

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011722\
 Data File : VU046770.D
 Acq On : 17 Jan 2022 17:27
 Operator : SY/MD
 Sample : N1155-01ME
 Misc : 5.79g/5.0mL/100uL/5.0mL//MSVOA_U/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 18 02:18:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 18 02:15:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	289133	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.430	117	280725	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.825	152	140749	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	30486	12.083	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	24.160%#
7) Chloroethane-d5	1.919	69	11549	6.162	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	12.320%#
11) 1,1-Dichloroethene-d2	2.543	63	65619	15.291	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	30.580%#
21) 2-Butanone-d5	4.681	46	54186	29.344	ug/L	0.04
Spiked Amount	100.000	Range	40 - 130	Recovery	=	29.340%#
24) Chloroform-d	5.083	84	140271	31.537	ug/L	0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	63.080%#
26) 1,2-Dichloroethane-d4	5.713	65	94140	33.373	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	66.740%#
32) Benzene-d6	5.723	84	296260	33.817	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	67.640%#
36) 1,2-Dichloropropane-d6	6.697	67	91811	34.347	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	68.700%#
41) Toluene-d8	7.903	98	291845	37.264	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.520%#
43) trans-1,3-Dichloroprop...	8.189	79	47338	36.759	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.520%
47) 2-Hexanone-d5	8.703	63	128142	90.236	ug/L	0.07
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.240%
56) 1,1,2,2-Tetrachloroeth...	10.780	84	158674	38.328	ug/L	0.02
Spiked Amount	50.000	Range	65 - 120	Recovery	=	76.660%
66) 1,2-Dichlorobenzene-d4	12.205	152	111844	38.402	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.800%#
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.543	101	673	0.331	ug/L #	20
22) 2-Butanone	4.752	43	9000	4.492	ug/L	72
29) Cyclohexane	5.372	56	8450	2.832	ug/L	83
33) Benzene	5.771	78	92955	11.132	ug/L	100
35) Methylcyclohexane	6.758	83	16107	4.736	ug/L	93
37) 1,2-Dichloropropane	6.694	63	10014	4.687	ug/L #	89
39) cis-1,3-Dichloropropene	7.578	75	2965	0.902	ug/L #	75
42) Toluene	7.973	91	173292	19.678	ug/L	98
45) 1,1,2-Trichloroethane	8.369	97	8810	4.035	ug/L #	25
46) Tetrachloroethene	8.555	164	2300	1.384	ug/L	90
49) Dibromochloromethane	8.552	129	2094	0.873	ug/L #	10
52) Ethylbenzene	9.581	91	860123	92.064	ug/L	100
53) m,p-Xylene	9.703	106	949061	263.028	ug/L	96
54) o-xylene	10.115	106	437908	126.918	ug/L	99
55) Styrene	10.121	104	45060	7.463	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	10.761	83	13299	3.483	ug/L #	49
61) Isopropylbenzene	10.497	105	207995	24.192	ug/L	98
62) 1,3,5-Trimethylbenzene	11.102	105	990763	137.085	ug/L	99
63) 1,2,4-Trimethylbenzene	11.481	105	2998726	416.419	ug/L	99

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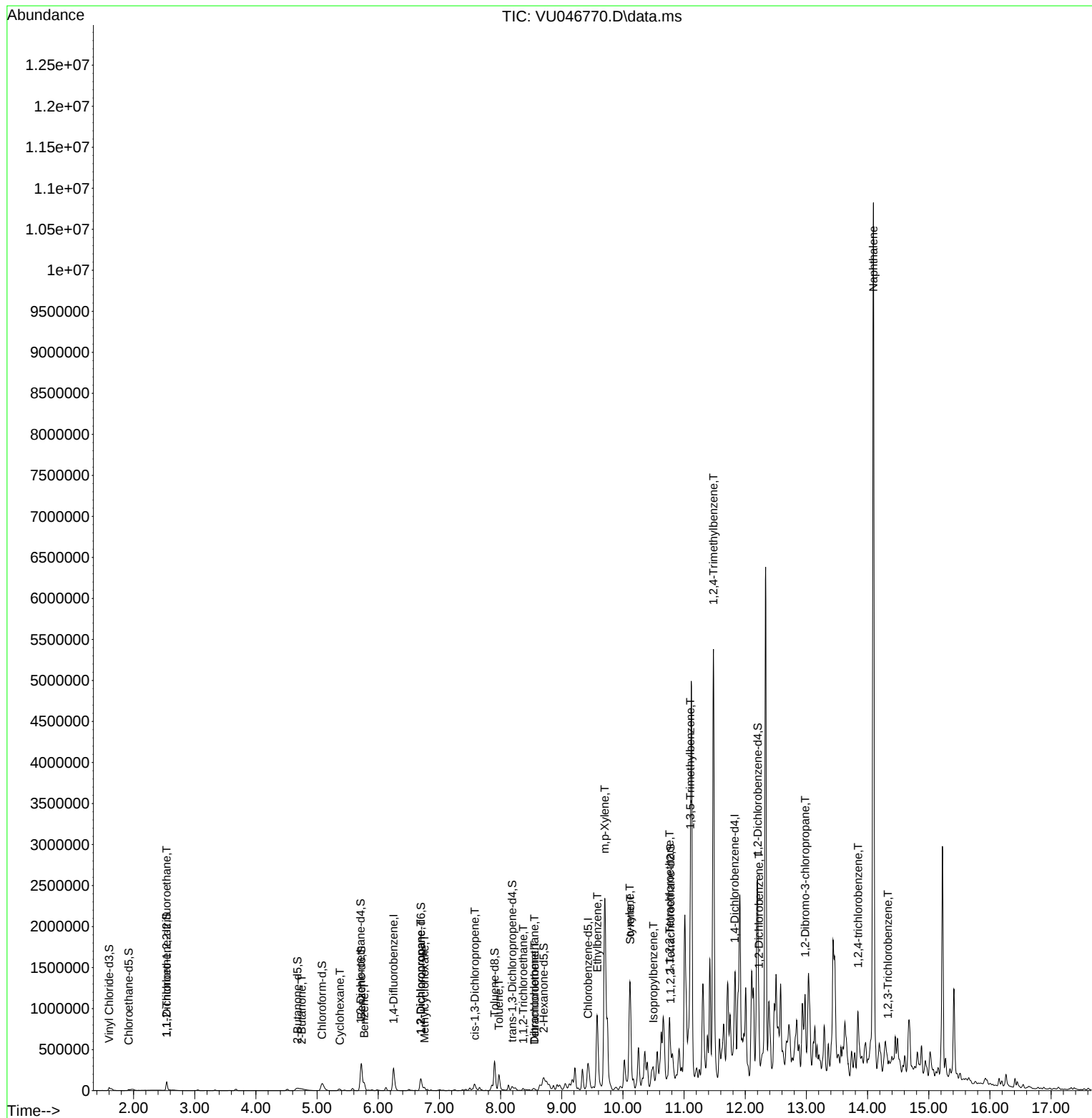
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.224	146	91024	21.016	ug/L #	91
68) 1,2-Dibromo-3-chloropr...	12.983	75	3798	4.284	ug/L #	12
70) 1,2,4-trichlorobenzene	13.844	180	58707	20.808	ug/L #	78
71) Naphthalene	14.095	128	8600446	937.250	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	11046	3.874	ug/L #	1

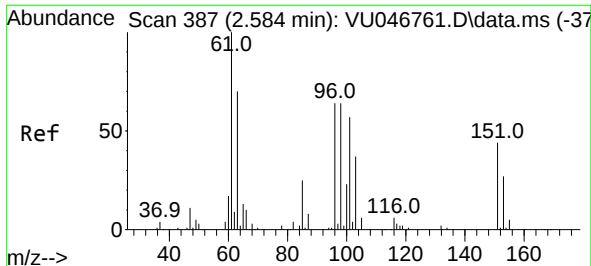
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.331 ug/L

RT: 2.543 min Scan# 31

Delta R.T. -0.042 min

Lab File: VU046770.D

Acq: 17 Jan 2022 17:27

Instrument :

MSVOA_U

ClientSampleId :

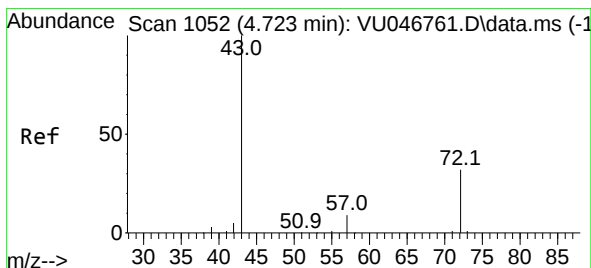
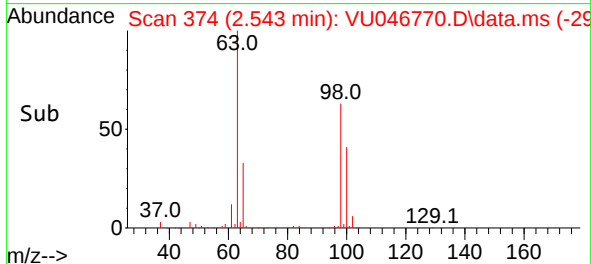
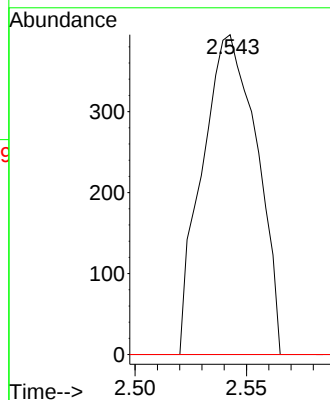
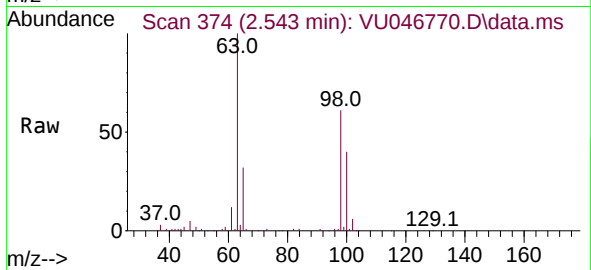
Tgt Ion:101 Resp: 673

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

151 0.0 58.3 87.5#



#22

2-Butanone

Concen: 4.492 ug/L

RT: 4.752 min Scan# 1061

Delta R.T. 0.029 min

Lab File: VU046770.D

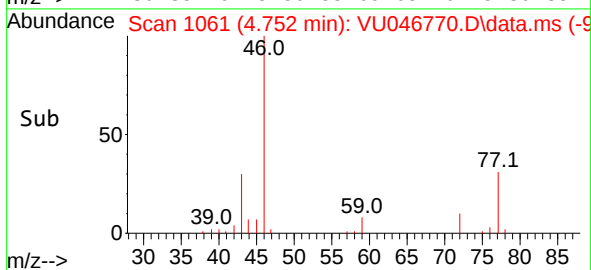
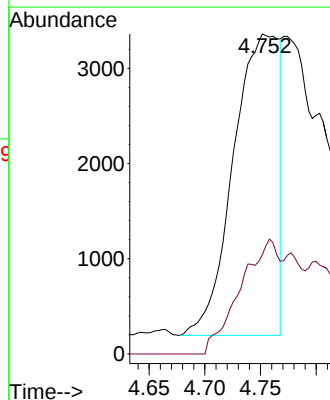
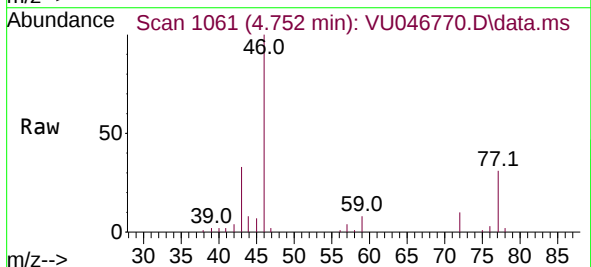
Acq: 17 Jan 2022 17:27

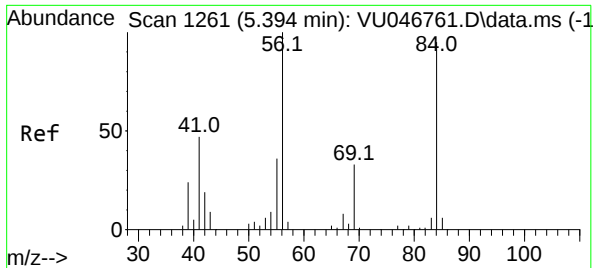
Tgt Ion: 43 Resp: 9000

Ion Ratio Lower Upper

43 100

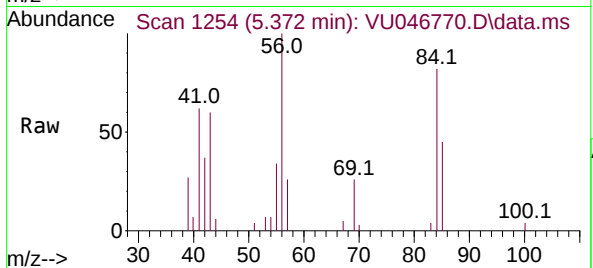
72 15.9 15.6 46.8



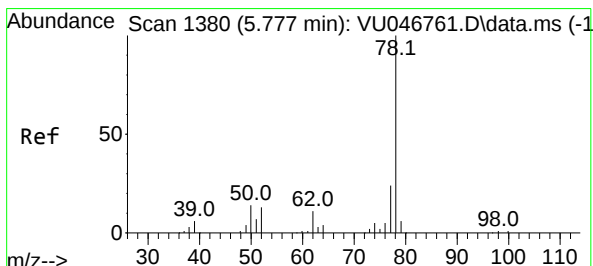
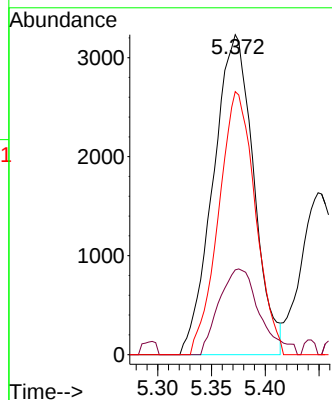
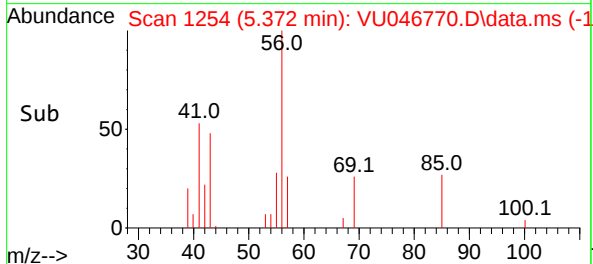


#29
Cyclohexane
Concen: 2.832 ug/L
RT: 5.372 min Scan# 1254
Delta R.T. -0.022 min
Lab File: VU046770.D
Acq: 17 Jan 2022 17:27

Instrument :
MSVOA_U
ClientSampleId :

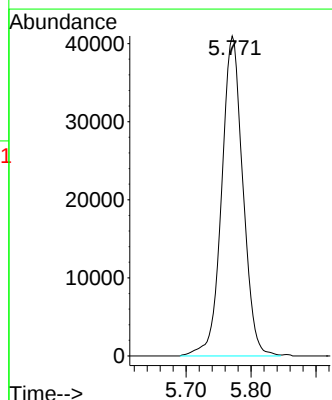
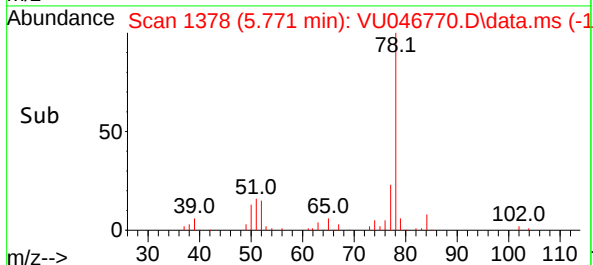
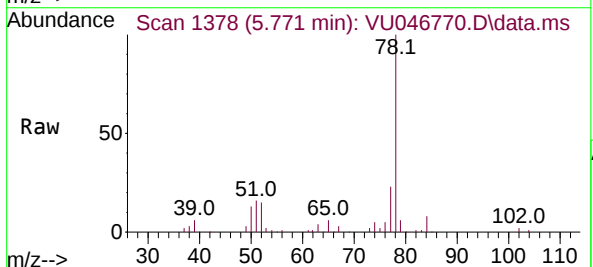


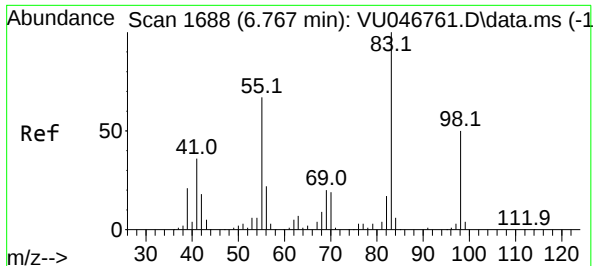
Tgt Ion: 56 Resp: 8450
Ion Ratio Lower Upper
56 100
69 26.5 25.8 38.6
84 74.4 74.2 111.2



#33
Benzene
Concen: 11.132 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.006 min
Lab File: VU046770.D
Acq: 17 Jan 2022 17:27

Tgt Ion: 78 Resp: 92955

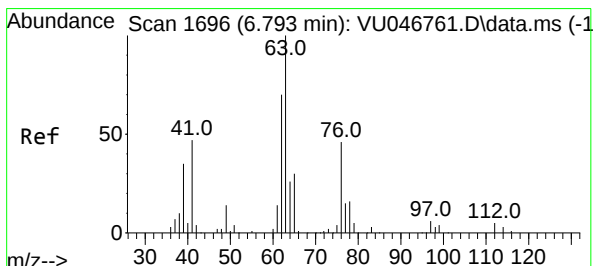
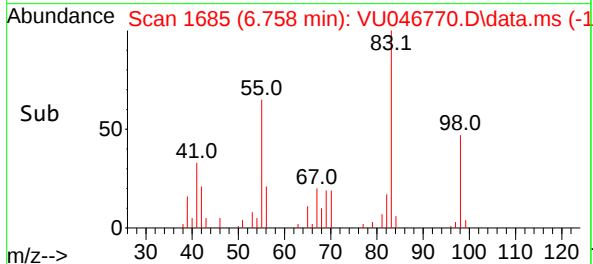
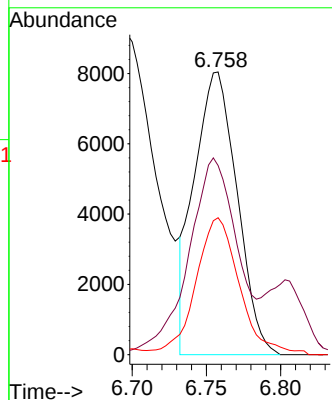
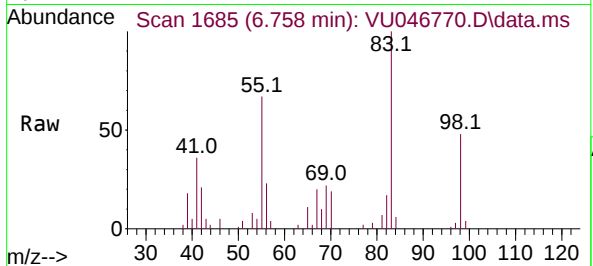




#35
Methylcyclohexane
Concen: 4.736 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.010 min
Lab File: VU046770.D
Acq: 17 Jan 2022 17:27

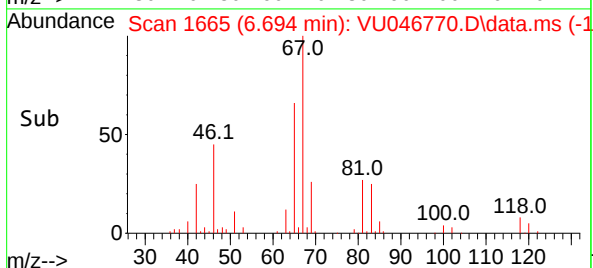
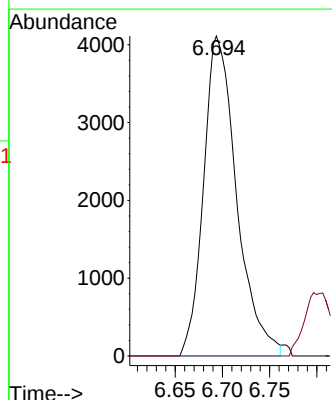
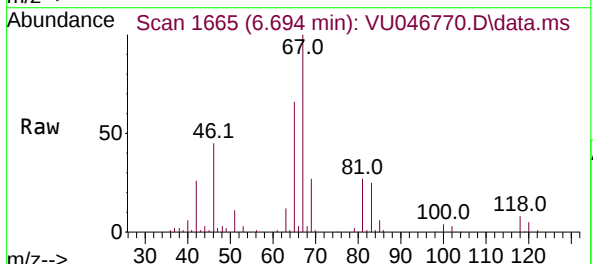
Instrument :
MSVOA_U
ClientSampleId :

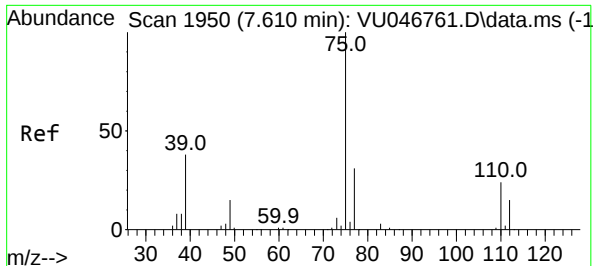
Tgt Ion: 83 Resp: 16107
Ion Ratio Lower Upper
83 100
55 79.2 56.6 85.0
98 46.8 38.4 57.6



#37
1,2-Dichloropropane
Concen: 4.687 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU046770.D
Acq: 17 Jan 2022 17:27

Tgt Ion: 63 Resp: 10014
Ion Ratio Lower Upper
63 100
112 8.2 3.7 5.5#





#39

cis-1,3-Dichloropropene

Concen: 0.902 ug/L

RT: 7.578 min Scan# 1950

Delta R.T. -0.032 min

Lab File: VU046770.D

Acq: 17 Jan 2022 17:27

Instrument :

MSVOA_U

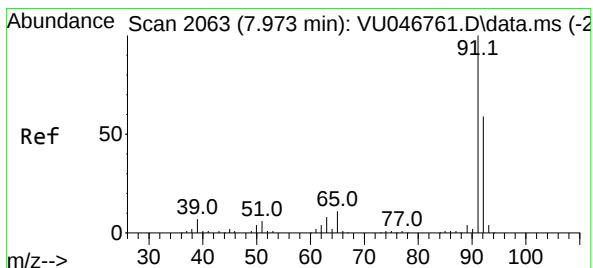
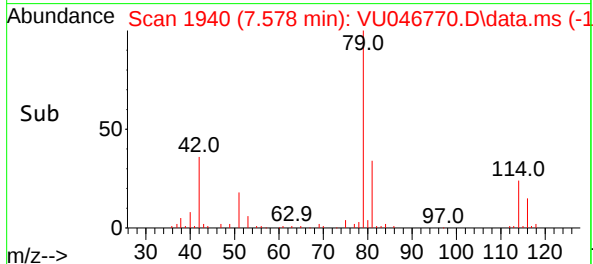
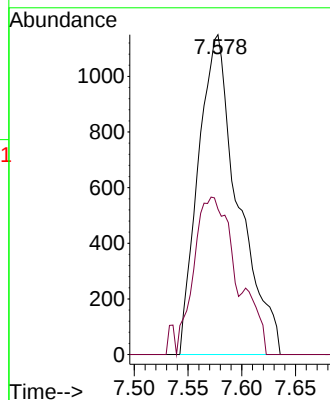
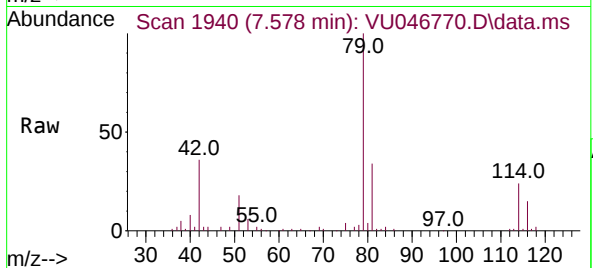
ClientSampleId :

Tgt Ion: 75 Resp: 2965

Ion Ratio Lower Upper

75 100

77 45.5 22.3 41.3#



#42

Toluene

Concen: 19.678 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU046770.D

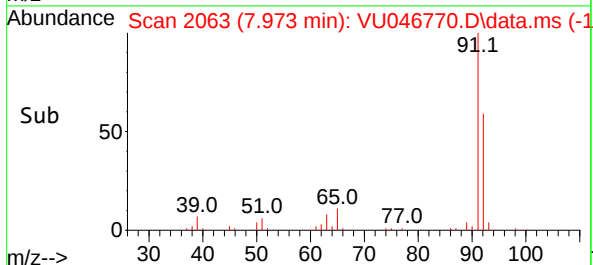
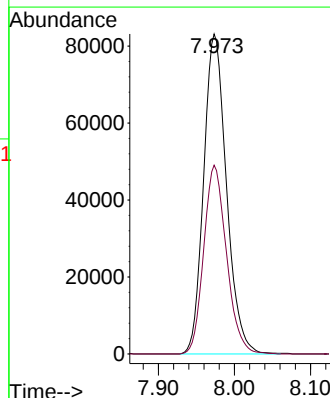
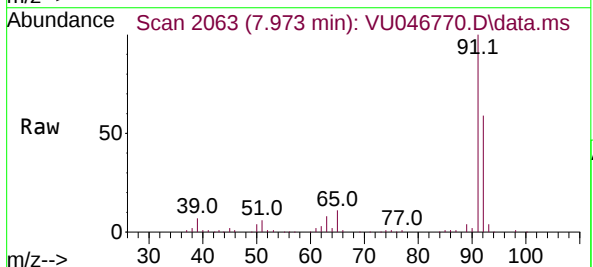
Acq: 17 Jan 2022 17:27

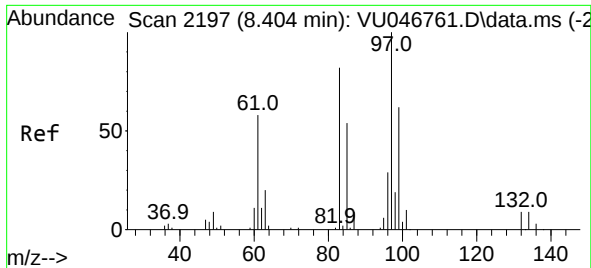
Tgt Ion: 91 Resp: 173292

Ion Ratio Lower Upper

91 100

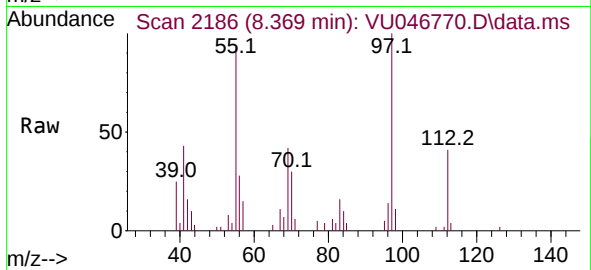
92 59.0 40.4 75.0



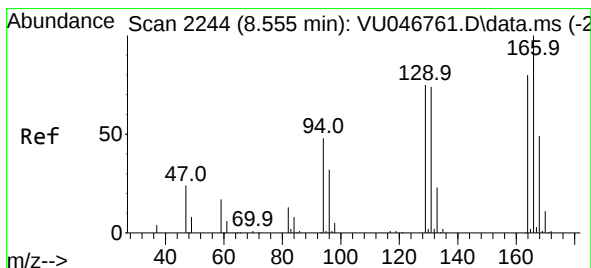
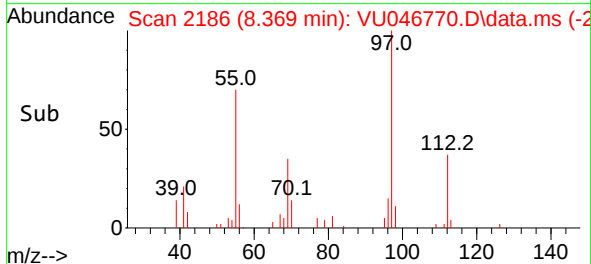
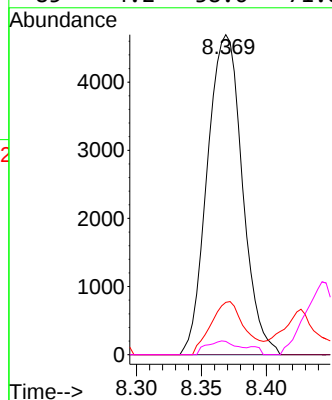


#45
1,1,2-Trichloroethane
Concen: 4.035 ug/L
RT: 8.369 min Scan# 2197
Delta R.T. -0.035 min
Lab File: VU046770.D
Acq: 17 Jan 2022 17:27

Instrument :
MSVOA_U
ClientSampleId :

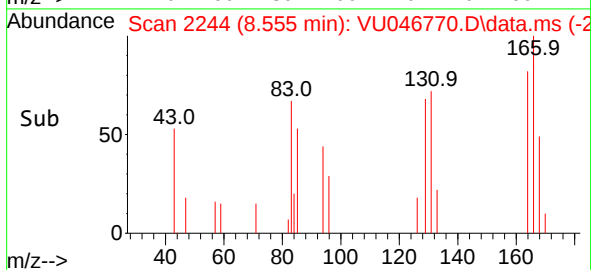
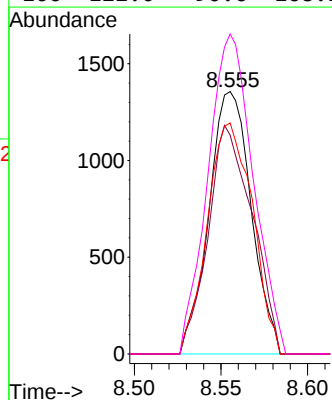
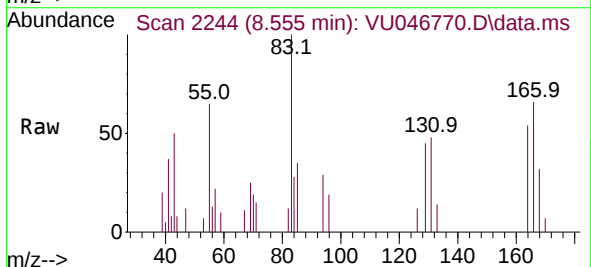


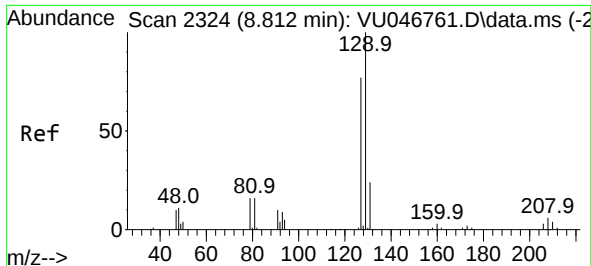
Tgt Ion:	97	Resp:	8810
Ion Ratio	100	Lower	Upper
99	0.0	42.4	78.8#
83	16.3	59.4	110.4#
85	4.2	38.6	71.8#



#46
Tetrachloroethene
Concen: 1.384 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046770.D
Acq: 17 Jan 2022 17:27

Tgt Ion:	164	Resp:	2300
Ion Ratio	100	Lower	Upper
129	83.4	69.5	129.1
131	88.1	67.0	124.4
166	122.0	90.6	168.2

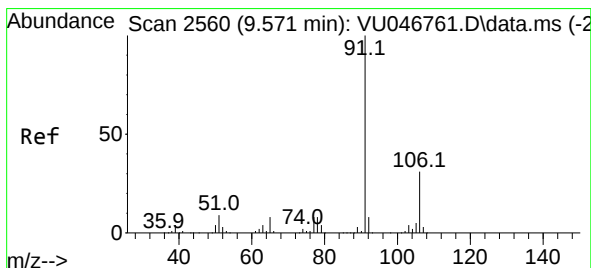
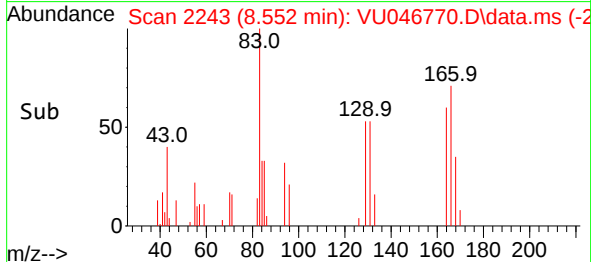
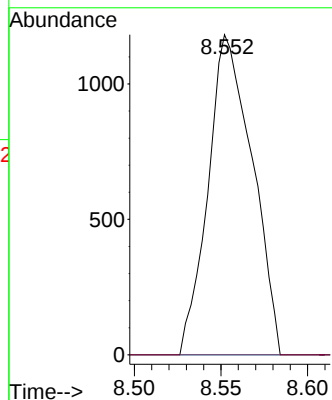
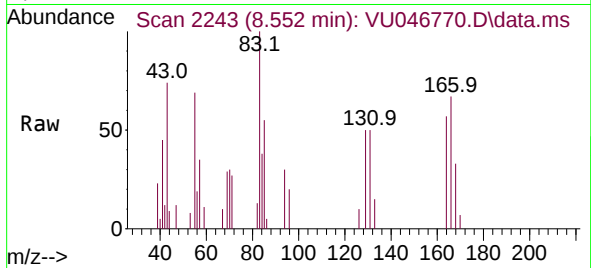




#49
Dibromochloromethane
Concen: 0.873 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.260 min
Lab File: VU046770.D
Acq: 17 Jan 2022 17:27

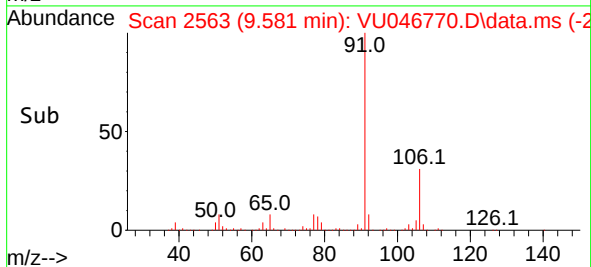
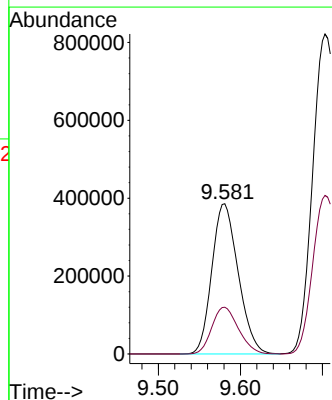
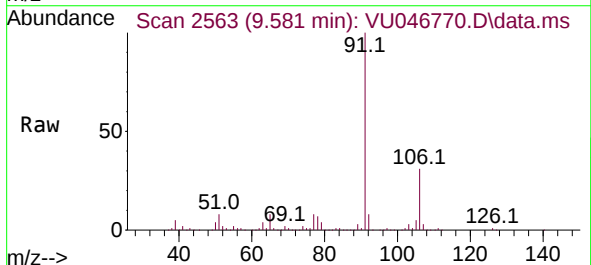
Instrument :
MSVOA_U
ClientSampleId :

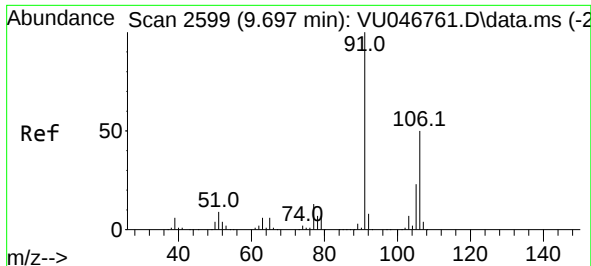
Tgt Ion:129 Resp: 2094
Ion Ratio Lower Upper
129 100
127 0.0 54.5 101.3#



#52
Ethylbenzene
Concen: 92.064 ug/L
RT: 9.581 min Scan# 2563
Delta R.T. 0.010 min
Lab File: VU046770.D
Acq: 17 Jan 2022 17:27

Tgt Ion: 91 Resp: 860123
Ion Ratio Lower Upper
91 100
106 31.1 21.8 40.4

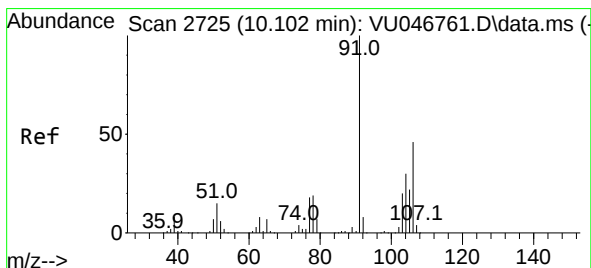
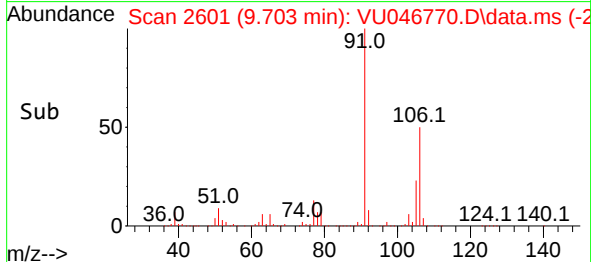
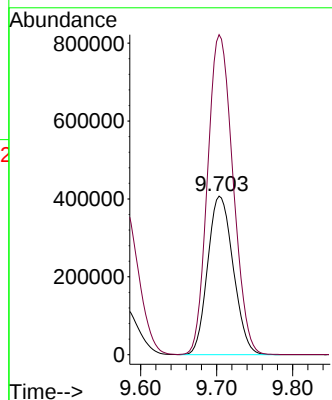
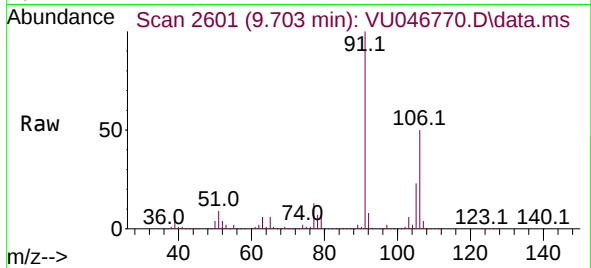




#53
m,p-Xylene
Concen: 263.028 ug/L
RT: 9.703 min Scan# 2599
Delta R.T. 0.007 min
Lab File: VU046770.D
Acq: 17 Jan 2022 17:27

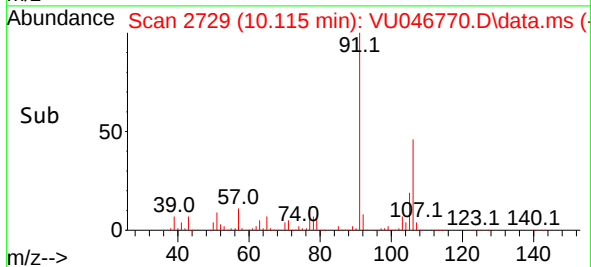
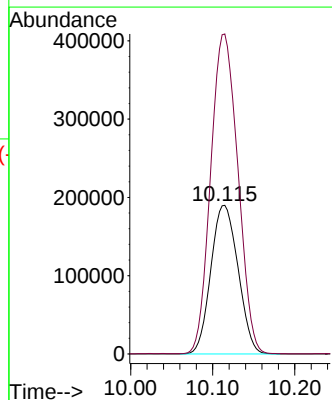
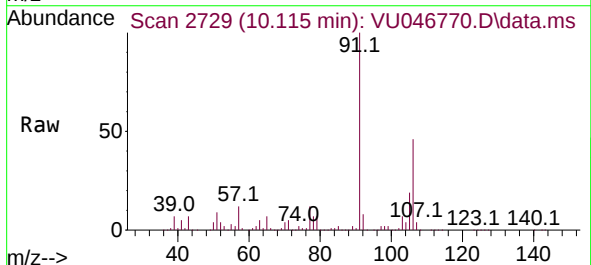
Instrument :
MSVOA_U
ClientSampleId :

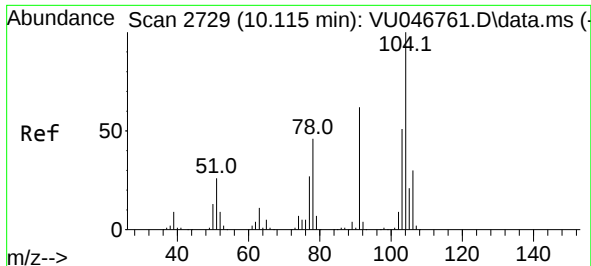
Tgt Ion:106 Resp: 949061
Ion Ratio Lower Upper
106 100
91 201.9 145.5 270.1



#54
o-xylene
Concen: 126.918 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.013 min
Lab File: VU046770.D
Acq: 17 Jan 2022 17:27

Tgt Ion:106 Resp: 437908
Ion Ratio Lower Upper
106 100
91 215.4 152.0 282.2

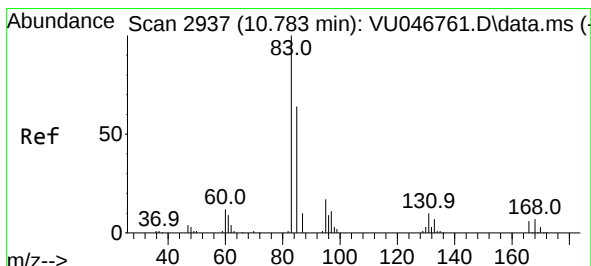
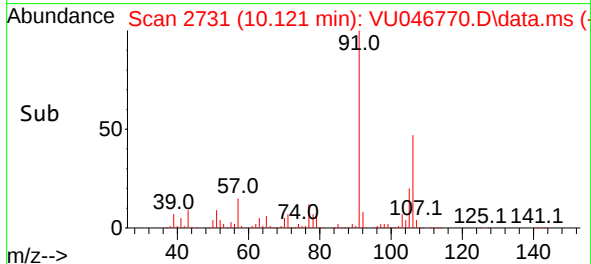
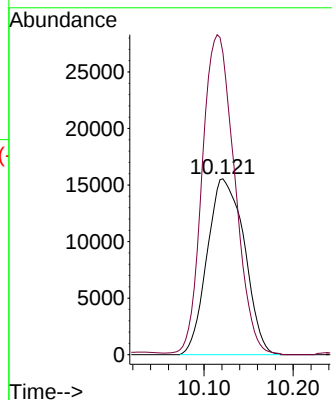
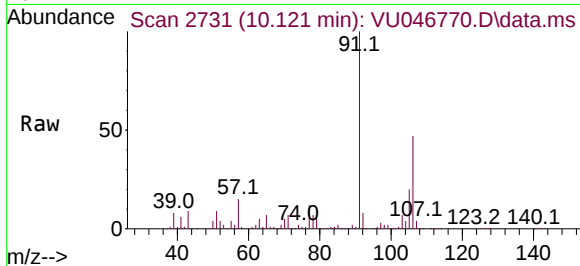




#55
Styrene
Concen: 7.463 ug/L
RT: 10.121 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU046770.D
Acq: 17 Jan 2022 17:27

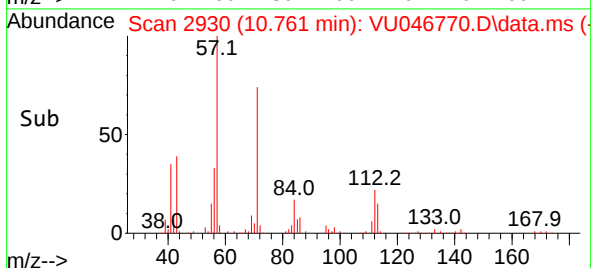
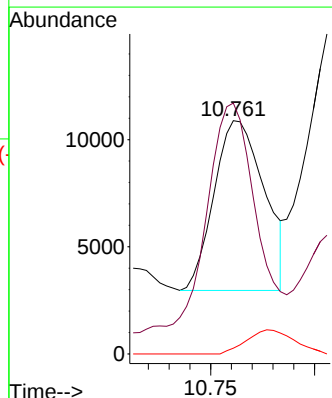
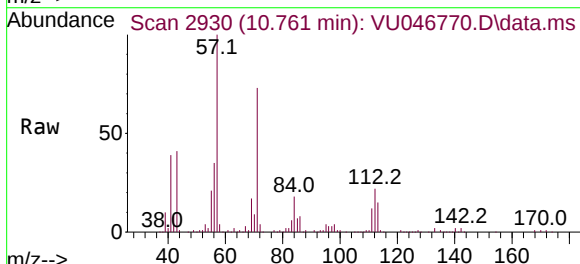
Instrument :
MSVOA_U
ClientSampleId :

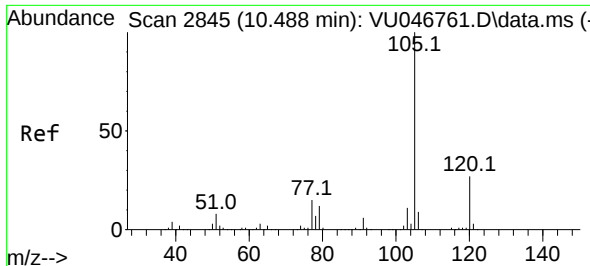
Tgt Ion:104 Resp: 45060
Ion Ratio Lower Upper
104 100
78 171.7 32.6 60.6#



#57
1,1,2,2-Tetrachloroethane
Concen: 3.483 ug/L
RT: 10.761 min Scan# 2930
Delta R.T. -0.022 min
Lab File: VU046770.D
Acq: 17 Jan 2022 17:27

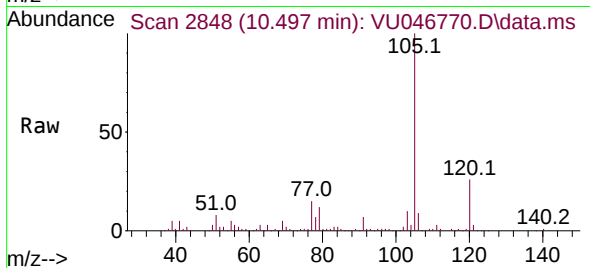
Tgt Ion: 83 Resp: 13299
Ion Ratio Lower Upper
83 100
85 107.6 44.7 83.1#
131 2.4 7.8 11.6#



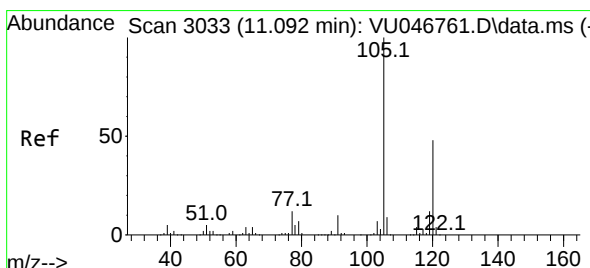
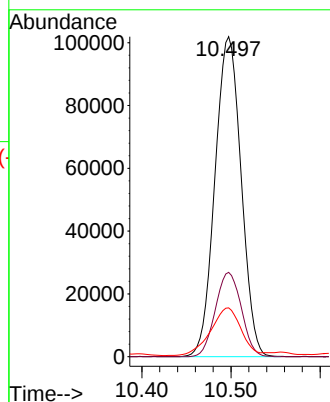
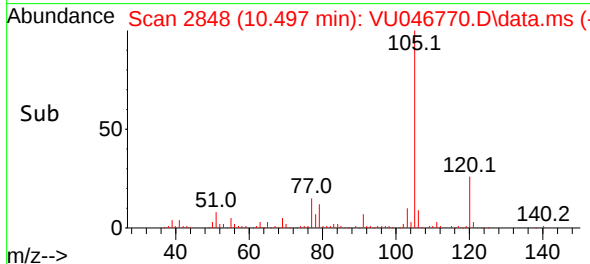


#61
Isopropylbenzene
Concen: 24.192 ug/L
RT: 10.497 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU046770.D
Acq: 17 Jan 2022 17:27

Instrument :
MSVOA_U
ClientSampleId :

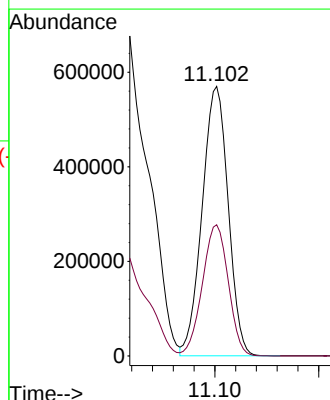
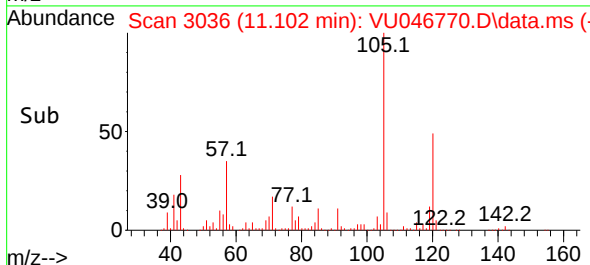
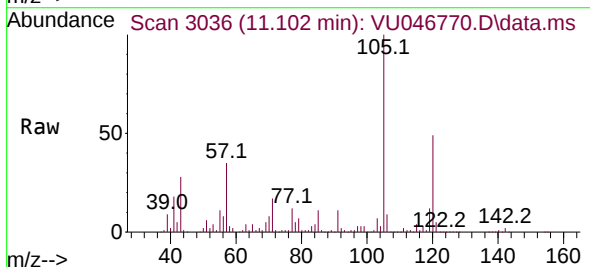


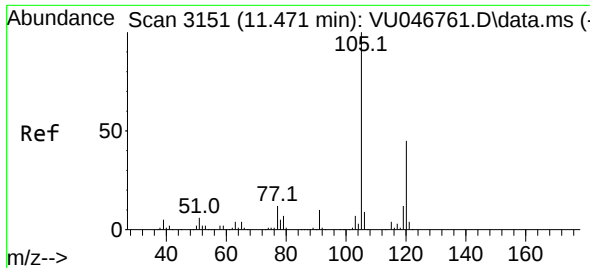
Tgt Ion:105 Resp: 207995
Ion Ratio Lower Upper
105 100
120 26.1 20.6 31.0
77 17.1 12.6 18.8



#62
1,3,5-Trimethylbenzene
Concen: 137.085 ug/L
RT: 11.102 min Scan# 3036
Delta R.T. 0.010 min
Lab File: VU046770.D
Acq: 17 Jan 2022 17:27

Tgt Ion:105 Resp: 990763
Ion Ratio Lower Upper
105 100
120 48.5 38.4 57.6

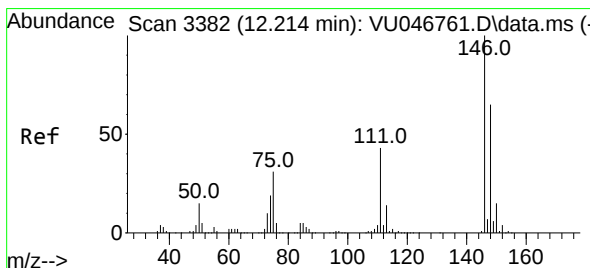
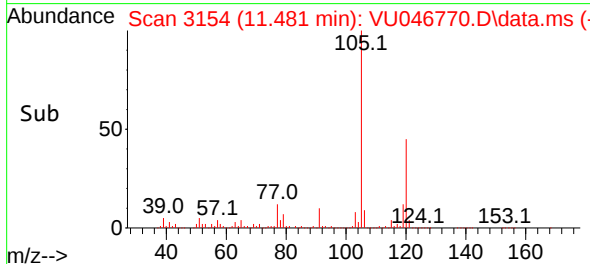
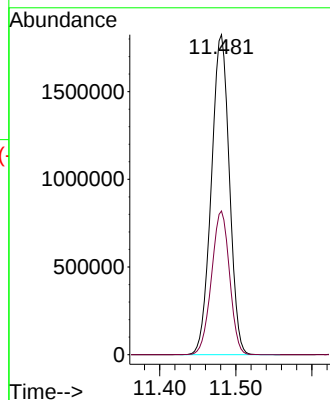
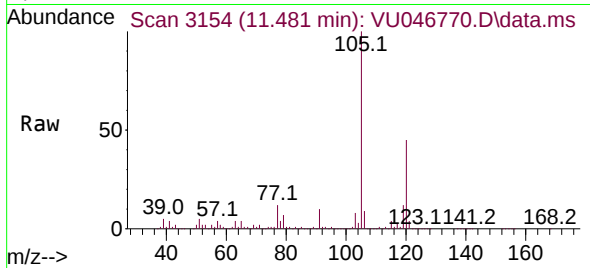




#63
1,2,4-Trimethylbenzene
Concen: 416.419 ug/L
RT: 11.481 min Scan# 3151
Delta R.T. 0.010 min
Lab File: VU046770.D
Acq: 17 Jan 2022 17:27

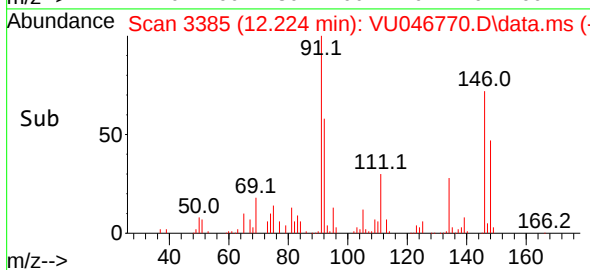
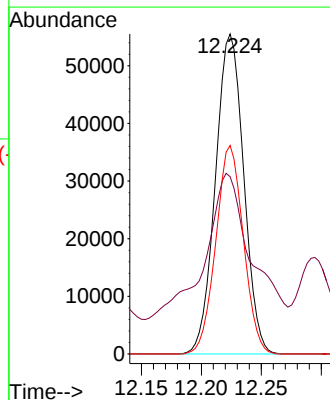
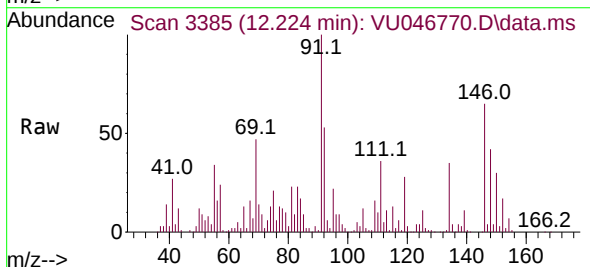
Instrument :
MSVOA_U
ClientSampleId :

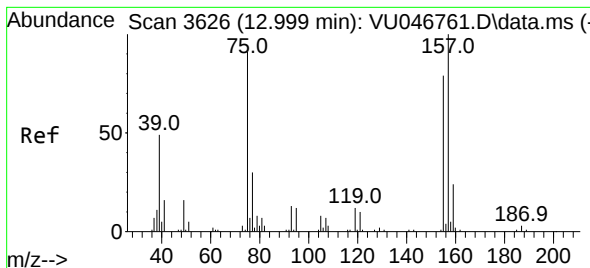
Tgt Ion:105 Resp: 2998726
Ion Ratio Lower Upper
105 100
120 45.0 35.4 53.2



#67
1,2-Dichlorobenzene
Concen: 21.016 ug/L
RT: 12.224 min Scan# 3385
Delta R.T. 0.010 min
Lab File: VU046770.D
Acq: 17 Jan 2022 17:27

Tgt Ion:146 Resp: 91024
Ion Ratio Lower Upper
146 100
111 55.4 34.2 51.4#
148 65.2 51.3 76.9

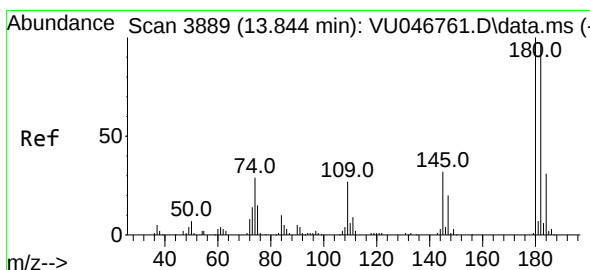
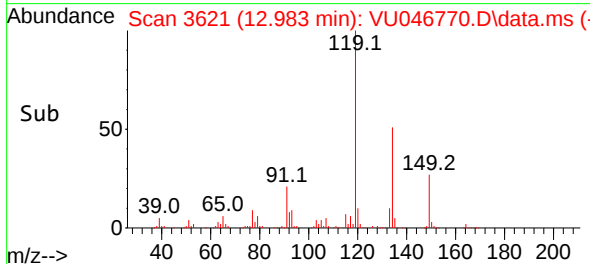
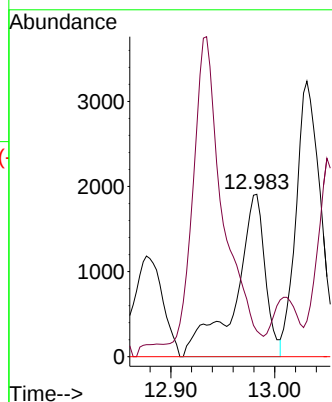
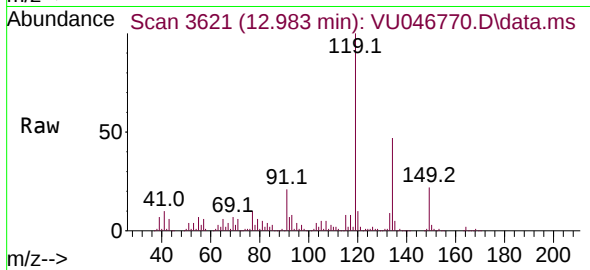




#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.284 ug/L
 RT: 12.983 min Scan# 30
 Delta R.T. -0.016 min
 Lab File: VU046770.D
 Acq: 17 Jan 2022 17:27

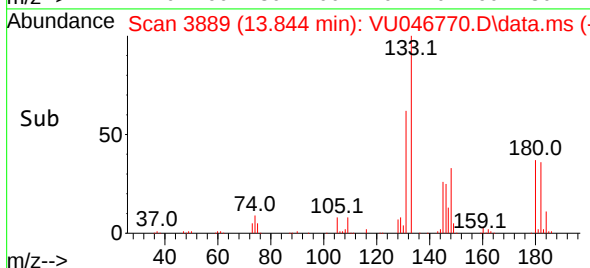
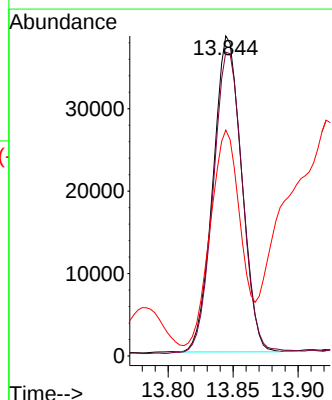
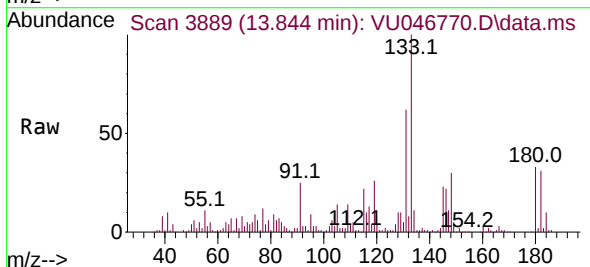
Instrument :
 MSVOA_U
 ClientSampleId :

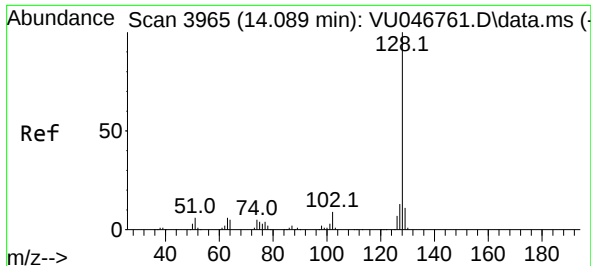
Tgt Ion: 75 Resp: 3798
 Ion Ratio Lower Upper
 75 100
 155 15.9 65.0 97.4#
 157 0.0 79.7 119.5#



#70
 1,2,4-trichlorobenzene
 Concen: 20.808 ug/L
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.000 min
 Lab File: VU046770.D
 Acq: 17 Jan 2022 17:27

Tgt Ion:180 Resp: 58707
 Ion Ratio Lower Upper
 180 100
 182 98.3 76.6 114.8
 145 76.3 25.2 37.8#

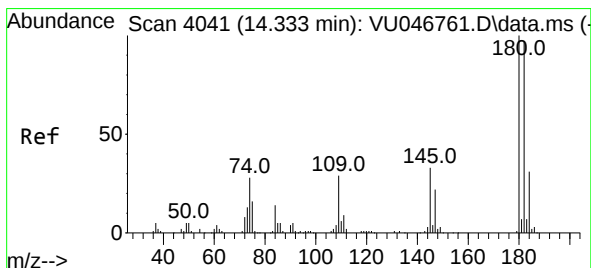
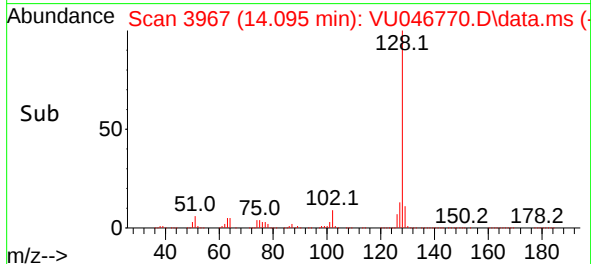
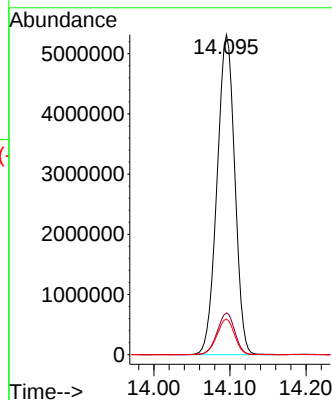
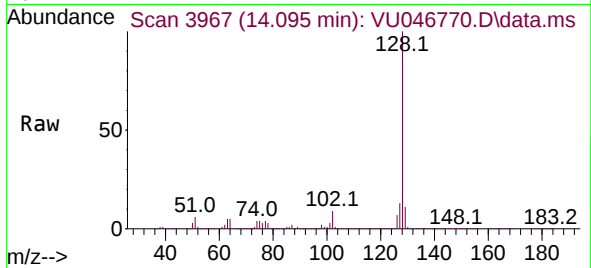




#71
Naphthalene
Concen: 937.250 ug/L
RT: 14.095 min Scan# 3965
Delta R.T. 0.006 min
Lab File: VU046770.D
Acq: 17 Jan 2022 17:27

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 8600446
Ion Ratio Lower Upper
128 100
127 13.0 10.1 15.1
129 11.1 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 3.874 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.000 min
Lab File: VU046770.D
Acq: 17 Jan 2022 17:27

Tgt Ion:180 Resp: 11046
Ion Ratio Lower Upper
180 100
182 79.7 76.6 115.0
145 367.8 27.4 41.2#

