

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051321\
 Data File : VU043700.D
 Acq On : 13 May 2021 13:09
 Operator : SY/MD
 Sample : M2376-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 14 01:49:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR050321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 14 01:48:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	91265	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	90957	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	40195	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	24331	3.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.20%
7) Chloroethane-d5	1.919	69	22311	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	2.575	65	12332	3.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.40%
20) 2-Butanone-d5	4.642	46	151803	66.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	133.26%#
24) Chloroform-d	5.073	84	61943	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.713	65	40128	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.735	84	106460	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
36) 1,2-Dichloropropane-d6	6.700	67	41258	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.906	98	84592	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.80%
43) trans-1,3-Dichloroprop...	8.185	79	14767	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.642	63	92283	63.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.42%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	36583	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
66) 1,2-Dichlorobenzene-d4	12.201	152	34269	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.645	85	1258	0.20	ug/L	95
3) Chloromethane	1.520	50	620	0.10	ug/L	89
5) Vinyl chloride	1.607	62	93218	15.09	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	2555	0.43	ug/L #	85
12) 1,1-Dichloroethene	2.588	96	2504	0.49	ug/L #	1
13) Acetone	2.655	43	4797	3.16	ug/L	96
15) Methyl Acetate	2.973	43	346	0.10	ug/L #	58
18) trans-1,2-Dichloroethene	3.366	96	975	0.18	ug/L	78
19) 1,1-Dichloroethane	3.880	63	282192	22.30	ug/L	99
22) cis-1,2-Dichloroethene	4.678	96	258411	41.34	ug/L	97
29) 1,1,1-Trichloroethane	5.327	97	2338	0.22	ug/L #	87
34) Trichloroethene	6.549	95	5747	0.94	ug/L	92
35) Methylcyclohexane	6.700	83	9133	1.15	ug/L #	14
37) 1,2-Dichloropropane	6.700	63	4766	0.67	ug/L #	90
39) cis-1,3-Dichloropropene	7.574	75	1233	0.13	ug/L	94
42) Toluene	7.980	91	1972	0.08	ug/L	96
48) 2-Hexanone	8.693	43	3606	0.83	ug/L #	82
51) Chlorobenzene	9.455	112	3467	0.22	ug/L	97
61) 1,2,3-Trichloropropane	11.819	75	5373	1.32	ug/L #	66

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QLast Update : Fri May 14 01:48:16 2021
Response via : Initial Calibration

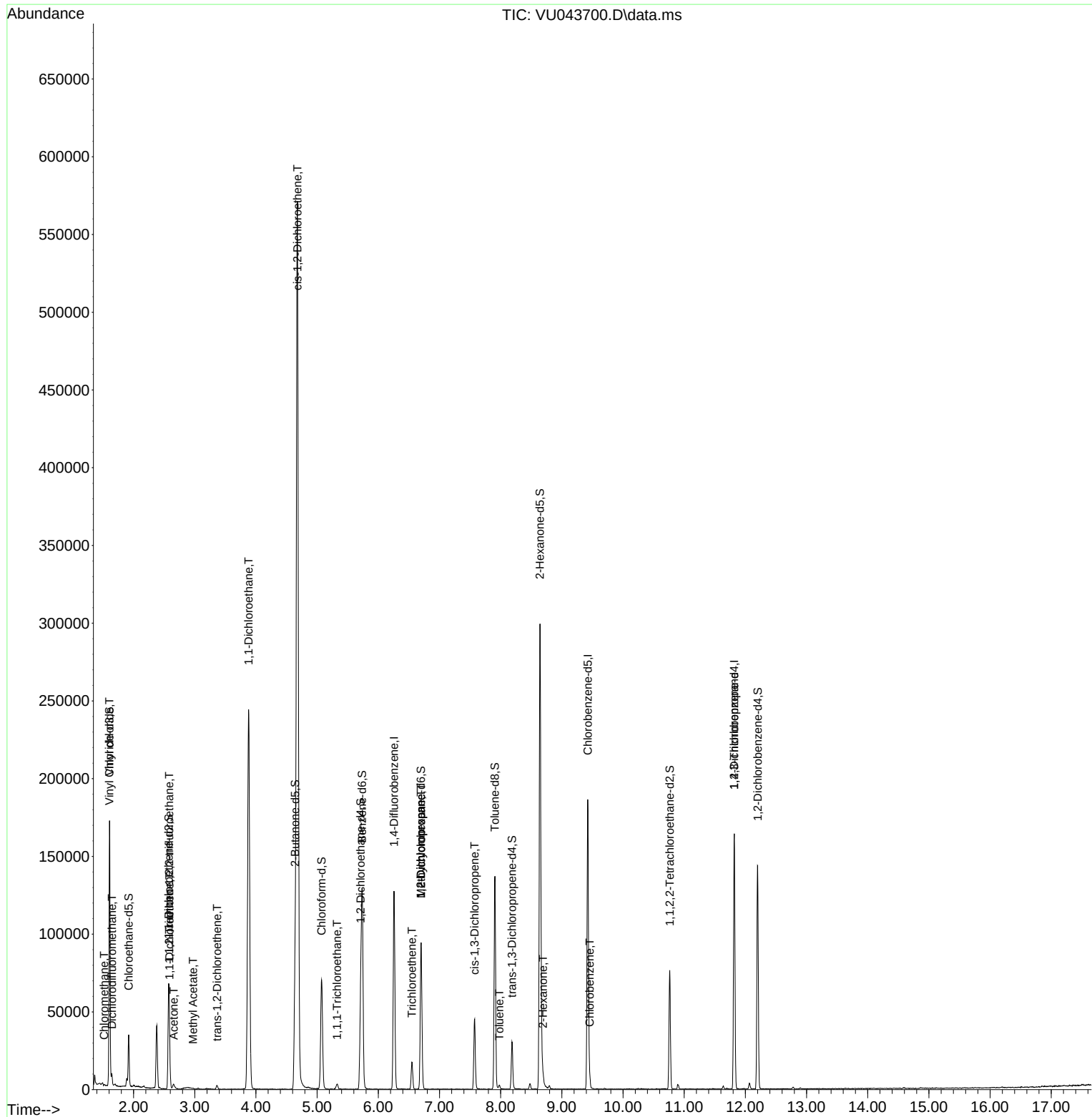
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

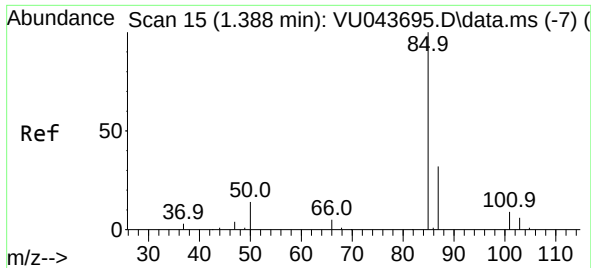
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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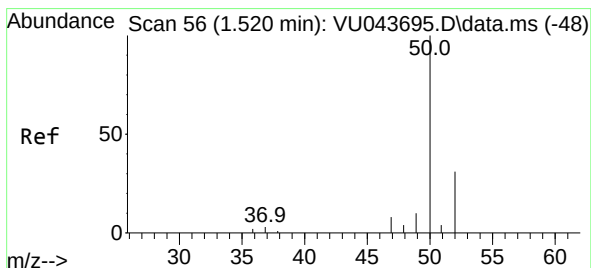
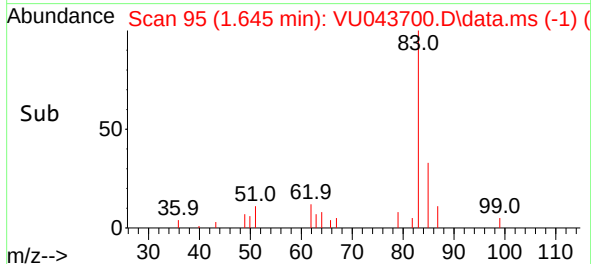
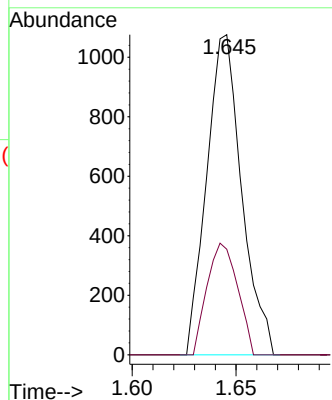
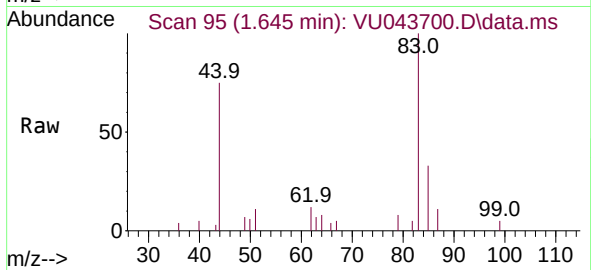




#2
Dichlorodifluoromethane
Concen: 0.20 ug/L
RT: 1.645 min Scan# 95
Delta R.T. 0.257 min
Lab File: VU043700.D
Acq: 13 May 2021 13:09

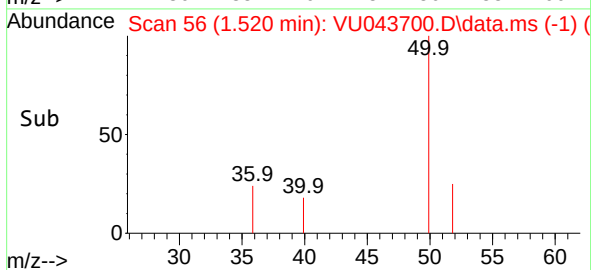
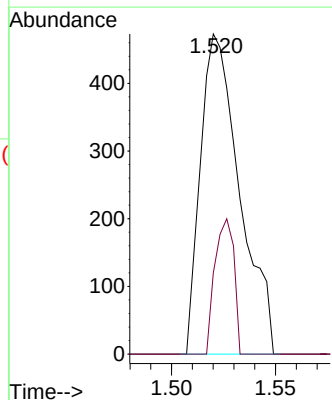
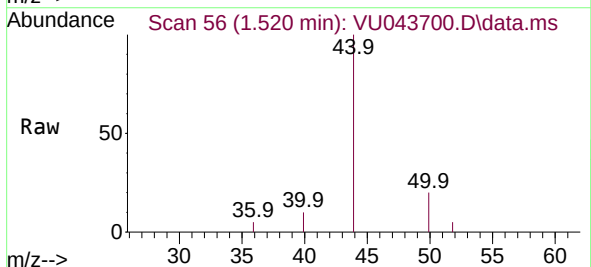
Instrument :
MSVOA_U
ClientSampled :

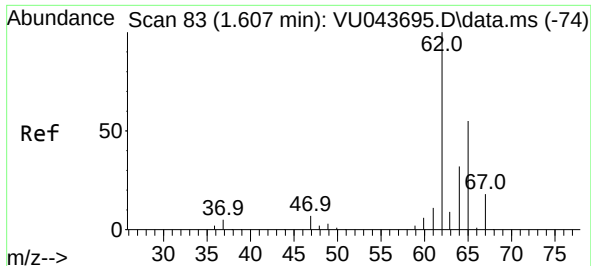
Tgt Ion: 85 Resp: 1258
Ion Ratio Lower Upper
85 100
87 30.4 26.6 39.8



#3
Chloromethane
Concen: 0.10 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU043700.D
Acq: 13 May 2021 13:09

Tgt Ion: 50 Resp: 620
Ion Ratio Lower Upper
50 100
52 25.4 22.1 41.1

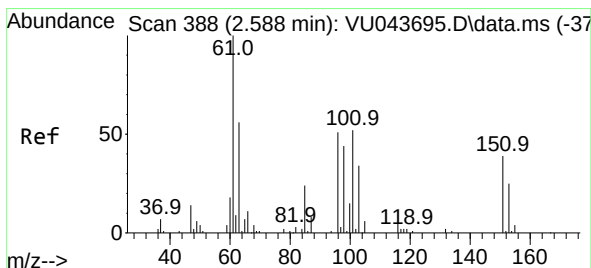
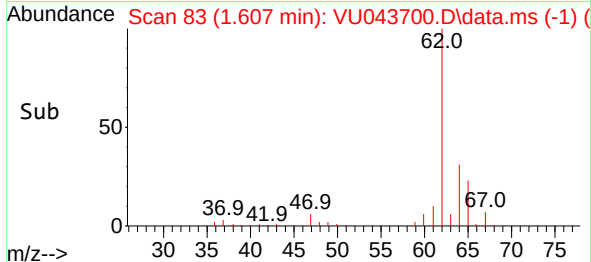
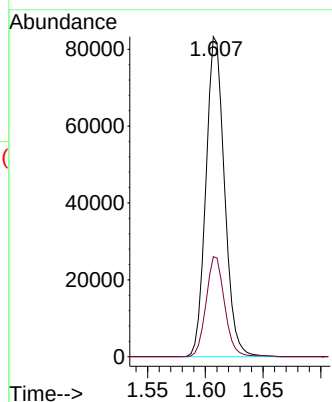
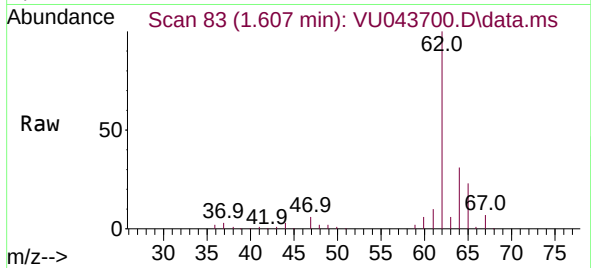




#5
 Vinyl chloride
 Concen: 15.09 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU043700.D
 Acq: 13 May 2021 13:09

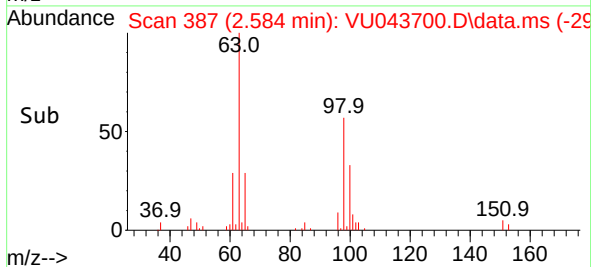
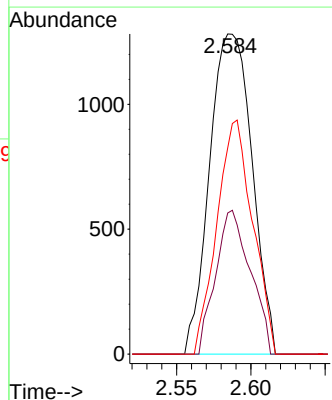
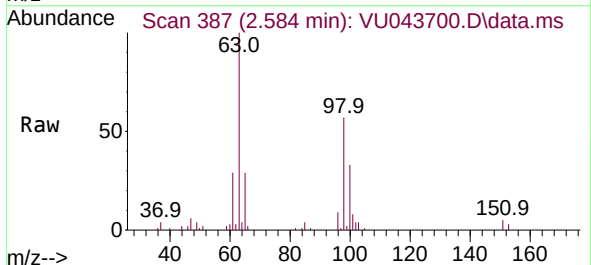
Instrument :
 MSVOA_U
 ClientSampled :

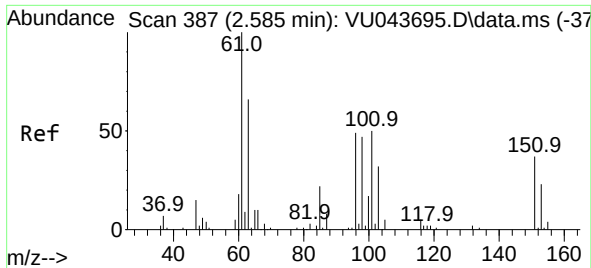
Tgt Ion: 62 Resp: 93218
 Ion Ratio Lower Upper
 62 100
 64 31.3 22.3 41.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.43 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU043700.D
 Acq: 13 May 2021 13:09

Tgt Ion: 101 Resp: 2555
 Ion Ratio Lower Upper
 101 100
 85 36.6 38.5 57.7#
 151 61.6 58.5 87.7





#12

1,1-Dichloroethene

Concen: 0.49 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.003 min

Lab File: VU043700.D

Acq: 13 May 2021 13:09

Tgt Ion: 96 Resp: 2504

Ion Ratio Lower Upper

96 100

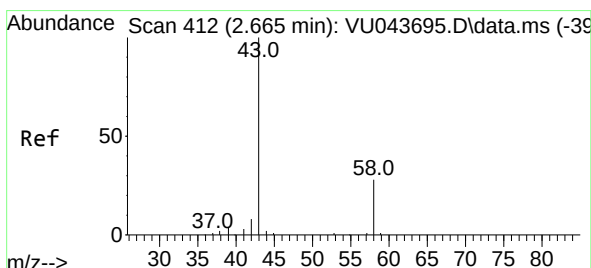
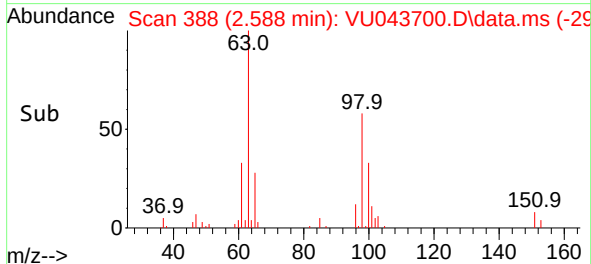
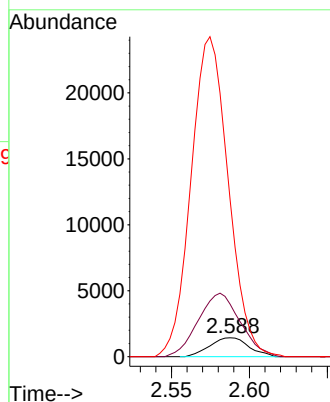
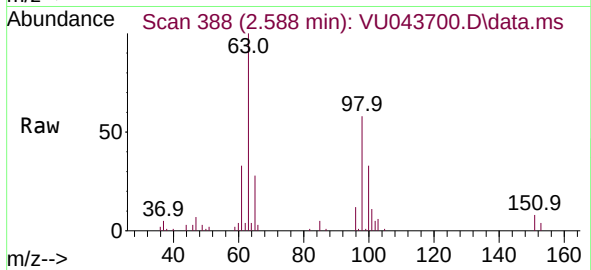
61 278.4 141.2 262.2#

63 832.3 111.1 206.3#

Instrument :

MSVOA_U

ClientSampled :



#13

Acetone

Concen: 3.16 ug/L

RT: 2.655 min Scan# 409

Delta R.T. -0.010 min

Lab File: VU043700.D

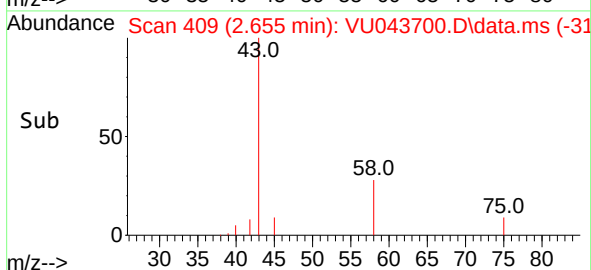
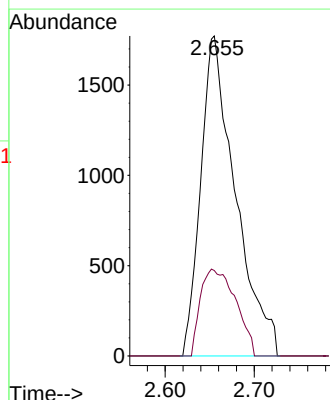
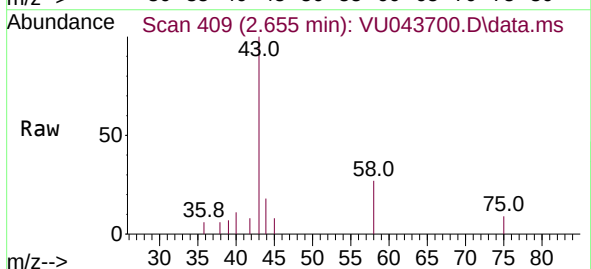
Acq: 13 May 2021 13:09

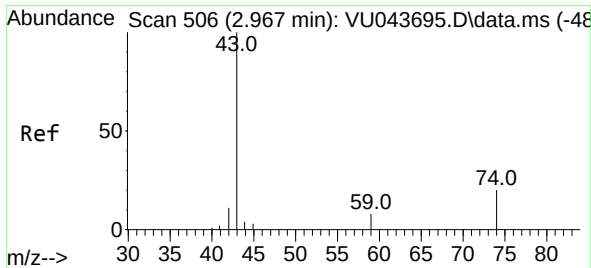
Tgt Ion: 43 Resp: 4797

Ion Ratio Lower Upper

43 100

58 27.6 0.0 50.8

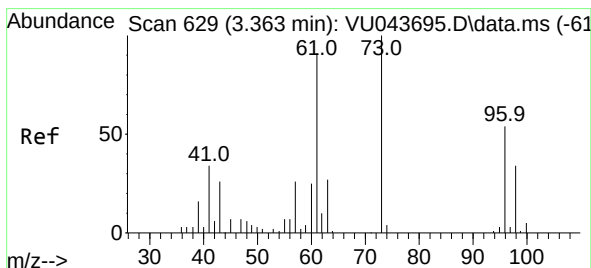
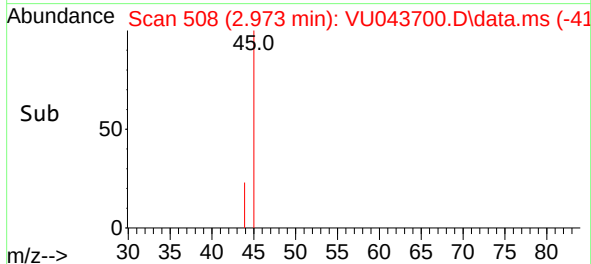
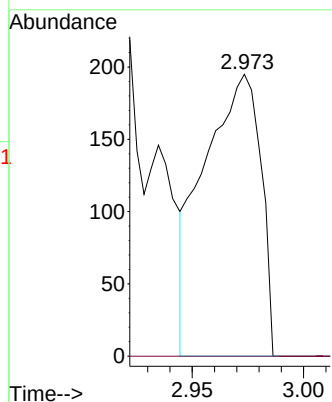
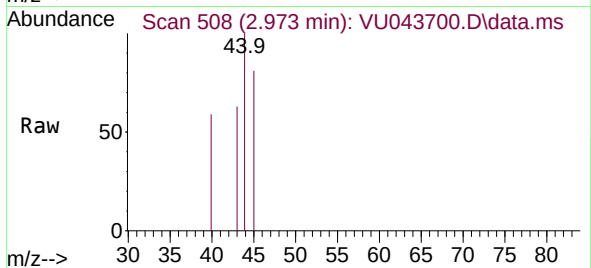




#15
Methyl Acetate
Concen: 0.10 ug/L
RT: 2.973 min Scan# 508
Delta R.T. 0.006 min
Lab File: VU043700.D
Acq: 13 May 2021 13:09

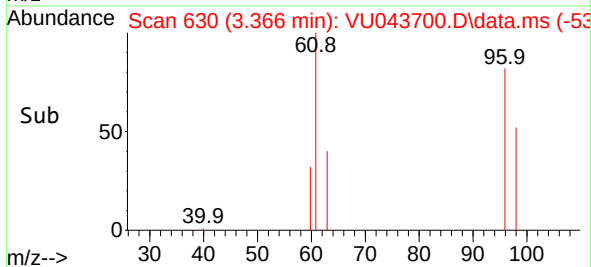
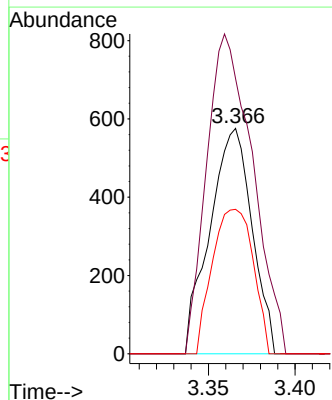
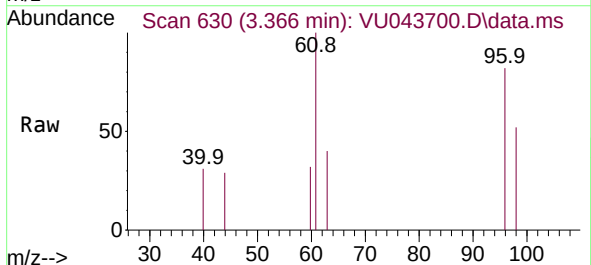
Instrument :
MSVOA_U
ClientSampled :

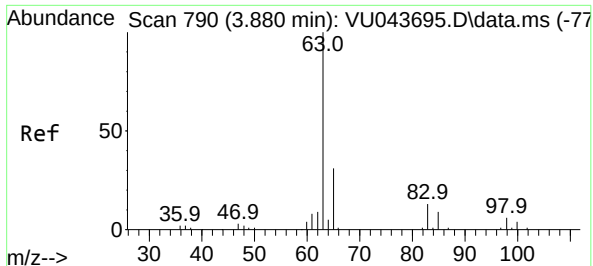
Tgt Ion: 43 Resp: 346
Ion Ratio Lower Upper
43 100
74 0.0 15.2 22.8#



#18
trans-1,2-Dichloroethene
Concen: 0.18 ug/L
RT: 3.366 min Scan# 630
Delta R.T. 0.003 min
Lab File: VU043700.D
Acq: 13 May 2021 13:09

Tgt Ion: 96 Resp: 975
Ion Ratio Lower Upper
96 100
61 122.0 113.5 210.9
98 64.1 45.4 84.2





#19

1,1-Dichloroethane

Concen: 22.30 ug/L

RT: 3.880 min Scan# 790

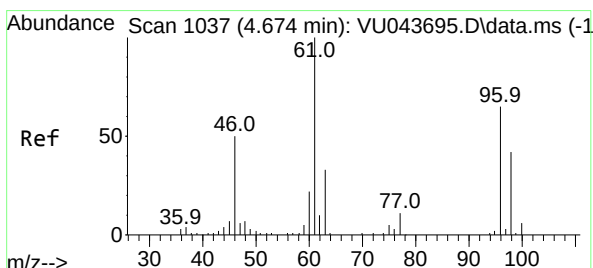
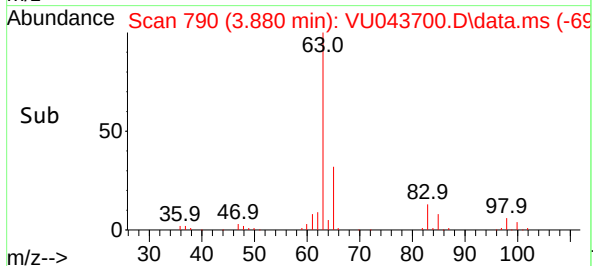
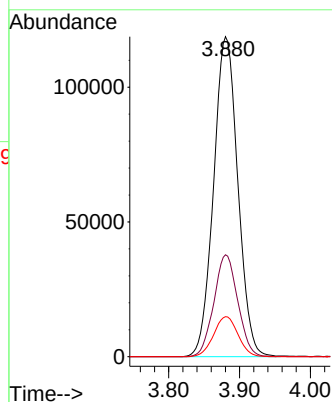
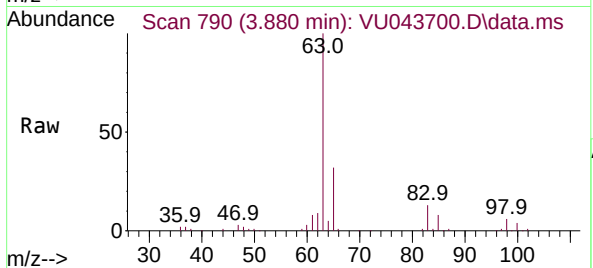
Delta R.T. -0.000 min

Lab File: VU043700.D

Acq: 13 May 2021 13:09

Tgt Ion:	63	Resp:	282192
Ion Ratio	Lower	Upper	
63	100		
65	31.9	22.7	42.1
83	12.5	9.4	17.4

Instrument :
MSVOA_U
ClientSampled :



#22

cis-1,2-Dichloroethene

Concen: 41.34 ug/L

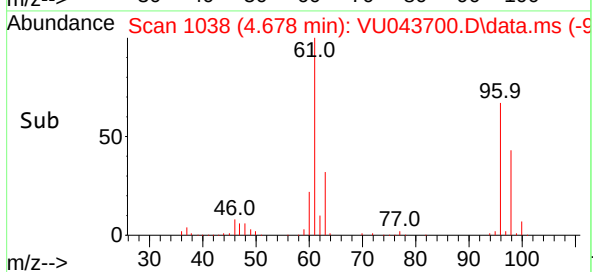
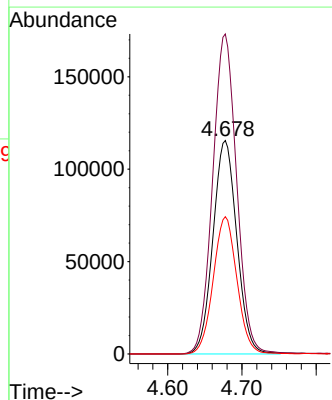
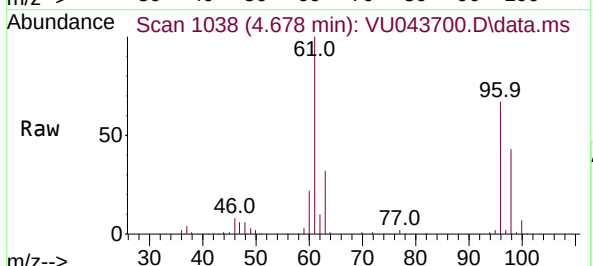
RT: 4.678 min Scan# 1038

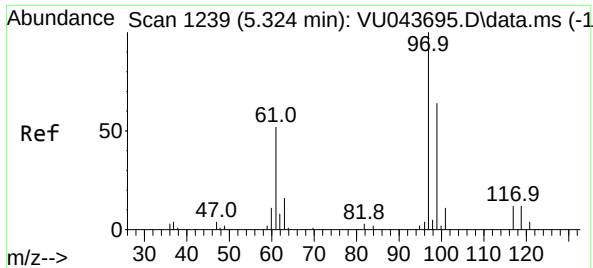
Delta R.T. 0.003 min

Lab File: VU043700.D

Acq: 13 May 2021 13:09

Tgt Ion:	96	Resp:	258411
Ion Ratio	Lower	Upper	
96	100		
61	150.0	102.8	190.8
98	64.3	42.8	79.6





#29

1,1,1-Trichloroethane

Concen: 0.22 ug/L

RT: 5.327 min Scan# 1240

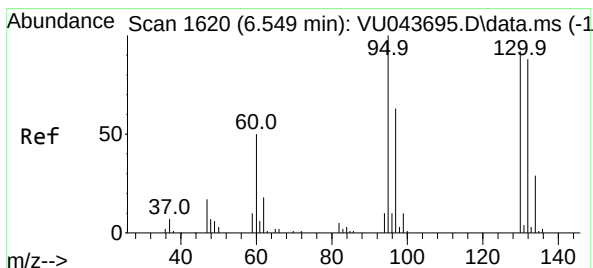
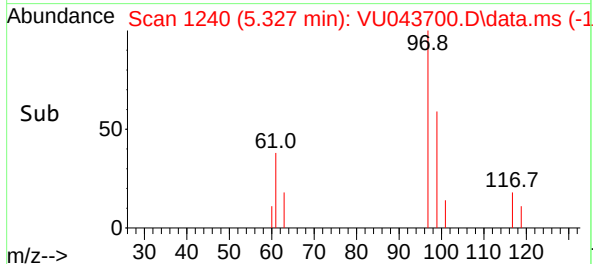
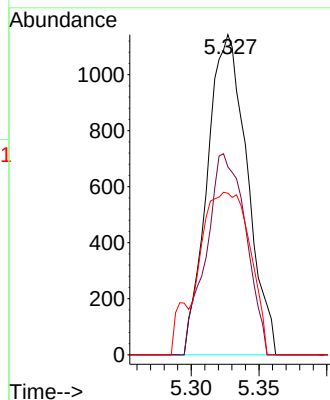
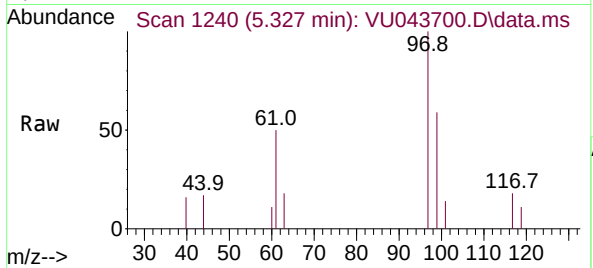
Delta R.T. 0.003 min

Lab File: VU043700.D

Acq: 13 May 2021 13:09

Tgt Ion:	97	Resp:	2338
Ion	Ratio	Lower	Upper
97	100		
99	62.1	51.8	77.6
61	66.7	39.8	59.8#

Instrument :
MSVOA_U
ClientSampled :



#34

Trichloroethene

Concen: 0.94 ug/L

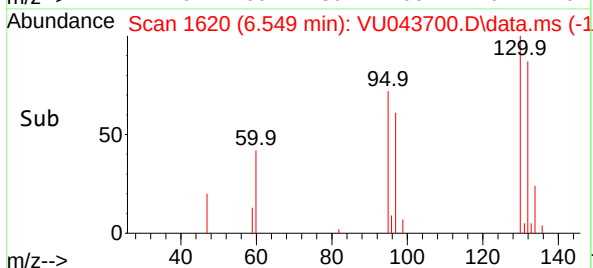
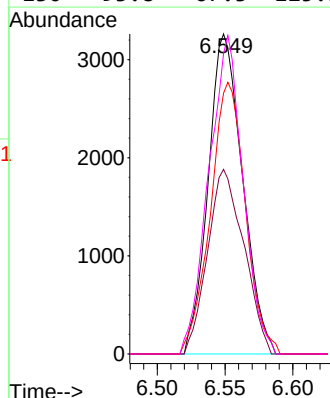
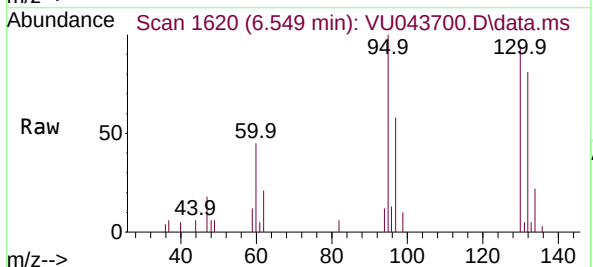
RT: 6.549 min Scan# 1620

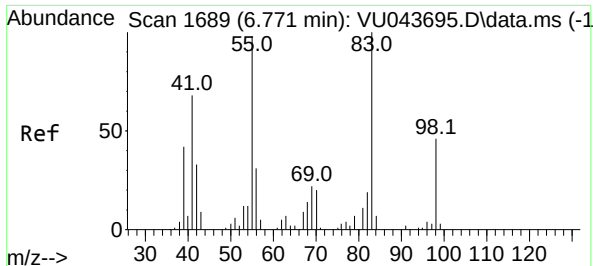
Delta R.T. -0.000 min

Lab File: VU043700.D

Acq: 13 May 2021 13:09

Tgt Ion:	95	Resp:	5747
Ion	Ratio	Lower	Upper
95	100		
97	57.7	46.5	86.5
132	81.5	64.1	119.1
130	93.8	67.3	125.1





#35

Methylcyclohexane

Concen: 1.15 ug/L

RT: 6.700 min Scan# 1667

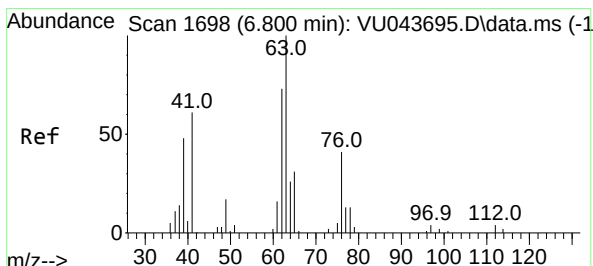
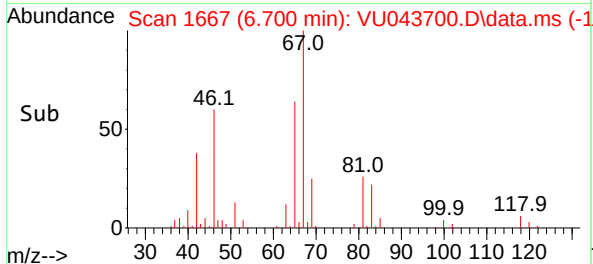
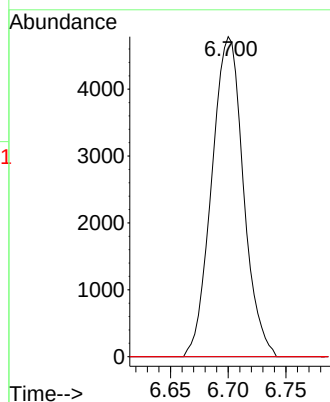
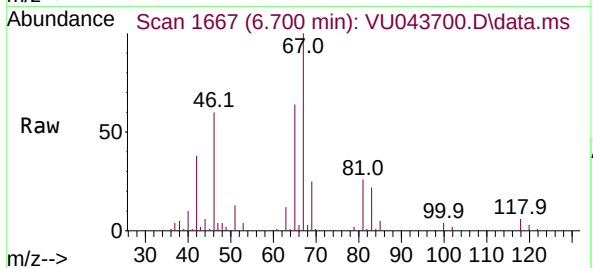
Delta R.T. -0.071 min

Lab File: VU043700.D

Acq: 13 May 2021 13:09

Tgt Ion: 83	Resp: 9133
Ion Ratio	Lower Upper
83	100
55	0.0 75.8 113.8#
98	3.9 35.5 53.3#

Instrument :
MSVOA_U
ClientSampled :



#37

1,2-Dichloropropane

Concen: 0.67 ug/L

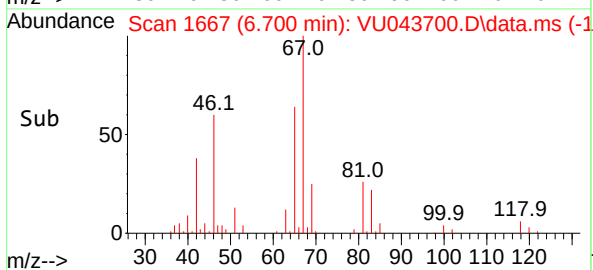
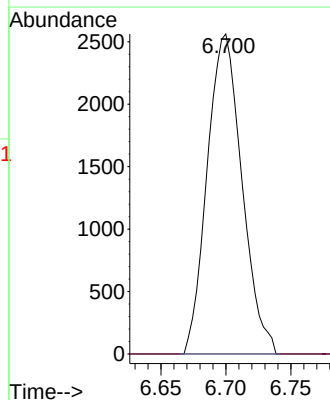
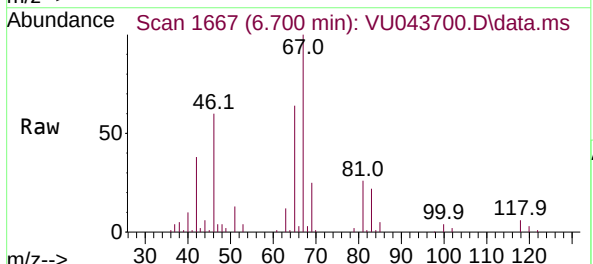
RT: 6.700 min Scan# 1667

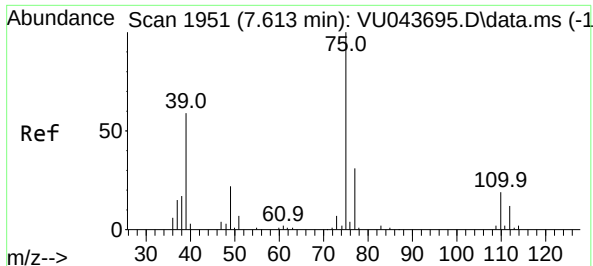
Delta R.T. -0.100 min

Lab File: VU043700.D

Acq: 13 May 2021 13:09

Tgt Ion: 63	Resp: 4766
Ion Ratio	Lower Upper
63	100
112	0.0 2.6 3.8#



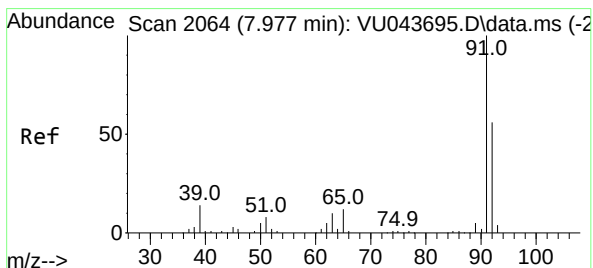
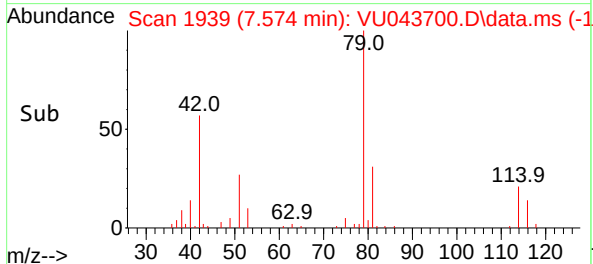
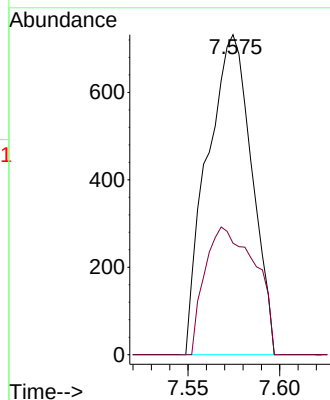
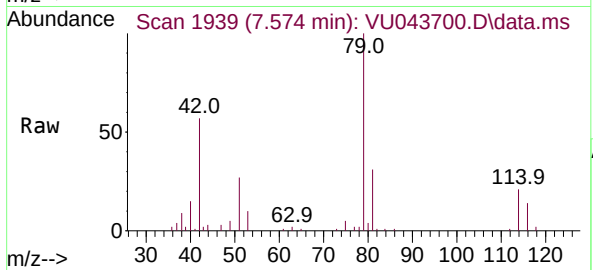


#39

cis-1,3-Dichloropropene
Concen: 0.13 ug/L
RT: 7.574 min Scan# 1939
Delta R.T. -0.039 min
Lab File: VU043700.D
Acq: 13 May 2021 13:09

Instrument :
MSVOA_U
ClientSampleId :

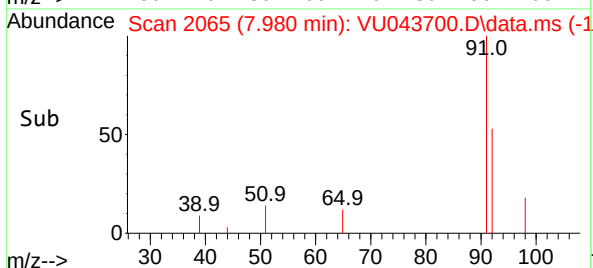
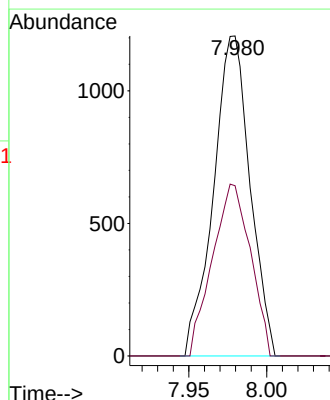
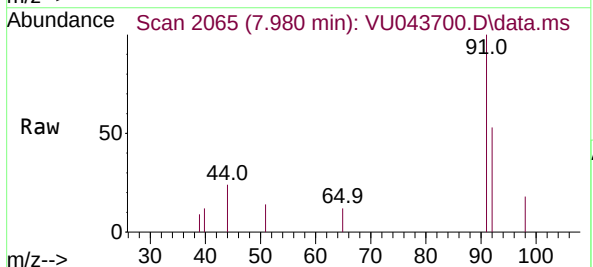
Tgt Ion: 75 Resp: 1233
Ion Ratio Lower Upper
75 100
77 34.8 21.9 40.7

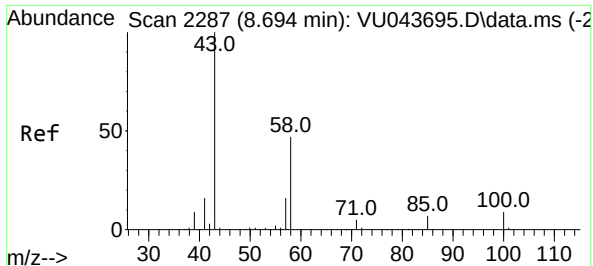


#42

Toluene
Concen: 0.08 ug/L
RT: 7.980 min Scan# 2065
Delta R.T. 0.003 min
Lab File: VU043700.D
Acq: 13 May 2021 13:09

Tgt Ion: 91 Resp: 1972
Ion Ratio Lower Upper
91 100
92 53.2 39.1 72.5

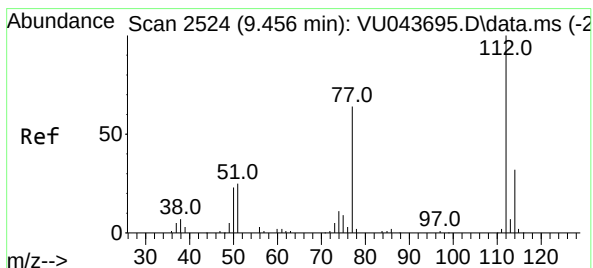
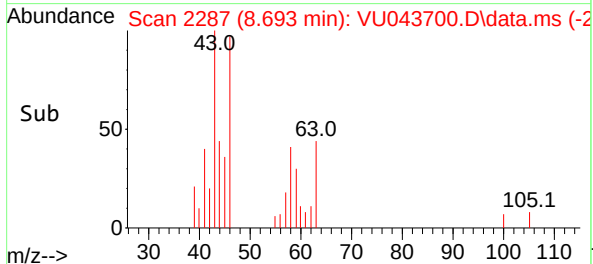
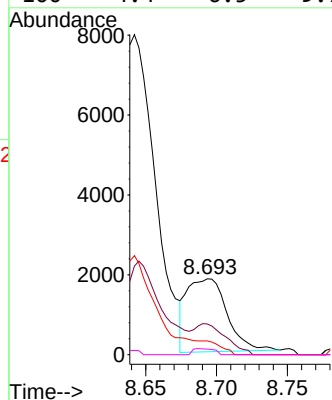
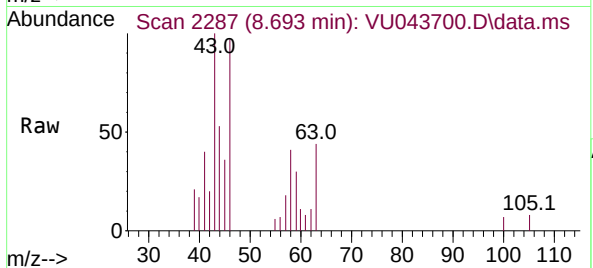




#48
2-Hexanone
Concen: 0.83 ug/L
RT: 8.693 min Scan# 2287
Delta R.T. -0.000 min
Lab File: VU043700.D
Acq: 13 May 2021 13:09

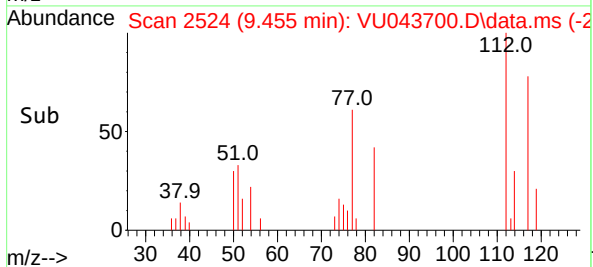
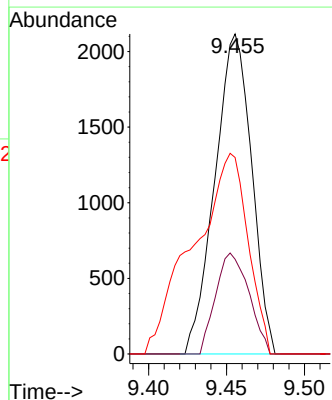
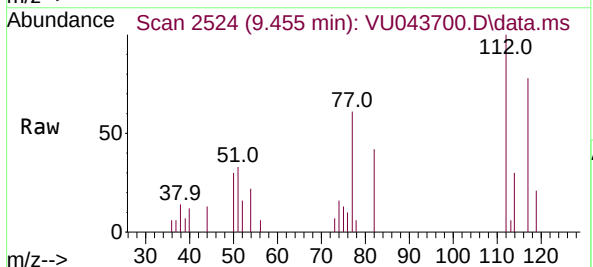
Instrument :
MSVOA_U
ClientSampled :

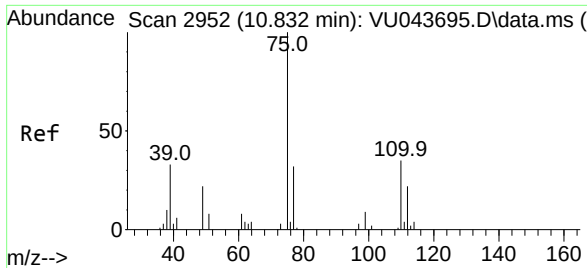
Tgt Ion: 43	Resp: 3606
Ion Ratio	Lower Upper
43 100	
58 33.3	36.8 55.2#
57 8.7	13.2 19.8#
100 4.4	6.5 9.7#



#51
Chlorobenzene
Concen: 0.22 ug/L
RT: 9.455 min Scan# 2524
Delta R.T. -0.000 min
Lab File: VU043700.D
Acq: 13 May 2021 13:09

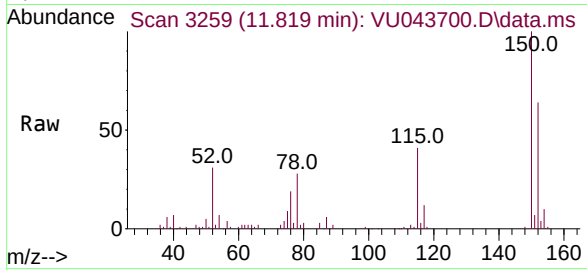
Tgt Ion: 112	Resp: 3467
Ion Ratio	Lower Upper
112 100	
114 29.6	22.0 41.0
77 61.4	51.0 76.4





#61
 1,2,3-Trichloropropane
 Concen: 1.32 ug/L
 RT: 11.819 min Scan# 3259
 Delta R.T. 0.987 min
 Lab File: VU043700.D
 Acq: 13 May 2021 13:09

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 5373
 Ion Ratio Lower Upper
 75 100
 110 0.8 28.6 42.8#
 77 34.6 25.7 38.5

