

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101720\
 Data File : VU040785.D
 Acq On : 18 Oct 2020 00:41
 Operator : SY/MD
 Sample : L4354-17MSD
 Misc : 25.4mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 19 03:12:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 19 03:08:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	125520	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	127273	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51865	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	35884	3.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.00%
7) Chloroethane-d5	1.93	69	34056	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.00%
11) 1,1-Dichloroethene-d2	2.58	63	79446	3.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.20%
20) 2-Butanone-d5	4.67	46	184983	55.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.16%
24) Chloroform-d	5.08	84	81563	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.72	65	52933	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.74	84	146722	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
36) 1,2-Dichloropropane-d6	6.70	67	50505	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.60%
41) Toluene-d8	7.91	98	111276	3.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.40%
43) trans-1,3-Dichloropropene-	8.19	79	19141	3.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.40%
46) 2-Hexanone-d5	8.64	63	121246	48.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.48%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49834	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	47157	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	1270	0.119	ug/L	91
5) Vinyl chloride	1.61	62	286394	25.570	ug/L	96
8) Chloroethane	1.93	64	390	0.055	ug/L #	49
12) 1,1-Dichloroethene	2.59	96	43172	4.820	ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	1625	0.173	ug/L	96
22) cis-1,2-Dichloroethene	4.69	96	318076	31.461	ug/L	95
25) Chloroform	5.10	83	2966	0.150	ug/L	96
27) 1,2-Dichloroethane	5.79	62	1800	0.128	ug/L #	77
33) Benzene	5.79	78	189078	4.624	ug/L	100
34) Trichloroethene	6.56	95	51347	4.845	ug/L	99
35) Methylcyclohexane	6.70	83	12488	0.831	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5972	0.524	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1351	0.087	ug/L #	26
42) Toluene	7.98	91	182975	4.391	ug/L	99
44) trans-1,3-Dichloropropene	8.19	75	855	0.060	ug/L #	80
47) Tetrachloroethene	8.56	164	739	0.098	ug/L #	81
49) Dibromochloromethane	8.56	129	612	0.062	ug/L #	9

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 19 03:08:11 2020
Response via : Initial Calibration

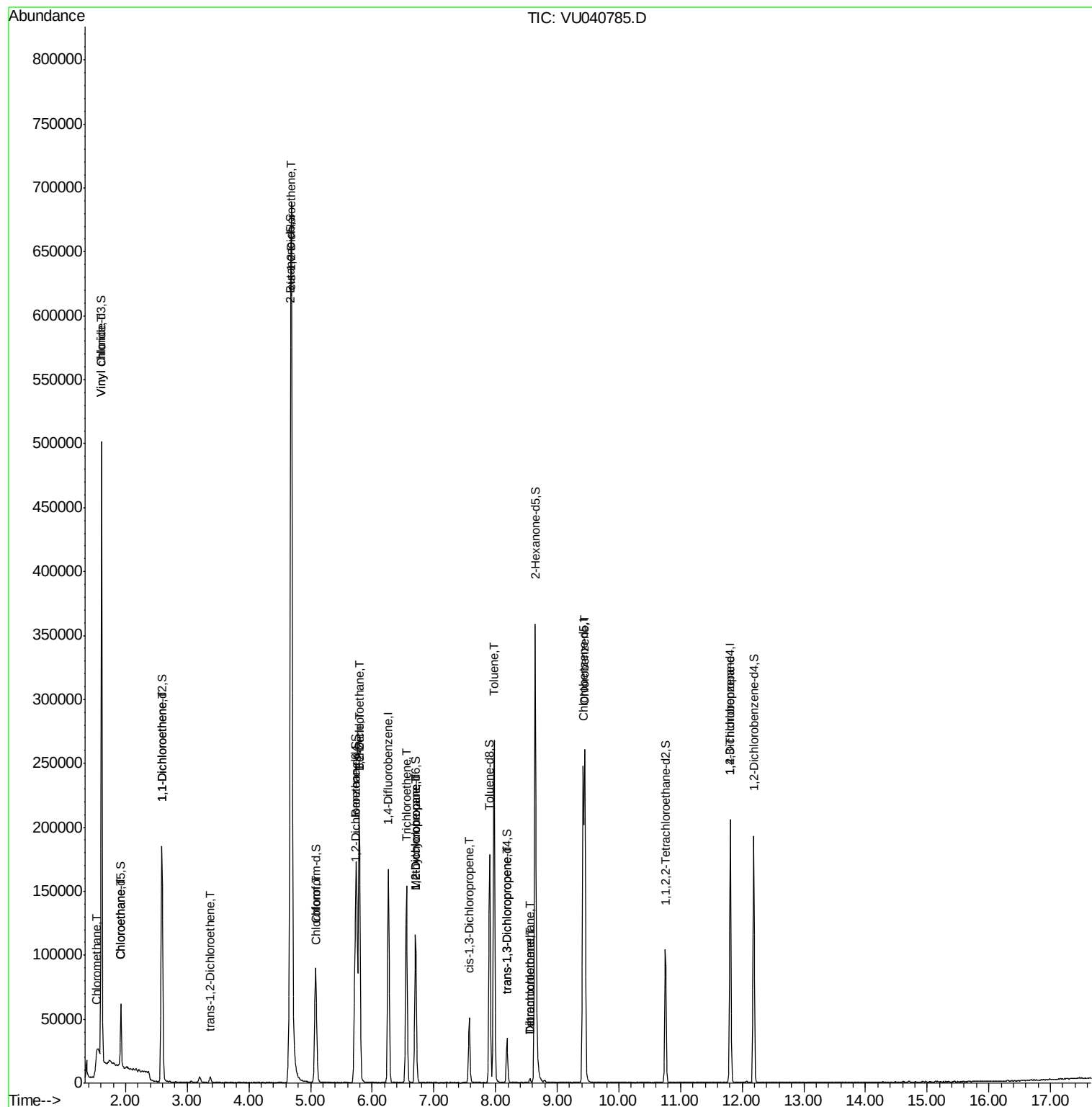
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	9.45	112	128372	4.677	ug/L	100
59) 1,2,3-Trichloropropane	11.81	75	6387	0.763	ug/L #	83

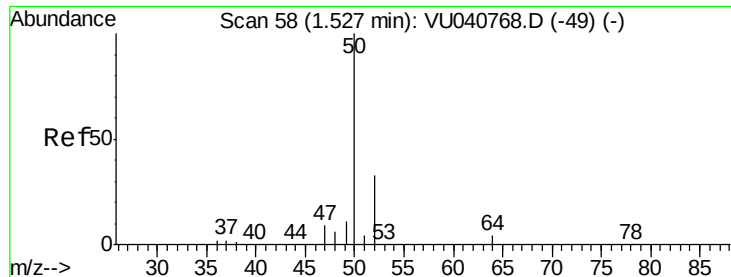
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.119 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040785.D

Acq: 18 Oct 2020 00:41

Instrument :

MSVOA_U

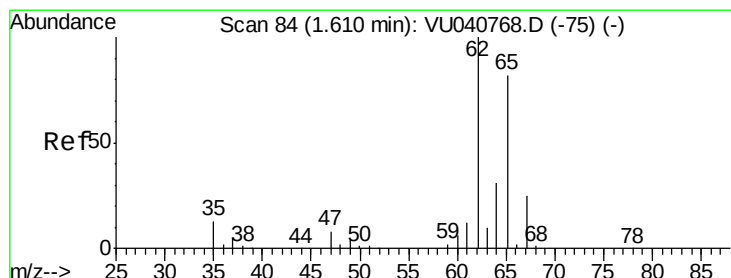
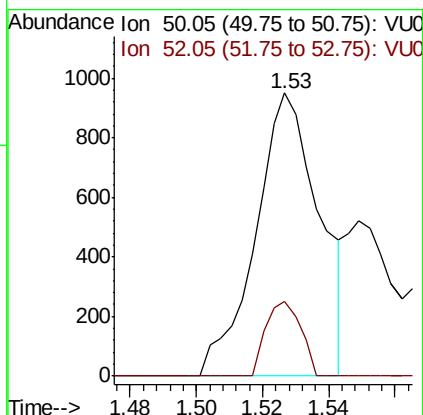
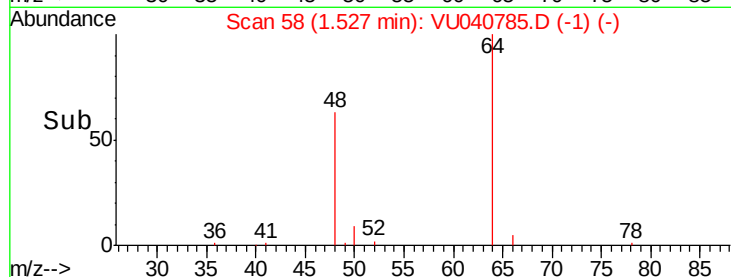
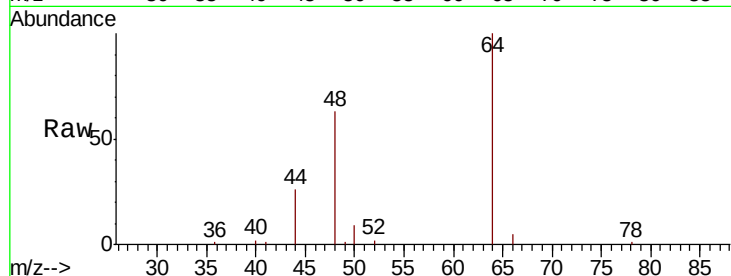
ClientSampled :

Tot Ion: 50 Resp: 1270

Ion Ratio Lower Upper

50 100

52 26.2 21.9 40.7



#5

Vinyl chloride

Concen: 25.570 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040785.D

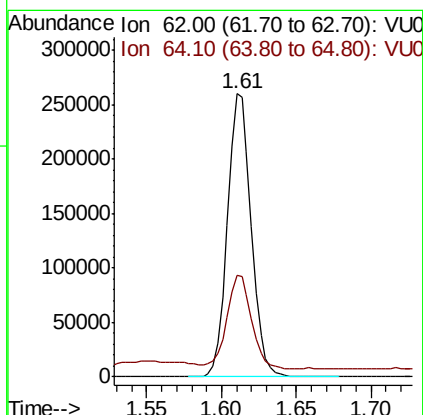
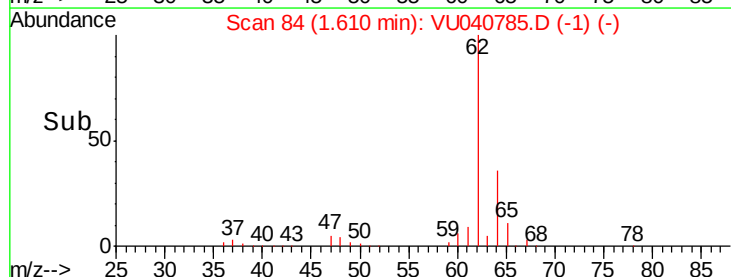
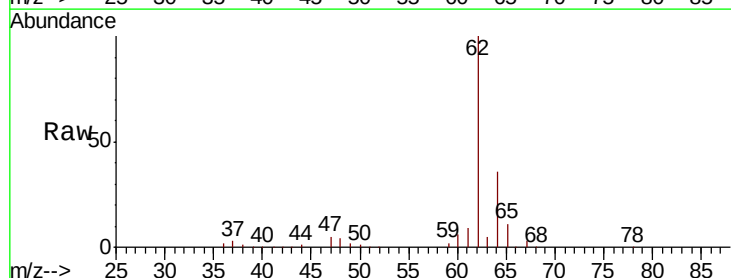
Acq: 18 Oct 2020 00:41

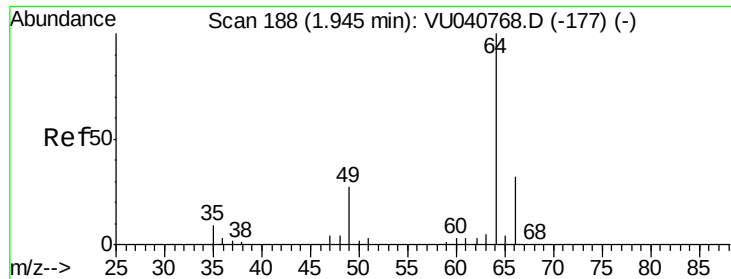
Tgt Ion: 62 Resp: 286394

Ion Ratio Lower Upper

62 100

64 36.1 23.7 44.1

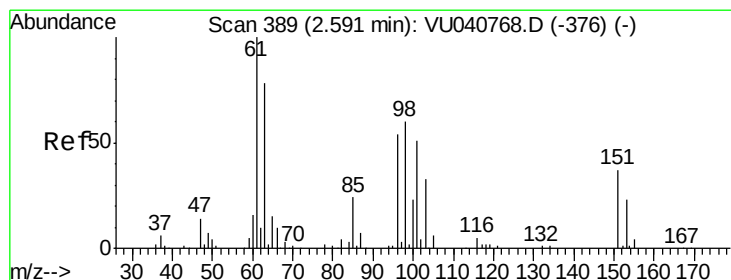
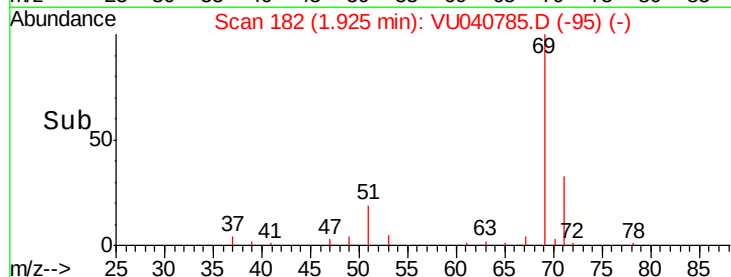
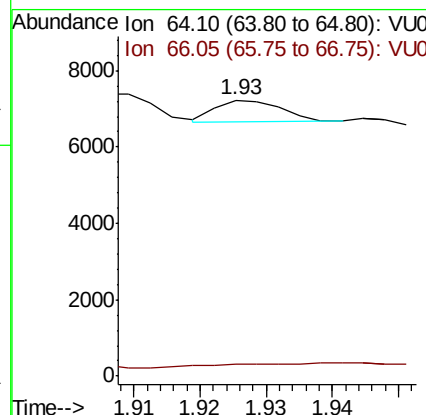
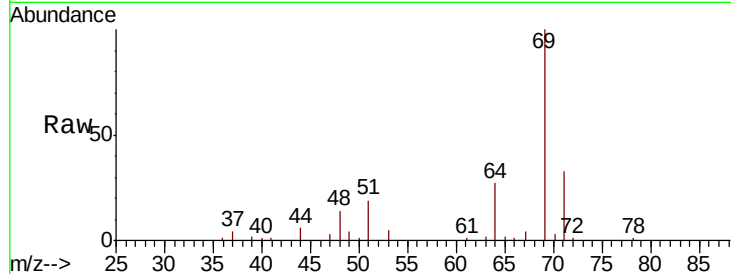




#8
 Chloroethane
 Concen: 0.055 ug/L
 RT: 1.93 min Scan# 182
 Delta R.T. -0.02 min
 Lab File: VU040785.D
 Acq: 18 Oct 2020 00:41

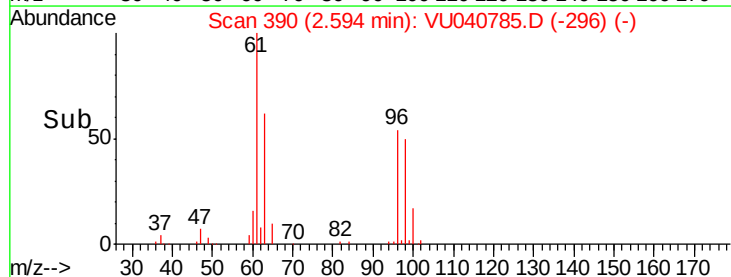
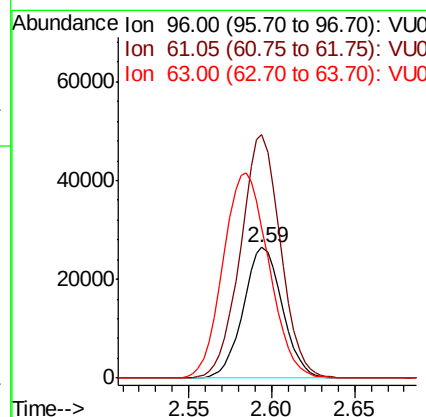
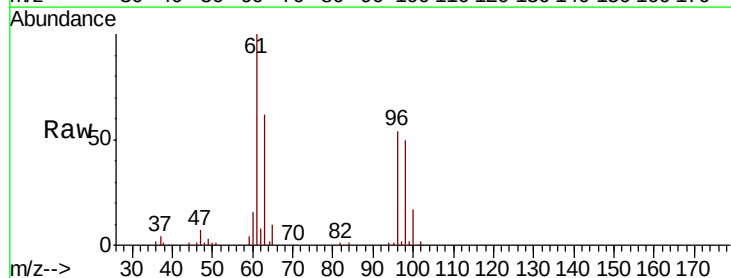
Instrument :
 MSVOA_U
 ClientSampleId :

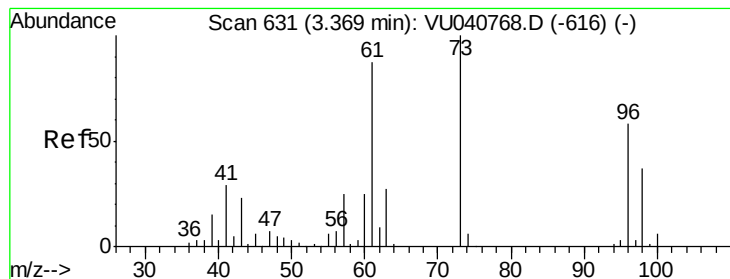
Tot Ion: 64 Resp: 390
 Ion Ratio Lower Upper
 64 100
 66 4.2 23.3 43.3#



#12
 1,1-Dichloroethene
 Concen: 4.820 ug/L
 RT: 2.59 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VU040785.D
 Acq: 18 Oct 2020 00:41

Tgt Ion: 96 Resp: 43172
 Ion Ratio Lower Upper
 96 100
 61 186.1 128.8 239.2
 63 115.1 84.6 157.2





#18

trans-1,2-Dichloroethene

Concen: 0.173 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU040785.D

Acq: 18 Oct 2020 00:41

Instrument :
MSVOA_U
ClientSampleId :

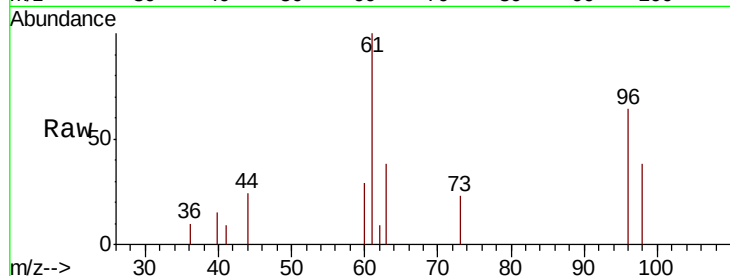
Tot Ion: 96 Resp: 1625

Ion Ratio Lower Upper

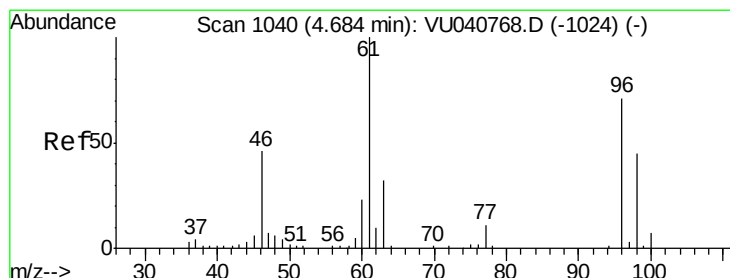
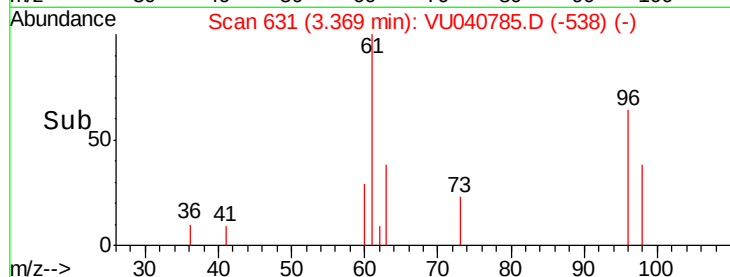
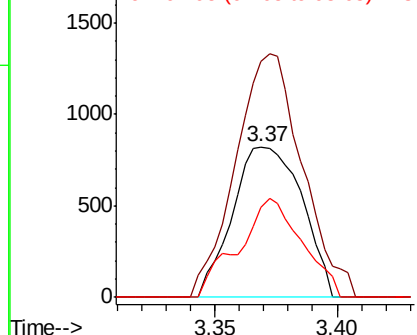
96 100

61 157.1 105.9 196.7

98 59.9 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0



#22

cis-1,2-Dichloroethene

Concen: 31.461 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040785.D

Acq: 18 Oct 2020 00:41

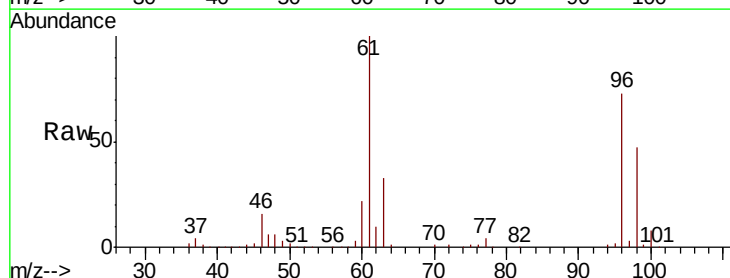
Tgt Ion: 96 Resp: 318076

Ion Ratio Lower Upper

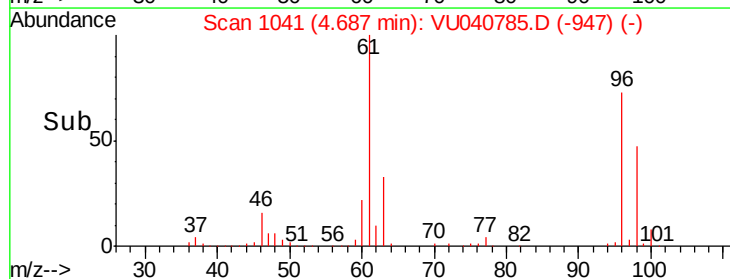
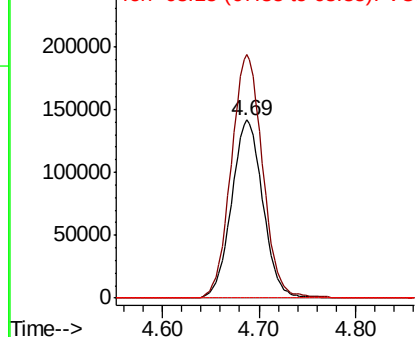
96 100

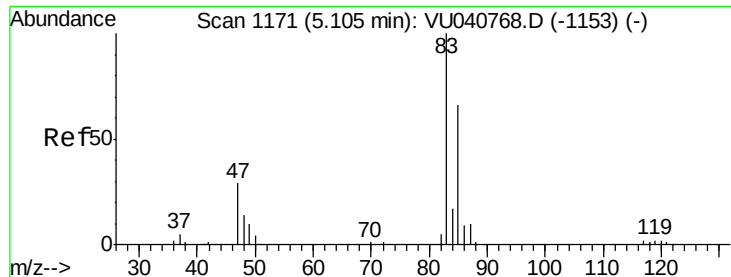
61 136.6 99.8 185.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0

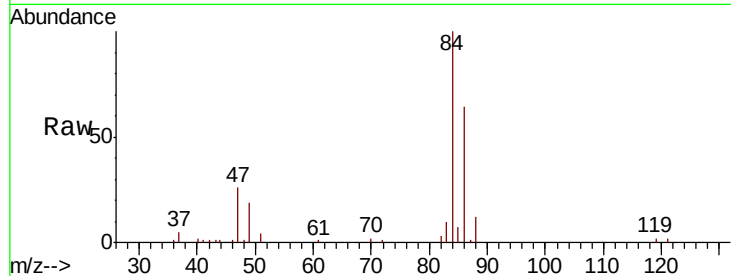




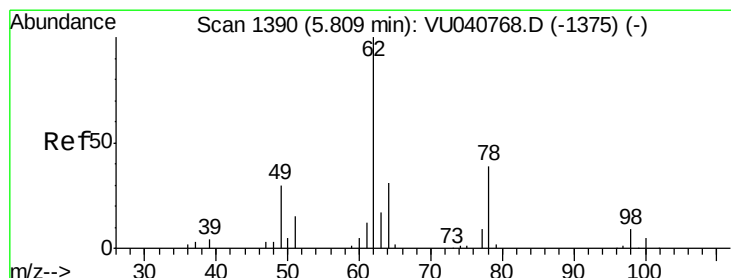
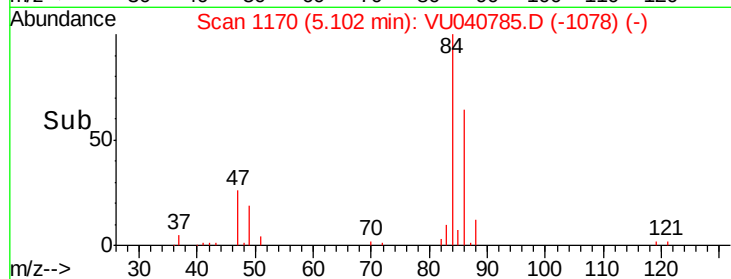
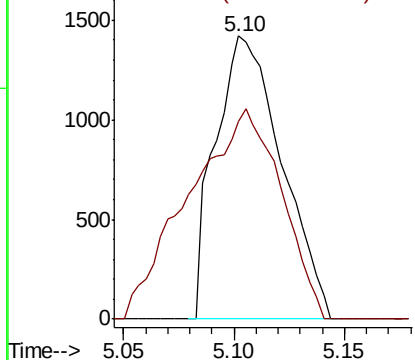
#25
Chloroform
Concen: 0.150 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040785.D
Acq: 18 Oct 2020 00:41

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 2966
Ion Ratio Lower Upper
83 100
85 70.0 46.5 86.5

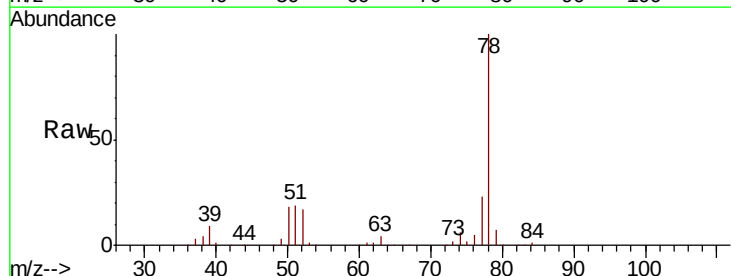


Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

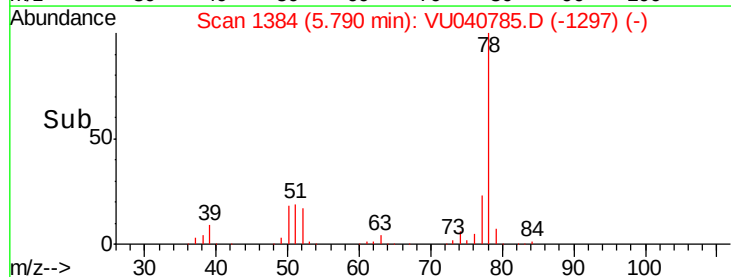
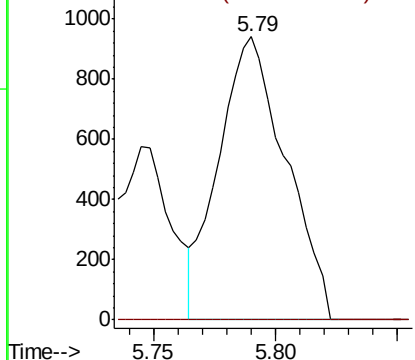


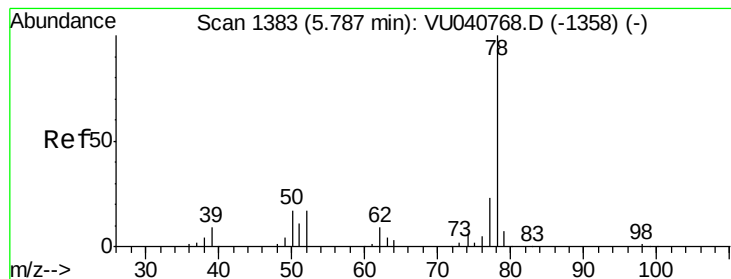
#27
1,2-Dichloroethane
Concen: 0.128 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.02 min
Lab File: VU040785.D
Acq: 18 Oct 2020 00:41

Tgt Ion: 62 Resp: 1800
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0





#33

Benzene

Concen: 4.624 ug/L

RT: 5.79 min Scan# 1384

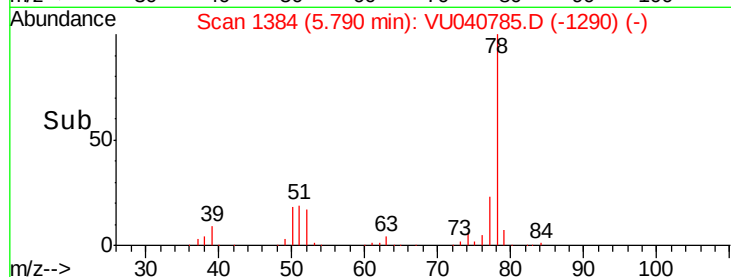
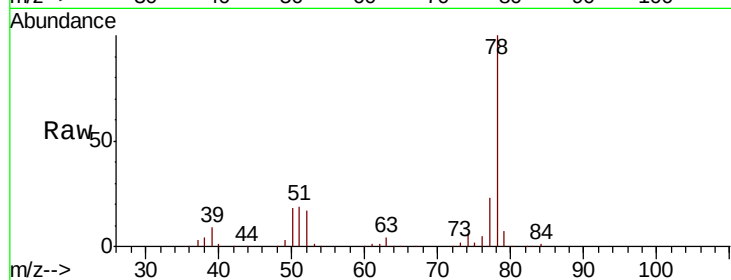
Delta R.T. 0.00 min

Lab File: VU040785.D

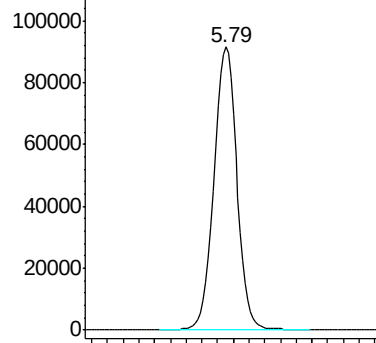
Acq: 18 Oct 2020 00:41

Instrument :
MSVOA_U
ClientSampled :

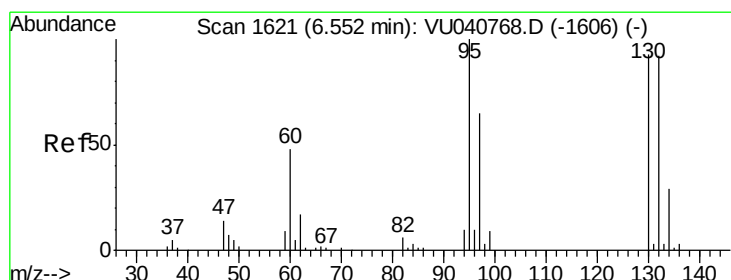
Tgt Ion: 78 Resp: 189078



Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->



#34

Trichloroethene

Concen: 4.845 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040785.D

Acq: 18 Oct 2020 00:41

Tgt Ion: 95 Resp: 51347

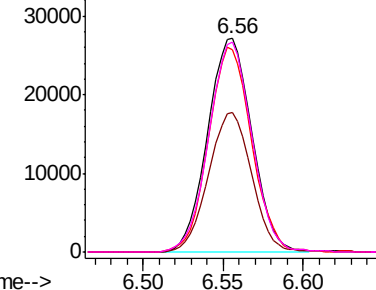
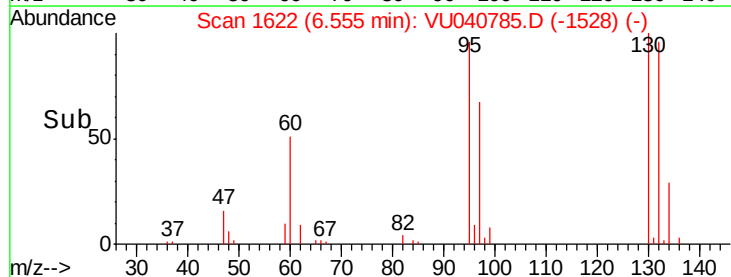
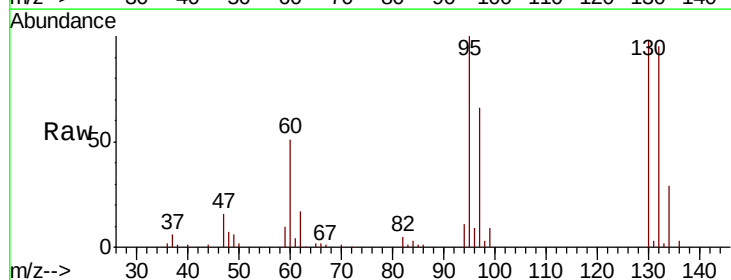
Ion	Ratio	Lower	Upper
95	100		
97	65.5	45.5	84.5
132	94.7	67.5	125.4
130	98.2	69.9	129.9

Abundance Ion 95.00 (94.70 to 95.70): VU0

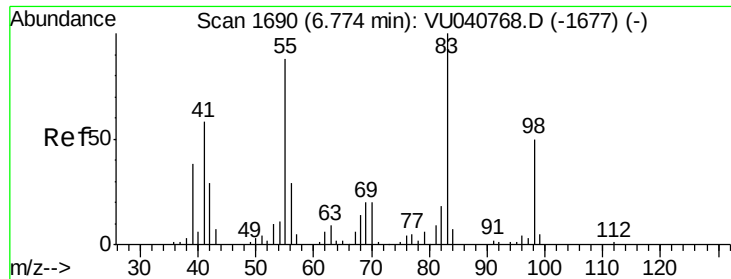
Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



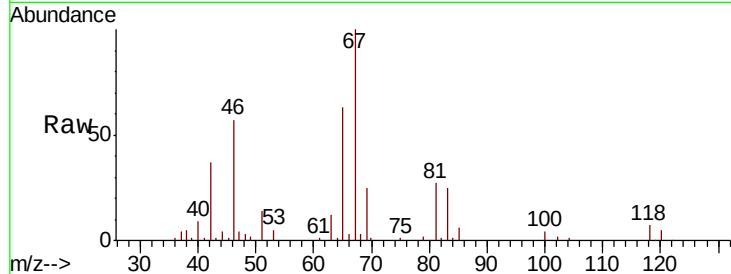
Time-->



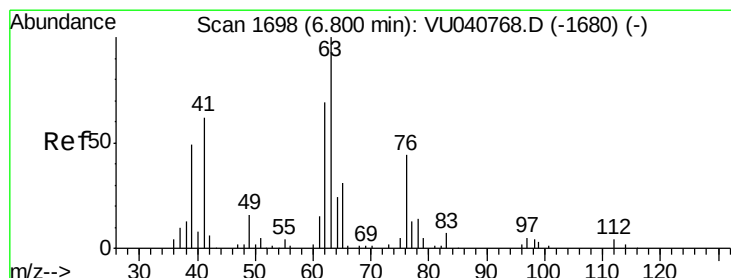
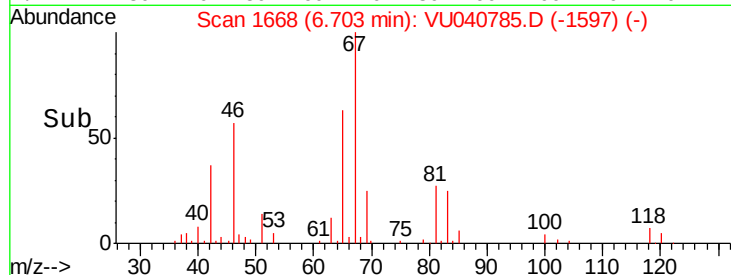
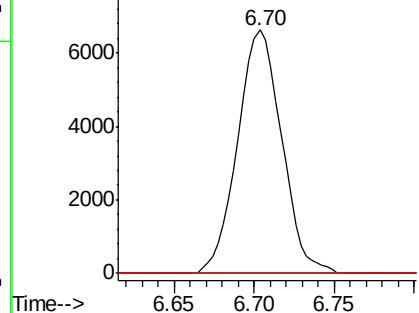
#35
Methylvlcyclohexane
Concen: 0.831 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040785.D
Acq: 18 Oct 2020 00:41

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 12488
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.0 38.4 57.6#

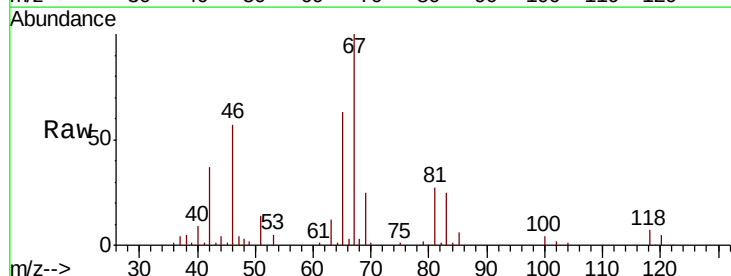


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

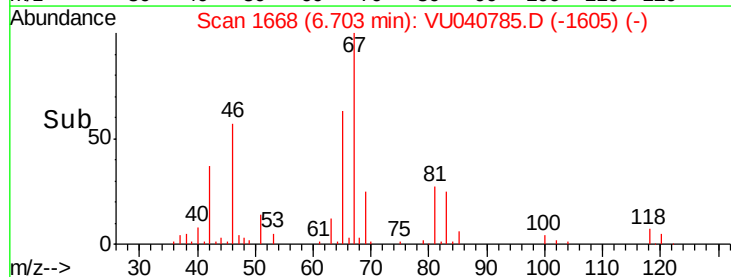
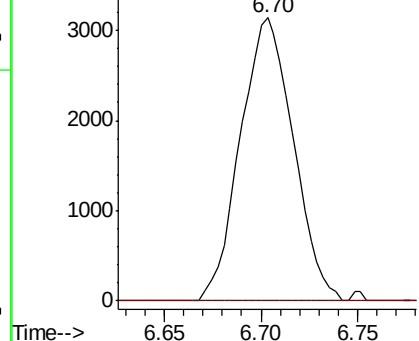


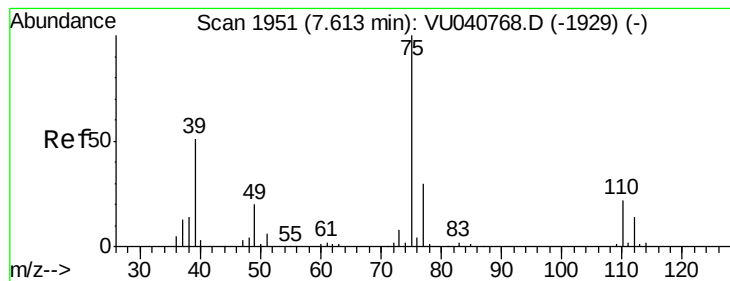
#37
1,2-Dichloropropane
Concen: 0.524 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040785.D
Acq: 18 Oct 2020 00:41

Tgt Ion: 63 Resp: 5972
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



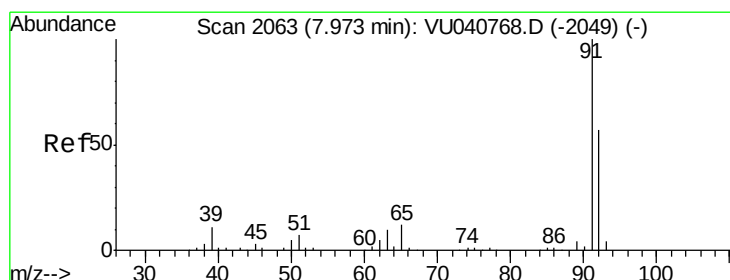
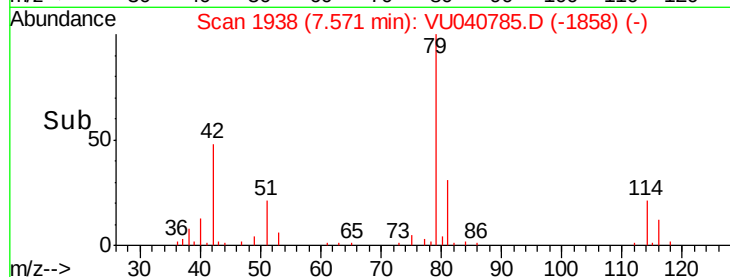
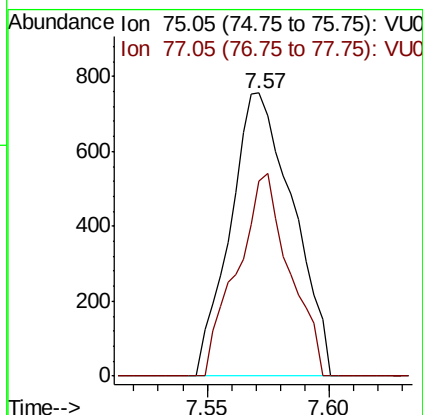
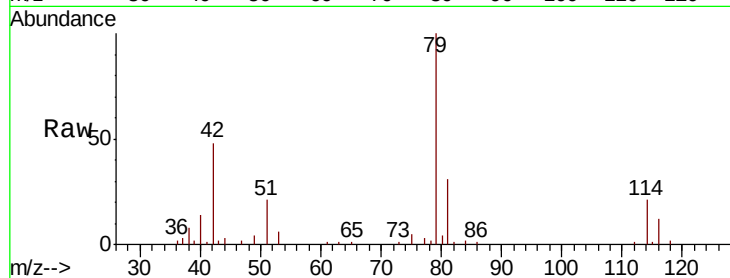


#39

cis-1,3-Dichloropropene
 Concen: 0.087 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040785.D
 Acq: 18 Oct 2020 00:41

Instrument :
 MSVOA_U
 ClientSampleId :

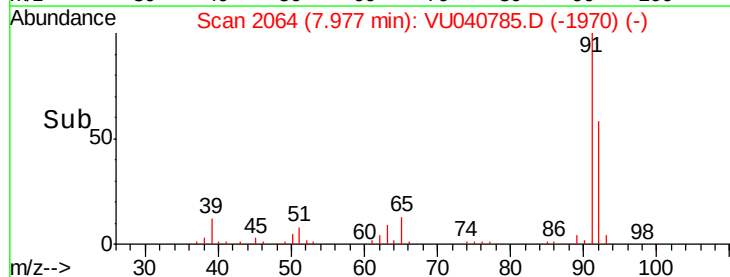
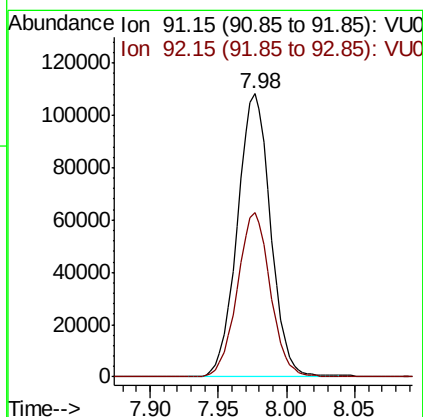
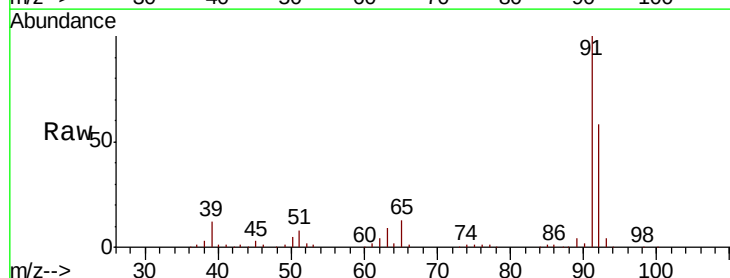
Tot Ion: 75 Resp: 1351
 Ion Ratio Lower Upper
 75 100
 77 69.0 20.5 38.1#

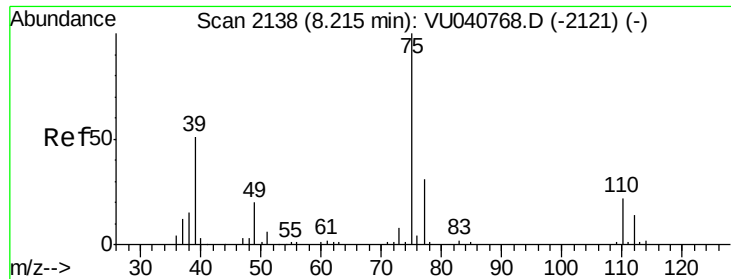


#42

Toluene
 Concen: 4.391 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU040785.D
 Acq: 18 Oct 2020 00:41

Tgt Ion: 91 Resp: 182975
 Ion Ratio Lower Upper
 91 100
 92 58.0 40.2 74.6

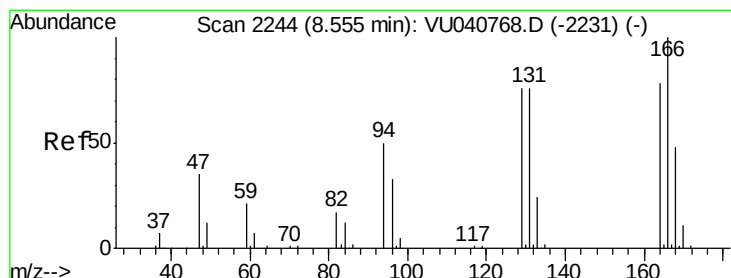
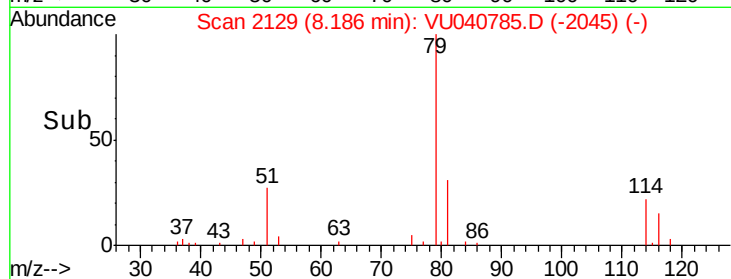
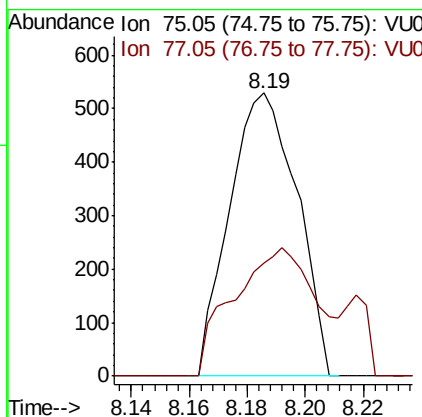
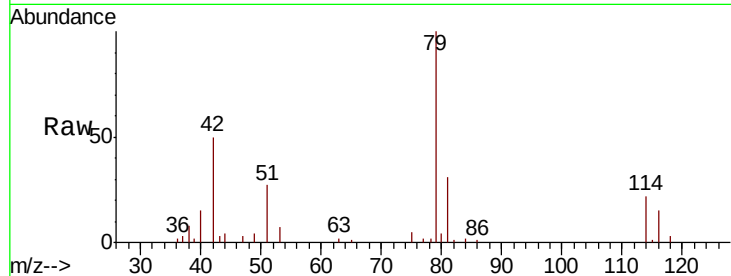




#44
trans-1,3-Dichloropropene
Concen: 0.060 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU040785.D
Acq: 18 Oct 2020 00:41

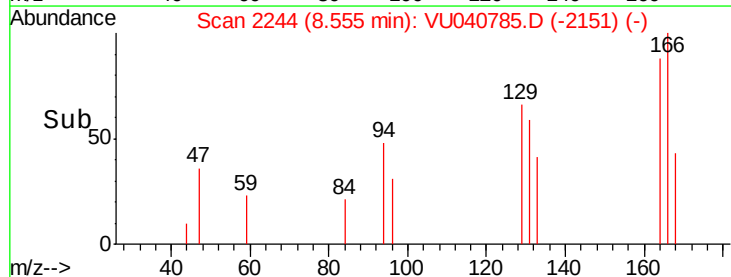
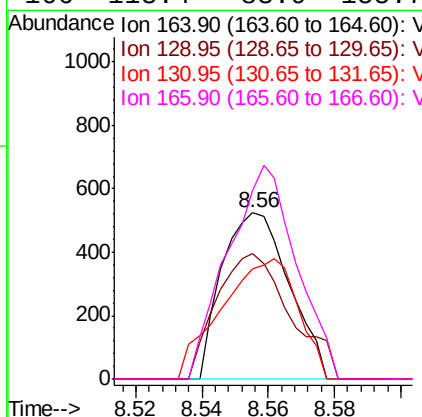
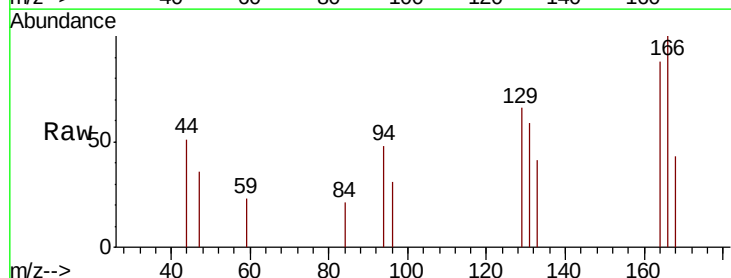
Instrument :
MSVOA_U
ClientSampleId :

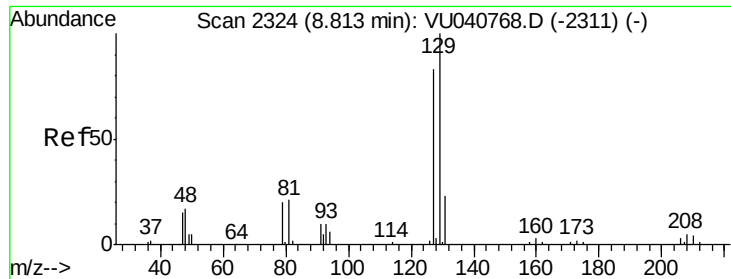
Tot Ion: 75 Resp: 855
Ion Ratio Lower Upper
75 100
77 40.1 20.4 38.0#



#47
Tetrachloroethene
Concen: 0.098 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU040785.D
Acq: 18 Oct 2020 00:41

Tgt Ion:164 Resp: 739
Ion Ratio Lower Upper
164 100
129 75.2 68.8 127.8
131 66.6 66.7 123.9#
166 113.4 83.9 155.7





#49

Dibromochloromethane

Concen: 0.062 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU040785.D

Acq: 18 Oct 2020 00:41

Instrument :

MSVOA_U

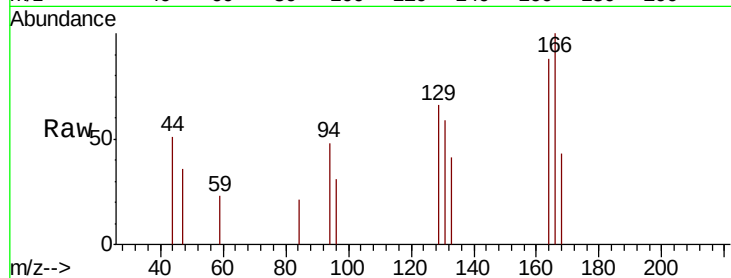
ClientSampled :

Tot Ion:129 Resp: 612

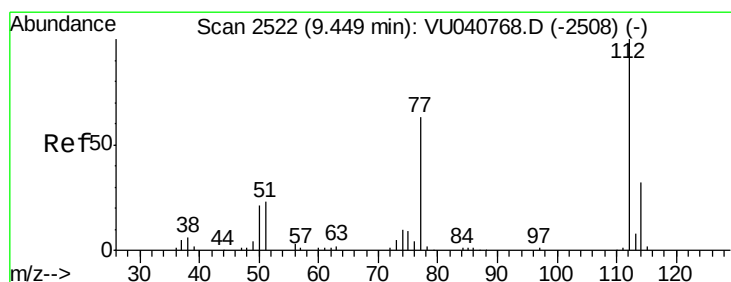
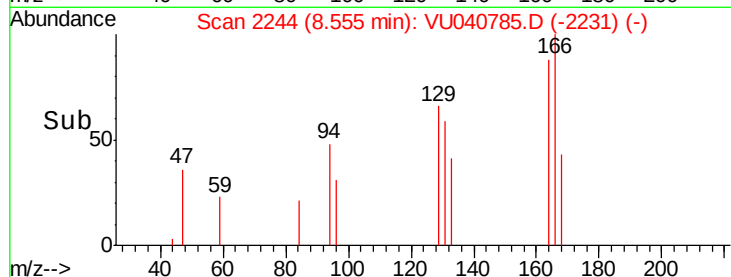
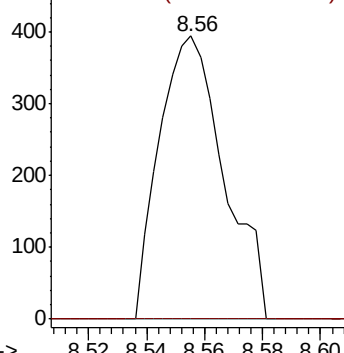
Ion Ratio Lower Upper

129 100

127 0.0 55.8 103.6#



Abundance Ion 128.95 (128.65 to 129.65): V



#51

Chlorobenzene

Concen: 4.677 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040785.D

Acq: 18 Oct 2020 00:41

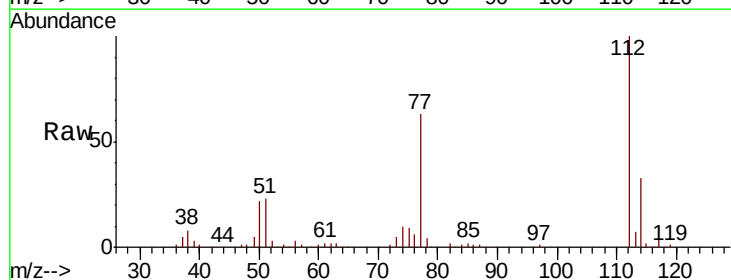
Tgt Ion:112 Resp: 128372

Ion Ratio Lower Upper

112 100

114 32.8 23.1 42.9

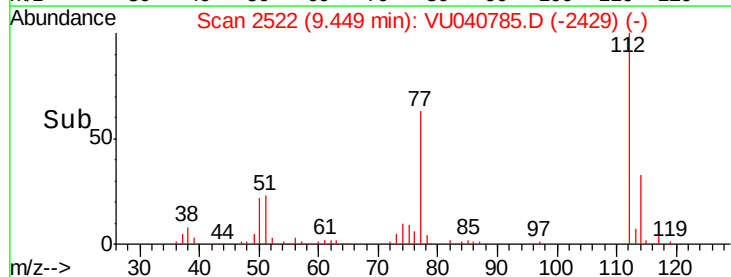
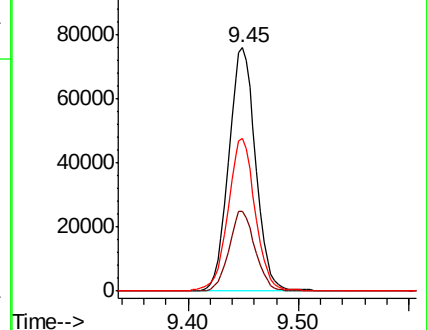
77 62.8 50.3 75.5

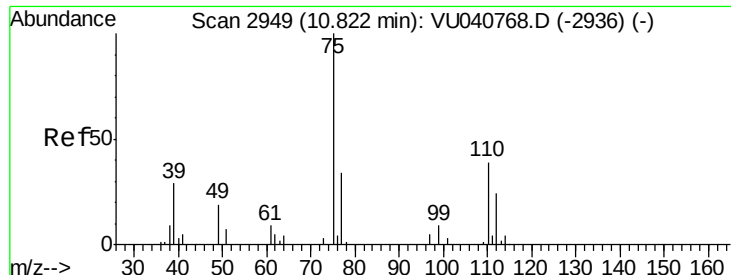


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0





#59

1,2,3-Trichloropropane

Concen: 0.763 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040785.D

Acq: 18 Oct 2020 00:41

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 6387

Ion Ratio Lower Upper

75 100

77 42.5 26.4 39.6#

