

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070221\
 Data File : VU044303.D
 Acq On : 02 Jul 2021 14:57
 Operator : SY/MD
 Sample : M2914-11DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 03 05:00:18 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	133138	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	128282	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	68115	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	25795	3.578	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.600%
7) Chloroethane-d5	1.919	69	30405	4.284	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.600%
11) 1,1-Dichloroethene-d2	2.575	65	14395	3.891	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.800%
20) 2-Butanone-d5	4.645	46	150898	56.847	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.700%
24) Chloroform-d	5.073	84	73300	4.517	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
26) 1,2-Dichloroethane-d4	5.710	65	44335	4.571	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
32) Benzene-d6	5.735	84	146146	4.587	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
36) 1,2-Dichloropropane-d6	6.700	67	49373	4.782	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.600%
41) Toluene-d8	7.906	98	135985	4.600	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.000%
43) trans-1,3-Dichloroprop...	8.185	79	19676	4.108	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.200%
46) 2-Hexanone-d5	8.642	63	126287	55.362	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.720%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	45464	4.953	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.000%
66) 1,2-Dichlorobenzene-d4	12.198	152	56757	5.057	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	1017	0.108	ug/L #	1
12) 1,1-Dichloroethene	2.584	96	1191	0.155	ug/L #	1
13) Acetone	2.652	43	2873	2.421	ug/L	83
16) Methylene chloride	3.054	84	4232	0.408	ug/L	92
18) trans-1,2-Dichloroethene	3.363	96	3348	0.409	ug/L	95
22) cis-1,2-Dichloroethene	4.678	96	79337	8.861	ug/L	95
27) 1,2-Dichloroethane	5.739	62	853	0.077	ug/L #	76
33) Benzene	5.787	78	9712	0.289	ug/L	100
34) Trichloroethene	6.549	95	7204	0.790	ug/L	95
35) Methylcyclohexane	6.697	83	11899	0.791	ug/L #	18
37) 1,2-Dichloropropane	6.697	63	5383	0.606	ug/L #	87
39) cis-1,3-Dichloropropene	7.575	75	1389	0.095	ug/L #	69
48) 2-Hexanone	8.642	43	14227	2.827	ug/L #	70
51) Chlorobenzene	9.452	112	23958	1.009	ug/L	93
61) 1,2,3-Trichloropropane	11.819	75	10068	1.637	ug/L #	63
65) 1,4-Dichlorobenzene	11.841	146	5021	0.266	ug/L	96
67) 1,2-Dichlorobenzene	12.221	146	7490	0.426	ug/L	98

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Quant Time: Jul 03 05:00:18 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

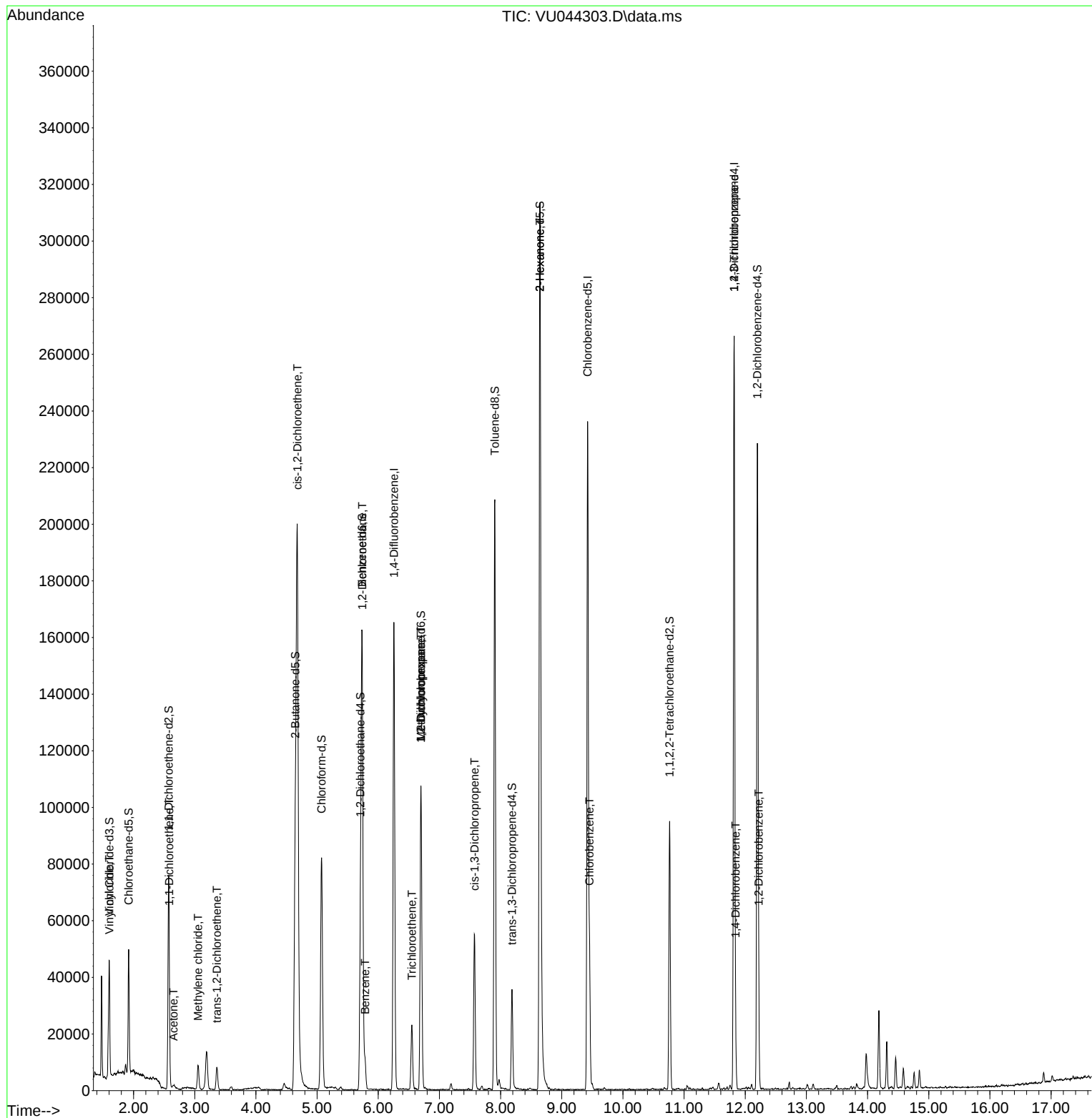
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

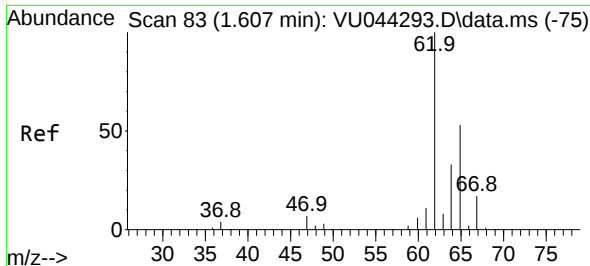
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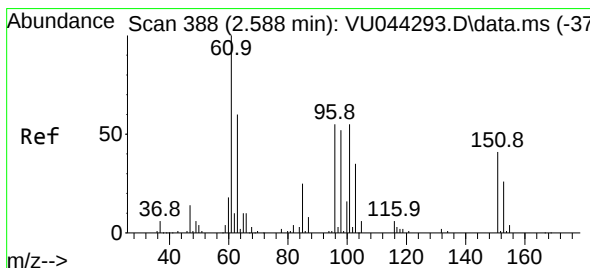
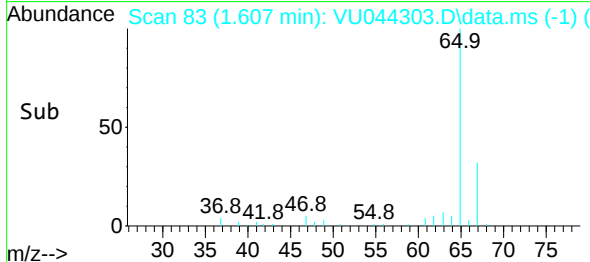
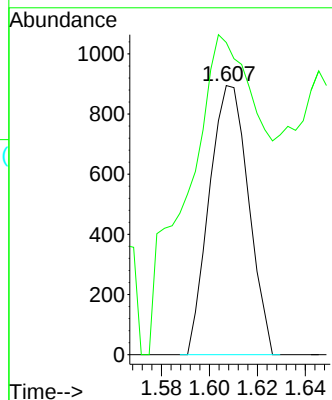
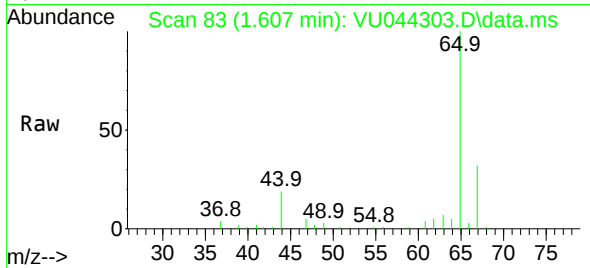




#5
 Vinyl chloride
 Concen: 0.108 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU044303.D
 Acq: 02 Jul 2021 14:57

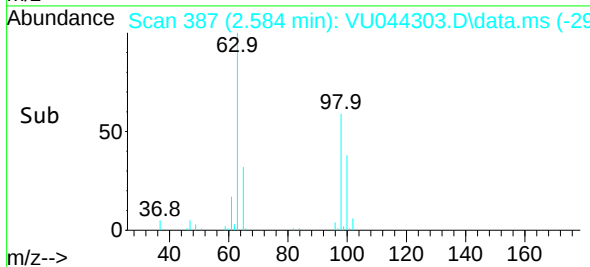
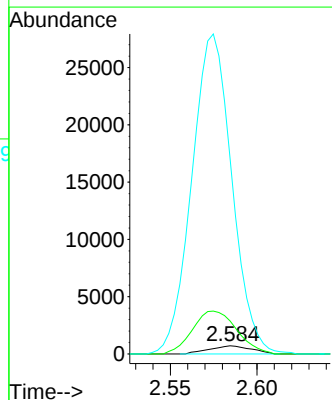
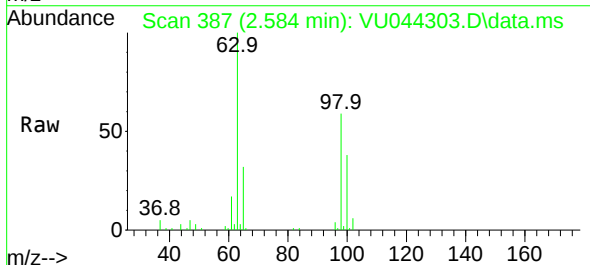
Instrument :
 MSVOA_U
 ClientSampled :

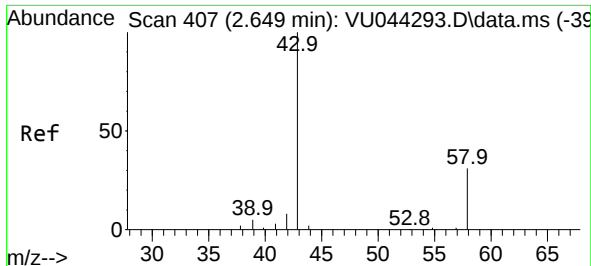
Tgt Ion: 62 Resp: 1017
 Ion Ratio Lower Upper
 62 100
 64 116.0 23.7 44.1#



#12
 1,1-Dichloroethene
 Concen: 0.155 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU044303.D
 Acq: 02 Jul 2021 14:57

Tgt Ion: 96 Resp: 1191
 Ion Ratio Lower Upper
 96 100
 61 406.7 128.6 238.8#
 63 2412.5 84.3 156.5#

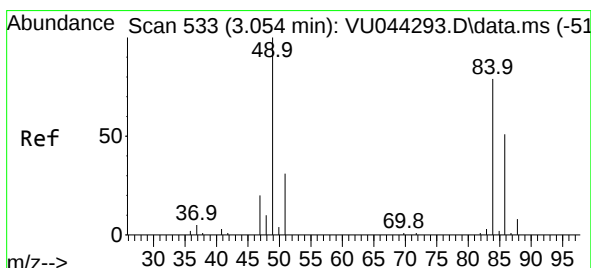
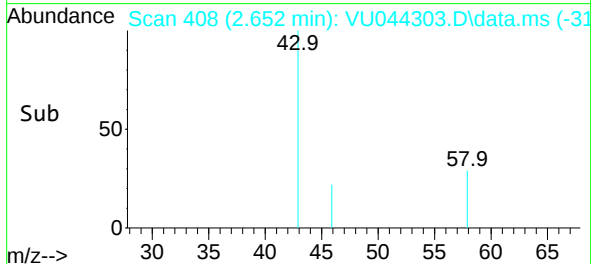
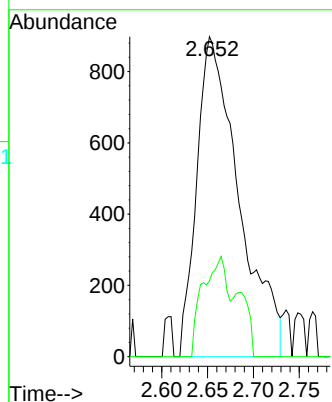
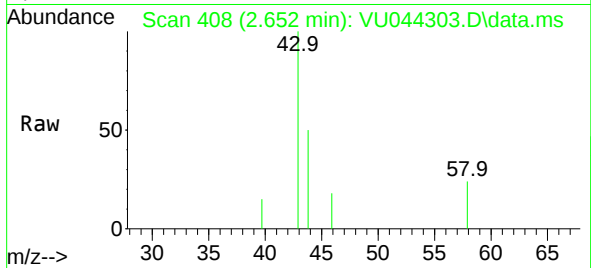




#13
Acetone
Concen: 2.421 ug/L
RT: 2.652 min Scan# 408
Delta R.T. 0.003 min
Lab File: VU044303.D
Acq: 02 Jul 2021 14:57

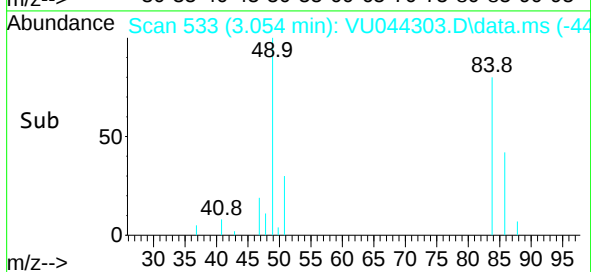
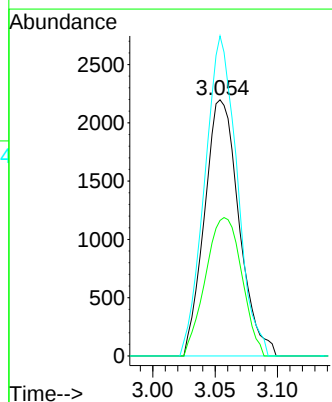
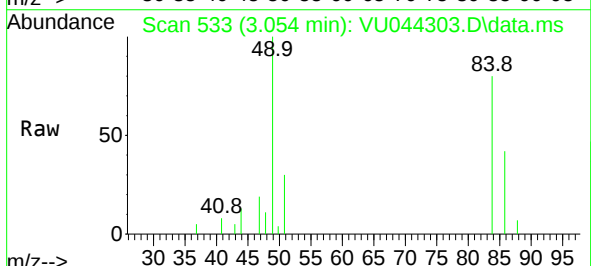
Instrument :
MSVOA_U
ClientSampled :

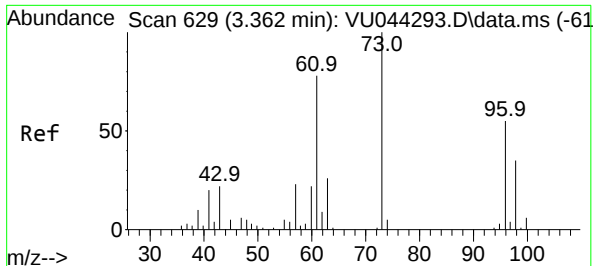
Tgt Ion: 43 Resp: 2873
Ion Ratio Lower Upper
43 100
58 18.1 0.0 53.8



#16
Methylene chloride
Concen: 0.408 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.000 min
Lab File: VU044303.D
Acq: 02 Jul 2021 14:57

Tgt Ion: 84 Resp: 4232
Ion Ratio Lower Upper
84 100
86 52.9 46.1 85.5
49 130.3 88.4 164.2



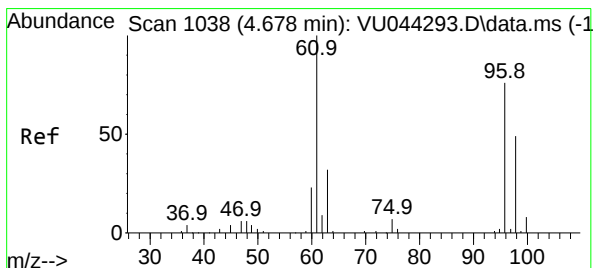
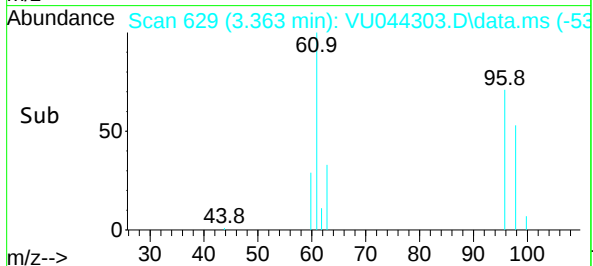
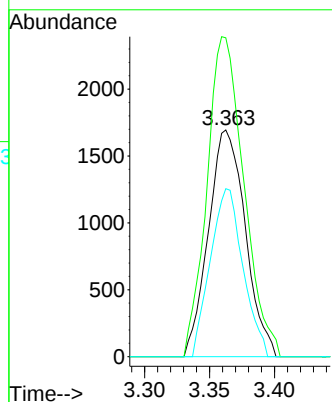
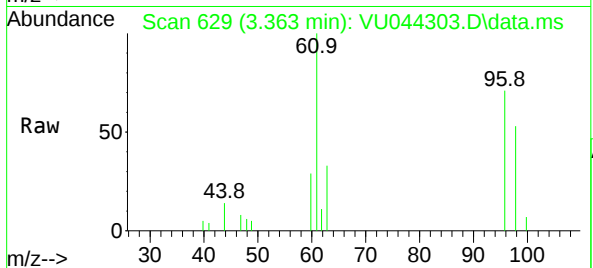


#18

trans-1,2-Dichloroethene
Concen: 0.409 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU044303.D
Acq: 02 Jul 2021 14:57

Instrument :
MSVOA_U
ClientSampled :

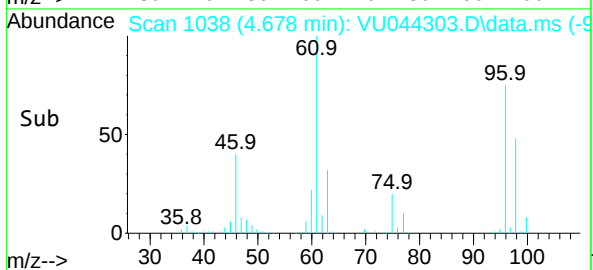
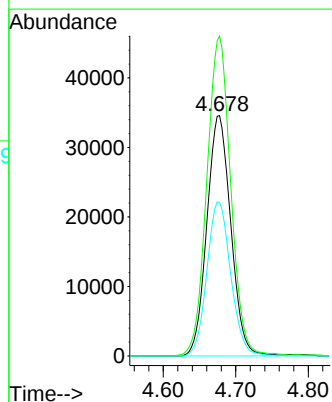
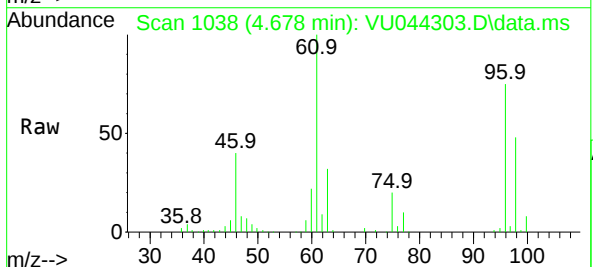
Tgt Ion: 96 Resp: 3348
Ion Ratio Lower Upper
96 100
61 140.6 100.2 186.2
98 74.1 44.9 83.5

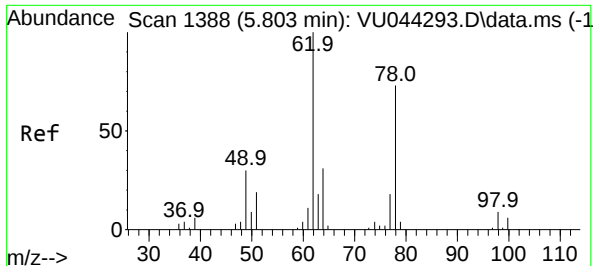


#22

cis-1,2-Dichloroethene
Concen: 8.861 ug/L
RT: 4.678 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VU044303.D
Acq: 02 Jul 2021 14:57

Tgt Ion: 96 Resp: 79337
Ion Ratio Lower Upper
96 100
61 133.2 98.8 183.6
98 63.9 44.8 83.2





#27

1,2-Dichloroethane

Concen: 0.077 ug/L

RT: 5.739 min Scan# 1368

Delta R.T. -0.064 min

Lab File: VU044303.D

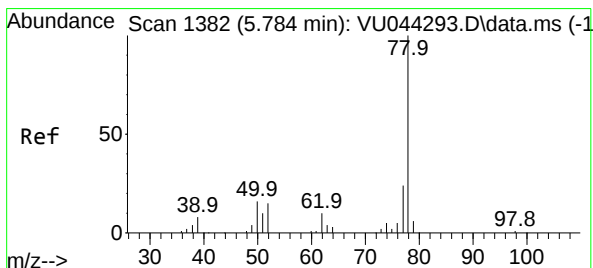
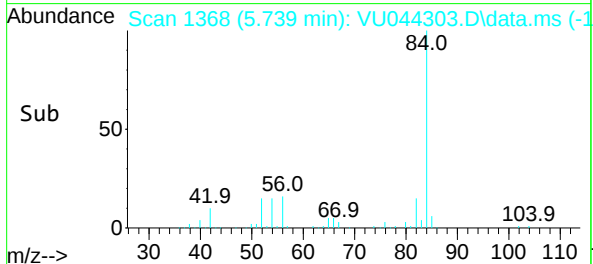
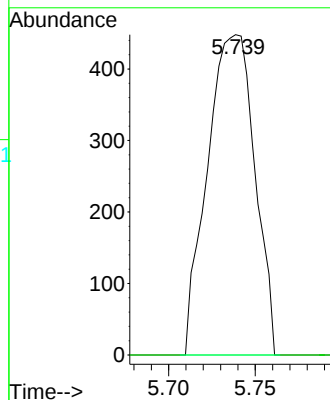
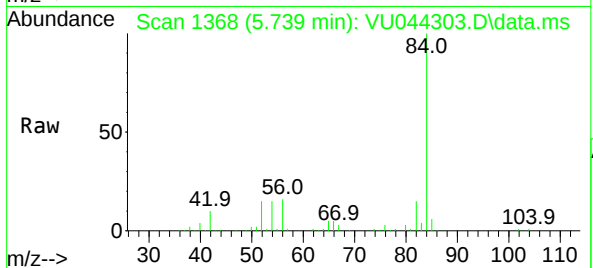
Acq: 02 Jul 2021 14:57

Tgt Ion: 62 Resp: 853

Ion Ratio Lower Upper

62 100

98 0.0 6.8 10.2#



#33

Benzene

Concen: 0.289 ug/L

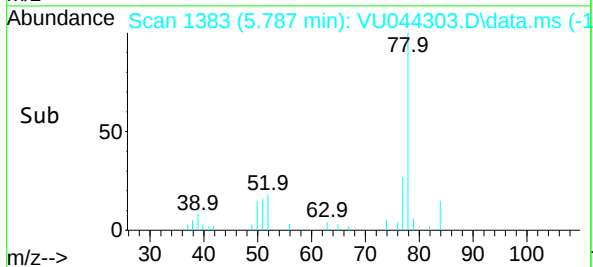
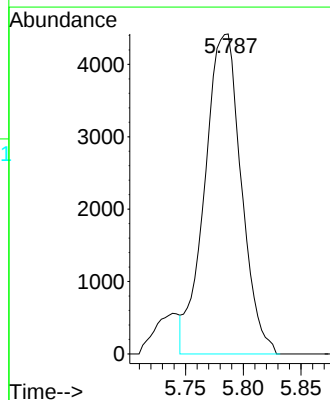
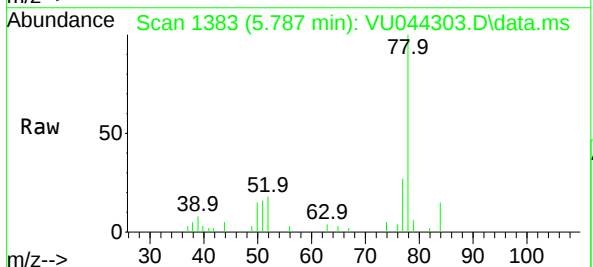
RT: 5.787 min Scan# 1383

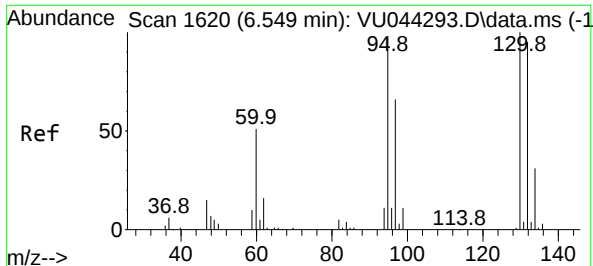
Delta R.T. 0.003 min

Lab File: VU044303.D

Acq: 02 Jul 2021 14:57

Tgt Ion: 78 Resp: 9712



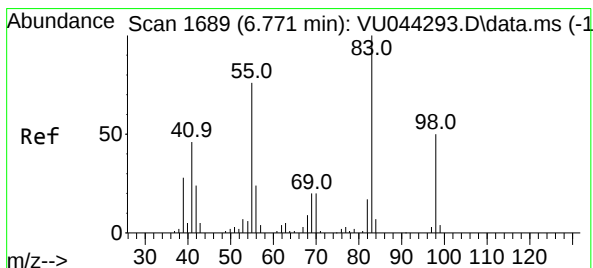
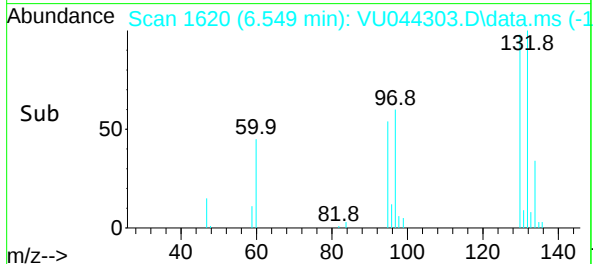
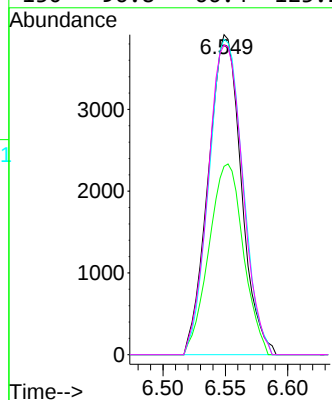
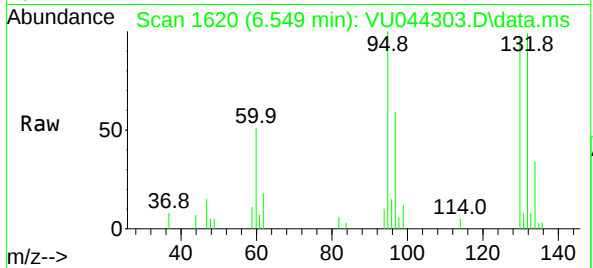


#34
Trichloroethene
Concen: 0.790 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VU044303.D
Acq: 02 Jul 2021 14:57

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 95 Resp: 7204

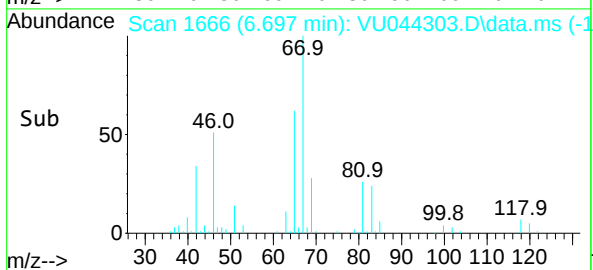
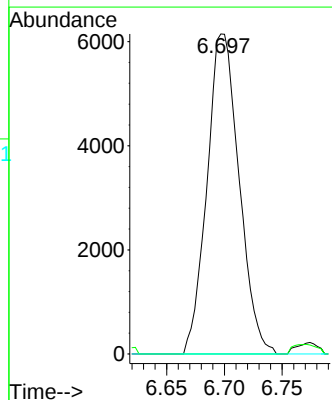
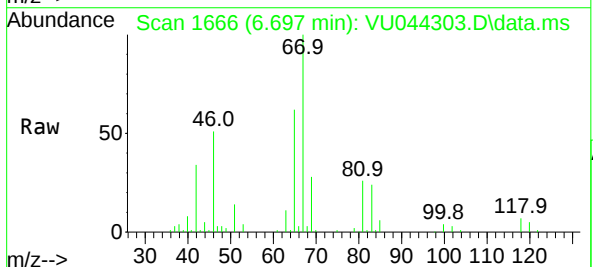
Ion	Ratio	Lower	Upper
95	100		
97	58.9	44.3	82.3
132	98.5	64.3	119.5
130	96.8	66.4	123.2

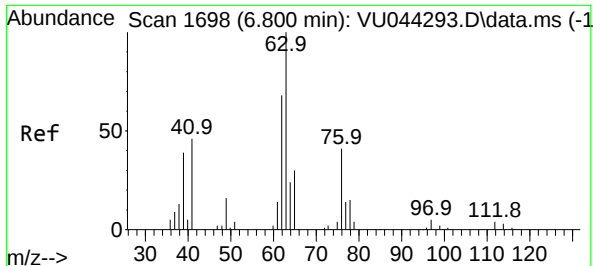


#35
Methylcyclohexane
Concen: 0.791 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.074 min
Lab File: VU044303.D
Acq: 02 Jul 2021 14:57

Tgt Ion: 83 Resp: 11899

Ion	Ratio	Lower	Upper
83	100		
55	2.2	63.4	95.0#
98	0.0	39.4	59.0#



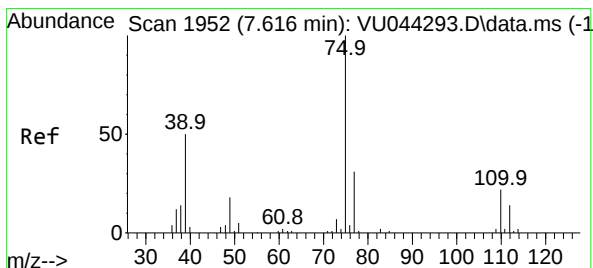
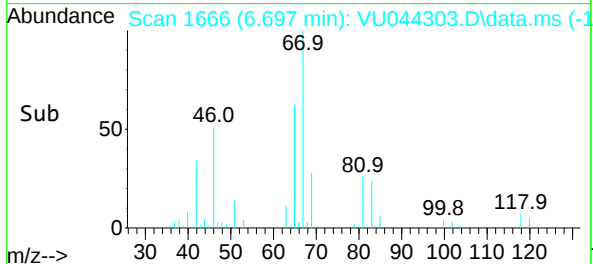
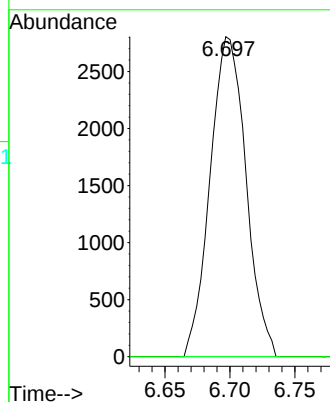
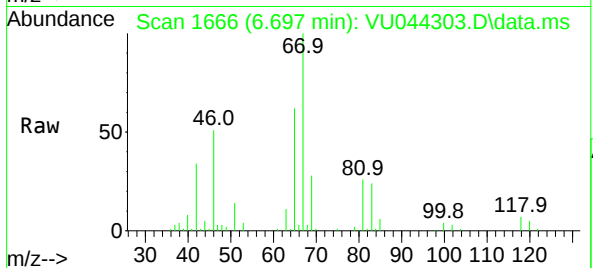


#37

1,2-Dichloropropane
Concen: 0.606 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.103 min
Lab File: VU044303.D
Acq: 02 Jul 2021 14:57

Instrument :
MSVOA_U
ClientSampled :

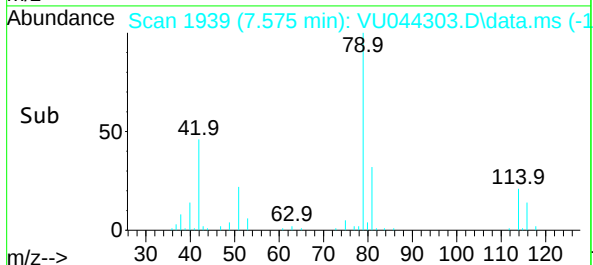
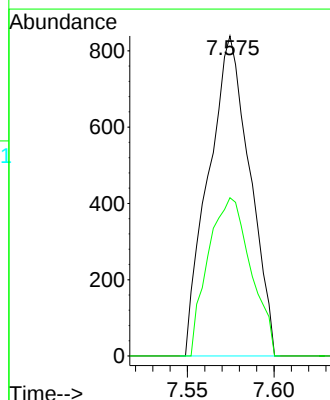
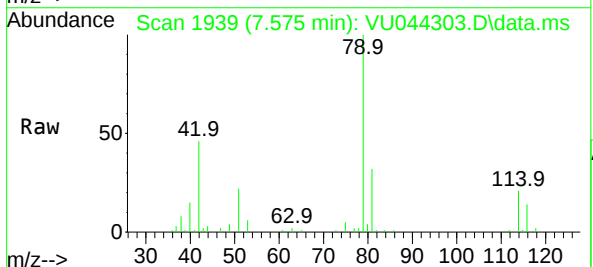
Tgt Ion: 63 Resp: 5383
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

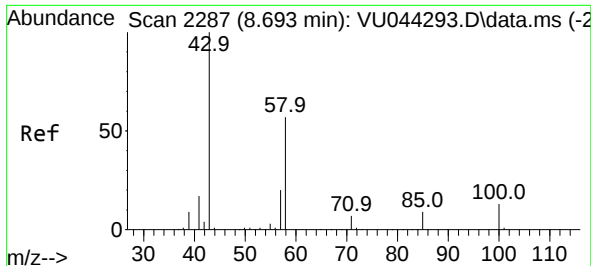


#39

cis-1,3-Dichloropropene
Concen: 0.095 ug/L
RT: 7.575 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU044303.D
Acq: 02 Jul 2021 14:57

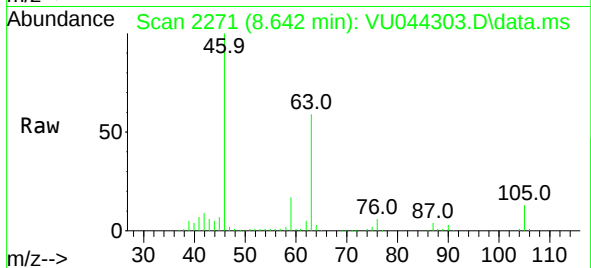
Tgt Ion: 75 Resp: 1389
Ion Ratio Lower Upper
75 100
77 49.5 22.5 41.7#



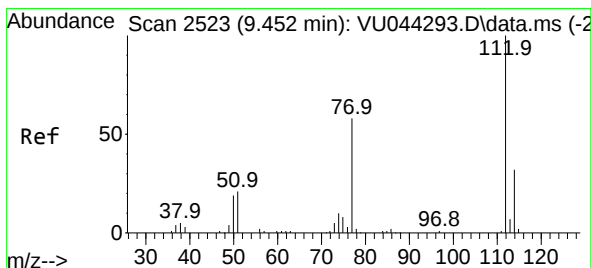
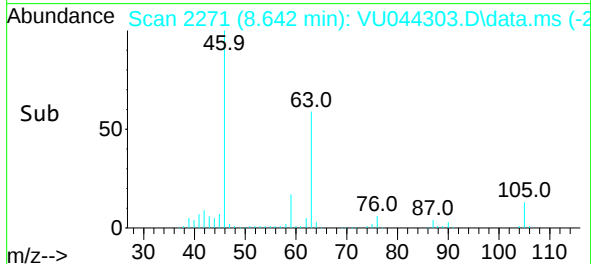
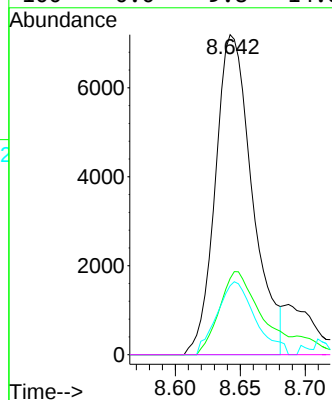


#48
2-Hexanone
Concen: 2.827 ug/L
RT: 8.642 min Scan# 2271
Delta R.T. -0.051 min
Lab File: VU044303.D
Acq: 02 Jul 2021 14:57

Instrument :
MSVOA_U
ClientSampled :

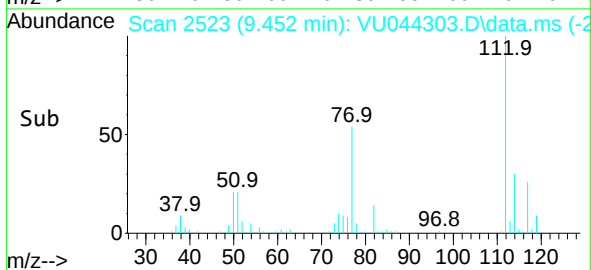
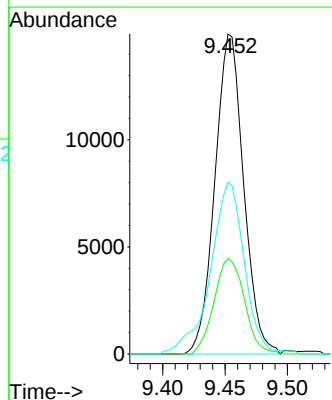
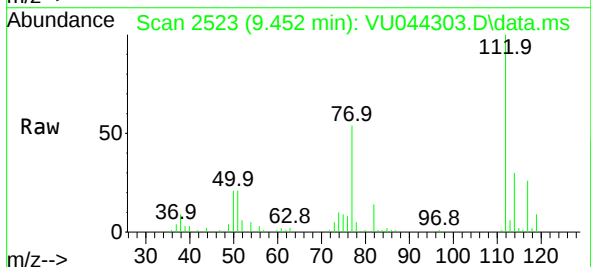


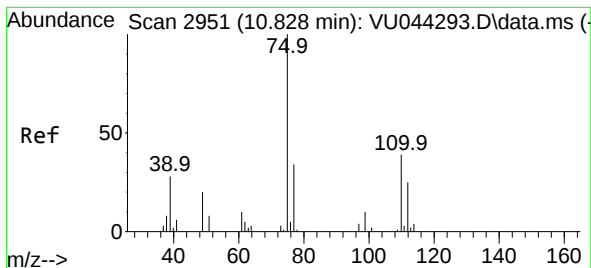
Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.3	44.7	67.1#
57	23.5	15.7	23.5
100	0.0	9.8	14.8#



#51
Chlorobenzene
Concen: 1.009 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. 0.000 min
Lab File: VU044303.D
Acq: 02 Jul 2021 14:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	29.9	22.0	41.0
77	53.7	48.9	73.3

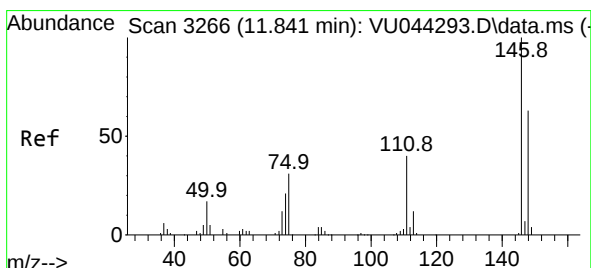
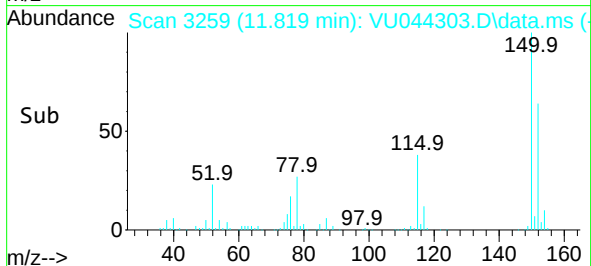
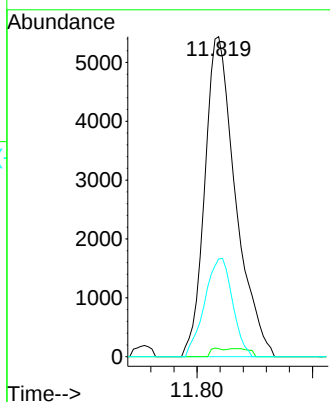
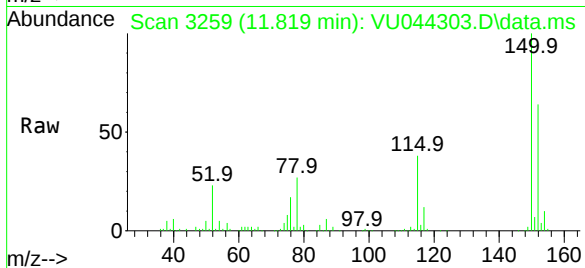




#61
1,2,3-Trichloropropane
Concen: 1.637 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.990 min
Lab File: VU044303.D
Acq: 02 Jul 2021 14:57

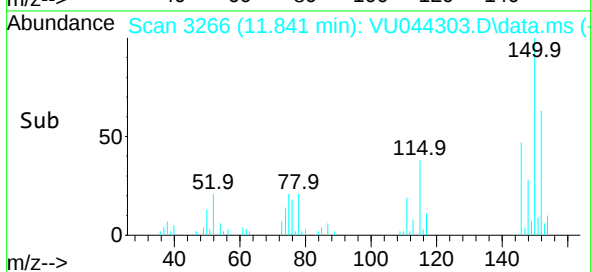
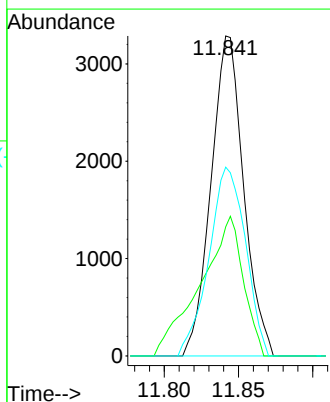
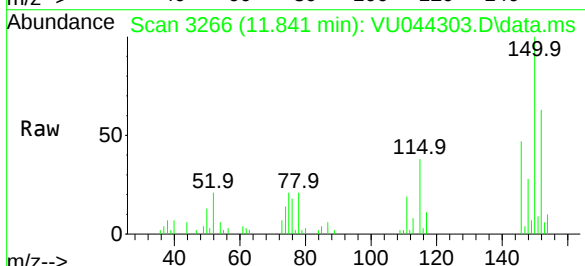
Instrument :
MSVOA_U
ClientSampled :

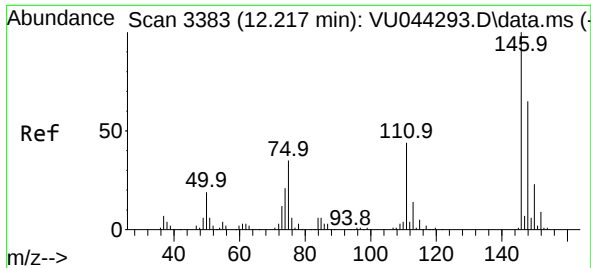
Tgt Ion: 75 Resp: 10068
Ion Ratio Lower Upper
75 100
110 1.0 30.5 45.7#
77 27.7 26.1 39.1



#65
1,4-Dichlorobenzene
Concen: 0.266 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. 0.000 min
Lab File: VU044303.D
Acq: 02 Jul 2021 14:57

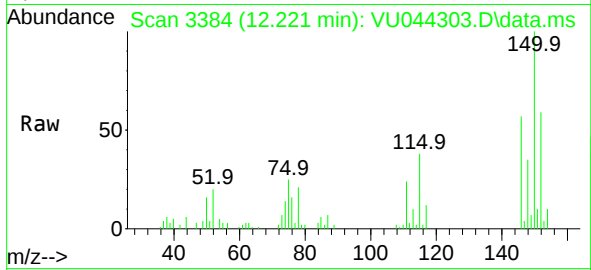
Tgt Ion: 146 Resp: 5021
Ion Ratio Lower Upper
146 100
111 40.3 28.2 52.4
148 59.0 45.1 83.9





#67
 1,2-Dichlorobenzene
 Concen: 0.426 ug/L
 RT: 12.221 min Scan# 3384
 Delta R.T. 0.003 min
 Lab File: VU044303.D
 Acq: 02 Jul 2021 14:57

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	146	Resp:	7490
Ion	Ratio	Lower	Upper
146	100		
111	42.4	35.0	52.6
148	61.9	51.2	76.8

