

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051521\
 Data File : VU043763.D
 Acq On : 14 May 2021 18:39
 Operator : SY/MD
 Sample : M2376-01DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :

Quant Time: May 15 01:19:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 15 00:49:19 2021
 Response via : Initial Calibration

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

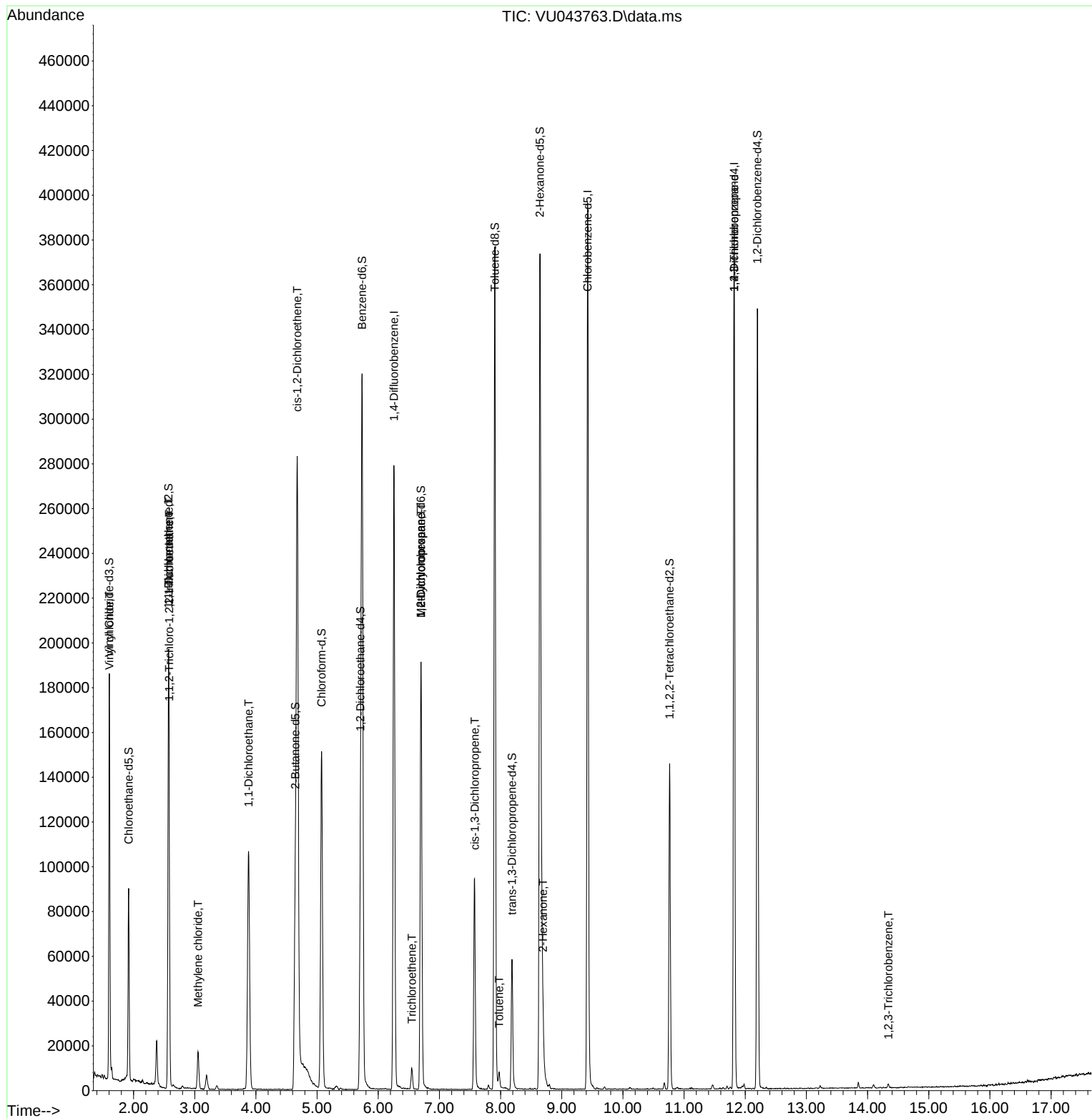
Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	226443	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	224853	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	105772	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	87443	5.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.80%
7) Chloroethane-d5	1.919	69	62787	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.60%
11) 1,1-Dichloroethene-d2	2.571	65	37456	5.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	108.20%
20) 2-Butanone-d5	4.645	46	162010	51.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.06%
24) Chloroform-d	5.073	84	141333	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
26) 1,2-Dichloroethane-d4	5.710	65	74940	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.735	84	303123	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
36) 1,2-Dichloropropane-d6	6.700	67	95471	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.00%
41) Toluene-d8	7.906	98	256446	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloroprop...	8.185	79	33784	5.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.00%
46) 2-Hexanone-d5	8.642	63	154736	50.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.70%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	74802	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
66) 1,2-Dichlorobenzene-d4	12.198	152	96611	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	46582	2.42	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	2333	0.15	ug/L #	56
12) 1,1-Dichloroethene	2.575	96	2169	0.15	ug/L #	1
16) Methylene chloride	3.054	84	7898	0.36	ug/L	97
19) 1,1-Dichloroethane	3.880	63	124659	4.40	ug/L	99
22) cis-1,2-Dichloroethene	4.674	96	131601	7.98	ug/L	98
34) Trichloroethene	6.549	95	3255	0.20	ug/L	90
35) Methylcyclohexane	6.700	83	20933	0.81	ug/L #	18
37) 1,2-Dichloropropane	6.700	63	9585	0.56	ug/L #	88
39) cis-1,3-Dichloropropene	7.578	75	2348	0.10	ug/L #	76
42) Toluene	7.976	91	4434	0.06	ug/L	97
48) 2-Hexanone	8.693	43	8262	1.03	ug/L #	87
61) 1,2,3-Trichloropropane	11.819	75	12159	1.20	ug/L #	68
72) 1,2,3-Trichlorobenzene	14.339	180	808	0.04	ug/L #	95

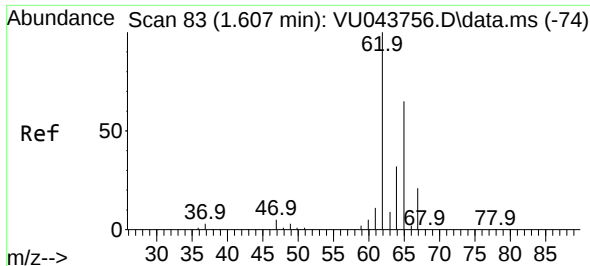
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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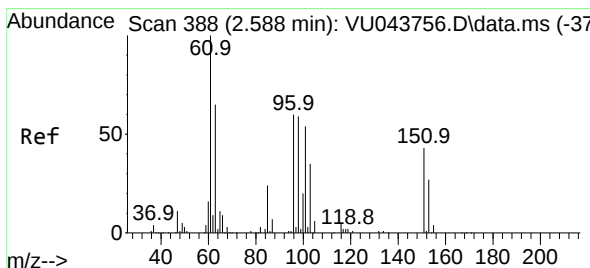
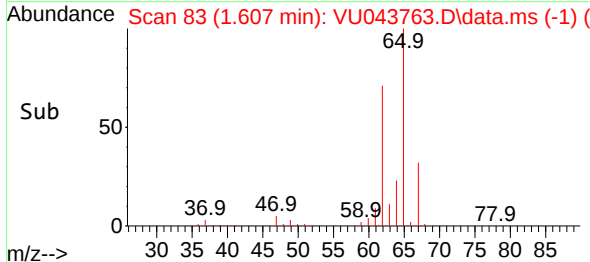
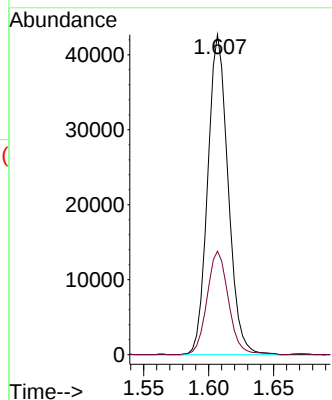
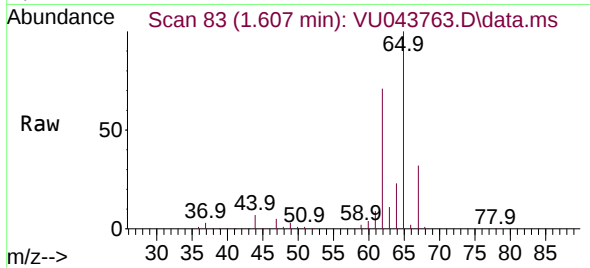




#5
 Vinyl chloride
 Concen: 2.42 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU043763.D
 Acq: 14 May 2021 18:39

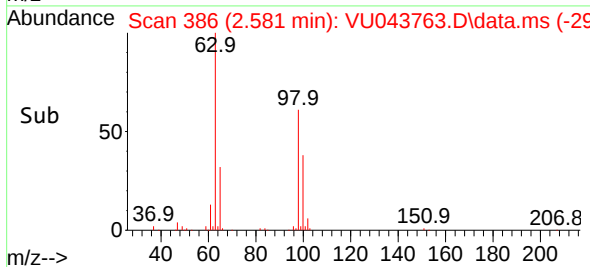
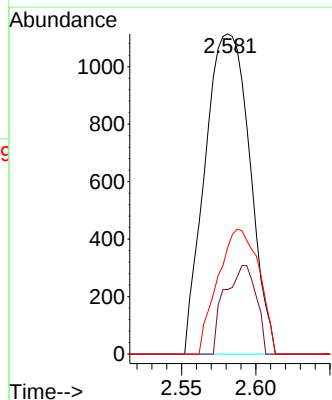
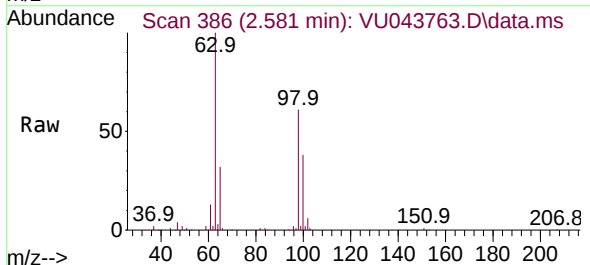
Instrument :
 MSVOA_U
 ClientSampled :

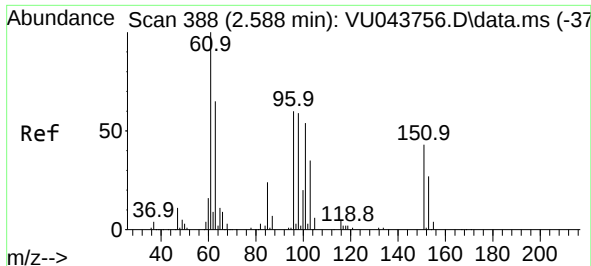
Tgt Ion: 62 Resp: 46582
 Ion Ratio Lower Upper
 62 100
 64 32.3 22.1 41.1



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.15 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.007 min
 Lab File: VU043763.D
 Acq: 14 May 2021 18:39

Tgt Ion: 101 Resp: 2333
 Ion Ratio Lower Upper
 101 100
 85 19.3 34.3 51.5#
 151 36.0 62.7 94.1#

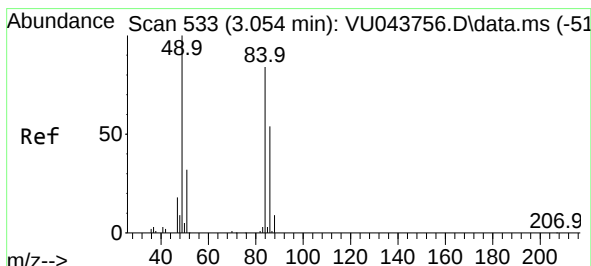
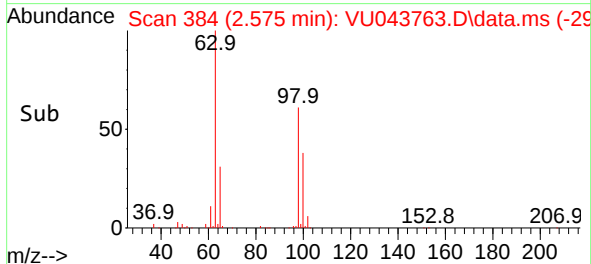
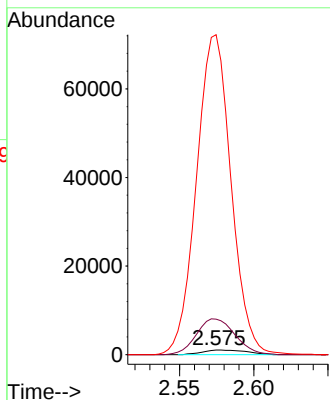
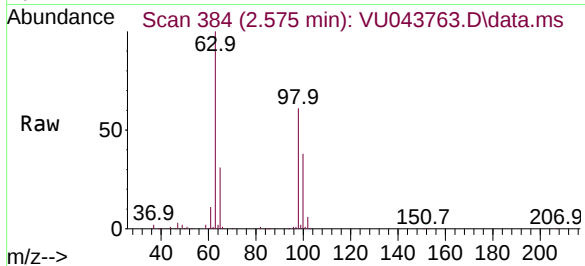




#12
1,1-Dichloroethene
Concen: 0.15 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.013 min
Lab File: VU043763.D
Acq: 14 May 2021 18:39

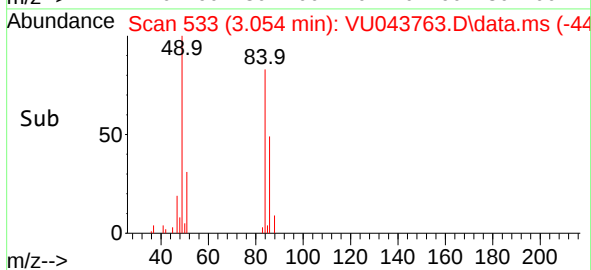
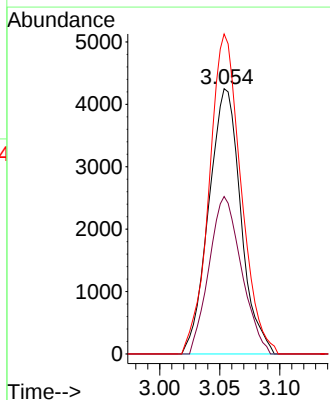
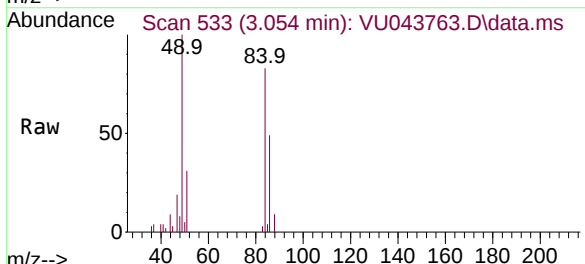
Instrument :
MSVOA_U
ClientSampleId :

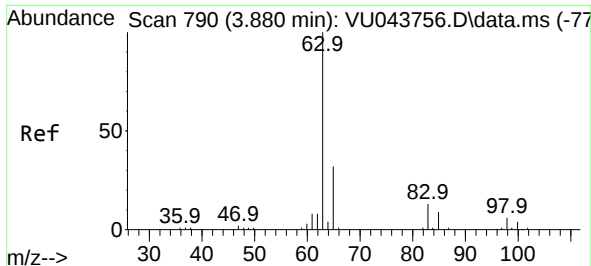
Tgt Ion: 96 Resp: 2169
Ion Ratio Lower Upper
96 100
61 760.9 117.5 218.1#
63 6840.9 77.3 143.7#



#16
Methylene chloride
Concen: 0.36 ug/L
RT: 3.054 min Scan# 533
Delta R.T. -0.000 min
Lab File: VU043763.D
Acq: 14 May 2021 18:39

Tgt Ion: 84 Resp: 7898
Ion Ratio Lower Upper
84 100
86 59.4 44.7 82.9
49 120.7 83.1 154.3





#19

1,1-Dichloroethane

Concen: 4.40 ug/L

RT: 3.880 min Scan# 790

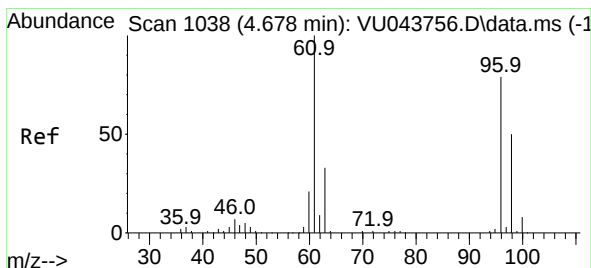
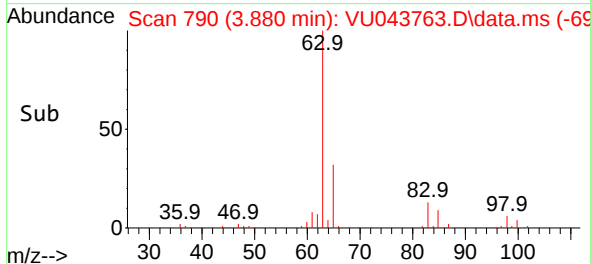
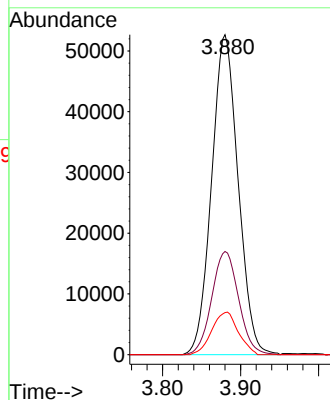
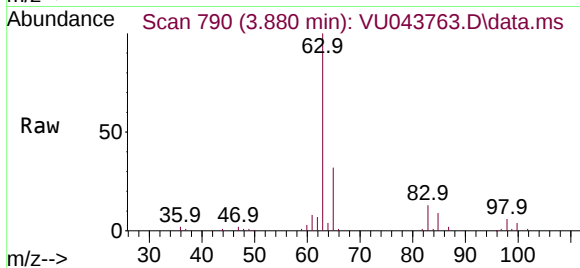
Delta R.T. -0.000 min

Lab File: VU043763.D

Acq: 14 May 2021 18:39

Tgt Ion: 63 Resp: 124659

Ion	Ratio	Lower	Upper
63	100		
65	32.3	22.3	41.3
83	13.2	9.0	16.8



#22

cis-1,2-Dichloroethene

Concen: 7.98 ug/L

RT: 4.674 min Scan# 1037

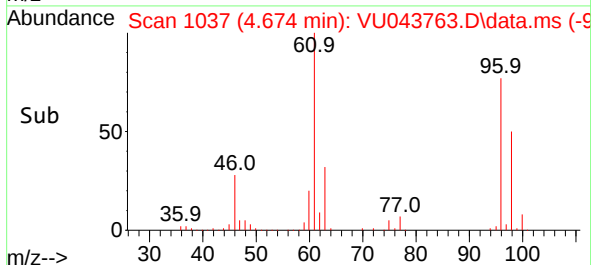
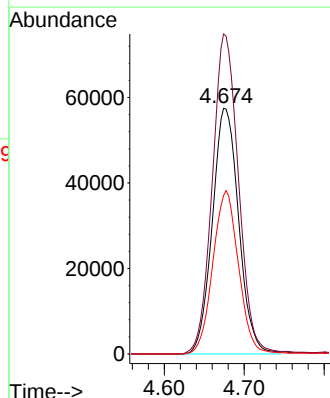
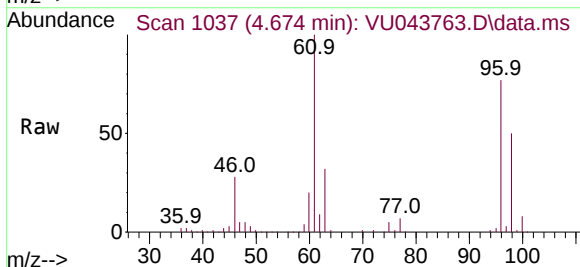
Delta R.T. -0.003 min

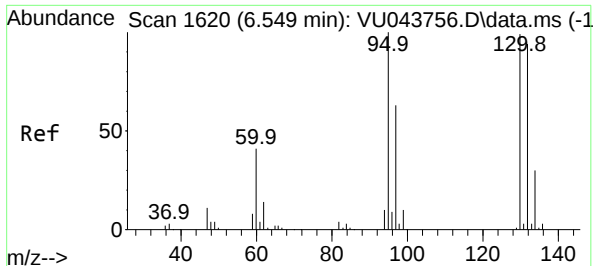
Lab File: VU043763.D

Acq: 14 May 2021 18:39

Tgt Ion: 96 Resp: 131601

Ion	Ratio	Lower	Upper
96	100		
61	130.3	89.0	165.4
98	64.5	44.9	83.3



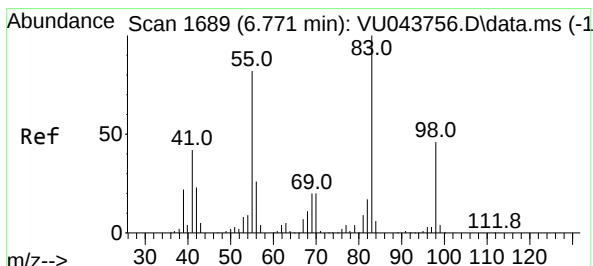
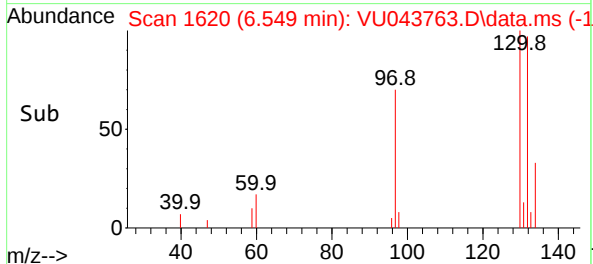
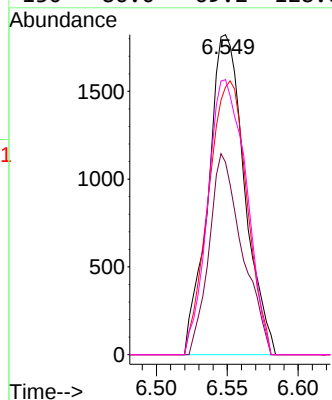
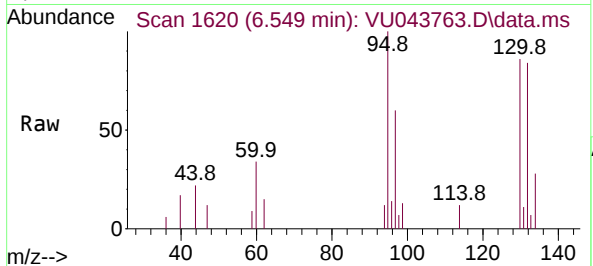


#34
Trichloroethene
Concen: 0.20 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VU043763.D
Acq: 14 May 2021 18:39

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 3255

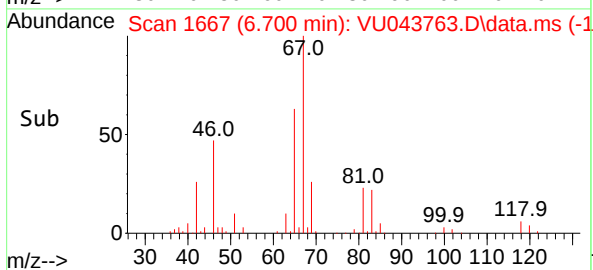
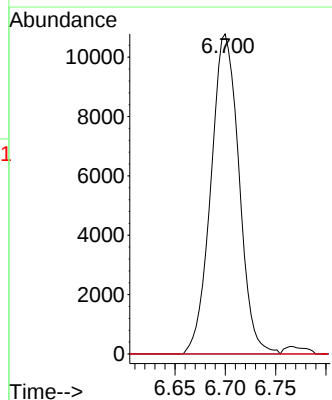
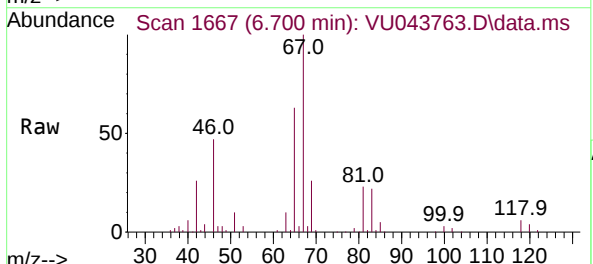
Ion	Ratio	Lower	Upper
95	100		
97	60.1	44.3	82.3
132	83.6	66.0	122.6
130	86.0	69.2	128.6

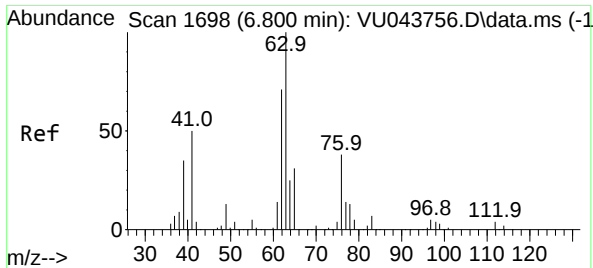


#35
Methylcyclohexane
Concen: 0.81 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU043763.D
Acq: 14 May 2021 18:39

Tgt Ion: 83 Resp: 20933

Ion	Ratio	Lower	Upper
83	100		
55	0.0	64.8	97.2#
98	1.5	35.9	53.9#



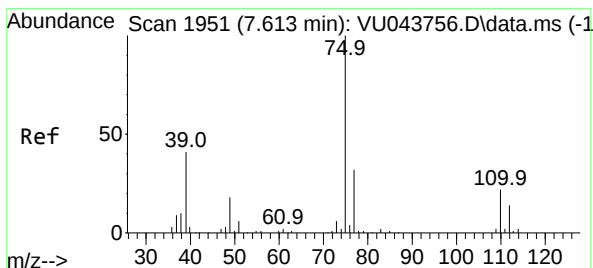
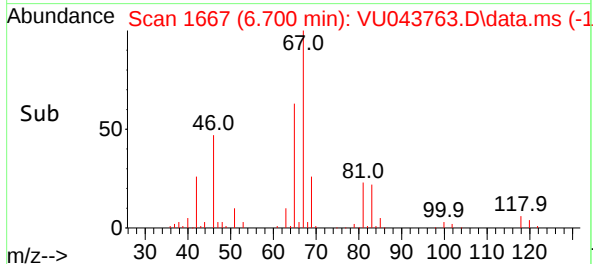
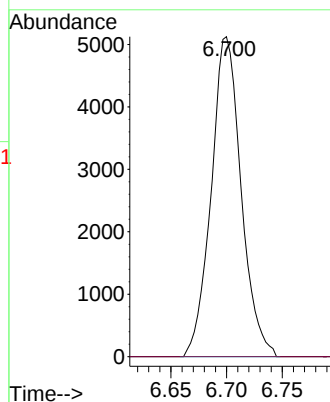
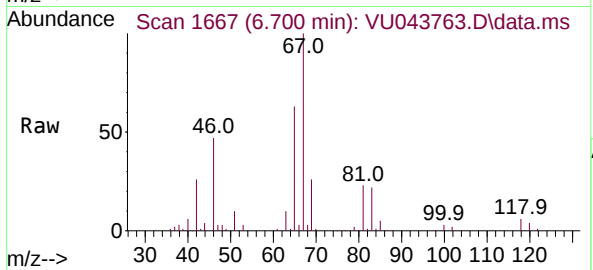


#37

1,2-Dichloropropane
Concen: 0.56 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU043763.D
Acq: 14 May 2021 18:39

Instrument :
MSVOA_U
ClientSampled :

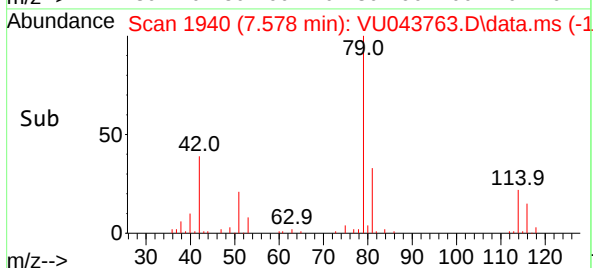
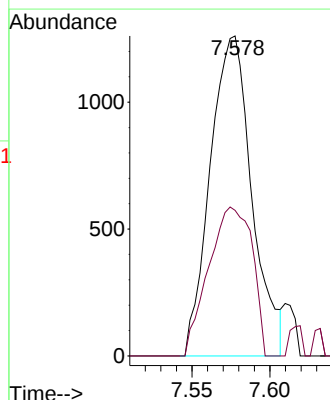
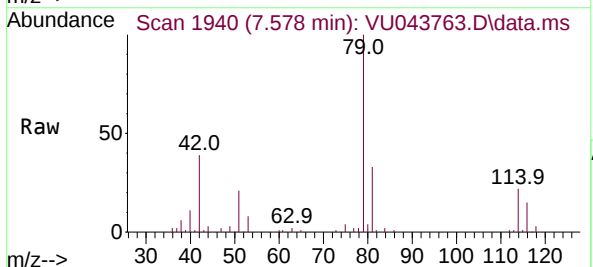
Tgt Ion: 63 Resp: 9585
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#

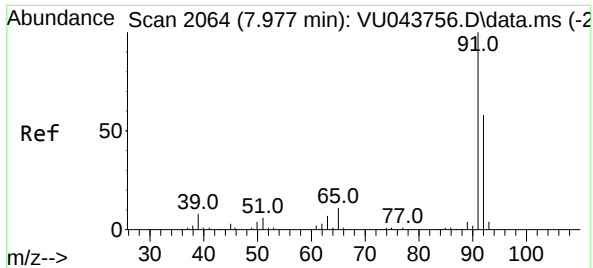


#39

cis-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 7.578 min Scan# 1940
Delta R.T. -0.036 min
Lab File: VU043763.D
Acq: 14 May 2021 18:39

Tgt Ion: 75 Resp: 2348
Ion Ratio Lower Upper
75 100
77 45.5 22.5 41.7#

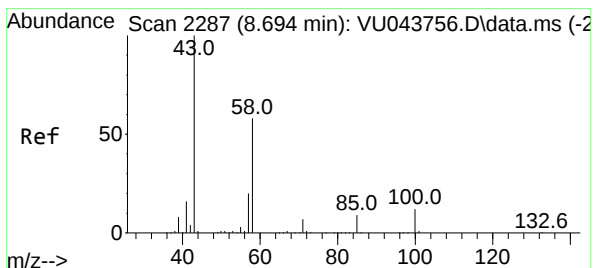
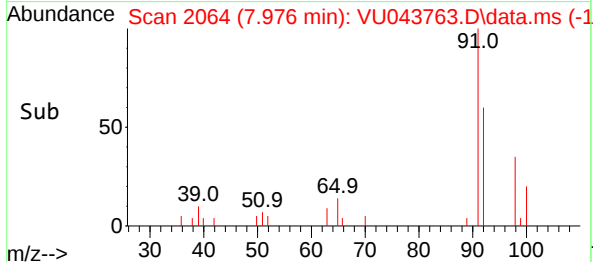
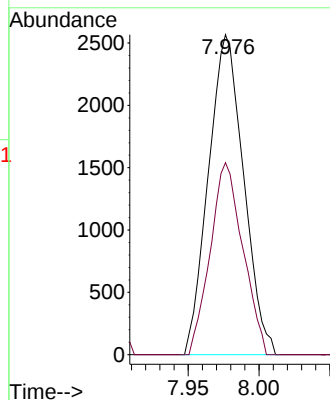
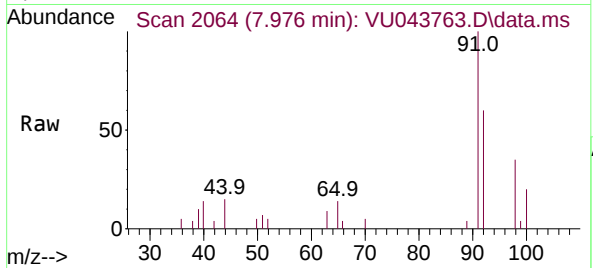




#42
Toluene
Concen: 0.06 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU043763.D
Acq: 14 May 2021 18:39

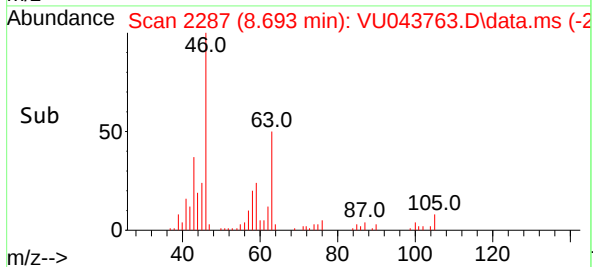
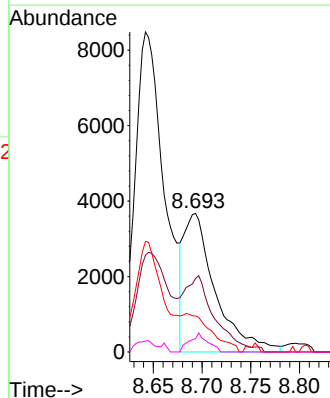
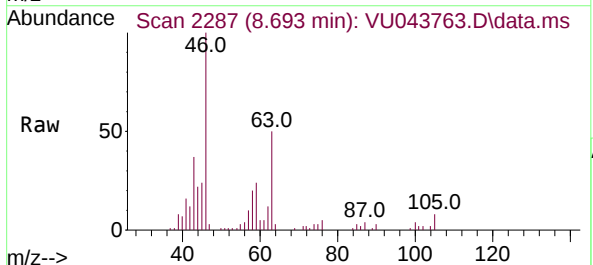
Instrument :
MSVOA_U
ClientSampled :

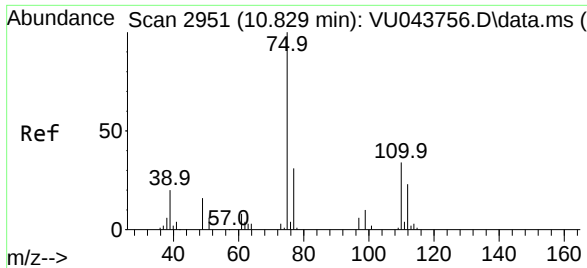
Tgt Ion: 91 Resp: 4434
Ion Ratio Lower Upper
91 100
92 60.0 40.3 74.8



#48
2-Hexanone
Concen: 1.03 ug/L
RT: 8.693 min Scan# 2287
Delta R.T. -0.000 min
Lab File: VU043763.D
Acq: 14 May 2021 18:39

Tgt Ion: 43 Resp: 8262
Ion Ratio Lower Upper
43 100
58 55.5 47.0 70.4
57 0.0 15.8 23.8#
100 7.8 9.0 13.4#

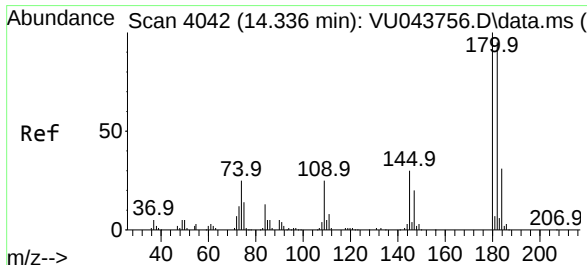
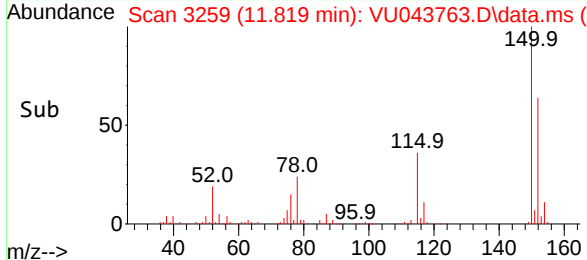
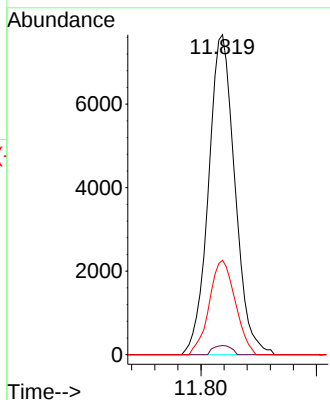
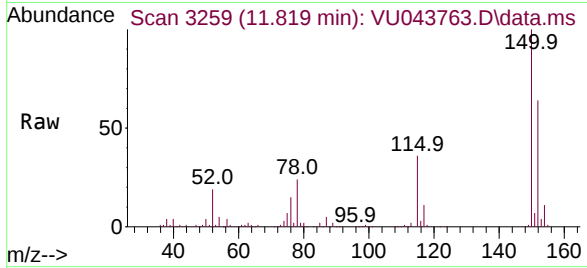




#61
1,2,3-Trichloropropane
Concen: 1.20 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.990 min
Lab File: VU043763.D
Acq: 14 May 2021 18:39

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 75 Resp: 12159
Ion Ratio Lower Upper
75 100
110 2.0 27.9 41.9#
77 29.0 25.9 38.9



#72
1,2,3-Trichlorobenzene
Concen: 0.04 ug/L
RT: 14.339 min Scan# 4043
Delta R.T. 0.003 min
Lab File: VU043763.D
Acq: 14 May 2021 18:39

Tgt Ion:180 Resp: 808
Ion Ratio Lower Upper
180 100
182 96.9 77.0 115.4
145 21.0 24.6 36.8#

