

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
 Data File : VU044283.D
 Acq On : 01 Jul 2021 13:57
 Operator : SY/MD
 Sample : M2905-09DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 02 01:51:45 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	140173	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	131437	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	70450	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	30416	4.008	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.200%
7) Chloroethane-d5	1.919	69	33928	4.540	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.800%
11) 1,1-Dichloroethene-d2	2.575	65	17255	4.430	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.600%
20) 2-Butanone-d5	4.642	46	124850	44.673	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.340%
24) Chloroform-d	5.073	84	83391	4.881	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	5.710	65	48727	4.771	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
32) Benzene-d6	5.735	84	166671	5.106	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.200%
36) 1,2-Dichloropropane-d6	6.697	67	55137	5.212	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.200%
41) Toluene-d8	7.906	98	155119	5.121	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
43) trans-1,3-Dichloroprop...	8.185	79	22282	4.541	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.800%
46) 2-Hexanone-d5	8.642	63	123631	52.897	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.800%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	47775	5.080	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.600%
66) 1,2-Dichlorobenzene-d4	12.198	152	62518	5.386	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	777	0.081	ug/L	98
12) 1,1-Dichloroethene	2.572	96	728	0.090	ug/L #	1
15) Methyl Acetate	2.967	43	346	0.099	ug/L #	53
16) Methylene chloride	3.054	84	6615	0.606	ug/L	92
18) trans-1,2-Dichloroethene	3.362	96	2212	0.257	ug/L	93
22) cis-1,2-Dichloroethene	4.674	96	60063	6.372	ug/L	95
33) Benzene	5.784	78	13633	0.395	ug/L	100
34) Trichloroethene	6.549	95	55925	5.989	ug/L	95
35) Methylcyclohexane	6.697	83	13291	0.862	ug/L #	17
37) 1,2-Dichloropropane	6.700	63	5966	0.655	ug/L #	87
39) cis-1,3-Dichloropropene	7.575	75	1685	0.113	ug/L #	59
42) Toluene	7.976	91	3390	0.089	ug/L	92
47) Tetrachloroethene	8.558	164	38093	5.518	ug/L	96
49) Dibromochloromethane	8.558	129	35682	4.101	ug/L #	11
51) Chlorobenzene	9.452	112	36921	1.518	ug/L	98
52) Ethylbenzene	9.578	91	4972	0.113	ug/L	94
54) o-Xylene	10.108	106	2472	0.153	ug/L	97
60) Isopropylbenzene	10.491	105	10588	0.247	ug/L	99
61) 1,2,3-Trichloropropane	11.819	75	10946	1.721	ug/L #	64

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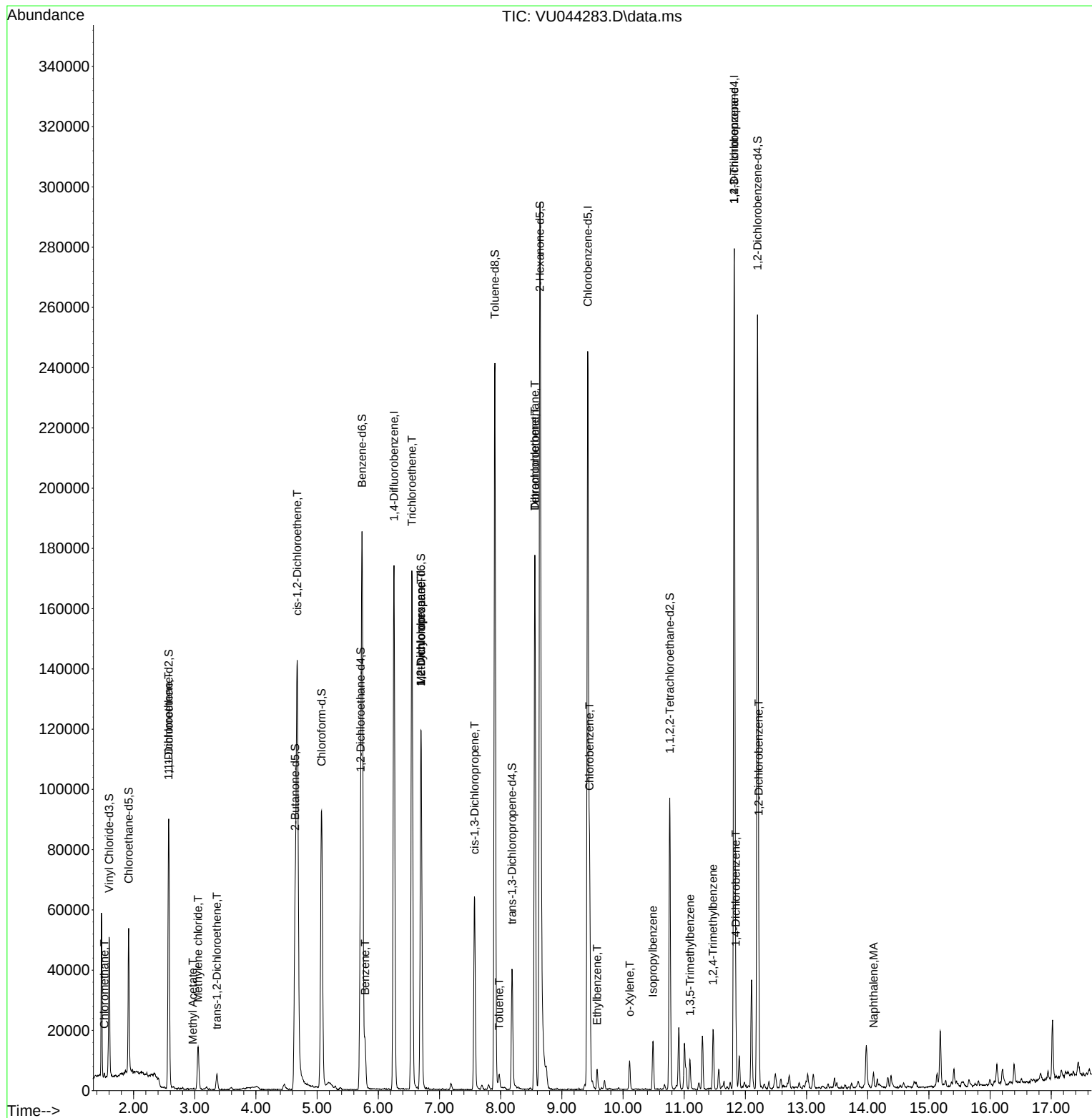
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	11.095	105	5709	0.153	ug/L	98
63) 1,2,4-Trimethylbenzene	11.472	105	10765	0.282	ug/L	93
65) 1,4-Dichlorobenzene	11.844	146	7079	0.363	ug/L	91
67) 1,2-Dichlorobenzene	12.217	146	6595	0.363	ug/L	99
71) Naphthalene	14.095	128	3468	0.153	ug/L #	93

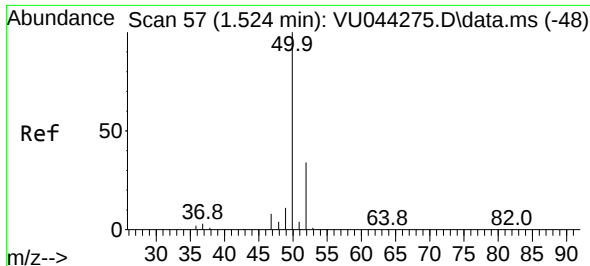
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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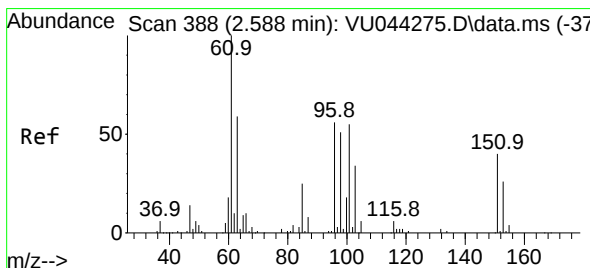
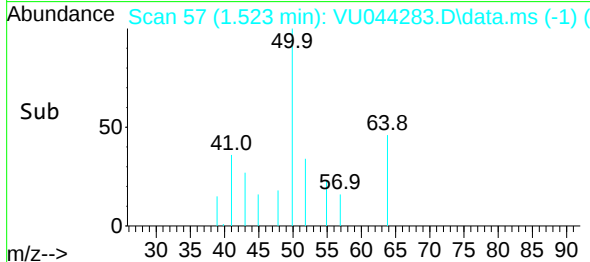
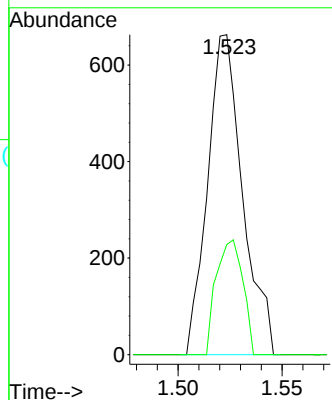
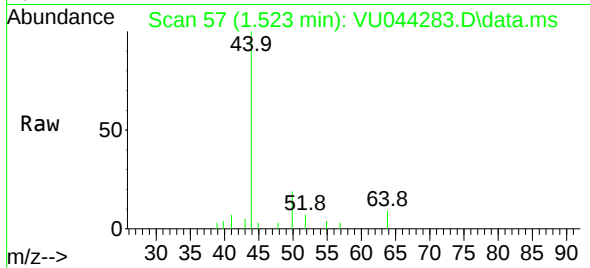




#3
Chloromethane
Concen: 0.081 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU044283.D
Acq: 01 Jul 2021 13:57

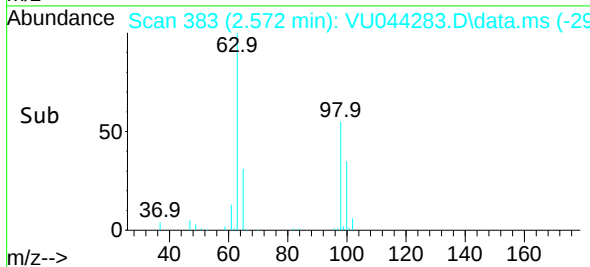
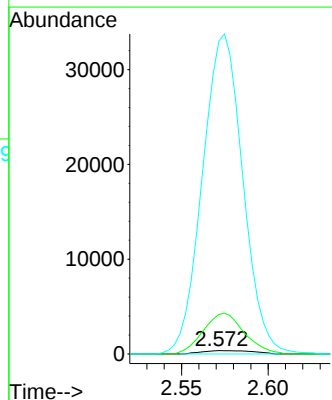
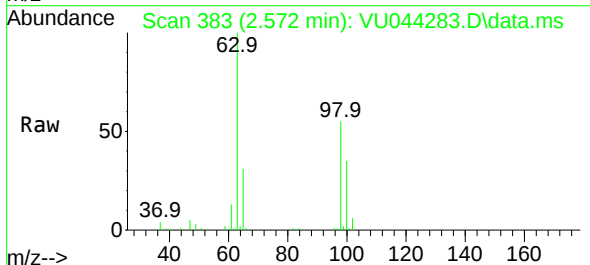
Instrument :
MSVOA_U
ClientSampled :

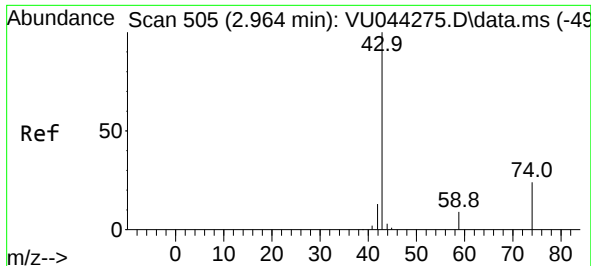
Tgt Ion: 50 Resp: 777
Ion Ratio Lower Upper
50 100
52 34.4 23.1 42.9



#12
1,1-Dichloroethene
Concen: 0.090 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU044283.D
Acq: 01 Jul 2021 13:57

Tgt Ion: 96 Resp: 728
Ion Ratio Lower Upper
96 100
61 1200.6 128.6 238.8#
63 9514.7 84.3 156.5#

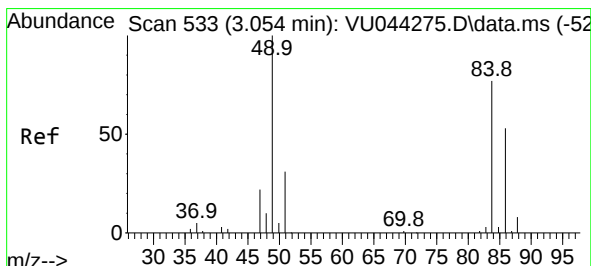
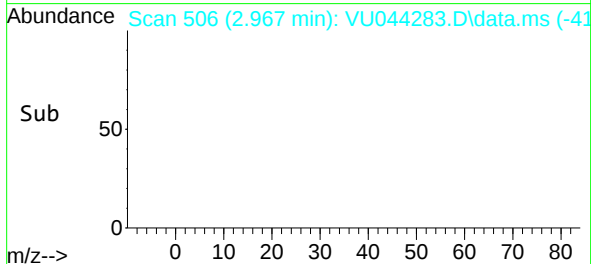
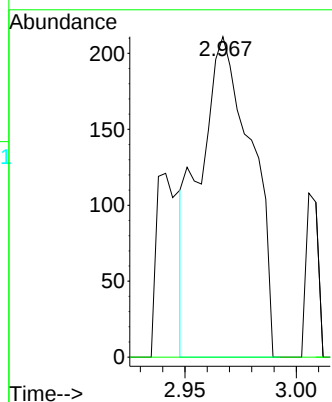
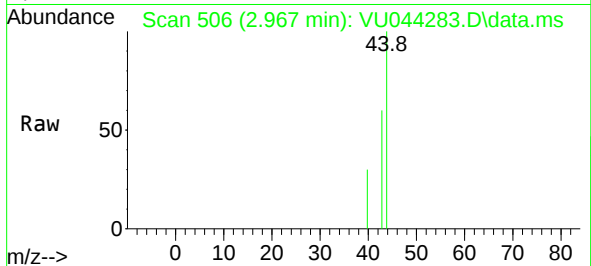




#15
Methyl Acetate
Concen: 0.099 ug/L
RT: 2.967 min Scan# 506
Delta R.T. 0.003 min
Lab File: VU044283.D
Acq: 01 Jul 2021 13:57

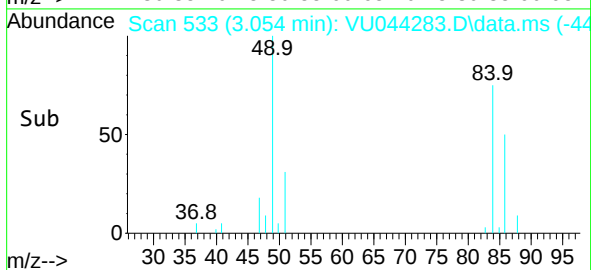
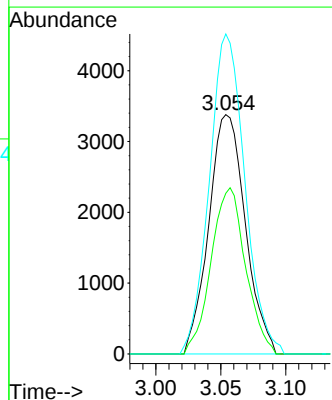
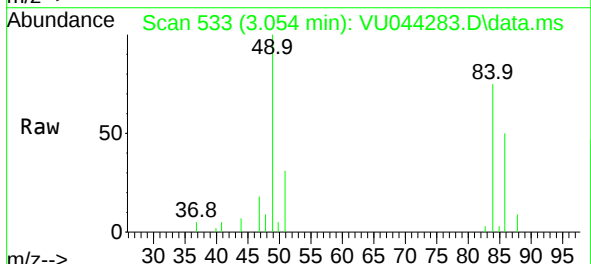
Instrument :
MSVOA_U
ClientSampled :

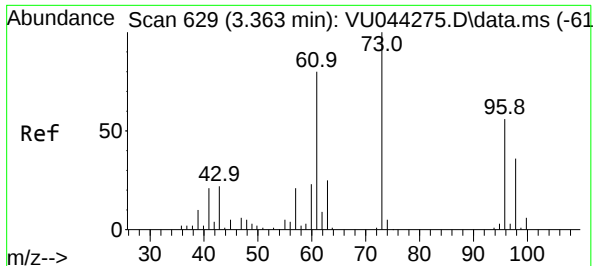
Tgt Ion: 43 Resp: 346
Ion Ratio Lower Upper
43 100
74 0.0 18.4 27.6#



#16
Methylene chloride
Concen: 0.606 ug/L
RT: 3.054 min Scan# 533
Delta R.T. -0.000 min
Lab File: VU044283.D
Acq: 01 Jul 2021 13:57

Tgt Ion: 84 Resp: 6615
Ion Ratio Lower Upper
84 100
86 67.1 46.1 85.5
49 139.7 88.4 164.2

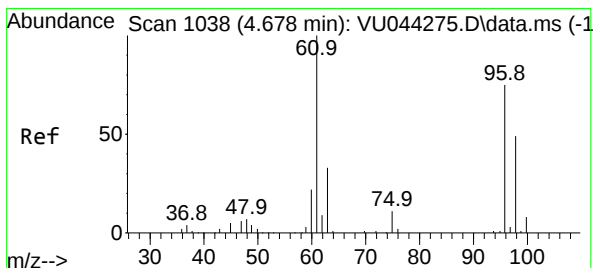
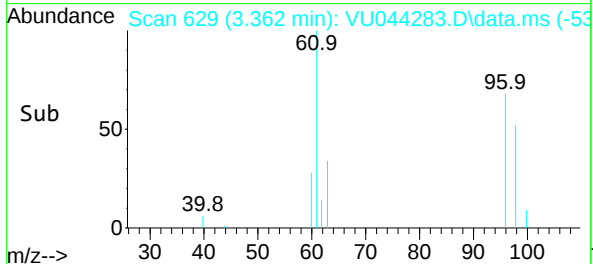
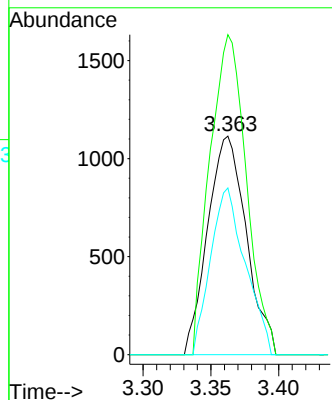
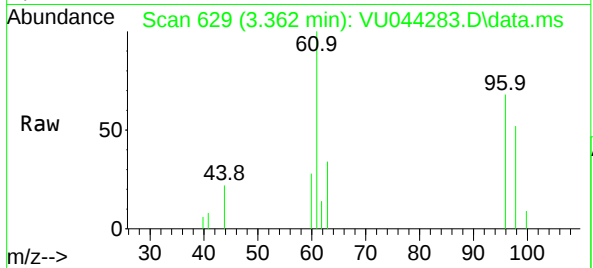




#18
trans-1,2-Dichloroethene
Concen: 0.257 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.000 min
Lab File: VU044283.D
Acq: 01 Jul 2021 13:57

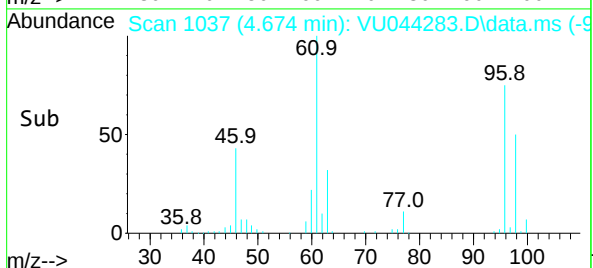
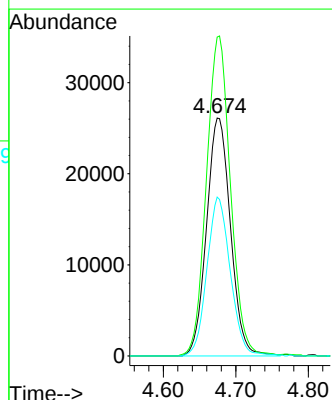
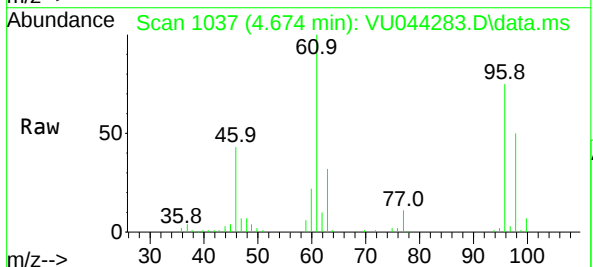
Instrument :
MSVOA_U
ClientSampleId :

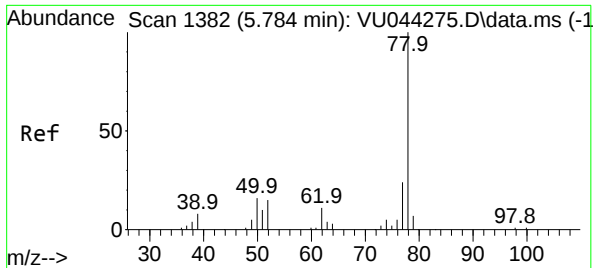
Tgt Ion:	96	Resp:	2212
Ion	Ratio	Lower	Upper
96	100		
61	146.4	100.2	186.2
98	76.2	44.9	83.5



#22
cis-1,2-Dichloroethene
Concen: 6.372 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. -0.004 min
Lab File: VU044283.D
Acq: 01 Jul 2021 13:57

Tgt Ion:	96	Resp:	60063
Ion	Ratio	Lower	Upper
96	100		
61	134.0	98.8	183.6
98	66.8	44.8	83.2

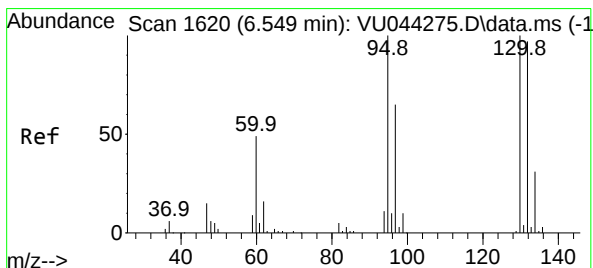
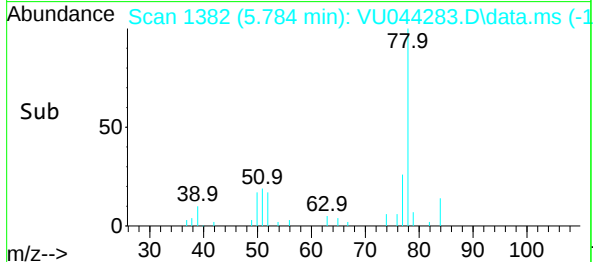
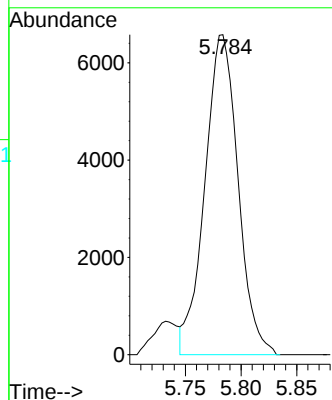
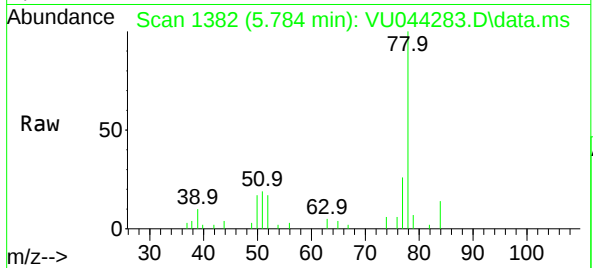




#33
Benzene
Concen: 0.395 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VU044283.D
Acq: 01 Jul 2021 13:57

Instrument :
MSVOA_U
ClientSampled :

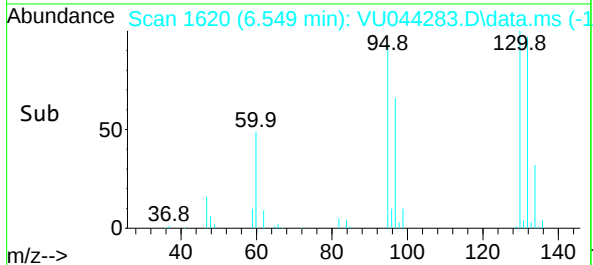
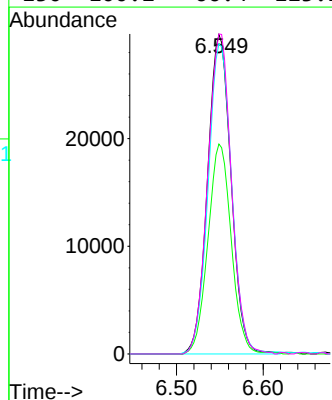
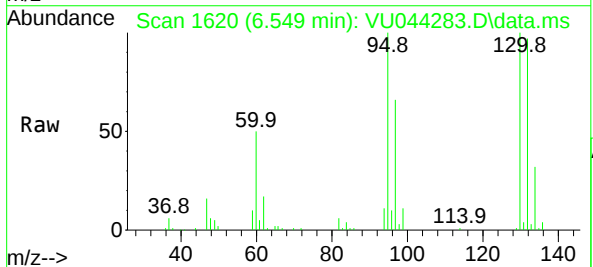
Tgt Ion: 78 Resp: 13633

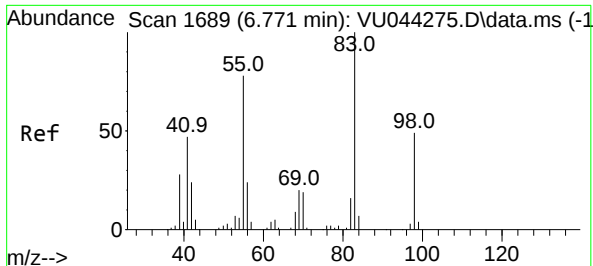


#34
Trichloroethene
Concen: 5.989 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VU044283.D
Acq: 01 Jul 2021 13:57

Tgt Ion: 95 Resp: 55925

Ion	Ratio	Lower	Upper
95	100		
97	65.8	44.3	82.3
132	97.1	64.3	119.5
130	100.2	66.4	123.2





#35

Methylcyclohexane

Concen: 0.862 ug/L

RT: 6.697 min Scan# 1666

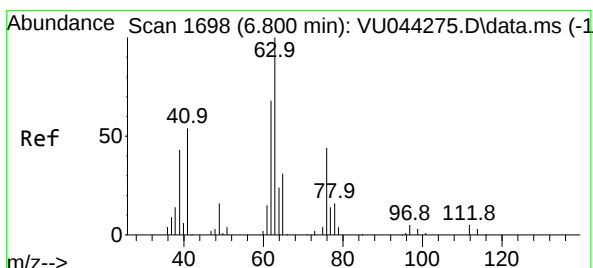
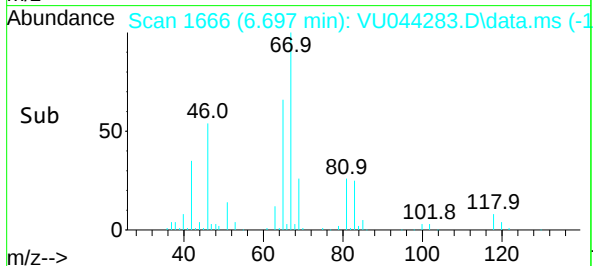
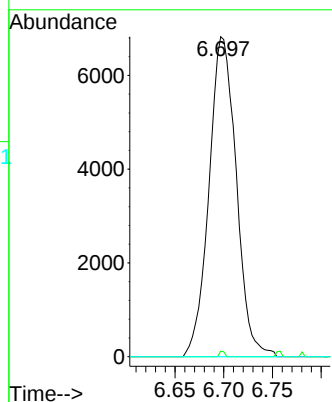
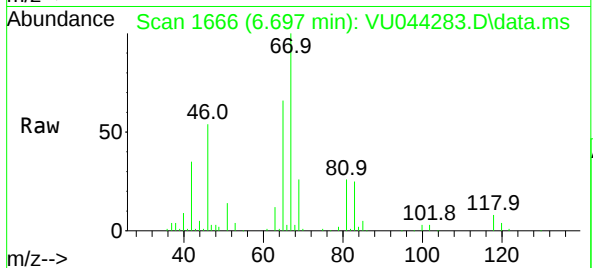
Delta R.T. -0.074 min

Lab File: VU044283.D

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Tgt Ion:	83	Resp:	13291
Ion	Ratio	Lower	Upper
83	100		
55	0.3	63.4	95.0#
98	0.0	39.4	59.0#

Instrument :
MSVOA_U
ClientSampled :



#37

1,2-Dichloropropane

Concen: 0.655 ug/L

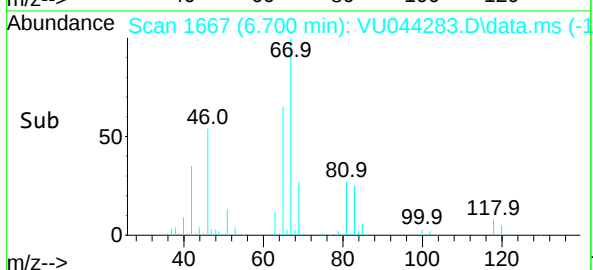
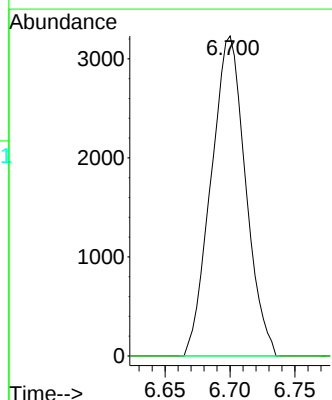
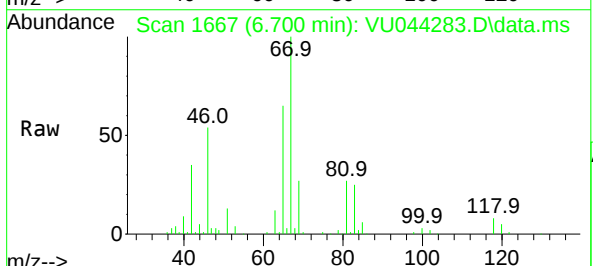
RT: 6.700 min Scan# 1667

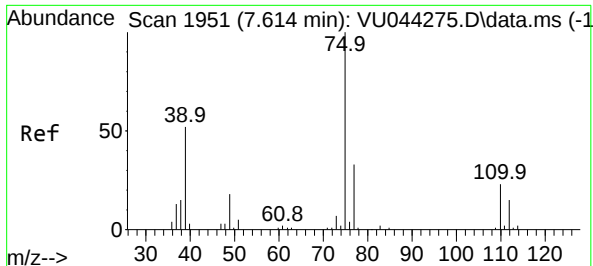
Delta R.T. -0.100 min

Lab File: VU044283.D

Acq: 01 Jul 2021 13:57

Tgt Ion:	63	Resp:	5966
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.5	5.3#



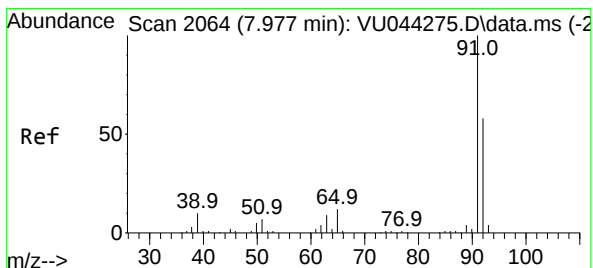
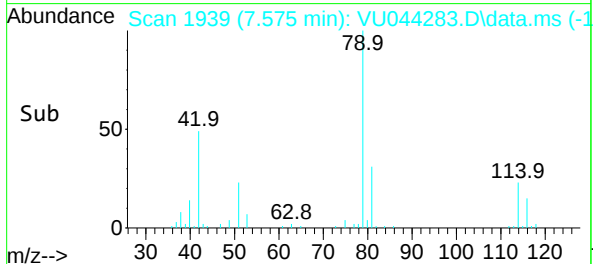
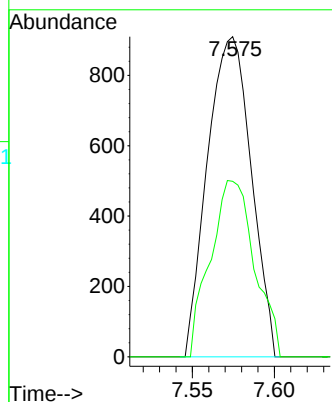
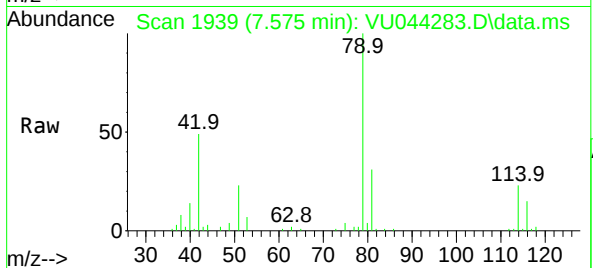


#39

cis-1,3-Dichloropropene
Concen: 0.113 ug/L
RT: 7.575 min Scan# 1939
Delta R.T. -0.039 min
Lab File: VU044283.D
Acq: 01 Jul 2021 13:57

Instrument :
MSVOA_U
ClientSampled :

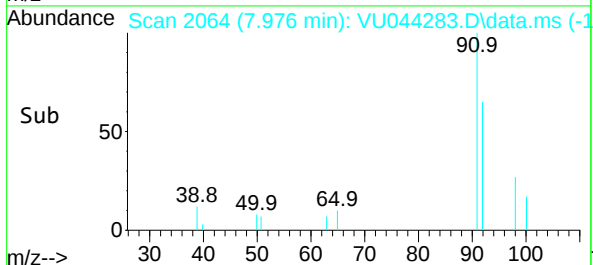
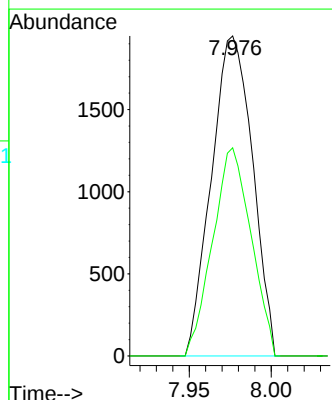
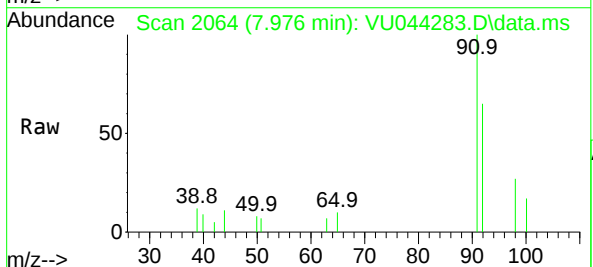
Tgt Ion: 75 Resp: 1685
Ion Ratio Lower Upper
75 100
77 54.8 22.5 41.7#

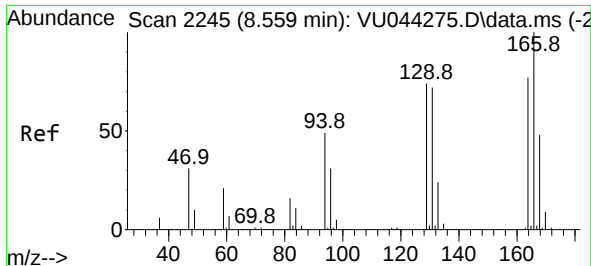


#42

Toluene
Concen: 0.089 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU044283.D
Acq: 01 Jul 2021 13:57

Tgt Ion: 91 Resp: 3390
Ion Ratio Lower Upper
91 100
92 65.0 41.2 76.6

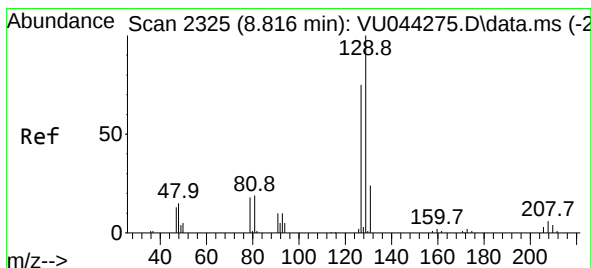
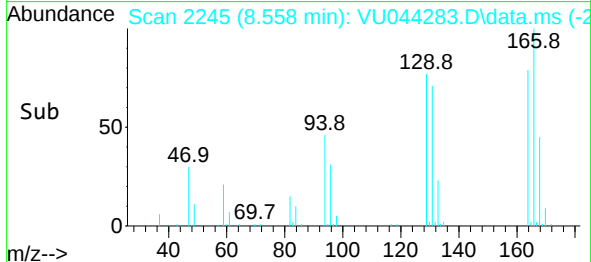
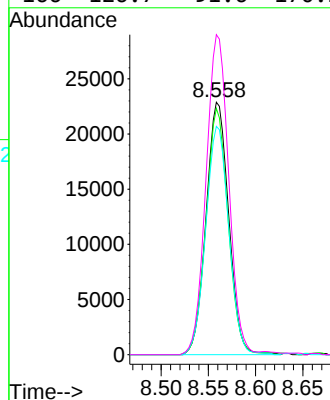
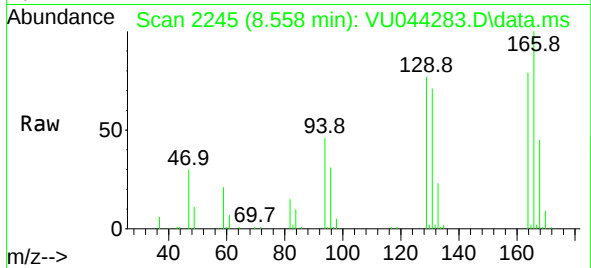




#47
Tetrachloroethene
Concen: 5.518 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.000 min
Lab File: VU044283.D
Acq: 01 Jul 2021 13:57

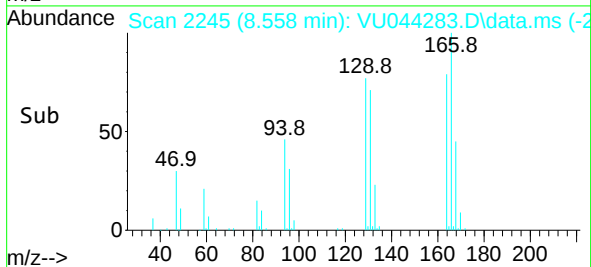
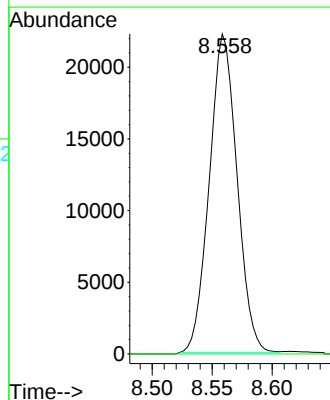
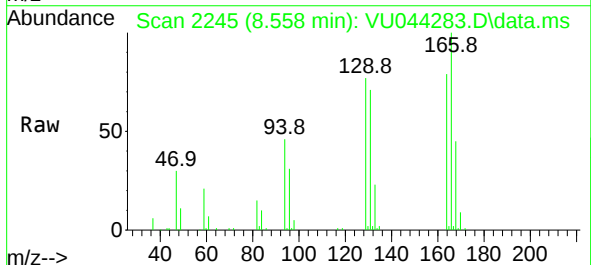
Instrument :
MSVOA_U
ClientSampleId :

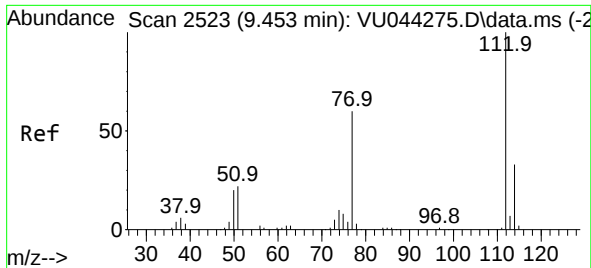
Tgt Ion:164 Resp: 38093
Ion Ratio Lower Upper
164 100
129 97.6 71.8 133.4
131 90.4 66.4 123.2
166 126.7 91.6 170.2



#49
Dibromochloromethane
Concen: 4.101 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.258 min
Lab File: VU044283.D
Acq: 01 Jul 2021 13:57

Tgt Ion:129 Resp: 35682
Ion Ratio Lower Upper
129 100
127 0.0 53.6 99.6#

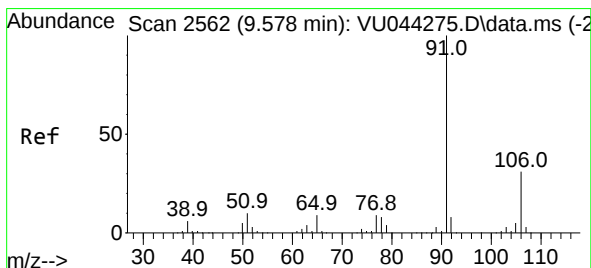
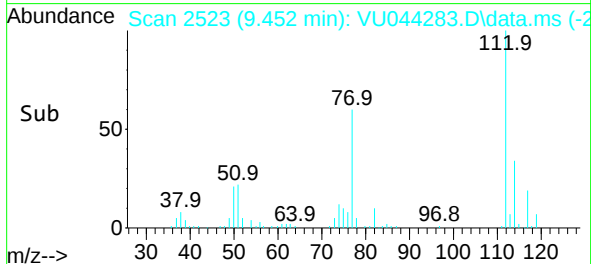
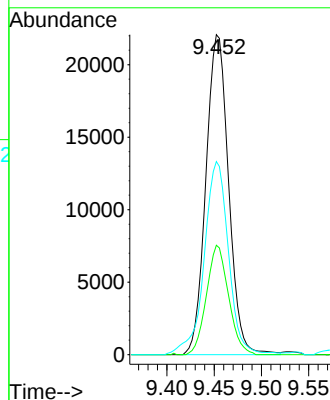
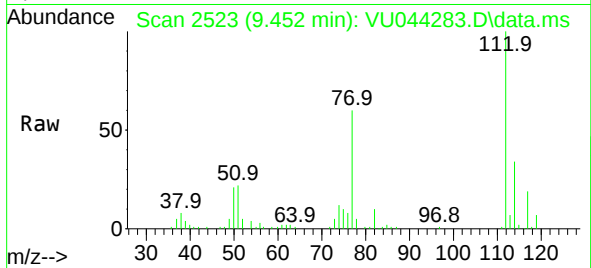




#51
Chlorobenzene
Concen: 1.518 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. -0.000 min
Lab File: VU044283.D
Acq: 01 Jul 2021 13:57

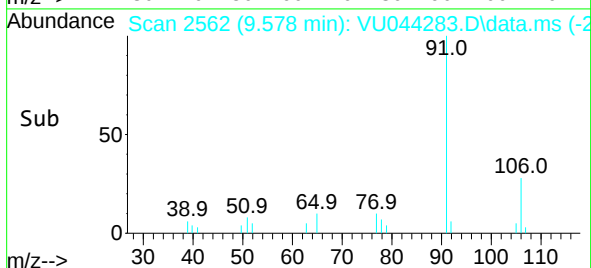
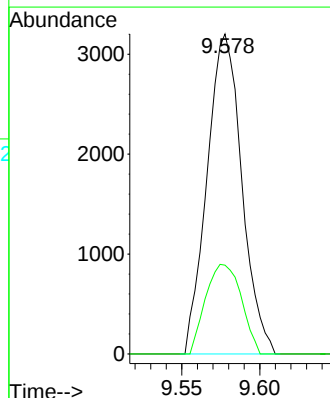
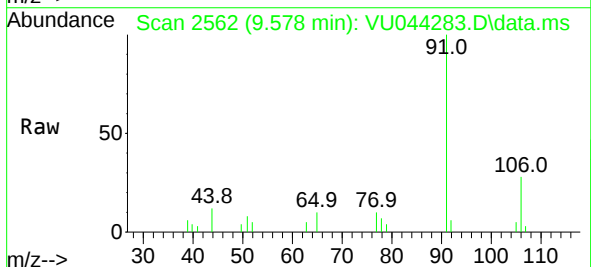
Instrument :
MSVOA_U
ClientSampled :

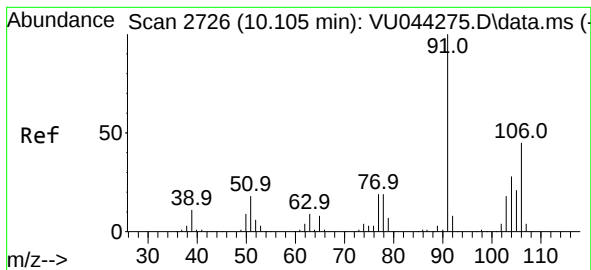
Tgt Ion:112 Resp: 36921
Ion Ratio Lower Upper
112 100
114 34.2 22.0 41.0
77 60.3 48.9 73.3



#52
Ethylbenzene
Concen: 0.113 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. -0.000 min
Lab File: VU044283.D
Acq: 01 Jul 2021 13:57

Tgt Ion: 91 Resp: 4972
Ion Ratio Lower Upper
91 100
106 27.8 21.6 40.2

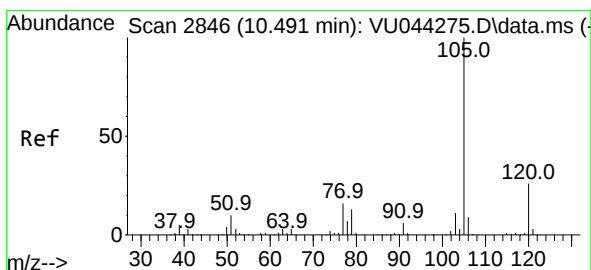
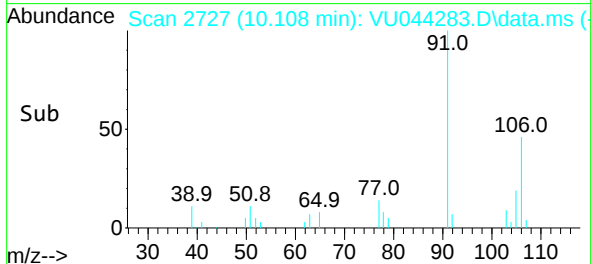
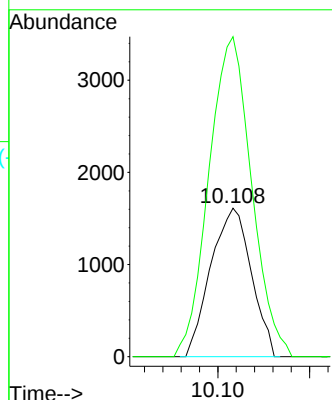
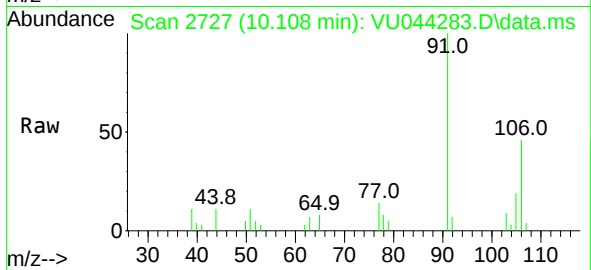




#54
o-Xylene
Concen: 0.153 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.003 min
Lab File: VU044283.D
Acq: 01 Jul 2021 13:57

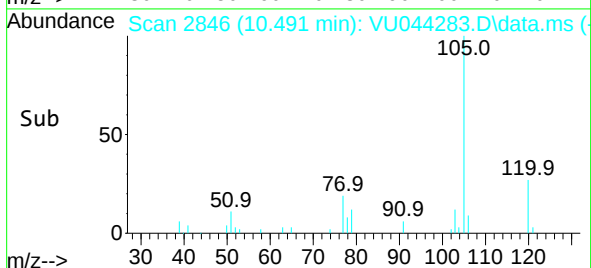
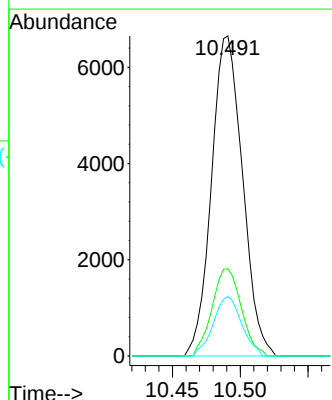
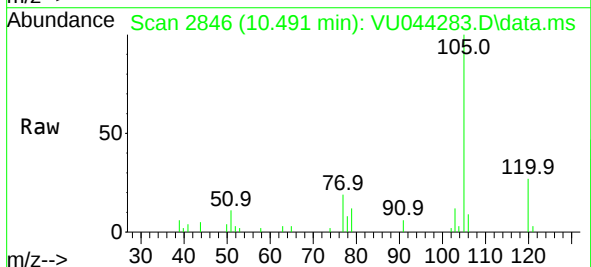
Instrument :
MSVOA_U
ClientSampled :

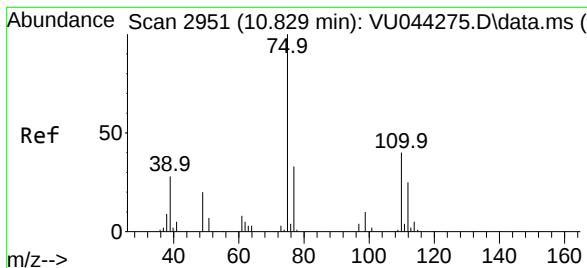
Tgt Ion:106 Resp: 2472
Ion Ratio Lower Upper
106 100
91 215.6 154.8 287.4



#60
Isopropylbenzene
Concen: 0.247 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. -0.000 min
Lab File: VU044283.D
Acq: 01 Jul 2021 13:57

Tgt Ion:105 Resp: 10588
Ion Ratio Lower Upper
105 100
120 25.7 20.7 31.1
77 17.0 12.9 19.3





#61

1,2,3-Trichloropropane

Concen: 1.721 ug/L

RT: 11.819 min Scan# 3259

Delta R.T. 0.990 min

Lab File: VU044283.D

Acq: 01 Jul 2021 13:57

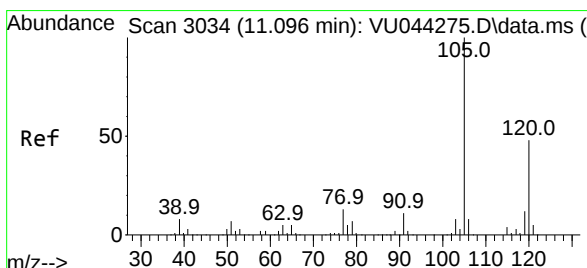
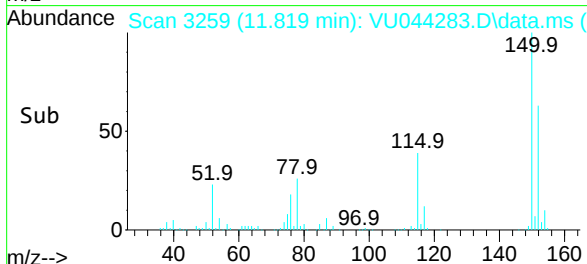
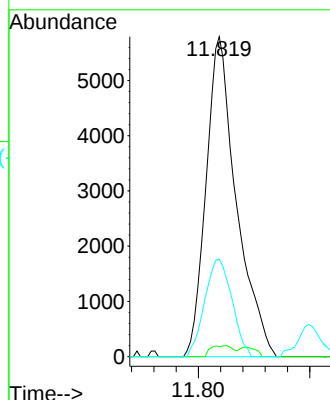
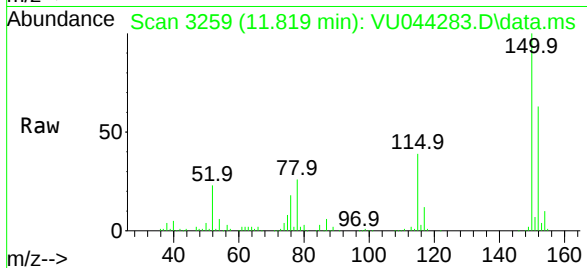
Tgt Ion: 75 Resp: 10946

Ion Ratio Lower Upper

75 100

110 2.6 30.5 45.7#

77 27.4 26.1 39.1



#62

1,3,5-Trimethylbenzene

Concen: 0.153 ug/L

RT: 11.095 min Scan# 3034

Delta R.T. -0.000 min

Lab File: VU044283.D

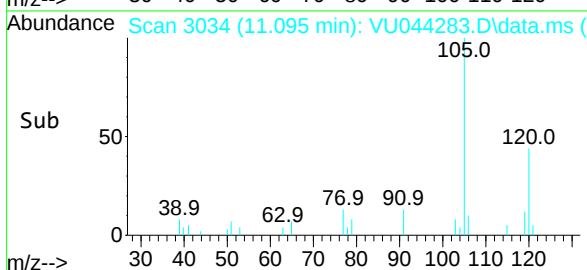
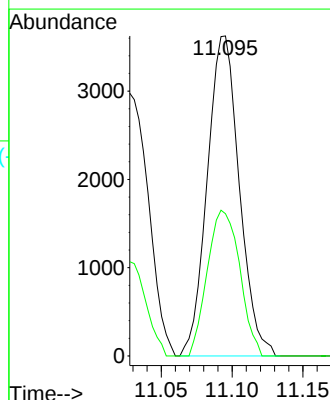
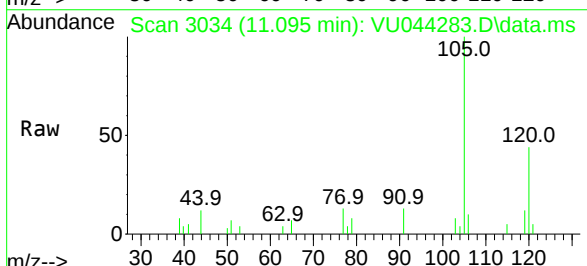
Acq: 01 Jul 2021 13:57

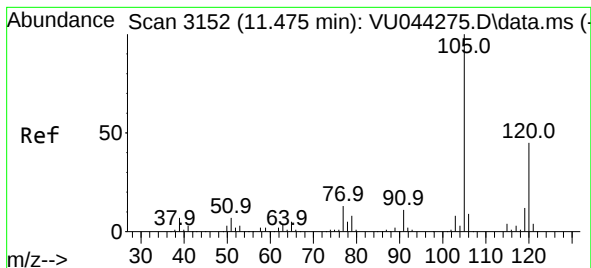
Tgt Ion: 105 Resp: 5709

Ion Ratio Lower Upper

105 100

120 46.0 38.0 57.0

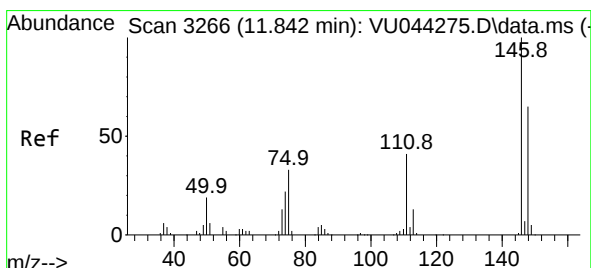
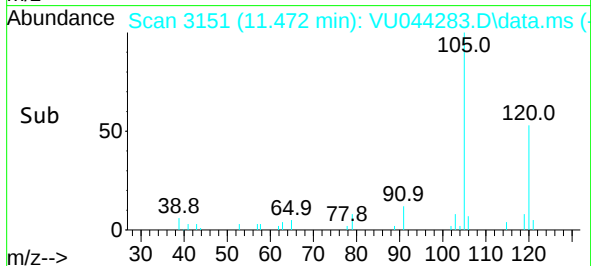
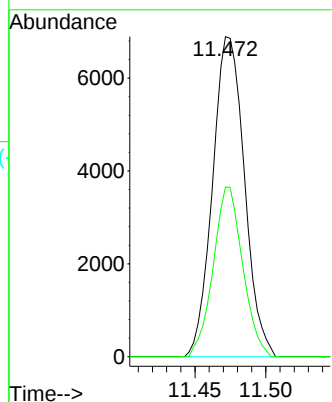
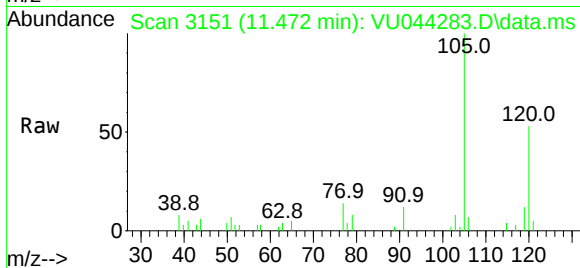




#63
1,2,4-Trimethylbenzene
Concen: 0.282 ug/L
RT: 11.472 min Scan# 3151
Delta R.T. -0.004 min
Lab File: VU044283.D
Acq: 01 Jul 2021 13:57

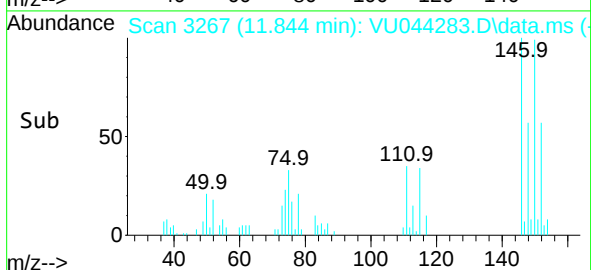
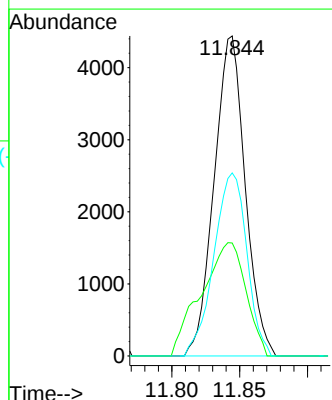
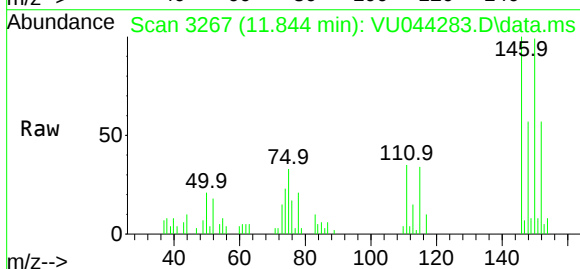
Instrument :
MSVOA_U
ClientSampled :

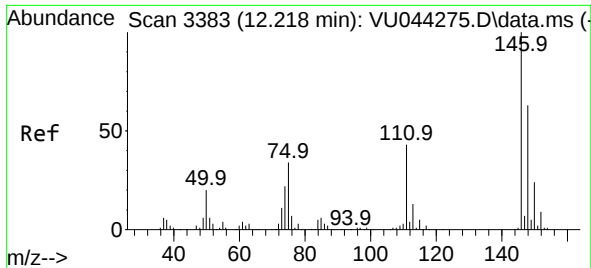
Tgt Ion:105 Resp: 10765
Ion Ratio Lower Upper
105 100
120 49.1 35.6 53.4



#65
1,4-Dichlorobenzene
Concen: 0.363 ug/L
RT: 11.844 min Scan# 3267
Delta R.T. 0.003 min
Lab File: VU044283.D
Acq: 01 Jul 2021 13:57

Tgt Ion:146 Resp: 7079
Ion Ratio Lower Upper
146 100
111 35.3 28.2 52.4
148 57.2 45.1 83.9

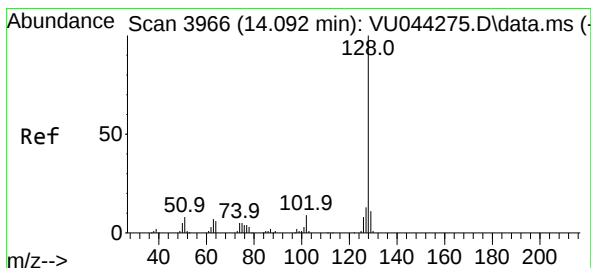
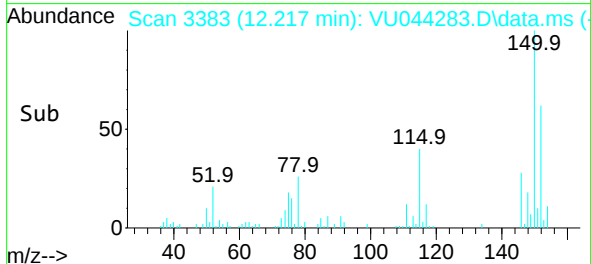
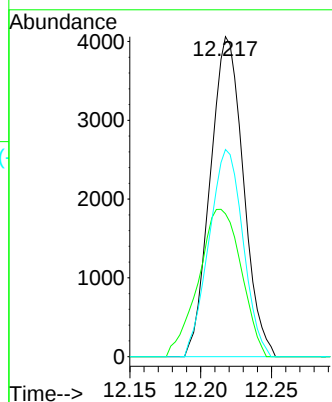
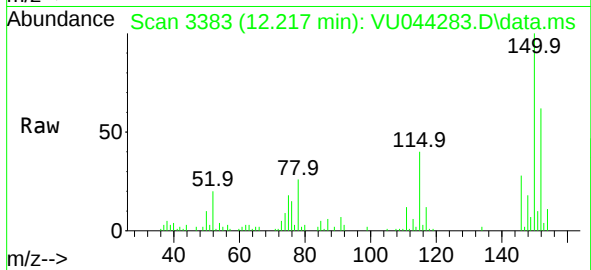




#67
1,2-Dichlorobenzene
Concen: 0.363 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. -0.000 min
Lab File: VU044283.D
Acq: 01 Jul 2021 13:57

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:146 Resp: 6595
Ion Ratio Lower Upper
146 100
111 44.6 35.0 52.6
148 64.7 51.2 76.8



#71
Naphthalene
Concen: 0.153 ug/L
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044283.D
Acq: 01 Jul 2021 13:57

Tgt Ion:128 Resp: 3468
Ion Ratio Lower Upper
128 100
129 6.7 8.9 13.3#
127 12.0 10.3 15.5

