

Data File : VU032493.D
Acq On : 06 Jun 2019 13:44
Operator : JC/SP
Sample : K3213-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8K0

Quant Time: Jun 07 04:11:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 04:06:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	209988	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	196695	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	103872	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	51442	37.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.52%
7) Chloroethane-d5	1.68	69	45671	41.72	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.44%
11) 1,1-Dichloroethene-d2	2.27	63	86018	32.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.50%
21) 2-Butanone-d5	4.17	46	135321	118.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.69%
24) Chloroform-d	4.64	84	118446	46.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.24%
26) 1,2-Dichloroethane-d4	5.30	65	79353	49.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.16%
32) Benzene-d6	5.33	84	249491	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.72%
36) 1,2-Dichloropropane-d6	6.32	67	79942	49.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.86%
41) Toluene-d8	7.56	98	237089	48.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.94%
43) trans-1,3-Dichloropropene-	7.85	79	37966	49.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.10%
47) 2-Hexanone-d5	8.31	63	99612	128.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	128.26%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	124754	53.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.54%
64) 1,2-Dichlorobenzene-d4	11.85	152	104313	52.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.86%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	1797	0.983 ug/L #	41
8) Chloroethane	1.70	64	582	0.536 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	771	0.601 ug/L #	18
12) 1,1-Dichloroethene	2.26	96	757	0.608 ug/L #	1
13) Acetone	2.32	43	5155	4.382 ug/L	89
17) trans-1,2-Dichloroethene	2.98	96	2041	1.512 ug/L	84
19) 1,1-Dichloroethane	3.44	63	2446	0.994 ug/L	96
33) Benzene	5.39	78	32729	5.922 ug/L	100
35) Methylcyclohexane	6.32	83	18158	7.460 ug/L #	20
39) cis-1,3-Dichloropropene	7.22	75	2470	1.069 ug/L #	67
44) trans-1,3-Dichloropropene	7.85	75	1910	0.931 ug/L	94
48) 2-Hexanone	8.31	43	146171	75.510 ug/L #	42
51) Chlorobenzene	9.12	112	14375	3.686 ug/L	95
56) Isopropylbenzene	10.16	105	6429	0.957 ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.49	83	3068	1.296 ug/L #	33
63) 1,4-Dichlorobenzene	11.51	146	2235	0.696 ug/L #	77
66) 1,2-Dibromo-3-chloropropan	12.70	75	3327	6.224 ug/L #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Jun 07 04:06:44 2019
Response via : Initial Calibration

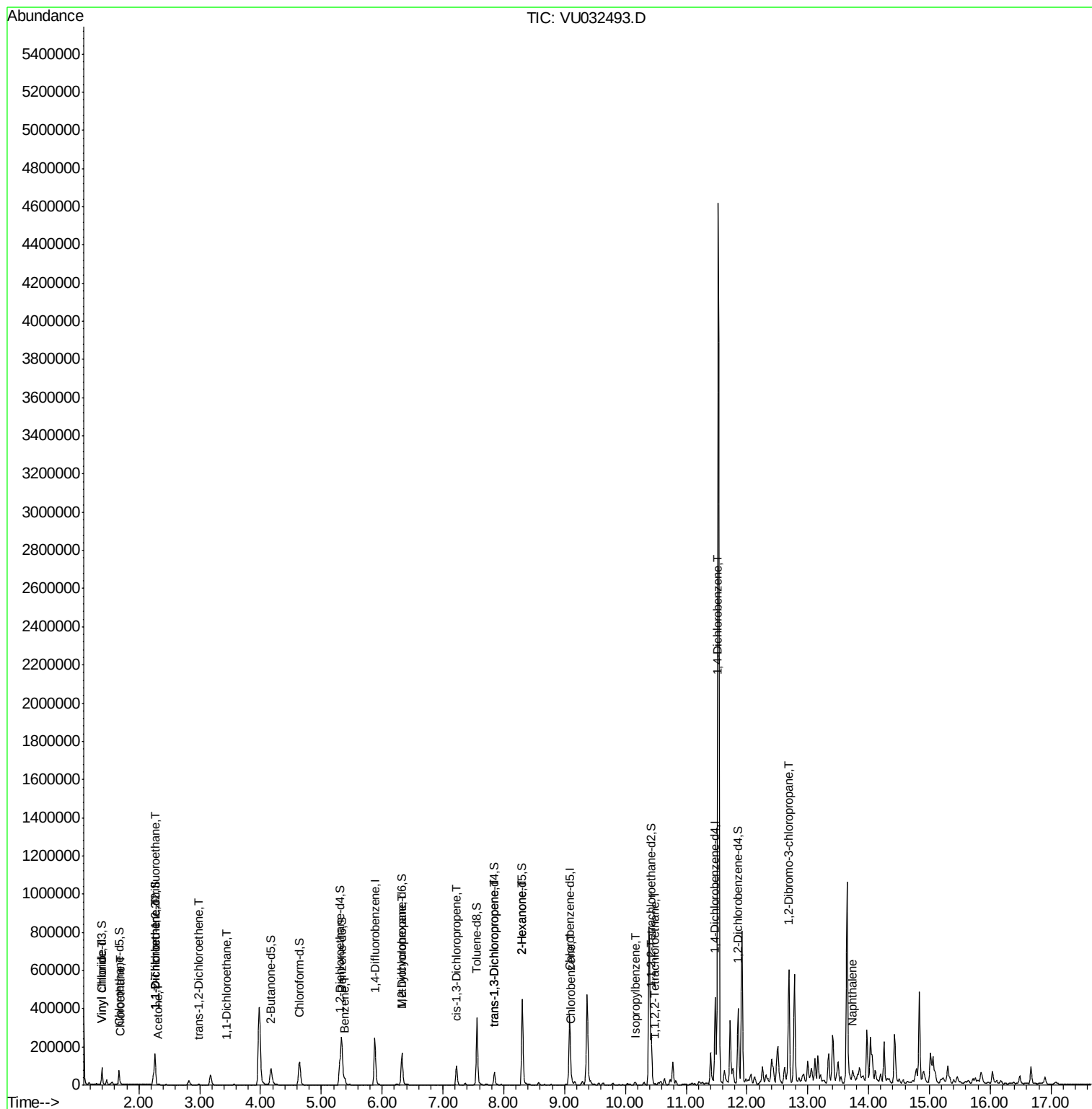
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.74	128	13229	2.025	ug/L #	91

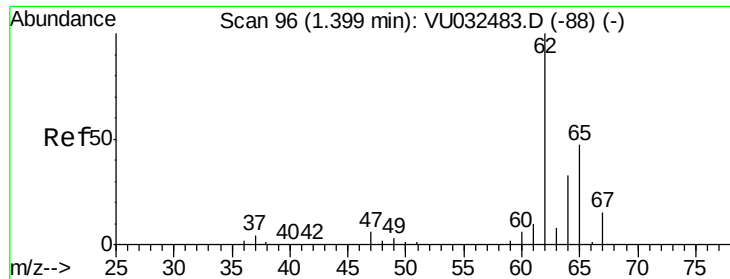
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 04:06:44 2019
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#5

Vinyl chloride

Concen: 0.983 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032493.D

Acq: 06 Jun 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

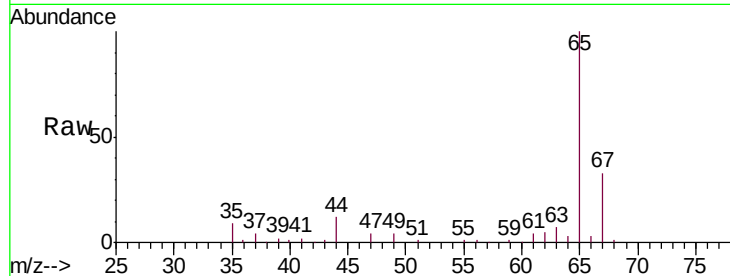
DB8K0

Tgt Ion: 62 Resp: 1797

Ion Ratio Lower Upper

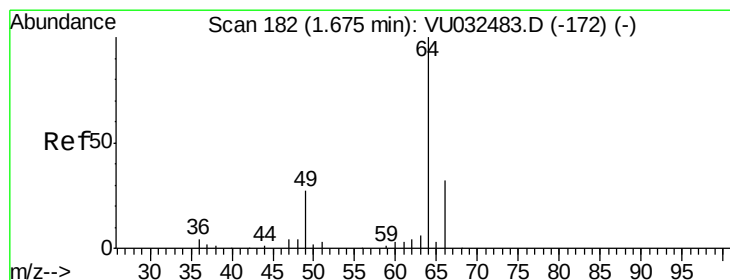
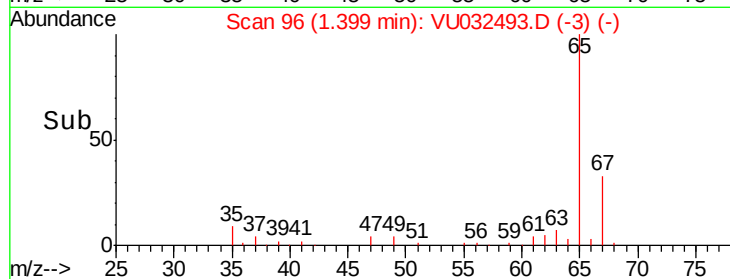
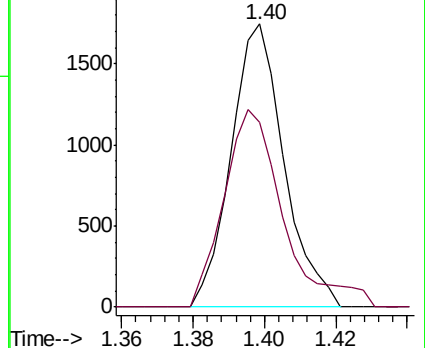
62 100

64 65.2 22.6 42.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#8

Chloroethane

Concen: 0.536 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.02 min

Lab File: VU032493.D

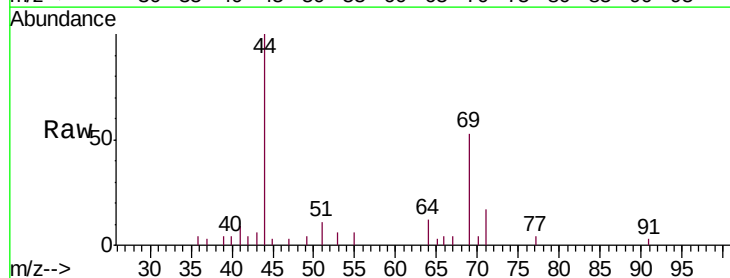
Acq: 06 Jun 2019 13:44

Tgt Ion: 64 Resp: 582

Ion Ratio Lower Upper

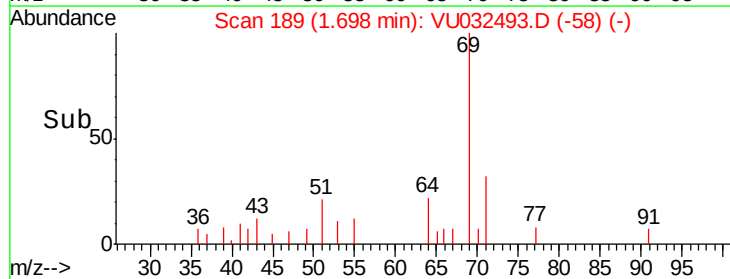
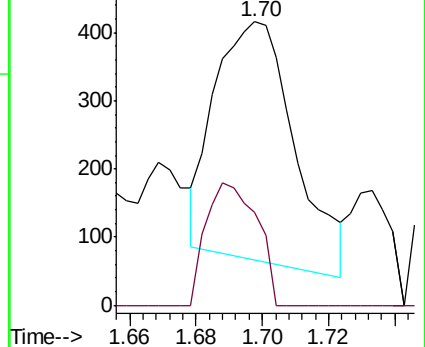
64 100

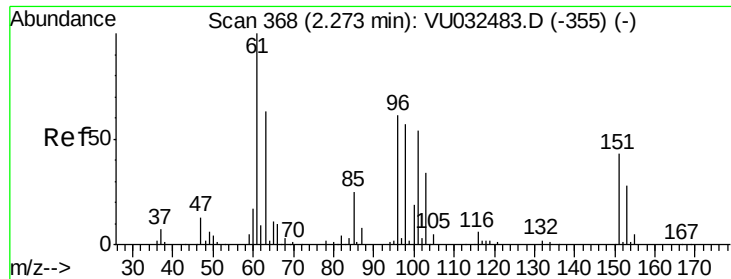
66 32.7 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#10

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

Concen: 0.601 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032493.D

Acq: 06 Jun 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

DB8K0

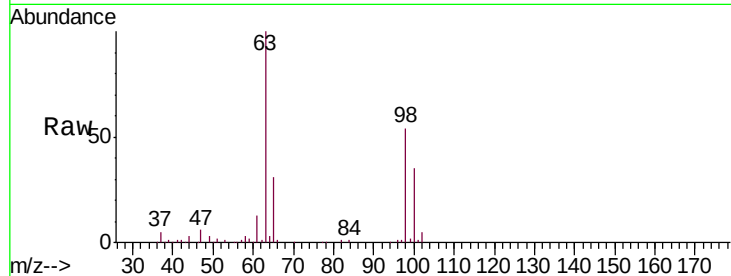
Tgt Ion: 101 Resp: 771

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

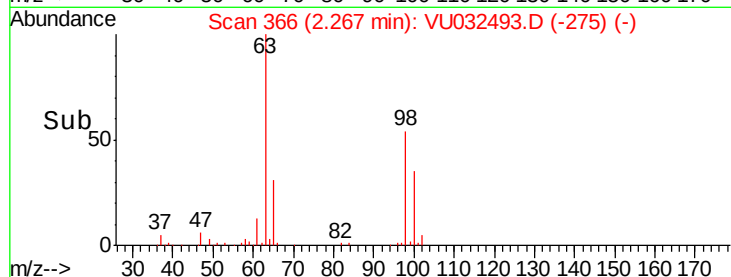
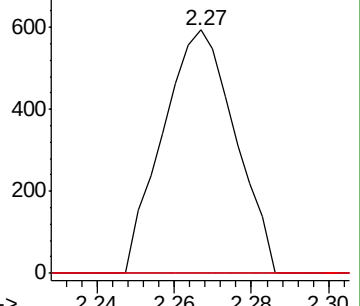
151 0.0 63.0 94.4#



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



#12

1,1-Dichloroethene

Concen: 0.608 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU032493.D

Acq: 06 Jun 2019 13:44

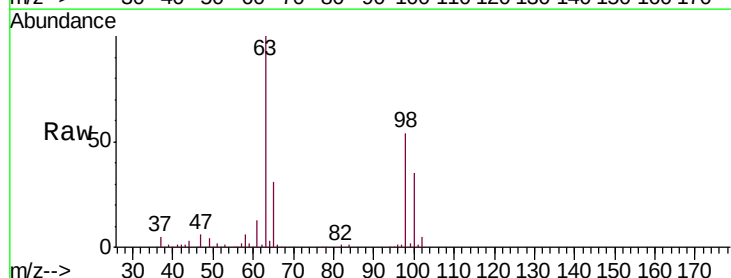
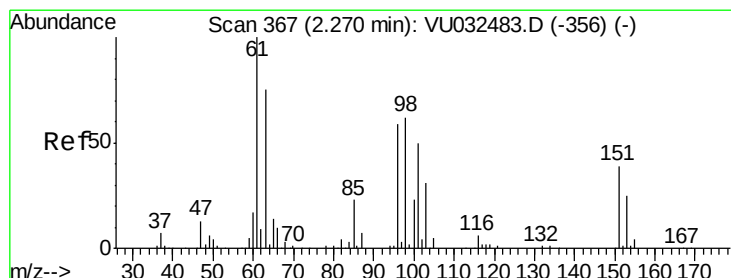
Tgt Ion: 96 Resp: 757

Ion Ratio Lower Upper

96 100

61 1399.0 129.5 240.5#

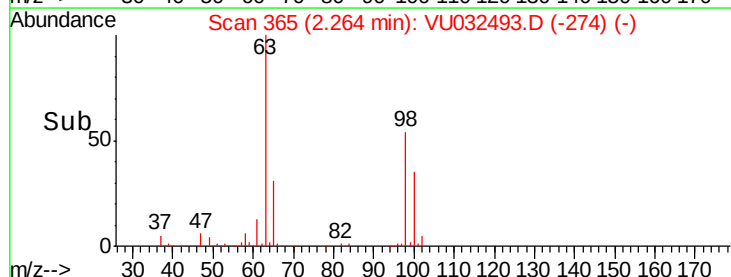
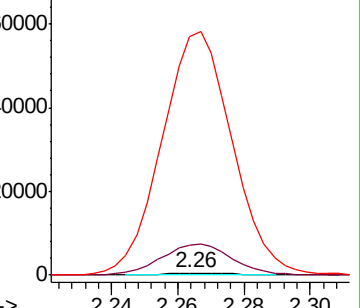
63 11019.0 103.4 192.0#

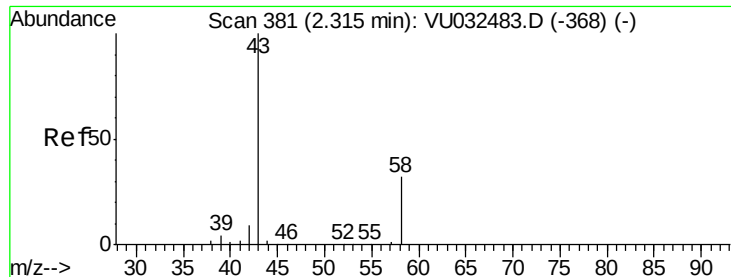


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.382 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032493.D

Acq: 06 Jun 2019 13:44

Instrument :

MSVOA_U

ClientSampled :

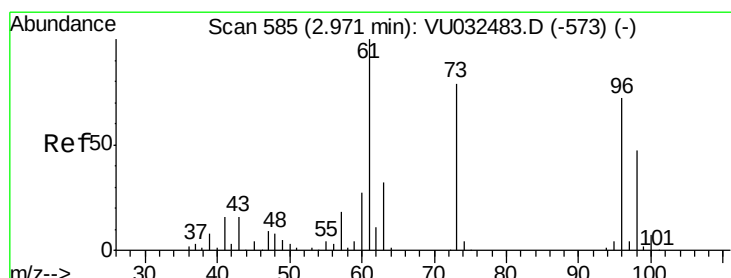
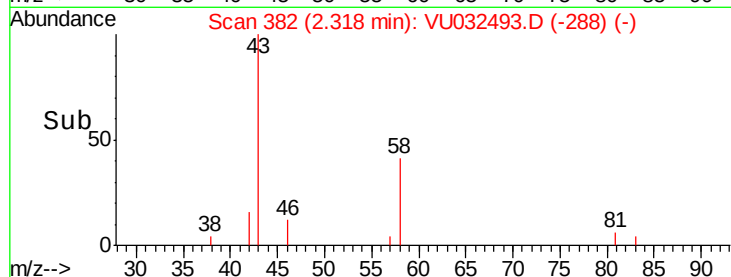
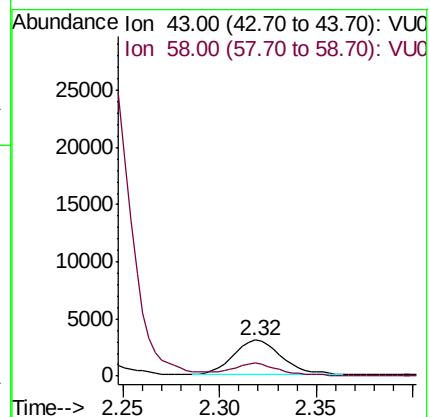
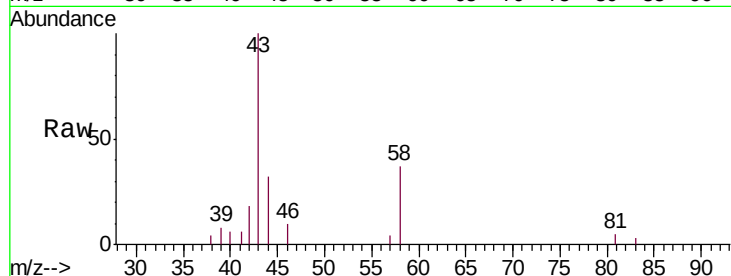
DB8K0

Tgt Ion: 43 Resp: 5155

Ion Ratio Lower Upper

43 100

58 38.2 0.0 64.0



#17

trans-1,2-Dichloroethene

Concen: 1.512 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.01 min

Lab File: VU032493.D

Acq: 06 Jun 2019 13:44

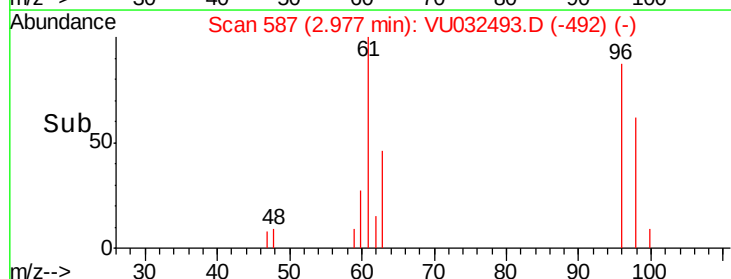
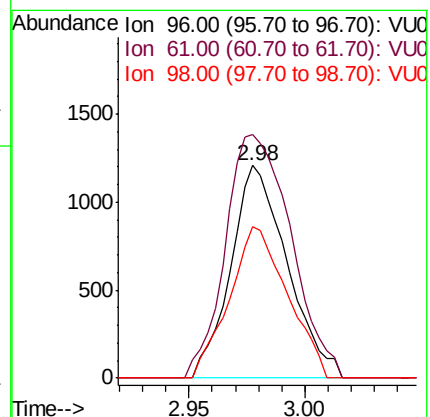
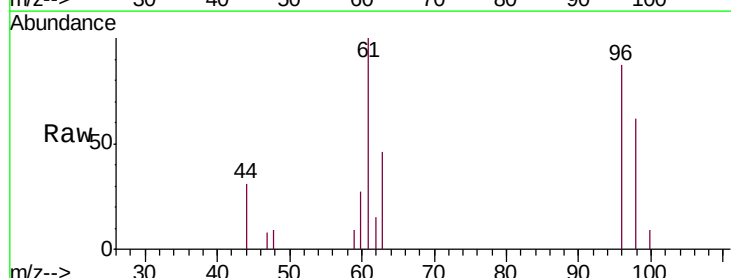
Tgt Ion: 96 Resp: 2041

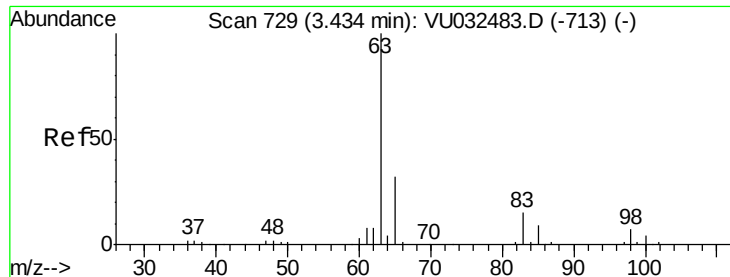
Ion Ratio Lower Upper

96 100

61 114.6 95.7 177.7

98 71.1 44.0 81.6





#19

1,1-Dichloroethane

Concen: 0.994 ug/L

RT: 3.44 min Scan# 732

Delta R.T. 0.01 min

Lab File: VU032493.D

Acq: 06 Jun 2019 13:44

Instrument :

MSVOA_U

ClientSampled :

DB8K0

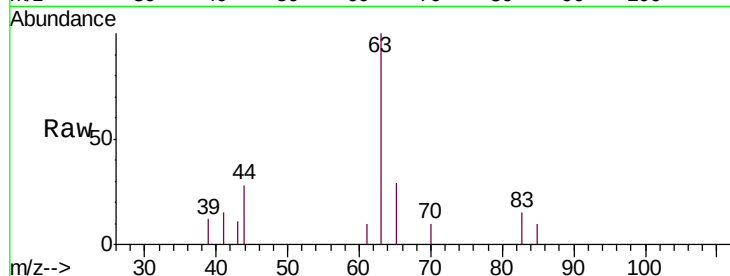
Tgt Ion: 63 Resp: 2446

Ion Ratio Lower Upper

63 100

65 28.6 21.8 40.6

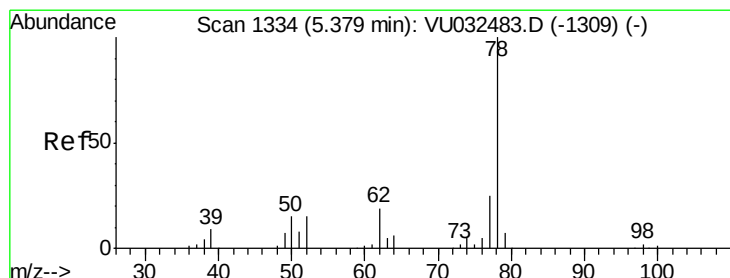
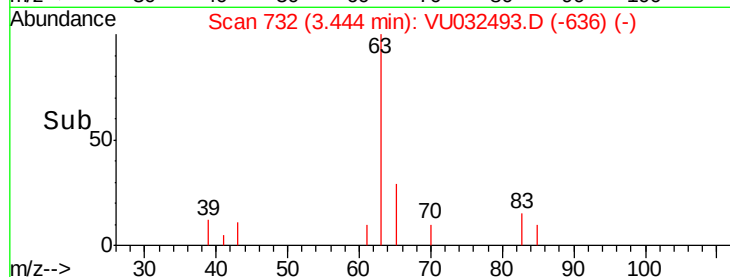
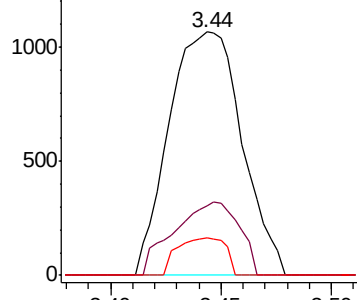
83 15.3 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VU032483.D (-713) (-)

Ion 65.00 (64.70 to 65.70): VU032483.D (-713) (-)

Ion 83.00 (82.70 to 83.70): VU032483.D (-713) (-)



#33

Benzene

Concen: 5.922 ug/L

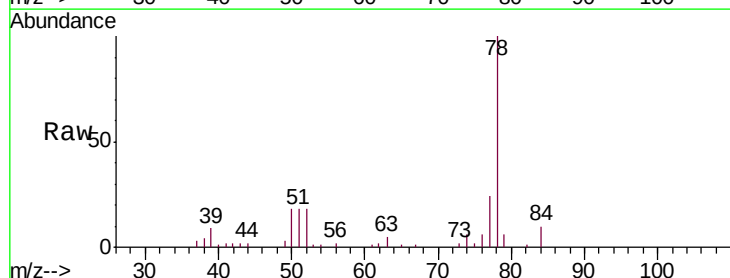
RT: 5.39 min Scan# 1336

Delta R.T. 0.01 min

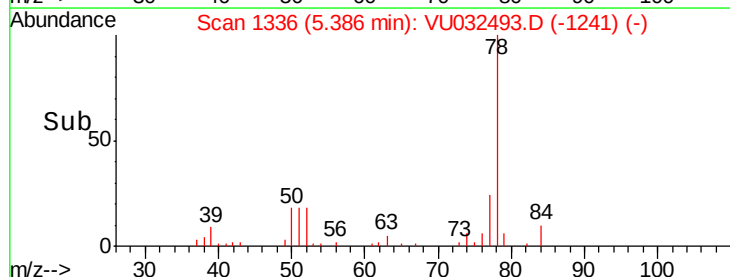
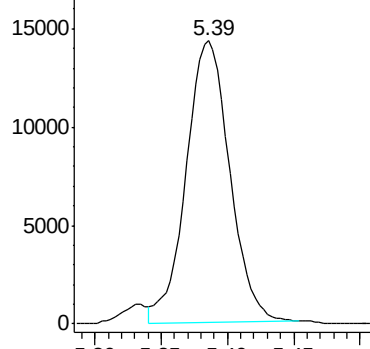
Lab File: VU032493.D

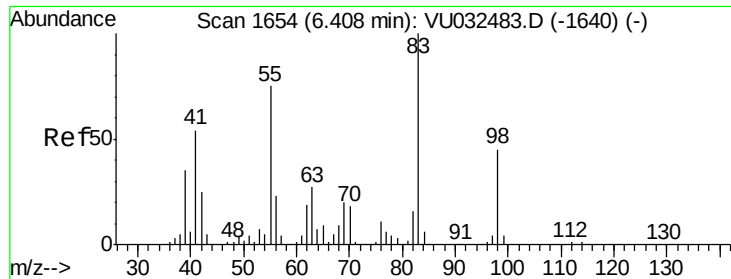
Acq: 06 Jun 2019 13:44

Tgt Ion: 78 Resp: 32729



Abundance Ion 78.00 (77.70 to 78.70): VU032483.D (-1309) (-)

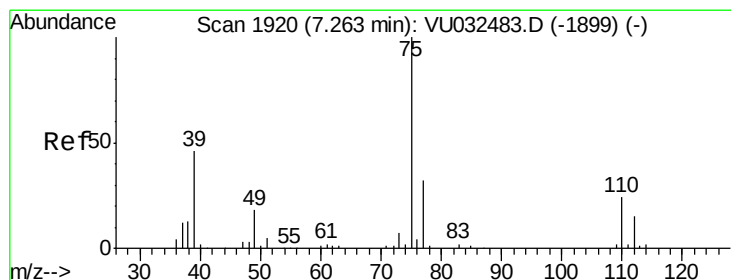
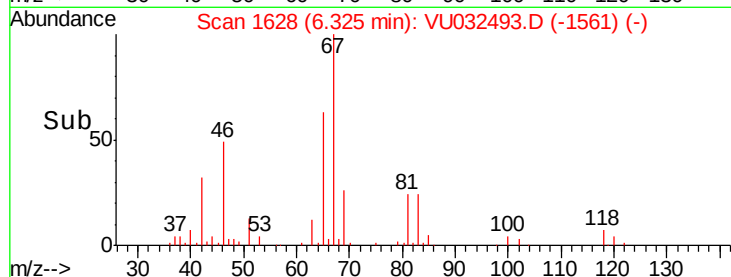
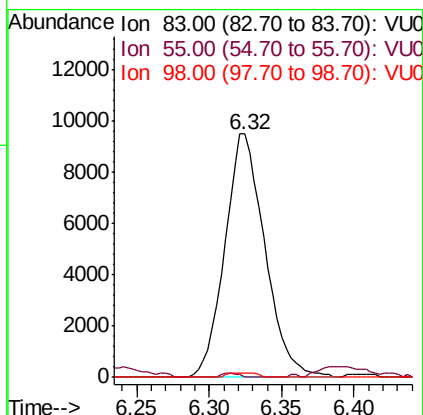
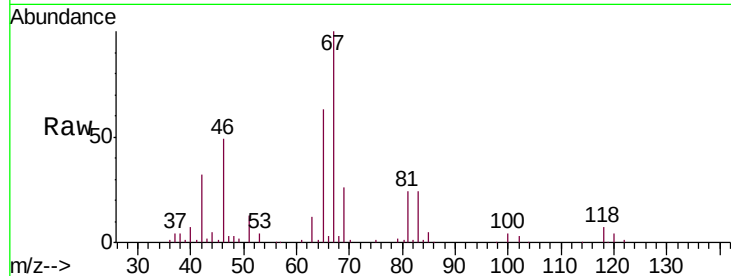




#35
Methylcyclohexane
Concen: 7.460 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032493.D
Acq: 06 Jun 2019 13:44

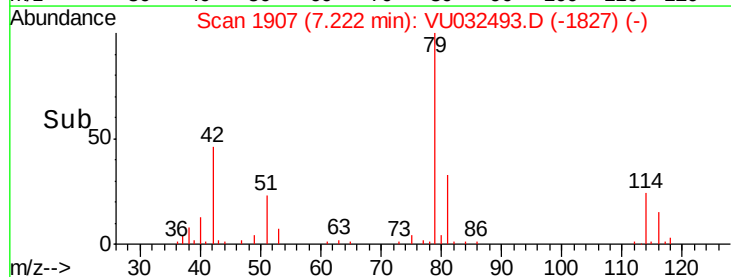
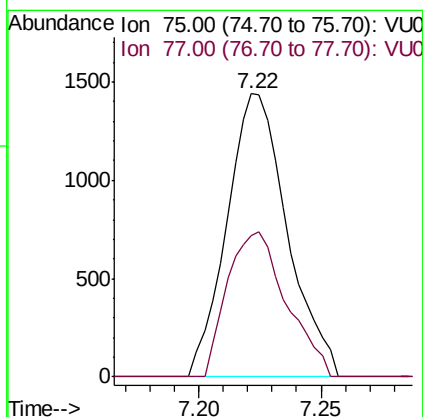
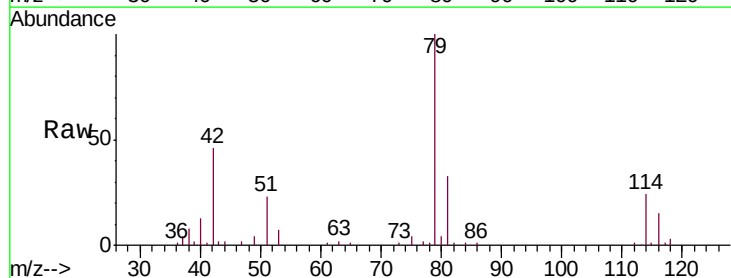
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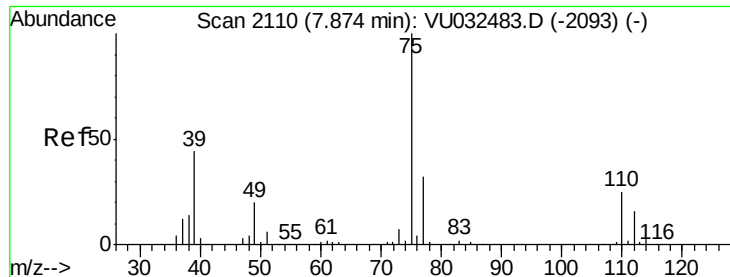
Tgt Ion: 83 Resp: 18158
Ion Ratio Lower Upper
83 100
55 0.7 60.2 90.4#
98 1.3 37.4 56.2#



#39
cis-1,3-Dichloropropene
Concen: 1.069 ug/L
RT: 7.22 min Scan# 1907
Delta R.T. -0.04 min
Lab File: VU032493.D
Acq: 06 Jun 2019 13:44

Tgt Ion: 75 Resp: 2470
Ion Ratio Lower Upper
75 100
77 50.0 22.0 41.0#

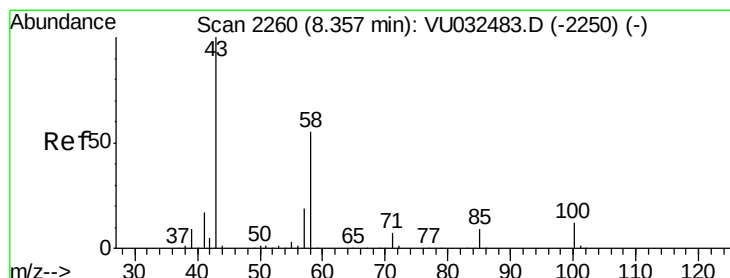
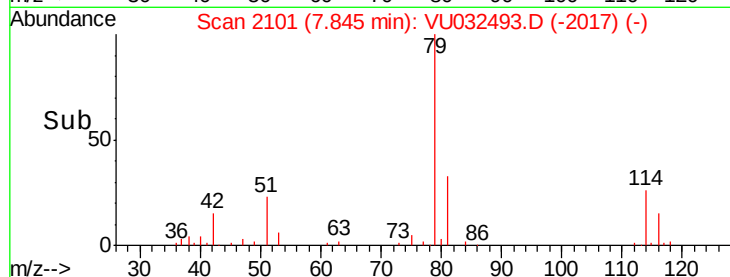
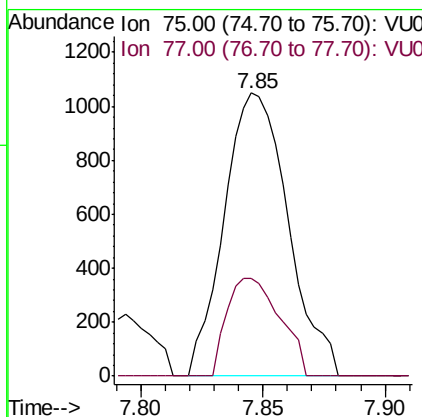
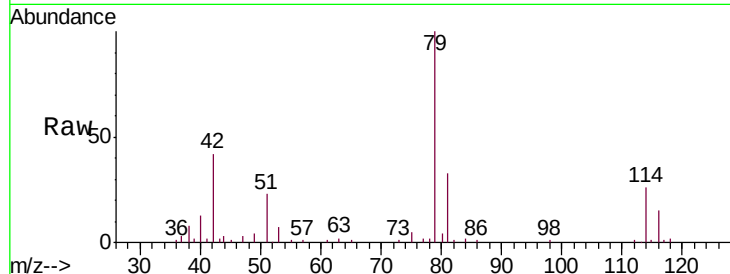




#44
trans-1,3-Dichloropropene
Concen: 0.931 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU032493.D
Acq: 06 Jun 2019 13:44

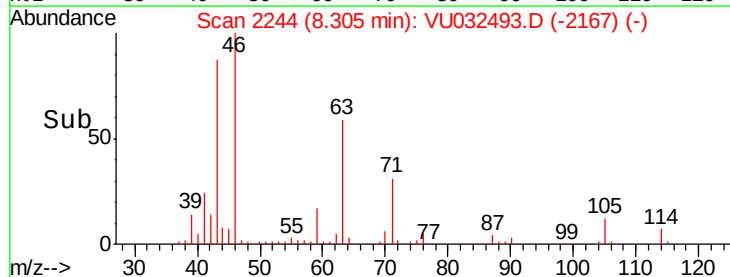
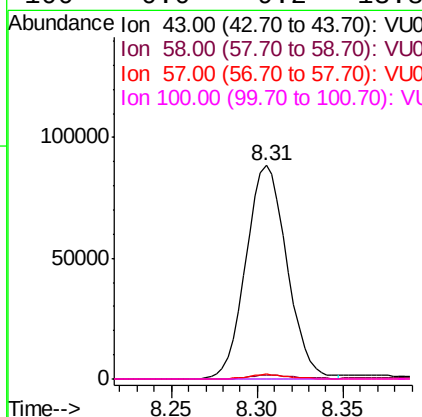
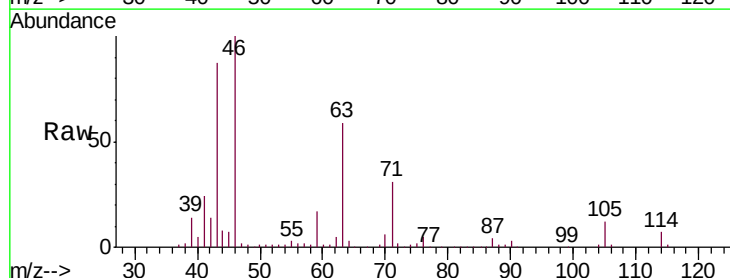
Instrument :
MSVOA_U
ClientSampleId :
DB8K0

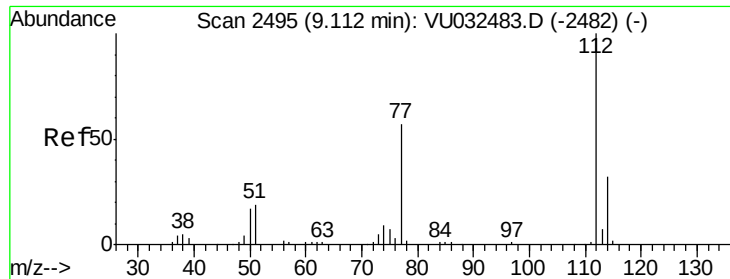
Tgt Ion: 75 Resp: 1910
Ion Ratio Lower Upper
75 100
77 34.8 22.1 41.1



#48
2-Hexanone
Concen: 75.510 ug/L
RT: 8.31 min Scan# 2244
Delta R.T. -0.05 min
Lab File: VU032493.D
Acq: 06 Jun 2019 13:44

Tgt Ion: 43 Resp: 146171
Ion Ratio Lower Upper
43 100
58 2.0 42.0 63.0#
57 2.3 14.6 22.0#
100 0.0 9.2 13.8#

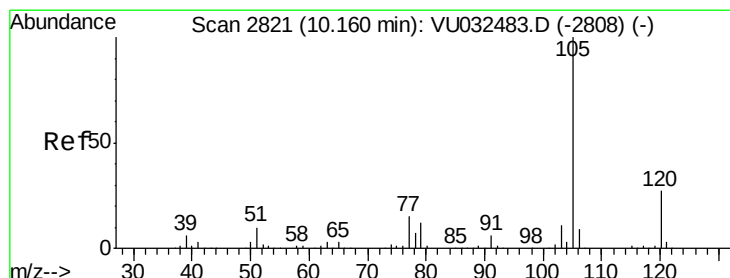
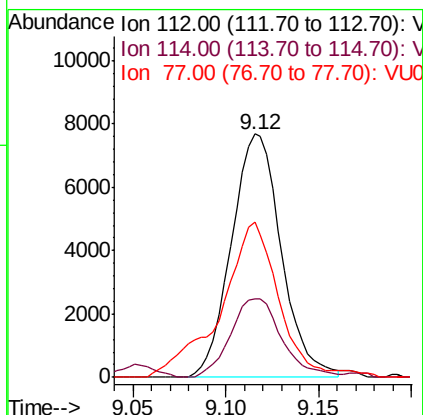
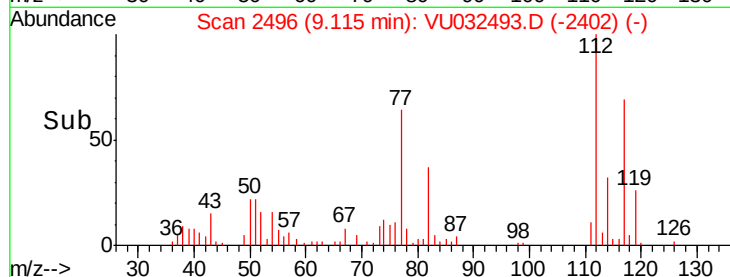
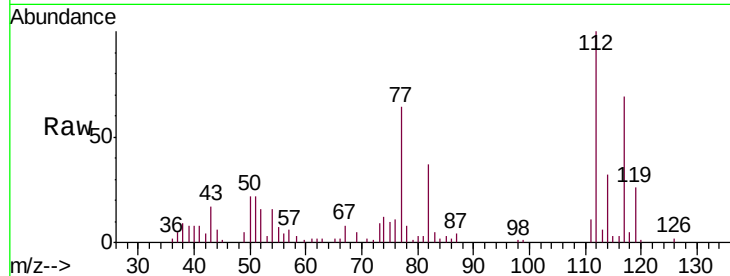




#51
Chlorobenzene
Concen: 3.686 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU032493.D
Acq: 06 Jun 2019 13:44

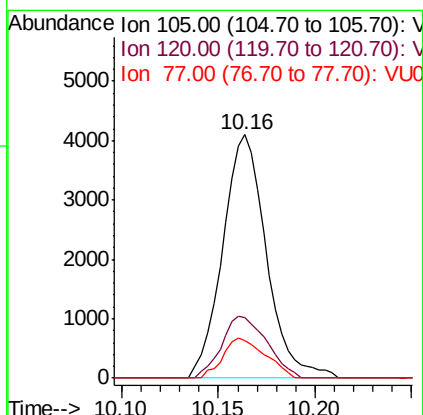
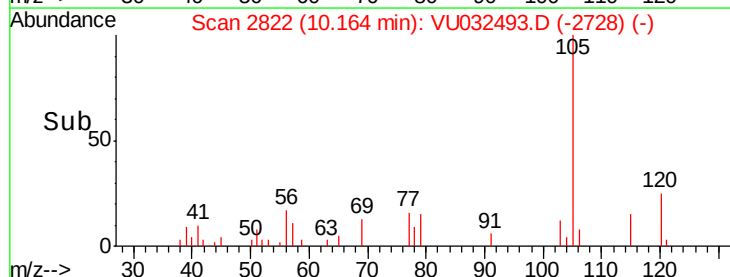
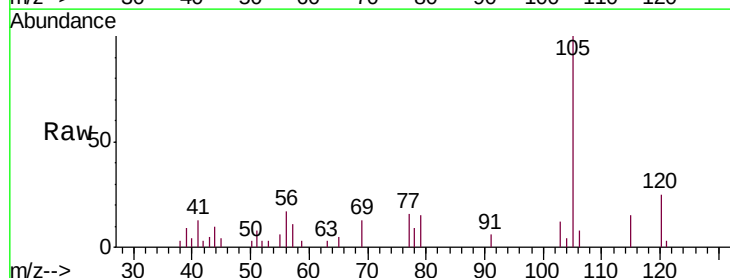
Instrument :
MSVOA_U
ClientSampleId :
DB8K0

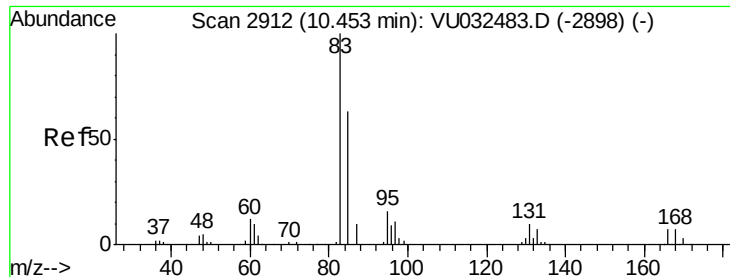
Tgt Ion:112 Resp: 14375
Ion Ratio Lower Upper
112 100
114 32.4 22.6 42.0
77 63.8 46.1 69.1



#56
Isopropylbenzene
Concen: 0.957 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU032493.D
Acq: 06 Jun 2019 13:44

Tgt Ion:105 Resp: 6429
Ion Ratio Lower Upper
105 100
120 26.3 21.6 32.4
77 15.9 12.4 18.6

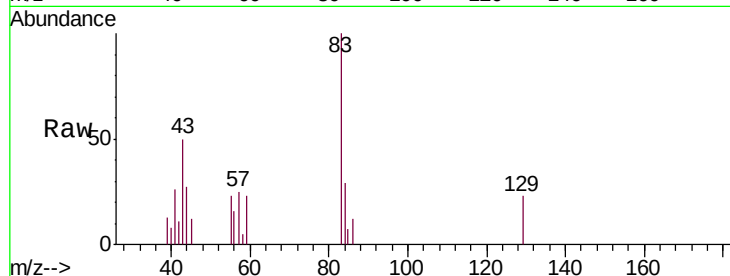




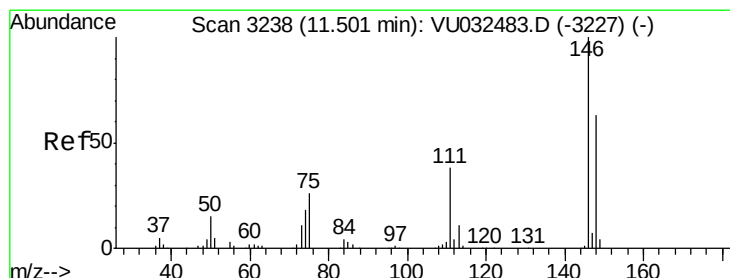
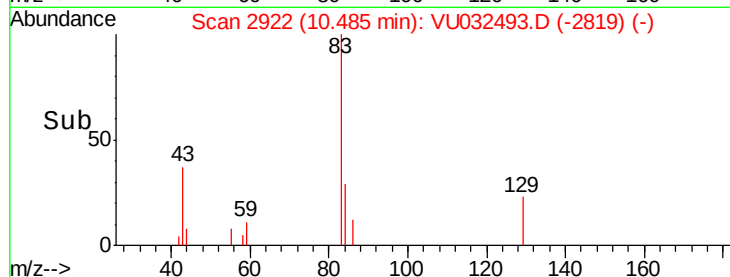
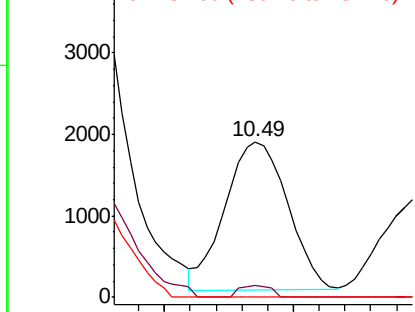
#58
 1,1,2,2-Tetrachloroethane
 Concen: 1.296 ug/L
 RT: 10.49 min Scan# 2922
 Delta R.T. 0.03 min
 Lab File: VU032493.D
 Acq: 06 Jun 2019 13:44

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8K0

Tgt Ion: 83 Resp: 3068
 Ion Ratio Lower Upper
 83 100
 85 7.3 45.1 83.7#
 131 0.0 7.9 11.9#

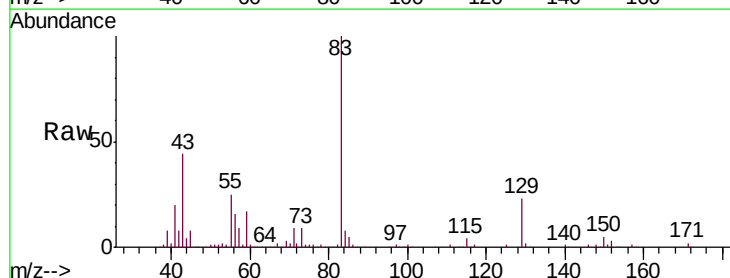


Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0
 Ion 131.00 (130.70 to 131.70): V

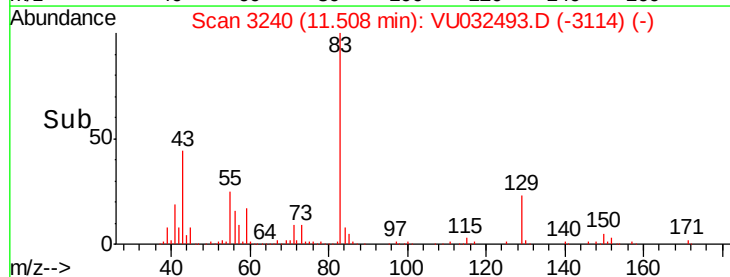
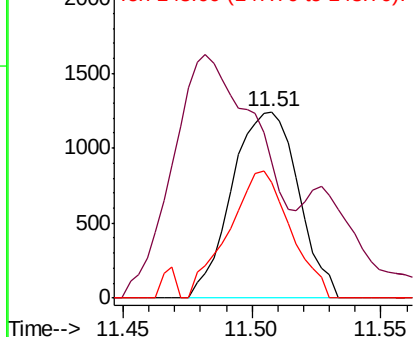


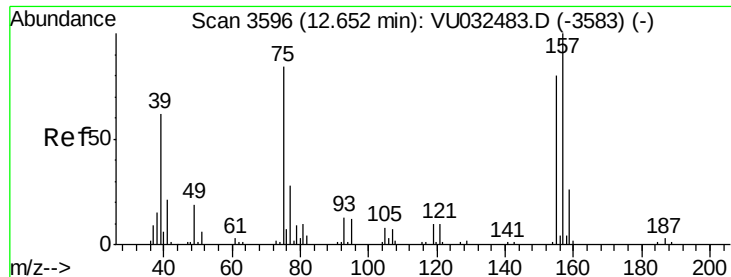
#63
 1,4-Dichlorobenzene
 Concen: 0.696 ug/L
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.01 min
 Lab File: VU032493.D
 Acq: 06 Jun 2019 13:44

Tgt Ion: 146 Resp: 2235
 Ion Ratio Lower Upper
 146 100
 111 72.8 26.6 49.4#
 148 62.2 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

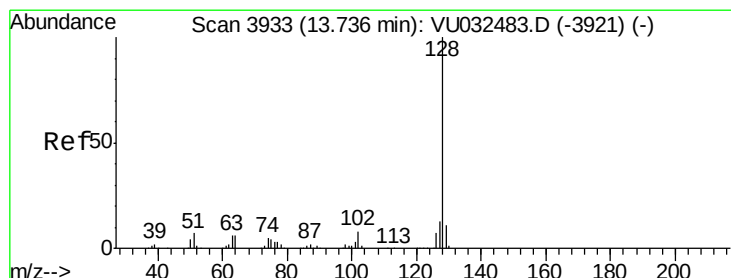
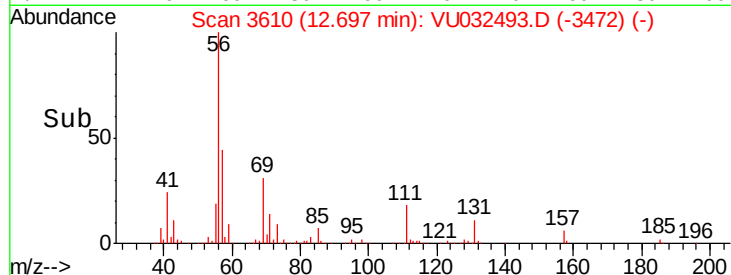
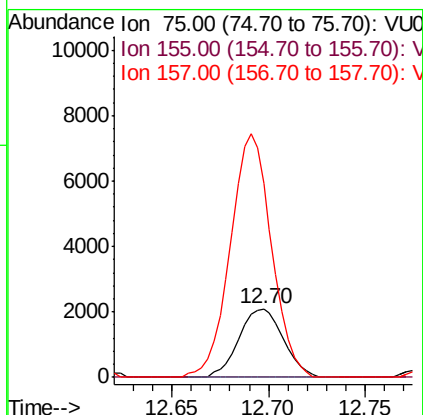
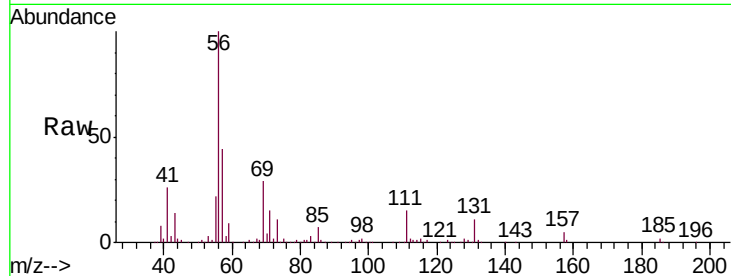




#66
 1,2-Dibromo-3-chloropropane
 Concen: 6.224 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.04 min
 Lab File: VU032493.D
 Acq: 06 Jun 2019 13:44

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8K0

Tgt Ion: 75 Resp: 3327
 Ion Ratio Lower Upper
 75 100
 155 0.0 73.1 109.7#
 157 282.8 91.4 137.2#



#69
 Naphthalene
 Concen: 2.025 ug/L
 RT: 13.74 min Scan# 3935
 Delta R.T. 0.01 min
 Lab File: VU032493.D
 Acq: 06 Jun 2019 13:44

Tgt Ion: 128 Resp: 13229
 Ion Ratio Lower Upper
 128 100
 127 16.7 10.4 15.6#
 129 13.9 8.5 12.7#

