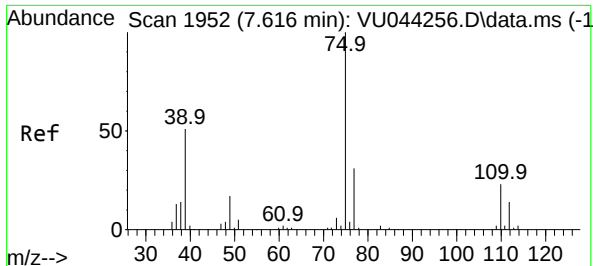
Tgt Ion: 56 Resp: 1856
Ion Ratio Lower Upper
56 100
69 28.6 24.8 37.2
84 91.5 67.8 101.8



#37
1,2-Dichloropropane
Concen: 0.221 ug/L
RT: 6.800 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VU044269.D
Acq: 30 Jun 2021 18:51

Tgt Ion: 63 Resp: 2167
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



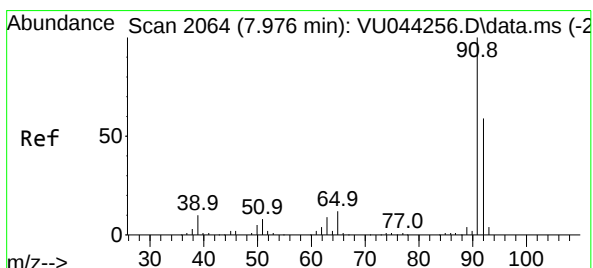
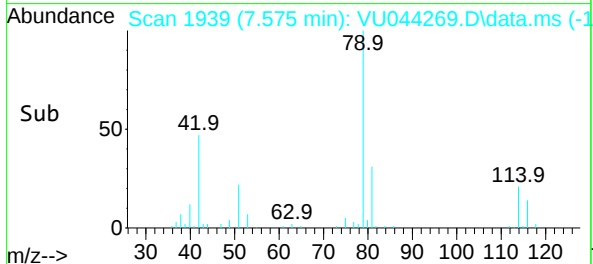
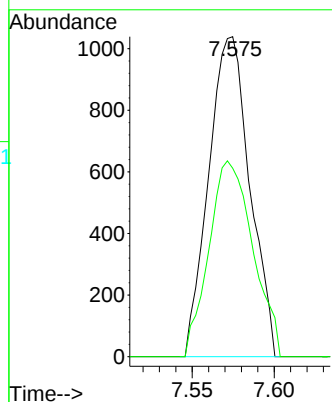
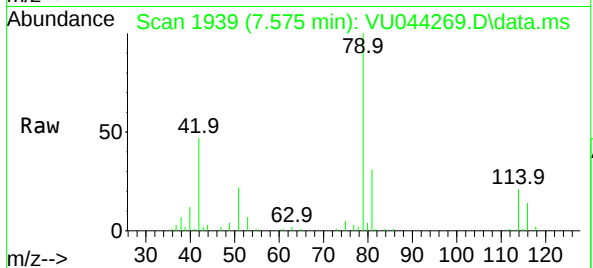


#39

cis-1,3-Dichloropropene
Concen: 0.112 ug/L
RT: 7.575 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU044269.D
Acq: 30 Jun 2021 18:51

Instrument :
MSVOA_U
ClientSampled :

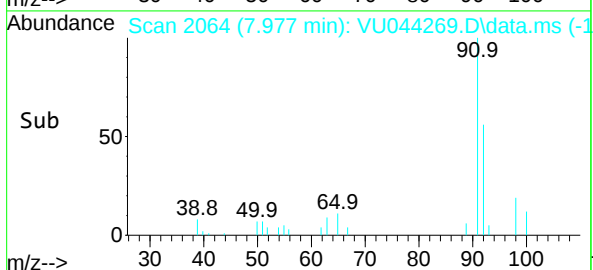
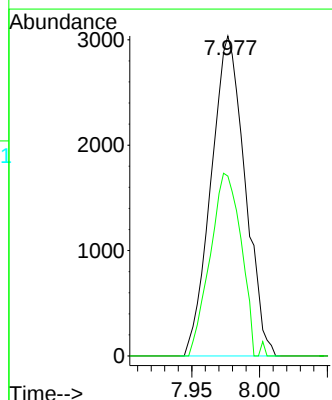
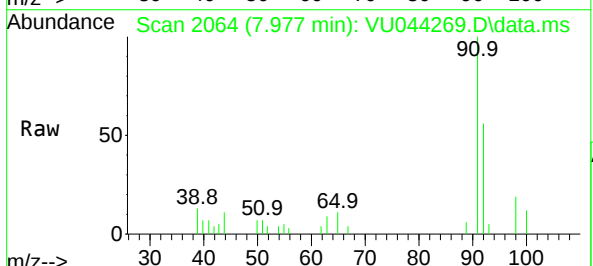
Tgt Ion: 75 Resp: 1808
Ion Ratio Lower Upper
75 100
77 58.9 22.5 41.7#

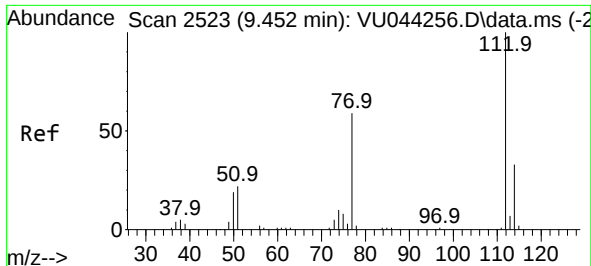


#42

Toluene
Concen: 0.129 ug/L
RT: 7.977 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU044269.D
Acq: 30 Jun 2021 18:51

Tgt Ion: 91 Resp: 5278
Ion Ratio Lower Upper
91 100
92 56.2 41.2 76.6

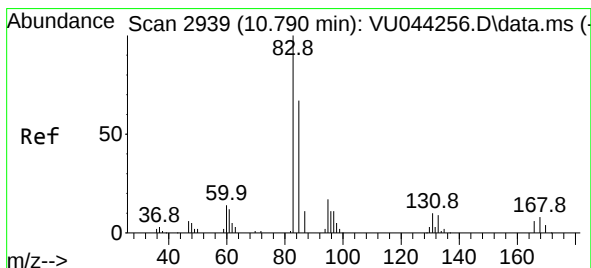
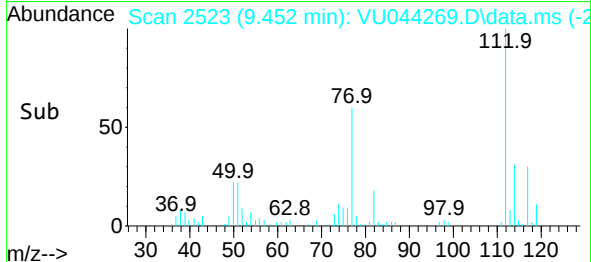
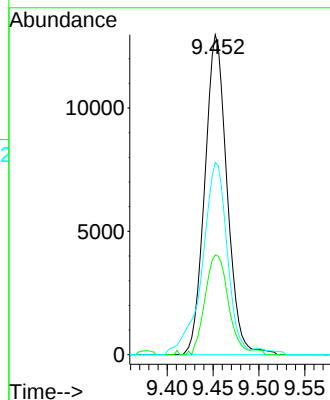
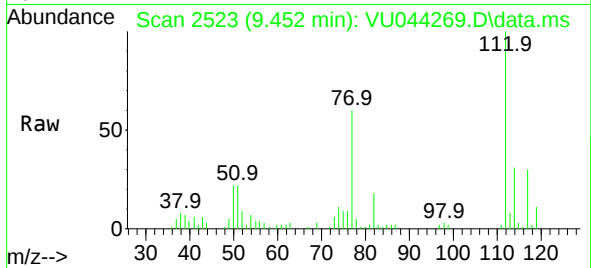




#51
Chlorobenzene
Concen: 0.836 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. 0.000 min
Lab File: VU044269.D
Acq: 30 Jun 2021 18:51

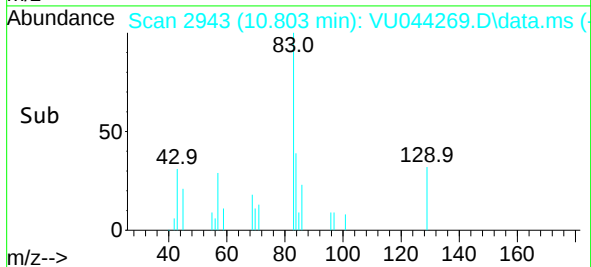
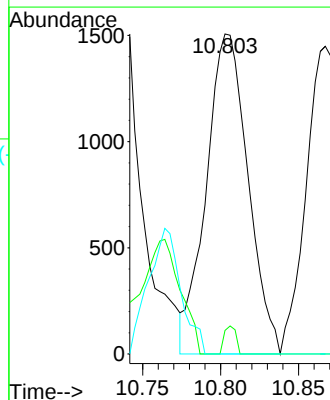
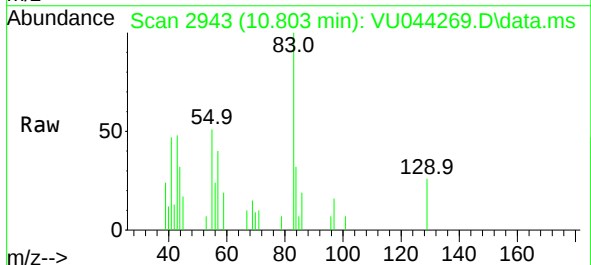
Instrument :
MSVOA_U
ClientSampleId :

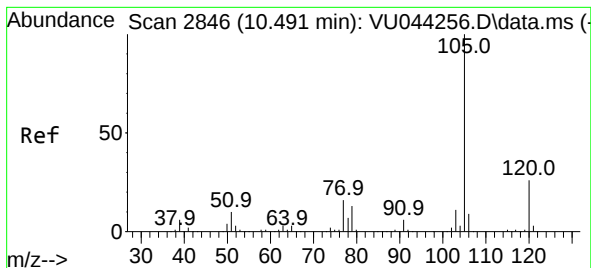
Tgt Ion:112 Resp: 21900
Ion Ratio Lower Upper
112 100
114 31.1 22.0 41.0
77 60.0 48.9 73.3



#57
1,1,2,2-Tetrachloroethane
Concen: 0.287 ug/L
RT: 10.803 min Scan# 2943
Delta R.T. 0.013 min
Lab File: VU044269.D
Acq: 30 Jun 2021 18:51

Tgt Ion: 83 Resp: 2806
Ion Ratio Lower Upper
83 100
85 7.4 45.5 84.5#
131 0.0 7.9 11.9#





#60

Isopropylbenzene

Concen: 0.355 ug/L

RT: 10.488 min Scan# 2845

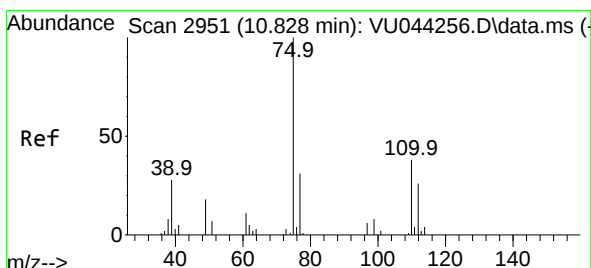
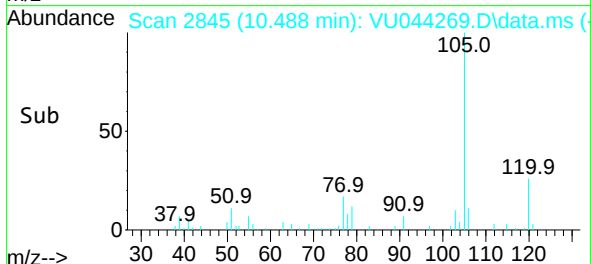
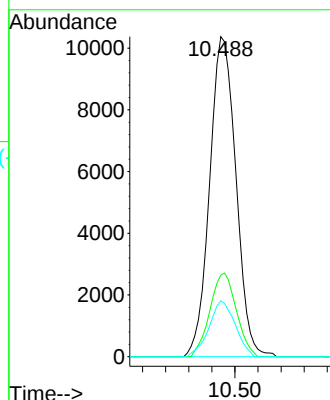
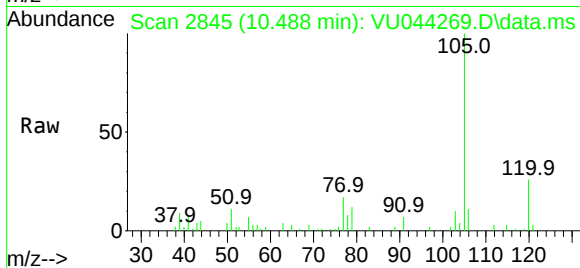
Delta R.T. -0.003 min

Lab File: VU044269.D

Acq: 30 Jun 2021 18:51

Tgt Ion:	105	Resp:	16389
Ion Ratio	Lower	Upper	
105	100		
120	26.2	20.7	31.1
77	17.4	12.9	19.3

Instrument :
MSVOA_U
ClientSampleId :



#61

1,2,3-Trichloropropane

Concen: 0.183 ug/L

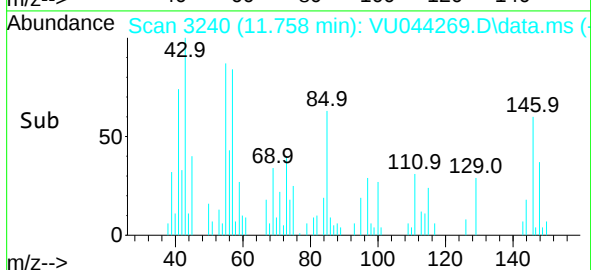
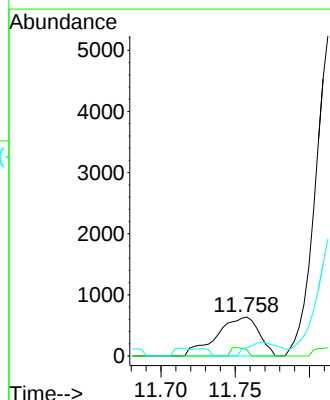
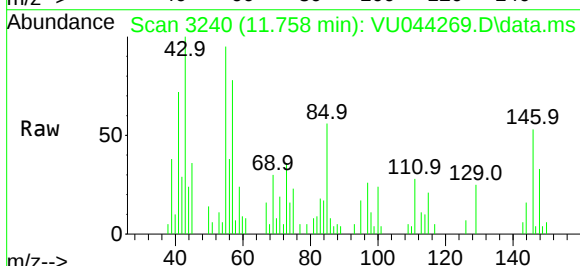
RT: 11.758 min Scan# 3240

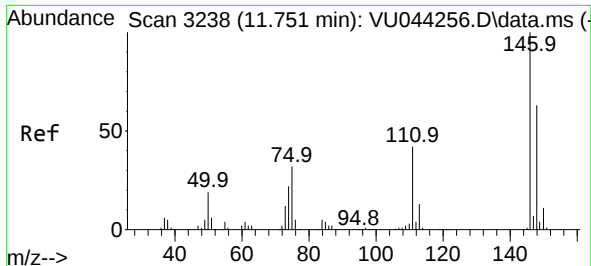
Delta R.T. 0.929 min

Lab File: VU044269.D

Acq: 30 Jun 2021 18:51

Tgt Ion:	75	Resp:	1253
Ion Ratio	Lower	Upper	
75	100		
110	7.7	30.5	45.7#
77	176.1	26.1	39.1#

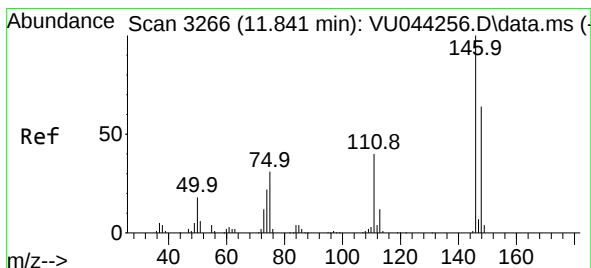
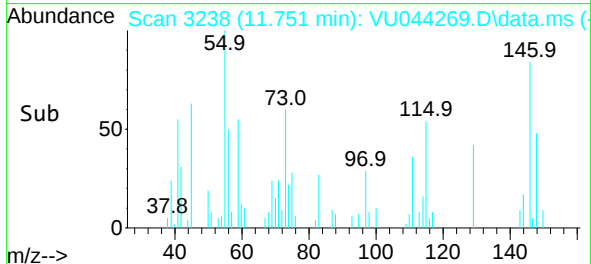
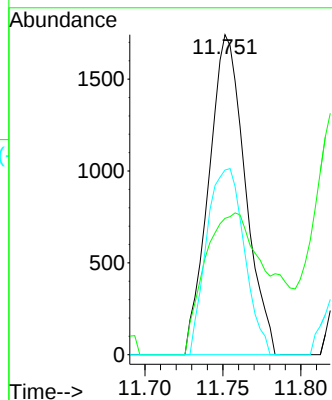
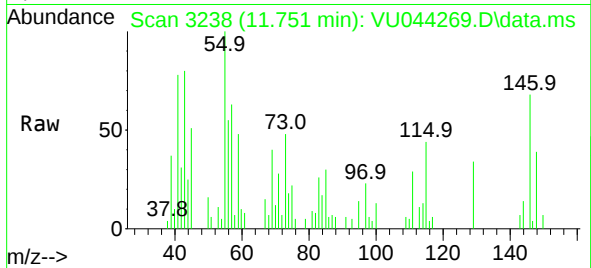




#64
1,3-Dichlorobenzene
Concen: 0.136 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. 0.000 min
Lab File: VU044269.D
Acq: 30 Jun 2021 18:51

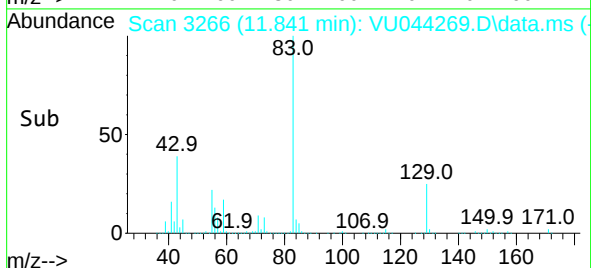
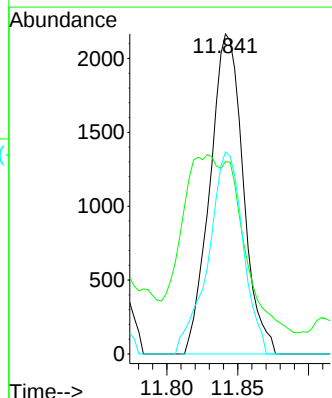
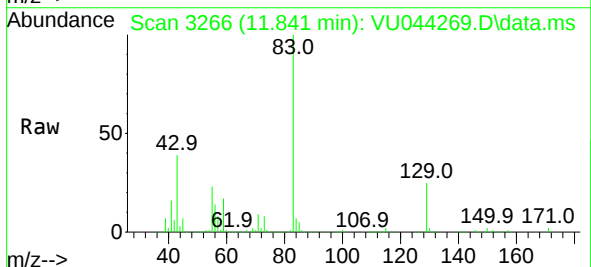
Instrument :
MSVOA_U
ClientSampleId :

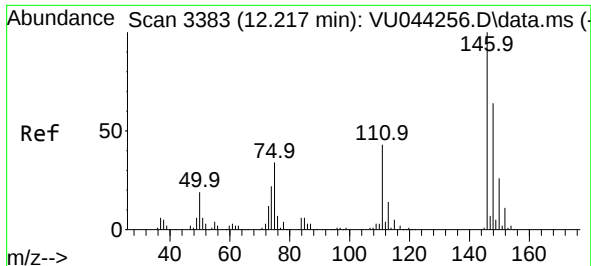
Tgt Ion:146 Resp: 2828
Ion Ratio Lower Upper
146 100
111 42.6 29.8 55.3
148 57.7 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 0.168 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. 0.000 min
Lab File: VU044269.D
Acq: 30 Jun 2021 18:51

Tgt Ion:146 Resp: 3533
Ion Ratio Lower Upper
146 100
111 60.1 28.2 52.4#
148 63.2 45.1 83.9

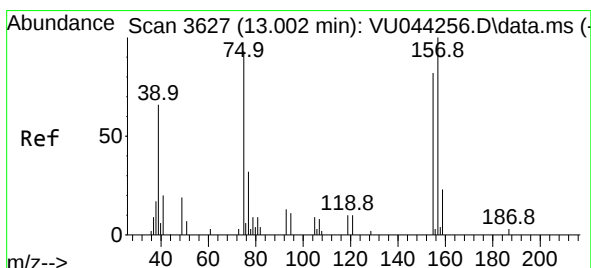
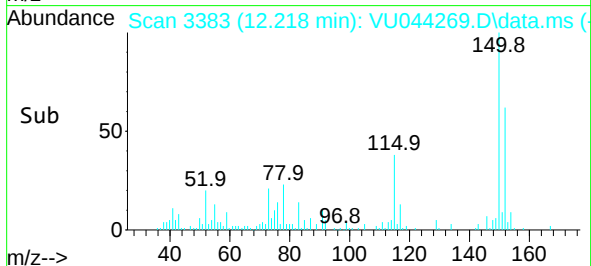
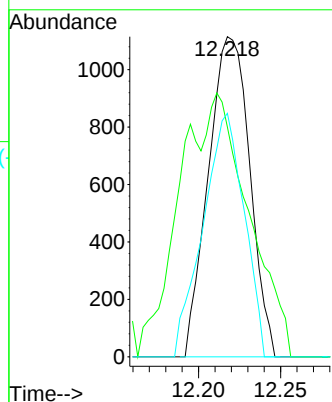
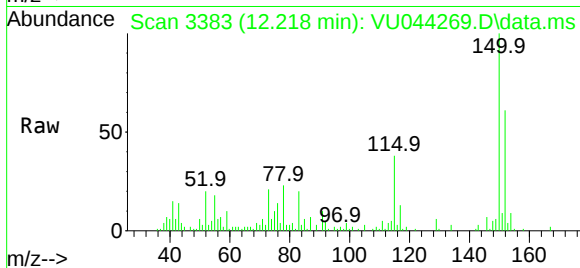




#67
1,2-Dichlorobenzene
Concen: 0.100 ug/L
RT: 12.218 min Scan# 3383
Delta R.T. 0.000 min
Lab File: VU044269.D
Acq: 30 Jun 2021 18:51

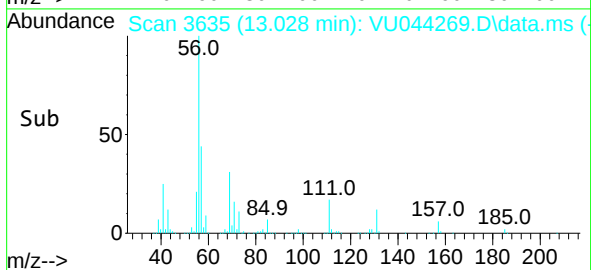
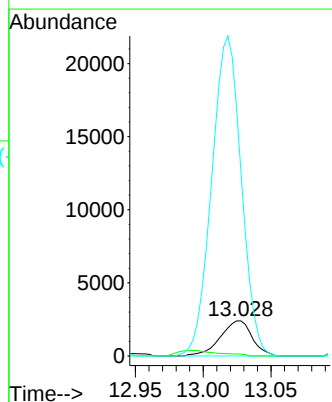
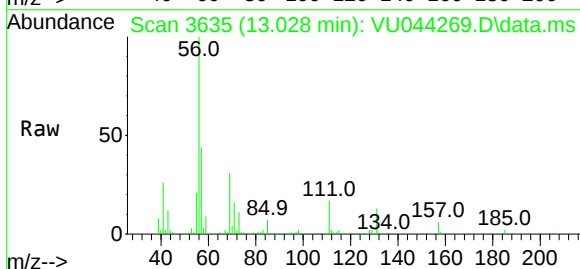
Instrument :
MSVOA_U
ClientSampleId :

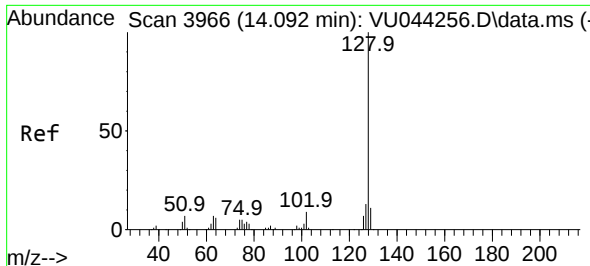
Tgt Ion:146 Resp: 1955
Ion Ratio Lower Upper
146 100
111 71.7 35.0 52.6#
148 76.1 51.2 76.8



#68
1,2-Dibromo-3-chloropropane
Concen: 2.189 ug/L
RT: 13.028 min Scan# 3635
Delta R.T. 0.026 min
Lab File: VU044269.D
Acq: 30 Jun 2021 18:51

Tgt Ion: 75 Resp: 3915
Ion Ratio Lower Upper
75 100
155 5.4 59.9 89.9#
157 522.6 79.3 118.9#

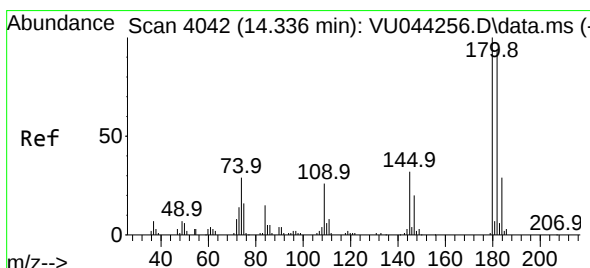
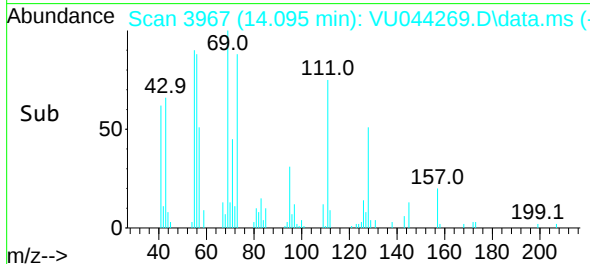
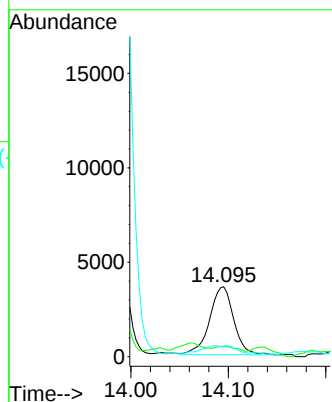
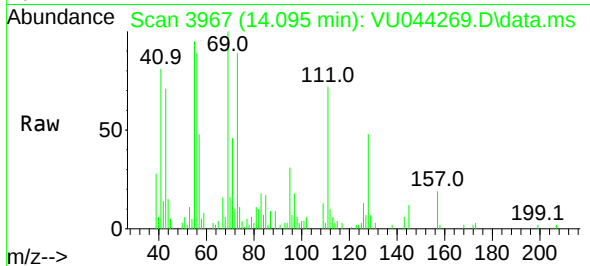




#71
Naphthalene
Concen: 0.254 ug/L
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044269.D
Acq: 30 Jun 2021 18:51

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 6189
Ion Ratio Lower Upper
128 100
129 0.0 8.9 13.3#
127 0.0 10.3 15.5#



#72
1,2,3-Trichlorobenzene
Concen: 0.049 ug/L
RT: 14.340 min Scan# 4043
Delta R.T. 0.003 min
Lab File: VU044269.D
Acq: 30 Jun 2021 18:51

Tgt Ion:180 Resp: 565
Ion Ratio Lower Upper
180 100
182 72.9 76.4 114.6#
145 892.9 26.5 39.7#

