

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
 Data File : VU044282.D
 Acq On : 01 Jul 2021 13:32
 Operator : SY/MD
 Sample : M2905-08DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 02 01:51:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 02 01:46:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	147355	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	138223	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	74734	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	31378	3.933	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.600%
7) Chloroethane-d5	1.919	69	34723	4.420	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.400%
11) 1,1-Dichloroethene-d2	2.572	65	17413	4.252	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.000%
20) 2-Butanone-d5	4.642	46	144360	49.137	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.280%
24) Chloroform-d	5.073	84	84014	4.678	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	5.713	65	50827	4.734	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
32) Benzene-d6	5.735	84	164875	4.803	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
36) 1,2-Dichloropropane-d6	6.697	67	54771	4.923	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.400%
41) Toluene-d8	7.906	98	153578	4.821	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
43) trans-1,3-Dichloroprop...	8.185	79	22675	4.394	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.800%
46) 2-Hexanone-d5	8.642	63	131265	53.406	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.820%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	47811	4.834	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.600%
66) 1,2-Dichlorobenzene-d4	12.198	152	63337	5.144	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.800%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.578	96	714	0.084	ug/L #	1
13) Acetone	2.652	43	1646	1.253	ug/L	74
15) Methyl Acetate	2.964	43	495	0.134	ug/L #	53
16) Methylene chloride	3.054	84	7959	0.694	ug/L	96
18) trans-1,2-Dichloroethene	3.363	96	2057	0.227	ug/L	94
22) cis-1,2-Dichloroethene	4.674	96	55401	5.591	ug/L	95
33) Benzene	5.780	78	12464	0.344	ug/L	100
34) Trichloroethene	6.549	95	50968	5.190	ug/L	97
35) Methylcyclohexane	6.697	83	13216	0.815	ug/L #	17
37) 1,2-Dichloropropane	6.697	63	6535	0.682	ug/L #	87
39) cis-1,3-Dichloropropene	7.568	75	1551	0.099	ug/L	96
42) Toluene	7.976	91	3270	0.082	ug/L	93
47) Tetrachloroethene	8.558	164	38480	5.300	ug/L	96
48) 2-Hexanone	8.642	43	22715	4.188	ug/L #	58
49) Dibromochloromethane	8.558	129	35839	3.917	ug/L #	11
51) Chlorobenzene	9.452	112	35157	1.375	ug/L	97
52) Ethylbenzene	9.578	91	4870	0.106	ug/L	95
54) o-Xylene	10.105	106	2488	0.147	ug/L	81
60) Isopropylbenzene	11.298	105	10816	0.238	ug/L	94

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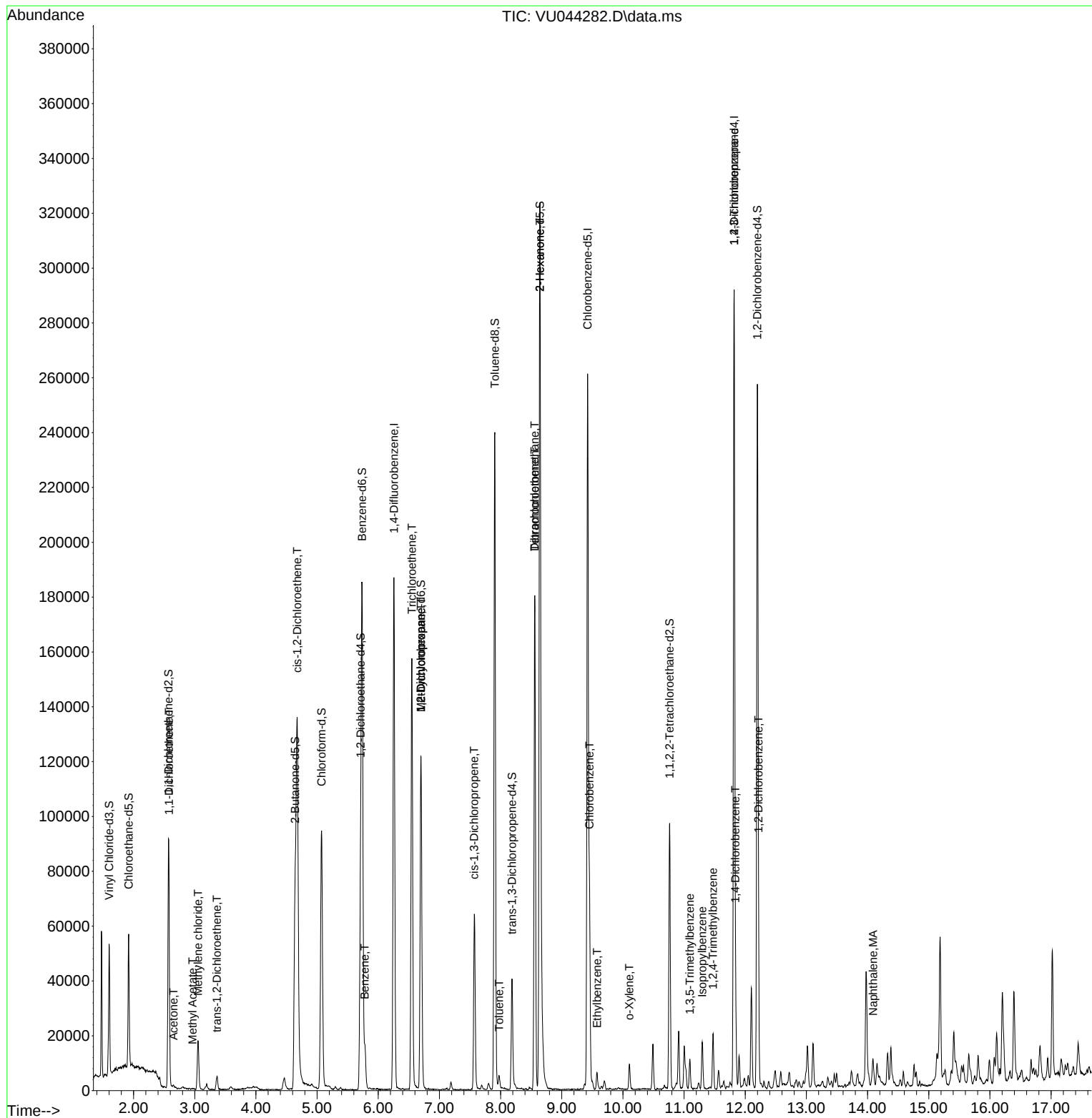
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.819	75	11433	1.695	ug/L #	66
62) 1,3,5-Trimethylbenzene	11.095	105	5865	0.148	ug/L	97
63) 1,2,4-Trimethylbenzene	11.475	105	11070	0.273	ug/L	97
65) 1,4-Dichlorobenzene	11.841	146	7030	0.340	ug/L	98
67) 1,2-Dichlorobenzene	12.217	146	6443	0.334	ug/L	96
71) Naphthalene	14.092	128	3539	0.148	ug/L	99

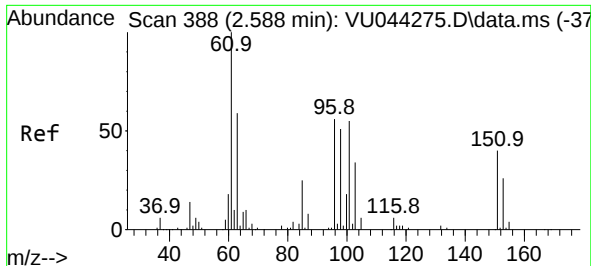
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.084 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.010 min

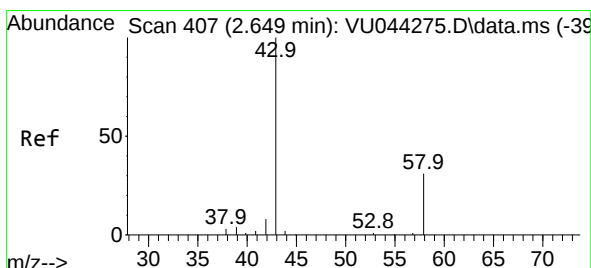
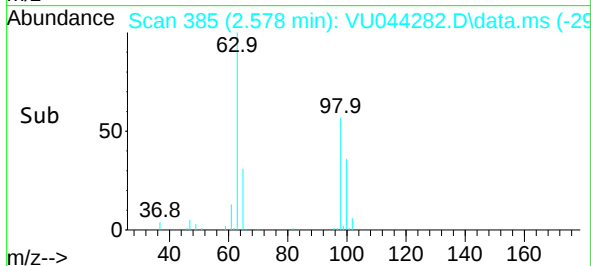
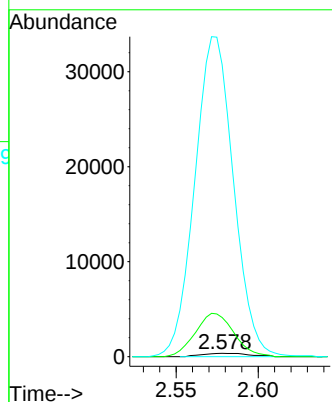
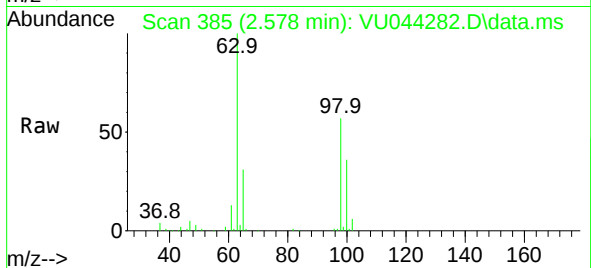
Lab File: VU044282.D

Acq: 01 Jul 2021 13:32

Tgt Ion: 96 Resp: 714

Ion	Ratio	Lower	Upper
96	100		
61	1180.2	128.6	238.8#
63	8811.5	84.3	156.5#

Instrument :
MSVOA_U
ClientSampled :



#13

Acetone

Concen: 1.253 ug/L

RT: 2.652 min Scan# 408

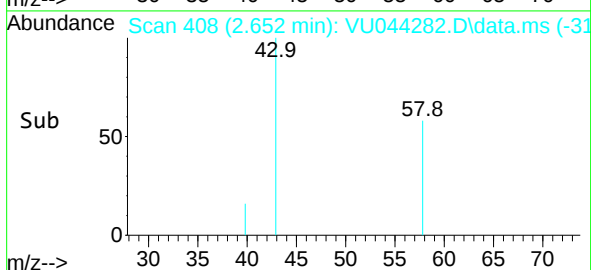
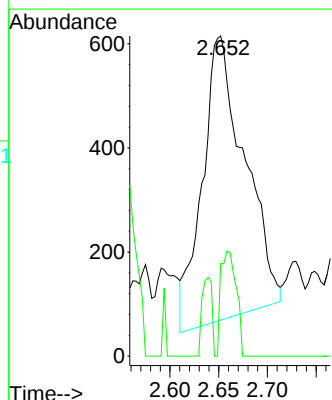
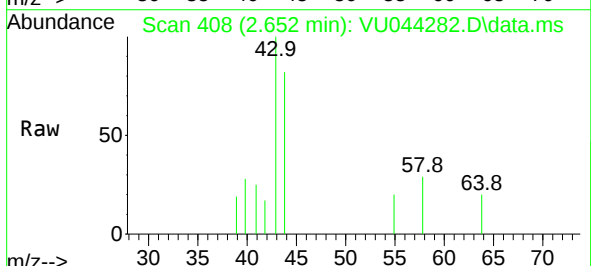
Delta R.T. 0.003 min

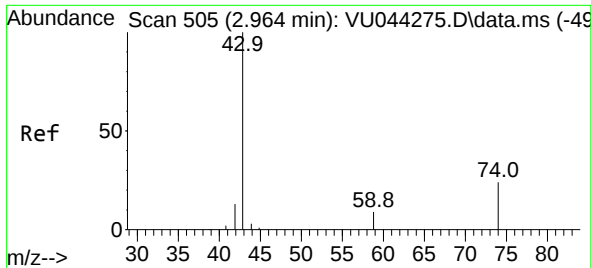
Lab File: VU044282.D

Acq: 01 Jul 2021 13:32

Tgt Ion: 43 Resp: 1646

Ion	Ratio	Lower	Upper
43	100		
58	13.5	0.0	53.8

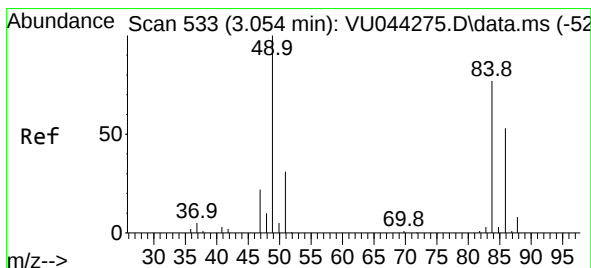
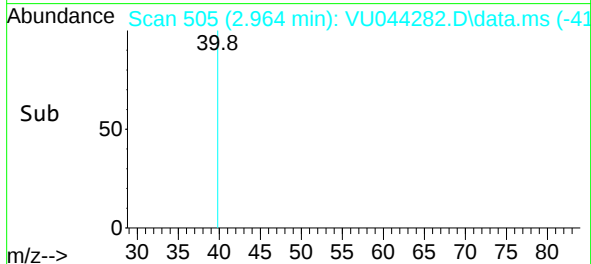
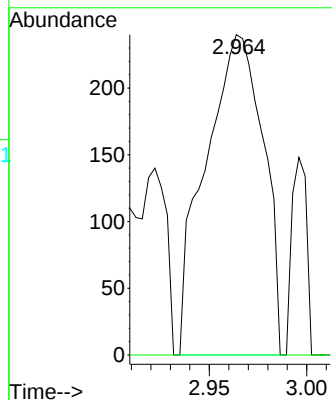
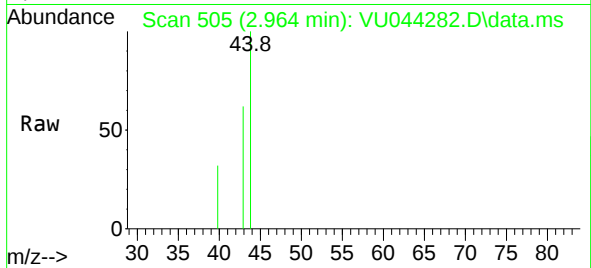




#15
Methyl Acetate
Concen: 0.134 ug/L
RT: 2.964 min Scan# 505
Delta R.T. -0.000 min
Lab File: VU044282.D
Acq: 01 Jul 2021 13:32

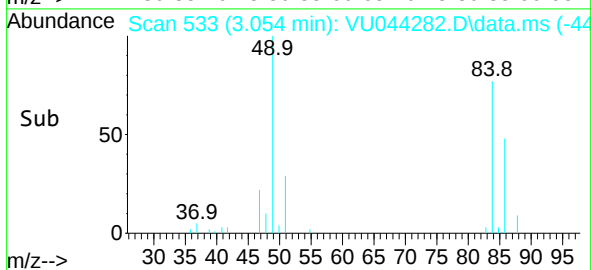
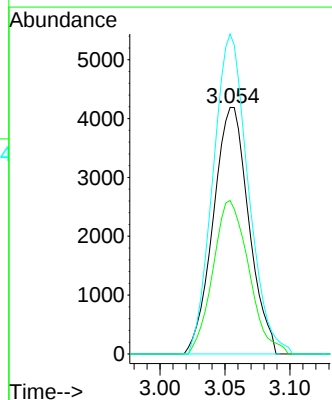
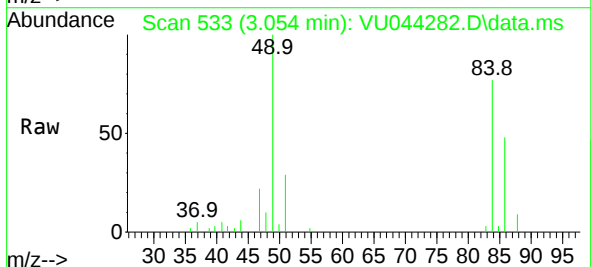
Instrument :
MSVOA_U
ClientSampled :

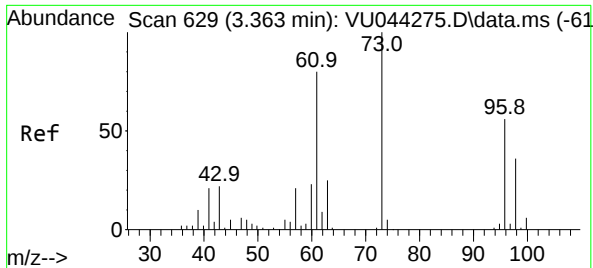
Tgt Ion: 43 Resp: 495
Ion Ratio Lower Upper
43 100
74 0.0 18.4 27.6#



#16
Methylene chloride
Concen: 0.694 ug/L
RT: 3.054 min Scan# 533
Delta R.T. -0.000 min
Lab File: VU044282.D
Acq: 01 Jul 2021 13:32

Tgt Ion: 84 Resp: 7959
Ion Ratio Lower Upper
84 100
86 62.2 46.1 85.5
49 129.8 88.4 164.2

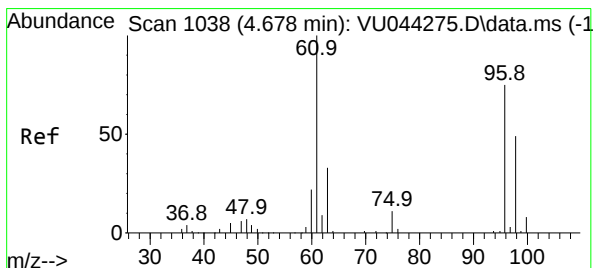
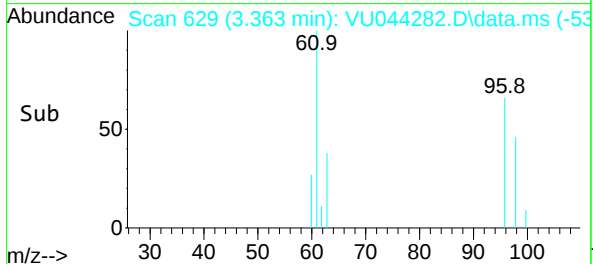
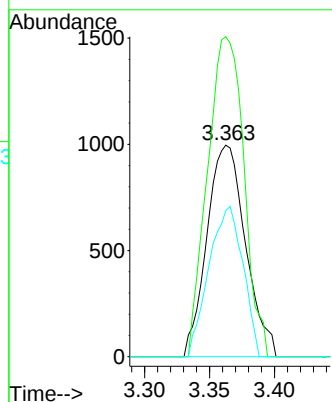
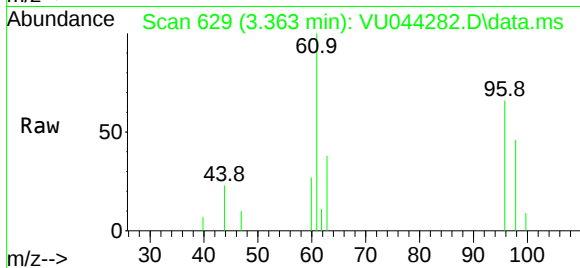




#18
trans-1,2-Dichloroethene
Concen: 0.227 ug/L
RT: 3.363 min Scan# 629
Delta R.T. -0.000 min
Lab File: VU044282.D
Acq: 01 Jul 2021 13:32

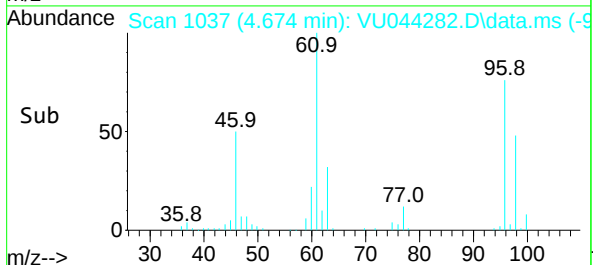
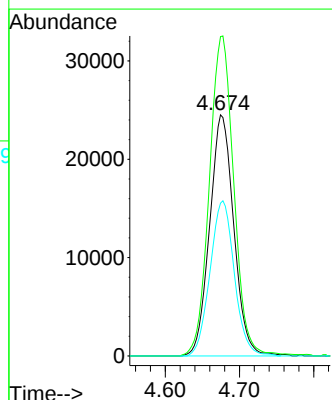
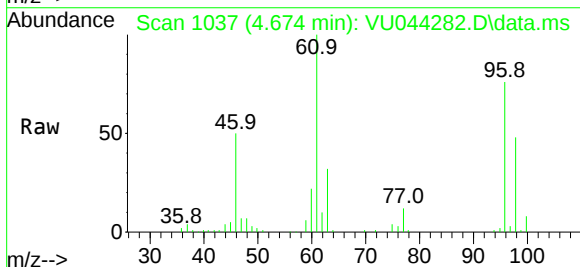
Instrument :
MSVOA_U
ClientSampled :

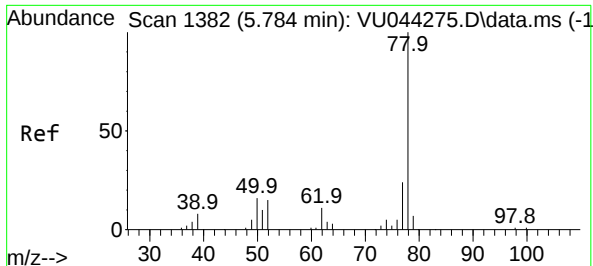
Tgt Ion:	96	Resp:	2057
Ion	Ratio	Lower	Upper
96	100		
61	151.3	100.2	186.2
98	69.1	44.9	83.5



#22
cis-1,2-Dichloroethene
Concen: 5.591 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. -0.004 min
Lab File: VU044282.D
Acq: 01 Jul 2021 13:32

Tgt Ion:	96	Resp:	55401
Ion	Ratio	Lower	Upper
96	100		
61	132.4	98.8	183.6
98	63.4	44.8	83.2





#33

Benzene

Concen: 0.344 ug/L

RT: 5.780 min Scan# 1381

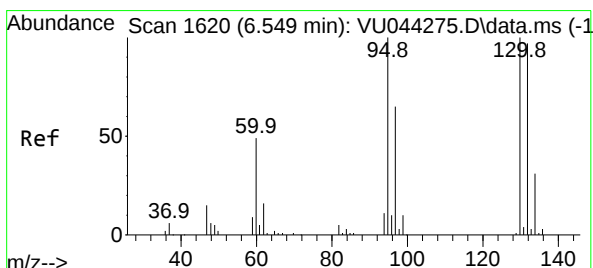
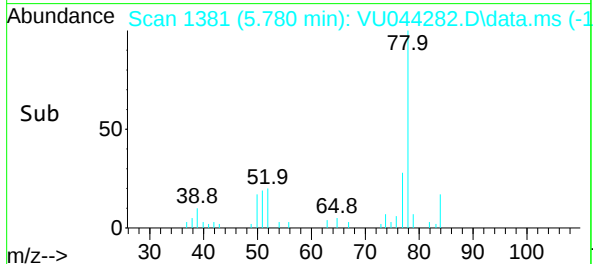
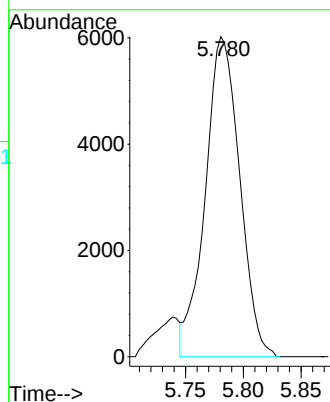
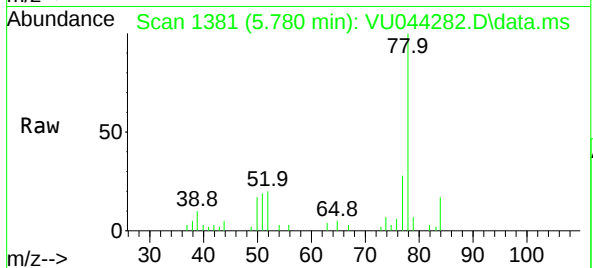
Delta R.T. -0.004 min

Lab File: VU044282.D

Acq: 01 Jul 2021 13:32

Tgt Ion: 78 Resp: 12464

Instrument :
MSVOA_U
ClientSampled :



#34

Trichloroethene

Concen: 5.190 ug/L

RT: 6.549 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VU044282.D

Acq: 01 Jul 2021 13:32

Tgt Ion: 95 Resp: 50968

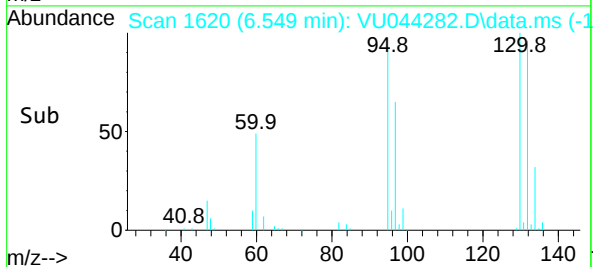
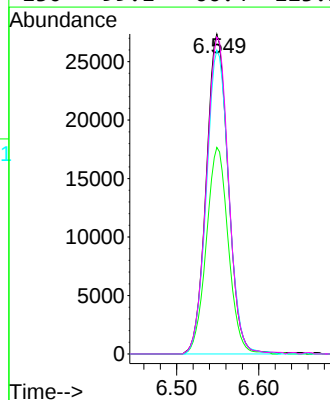
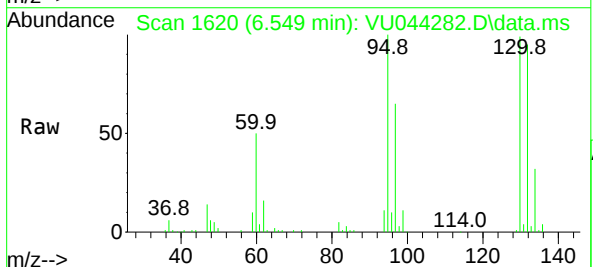
Ion Ratio Lower Upper

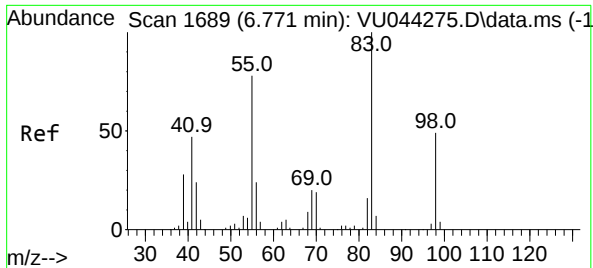
95 100

97 64.6 44.3 82.3

132 95.0 64.3 119.5

130 99.1 66.4 123.2

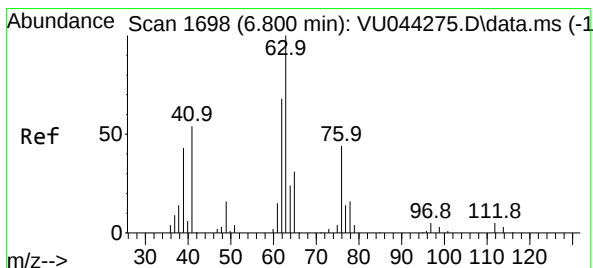
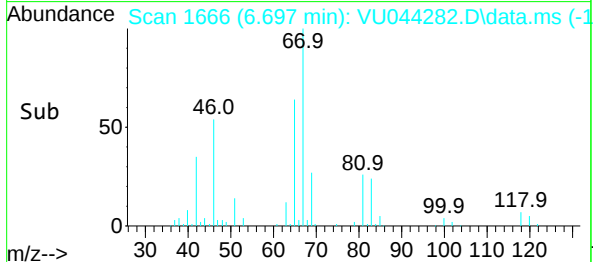
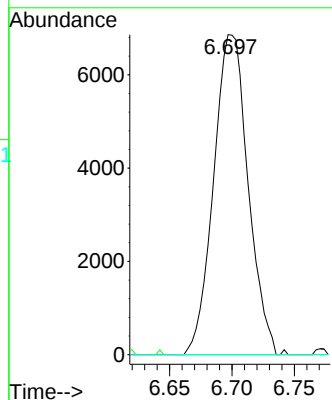
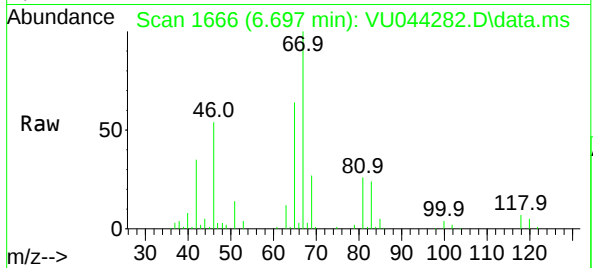




#35
Methylcyclohexane
Concen: 0.815 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.074 min
Lab File: VU044282.D
Acq: 01 Jul 2021 13:32

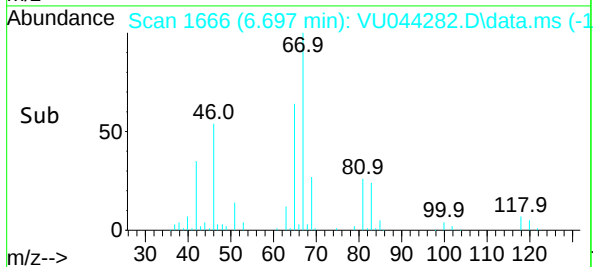
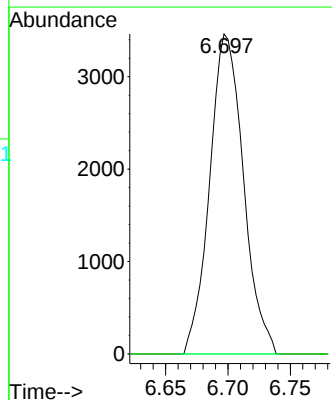
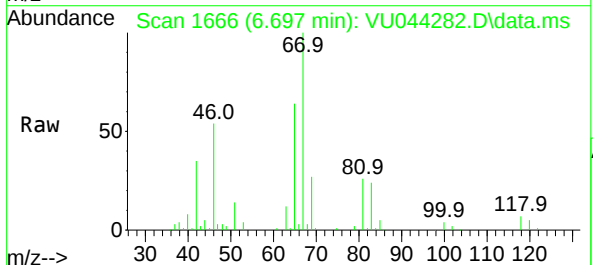
Instrument :
MSVOA_U
ClientSampled :

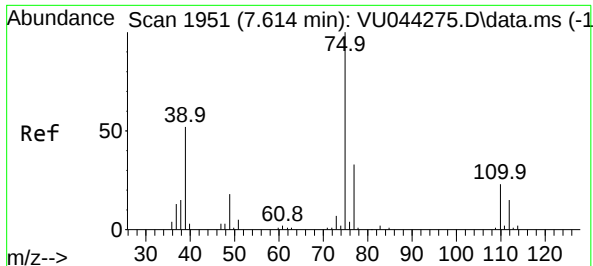
Tgt Ion: 83 Resp: 13216
Ion Ratio Lower Upper
83 100
55 0.1 63.4 95.0#
98 0.0 39.4 59.0#



#37
1,2-Dichloropropane
Concen: 0.682 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.103 min
Lab File: VU044282.D
Acq: 01 Jul 2021 13:32

Tgt Ion: 63 Resp: 6535
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

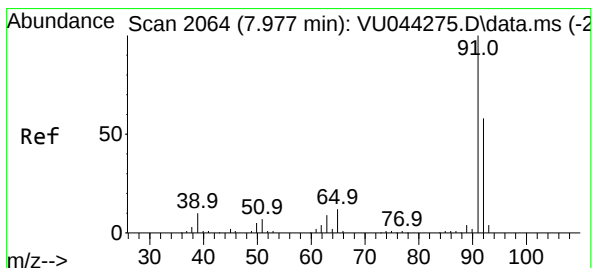
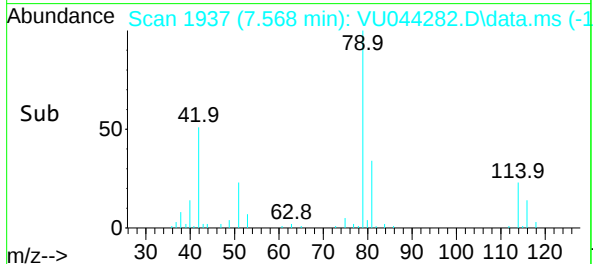
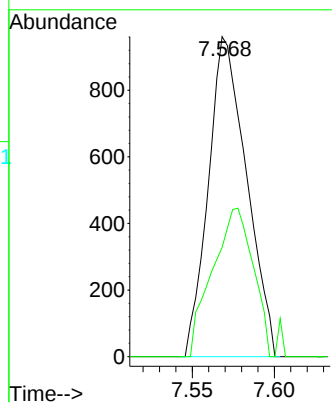
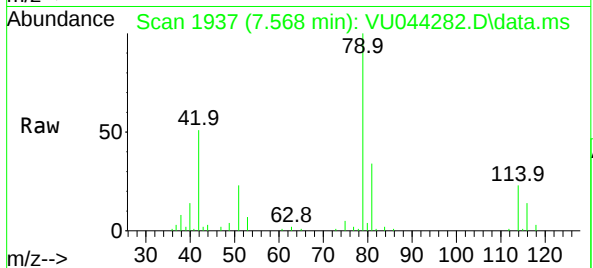




#39
 cis-1,3-Dichloropropene
 Concen: 0.099 ug/L
 RT: 7.568 min Scan# 1937
 Delta R.T. -0.045 min
 Lab File: VU044282.D
 Acq: 01 Jul 2021 13:32

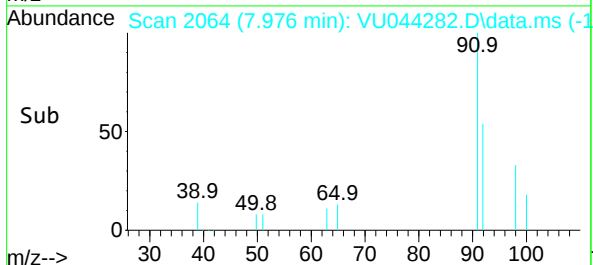
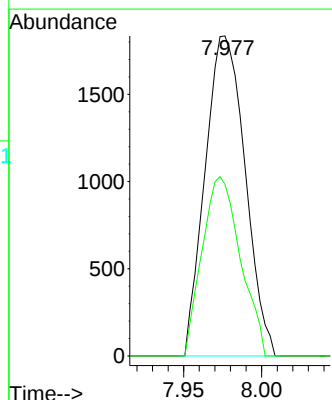
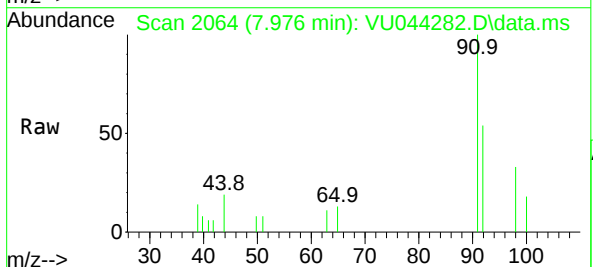
Instrument :
 MSVOA_U
 ClientSampled :

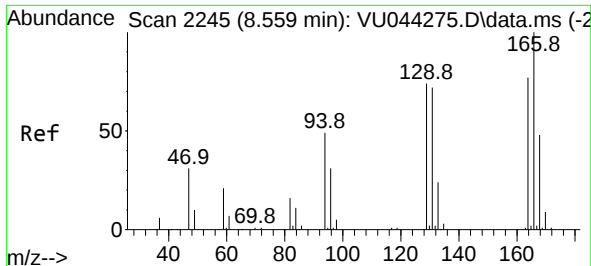
Tgt Ion: 75 Resp: 1551
 Ion Ratio Lower Upper
 75 100
 77 34.1 22.5 41.7



#42
 Toluene
 Concen: 0.082 ug/L
 RT: 7.976 min Scan# 2064
 Delta R.T. -0.000 min
 Lab File: VU044282.D
 Acq: 01 Jul 2021 13:32

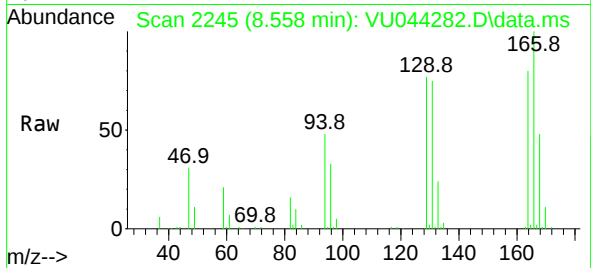
Tgt Ion: 91 Resp: 3270
 Ion Ratio Lower Upper
 91 100
 92 53.6 41.2 76.6



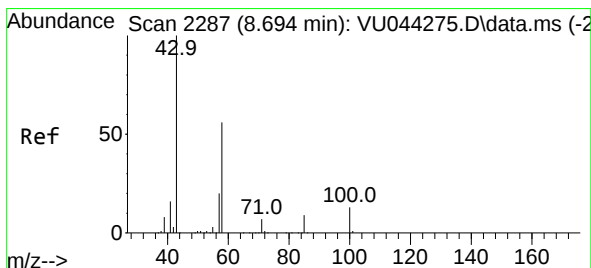
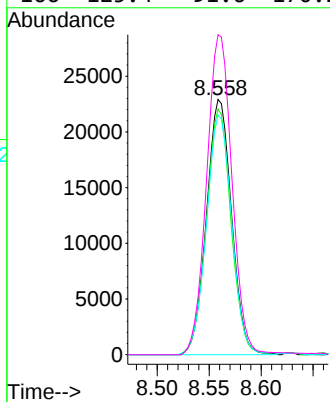
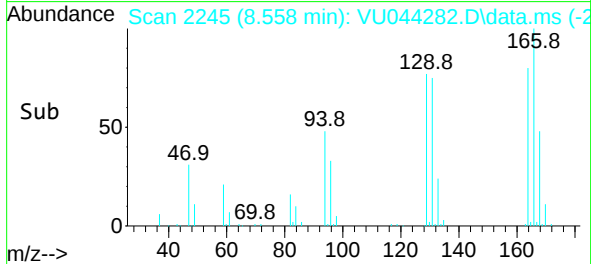


#47
Tetrachloroethene
Concen: 5.300 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.000 min
Lab File: VU044282.D
Acq: 01 Jul 2021 13:32

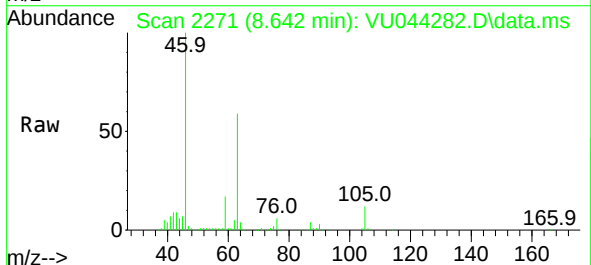
Instrument :
MSVOA_U
ClientSampled :



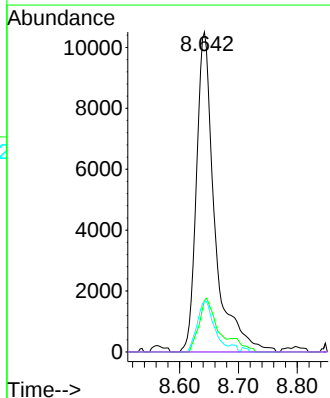
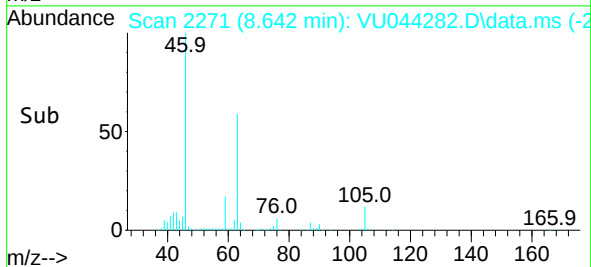
Tgt Ion:164 Resp: 38480
Ion Ratio Lower Upper
164 100
129 96.2 71.8 133.4
131 93.9 66.4 123.2
166 125.4 91.6 170.2

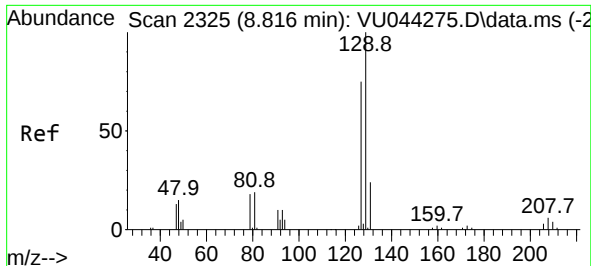


#48
2-Hexanone
Concen: 4.188 ug/L
RT: 8.642 min Scan# 2271
Delta R.T. -0.052 min
Lab File: VU044282.D
Acq: 01 Jul 2021 13:32



Tgt Ion: 43 Resp: 22715
Ion Ratio Lower Upper
43 100
58 15.5 44.7 67.1#
57 14.6 15.7 23.5#
100 0.0 9.8 14.8#





#49

Dibromochloromethane

Concen: 3.917 ug/L

RT: 8.558 min Scan# 2245

Delta R.T. -0.258 min

Lab File: VU044282.D

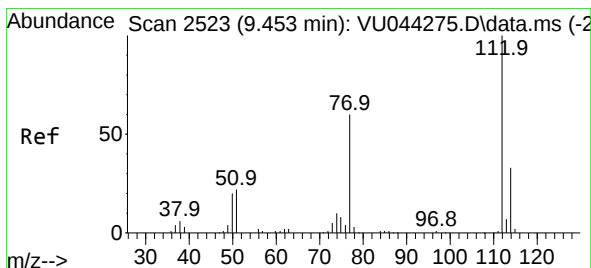
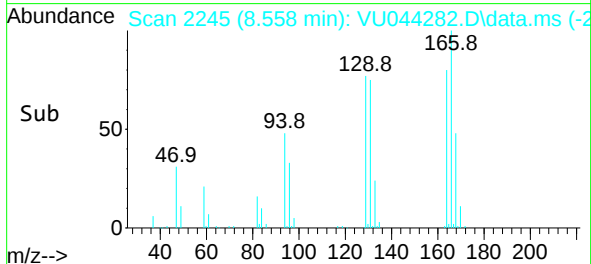
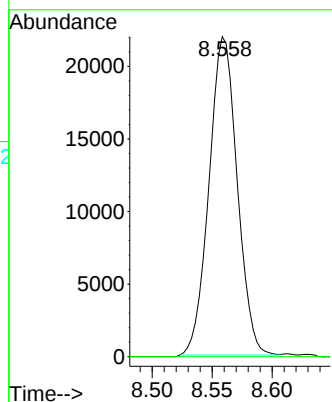
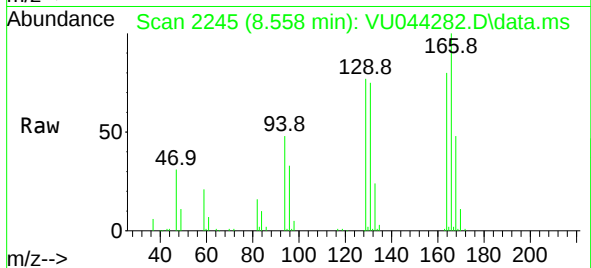
Acq: 01 Jul 2021 13:32

Tgt Ion:129 Resp: 35839

Ion Ratio Lower Upper

129 100

127 0.0 53.6 99.6#



#51

Chlorobenzene

Concen: 1.375 ug/L

RT: 9.452 min Scan# 2523

Delta R.T. -0.000 min

Lab File: VU044282.D

Acq: 01 Jul 2021 13:32

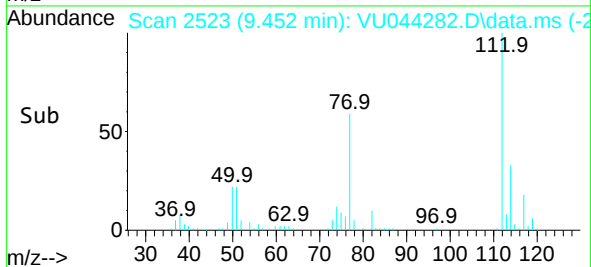
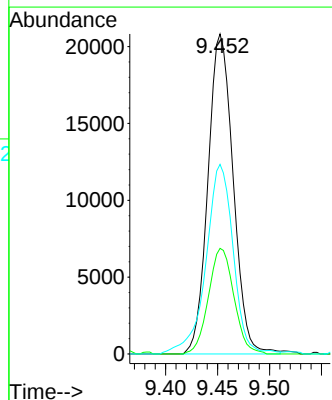
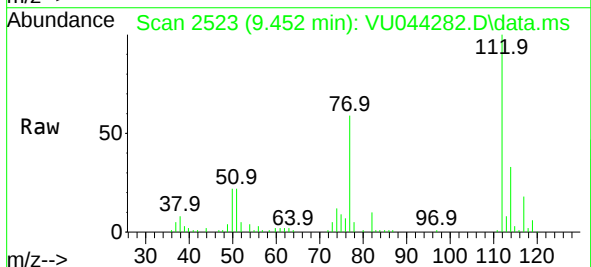
Tgt Ion:112 Resp: 35157

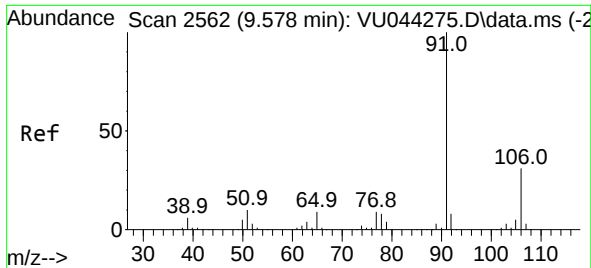
Ion Ratio Lower Upper

112 100

114 33.0 22.0 41.0

77 59.2 48.9 73.3

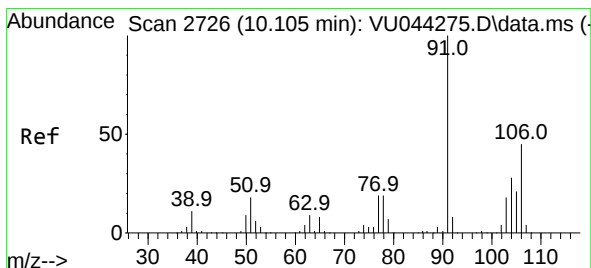
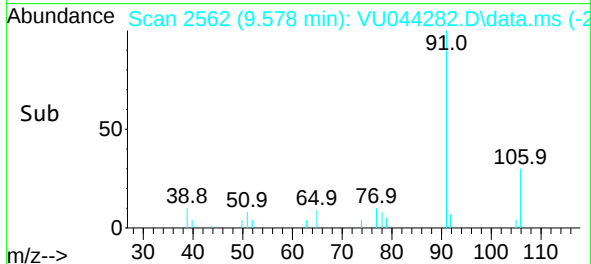
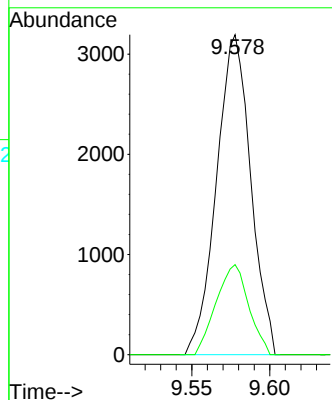
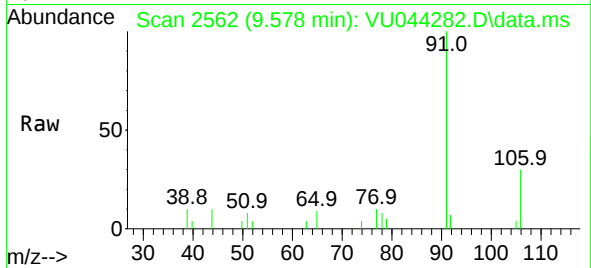




#52
Ethylbenzene
Concen: 0.106 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. -0.000 min
Lab File: VU044282.D
Acq: 01 Jul 2021 13:32

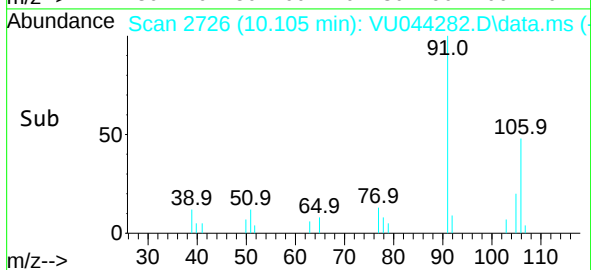
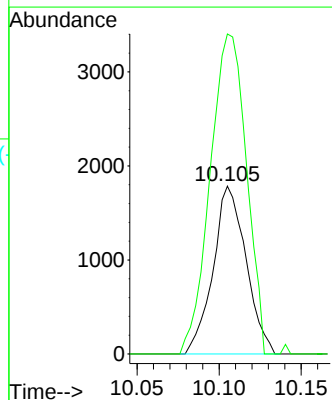
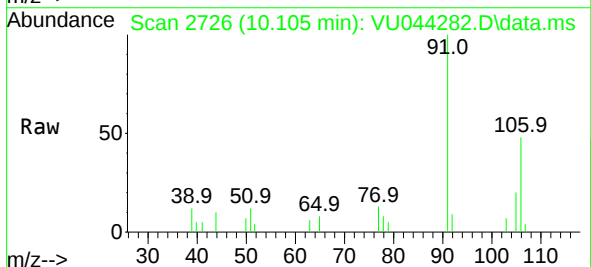
Instrument :
MSVOA_U
ClientSampled :

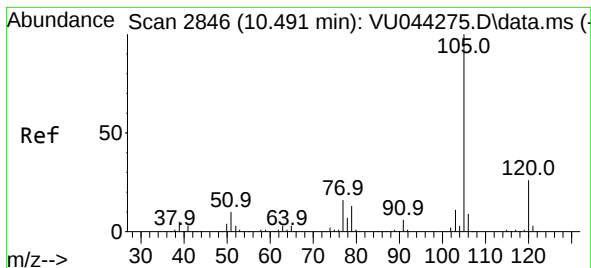
Tgt Ion: 91 Resp: 4870
Ion Ratio Lower Upper
91 100
106 28.1 21.6 40.2



#54
o-Xylene
Concen: 0.147 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.000 min
Lab File: VU044282.D
Acq: 01 Jul 2021 13:32

Tgt Ion: 106 Resp: 2488
Ion Ratio Lower Upper
106 100
91 190.7 154.8 287.4

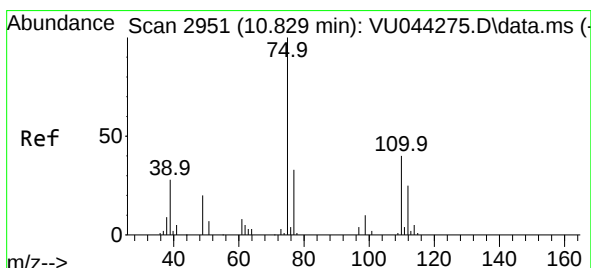
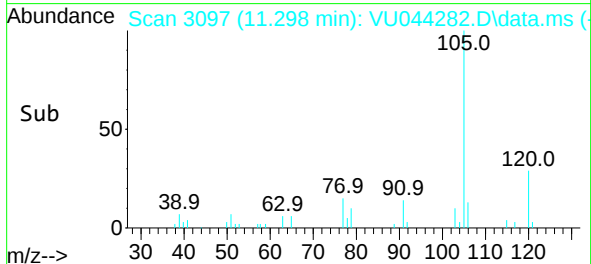
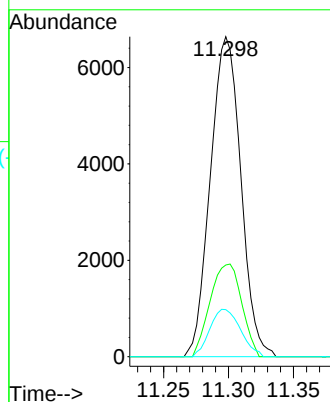
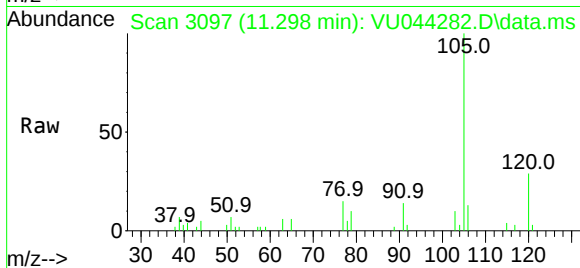




#60
Isopropylbenzene
Concen: 0.238 ug/L
RT: 11.298 min Scan# 3097
Delta R.T. 0.807 min
Lab File: VU044282.D
Acq: 01 Jul 2021 13:32

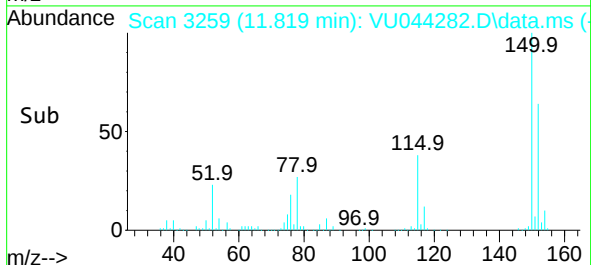
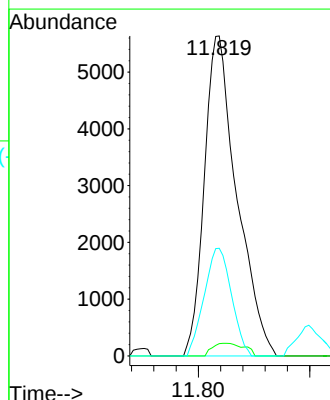
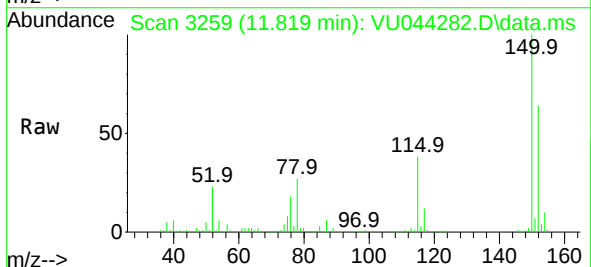
Instrument :
MSVOA_U
ClientSampled :

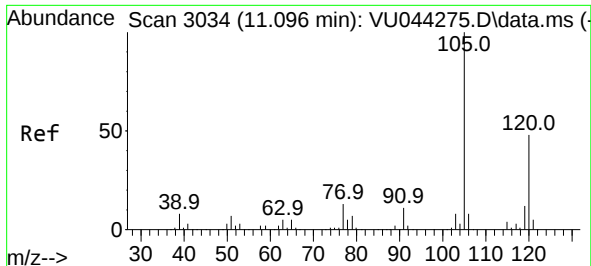
Tgt Ion:	105	Resp:	10816
Ion Ratio	Lower	Upper	
105	100		
120	29.9	20.7	31.1
77	14.9	12.9	19.3



#61
1,2,3-Trichloropropane
Concen: 1.695 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.990 min
Lab File: VU044282.D
Acq: 01 Jul 2021 13:32

Tgt Ion:	75	Resp:	11433
Ion Ratio	Lower	Upper	
75	100		
110	3.9	30.5	45.7#
77	28.2	26.1	39.1

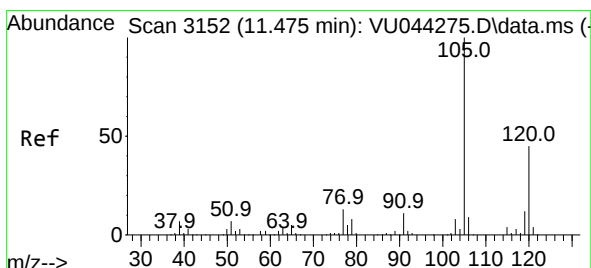
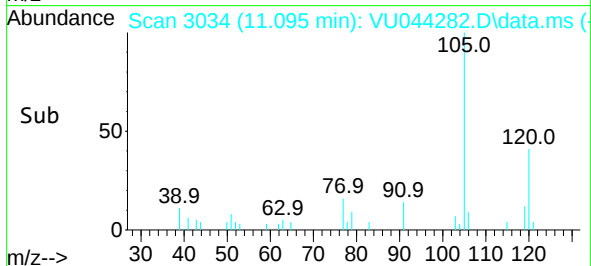
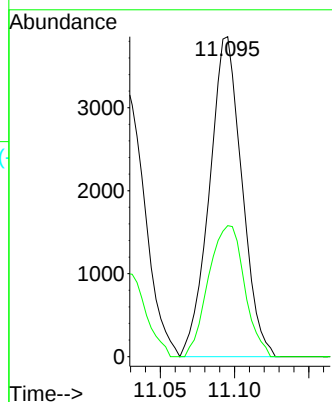
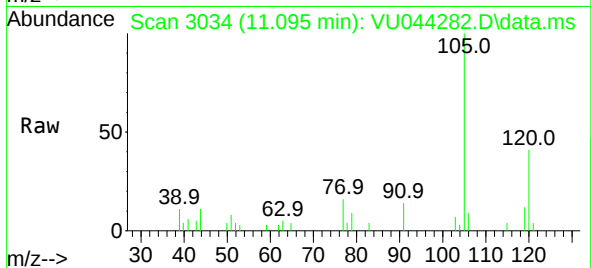




#62
1,3,5-Trimethylbenzene
Concen: 0.148 ug/L
RT: 11.095 min Scan# 3034
Delta R.T. -0.000 min
Lab File: VU044282.D
Acq: 01 Jul 2021 13:32

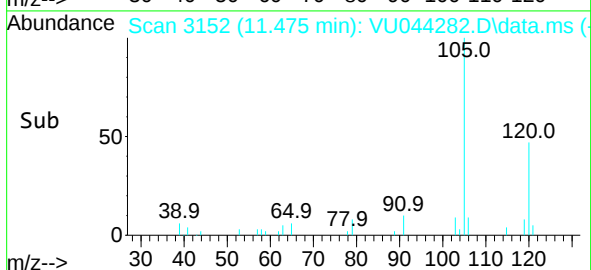
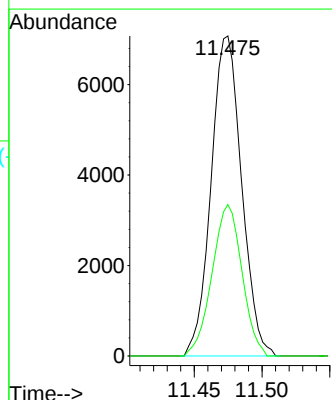
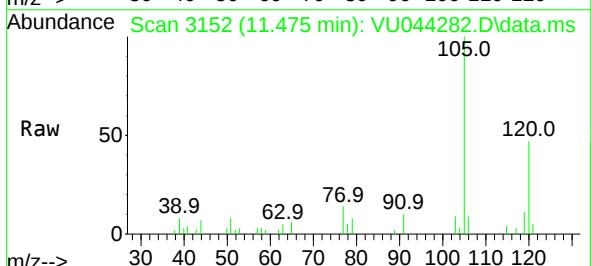
Instrument :
MSVOA_U
ClientSampled :

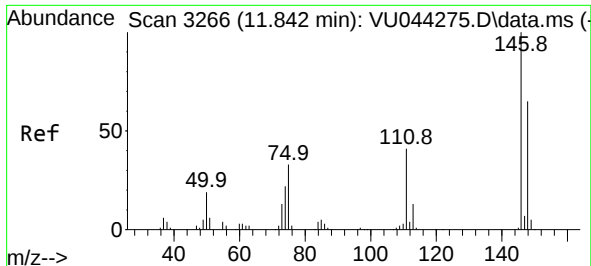
Tgt Ion:105 Resp: 5865
Ion Ratio Lower Upper
105 100
120 45.3 38.0 57.0



#63
1,2,4-Trimethylbenzene
Concen: 0.273 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU044282.D
Acq: 01 Jul 2021 13:32

Tgt Ion:105 Resp: 11070
Ion Ratio Lower Upper
105 100
120 46.4 35.6 53.4

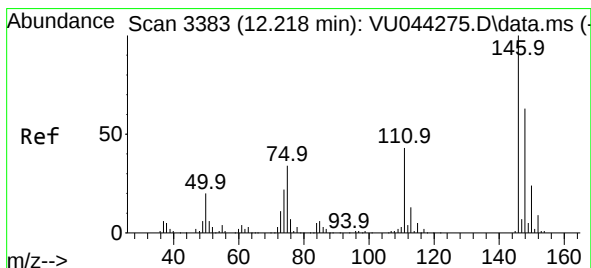
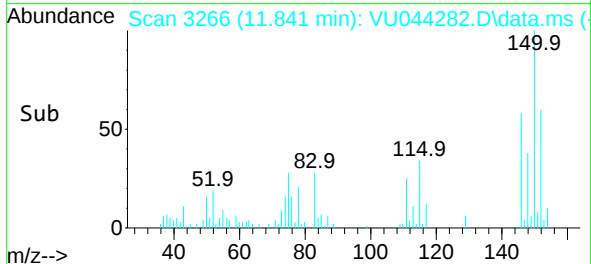
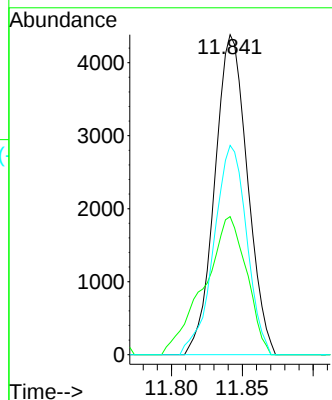
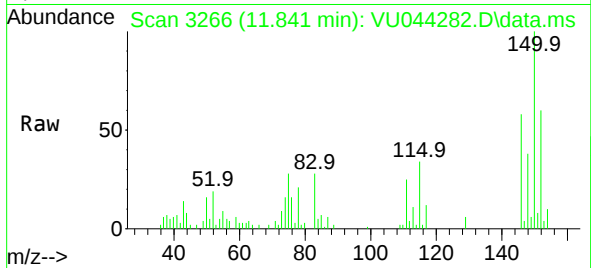




#65
1,4-Dichlorobenzene
Concen: 0.340 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. -0.000 min
Lab File: VU044282.D
Acq: 01 Jul 2021 13:32

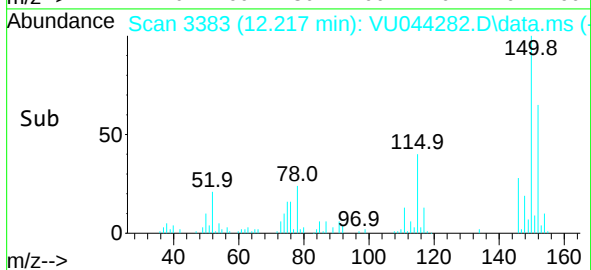
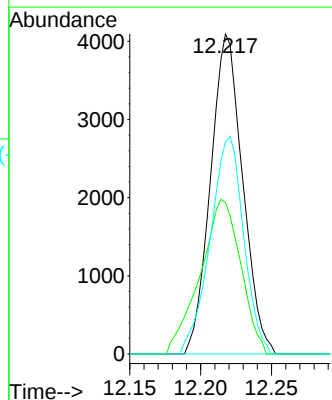
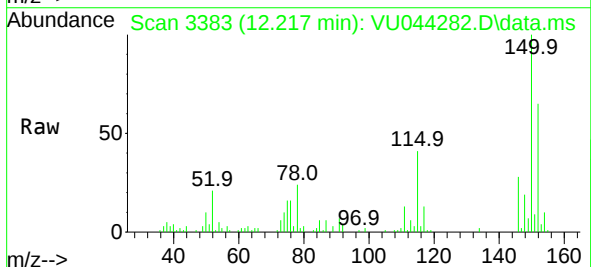
Instrument :
MSVOA_U
ClientSampled :

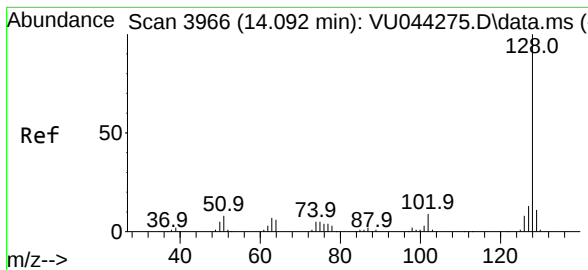
Tgt Ion:146 Resp: 7030
Ion Ratio Lower Upper
146 100
111 43.1 28.2 52.4
148 65.4 45.1 83.9



#67
1,2-Dichlorobenzene
Concen: 0.334 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. -0.000 min
Lab File: VU044282.D
Acq: 01 Jul 2021 13:32

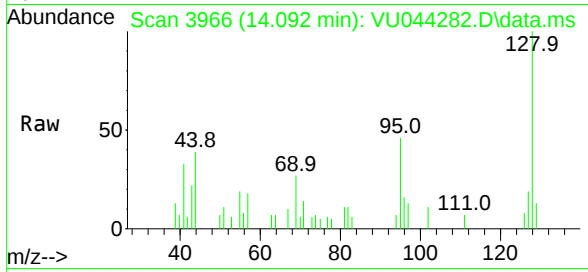
Tgt Ion:146 Resp: 6443
Ion Ratio Lower Upper
146 100
111 47.3 35.0 52.6
148 66.3 51.2 76.8





#71
Naphthalene
Concen: 0.148 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. -0.000 min
Lab File: VU044282.D
Acq: 01 Jul 2021 13:32

Instrument :
MSVOA_U
ClientSampled :



Tgt Ion:128 Resp: 3539
Ion Ratio Lower Upper
128 100
129 12.2 8.9 13.3
127 12.8 10.3 15.5

