

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020923\
 Data File : VU053016.D
 Acq On : 09 Feb 2023 13:57
 Operator : JC/MD
 Sample : 01480-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TB-02-020723

Quant Time: Feb 09 14:36:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jan 24 05:16:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.109	96	34312	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	12180	1.067	ug/l	0.00
Spiked Amount	1.000		Recovery	=	107.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	9936	0.846	ug/l	0.00
Spiked Amount	1.000		Recovery	=	85.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.424	85	360	0.031	ug/l	# 43
3) Chloromethane	1.521	50	1125	0.102	ug/l	97
4) Vinyl Chloride	1.608	62	20	0.002	ug/l	# 42
5) Bromomethane	1.984	94	20	0.004	ug/l	91
9) 1,1-Dichloroethene	2.582	96	69	0.009	ug/l	6
10) Iodomethane	2.720	142	499	0.056	ug/l	87
11) Allyl Chloride	3.006	41	98	0.010	ug/l	90
12) Acrylonitrile	3.321	53	39	0.023	ug/l	# 1
13) Acetone	2.653	43	641	0.266	ug/l	# 71
14) Carbon Disulfide	2.794	76	496	0.018	ug/l	# 75
15) Methylene Chloride	3.045	84	2763	0.286	ug/l	96
16) trans-1,2-Dichloroethene	3.360	96	63	0.007	ug/l	# 2
17) 1,1-Dichloroethane	3.855	63	43	0.003	ug/l	# 92
18) 2-Butanone	4.717	43	169	0.060	ug/l	96
19) Cyclohexane	5.350	56	72	0.005	ug/l	# 47
20) Methylcyclohexane	6.759	83	70	0.005	ug/l	# 19
21) 2,2-Dichloropropane	4.643	77	121	0.009	ug/l	# 9
22) cis-1,2-Dichloroethene	4.662	96	171	0.018	ug/l	43
23) Diethyl Ether	2.379	59	134	0.024	ug/l	# 72
24) tert-Butyl Alcohol	3.283	59	88	0.129	ug/l	# 76
25) Methyl tert-Butyl Ether	3.405	73	45	0.002	ug/l	# 1
26) Bromochloromethane	4.971	128	42	0.010	ug/l	# 1
27) Chloroform	5.032	83	63	0.004	ug/l	17
28) 1,1,1-Trichloroethane	5.315	97	37	0.002	ug/l	# 1
30) Carbon Tetrachloride	5.415	117	20	0.001	ug/l	# 12
31) Isopropyl Ether	4.016	45	245	0.011	ug/l	89
32) Ethyl-t-butyl ether	4.492	59	114	0.006	ug/l	# 31
33) Tert-Amyl methyl ether	6.106	73	495	0.028	ug/l	# 1
34) Propionitrile	4.810	54	20	0.031	ug/l	# 1
35) Benzene	5.771	78	62	0.002	ug/l	# 1
36) 1,2-Dichloroethane	5.733	62	39	0.004	ug/l	# 1
39) Methacrylonitrile	4.977	41	267	0.104	ug/l	# 29
40) Methyl acrylate	4.862	55	89	0.020	ug/l	# 1
41) Tetrahydrofuran	5.067	42	326	0.256	ug/l	# 30
42) 1-Chlorobutane	5.456	56	145	0.009	ug/l	# 1
44) Bromodichloromethane	7.096	83	142	0.011	ug/l	# 25
45) 4-Methyl-2-Pentanone	7.804	43	254	0.052	ug/l	# 24
46) t-1,4-Dichloro-2-butene	10.630	75	6250	2.425	ug/l	# 26
47) Methyl methacrylate	6.964	69	82	0.020	ug/l	# 12
48) Ethyl methacrylate	8.331	69	102	0.014	ug/l	97
52) 1,1,2-Trichloroethane	8.382	97	41	0.006	ug/l	# 36
54) 2-Hexanone	8.685	43	165	0.038	ug/l	# 11
59) Chlorobenzene	9.443	112	259	0.011	ug/l	# 43

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

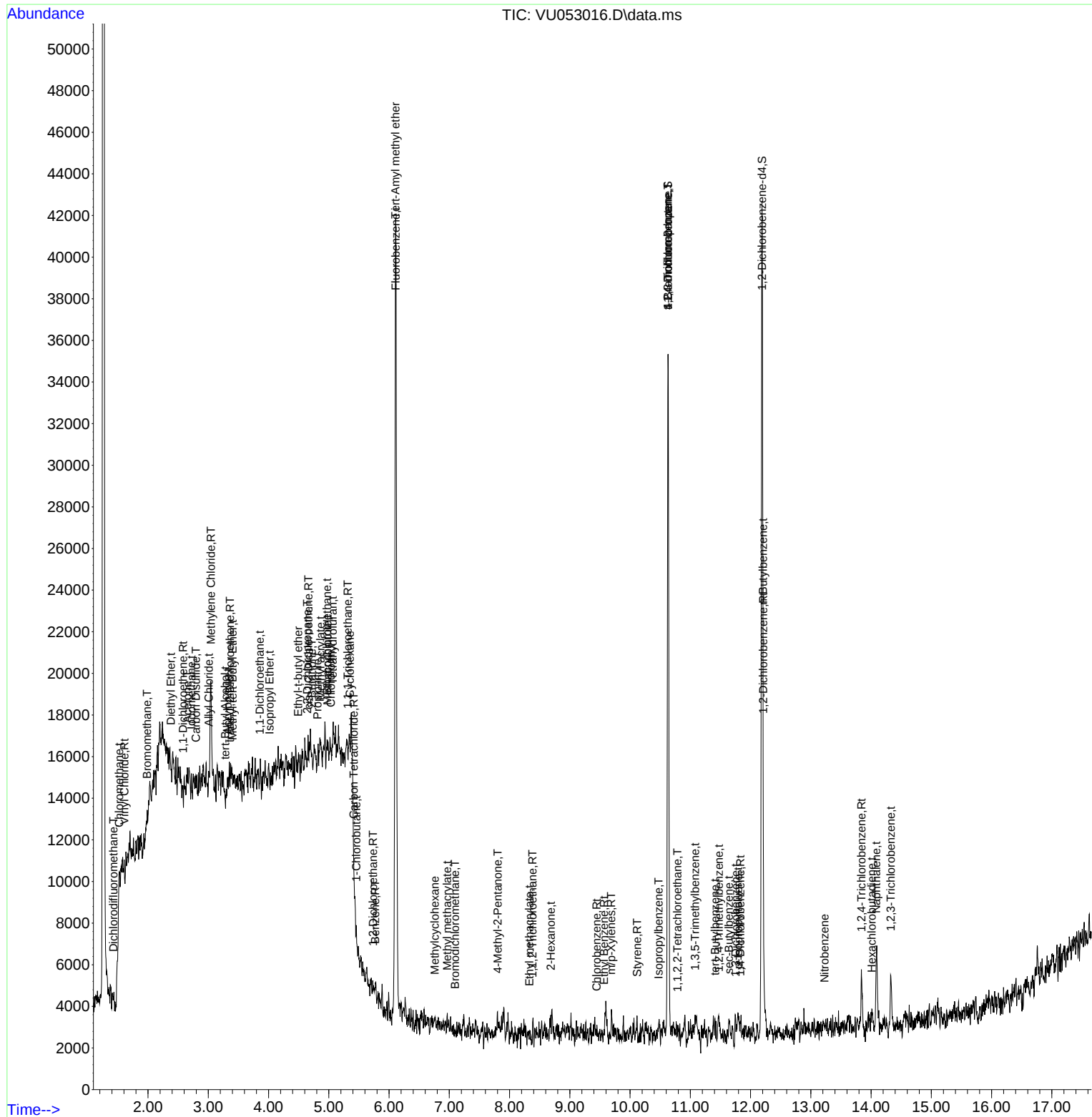
63) Ethyl Benzene	9.569	91	411	0.011	ug/l #	43
64) m/p-Xylenes	9.688	106	217	0.014	ug/l #	44
66) Styrene	10.119	104	229	0.428	ug/l #	39
69) Isopropylbenzene	10.475	105	265	0.007	ug/l #	48
70) 1,1,2,2-Tetrachloroethane	10.784	83	436	0.053	ug/l #	35
71) 1,2,3-Trichloropropane	10.630	75	6250	0.871	ug/l #	44
75) 1,3,5-Trimethylbenzene	11.080	105	401	0.430	ug/l #	27
77) tert-Butylbenzene	11.411	119	318	0.010	ug/l #	30
78) 1,2,4-Trimethylbenzene	11.475	105	675	0.471	ug/l	76
79) sec-Butylbenzene	11.639	105	725	0.443	ug/l #	69
80) Nitrobenzene	13.228	77	384	0.748	ug/l #	41
81) p-Isopropyltoluene	11.794	119	710	0.500	ug/l #	45
82) 1,3-Dichlorobenzene	11.752	146	273	0.014	ug/l #	62
83) 1,4-Dichlorobenzene	11.832	146	388	0.020	ug/l #	81
84) n-Butylbenzene	12.205	91	1681	0.594	ug/l #	92
85) 1,2-Dichlorobenzene	12.209	146	261	0.014	ug/l #	67
87) 1,2,4-Trichlorobenzene	13.842	180	775	0.069	ug/l #	79
88) Hexachlorobutadiene	14.009	225	19	0.002	ug/l #	1
89) Naphthalene	14.086	128	3822	0.176	ug/l #	94
90) 1,2,3-Trichlorobenzene	14.327	180	858	0.081	ug/l	86

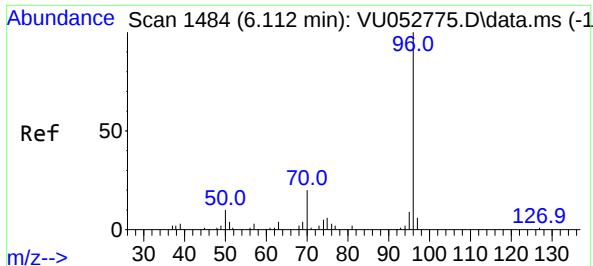
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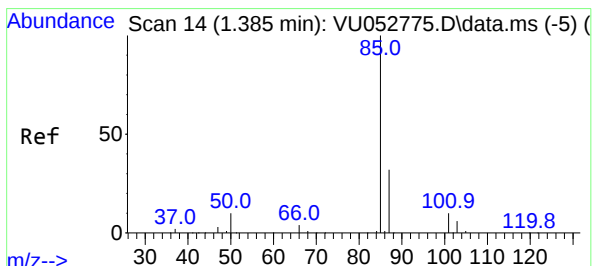
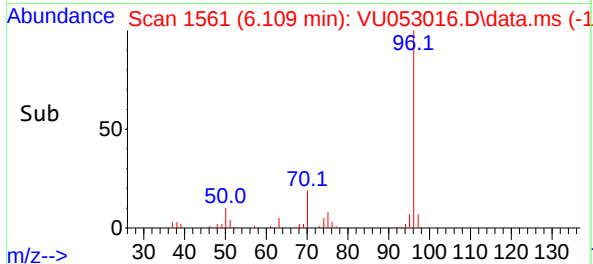
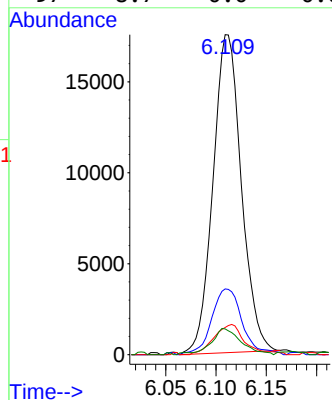
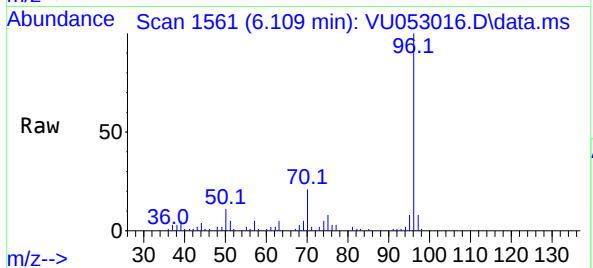


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.109 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Instrument :
MSVOA_U
ClientSampleId :
TB-02-020723

Tgt Ion: 96 Resp: 34312

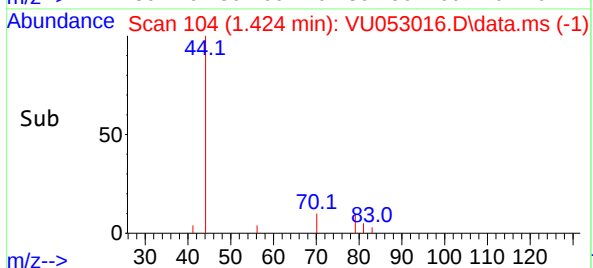
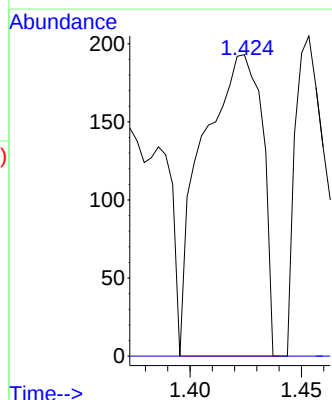
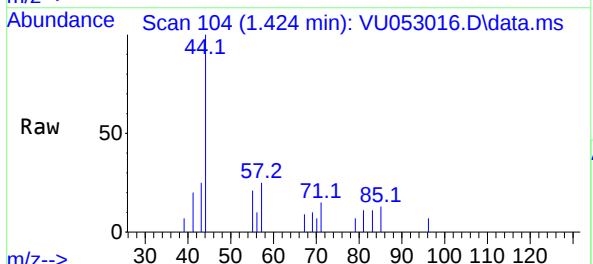
Ion	Ratio	Lower	Upper
96	100		
70	22.3	16.2	24.4
95	8.9	7.4	11.0
97	8.7	0.0	0.0

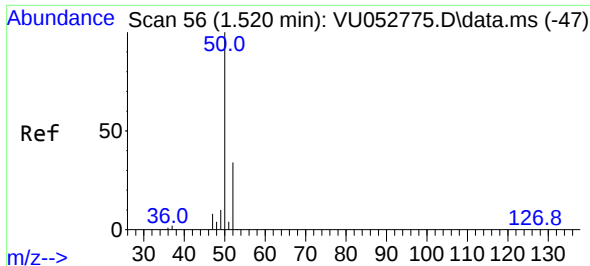


#2
Dichlorodifluoromethane
Concen: 0.031 ug/l
RT: 1.424 min Scan# 104
Delta R.T. 0.039 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion: 85 Resp: 360

Ion	Ratio	Lower	Upper
85	100		
87	0.0	16.1	48.2

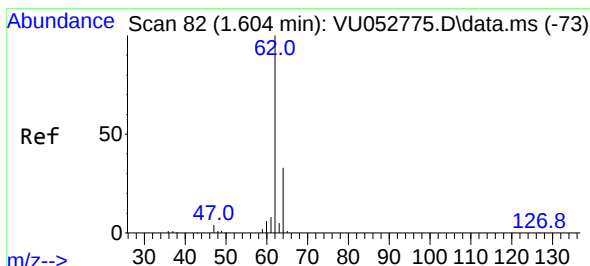
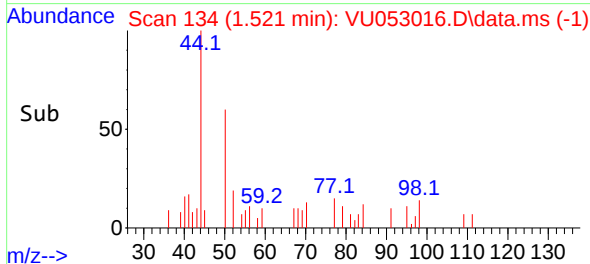
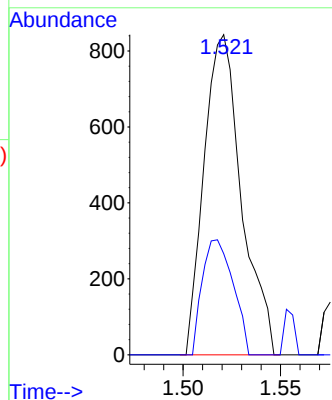
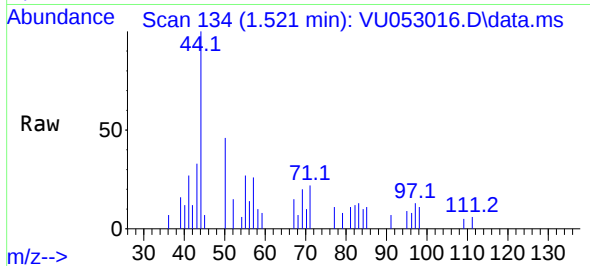




#3
Chloromethane
Concen: 0.102 ug/l
RT: 1.521 min Scan# 11
Delta R.T. 0.001 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

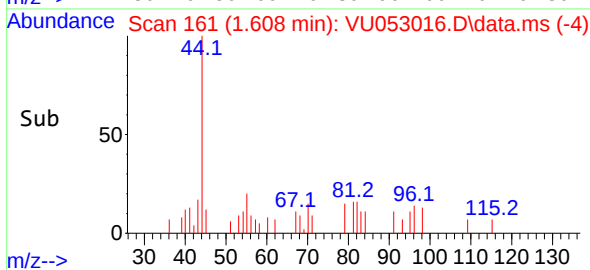
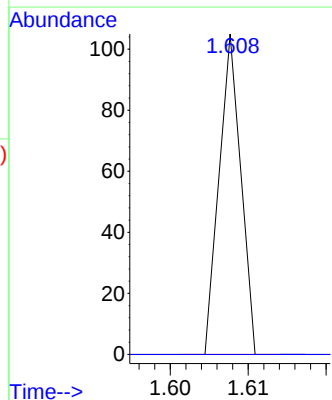
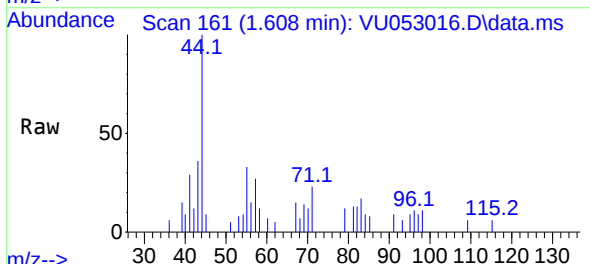
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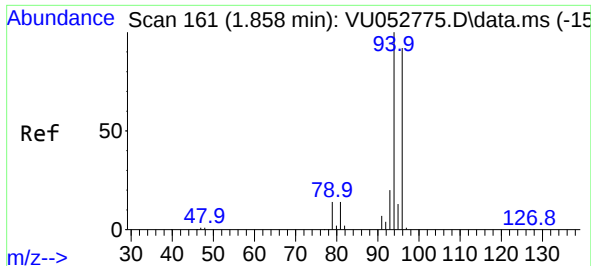
Tgt Ion: 50 Resp: 1125
Ion Ratio Lower Upper
50 100
52 31.6 26.8 40.2



#4
Vinyl Chloride
Concen: 0.002 ug/l
RT: 1.608 min Scan# 161
Delta R.T. 0.004 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion: 62 Resp: 20
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#

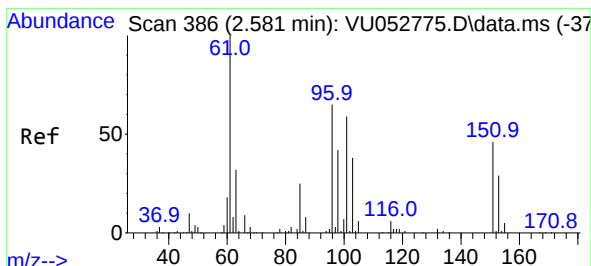
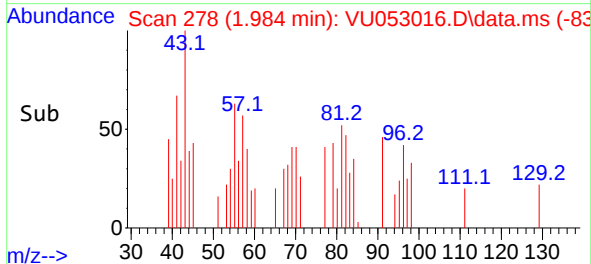
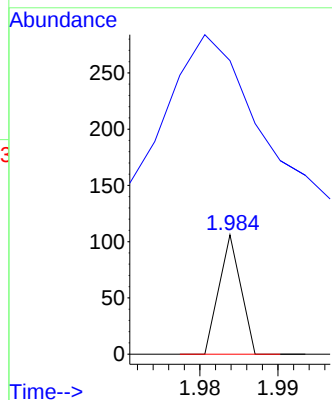
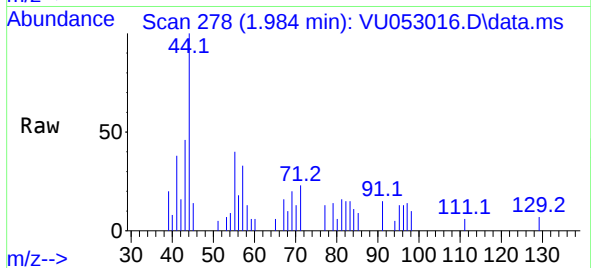




#5
Bromomethane
Concen: 0.004 ug/l
RT: 1.984 min Scan# 21
Delta R.T. 0.126 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

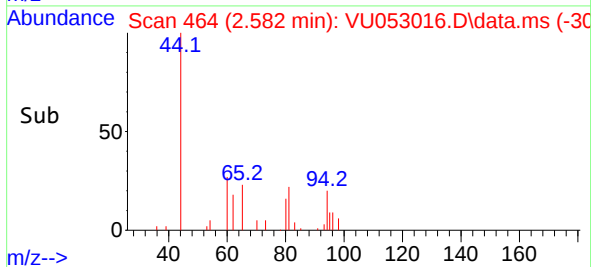
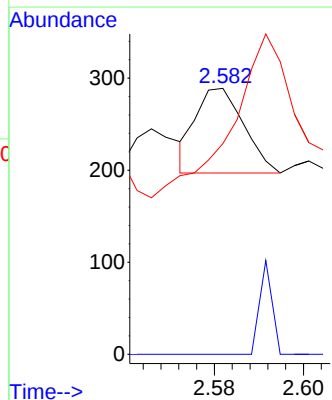
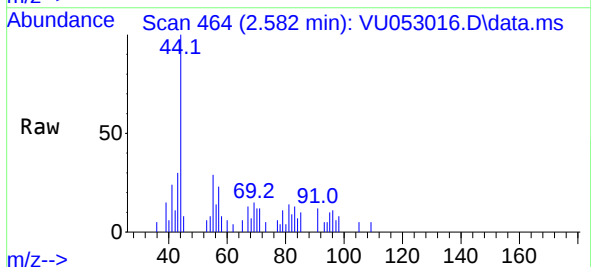
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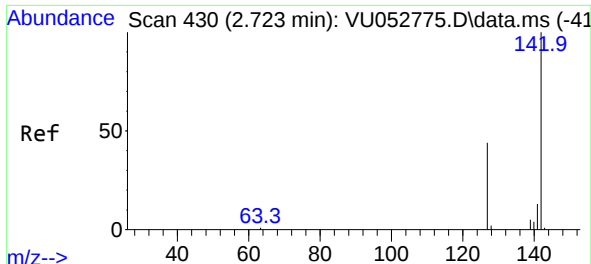
Tgt Ion: 94 Resp: 20
Ion Ratio Lower Upper
94 100
96 84.0 73.8 110.6



#9
1,1-Dichloroethene
Concen: 0.009 ug/l
RT: 2.582 min Scan# 464
Delta R.T. 0.001 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion: 96 Resp: 69
Ion Ratio Lower Upper
96 100
61 0.0 0.0 460.5
98 38.0 0.0 128.0

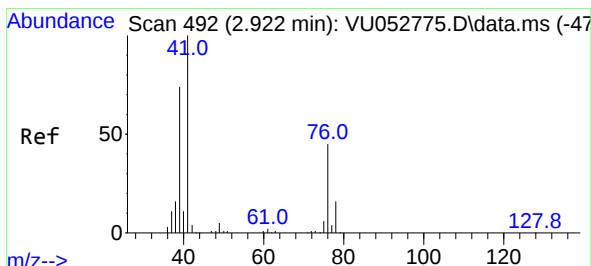
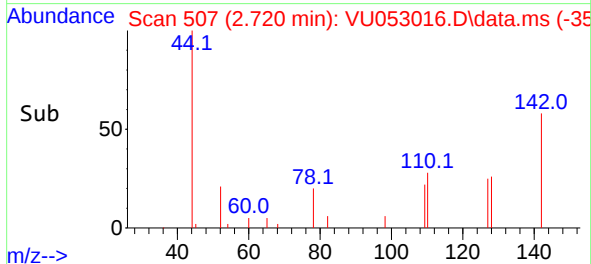
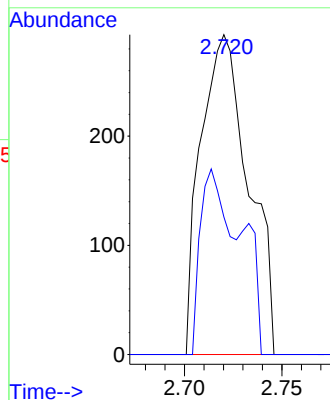
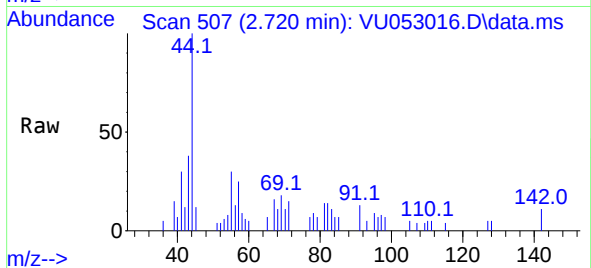




#10
Iodomethane
Concen: 0.056 ug/l
RT: 2.720 min Scan# 507
Delta R.T. -0.003 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

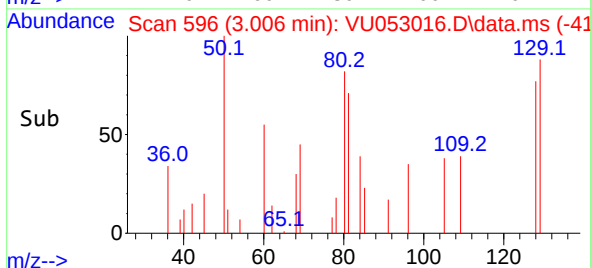
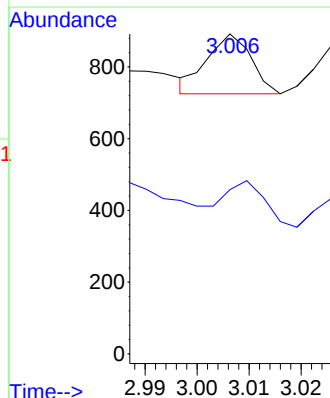
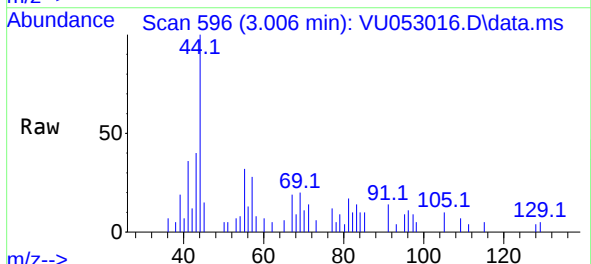
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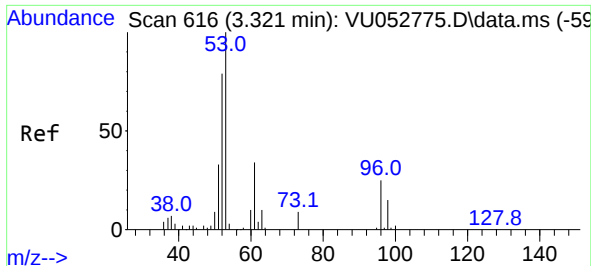
Tgt Ion:142 Resp: 499
Ion Ratio Lower Upper
142 100
127 35.5 35.4 53.0



#11
Allyl Chloride
Concen: 0.010 ug/l
RT: 3.006 min Scan# 596
Delta R.T. 0.084 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion: 41 Resp: 98
Ion Ratio Lower Upper
41 100
39 65.3 59.3 88.9

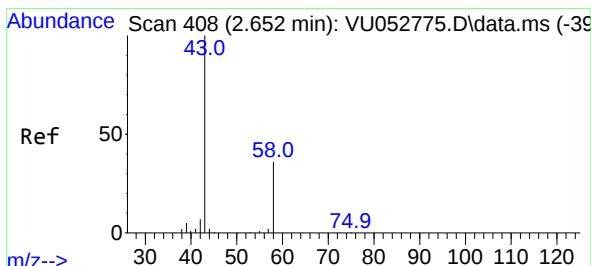
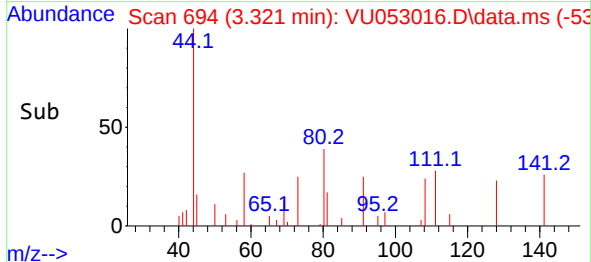
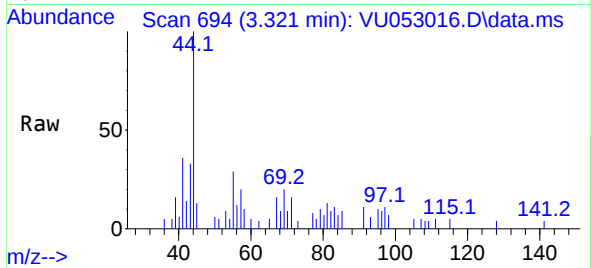




#12
Acrylonitrile
Concen: 0.023 ug/l
RT: 3.321 min Scan# 616
Delta R.T. 0.001 min
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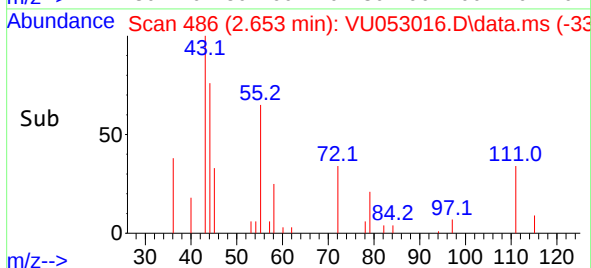
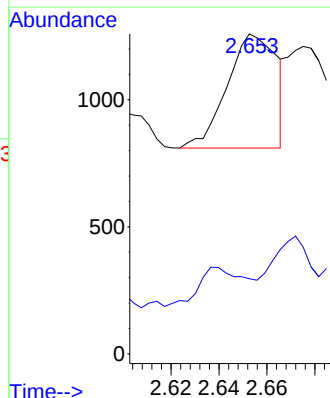
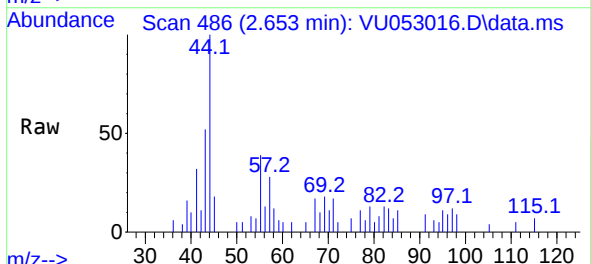
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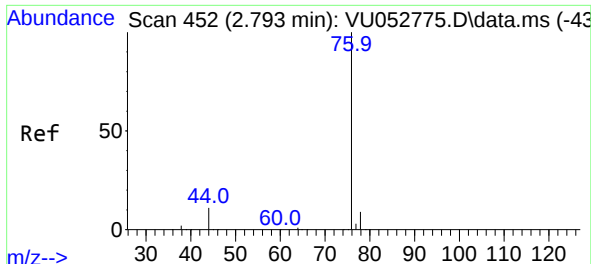
Tgt Ion: 53	Resp: 39
Ion Ratio	Lower Upper
53 100	
52 0.0	63.0 94.4#
51 246.2	31.3 46.9#



#13
Acetone
Concen: 0.266 ug/l
RT: 2.653 min Scan# 486
Delta R.T. 0.001 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion: 43	Resp:	641	
Ion	Ratio	Lower	Upper
43	100		
58	19.2	29.0	43.4#

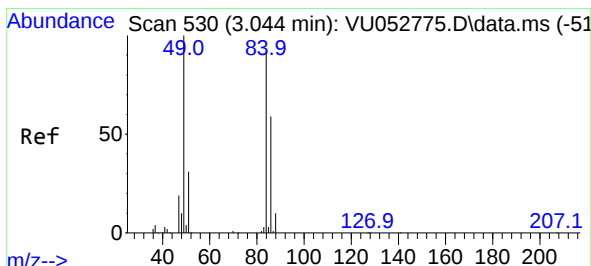
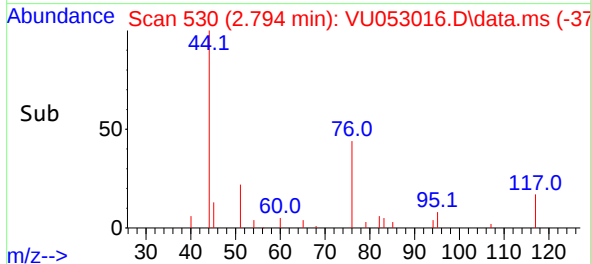
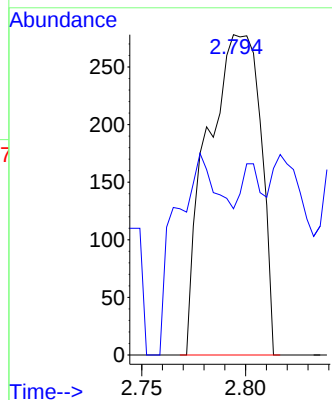
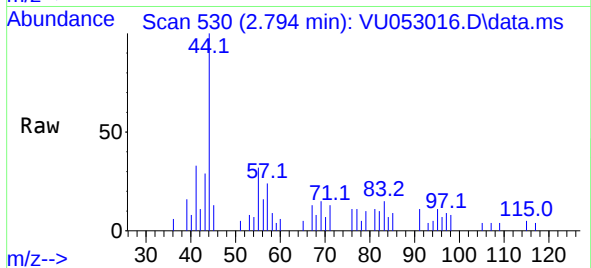




#14
Carbon Disulfide
Concen: 0.018 ug/l
RT: 2.794 min Scan# 51
Delta R.T. 0.001 min
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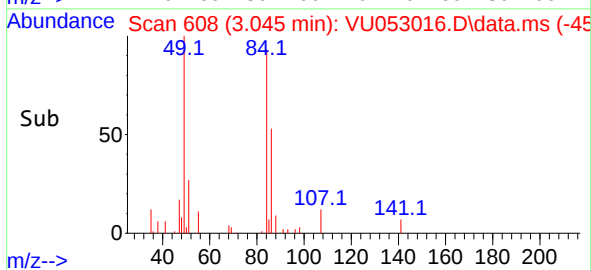
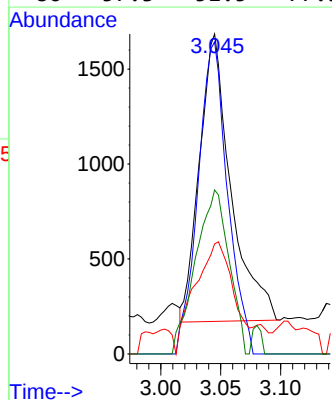
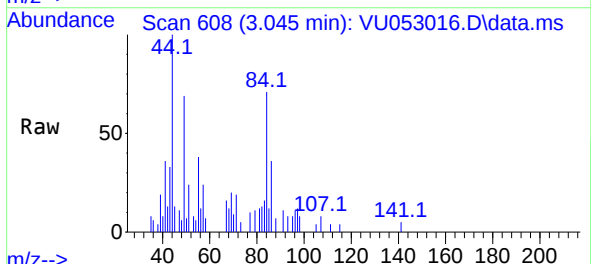
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ClientSampleId :
TB-02-020723

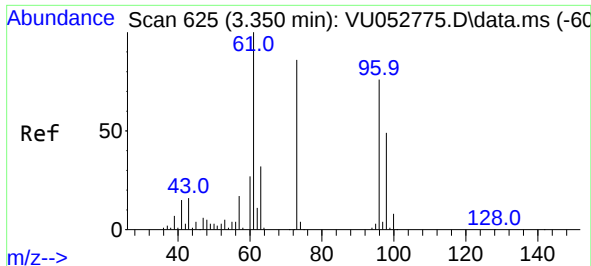
Tgt Ion: 76 Resp: 496
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#15
Methylene Chloride
Concen: 0.286 ug/l
RT: 3.045 min Scan# 608
Delta R.T. 0.001 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion: 84 Resp: 2763
Ion Ratio Lower Upper
84 100
49 109.0 86.7 130.1
51 29.3 0.0 66.8
86 57.3 51.5 77.3

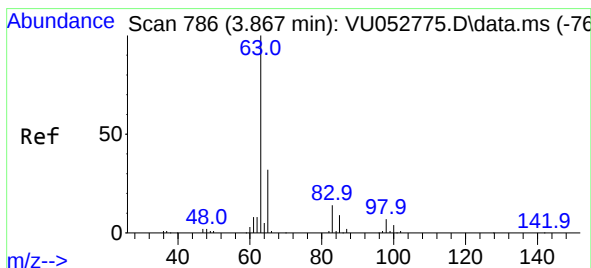
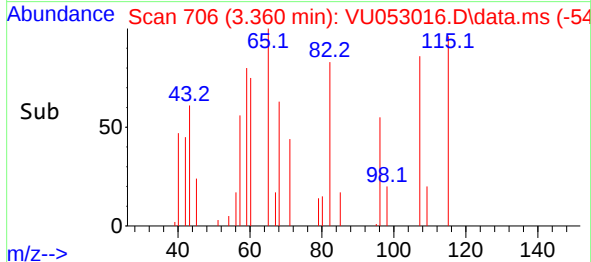
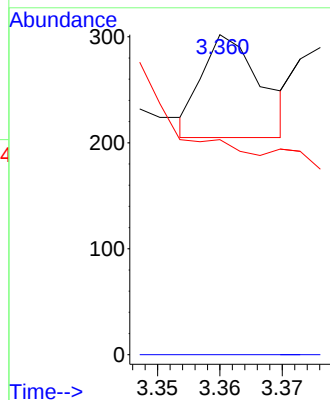
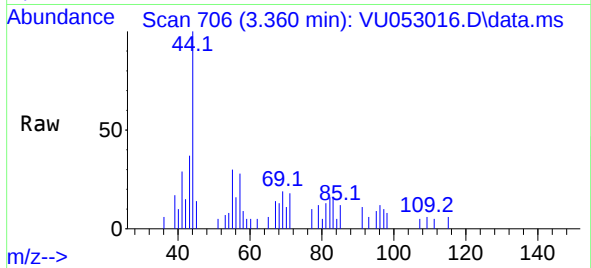




#16
trans-1,2-Dichloroethene
Concen: 0.007 ug/l
RT: 3.360 min Scan# 70
Delta R.T. 0.010 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

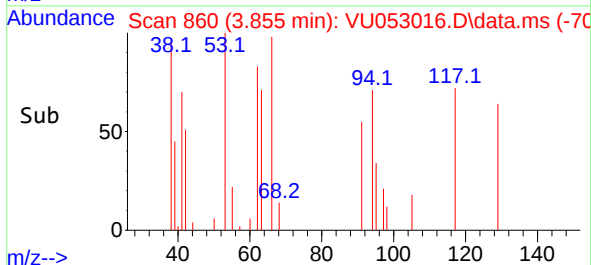
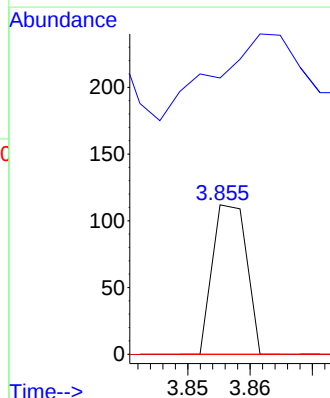
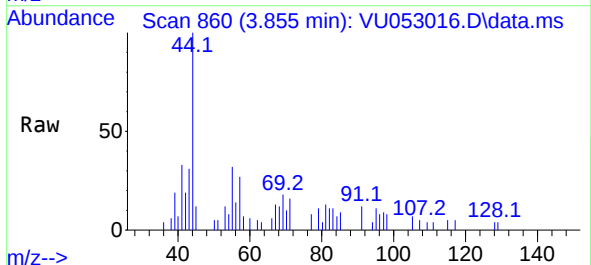
Instrument :
MSVOA_U
ClientSampleId :
TB-02-020723

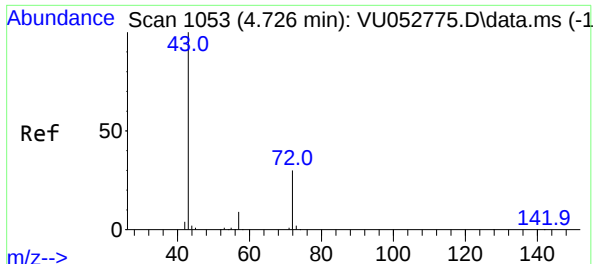
Tgt Ion: 96 Resp: 63
Ion Ratio Lower Upper
96 100
61 0.0 105.7 158.5#
98 11.5 51.4 77.2#



#17
1,1-Dichloroethane
Concen: 0.003 ug/l
RT: 3.855 min Scan# 860
Delta R.T. -0.012 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion: 63 Resp: 43
Ion Ratio Lower Upper
63 100
98 8.9 3.8 11.2
100 0.0 2.2 6.6#

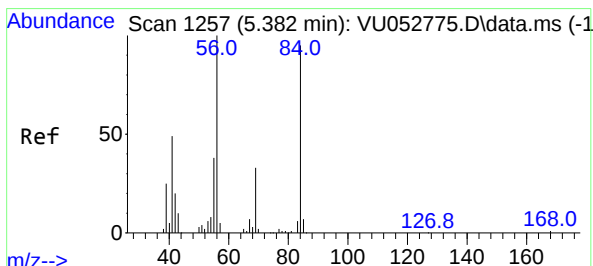
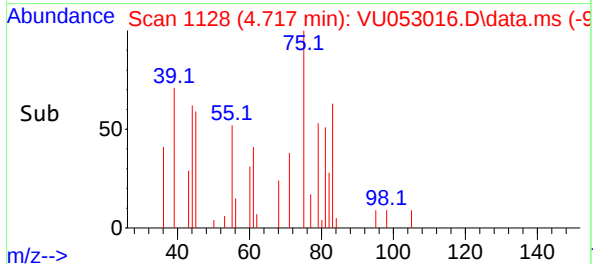
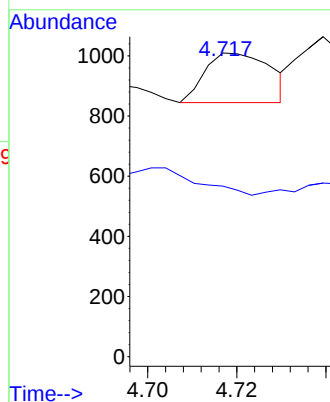
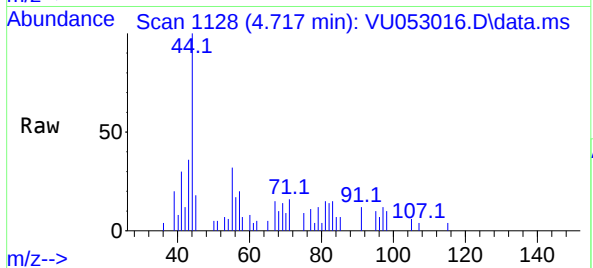




#18
2-Butanone
Concen: 0.060 ug/l
RT: 4.717 min Scan# 1128
Delta R.T. -0.009 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

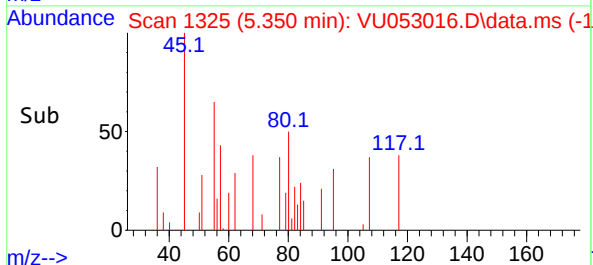
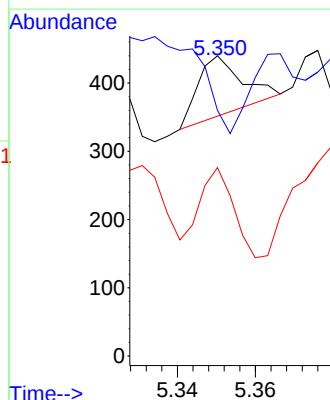
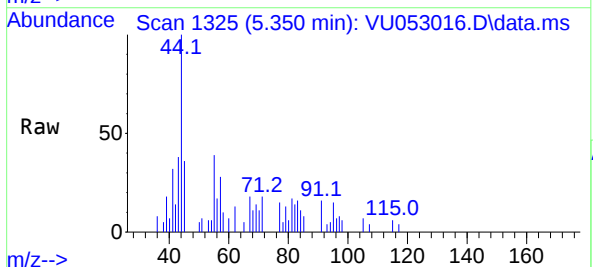
Instrument :
MSVOA_U
ClientSampleId :
TB-02-020723

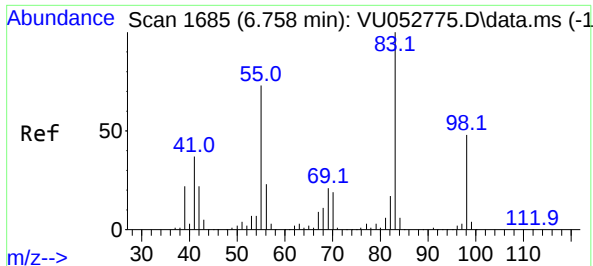
Tgt Ion: 43 Resp: 169
Ion Ratio Lower Upper
43 100
57 7.3 0.0 17.4



#19
Cyclohexane
Concen: 0.005 ug/l
RT: 5.350 min Scan# 1325
Delta R.T. -0.032 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
69 137.5 26.8 40.2#
84 88.9 77.0 115.6

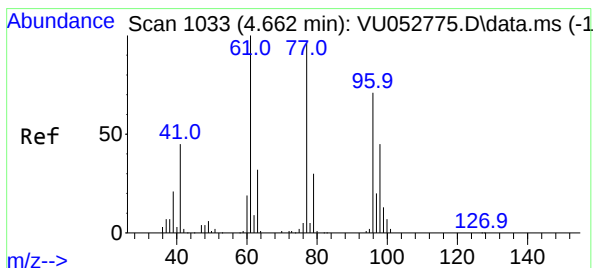
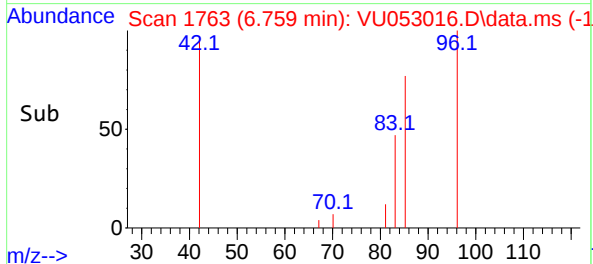
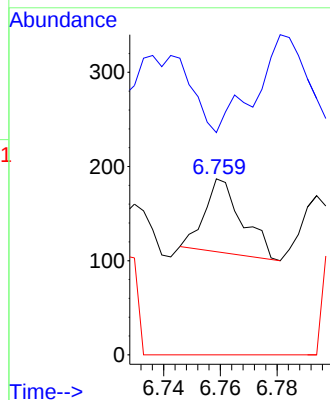
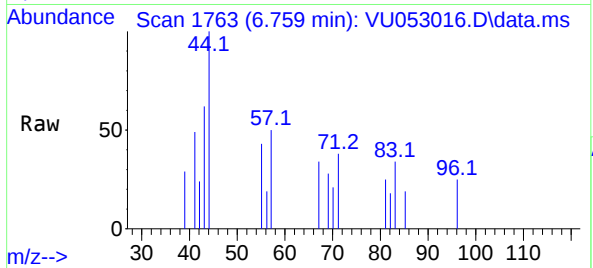




#20
Methylcyclohexane
Concen: 0.005 ug/l
RT: 6.759 min Scan# 1105
Delta R.T. 0.001 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

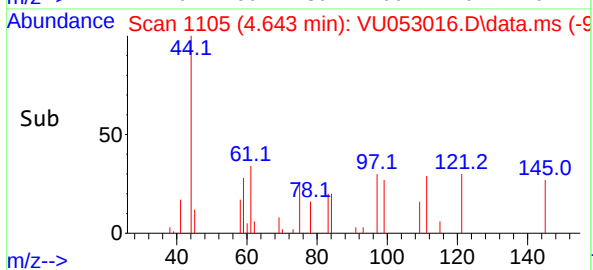
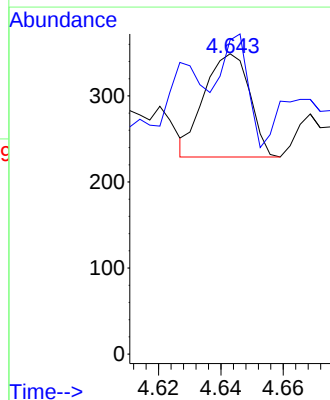
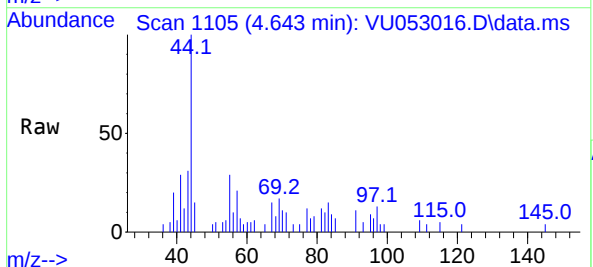
Instrument :
MSVOA_U
ClientSampleId :
TB-02-020723

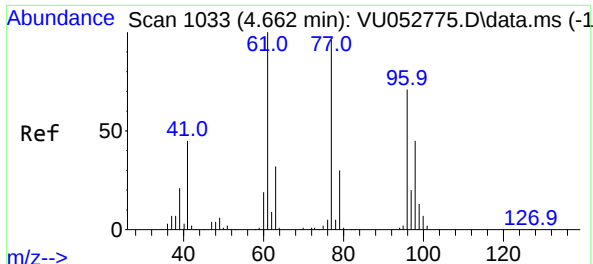
Tgt Ion: 83 Resp: 70
Ion Ratio Lower Upper
83 100
55 0.0 58.7 88.1#
98 0.0 39.4 59.2#



#21
2,2-Dichloropropane
Concen: 0.009 ug/l
RT: 4.643 min Scan# 1105
Delta R.T. -0.019 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion: 77 Resp: 121
Ion Ratio Lower Upper
77 100
97 63.6 16.8 25.2#

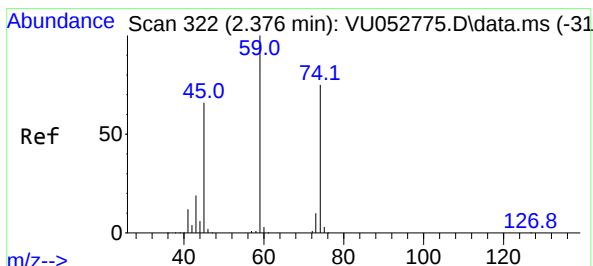
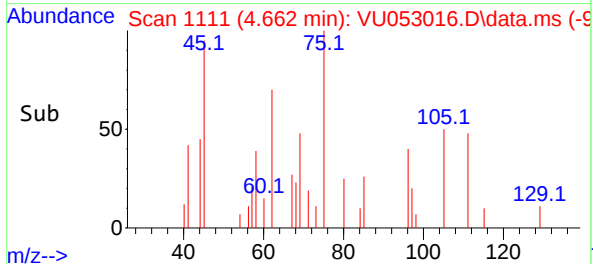
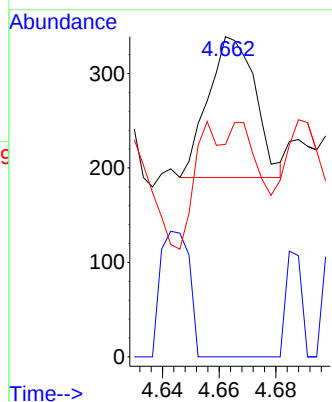
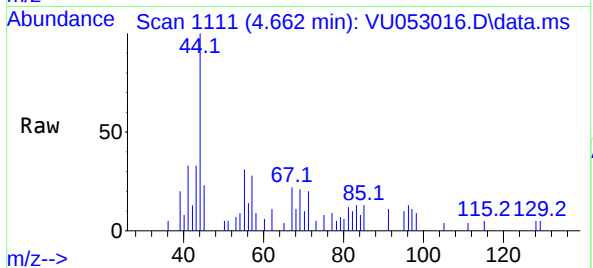




#22
cis-1,2-Dichloroethene
Concen: 0.018 ug/l
RT: 4.662 min Scan# 1111
Delta R.T. 0.001 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

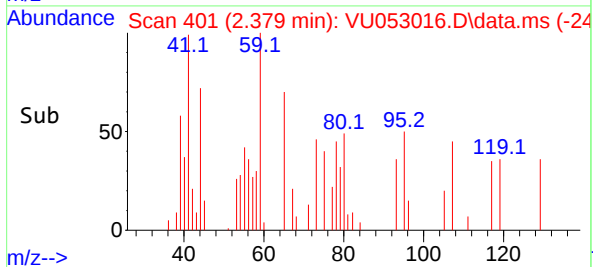
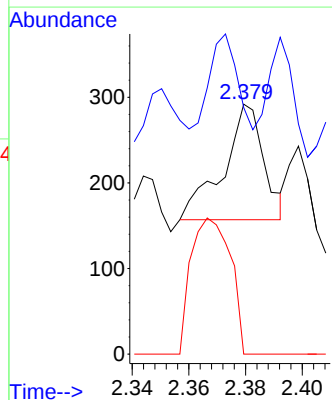
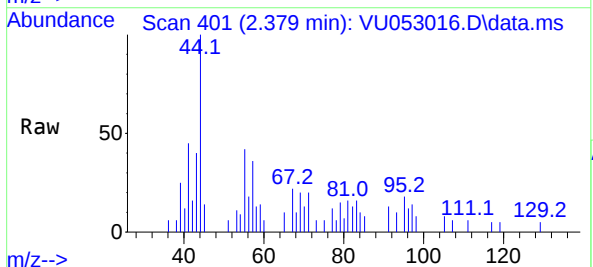
Instrument :
MSVOA_U
ClientSampleId :
TB-02-020723

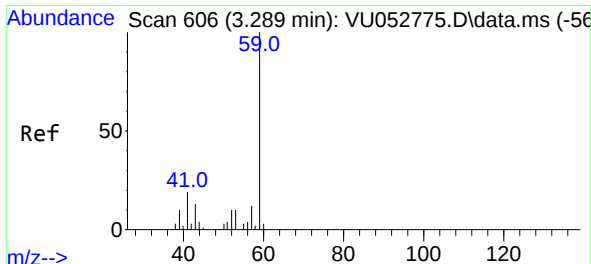
Tgt Ion: 96 Resp: 171
Ion Ratio Lower Upper
96 100
61 55.0 0.0 353.3
98 44.4 32.6 97.7



#23
Diethyl Ether
Concen: 0.024 ug/l
RT: 2.379 min Scan# 401
Delta R.T. 0.004 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion: 59 Resp: 134
Ion Ratio Lower Upper
59 100
45 57.5 52.1 78.1
74 114.2 61.6 92.4#

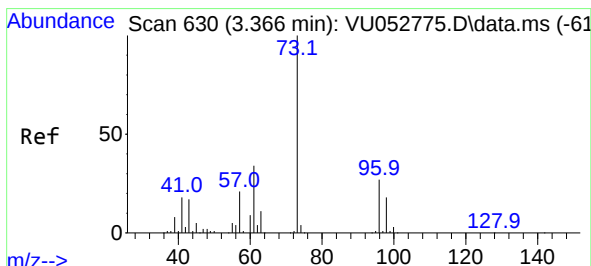
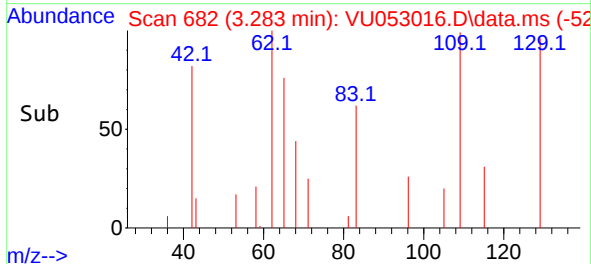
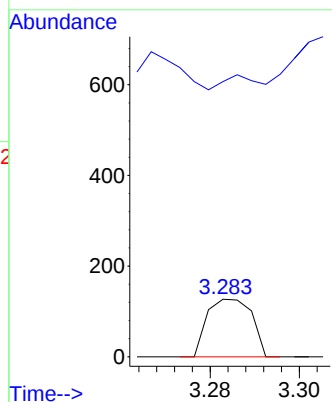
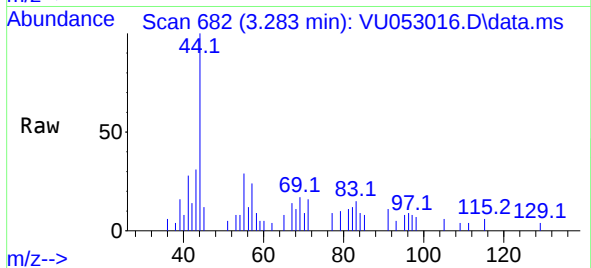




#24
tert-Butyl Alcohol
Concen: 0.129 ug/l
RT: 3.283 min Scan# 61
Delta R.T. -0.006 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

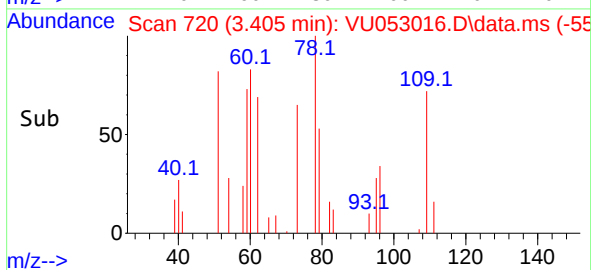
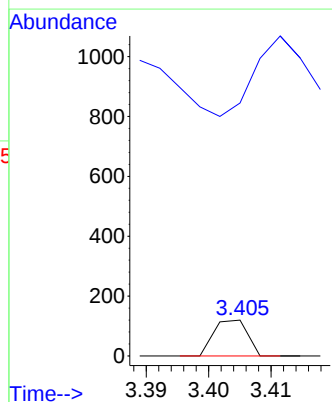
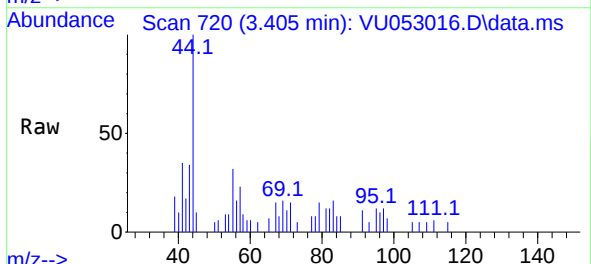
Instrument :
MSVOA_U
ClientSampleId :
TB-02-020723

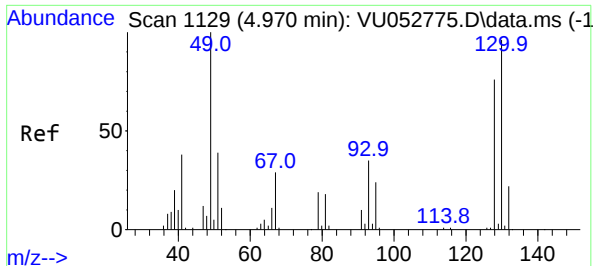
Tgt Ion: 59 Resp: 88
Ion Ratio Lower Upper
59 100
57 75.0 45.8 68.8#



#25
Methyl tert-Butyl Ether
Concen: 0.002 ug/l
RT: 3.405 min Scan# 720
Delta R.T. 0.039 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion: 73 Resp: 45
Ion Ratio Lower Upper
73 100
43 400.0 15.3 22.9#

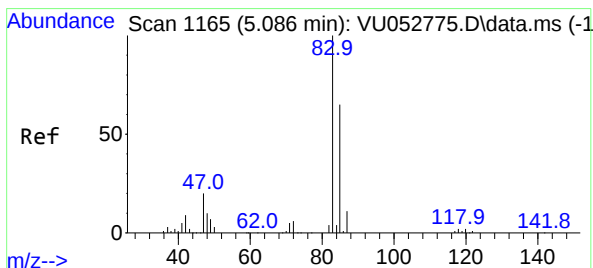
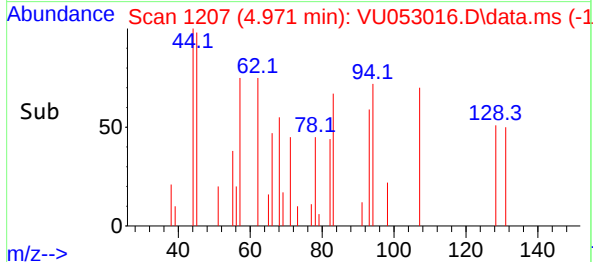
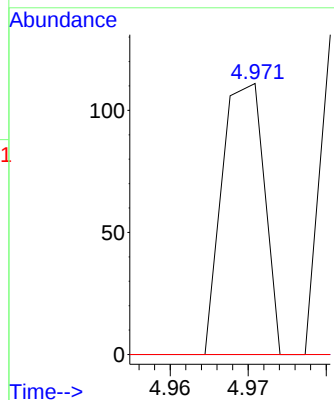
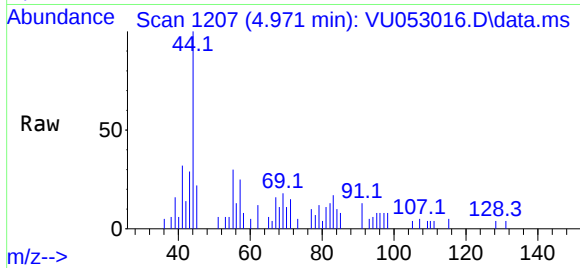




#26
Bromochloromethane
Concen: 0.010 ug/l
RT: 4.971 min Scan# 1129
Delta R.T. 0.001 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

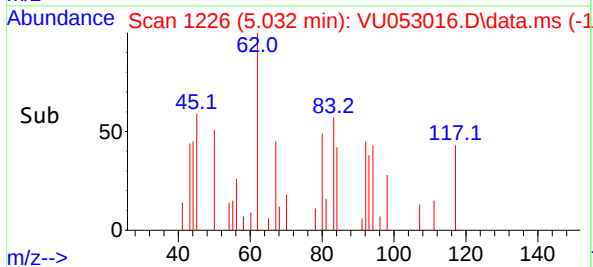
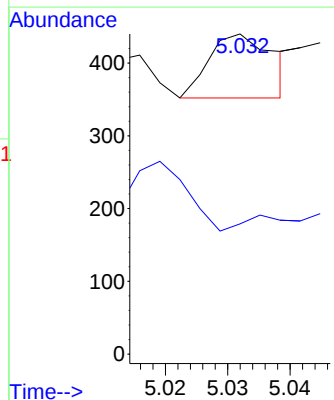
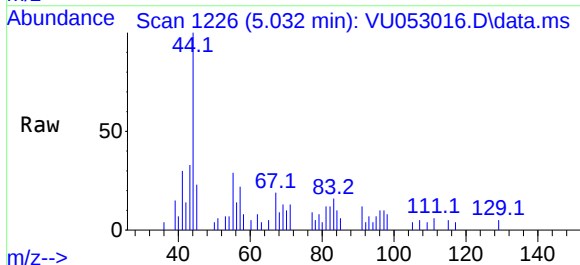
Instrument :
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ClientSampleId :
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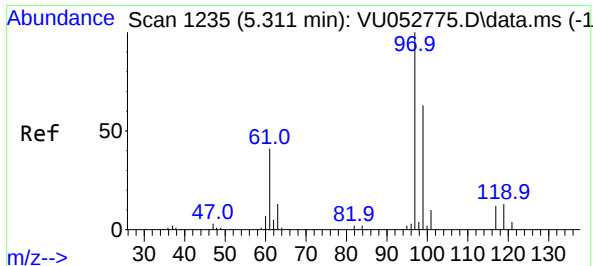
Tgt Ion:128 Resp: 42
Ion Ratio Lower Upper
128 100
49 0.0 0.0 265.0
130 0.0 100.7 151.1#



#27
Chloroform
Concen: 0.004 ug/l
RT: 5.032 min Scan# 1226
Delta R.T. -0.054 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion: 83 Resp: 63
Ion Ratio Lower Upper
83 100
85 0.0 0.0 130.6

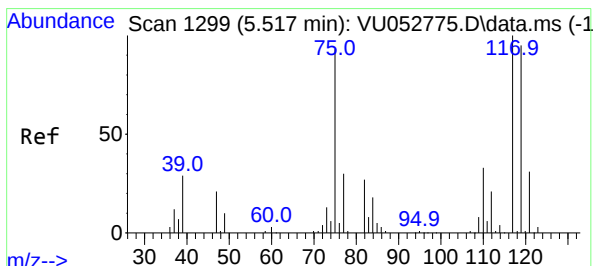
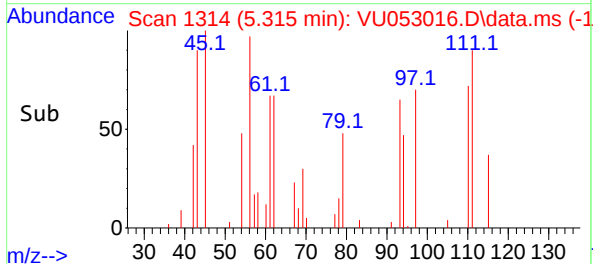
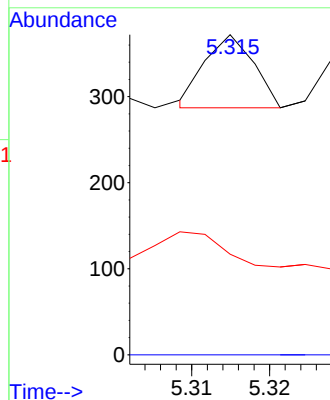
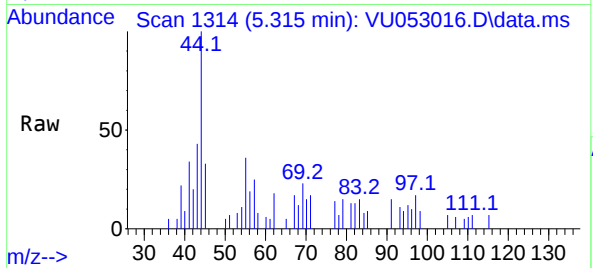




#28
1,1,1-Trichloroethane
Concen: 0.002 ug/l
RT: 5.315 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

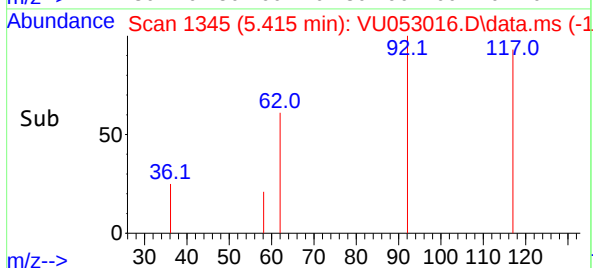
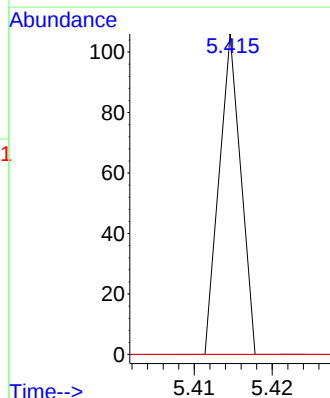
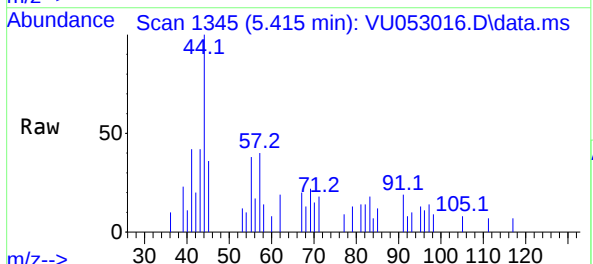
Instrument :
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ClientSampleId :
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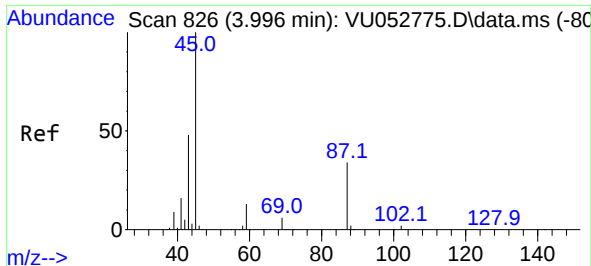
Tgt Ion: 97 Resp: 37
Ion Ratio Lower Upper
97 100
99 0.0 31.9 95.5#
61 489.2 20.8 62.2#



#30
Carbon Tetrachloride
Concen: 0.001 ug/l
RT: 5.415 min Scan# 1345
Delta R.T. -0.102 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion: 117 Resp: 20
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.0 37.6#

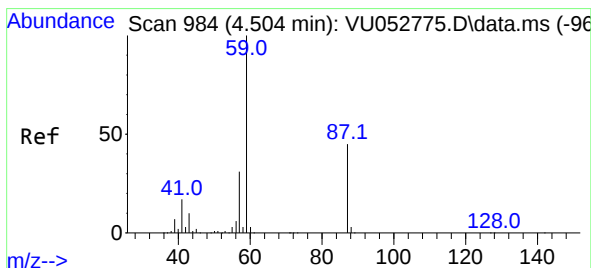
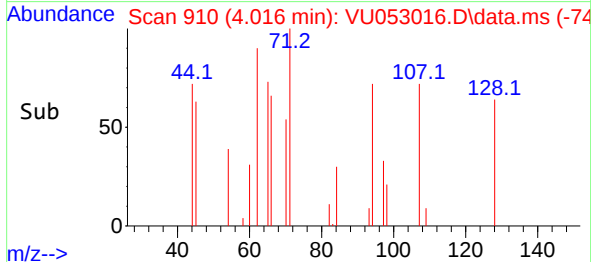
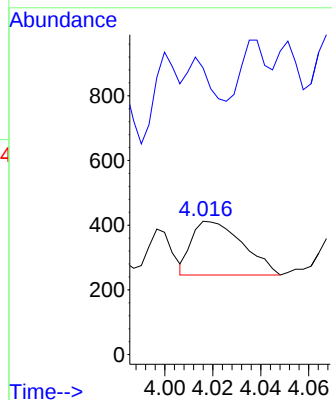
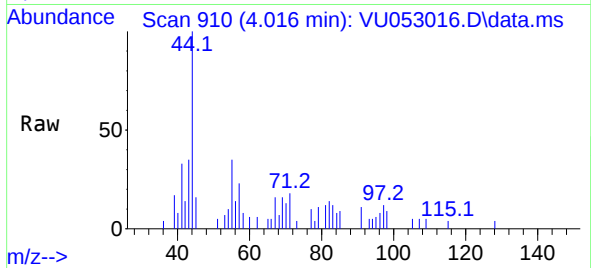




#31
Isopropyl Ether
Concen: 0.011 ug/l
RT: 4.016 min Scan# 91
Delta R.T. 0.020 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

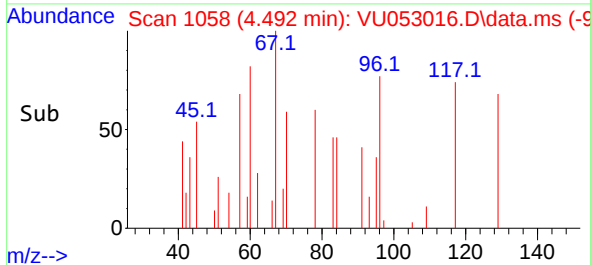
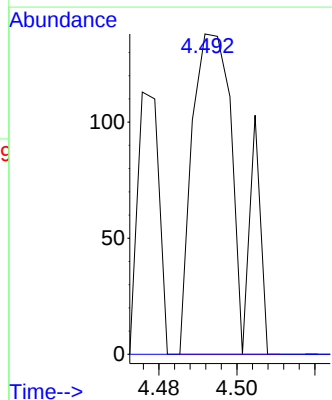
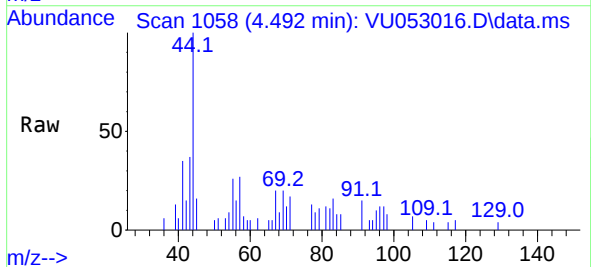
Instrument :
MSVOA_U
ClientSampleId :
TB-02-020723

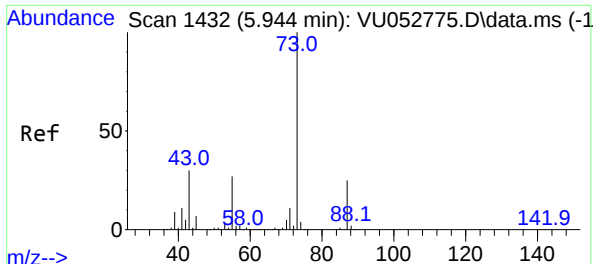
Tgt Ion: 45 Resp: 245
Ion Ratio Lower Upper
45 100
43 56.3 24.5 73.5



#32
Ethyl-t-butyl ether
Concen: 0.006 ug/l
RT: 4.492 min Scan# 1058
Delta R.T. -0.012 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion: 59 Resp: 114
Ion Ratio Lower Upper
59 100
87 0.0 36.2 54.2#

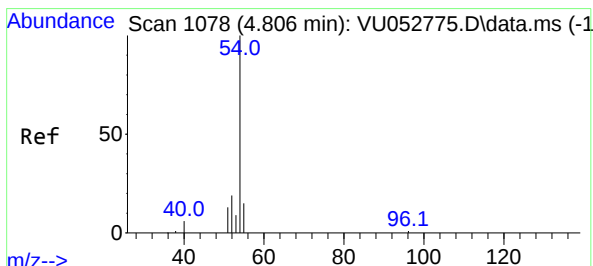
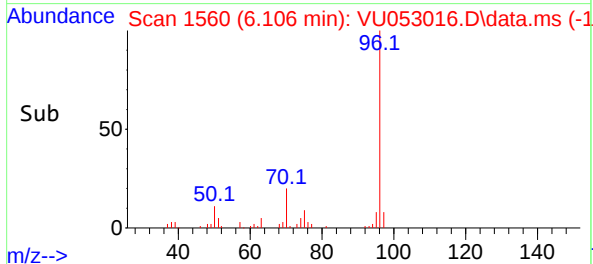
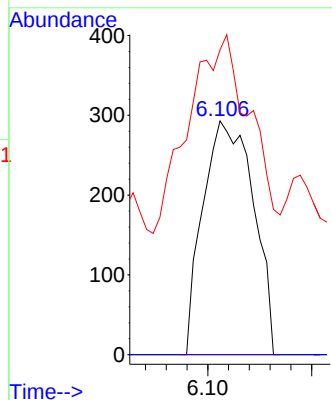
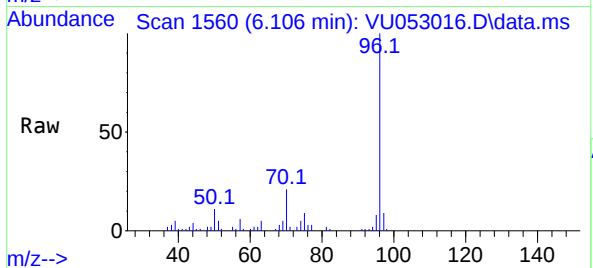




#33
Tert-Amyl methyl ether
Concen: 0.028 ug/l
RT: 6.106 min Scan# 1157
Delta R.T. 0.161 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

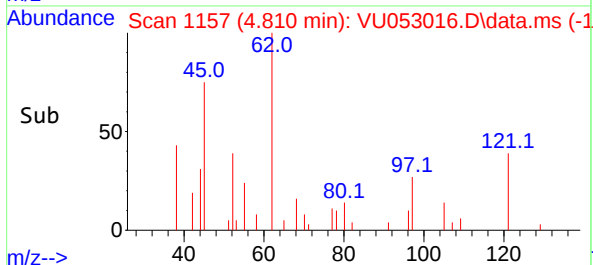
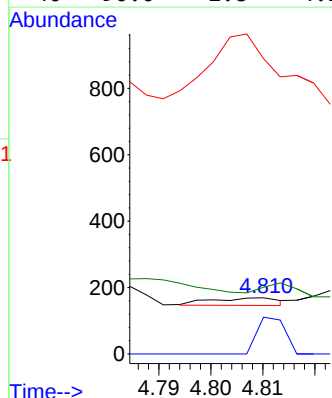
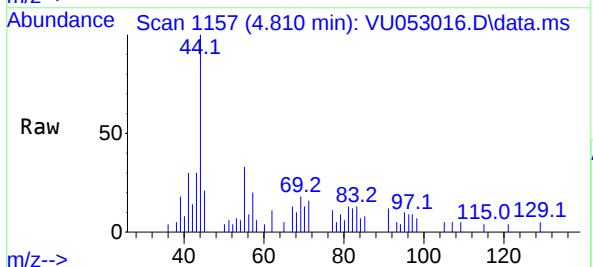
Instrument :
MSVOA_U
ClientSampleId :
TB-02-020723

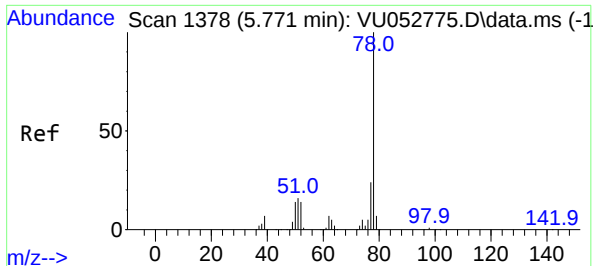
Tgt Ion: 73	Resp:	495
Ion	Ratio	Lower Upper
73	100	
87	0.0	20.1 30.1#
71	93.1	9.2 13.8#



#34
Propionitrile
Concen: 0.031 ug/l
RT: 4.810 min Scan# 1157
Delta R.T. 0.004 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion: 54	Resp:	20
Ion	Ratio	Lower Upper
54	100	
52	205.0	16.9 25.3#
55	1115.0	118.6 178.0#
40	90.0	2.8 4.2#

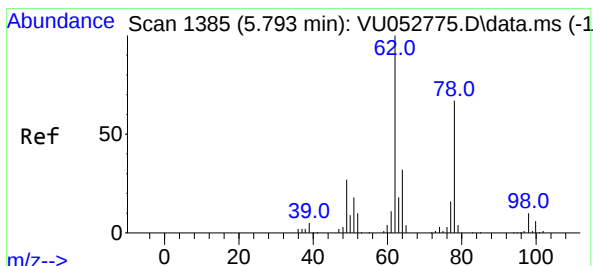
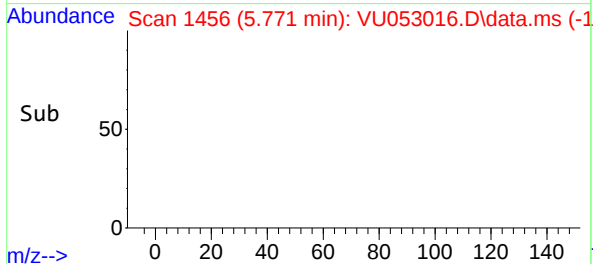
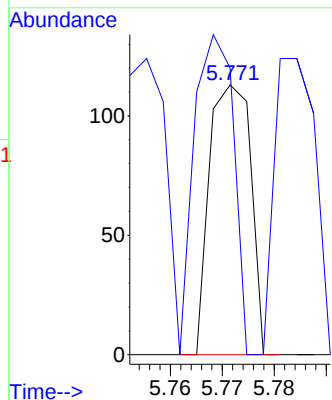
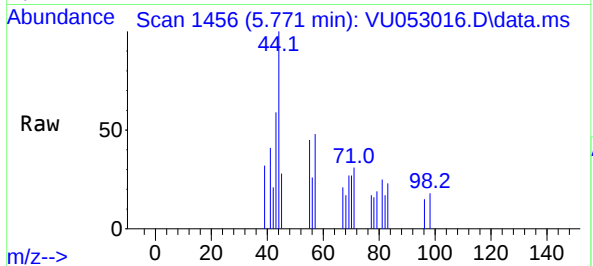




#35
Benzene
Concen: 0.002 ug/l
RT: 5.771 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

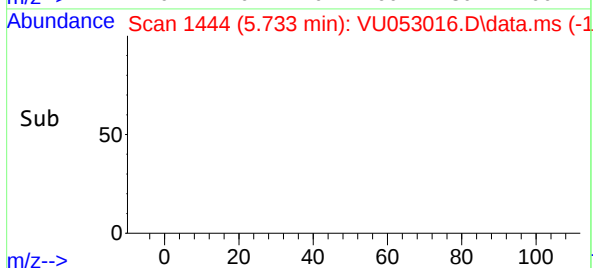
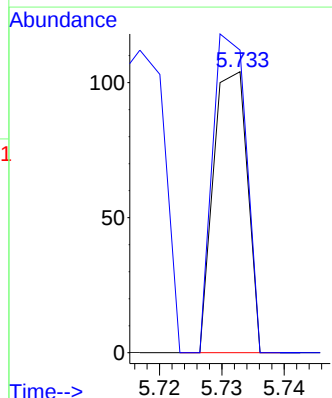
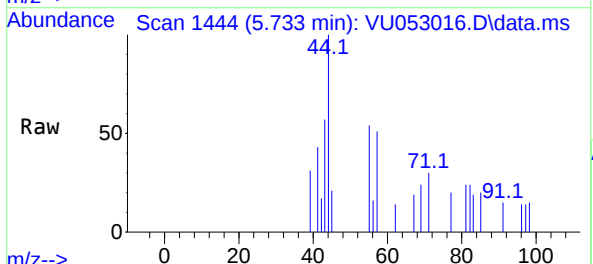
Instrument :
MSVOA_U
ClientSampleId :
TB-02-020723

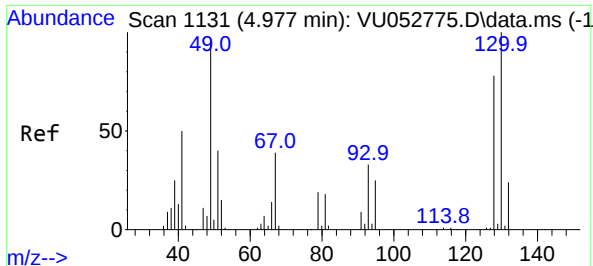
Tgt Ion: 78 Resp: 62
Ion Ratio Lower Upper
78 100
77 106.2 19.0 28.4#



#36
1,2-Dichloroethane
Concen: 0.004 ug/l
RT: 5.733 min Scan# 1444
Delta R.T. -0.060 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion: 62 Resp: 39
Ion Ratio Lower Upper
62 100
98 112.8 7.5 11.3#





#39

Methacrylonitrile

Concen: 0.104 ug/l

RT: 4.977 min Scan# 1173

Delta R.T. 0.001 min

Lab File: VU053016.D

Acq: 09 Feb 2023 13:57

Instrument :

MSVOA_U

ClientSampleId :

TB-02-020723

Tgt Ion: 41 Resp: 267

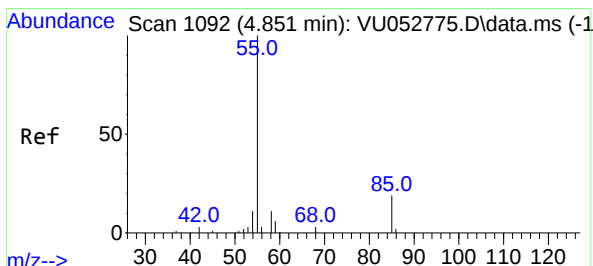
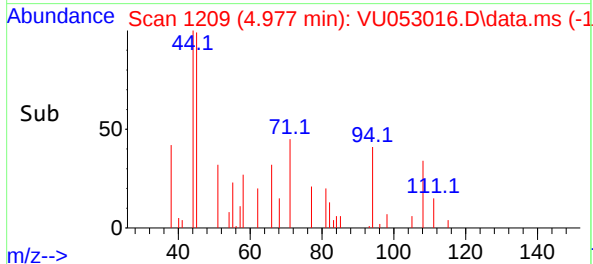
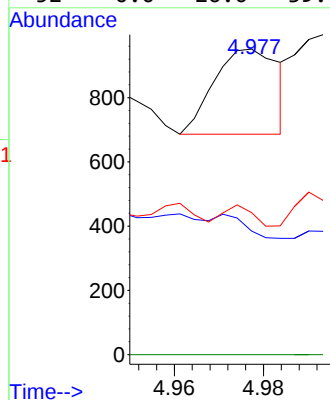
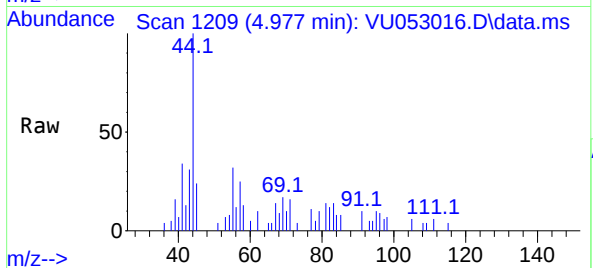
Ion Ratio Lower Upper

41 100

67 0.0 64.9 97.3#

39 19.5 41.7 62.5#

52 0.0 26.0 39.0#



#40

Methyl acrylate

Concen: 0.020 ug/l

RT: 4.862 min Scan# 1173

Delta R.T. 0.010 min

Lab File: VU053016.D

Acq: 09 Feb 2023 13:57

Tgt Ion: 55 Resp: 89

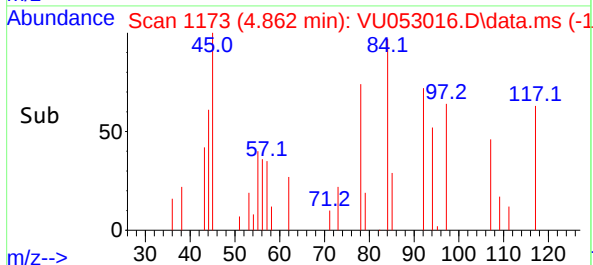
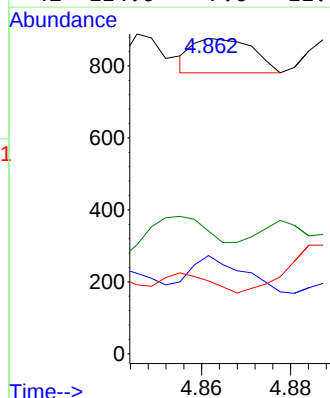
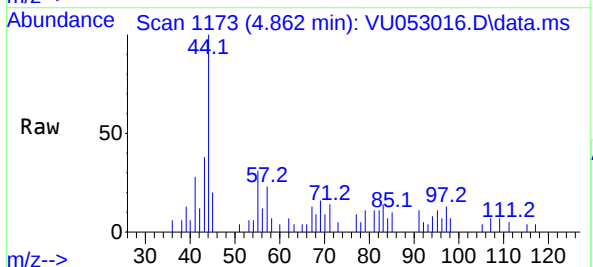
Ion Ratio Lower Upper

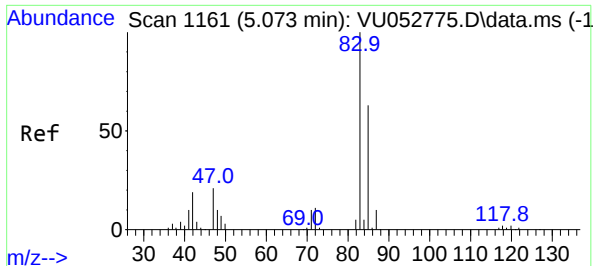
55 100

85 97.8 14.4 21.6#

58 85.4 7.3 10.9#

42 114.6 7.6 11.4#





#41

Tetrahydrofuran

Concen: 0.256 ug/l

RT: 5.067 min Scan# 11

Delta R.T. -0.006 min

Lab File: VU053016.D

Acq: 09 Feb 2023 13:57

Instrument :

MSVOA_U

ClientSampleId :

TB-02-020723

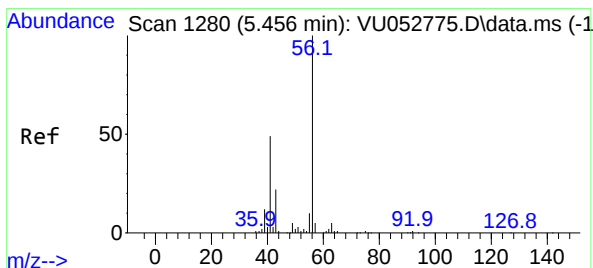
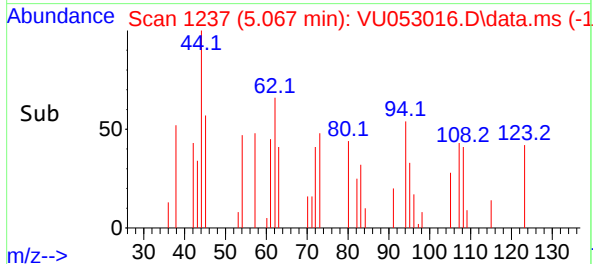
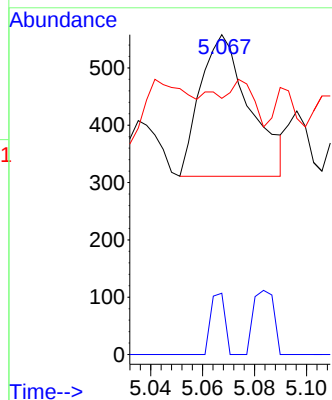
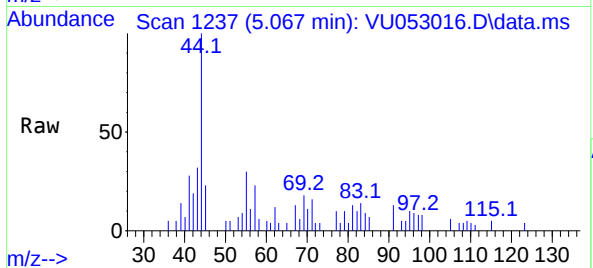
Tgt Ion: 42 Resp: 326

Ion Ratio Lower Upper

42 100

72 12.3 49.1 73.7#

71 0.0 43.8 65.6#



#42

1-Chlorobutane

Concen: 0.009 ug/l

RT: 5.456 min Scan# 1358

Delta R.T. 0.001 min

Lab File: VU053016.D

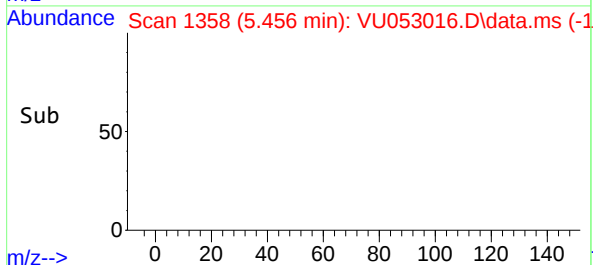
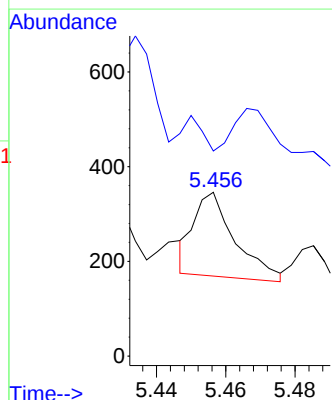
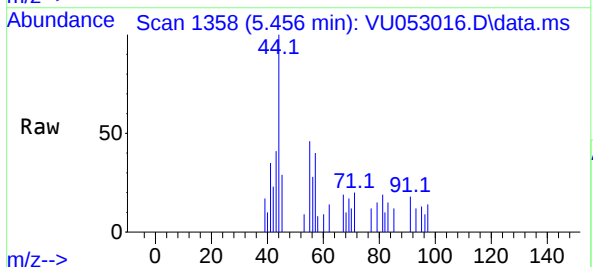
Acq: 09 Feb 2023 13:57

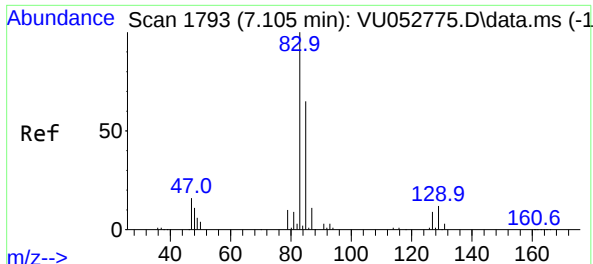
Tgt Ion: 56 Resp: 145

Ion Ratio Lower Upper

56 100

41 185.5 24.5 73.5#

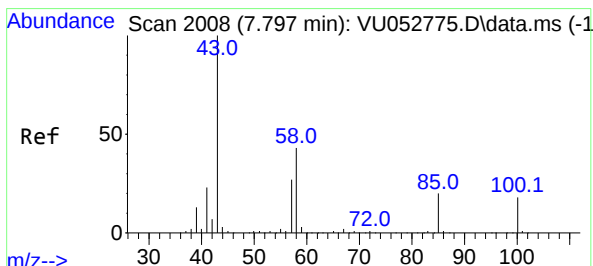
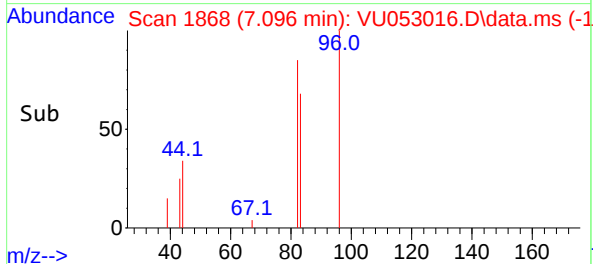
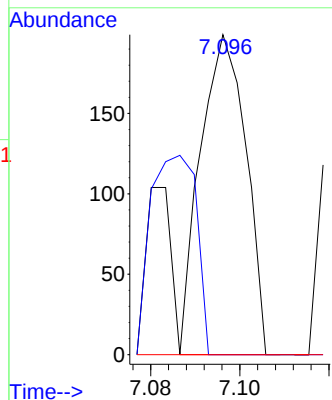
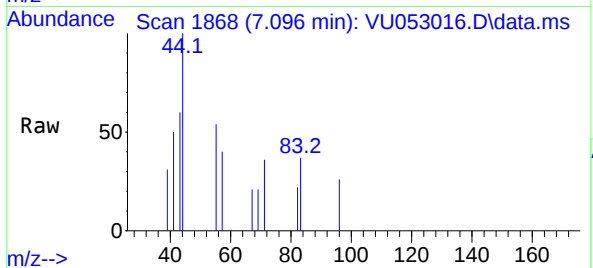




#44
Bromodichloromethane
Concen: 0.011 ug/l
RT: 7.096 min Scan# 11
Delta R.T. -0.009 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

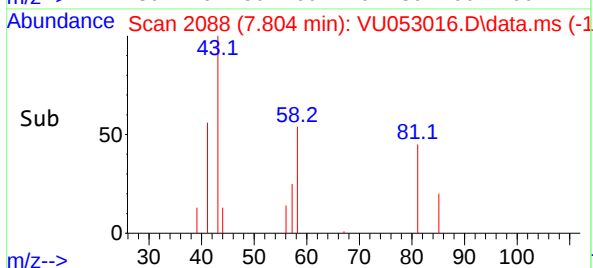
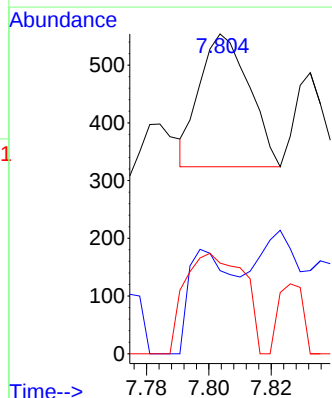
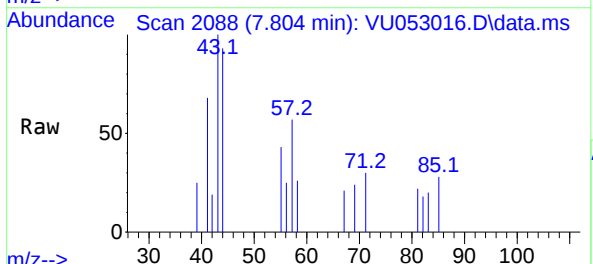
Instrument :
MSVOA_U
ClientSampleId :
TB-02-020723

Tgt Ion: 83 Resp: 142
Ion Ratio Lower Upper
83 100
85 0.0 52.1 78.1#
127 0.0 7.2 10.8#

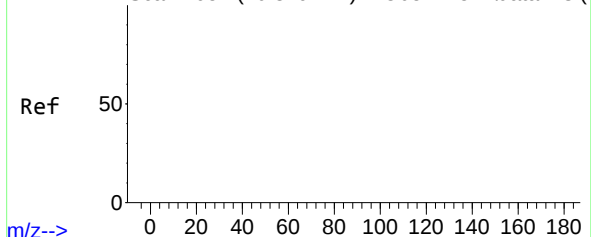


#45
4-Methyl-2-Pentanone
Concen: 0.052 ug/l
RT: 7.804 min Scan# 2088
Delta R.T. 0.007 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion: 43 Resp: 254
Ion Ratio Lower Upper
43 100
58 70.1 21.7 65.1#
85 89.8 16.2 24.4#

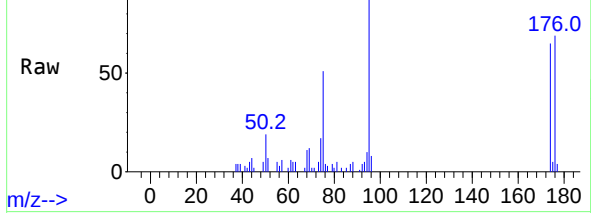


Abundance Scan 2951 (10.829 min): VU052775.D\data.ms (-1)



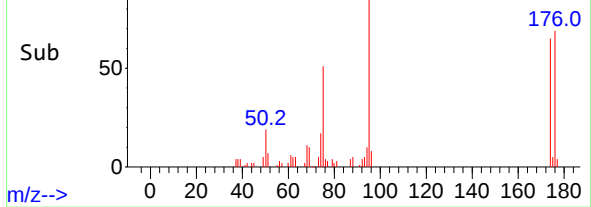
m/z-->

Abundance Scan 2967 (10.630 min): VU053016.D\data.ms (-1)



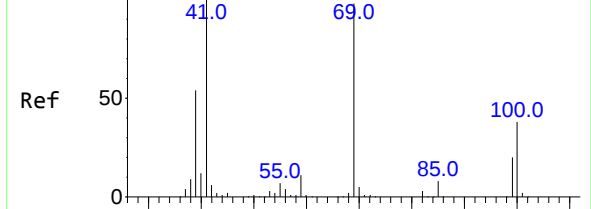
m/z-->

Abundance Scan 2967 (10.630 min): VU053016.D\data.ms (-1)



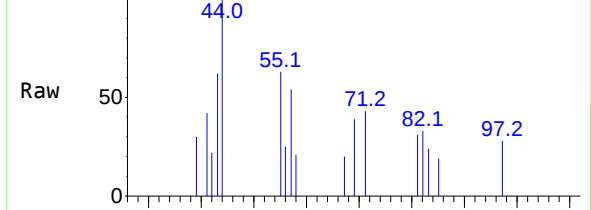
m/z-->

Abundance Scan 1749 (6.964 min): VU052775.D\data.ms (-1)



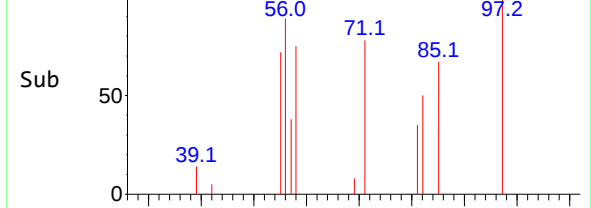
m/z-->

Abundance Scan 1827 (6.964 min): VU053016.D\data.ms (-1)



m/z-->

Abundance Scan 1827 (6.964 min): VU053016.D\data.ms (-1)

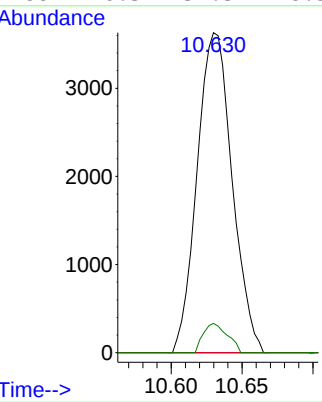


m/z-->

#46
t-1,4-Dichloro-2-butene
Concen: 2.425 ug/l
RT: 10.630 min Scan# 2967
Delta R.T. -0.199 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

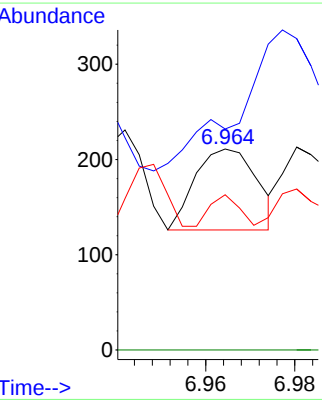
Instrument :
MSVOA_U
ClientSampleId :
TB-02-020723

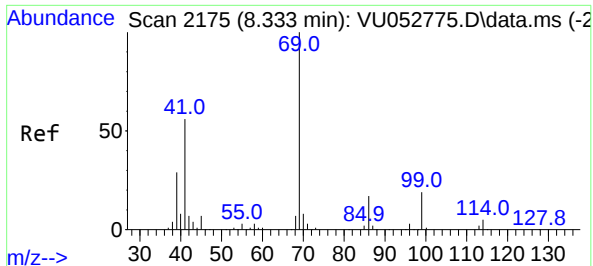
Tgt Ion:	75	Resp:	6250
Ion	Ratio	Lower	Upper
75	100		
53	0.0	57.0	85.4#
89	0.0	41.1	61.7#
88	6.3	32.3	48.5#



#47
Methyl methacrylate
Concen: 0.020 ug/l
RT: 6.964 min Scan# 1827
Delta R.T. 0.001 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion:	69	Resp:	82
Ion	Ratio	Lower	Upper
69	100		
41	231.7	0.0	201.8#
39	35.4	44.0	66.0#
100	0.0	31.5	47.3#





#48

Ethyl methacrylate

Concen: 0.014 ug/l

RT: 8.331 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU053016.D

Acq: 09 Feb 2023 13:57

Instrument :

MSVOA_U

ClientSampleId :

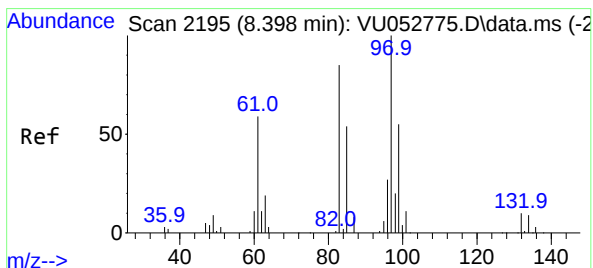
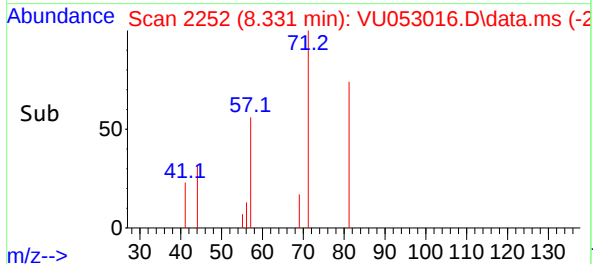
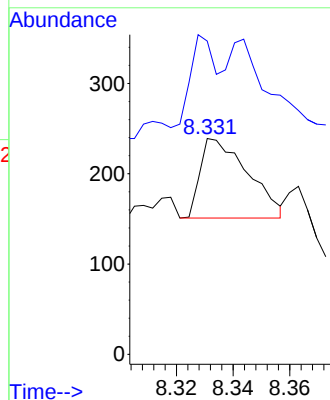
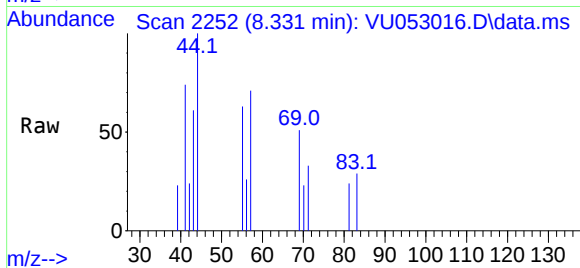
TB-02-020723

Tgt Ion: 69 Resp: 102

Ion Ratio Lower Upper

69 100

41 58.8 28.1 84.4



#52

1,1,2-Trichloroethane

Concen: 0.006 ug/l

RT: 8.382 min Scan# 2268

Delta R.T. -0.015 min

Lab File: VU053016.D

Acq: 09 Feb 2023 13:57

Tgt Ion: 97 Resp: 41

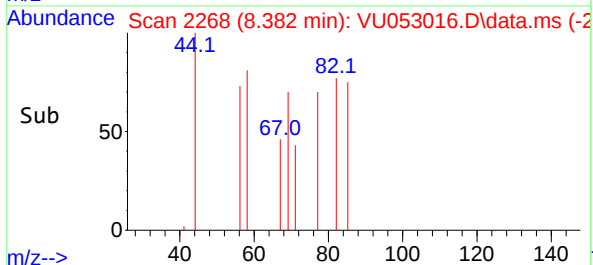
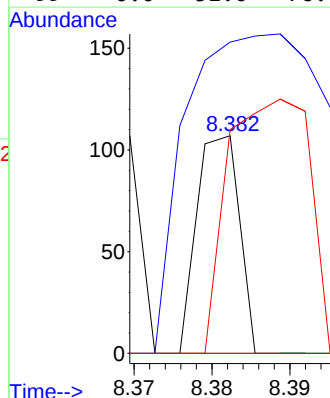
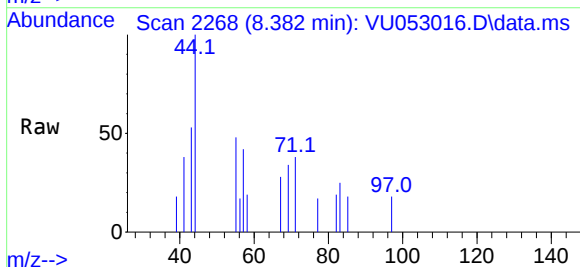
Ion Ratio Lower Upper

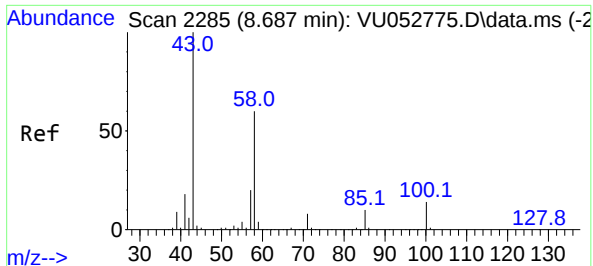
97 100

83 38.3 68.2 102.2#

85 102.8 44.5 66.7#

99 0.0 51.0 76.4#

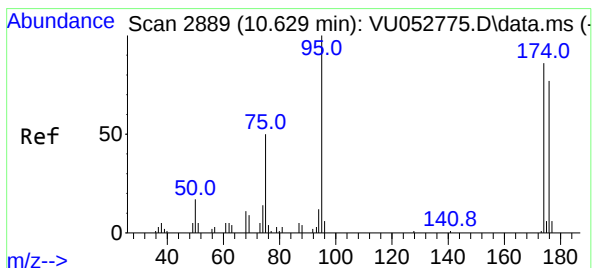
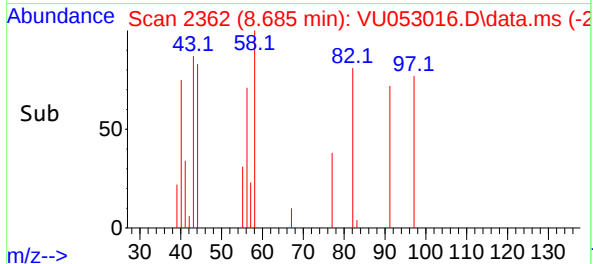
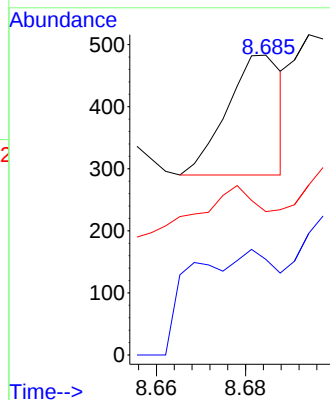
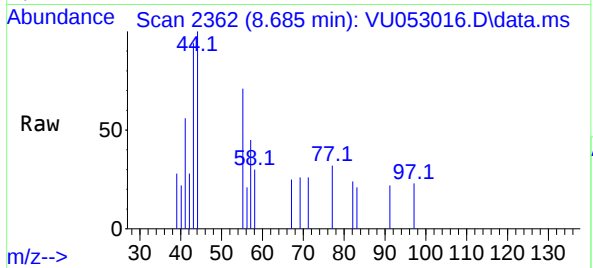




#54
2-Hexanone
Concen: 0.038 ug/l
RT: 8.685 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

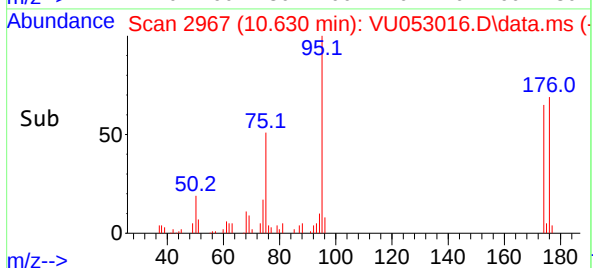
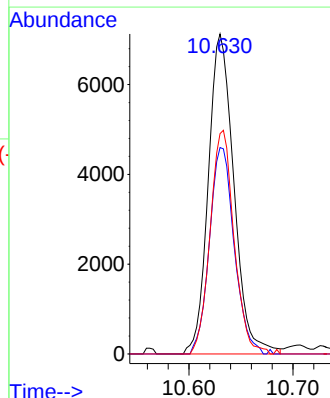
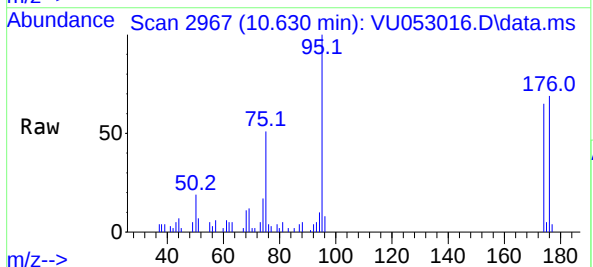
Instrument :
MSVOA_U
ClientSampleId :
TB-02-020723

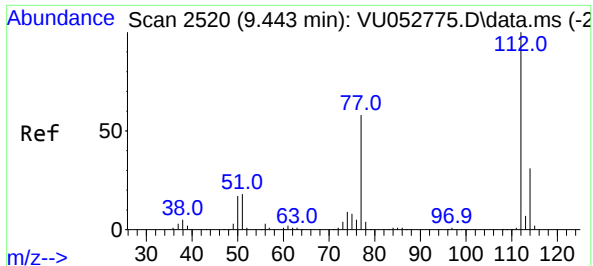
Tgt Ion: 43	Resp: 165		
Ion Ratio	Lower	Upper	
43	100		
58	136.4	40.0	80.0#
57	44.8	0.6	40.6#



#57
4-Bromofluorobenzene
Concen: 1.067 ug/l
RT: 10.630 min Scan# 2967
Delta R.T. 0.001 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion: 95	Resp: 12180
Ion Ratio	Lower Upper
95 100	
174 62.4	66.9 100.3#
176 65.4	61.9 92.9

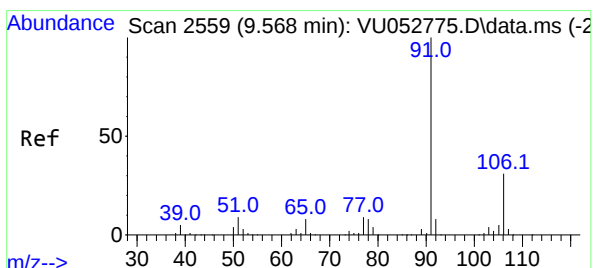
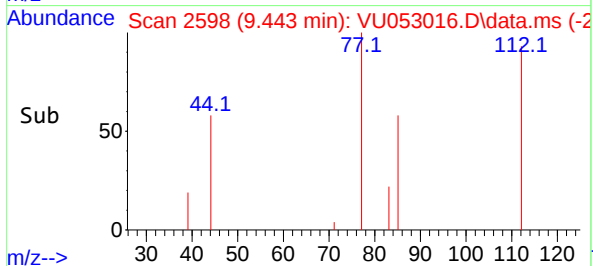
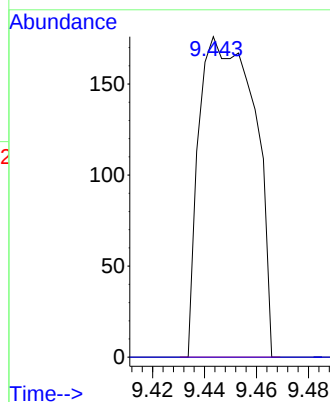
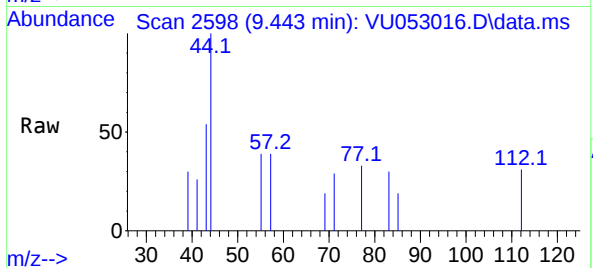




#59
Chlorobenzene
Concen: 0.011 ug/l
RT: 9.443 min Scan# 21
Delta R.T. 0.001 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

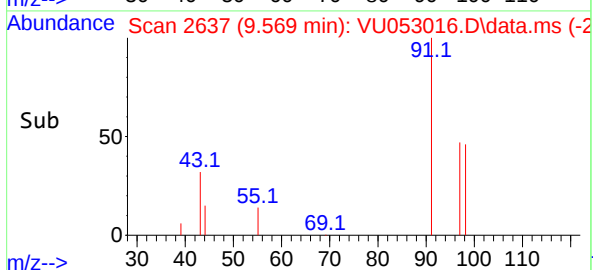
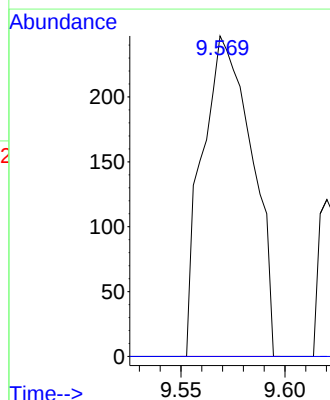
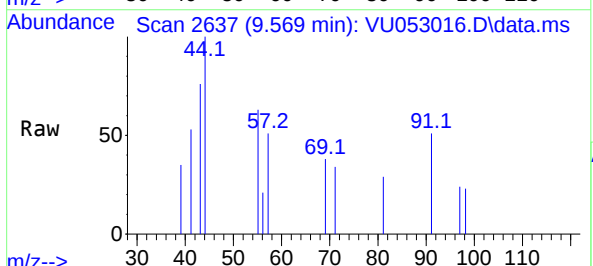
Instrument :
MSVOA_U
ClientSampleId :
TB-02-020723

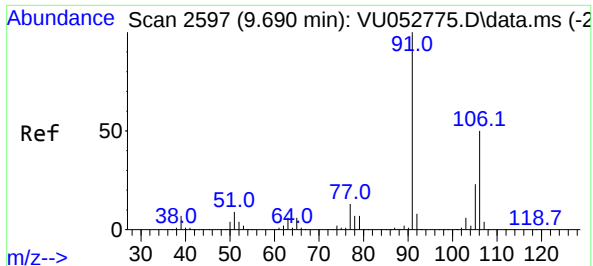
Tgt Ion:112 Resp: 259
Ion Ratio Lower Upper
112 100
114 0.0 25.2 37.8#



#63
Ethyl Benzene
Concen: 0.011 ug/l
RT: 9.569 min Scan# 2637
Delta R.T. 0.001 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion: 91 Resp: 411
Ion Ratio Lower Upper
91 100
106 0.0 25.1 37.7#

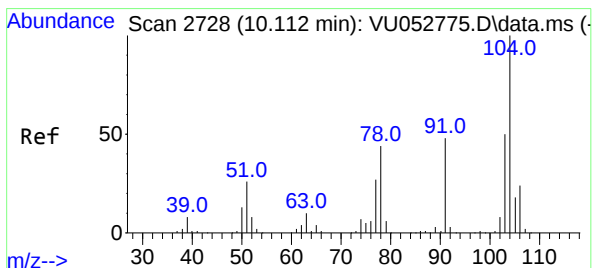
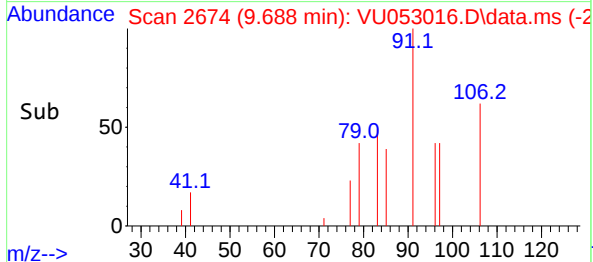
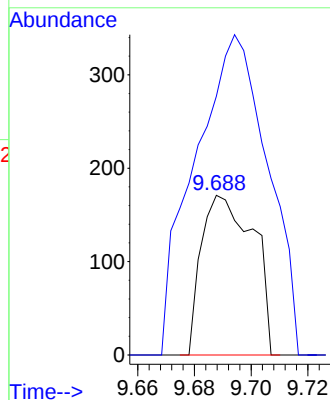
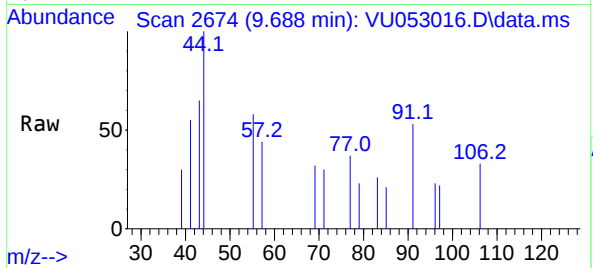




#64
m/p-Xylenes
Concen: 0.014 ug/l
RT: 9.688 min Scan# 217
Delta R.T. -0.002 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

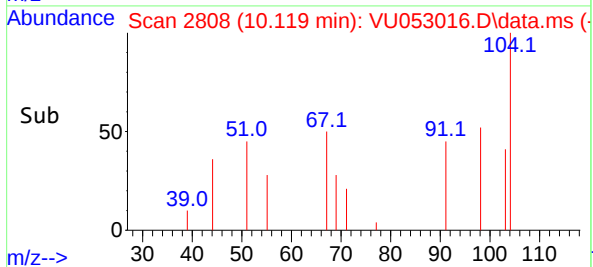
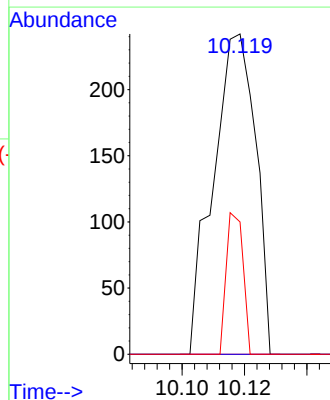
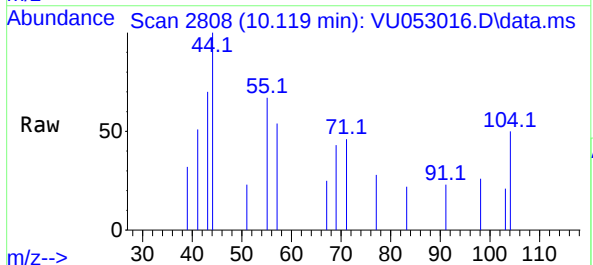
Instrument :
MSVOA_U
ClientSampleId :
TB-02-020723

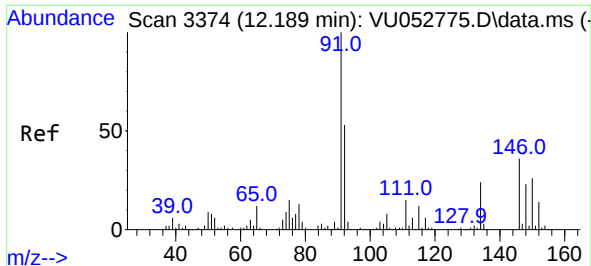
Tgt Ion:106 Resp: 217
Ion Ratio Lower Upper
106 100
91 282.5 158.7 238.1#



#66
Styrene
Concen: 0.428 ug/l
RT: 10.119 min Scan# 2808
Delta R.T. 0.007 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion:104 Resp: 229
Ion Ratio Lower Upper
104 100
78 0.0 39.6 59.4#
103 17.5 42.9 64.3#

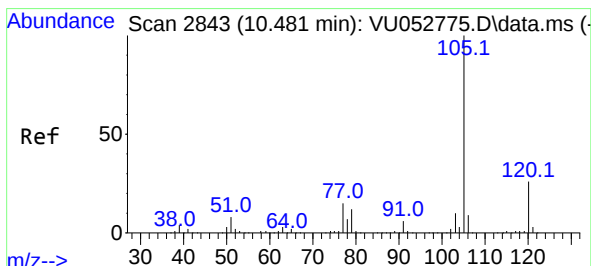
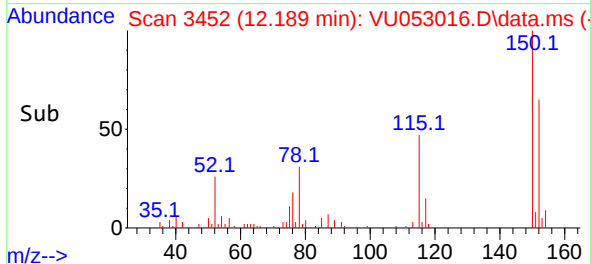
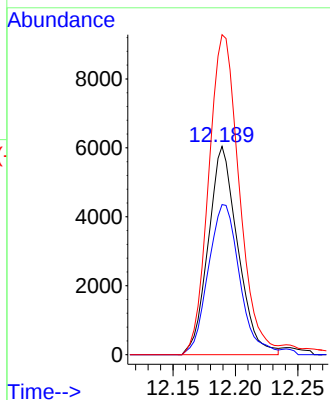
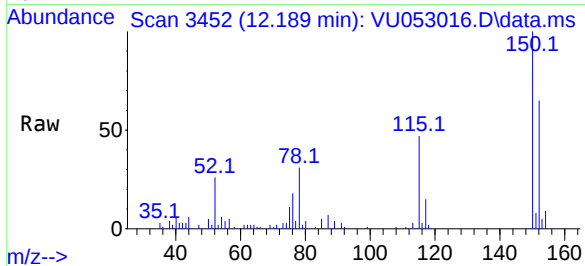




#68
 1,2-Dichlorobenzene-d4
 Concen: 0.846 ug/l
 RT: 12.189 min Scan# 341
 Delta R.T. 0.001 min
 Lab File: VU053016.D
 Acq: 09 Feb 2023 13:57

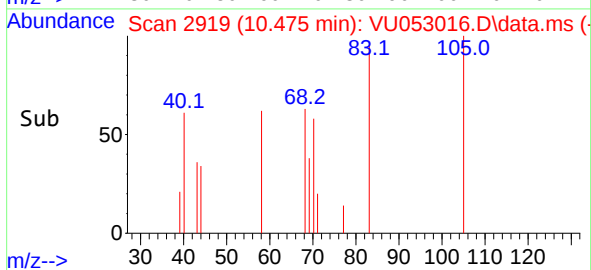
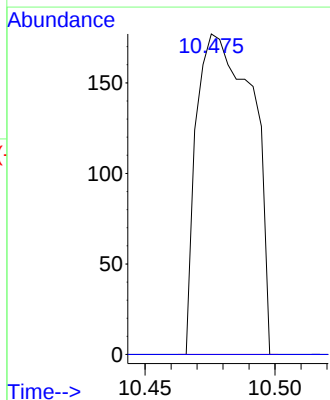
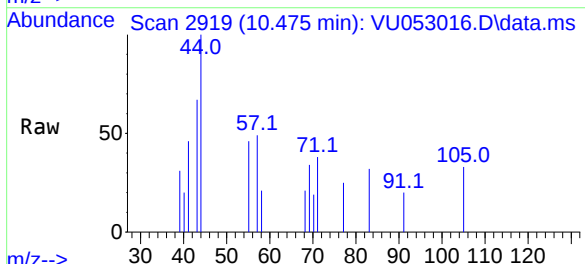
Instrument :
 MSVOA_U
 ClientSampleId :
 TB-02-020723

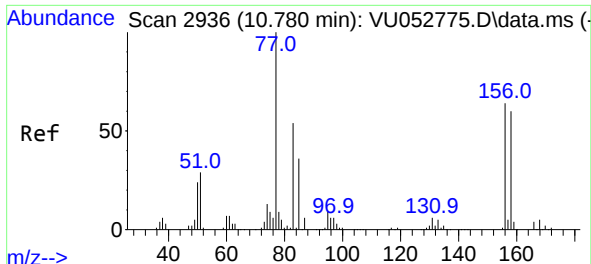
Tgt Ion:	152	Resp:	9936
Ion Ratio	Lower	Upper	
152	100		
115	76.8	0.0	262.6
150	159.7	0.0	638.0



#69
 Isopropylbenzene
 Concen: 0.007 ug/l
 RT: 10.475 min Scan# 2919
 Delta R.T. -0.006 min
 Lab File: VU053016.D
 Acq: 09 Feb 2023 13:57

Tgt Ion:	105	Resp:	265
Ion Ratio	Lower	Upper	
105	100		
120	0.0	13.3	39.9#

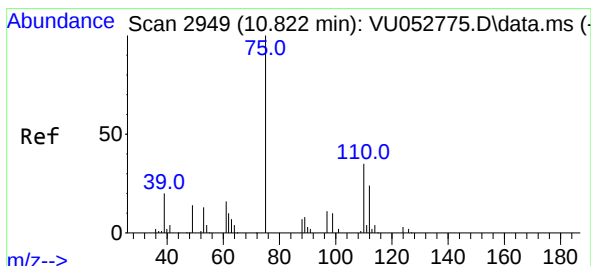
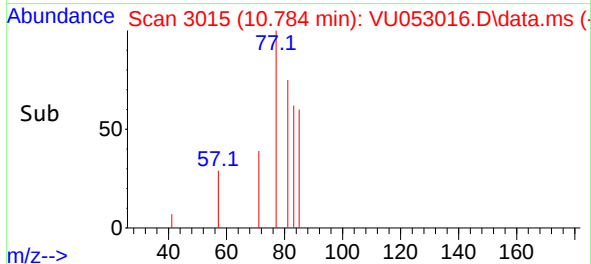
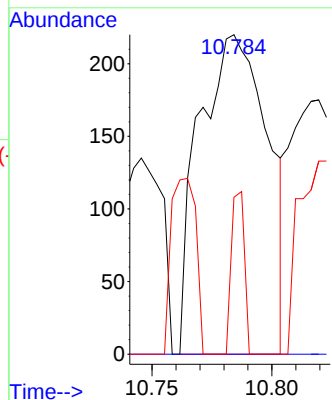
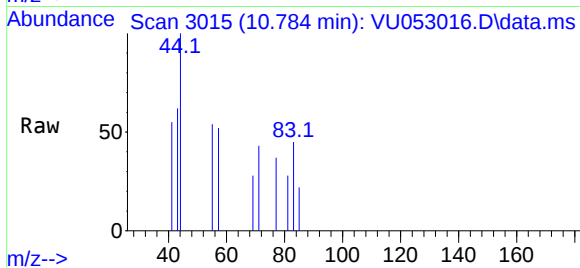




#70
1,1,2,2-Tetrachloroethane
Concen: 0.053 ug/l
RT: 10.784 min Scan# 3015
Delta R.T. 0.004 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

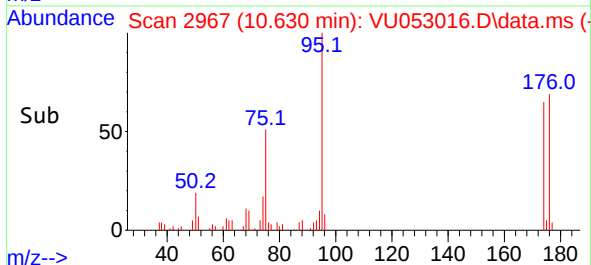
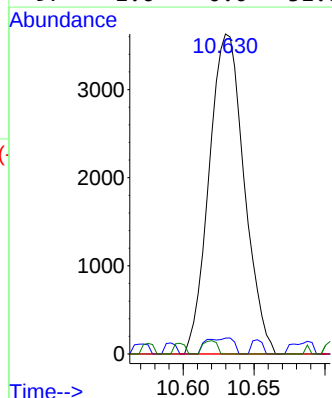
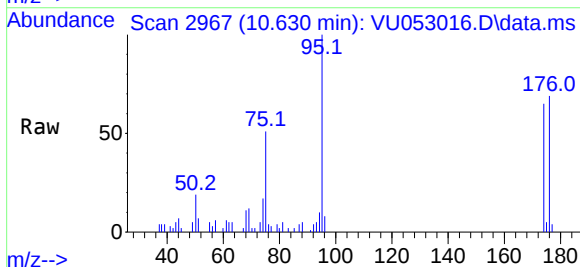
Instrument :
MSVOA_U
ClientSampleId :
TB-02-020723

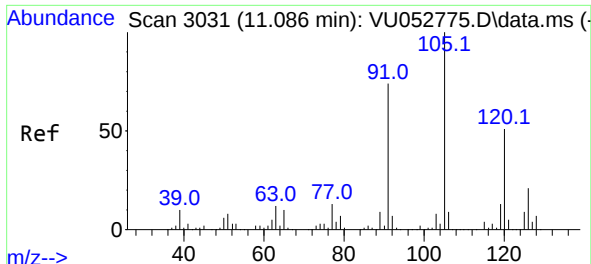
Tgt Ion: 83 Resp: 436
Ion Ratio Lower Upper
83 100
131 0.0 8.6 13.0#
85 9.6 52.6 78.8#



#71
1,2,3-Trichloropropane
Concen: 0.871 ug/l
RT: 10.630 min Scan# 2967
Delta R.T. -0.192 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion: 75 Resp: 6250
Ion Ratio Lower Upper
75 100
77 1.9 0.0 86.0
110 0.0 0.0 63.8
97 1.6 0.0 31.8

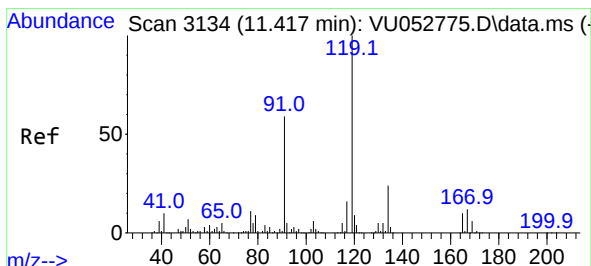
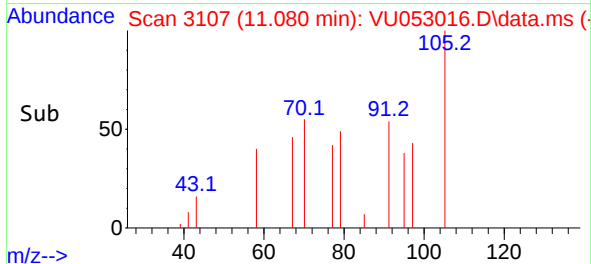
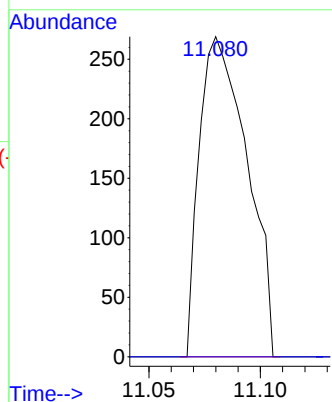
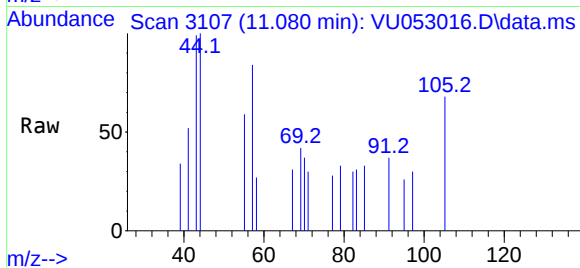




#75
1,3,5-Trimethylbenzene
Concen: 0.430 ug/l
RT: 11.080 min Scan# 3107
Delta R.T. -0.006 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

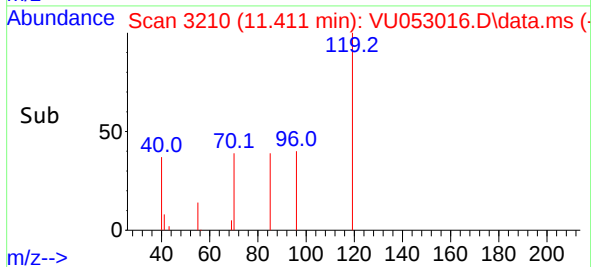
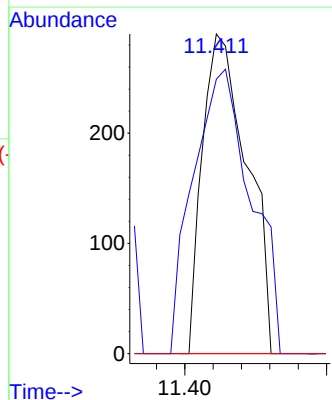
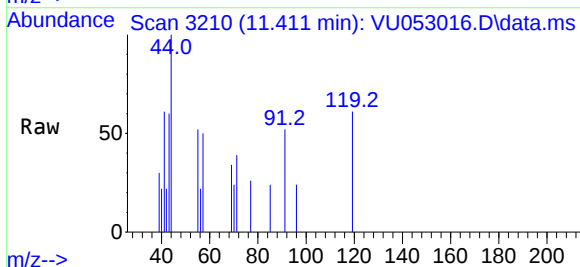
Instrument :
MSVOA_U
ClientSampleId :
TB-02-020723

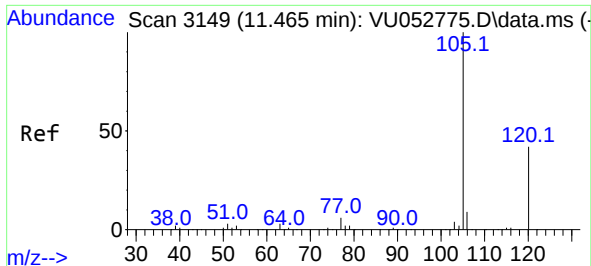
Tgt Ion:105 Resp: 401
Ion Ratio Lower Upper
105 100
120 0.0 39.9 59.9#



#77
tert-Butylbenzene
Concen: 0.010 ug/l
RT: 11.411 min Scan# 3210
Delta R.T. -0.006 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion:119 Resp: 318
Ion Ratio Lower Upper
119 100
91 115.1 28.4 85.3#
134 0.0 18.6 27.8#





#78

1,2,4-Trimethylbenzene

Concen: 0.471 ug/l

RT: 11.475 min Scan# 31

Delta R.T. 0.010 min

Lab File: VU053016.D

Acq: 09 Feb 2023 13:57

Instrument :

MSVOA_U

ClientSampleId :

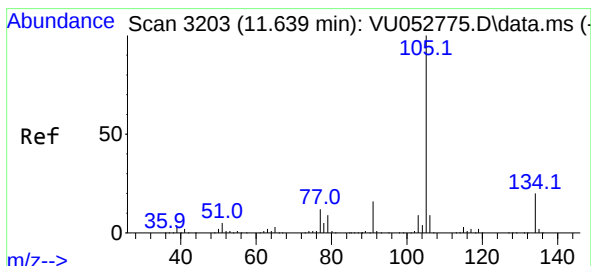
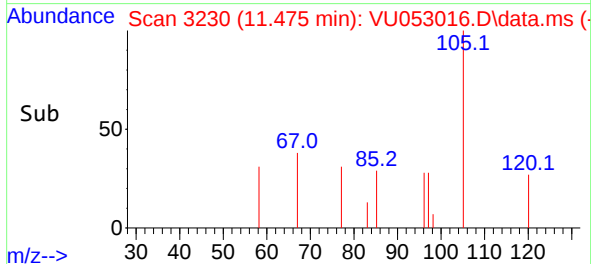
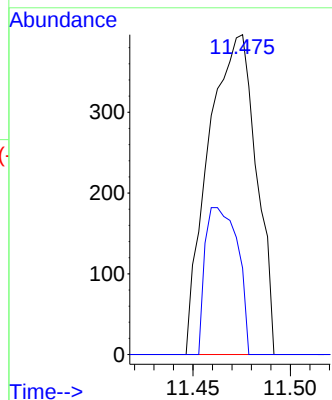
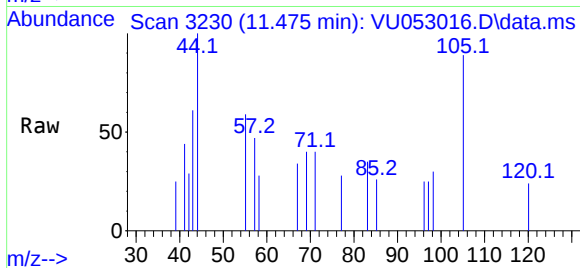
TB-02-020723

Tgt Ion:105 Resp: 675

Ion Ratio Lower Upper

105 100

120 31.1 23.4 70.3



#79

sec-Butylbenzene

Concen: 0.443 ug/l

RT: 11.639 min Scan# 3281

Delta R.T. 0.000 min

Lab File: VU053016.D

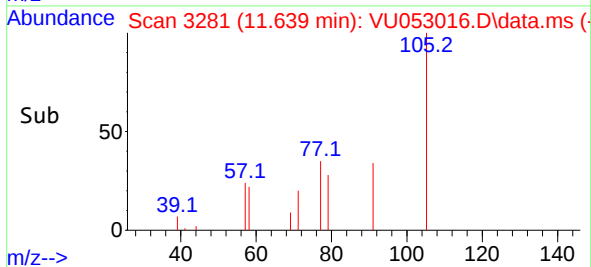
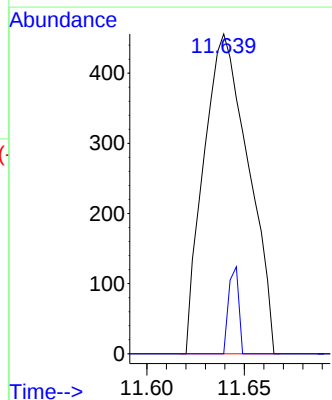
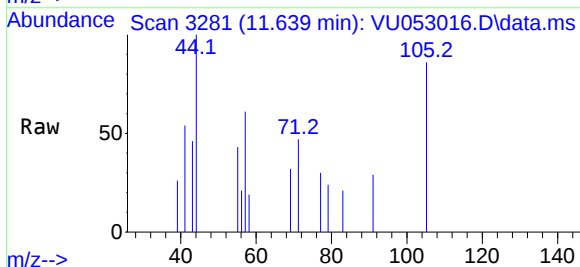
Acq: 09 Feb 2023 13:57

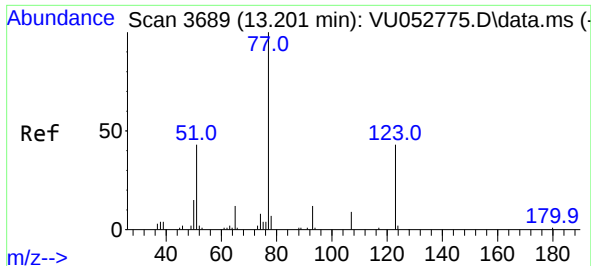
Tgt Ion:105 Resp: 725

Ion Ratio Lower Upper

105 100

134 6.1 16.5 24.7#

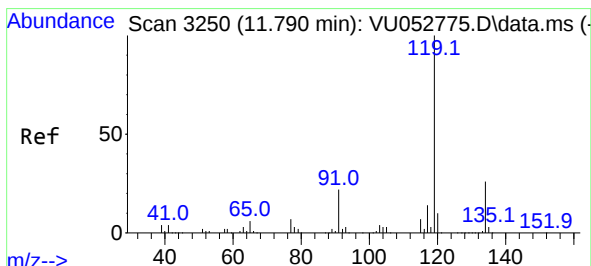
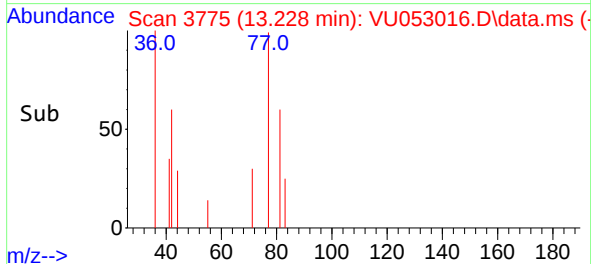
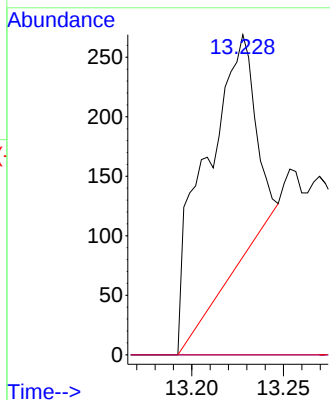
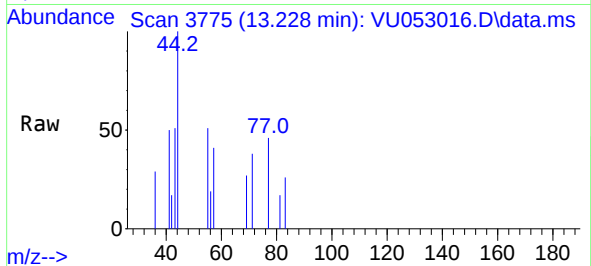




#80
Nitrobenzene
Concen: 0.748 ug/l
RT: 13.228 min Scan# 31
Delta R.T. 0.027 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

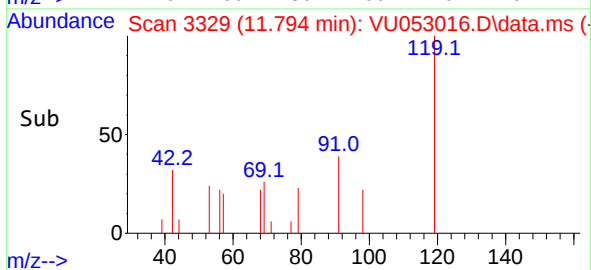
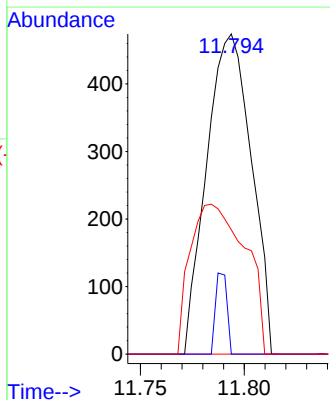
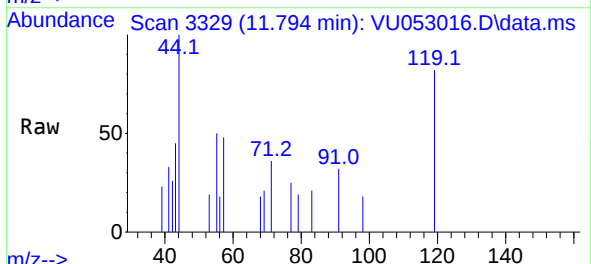
Instrument :
MSVOA_U
ClientSampleId :
TB-02-020723

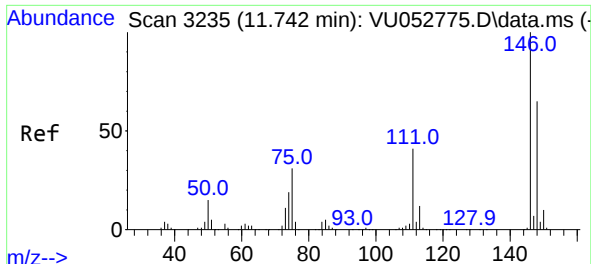
Tgt Ion: 77 Resp: 384
Ion Ratio Lower Upper
77 100
123 0.0 18.8 66.8#
65 0.0 10.1 12.9#



#81
p-Isopropyltoluene
Concen: 0.500 ug/l
RT: 11.794 min Scan# 3329
Delta R.T. 0.004 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion: 119 Resp: 710
Ion Ratio Lower Upper
119 100
134 6.5 20.7 31.1#
91 57.6 17.6 26.4#





#82

1,3-Dichlorobenzene

Concen: 0.014 ug/l

RT: 11.752 min Scan# 3316

Delta R.T. 0.010 min

Lab File: VU053016.D

Acq: 09 Feb 2023 13:57

Instrument :

MSVOA_U

ClientSampleId :

TB-02-020723

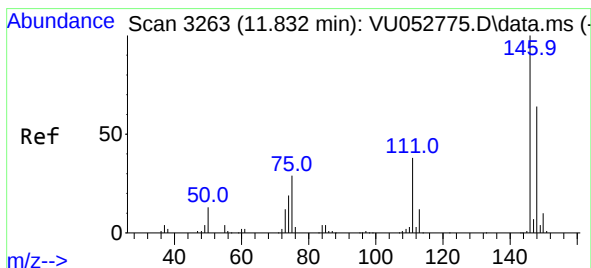
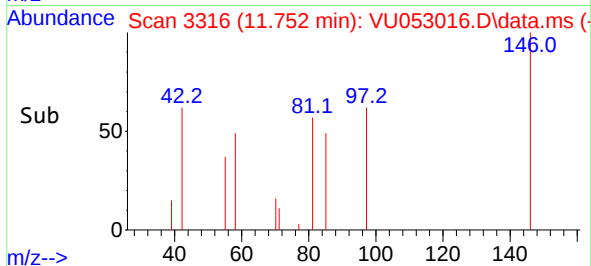
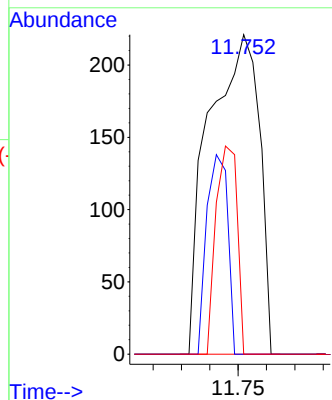
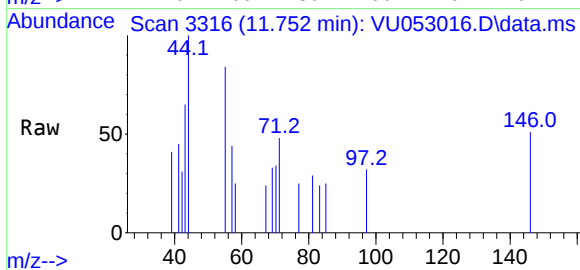
Tgt Ion:146 Resp: 273

Ion Ratio Lower Upper

146 100

111 26.0 32.6 48.8#

148 27.5 51.9 77.9#



#83

1,4-Dichlorobenzene

Concen: 0.020 ug/l

RT: 11.832 min Scan# 3341

Delta R.T. 0.001 min

Lab File: VU053016.D

Acq: 09 Feb 2023 13:57

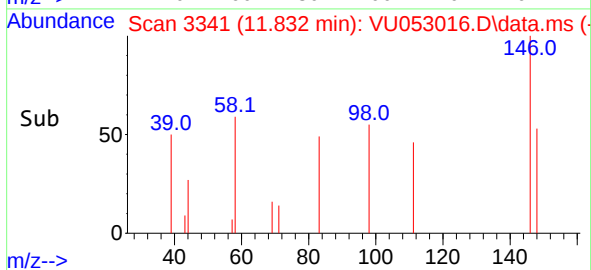
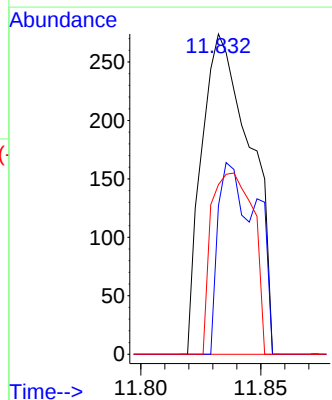
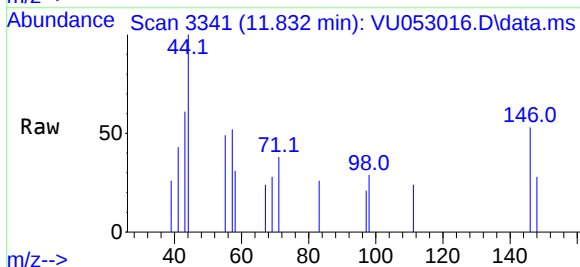
Tgt Ion:146 Resp: 388

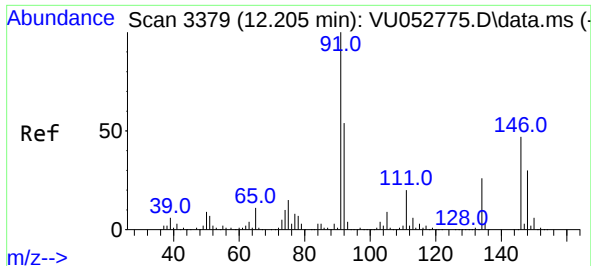
Ion Ratio Lower Upper

146 100

111 46.9 29.5 44.3#

148 48.5 51.4 77.0#

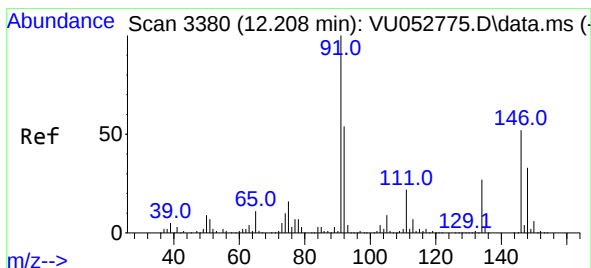
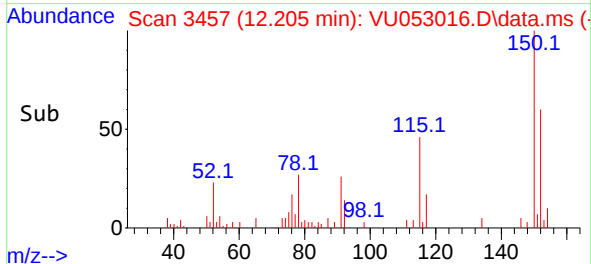
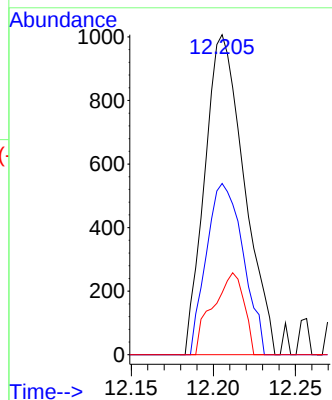
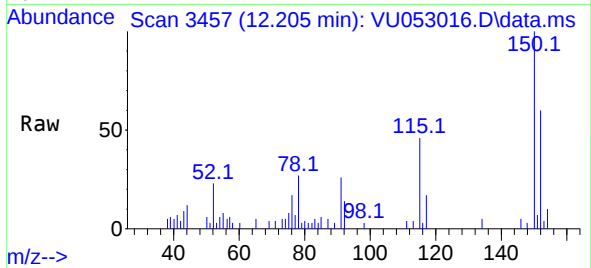




#84
n-Butylbenzene
Concen: 0.594 ug/l
RT: 12.205 min Scan# 3457
Delta R.T. 0.000 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

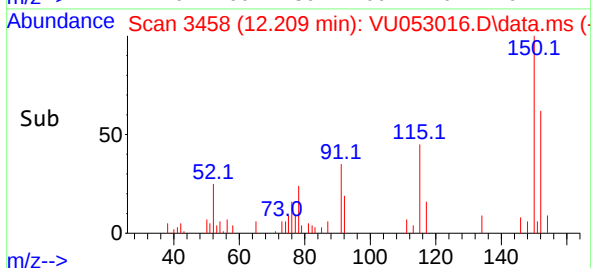
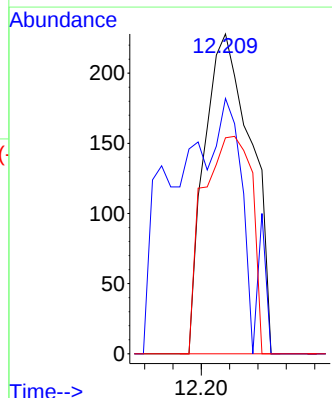
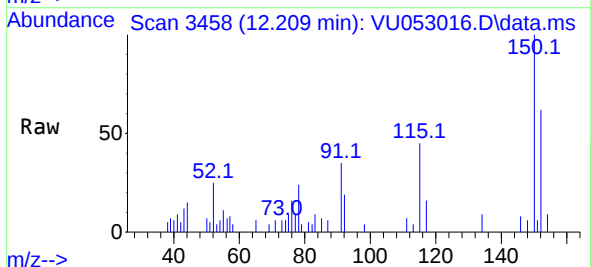
Instrument :
MSVOA_U
ClientSampleId :
TB-02-020723

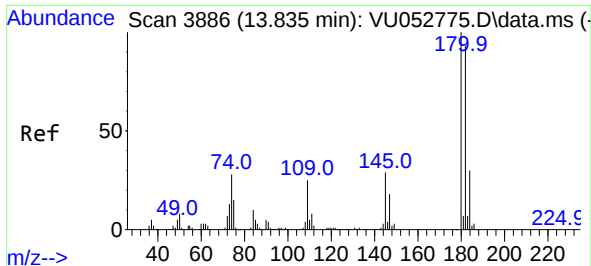
Tgt Ion: 91 Resp: 1681
Ion Ratio Lower Upper
91 100
92 49.9 43.4 65.0
134 20.2 21.2 31.8#



#85
1,2-Dichlorobenzene
Concen: 0.014 ug/l
RT: 12.209 min Scan# 3458
Delta R.T. 0.001 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

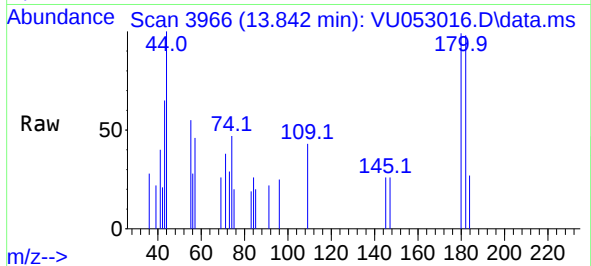
Tgt Ion: 146 Resp: 261
Ion Ratio Lower Upper
146 100
111 83.9 20.8 62.5#
148 70.5 31.4 94.2



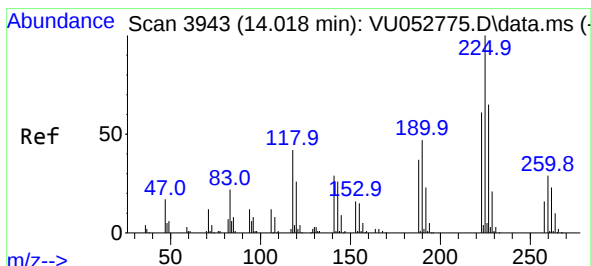
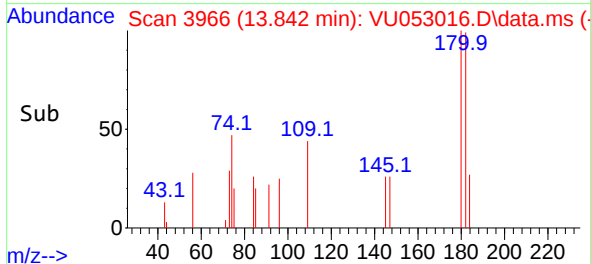
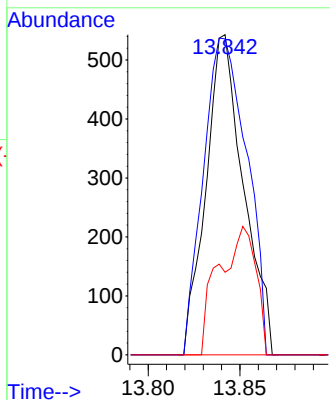


#87
1,2,4-Trichlorobenzene
Concen: 0.069 ug/l
RT: 13.842 min Scan# 3966
Delta R.T. 0.007 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Instrument :
MSVOA_U
ClientSampleId :
TB-02-020723

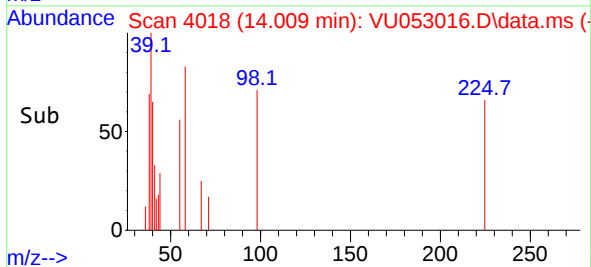
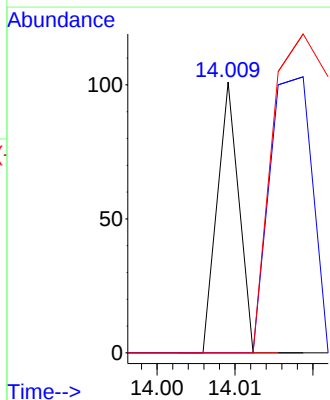
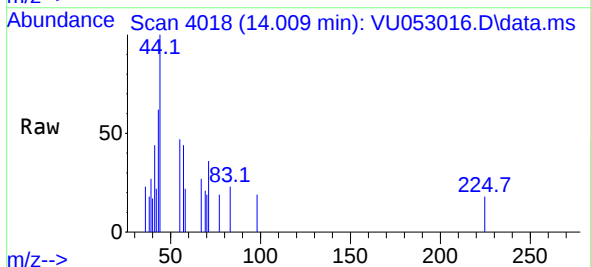


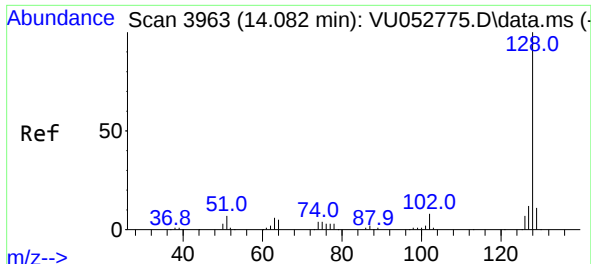
Tgt Ion:180 Resp: 775
Ion Ratio Lower Upper
180 100
182 113.9 74.6 112.0#
145 39.4 23.4 35.0#



#88
Hexachlorobutadiene
Concen: 0.002 ug/l
RT: 14.009 min Scan# 4018
Delta R.T. -0.009 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion:225 Resp: 19
Ion Ratio Lower Upper
225 100
223 205.3 49.8 74.6#
227 331.6 51.5 77.3#

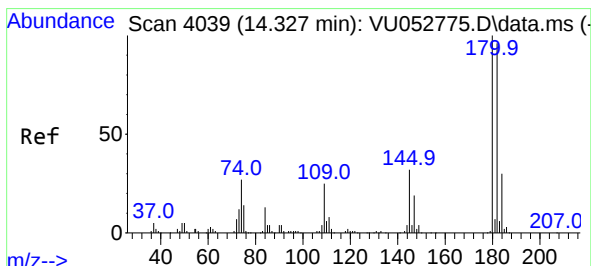
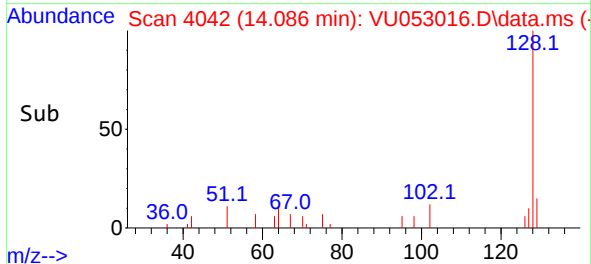
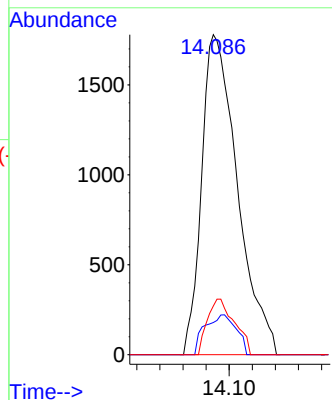
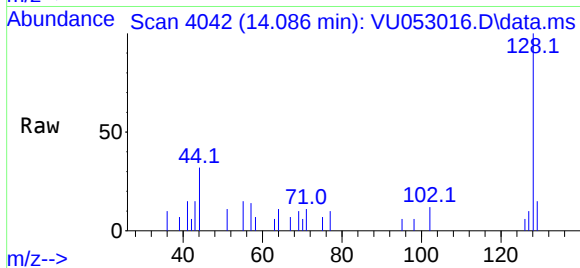




#89
Naphthalene
Concen: 0.176 ug/l
RT: 14.086 min Scan# 4117
Delta R.T. 0.004 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Instrument :
MSVOA_U
ClientSampleId :
TB-02-020723

Tgt Ion:128	Resp:	3822
Ion Ratio	Lower	Upper
128	100	
127	10.9	10.2 15.4
129	13.2	8.6 12.8#



#90
1,2,3-Trichlorobenzene
Concen: 0.081 ug/l
RT: 14.327 min Scan# 4117
Delta R.T. 0.001 min
Lab File: VU053016.D
Acq: 09 Feb 2023 13:57

Tgt Ion:180	Resp:	858
Ion Ratio	Lower	Upper
180	100	
182	114.6	77.8 116.6
145	29.3	25.2 37.8

