

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030520\
 Data File : VU037075.D
 Acq On : 05 Mar 2020 12:03
 Operator : JC/MD
 Sample : L1784-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AZ5

Quant Time: Mar 05 22:38:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 05 22:35:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	220350	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	210305	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	74395	50.00	ug/L	0.00

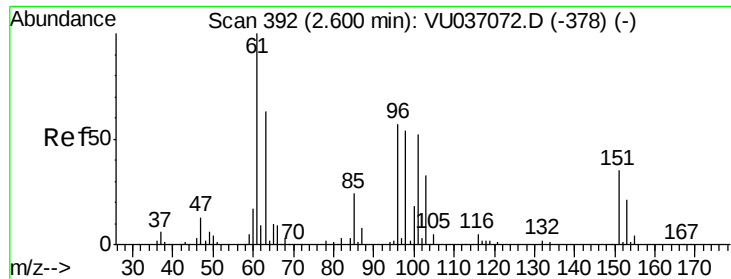
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	93229	50.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.76%
7) Chloroethane-d5	1.93	69	92207	60.22	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	120.44%
11) 1,1-Dichloroethene-d2	2.59	63	128346	41.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.84%
21) 2-Butanone-d5	4.67	46	162108	130.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	130.60%#
24) Chloroform-d	5.11	84	177738	62.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	125.80%#
26) 1,2-Dichloroethane-d4	5.74	65	122173	63.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	127.78%#
32) Benzene-d6	5.76	84	380806	62.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	125.24%#
36) 1,2-Dichloropropane-d6	6.72	67	126409	64.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	128.32%#
41) Toluene-d8	7.92	98	334165	59.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	118.46%
43) trans-1,3-Dichloropropene-	8.20	79	52042	56.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	113.68%
47) 2-Hexanone-d5	8.66	63	109213	113.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.36%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	174996	63.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	126.00%#
64) 1,2-Dichlorobenzene-d4	12.21	152	97719	67.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	134.38%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1135	0.807	ug/L #	23
13) Acetone	2.66	43	4816	3.772	ug/L	90
15) Methyl Acetate	2.79	43	5723	2.941	ug/L #	52
25) Chloroform	5.12	83	2325	0.811	ug/L #	69
35) Methylcyclohexane	6.73	83	28192	9.957	ug/L #	19
37) 1,2-Dichloropropane	6.73	63	14088	7.875	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3386	1.229	ug/L #	68
44) trans-1,3-Dichloropropene	8.21	75	2422	1.013	ug/L	93
48) 2-Hexanone	8.66	43	12430	5.909	ug/L #	69
51) Chlorobenzene	9.47	112	4825	1.150	ug/L	94
59) 1,2,3-Trichloropropane	11.83	75	12941	5.623	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	3038	1.274	ug/L	98

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



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.807 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU037075.D

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Instrument :

MSVOA_U

ClientSampled :

C0AZ5

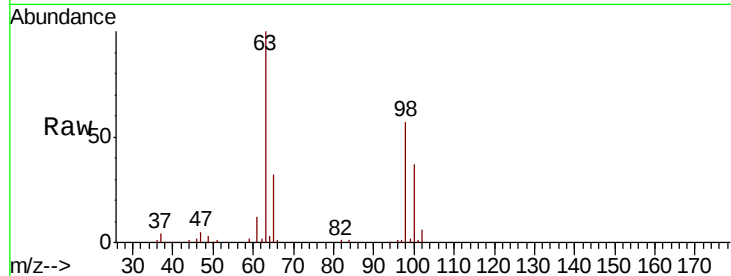
Tot Ion:101 Resp: 1135

Ion Ratio Lower Upper

101 100

85 0.0 36.4 54.6#

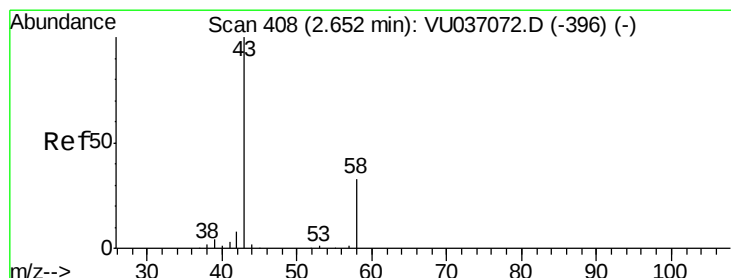
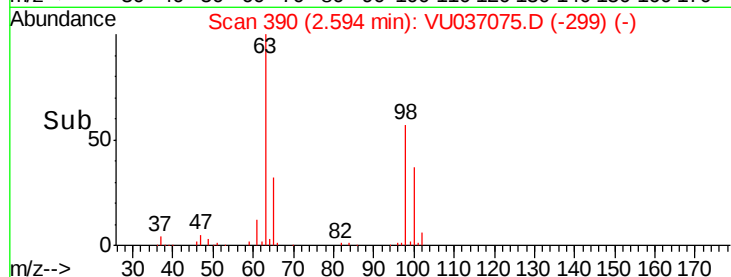
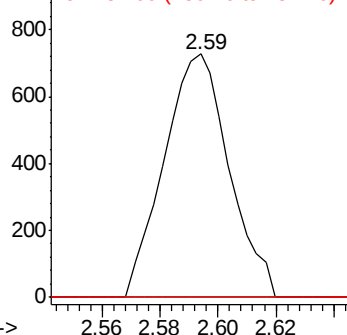
151 0.0 52.4 78.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 3.772 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037075.D

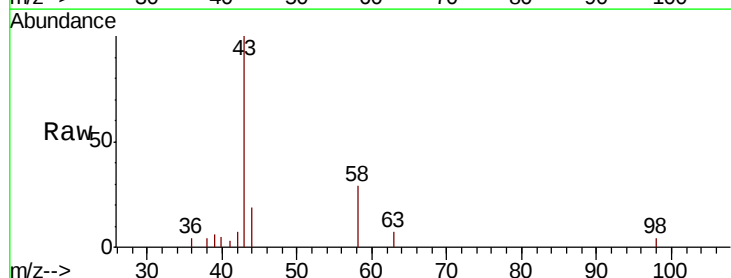
Acq: 05 Mar 2020 12:03

Tgt Ion: 43 Resp: 4816

Ion Ratio Lower Upper

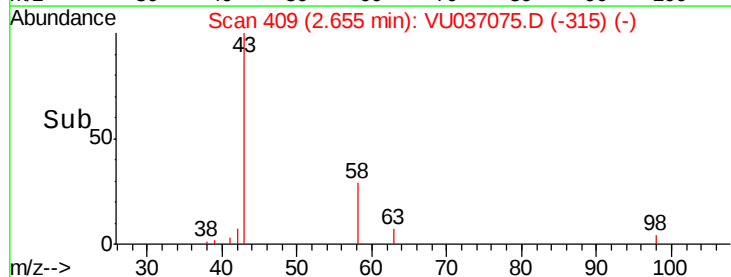
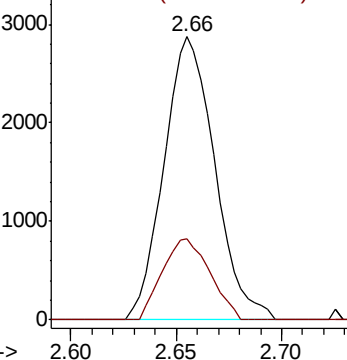
43 100

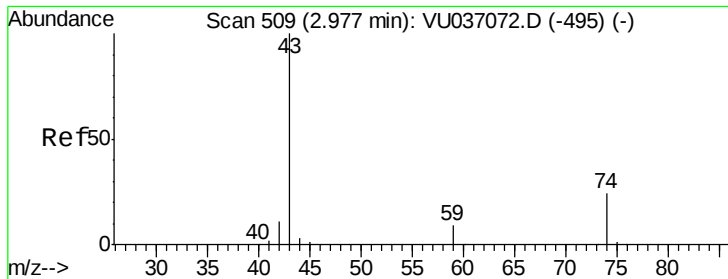
58 26.8 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

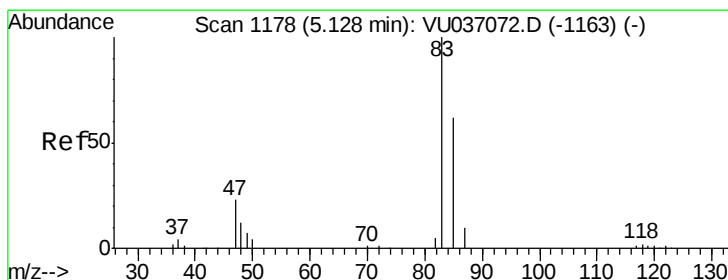
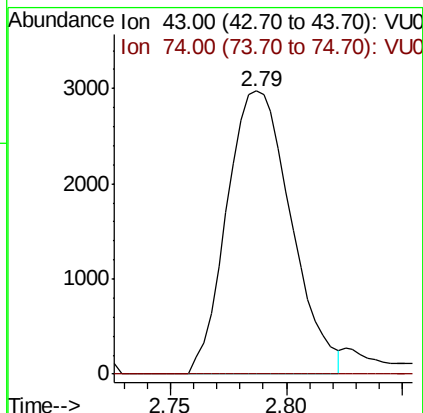
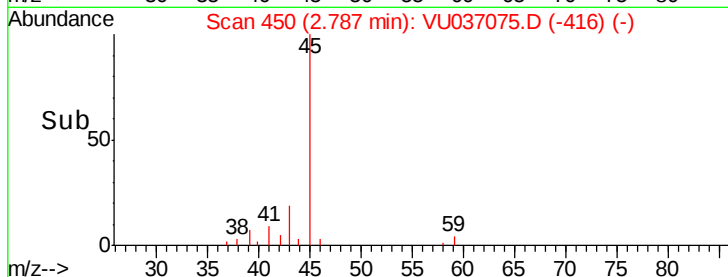
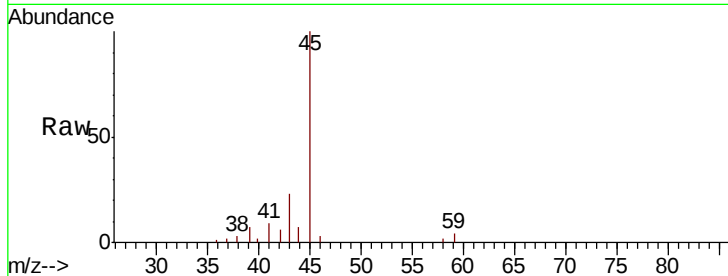




#15
Methvl Acetate
Concen: 2.941 ug/L
RT: 2.79 min Scan# 450
Delta R.T. -0.19 min
Lab File: VU037075.D
Acq: 05 Mar 2020 12:03

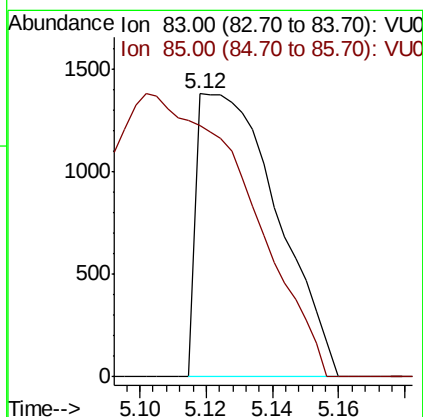
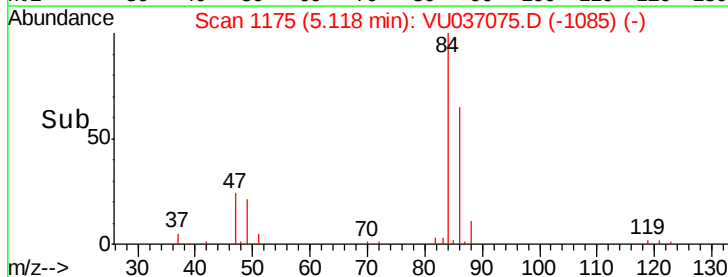
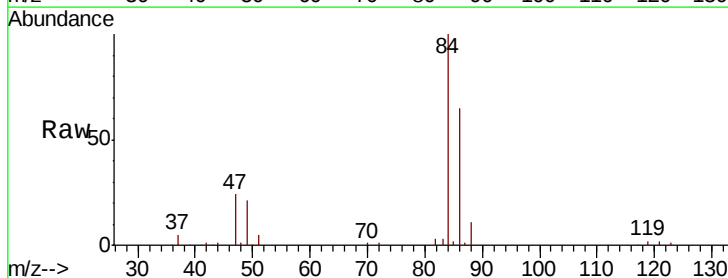
Instrument :
MSVOA_U
ClientSampleId :
C0AZ5

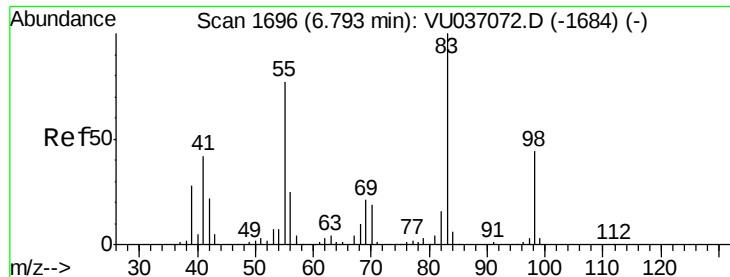
Tot Ion: 43 Resp: 5723
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



#25
Chloroform
Concen: 0.811 ug/L
RT: 5.12 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VU037075.D
Acq: 05 Mar 2020 12:03

Tgt Ion: 83 Resp: 2325
Ion Ratio Lower Upper
83 100
85 89.0 45.1 83.9#

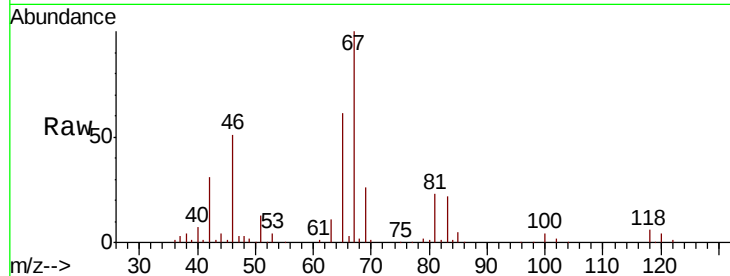




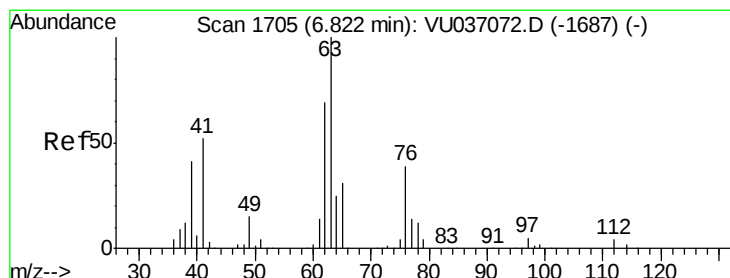
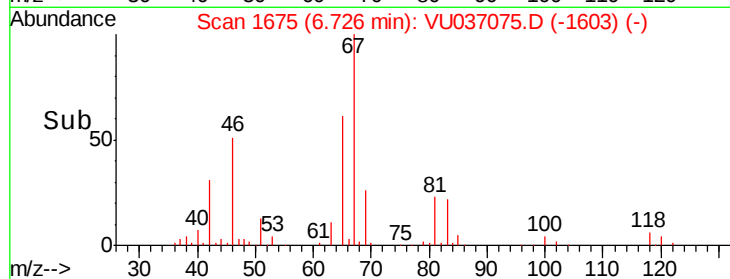
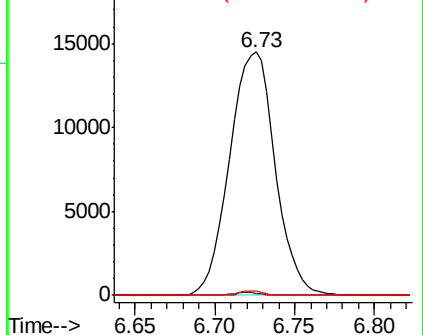
#35
Methvlcvclohexane
Concen: 9.957 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.07 min
Lab File: VU037075.D
Acq: 05 Mar 2020 12:03

Instrument :
MSVOA_U
ClientSampleId :
C0AZ5

Tot Ion	83	Resp	28192
Ion Ratio	Lower	Upper	
83	100		
55	0.5	62.6	93.8#
98	1.0	35.1	52.7#

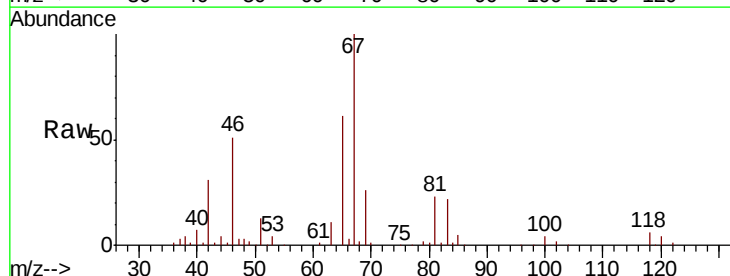


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

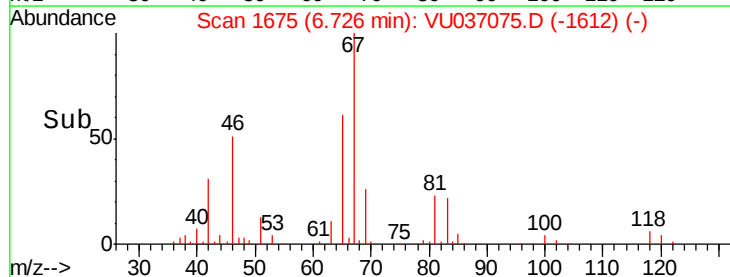
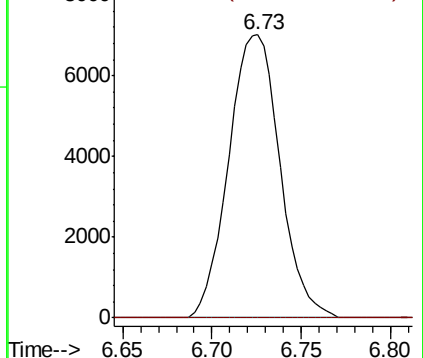


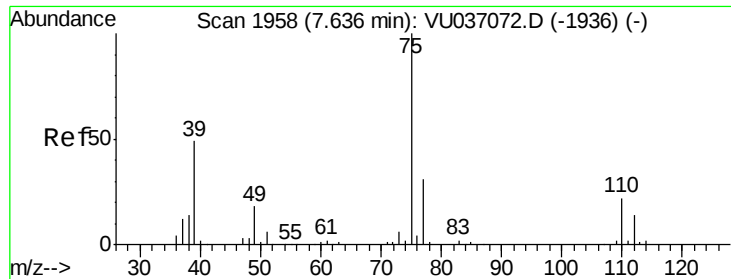
#37
1,2-Dichloropropane
Concen: 7.875 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.10 min
Lab File: VU037075.D
Acq: 05 Mar 2020 12:03

Tgt Ion	63	Resp	14088
Ion Ratio	Lower	Upper	
63	100		
112	0.0	3.0	4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V

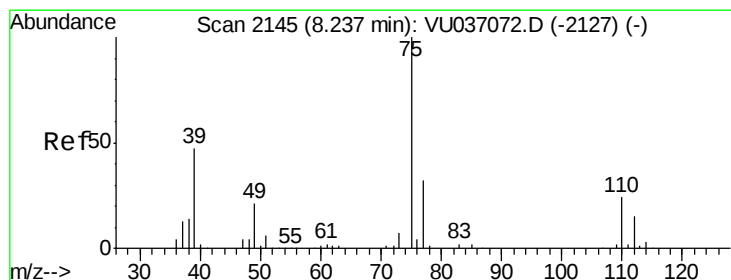
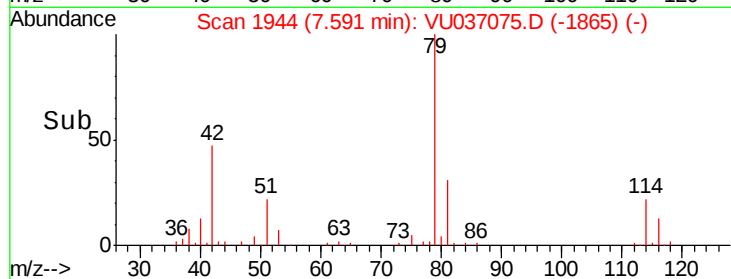
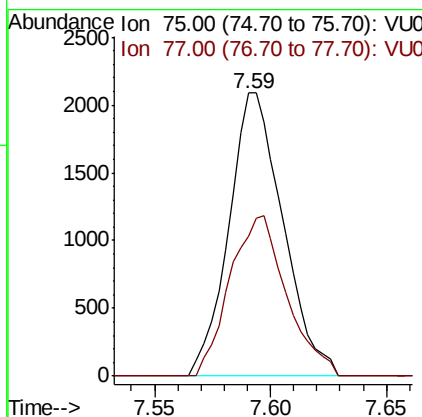
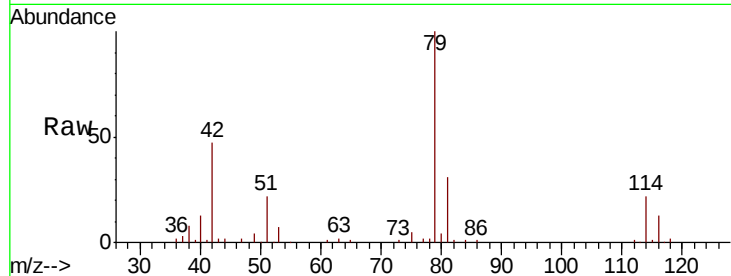




#39
 cis-1,3-Dichloropropene
 Concen: 1.229 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.05 min
 Lab File: VU037075.D
 Acq: 05 Mar 2020 12:03

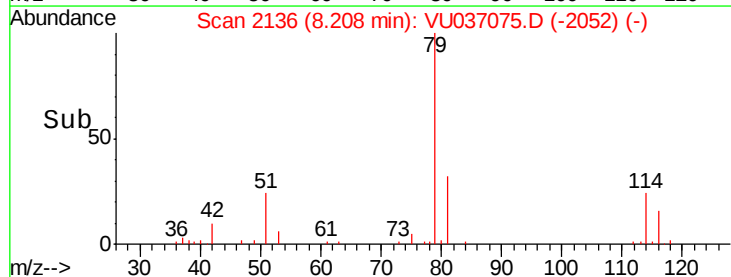
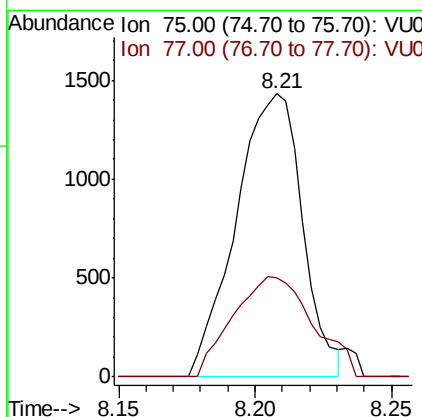
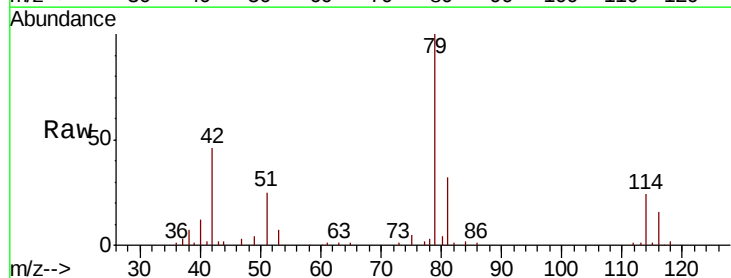
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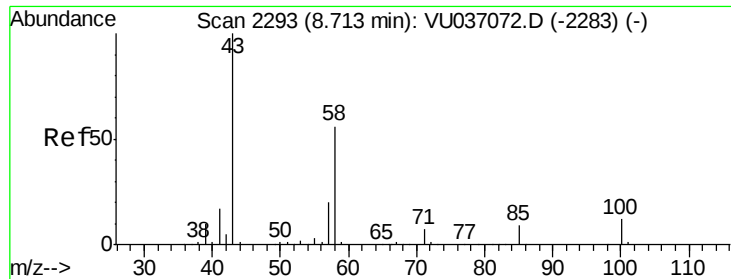
Tot Ion: 75 Resp: 3386
 Ion Ratio Lower Upper
 75 100
 77 49.3 22.0 41.0#



#44
 trans-1,3-Dichloropropene
 Concen: 1.013 ug/L
 RT: 8.21 min Scan# 2136
 Delta R.T. -0.03 min
 Lab File: VU037075.D
 Acq: 05 Mar 2020 12:03

Tgt Ion: 75 Resp: 2422
 Ion Ratio Lower Upper
 75 100
 77 34.8 21.6 40.2

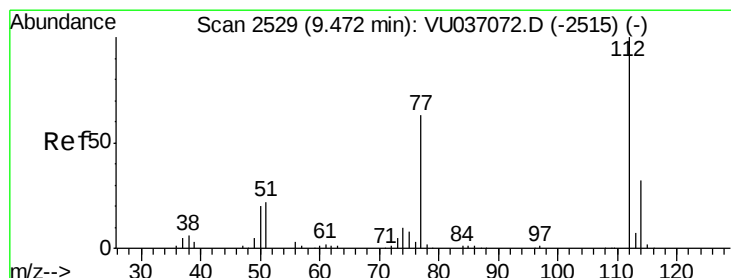
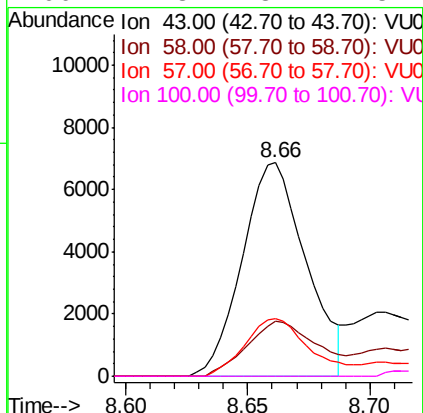
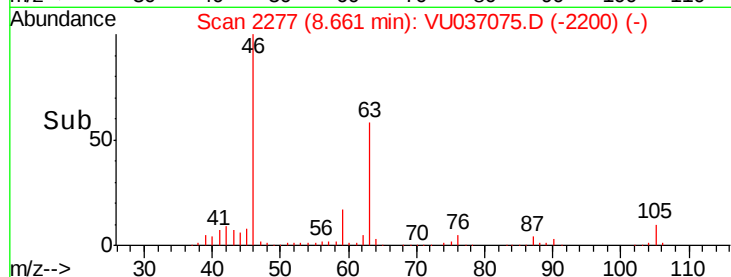
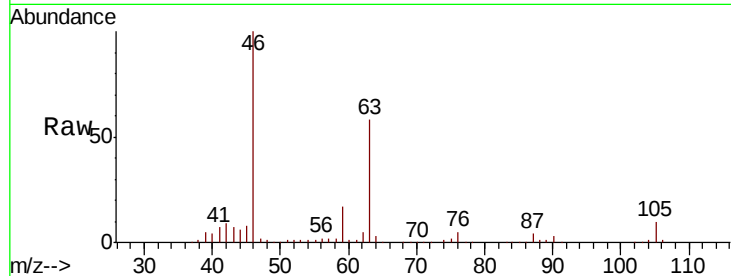




#48
2-Hexanone
Concen: 5.909 ug/L
RT: 8.66 min Scan# 2277
Delta R.T. -0.05 min
Lab File: VU037075.D
Acq: 05 Mar 2020 12:03

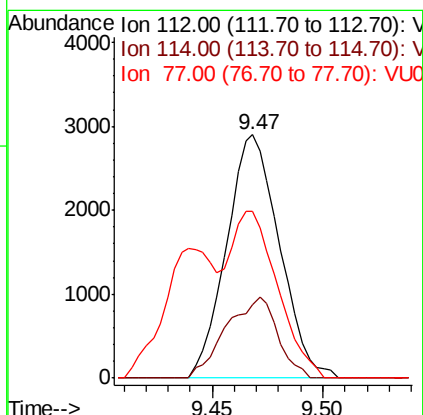
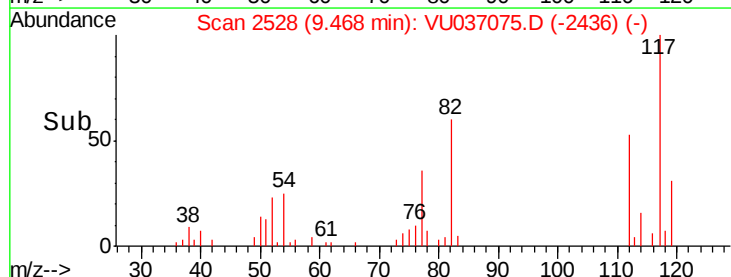
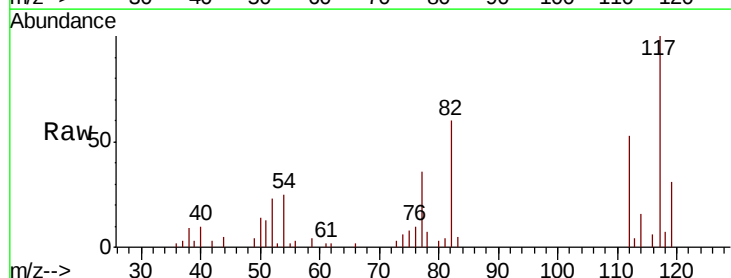
Instrument :
MSVOA_U
ClientSampleId :
C0AZ5

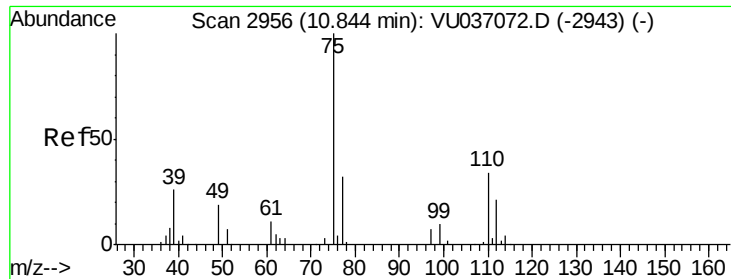
Tot Ion: 43 Resp: 12430
Ion Ratio Lower Upper
43 100
58 28.5 43.5 65.3#
57 27.3 15.1 22.7#
100 1.3 8.7 13.1#



#51
Chlorobenzene
Concen: 1.150 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU037075.D
Acq: 05 Mar 2020 12:03

Tgt Ion: 112 Resp: 4825
Ion Ratio Lower Upper
112 100
114 29.9 22.3 41.5
77 68.4 50.1 75.1

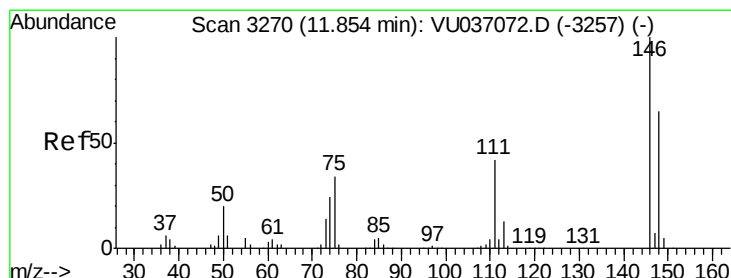
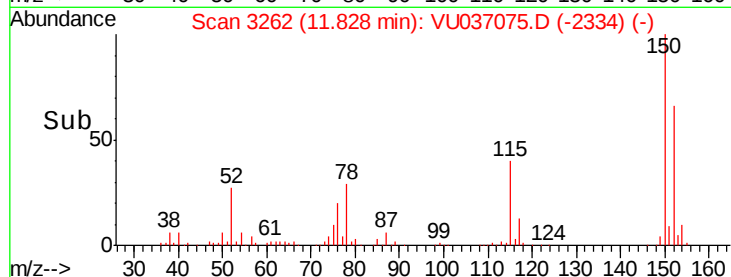
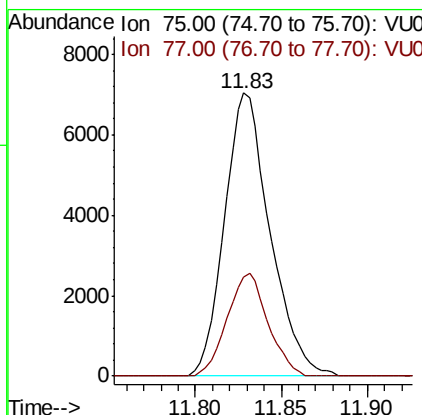
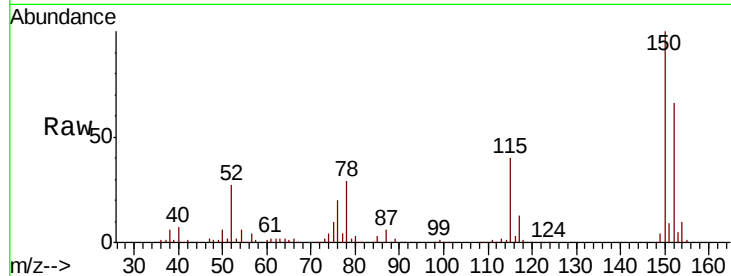




#59
 1,2,3-Trichloropropane
 Concen: 5.623 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. 0.98 min
 Lab File: VU037075.D
 Acq: 05 Mar 2020 12:03

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AZ5

Tot Ion: 75 Resp: 12941
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.2 39.2



#63
 1,4-Dichlorobenzene
 Concen: 1.274 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU037075.D
 Acq: 05 Mar 2020 12:03

Tgt Ion: 146 Resp: 3038
 Ion Ratio Lower Upper
 146 100
 111 40.7 29.8 55.4
 148 65.2 45.1 83.9

