

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070221\
 Data File : VU044297.D
 Acq On : 02 Jul 2021 12:17
 Operator : SY/MD
 Sample : M2905-21DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 03 04:58:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 03 04:56:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	131388	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	124635	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	68147	5.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	27431	3.856	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.200%
7) Chloroethane-d5	1.919	69	32518	4.642	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.800%
11) 1,1-Dichloroethene-d2	2.575	65	15404	4.219	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.400%
20) 2-Butanone-d5	4.642	46	123436	47.121	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.240%
24) Chloroform-d	5.073	84	77351	4.830	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	5.713	65	44418	4.640	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
32) Benzene-d6	5.735	84	153791	4.968	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
36) 1,2-Dichloropropane-d6	6.700	67	50866	5.070	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.400%
41) Toluene-d8	7.906	98	142779	4.971	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
43) trans-1,3-Dichloroprop...	8.189	79	20809	4.472	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.400%
46) 2-Hexanone-d5	8.642	63	118697	53.557	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.120%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	43964	4.930	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.600%
66) 1,2-Dichlorobenzene-d4	12.201	152	60243	5.365	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	838	0.094	ug/L	89
5) Vinyl chloride	1.607	62	6149	0.662	ug/L #	1
6) Bromomethane	1.867	94	389	0.065	ug/L	87
8) Chloroethane	1.977	64	1239	0.196	ug/L #	52
13) Acetone	2.662	43	3072	2.623	ug/L #	48
14) Carbon disulfide	2.803	76	1674	0.072	ug/L #	74
15) Methyl Acetate	2.964	43	492	0.150	ug/L #	53
16) Methylene chloride	3.057	84	4638	0.454	ug/L	98
18) trans-1,2-Dichloroethene	3.362	96	1760	0.218	ug/L	93
19) 1,1-Dichloroethane	3.880	63	16204	1.052	ug/L	98
21) 2-Butanone	4.456	43	69301	26.044	ug/L #	1
22) cis-1,2-Dichloroethene	4.681	96	1604	0.182	ug/L	97
27) 1,2-Dichloroethane	5.796	62	1257	0.115	ug/L #	76
30) Cyclohexane	5.391	56	1752	0.121	ug/L #	92
33) Benzene	5.784	78	63078	1.929	ug/L	100
35) Methylcyclohexane	6.771	83	1584	0.108	ug/L	95
37) 1,2-Dichloropropane	6.800	63	3533	0.409	ug/L #	87
39) cis-1,3-Dichloropropene	7.574	75	1438	0.101	ug/L #	56
42) Toluene	7.976	91	18120	0.503	ug/L	97

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

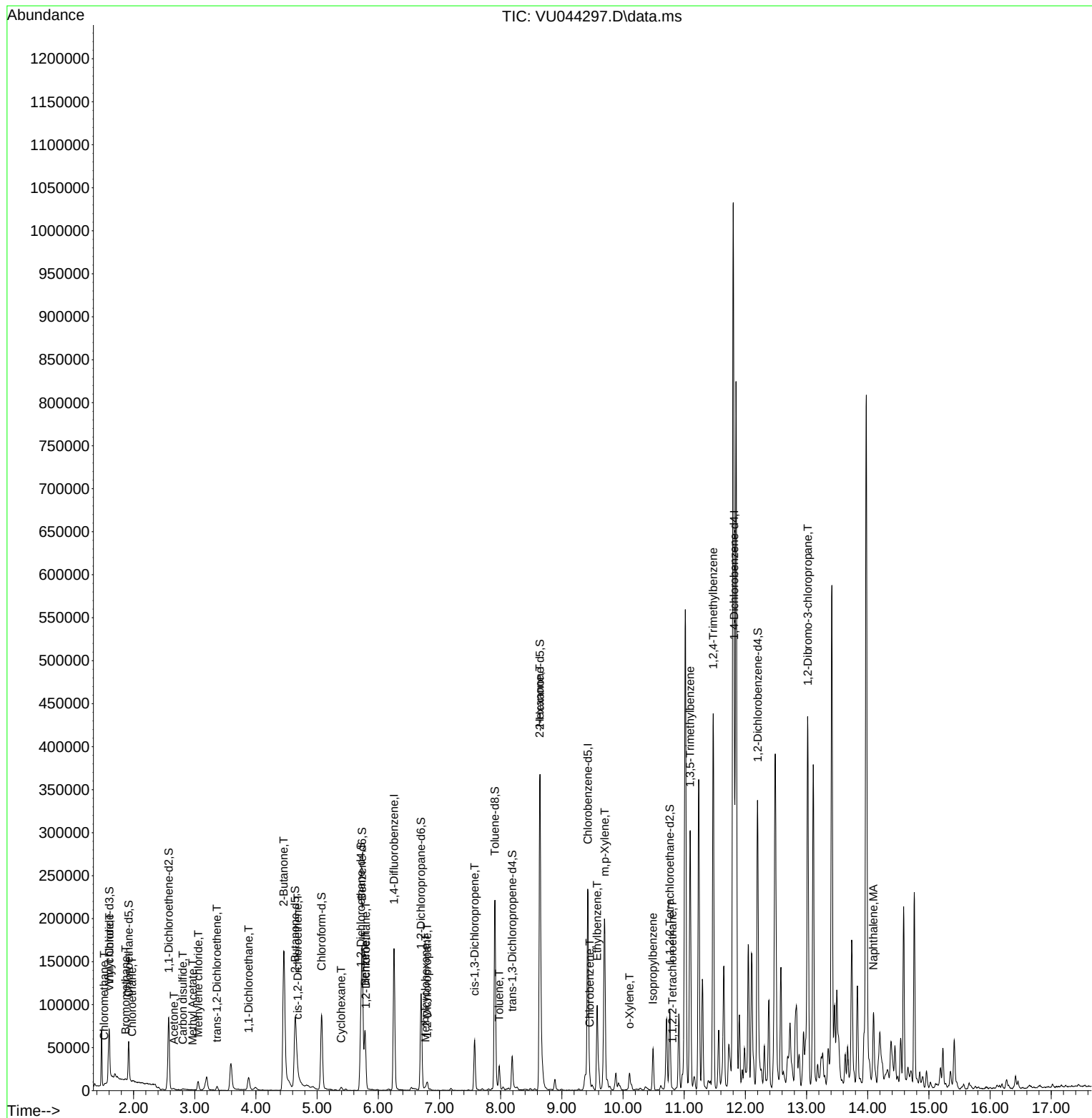
48) 2-Hexanone	8.639	43	83877	17.153	ug/L #	42
51) Chlorobenzene	9.455	112	6152	0.267	ug/L	98
52) Ethylbenzene	9.578	91	67636	1.627	ug/L	100
53) m,p-Xylene	9.700	106	47848	3.040	ug/L	100
54) o-Xylene	10.105	106	4878	0.319	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.806	83	1239	0.144	ug/L #	50
60) Isopropylbenzene	10.491	105	30007	0.724	ug/L	100
62) 1,3,5-Trimethylbenzene	11.095	105	116442	3.225	ug/L	98
63) 1,2,4-Trimethylbenzene	11.475	105	230945	6.254	ug/L	99
68) 1,2-Dibromo-3-chloropr...	13.021	75	1083	0.674	ug/L #	1
71) Naphthalene	14.092	128	55079	2.520	ug/L	98

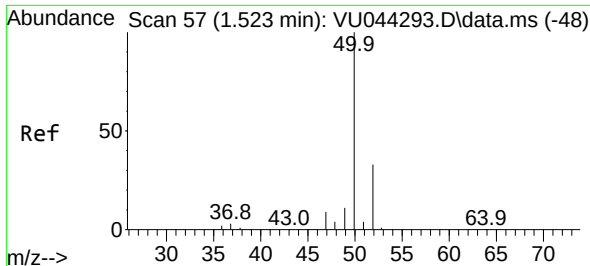
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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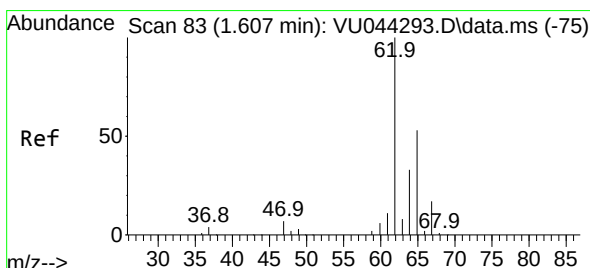
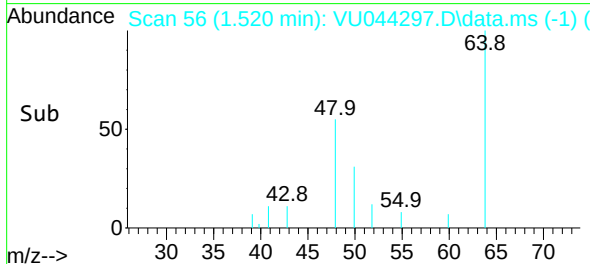
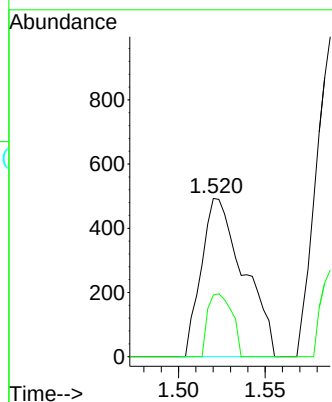
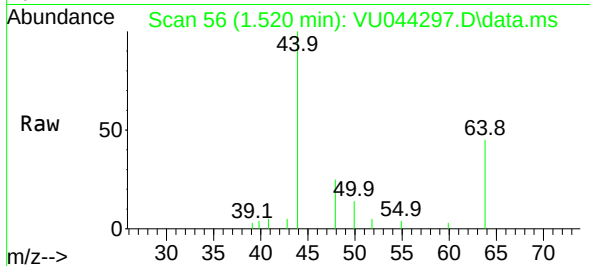




#3
Chloromethane
Concen: 0.094 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

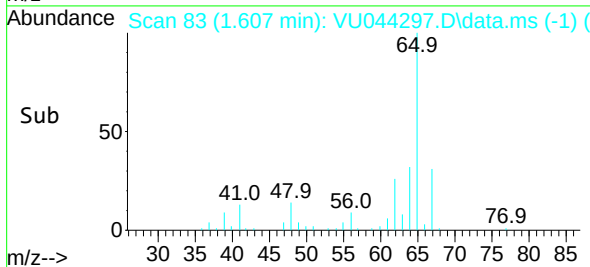
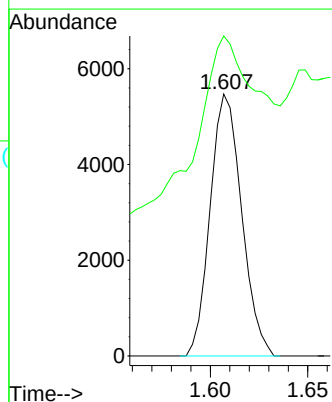
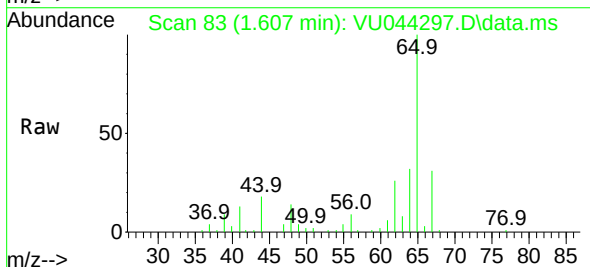
Instrument :
MSVOA_U
ClientSampled :

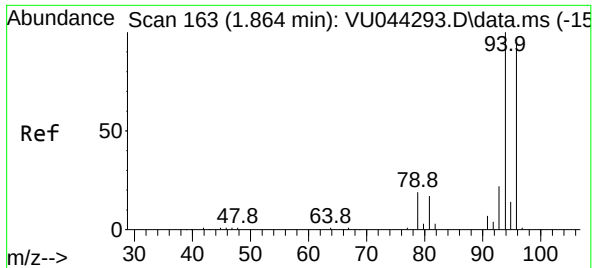
Tgt Ion: 50 Resp: 838
Ion Ratio Lower Upper
50 100
52 38.9 23.1 42.9



#5
Vinyl chloride
Concen: 0.662 ug/L
RT: 1.607 min Scan# 83
Delta R.T. -0.000 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

Tgt Ion: 62 Resp: 6149
Ion Ratio Lower Upper
62 100
64 122.1 23.7 44.1#

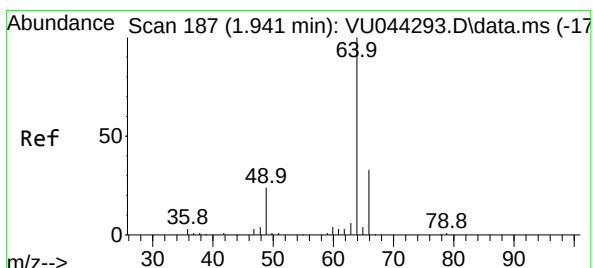
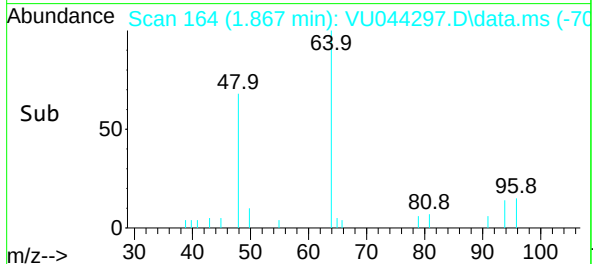
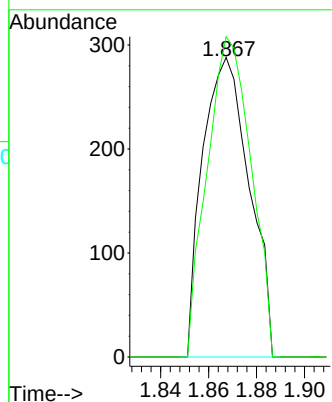
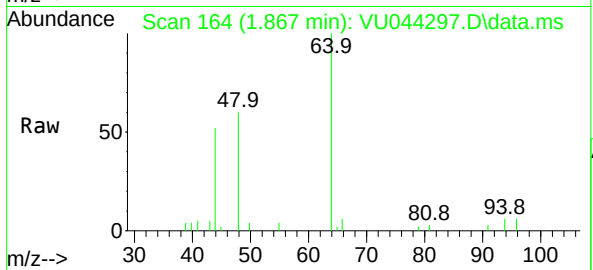




#6
Bromomethane
Concen: 0.065 ug/L
RT: 1.867 min Scan# 164
Delta R.T. 0.003 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

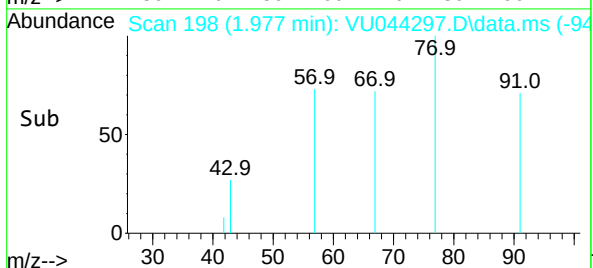
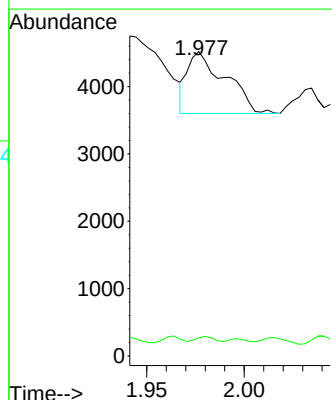
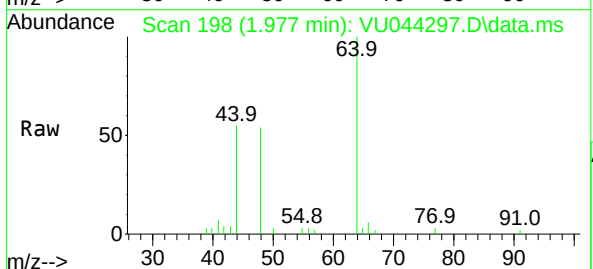
Instrument :
MSVOA_U
ClientSampled :

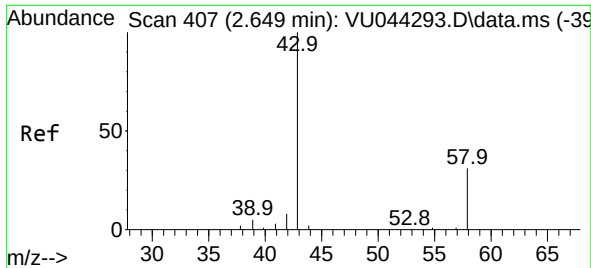
Tgt Ion: 94 Resp: 389
Ion Ratio Lower Upper
94 100
96 106.9 65.8 122.2



#8
Chloroethane
Concen: 0.196 ug/L
RT: 1.977 min Scan# 198
Delta R.T. 0.035 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

Tgt Ion: 64 Resp: 1239
Ion Ratio Lower Upper
64 100
66 5.7 22.7 42.3#

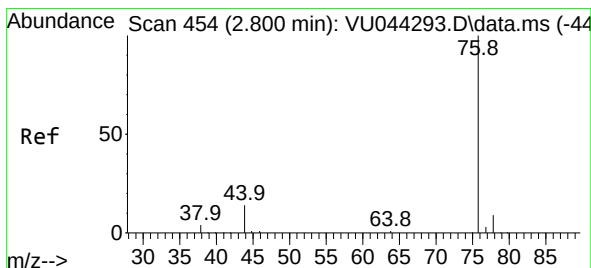
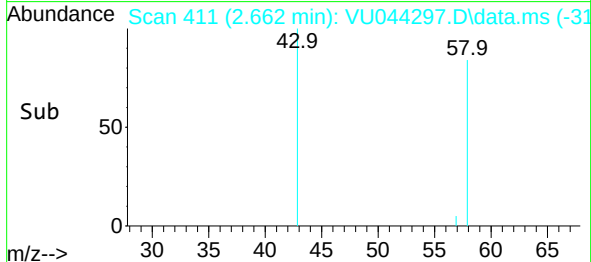
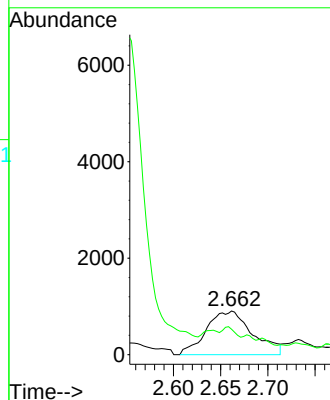
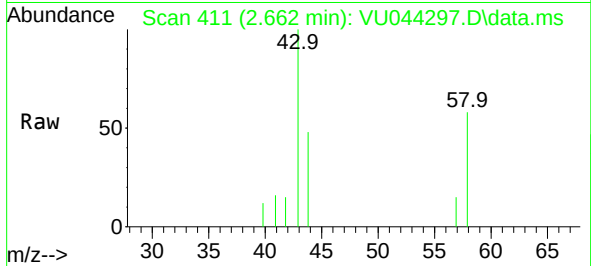




#13
Acetone
Concen: 2.623 ug/L
RT: 2.662 min Scan# 411
Delta R.T. 0.013 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

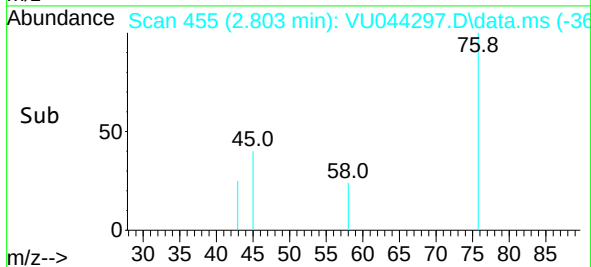
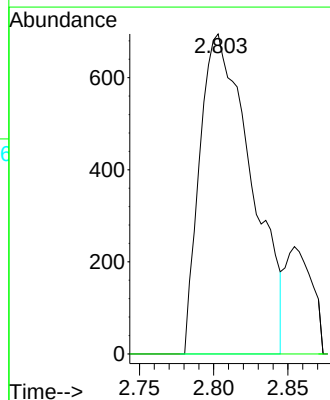
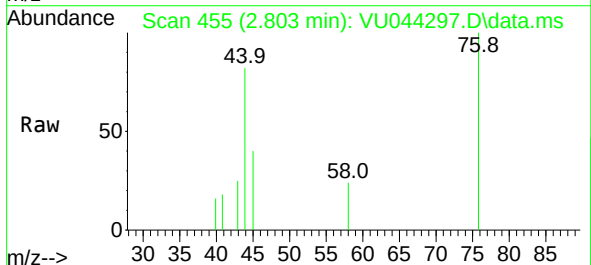
Instrument :
MSVOA_U
ClientSampleId :

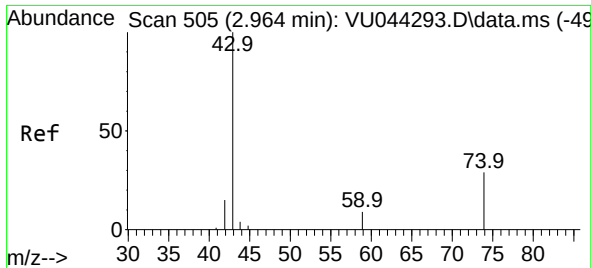
Tgt Ion: 43 Resp: 3072
Ion Ratio Lower Upper
43 100
58 0.0 0.0 53.8



#14
Carbon disulfide
Concen: 0.072 ug/L
RT: 2.803 min Scan# 455
Delta R.T. 0.003 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

Tgt Ion: 76 Resp: 1674
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#

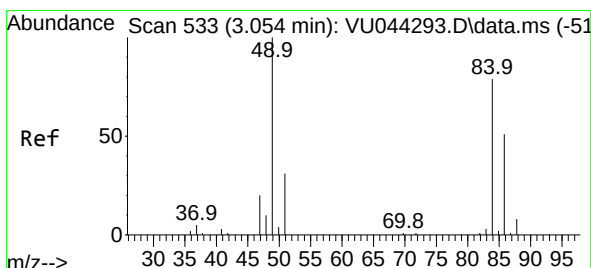
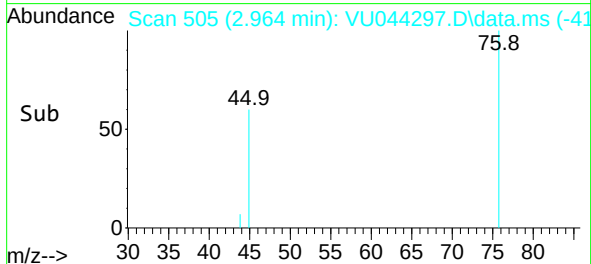
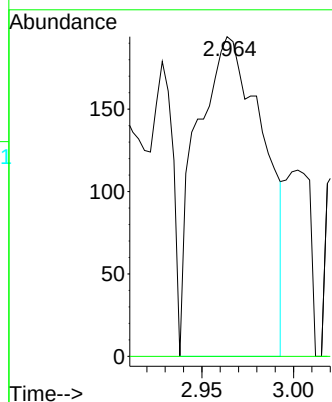
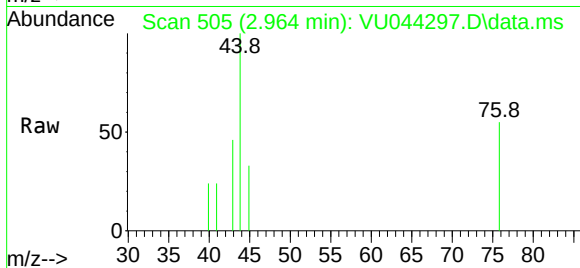




#15
Methyl Acetate
Concen: 0.150 ug/L
RT: 2.964 min Scan# 505
Delta R.T. -0.000 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

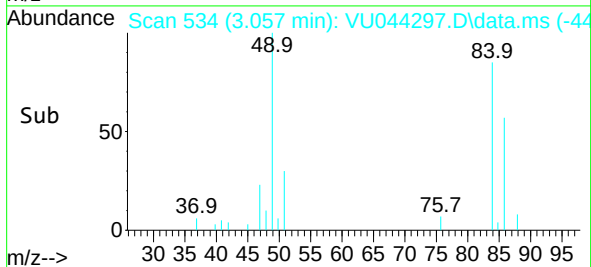
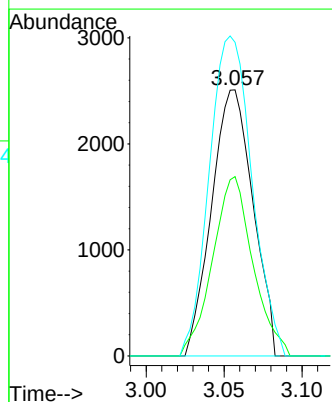
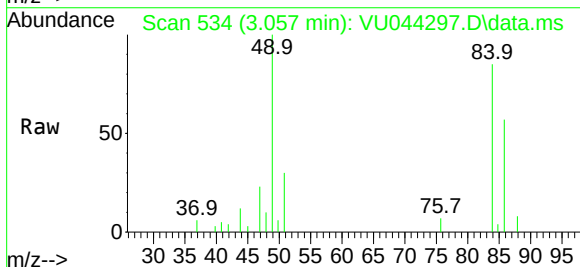
Instrument :
MSVOA_U
ClientSampled :

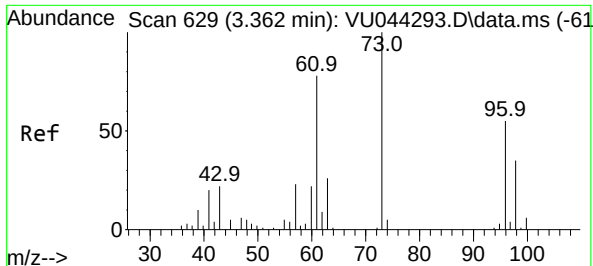
Tgt Ion: 43 Resp: 492
Ion Ratio Lower Upper
43 100
74 0.0 18.4 27.6#



#16
Methylene chloride
Concen: 0.454 ug/L
RT: 3.057 min Scan# 534
Delta R.T. 0.003 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

Tgt Ion: 84 Resp: 4638
Ion Ratio Lower Upper
84 100
86 67.4 46.1 85.5
49 124.5 88.4 164.2



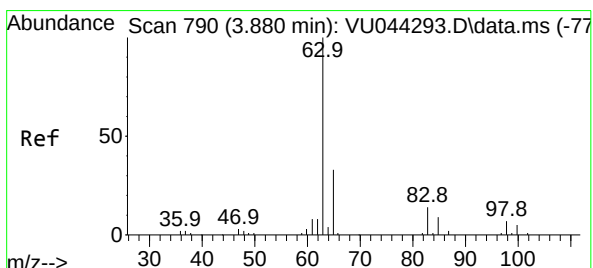
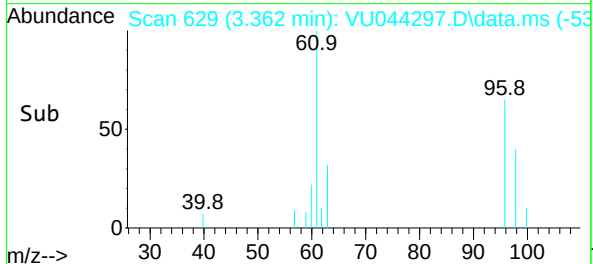
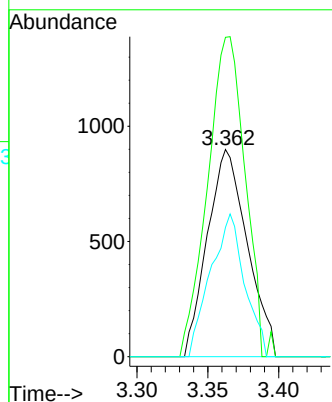
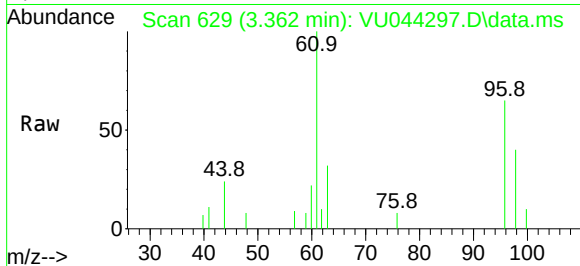


#18
trans-1,2-Dichloroethene
Concen: 0.218 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.000 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 96 Resp: 1760

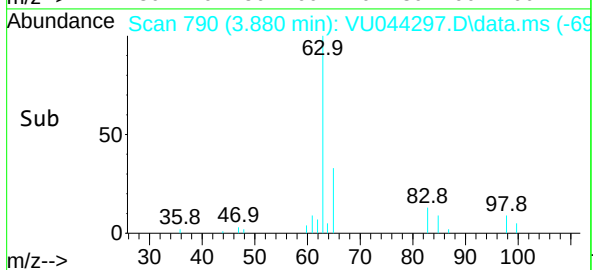
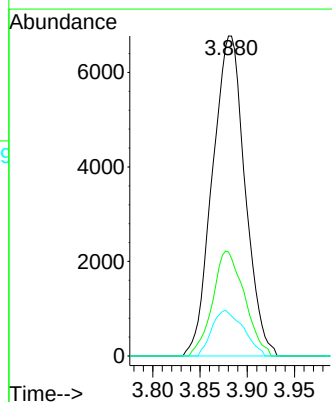
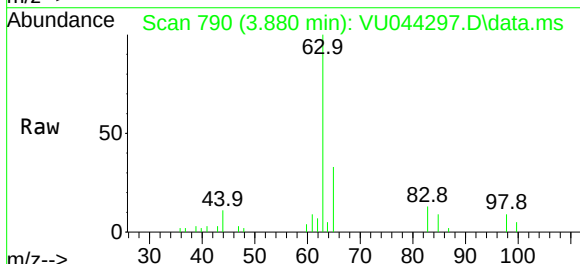
Ion	Ratio	Lower	Upper
96	100		
61	154.2	100.2	186.2
98	62.4	44.9	83.5

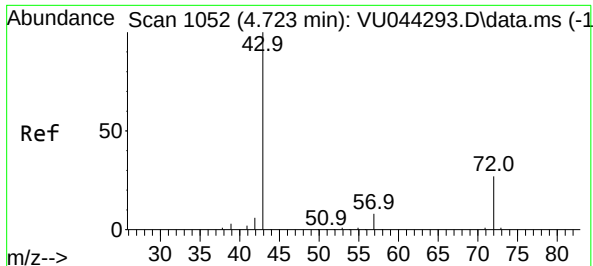


#19
1,1-Dichloroethane
Concen: 1.052 ug/L
RT: 3.880 min Scan# 790
Delta R.T. -0.000 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

Tgt Ion: 63 Resp: 16204

Ion	Ratio	Lower	Upper
63	100		
65	31.0	22.3	41.3
83	12.8	9.9	18.5





#21

2-Butanone

Concen: 26.044 ug/L

RT: 4.456 min Scan# 969

Delta R.T. -0.267 min

Lab File: VU044297.D

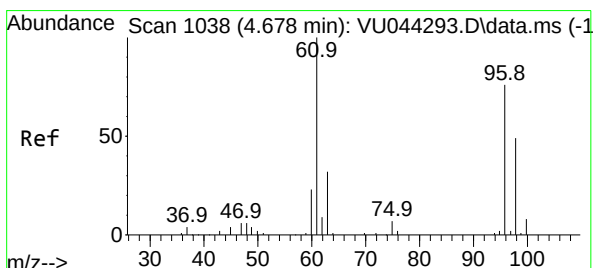
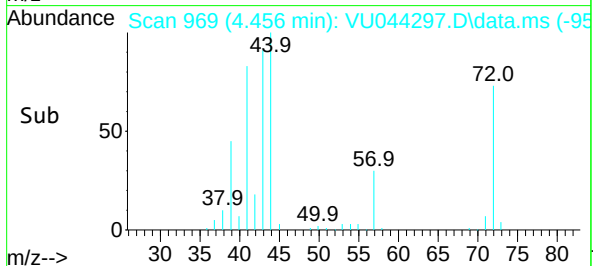
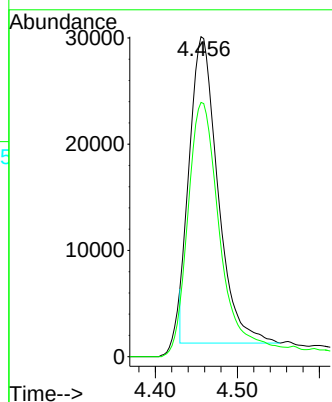
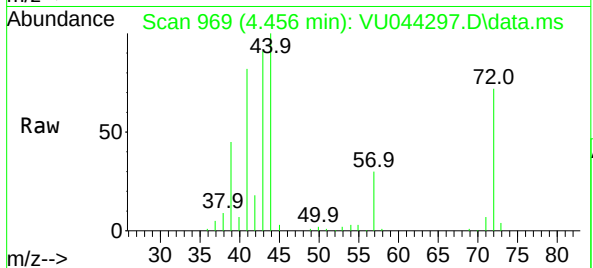
Acq: 02 Jul 2021 12:17

Tgt Ion: 43 Resp: 69301

Ion Ratio Lower Upper

43 100

72 82.5 13.4 40.1#



#22

cis-1,2-Dichloroethene

Concen: 0.182 ug/L

RT: 4.681 min Scan# 1039

Delta R.T. 0.003 min

Lab File: VU044297.D

Acq: 02 Jul 2021 12:17

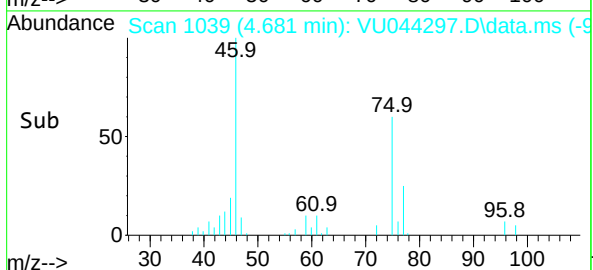
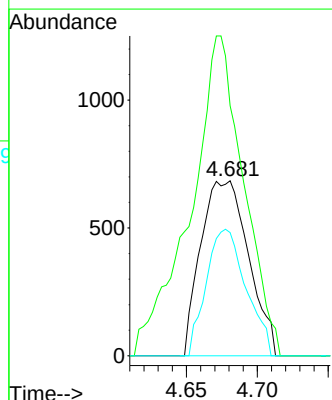
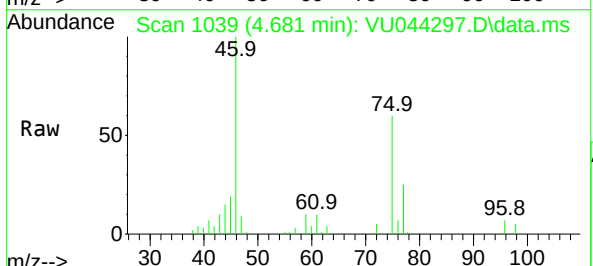
Tgt Ion: 96 Resp: 1604

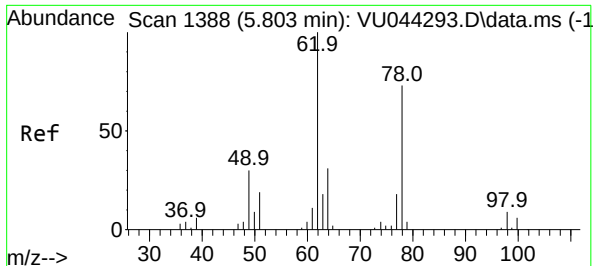
Ion Ratio Lower Upper

96 100

61 142.8 98.8 183.6

98 70.4 44.8 83.2





#27

1,2-Dichloroethane

Concen: 0.115 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.006 min

Lab File: VU044297.D

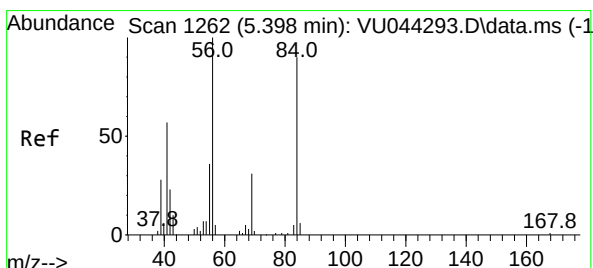
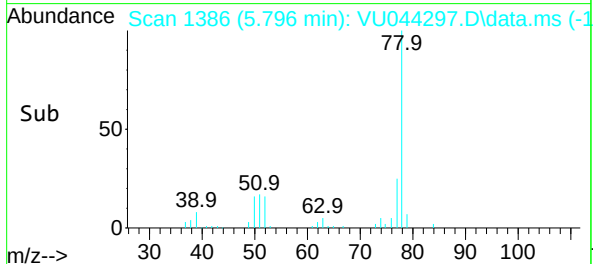
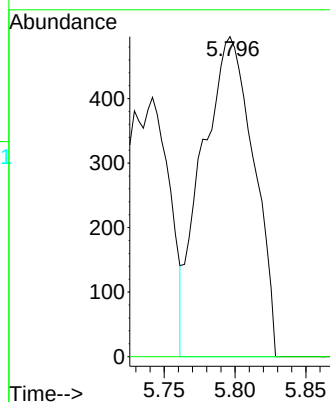
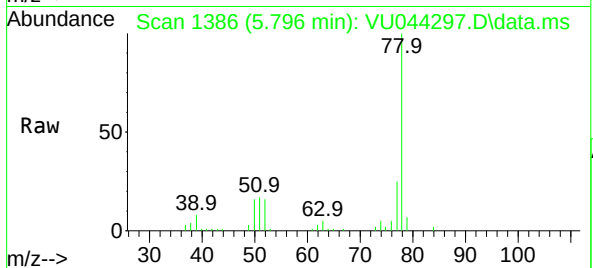
Acq: 02 Jul 2021 12:17

Tgt Ion: 62 Resp: 1257

Ion Ratio Lower Upper

62 100

98 0.0 6.8 10.2#



#30

Cyclohexane

Concen: 0.121 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.006 min

Lab File: VU044297.D

Acq: 02 Jul 2021 12:17

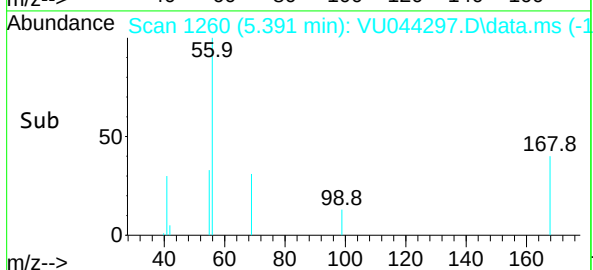
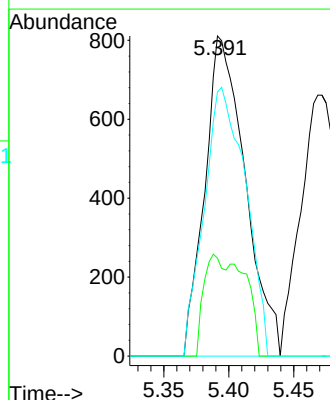
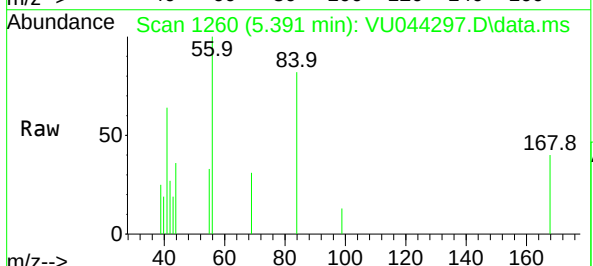
Tgt Ion: 56 Resp: 1752

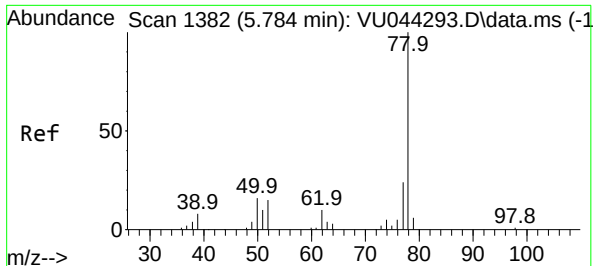
Ion Ratio Lower Upper

56 100

69 16.7 24.8 37.2#

84 86.1 67.8 101.8

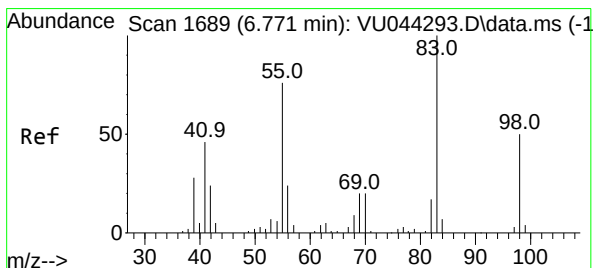
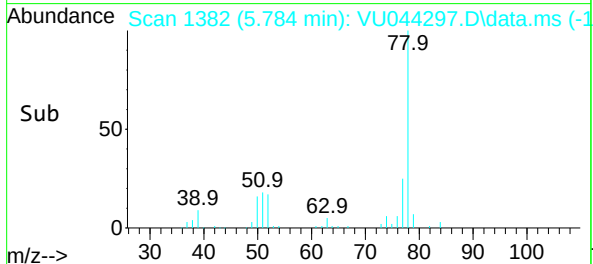
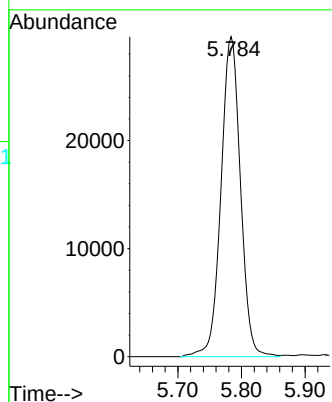
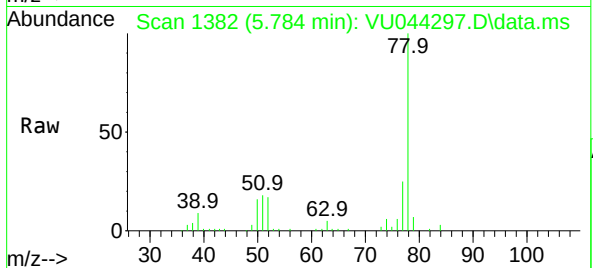




#33
Benzene
Concen: 1.929 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

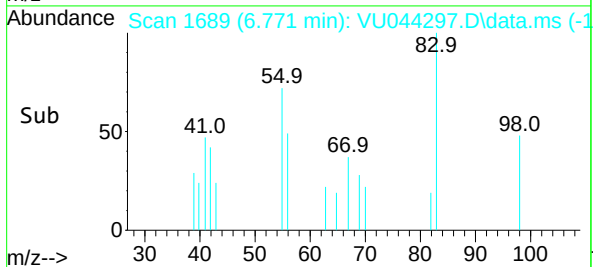
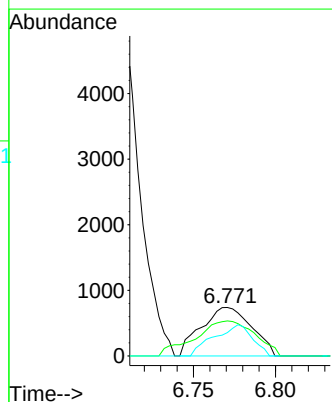
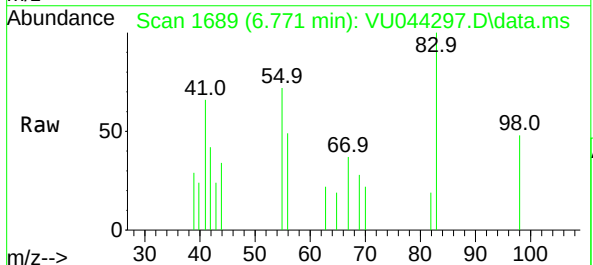
Instrument :
MSVOA_U
ClientSampled :

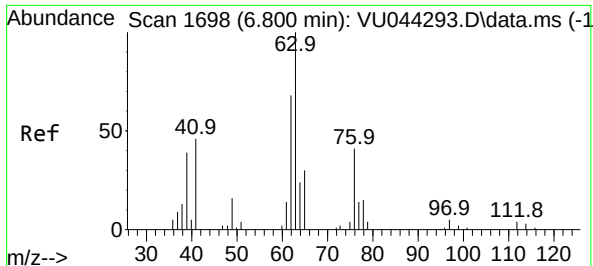
Tgt Ion: 78 Resp: 63078



#35
Methylcyclohexane
Concen: 0.108 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

Tgt Ion: 83 Resp: 1584
Ion Ratio Lower Upper
83 100
55 85.7 63.4 95.0
98 48.9 39.4 59.0



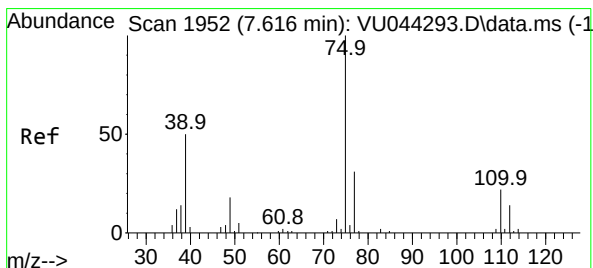
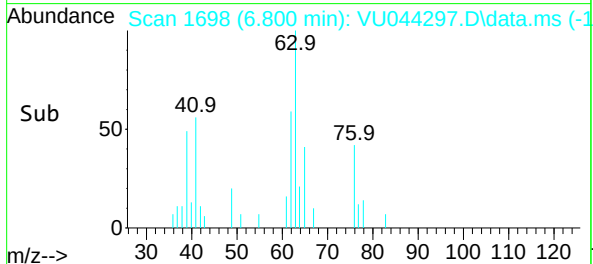
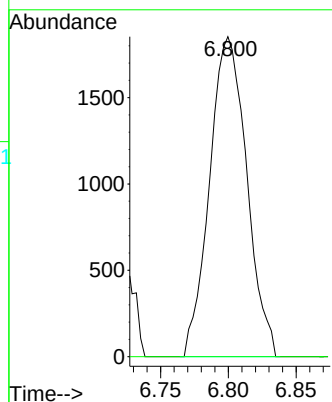
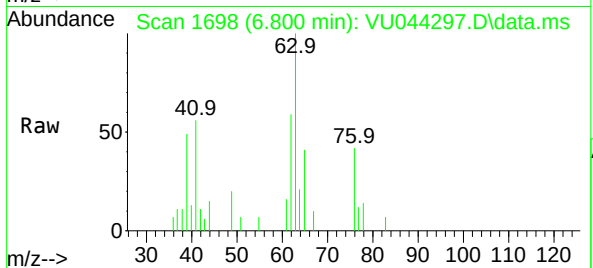


#37

1,2-Dichloropropane
Concen: 0.409 ug/L
RT: 6.800 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

Instrument :
MSVOA_U
ClientSampled :

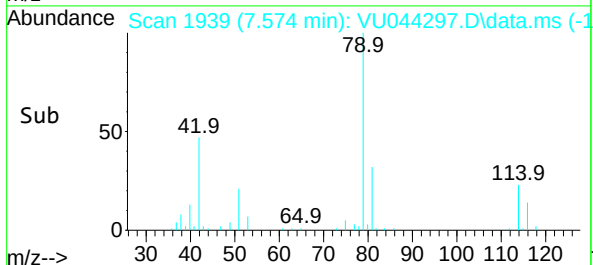
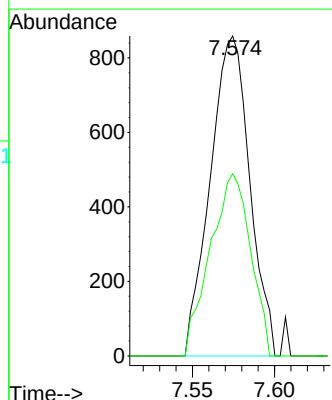
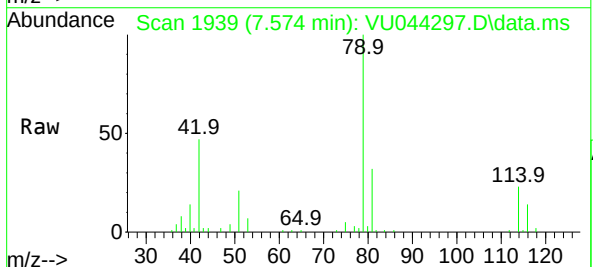
Tgt Ion: 63 Resp: 3533
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

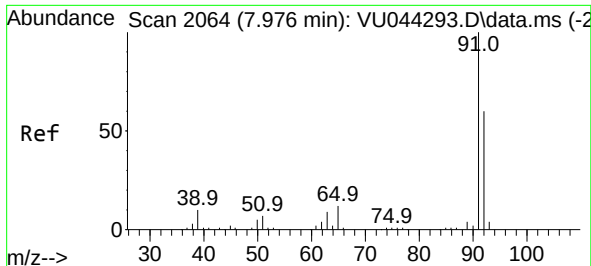


#39

cis-1,3-Dichloropropene
Concen: 0.101 ug/L
RT: 7.574 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

Tgt Ion: 75 Resp: 1438
Ion Ratio Lower Upper
75 100
77 56.9 22.5 41.7#

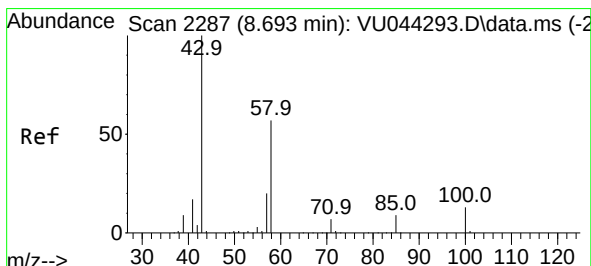
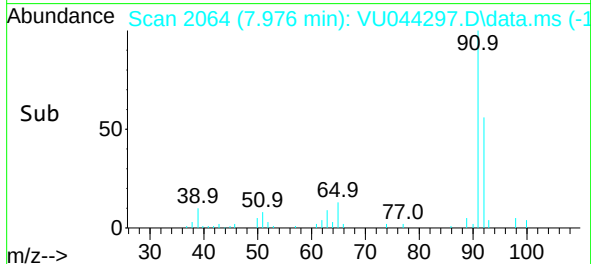
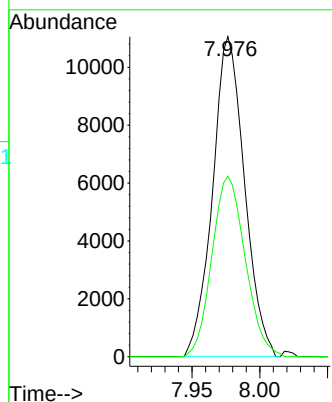
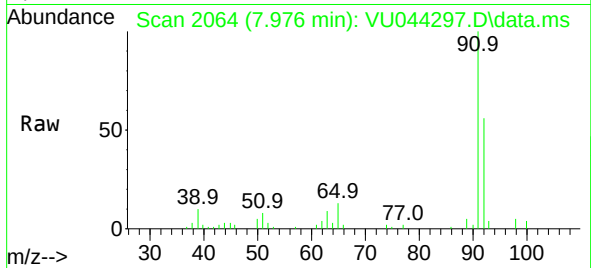




#42
Toluene
Concen: 0.503 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

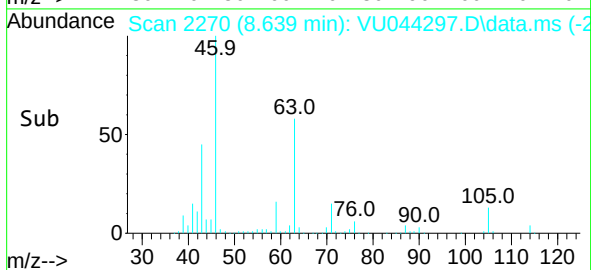
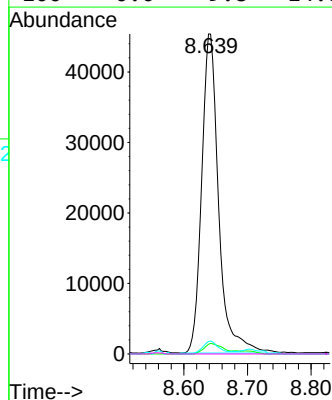
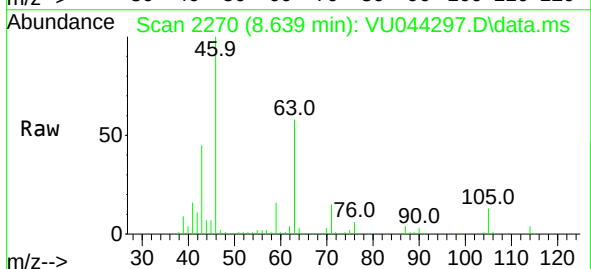
Instrument :
MSVOA_U
ClientSampled :

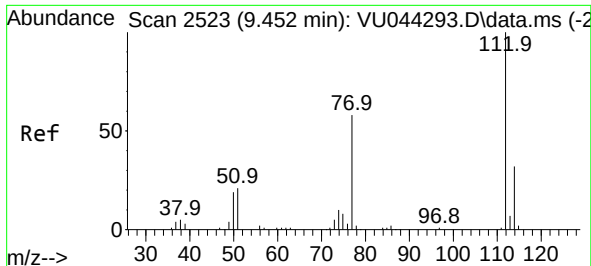
Tgt Ion: 91 Resp: 18120
Ion Ratio Lower Upper
91 100
92 56.4 41.2 76.6



#48
2-Hexanone
Concen: 17.153 ug/L
RT: 8.639 min Scan# 2270
Delta R.T. -0.055 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

Tgt Ion: 43 Resp: 83877
Ion Ratio Lower Upper
43 100
58 3.6 44.7 67.1#
57 3.8 15.7 23.5#
100 0.0 9.8 14.8#

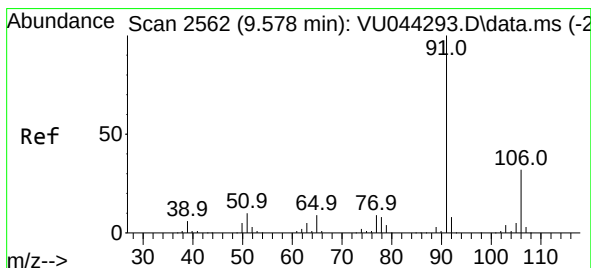
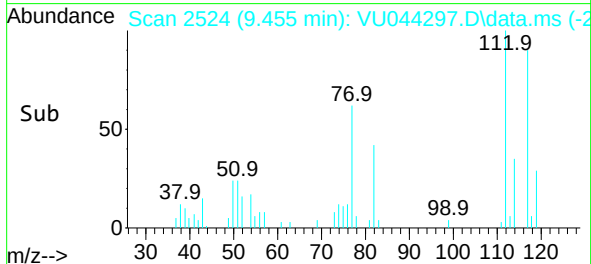
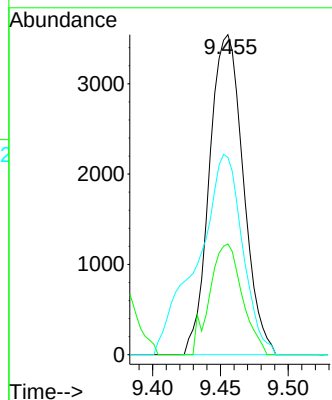
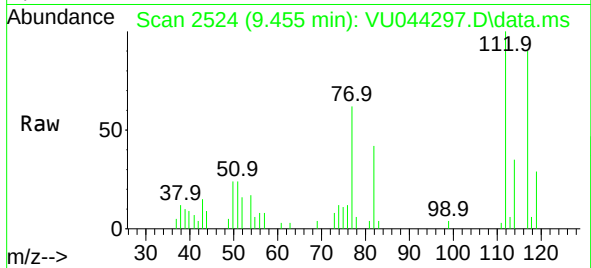




#51
Chlorobenzene
Concen: 0.267 ug/L
RT: 9.455 min Scan# 2524
Delta R.T. 0.003 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

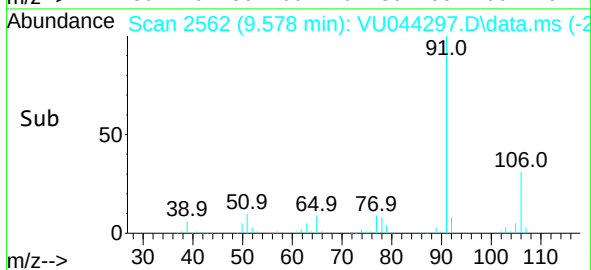
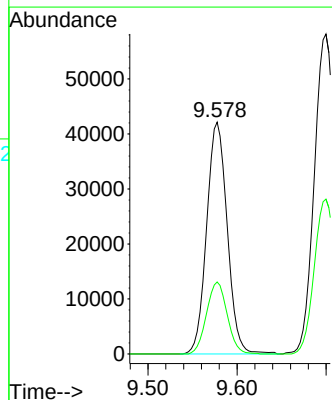
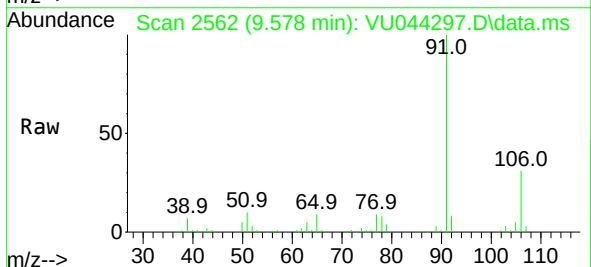
Instrument :
MSVOA_U
ClientSampleId :

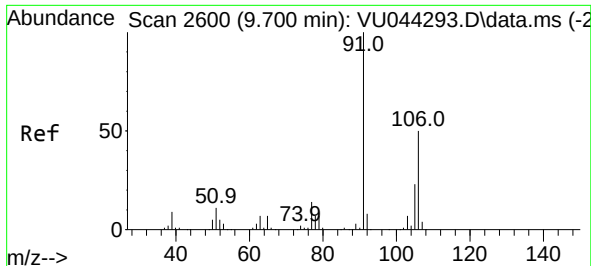
Tgt Ion:112 Resp: 6152
Ion Ratio Lower Upper
112 100
114 34.6 22.0 41.0
77 61.7 48.9 73.3



#52
Ethylbenzene
Concen: 1.627 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. -0.000 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

Tgt Ion: 91 Resp: 67636
Ion Ratio Lower Upper
91 100
106 31.0 21.6 40.2

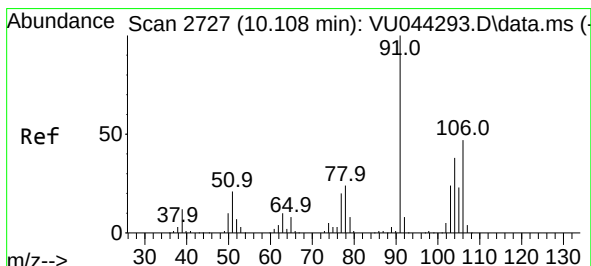
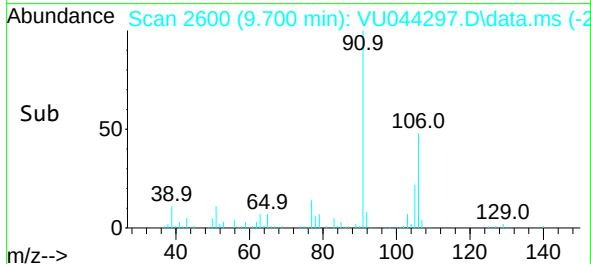
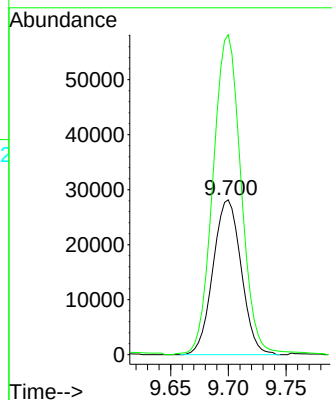
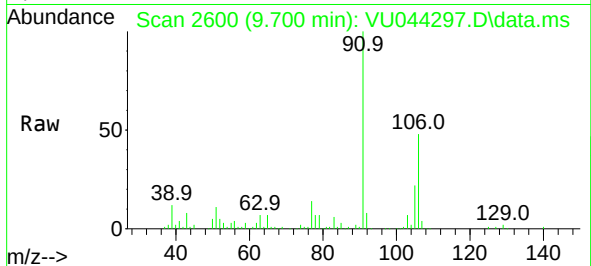




#53
m,p-Xylene
Concen: 3.040 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. -0.000 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

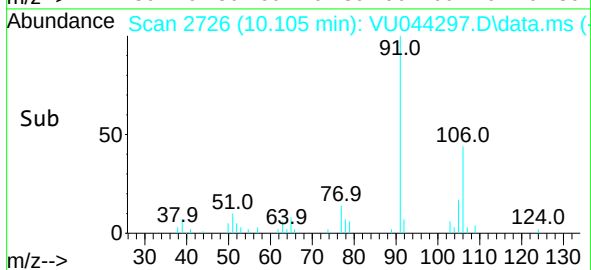
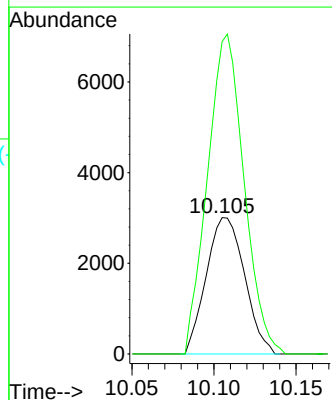
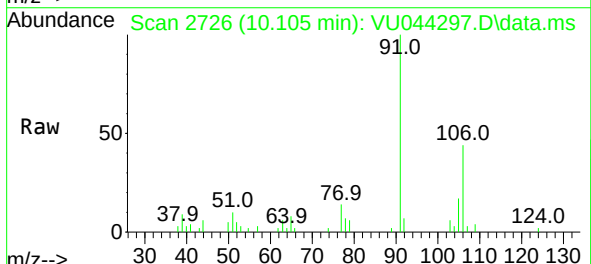
Instrument :
MSVOA_U
ClientSampled :

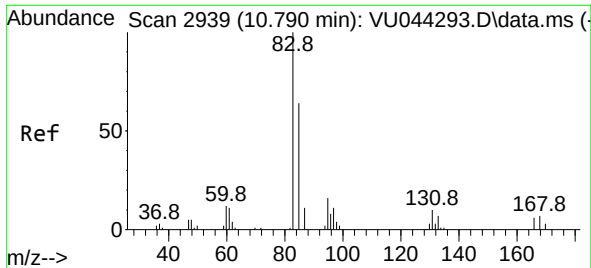
Tgt Ion:106 Resp: 47848
Ion Ratio Lower Upper
106 100
91 206.6 144.8 269.0



#54
o-Xylene
Concen: 0.319 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

Tgt Ion:106 Resp: 4878
Ion Ratio Lower Upper
106 100
91 229.1 154.8 287.4

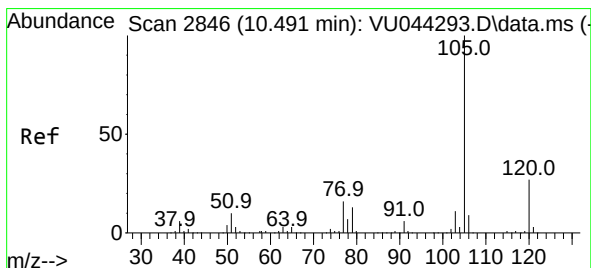
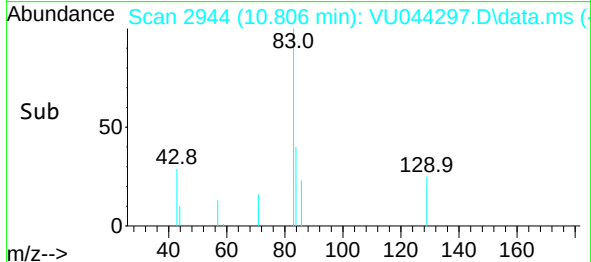
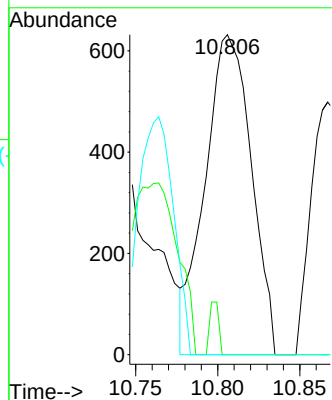
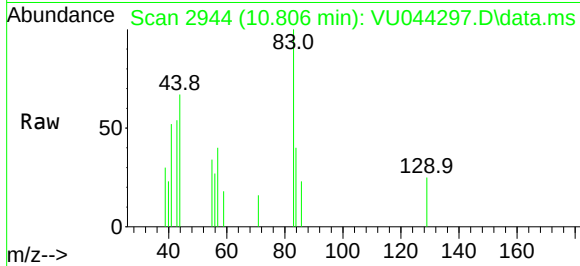




#57
1,1,2,2-Tetrachloroethane
Concen: 0.144 ug/L
RT: 10.806 min Scan# 2944
Delta R.T. 0.016 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

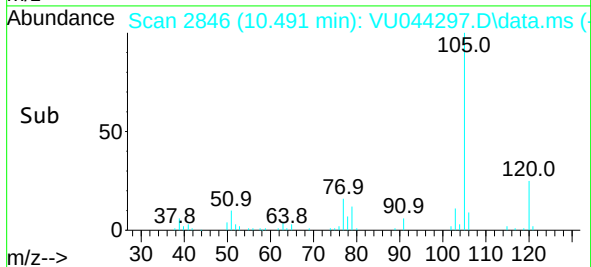
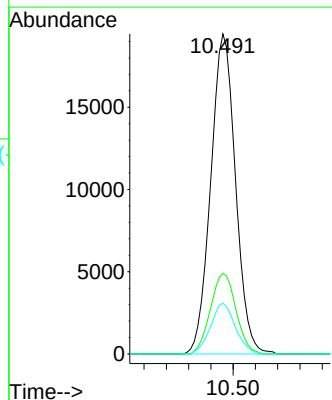
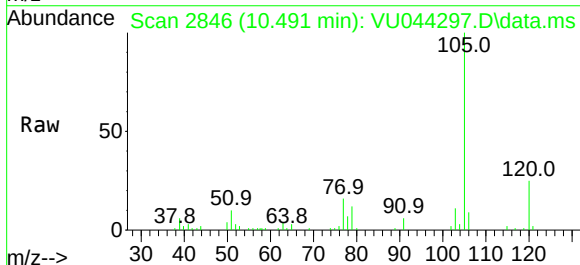
Instrument :
MSVOA_U
ClientSampleId :

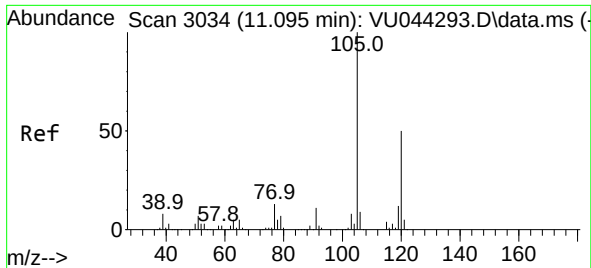
Tgt Ion: 83 Resp: 1239
Ion Ratio Lower Upper
83 100
85 22.6 45.5 84.5#
131 0.0 7.9 11.9#



#60
Isopropylbenzene
Concen: 0.724 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. -0.000 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

Tgt Ion: 105 Resp: 30007
Ion Ratio Lower Upper
105 100
120 25.9 20.7 31.1
77 15.8 12.9 19.3

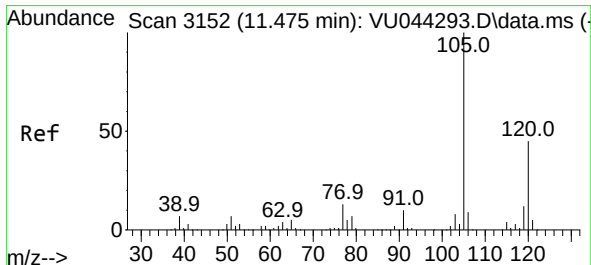
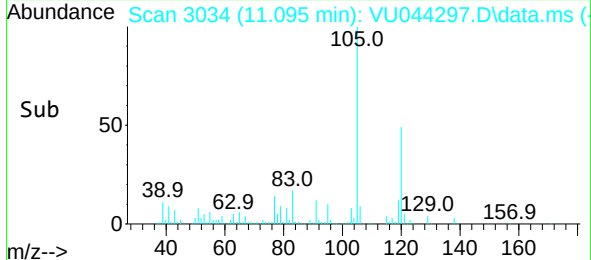
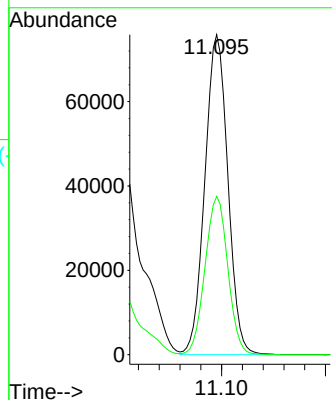
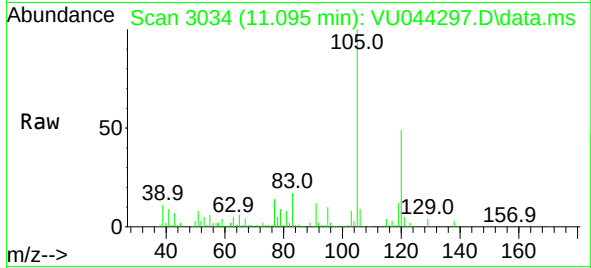




#62
1,3,5-Trimethylbenzene
Concen: 3.225 ug/L
RT: 11.095 min Scan# 3034
Delta R.T. -0.000 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

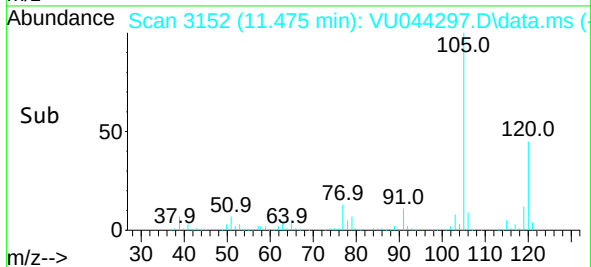
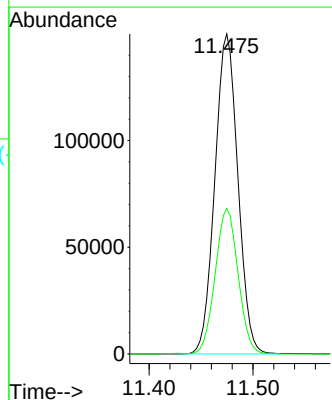
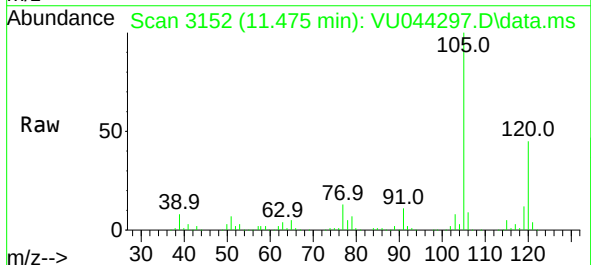
Instrument :
MSVOA_U
ClientSampleId :

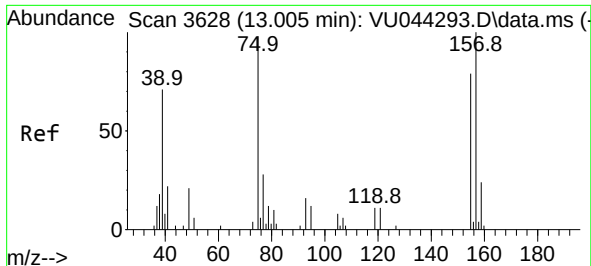
Tgt Ion:105 Resp: 116442
Ion Ratio Lower Upper
105 100
120 49.0 38.0 57.0



#63
1,2,4-Trimethylbenzene
Concen: 6.254 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

Tgt Ion:105 Resp: 230945
Ion Ratio Lower Upper
105 100
120 45.2 35.6 53.4

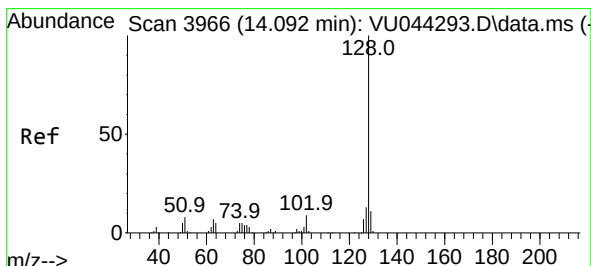
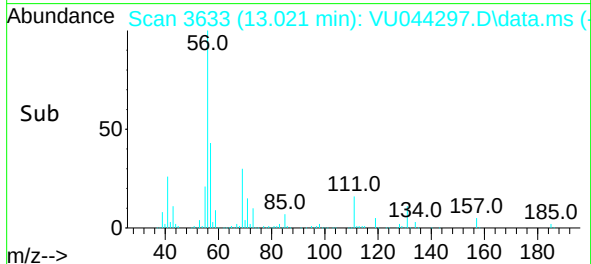
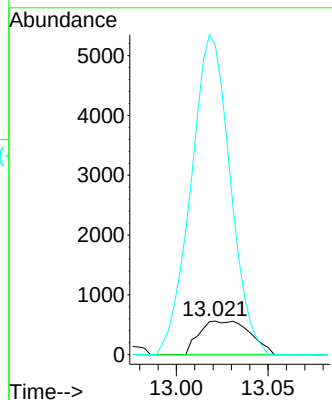
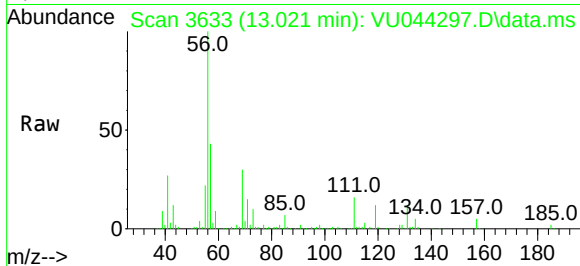




#68
1,2-Dibromo-3-chloropropane
Concen: 0.674 ug/L
RT: 13.021 min Scan# 3633
Delta R.T. 0.016 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 1083
Ion Ratio Lower Upper
75 100
155 0.0 59.9 89.9#
157 922.5 79.3 118.9#



#71
Naphthalene
Concen: 2.520 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. -0.000 min
Lab File: VU044297.D
Acq: 02 Jul 2021 12:17

Tgt Ion: 128 Resp: 55079
Ion Ratio Lower Upper
128 100
129 12.7 8.9 13.3
127 13.3 10.3 15.5

