

Data File : VU032793.D
Acq On : 17 Jun 2019 19:21
Operator : JC/SP
Sample : K3324-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JR4

Quant Time: Jun 18 02:44:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 18 02:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	228435	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	220868	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	110393	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	61938	39.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.34%
7) Chloroethane-d5	1.68	69	54708	43.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.88%
11) 1,1-Dichloroethene-d2	2.27	63	98605	31.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.70%
21) 2-Butanone-d5	4.17	46	140225	107.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.92%
24) Chloroform-d	4.64	84	136774	45.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.14%
26) 1,2-Dichloroethane-d4	5.30	65	94048	46.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.04%
32) Benzene-d6	5.33	84	262213	45.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.08%
36) 1,2-Dichloropropane-d6	6.32	67	88120	48.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.08%
41) Toluene-d8	7.56	98	237540	44.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.12%
43) trans-1,3-Dichloropropene-	7.84	79	43273	45.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.72%
47) 2-Hexanone-d5	8.31	63	103161	120.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.46%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	133732	47.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.34%
64) 1,2-Dichlorobenzene-d4	11.85	152	102562	48.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.02%

Target Compounds

					Qvalue
8) Chloroethane	1.40	64	1021	0.855 ug/L #	1
12) 1,1-Dichloroethene	2.27	96	793	0.551 ug/L #	1
13) Acetone	2.32	43	5572	3.105 ug/L	97
15) Methyl Acetate	2.62	43	1837	0.903 ug/L #	70
16) Methylene chloride	2.69	84	2474	1.466 ug/L	80
27) 1,2-Dichloroethane	5.34	62	1874	0.744 ug/L #	77
34) Trichloroethene	6.18	95	1169	0.688 ug/L	93
35) Methylcyclohexane	6.32	83	20119	7.656 ug/L #	19
37) 1,2-Dichloropropane	6.32	63	10288	5.895 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2997	1.102 ug/L #	73
40) 4-Methyl-2-pentanone	7.41	43	55327	19.856 ug/L #	53
42) Toluene	7.64	91	2738	0.398 ug/L	100
44) trans-1,3-Dichloropropene	7.84	75	1946	0.762 ug/L #	70
48) 2-Hexanone	8.41	43	84147	34.227 ug/L #	1
59) 1,2,3-Trichloropropane	11.48	75	13248	5.688 ug/L #	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\
Quantitation Report (Not Reviewed)

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QLast Update : Tue Jun 18 02:39:23 2019
Response via : Initial Calibration

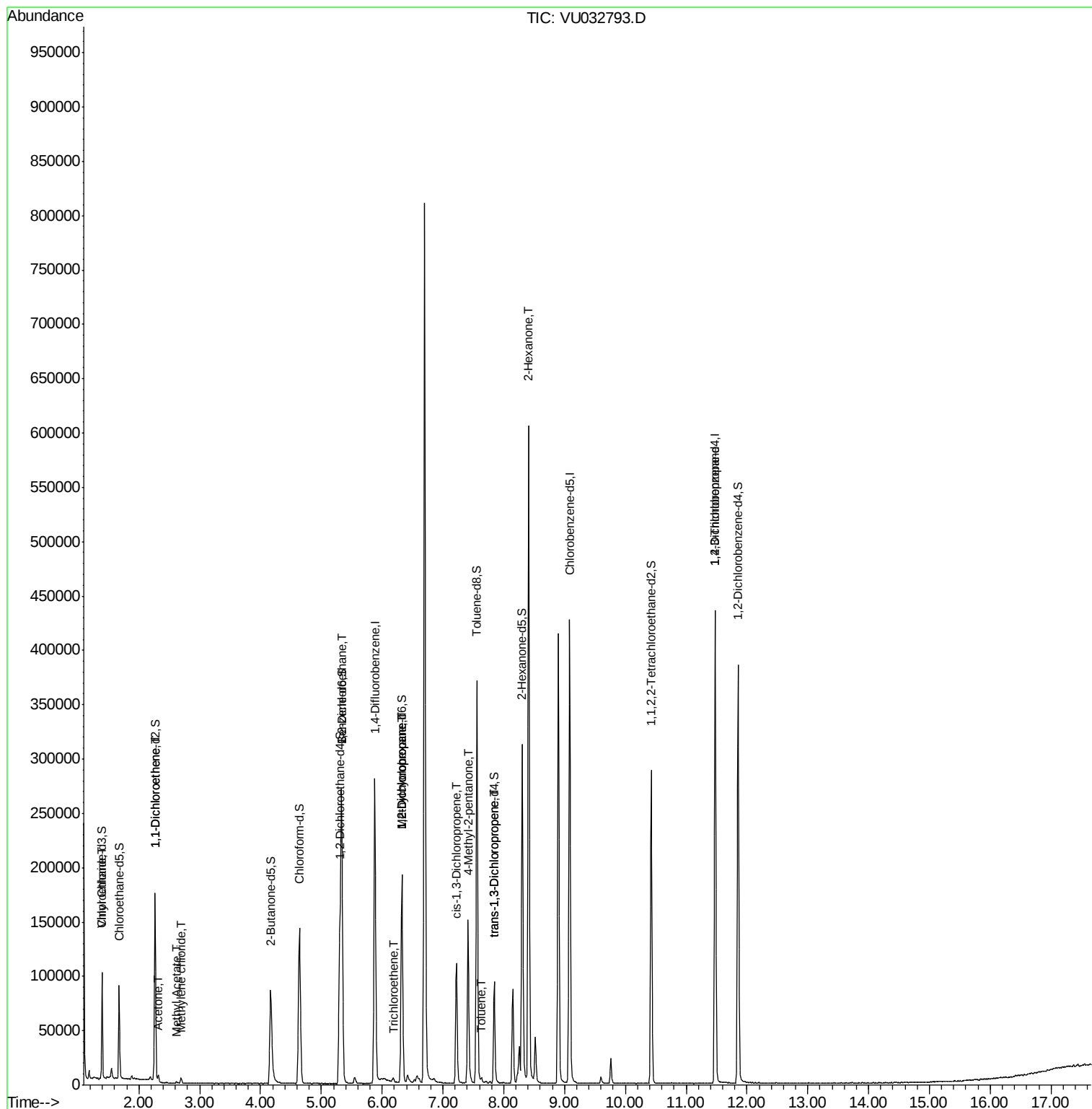
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

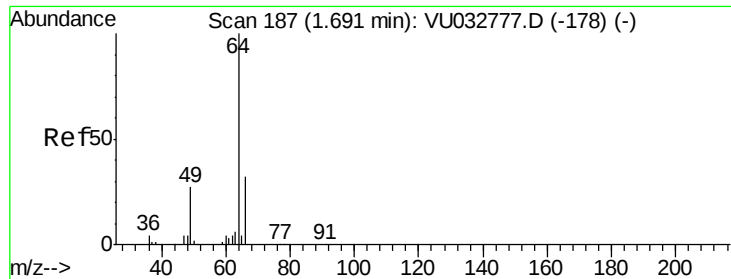
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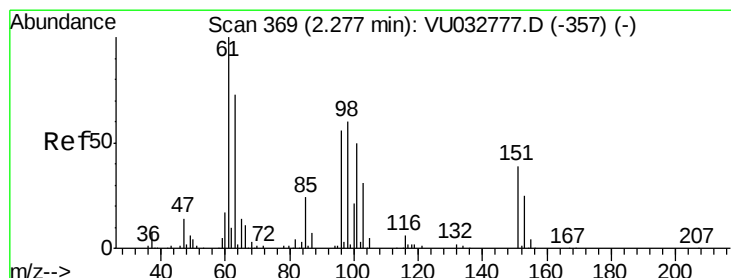
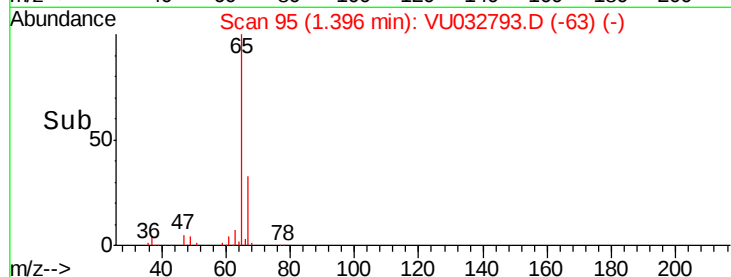
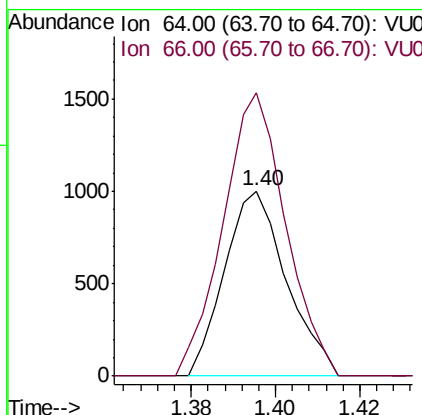
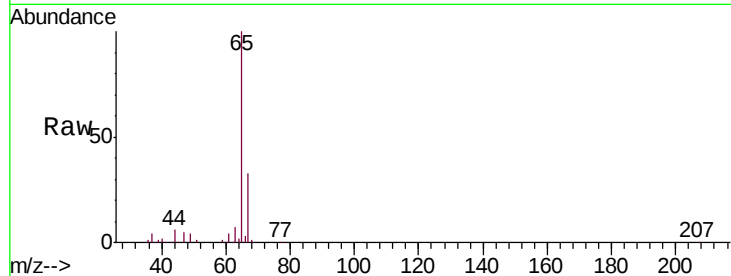




#8
Chloroethane
Concen: 0.855 ug/L
RT: 1.40 min Scan# 95
Delta R.T. -0.30 min
Lab File: VU032793.D
Acq: 17 Jun 2019 19:21

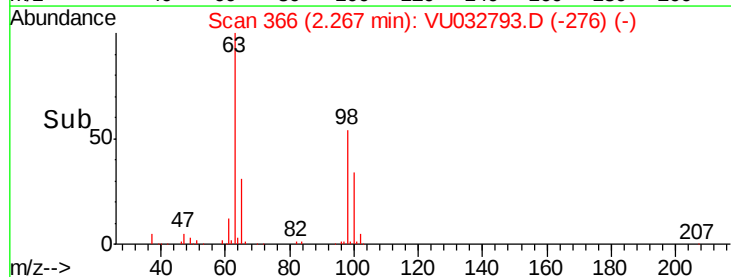
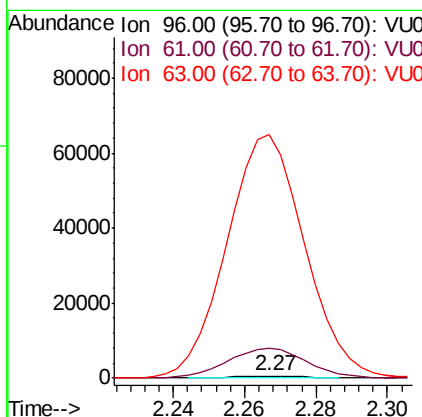
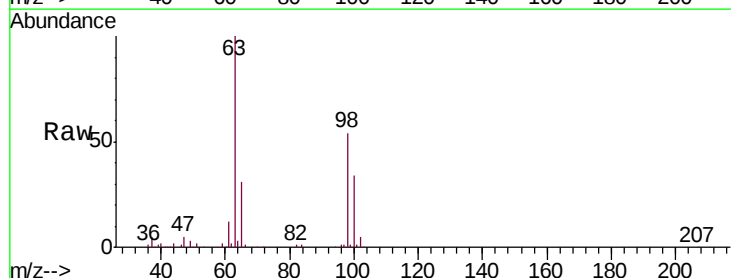
Instrument :
MSVOA_U
ClientSampleId :
C0JR4

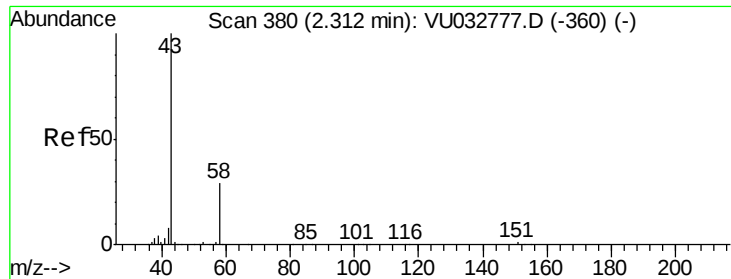
Tgt Ion: 64 Resp: 1021
Ion Ratio Lower Upper
64 100
66 152.9 22.5 41.7#



#12
1,1-Dichloroethene
Concen: 0.551 ug/L
RT: 2.27 min Scan# 366
Delta R.T. -0.01 min
Lab File: VU032793.D
Acq: 17 Jun 2019 19:21

Tgt Ion: 96 Resp: 793
Ion Ratio Lower Upper
96 100
61 1439.2 131.0 243.4#
63 11677.7 101.0 187.6#

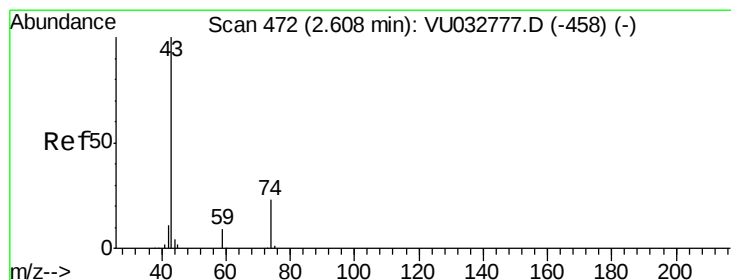
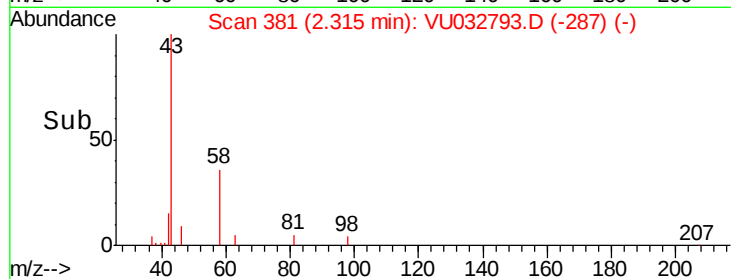
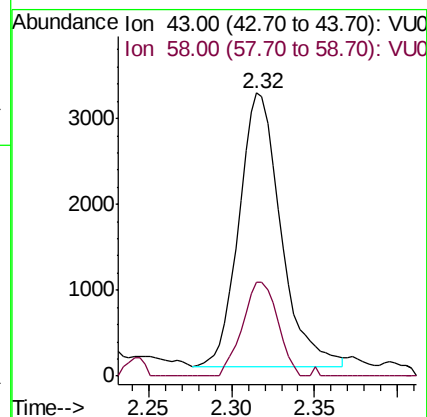
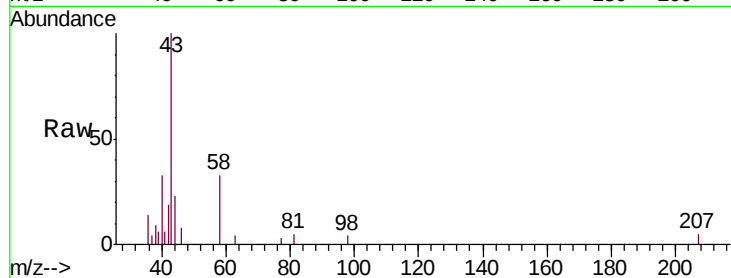




#13
Acetone
Concen: 3.105 ug/L
RT: 2.32 min Scan# 381
Delta R.T. 0.00 min
Lab File: VU032793.D
Acq: 17 Jun 2019 19:21

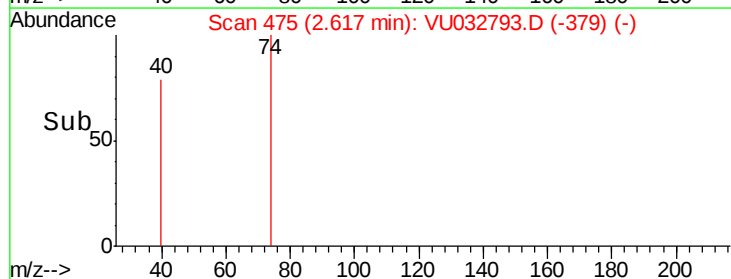
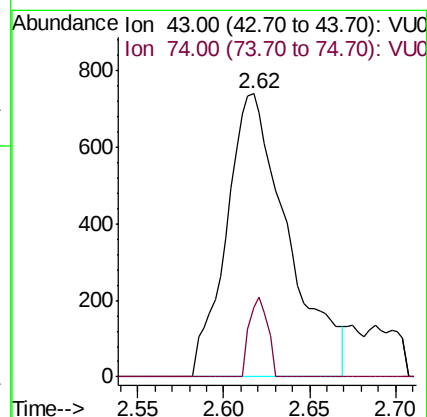
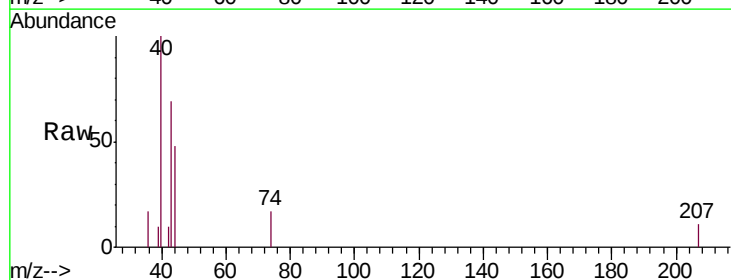
Instrument :
MSVOA_U
ClientSampleId :
C0JR4

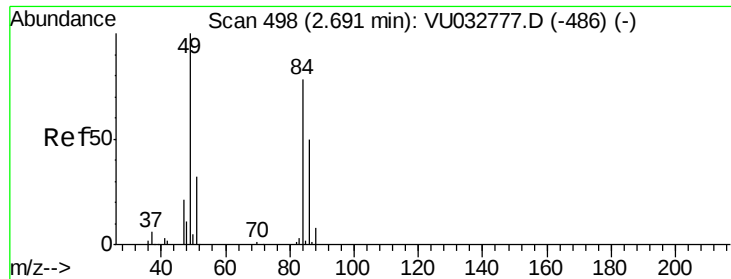
Tgt Ion: 43 Resp: 5572
Ion Ratio Lower Upper
43 100
58 28.9 0.0 60.6



#15
Methyl Acetate
Concen: 0.903 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.01 min
Lab File: VU032793.D
Acq: 17 Jun 2019 19:21

Tgt Ion: 43 Resp: 1837
Ion Ratio Lower Upper
43 100
74 8.3 18.1 27.1#

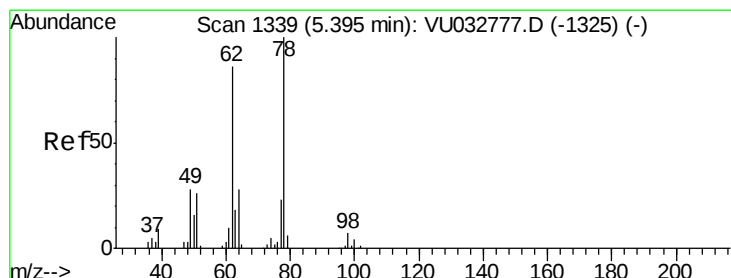
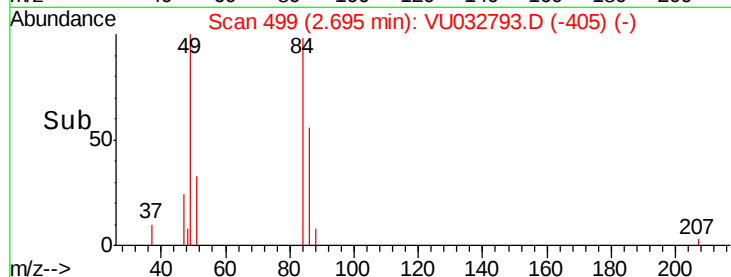
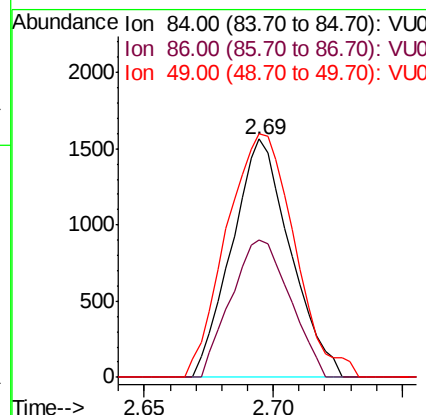
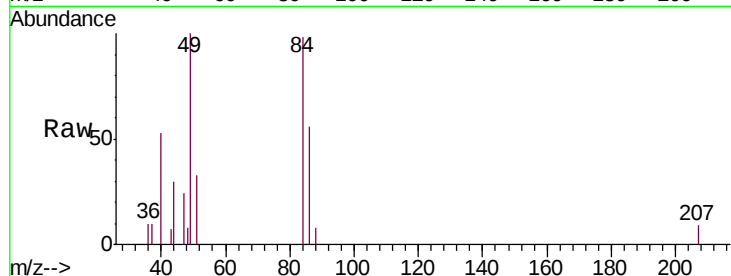




#16
Methylene chloride
Concen: 1.466 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032793.D
Acq: 17 Jun 2019 19:21

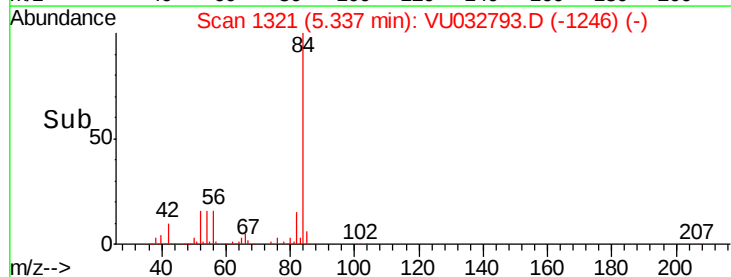
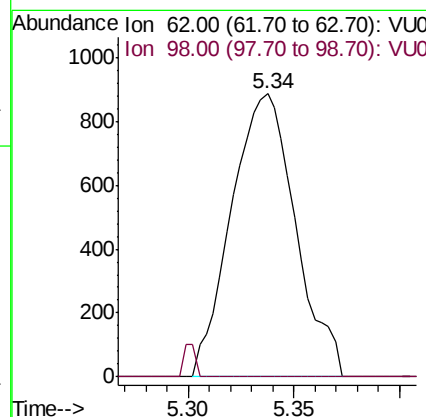
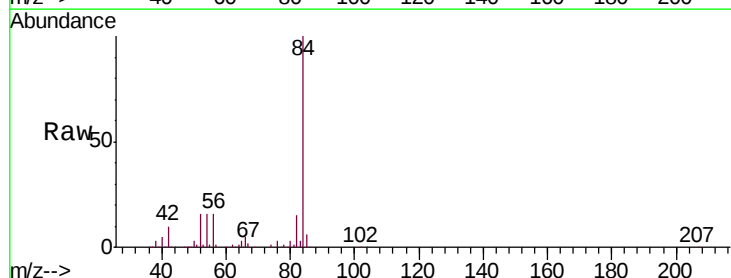
Instrument :
MSVOA_U
ClientSampleId :
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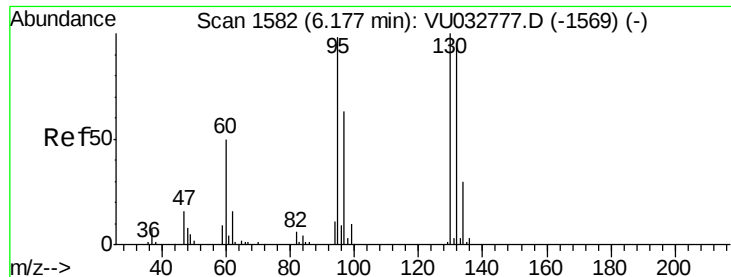
Tgt Ion: 84 Resp: 2474
Ion Ratio Lower Upper
84 100
86 57.4 45.5 84.5
49 102.2 92.1 171.1



#27
1,2-Dichloroethane
Concen: 0.744 ug/L
RT: 5.34 min Scan# 1321
Delta R.T. -0.06 min
Lab File: VU032793.D
Acq: 17 Jun 2019 19:21

Tgt Ion: 62 Resp: 1874
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#

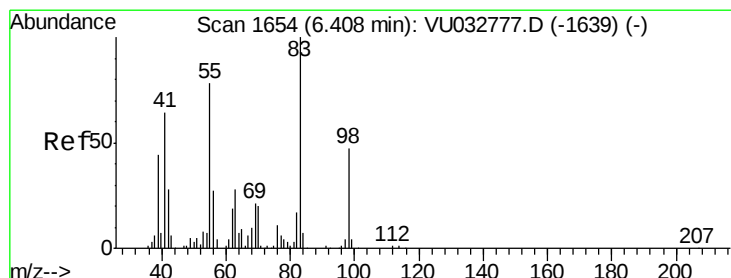
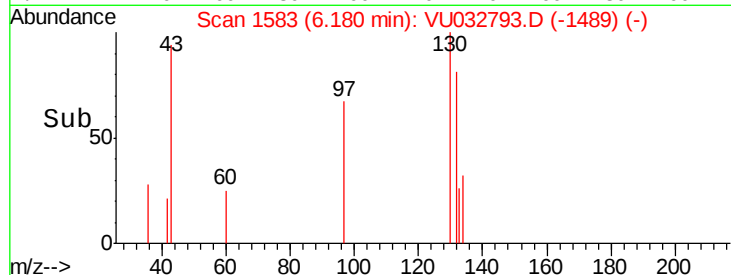
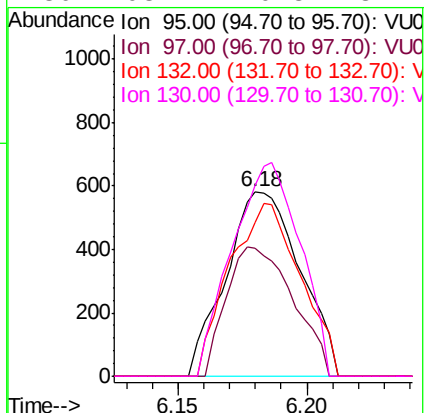
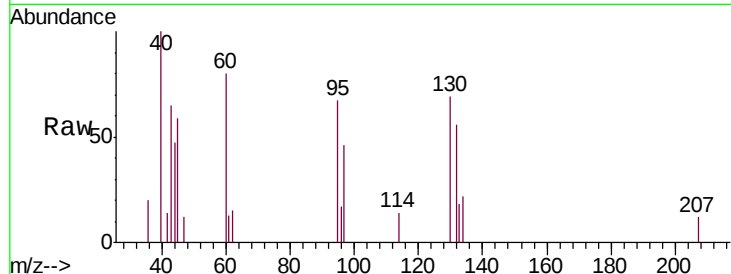




#34
 Trichloroethene
 Concen: 0.688 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU032793.D
 Acq: 17 Jun 2019 19:21

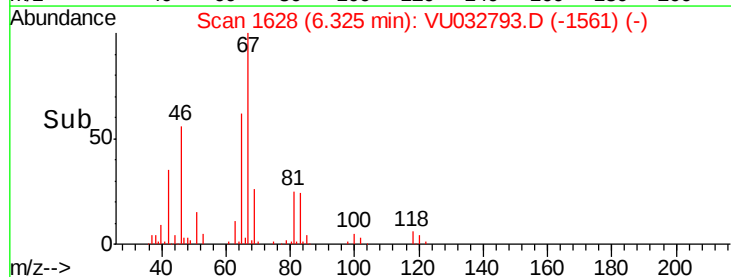
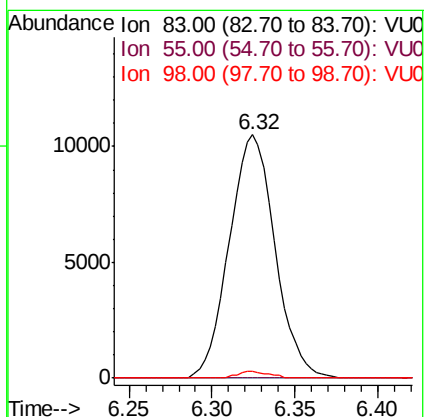
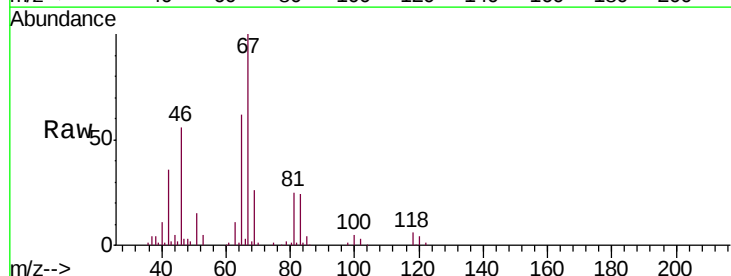
Instrument :
 MSVOA_U
 ClientSampled :
 C0JR4

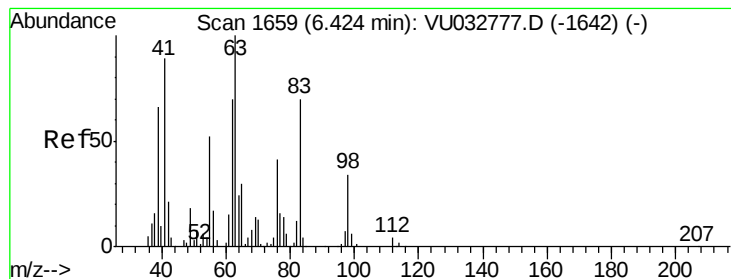
Tgt Ion: 95 Resp: 1169
 Ion Ratio Lower Upper
 95 100
 97 69.4 45.9 85.3
 132 110.1 68.5 127.3
 130 103.4 70.8 131.4



#35
 Methylcyclohexane
 Concen: 7.656 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.08 min
 Lab File: VU032793.D
 Acq: 17 Jun 2019 19:21

Tgt Ion: 83 Resp: 20119
 Ion Ratio Lower Upper
 83 100
 55 1.0 62.6 94.0#
 98 1.9 37.4 56.0#





#37

1,2-Dichloropropane

Concen: 5.895 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032793.D

Acq: 17 Jun 2019 19:21

Instrument :

MSVOA_U

ClientSampleId :

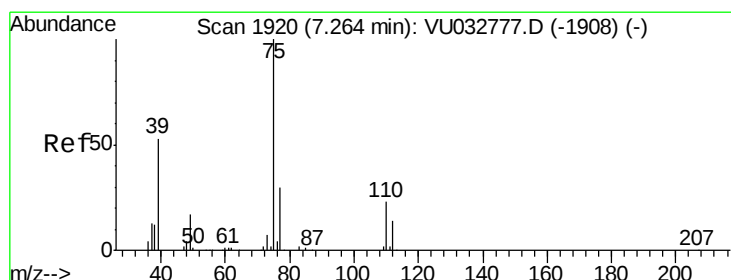
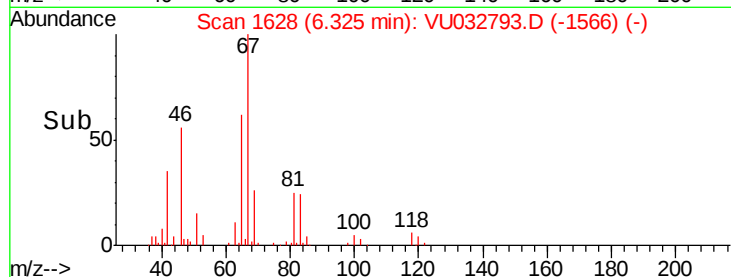
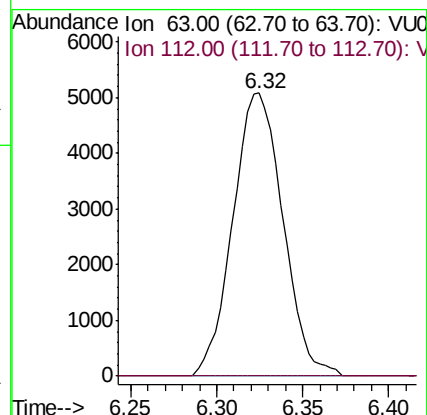
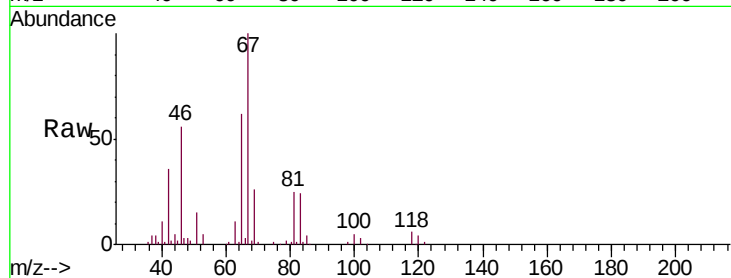
C0JR4

Tgt Ion: 63 Resp: 10288

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



#39

cis-1,3-Dichloropropene

Concen: 1.102 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU032793.D

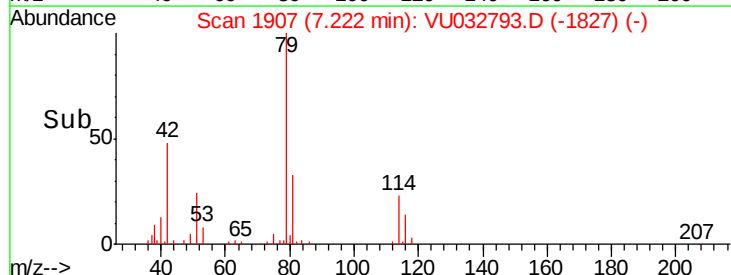
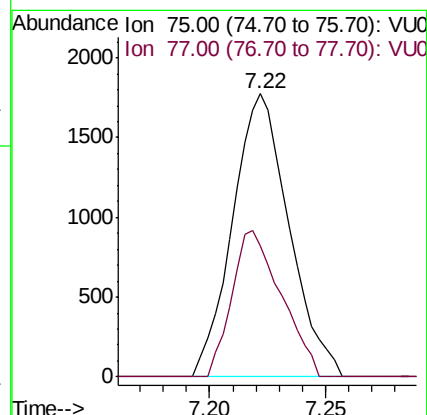
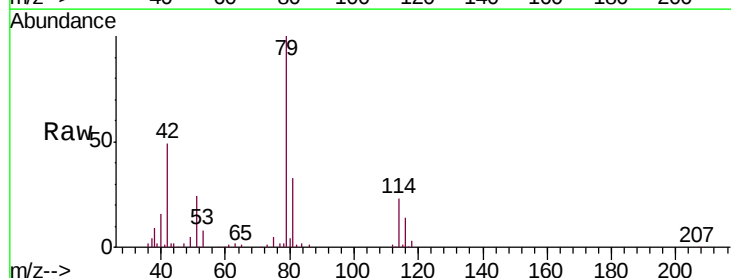
Acq: 17 Jun 2019 19:21

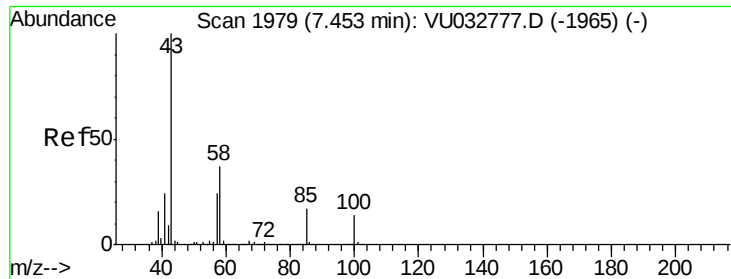
Tgt Ion: 75 Resp: 2997

Ion Ratio Lower Upper

75 100

77 46.2 21.9 40.7#

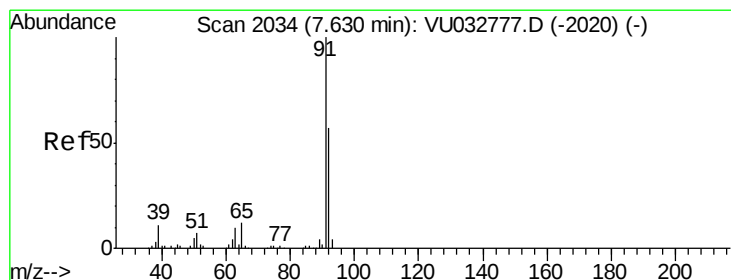
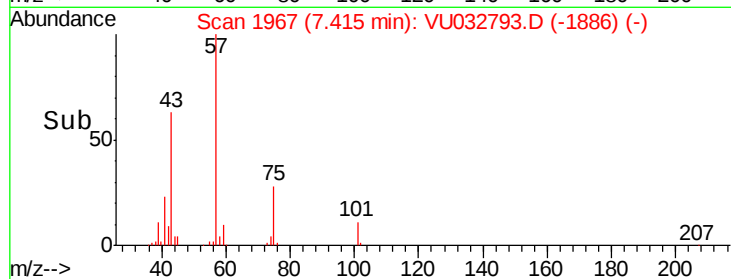
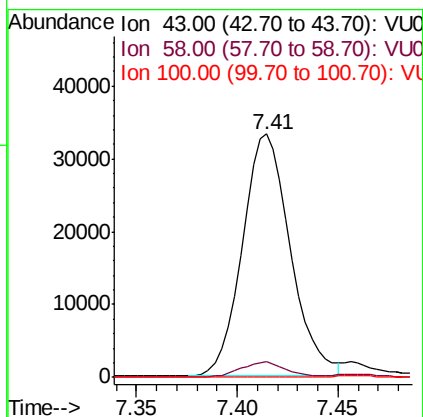
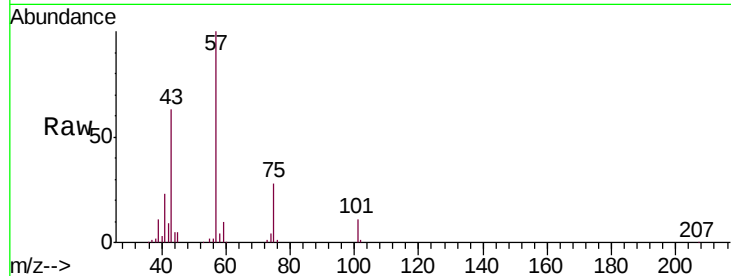




#40
 4-Methyl-2-pentanone
 Concen: 19.856 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. -0.04 min
 Lab File: VU032793.D
 Acq: 17 Jun 2019 19:21

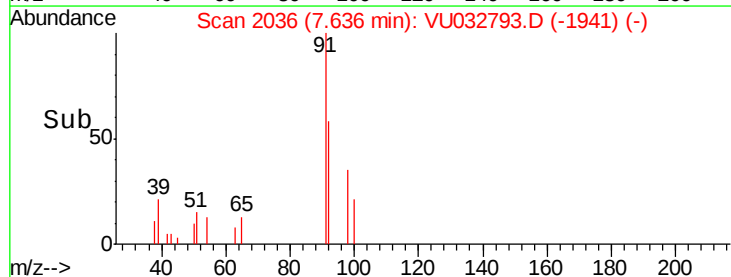
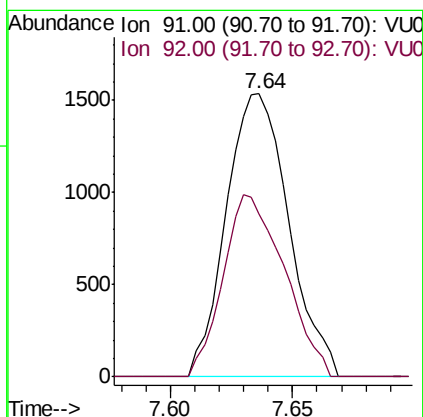
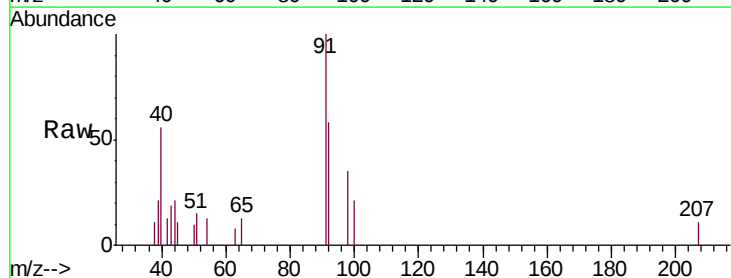
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JR4

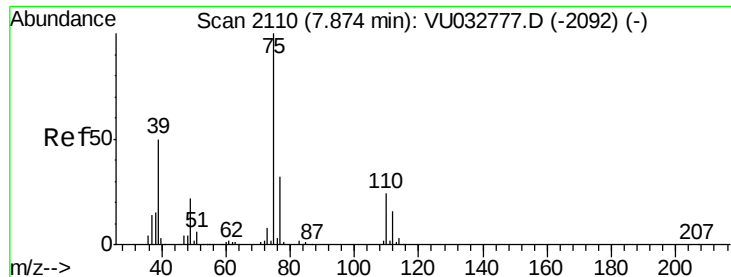
Tgt Ion: 43 Resp: 55327
 Ion Ratio Lower Upper
 43 100
 58 6.1 29.4 44.2#
 100 0.0 11.2 16.8#



#42
 Toluene
 Concen: 0.398 ug/L
 RT: 7.64 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VU032793.D
 Acq: 17 Jun 2019 19:21

Tgt Ion: 91 Resp: 2738
 Ion Ratio Lower Upper
 91 100
 92 57.7 40.4 75.0





#44

trans-1,3-Dichloropropene

Concen: 0.762 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU032793.D

Acq: 17 Jun 2019 19:21

Instrument :

MSVOA_U

ClientSampleId :

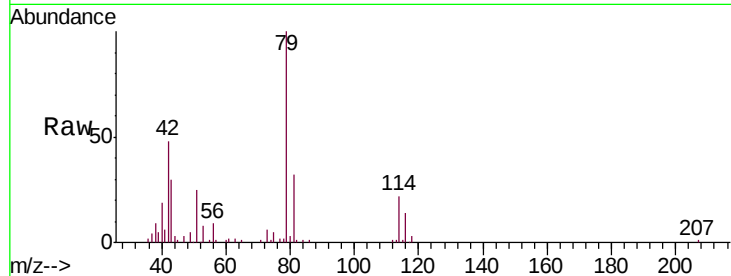
C0JR4

Tgt Ion: 75 Resp: 1946

Ion Ratio Lower Upper

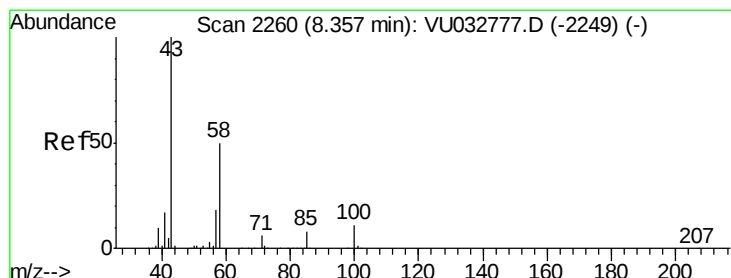
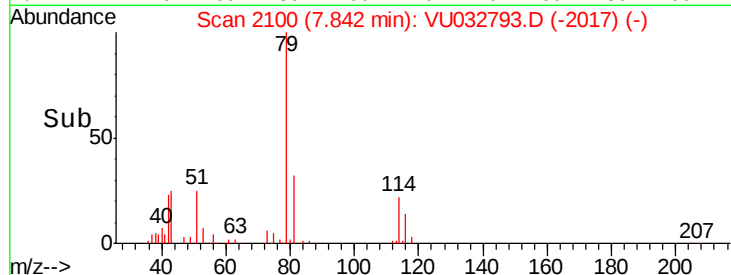
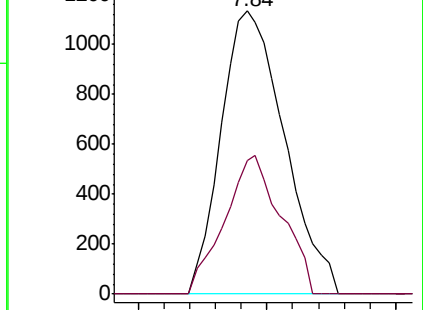
75 100

77 47.4 21.8 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VU032777.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU032777.D (-2092) (-)



#48

2-Hexanone

Concen: 34.227 ug/L

RT: 8.41 min Scan# 2276

Delta R.T. 0.05 min

Lab File: VU032793.D

Acq: 17 Jun 2019 19:21

Tgt Ion: 43 Resp: 84147

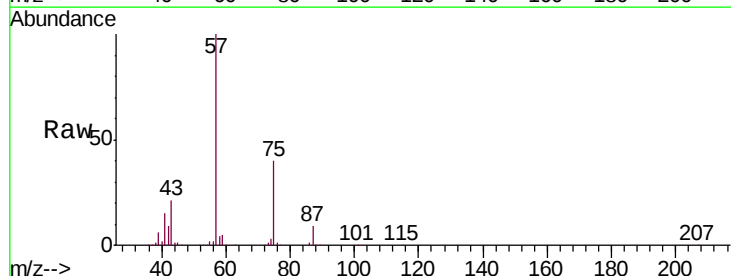
Ion Ratio Lower Upper

43 100

58 19.4 40.2 60.2#

57 495.9 14.2 21.4#

100 0.0 8.4 12.6#

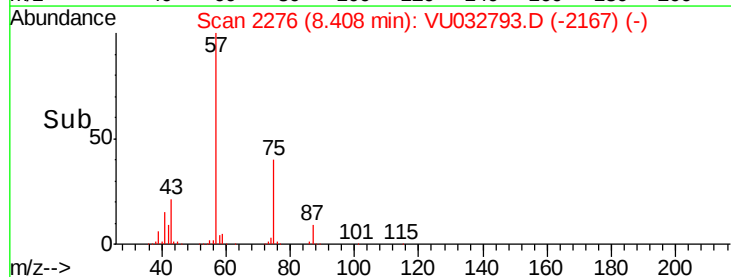
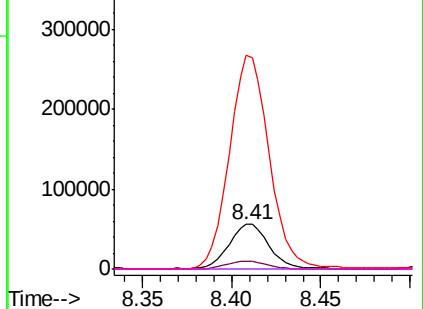


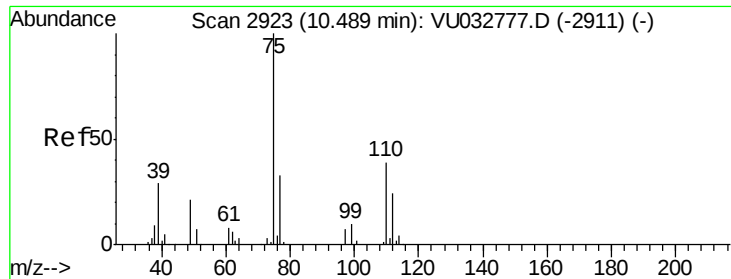
Abundance Ion 43.00 (42.70 to 43.70): VU032777.D (-2249) (-)

Ion 58.00 (57.70 to 58.70): VU032777.D (-2249) (-)

Ion 57.00 (56.70 to 57.70): VU032777.D (-2249) (-)

Ion 100.00 (99.70 to 100.70): VU032777.D (-2249) (-)





#59

1,2,3-Trichloropropane

Concen: 5.688 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU032793.D

Acq: 17 Jun 2019 19:21

Instrument :

MSVOA_U

ClientSampleId :

C0JR4

Tgt Ion: 75 Resp: 13248

Ion Ratio Lower Upper

75 100

77 39.8 25.5 38.3#

