

Data File : VU032835.D
Acq On : 18 Jun 2019 19:48
Operator : JC/SP
Sample : K3224-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JR6

Quant Time: Jun 19 04:39:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 19 04:35:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	231438	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	226093	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	112656	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	66062	41.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.54%
7) Chloroethane-d5	1.68	69	57478	45.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.14%
11) 1,1-Dichloroethene-d2	2.27	63	107121	33.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.24%
21) 2-Butanone-d5	4.17	46	140376	106.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.63%
24) Chloroform-d	4.64	84	142288	46.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.54%
26) 1,2-Dichloroethane-d4	5.30	65	99870	48.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.52%
32) Benzene-d6	5.33	84	280371	47.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.14%
36) 1,2-Dichloropropane-d6	6.32	67	91922	48.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.92%
41) Toluene-d8	7.56	98	261650	47.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.82%
43) trans-1,3-Dichloropropene-	7.84	79	44595	45.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.32%
47) 2-Hexanone-d5	8.31	63	98891	112.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.80%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	135368	46.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.28%
64) 1,2-Dichlorobenzene-d4	11.86	152	106320	48.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.54%

Target Compounds

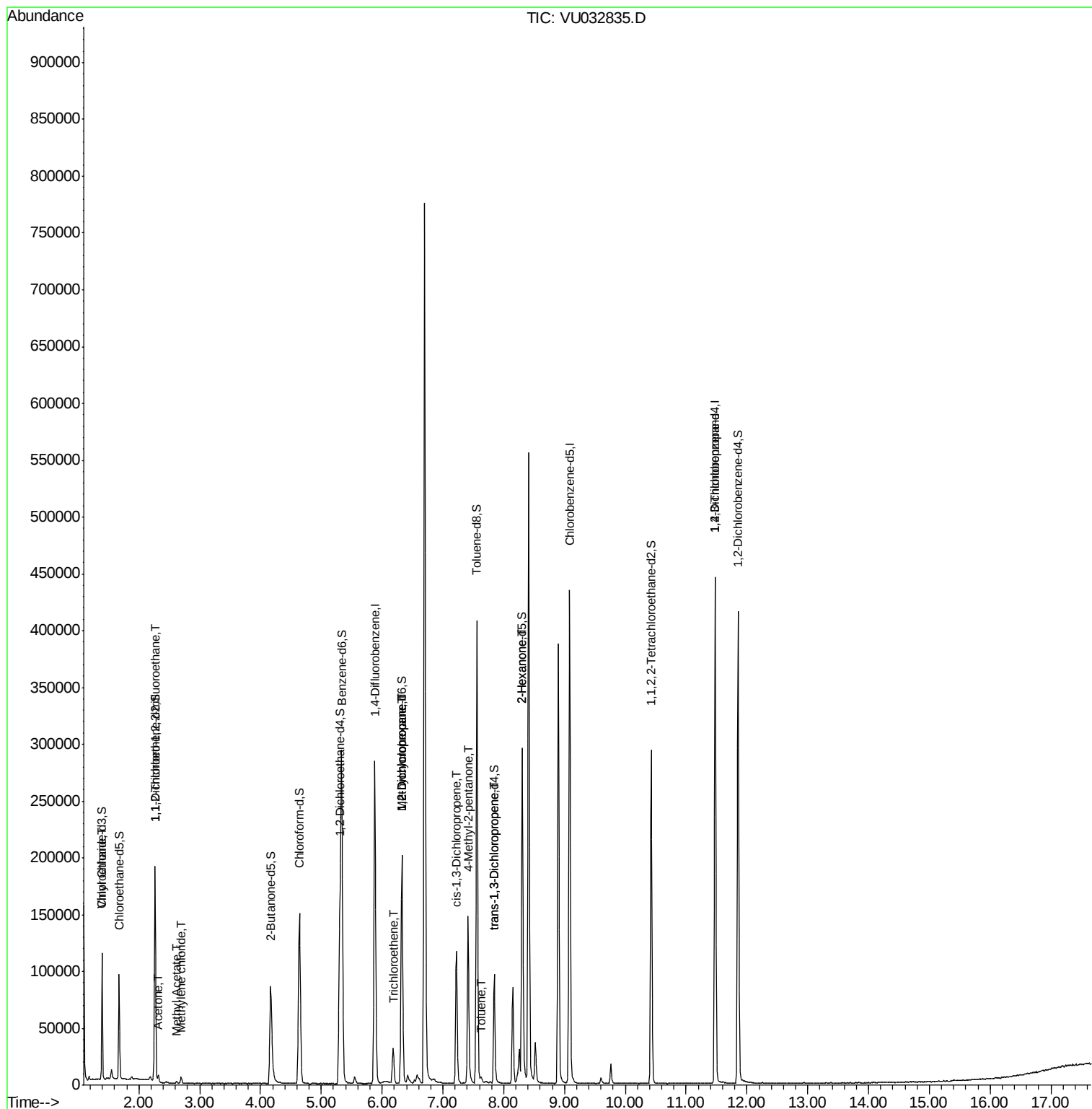
					Qvalue	
8) Chloroethane	1.40	64	1115	0.922	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	867	0.561	ug/L #	17
13) Acetone	2.32	43	5812	3.196	ug/L	96
15) Methyl Acetate	2.62	43	2053	0.996	ug/L #	83
16) Methylene chloride	2.69	84	2185	1.278	ug/L	98
34) Trichloroethene	6.18	95	9896	5.687	ug/L	98
35) Methylcyclohexane	6.32	83	21645	8.047	ug/L #	19
37) 1,2-Dichloropropane	6.32	63	10985	6.149	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	3369	1.210	ug/L #	65
40) 4-Methyl-2-pentanone	7.41	43	57913	20.303	ug/L #	53
42) Toluene	7.63	91	2728	0.387	ug/L	95
44) trans-1,3-Dichloropropene	7.84	75	2217	0.848	ug/L #	69
48) 2-Hexanone	8.31	43	18100	7.192	ug/L #	62
59) 1,2,3-Trichloropropane	11.48	75	14349	6.018	ug/L	90

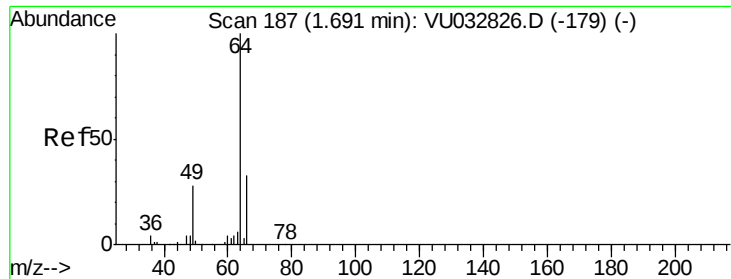
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.922 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU032835.D

Acq: 18 Jun 2019 19:48

Instrument :

MSVOA_U

ClientSampleId :

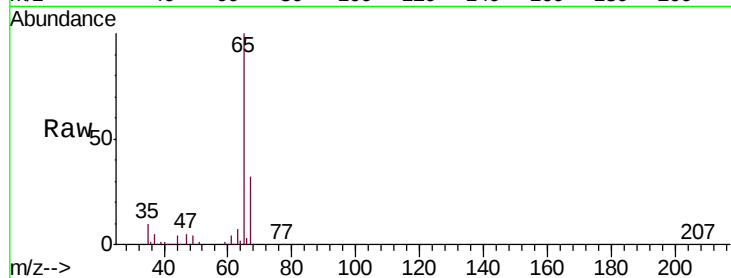
C0JR6

Tgt Ion: 64 Resp: 1115

Ion Ratio Lower Upper

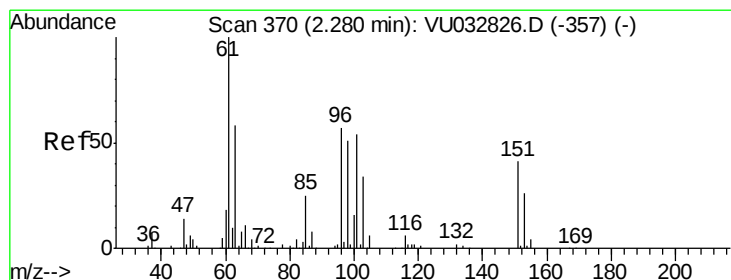
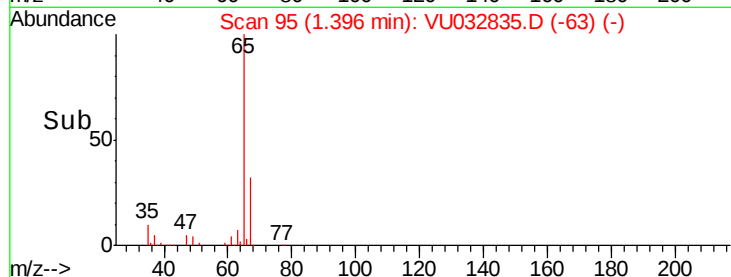
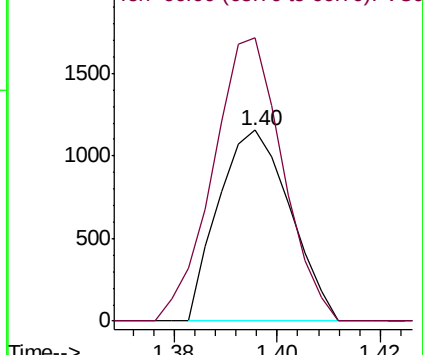
64 100

66 148.2 22.5 41.7#



Abundance Ion 64.00 (63.70 to 64.70): VU032826.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU032826.D (-179) (-)



#10

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

Concen: 0.561 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032835.D

Acq: 18 Jun 2019 19:48

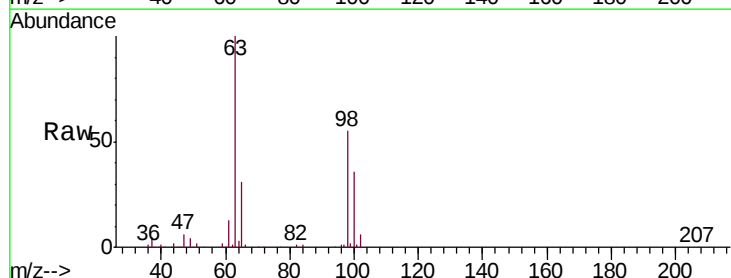
Tgt Ion: 101 Resp: 867

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

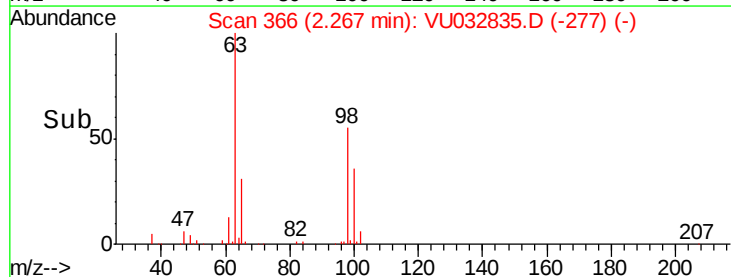
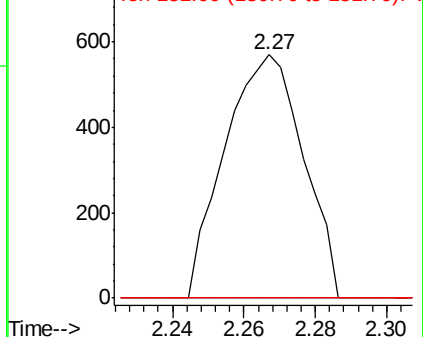
151 0.0 63.6 95.4#

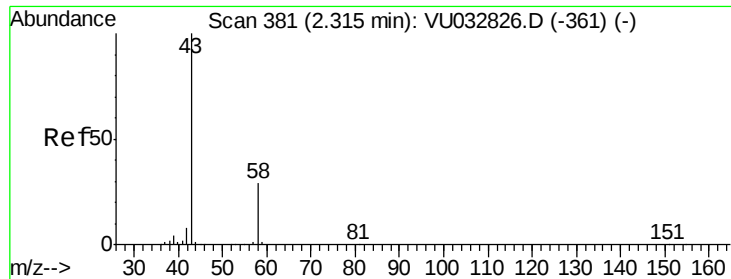


Abundance Ion 101.00 (100.70 to 101.70): VU032826.D (-357) (-)

Ion 85.00 (84.70 to 85.70): VU032826.D (-357) (-)

Ion 151.00 (150.70 to 151.70): VU032826.D (-357) (-)





#13

Acetone

Concen: 3.196 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032835.D

Acq: 18 Jun 2019 19:48

Instrument :

MSVOA_U

ClientSampleId :

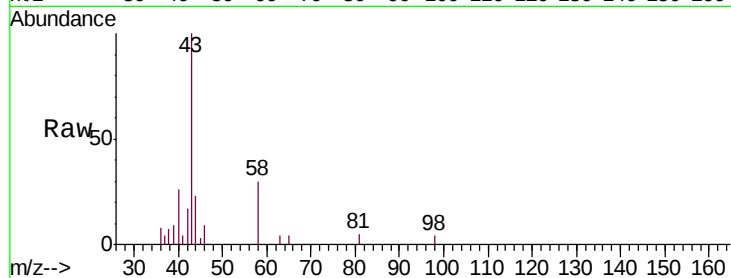
C0JR6

Tgt Ion: 43 Resp: 5812

Ion Ratio Lower Upper

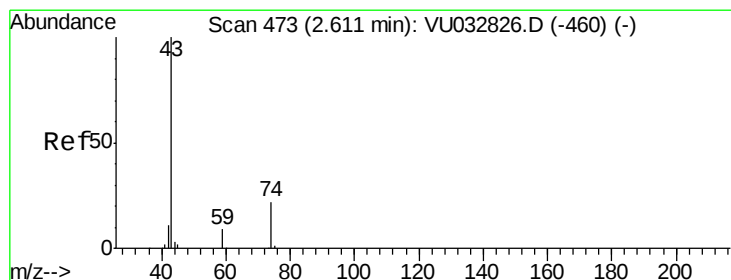
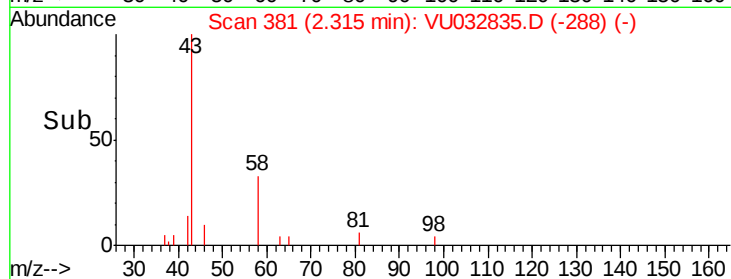
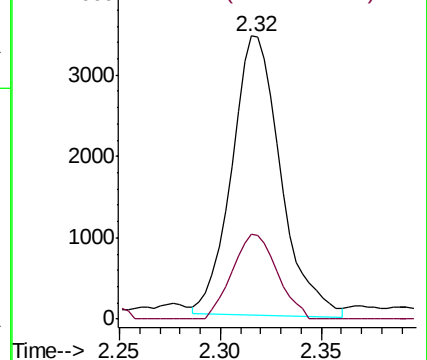
43 100

58 28.1 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032826.D (-361) (-)

Ion 58.00 (57.70 to 58.70): VU032826.D (-361) (-)



#15

Methyl Acetate

Concen: 0.996 ug/L

RT: 2.62 min Scan# 475

Delta R.T. 0.01 min

Lab File: VU032835.D

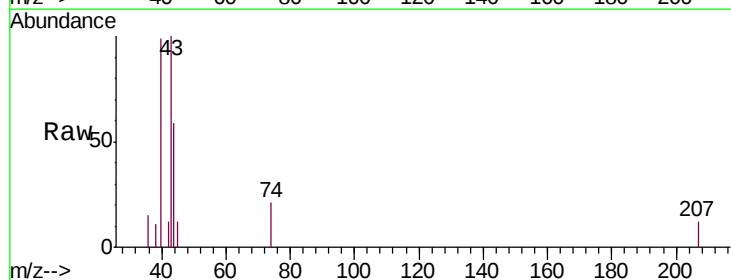
Acq: 18 Jun 2019 19:48

Tgt Ion: 43 Resp: 2053

Ion Ratio Lower Upper

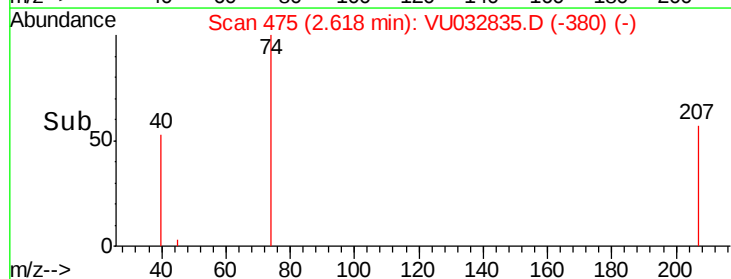
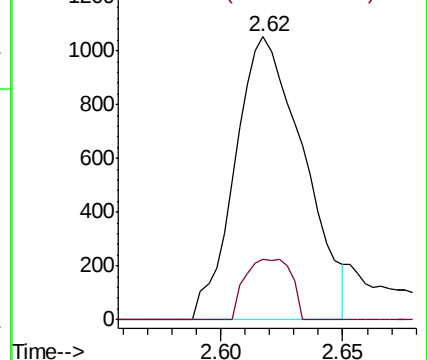
43 100

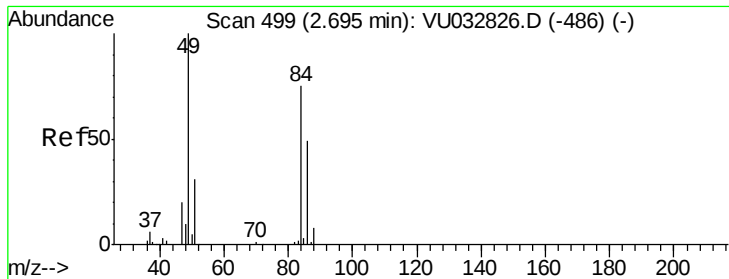
74 14.3 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VU032826.D (-460) (-)

Ion 74.00 (73.70 to 74.70): VU032826.D (-460) (-)

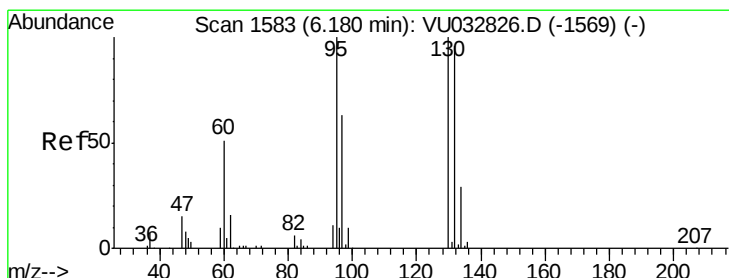
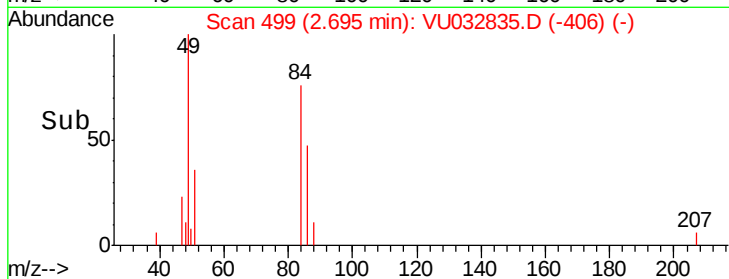
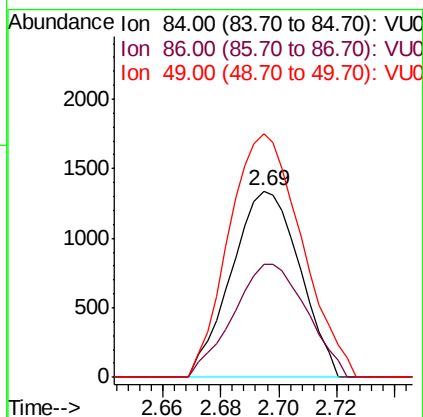
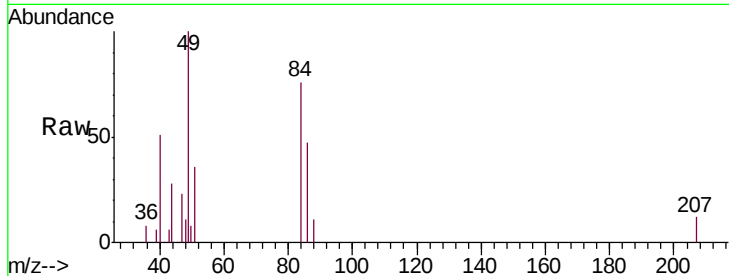




#16
Methylene chloride
Concen: 1.278 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032835.D
Acq: 18 Jun 2019 19:48

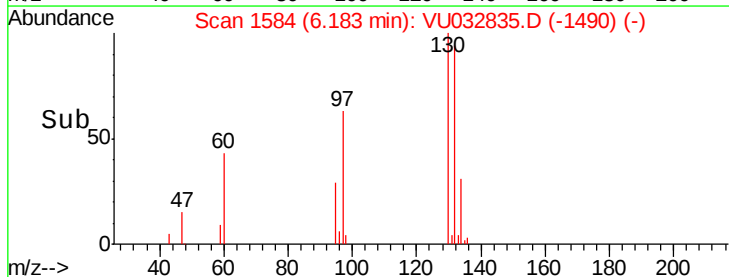
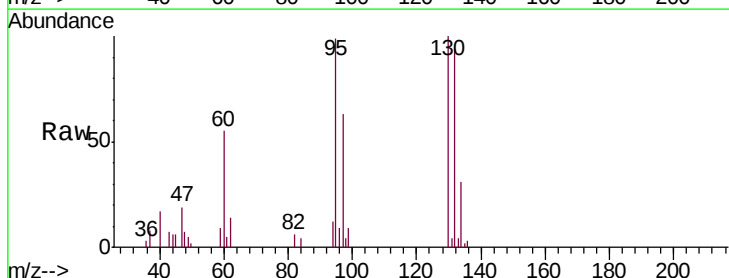
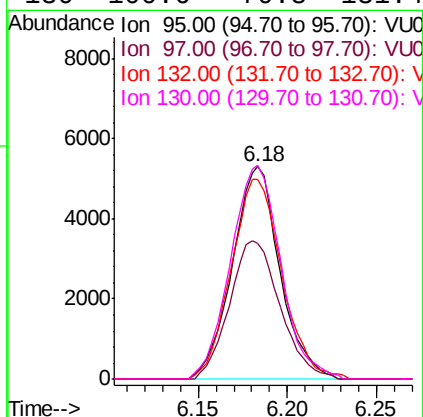
Instrument :
MSVOA_U
ClientSampleId :
C0JR6

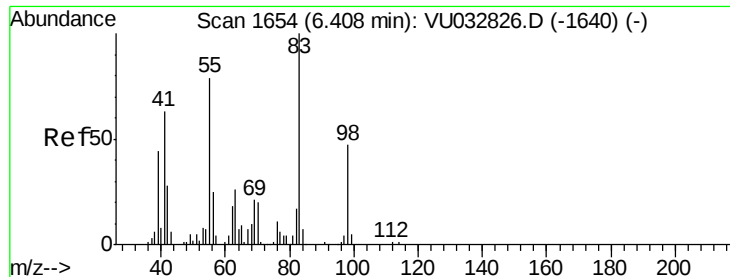
Tgt Ion: 84 Resp: 2185
Ion Ratio Lower Upper
84 100
86 60.9 45.5 84.5
49 130.8 92.1 171.1



#34
Trichloroethene
Concen: 5.687 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU032835.D
Acq: 18 Jun 2019 19:48

Tgt Ion: 95 Resp: 9896
Ion Ratio Lower Upper
95 100
97 63.7 45.9 85.3
132 94.2 68.5 127.3
130 100.6 70.8 131.4





#35

Methylcyclohexane

Concen: 8.047 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032835.D

Acq: 18 Jun 2019 19:48

Instrument :

MSVOA_U

ClientSampleId :

C0JR6

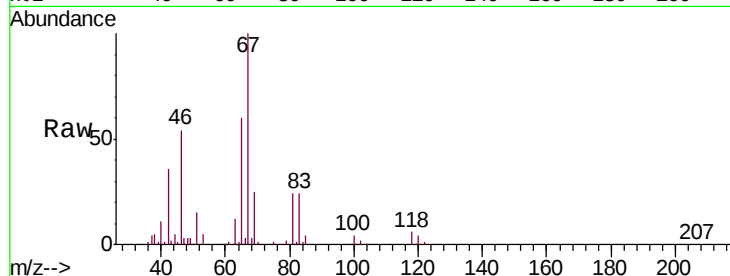
Tgt Ion: 83 Resp: 21645

Ion Ratio Lower Upper

83 100

55 1.4 62.6 94.0#

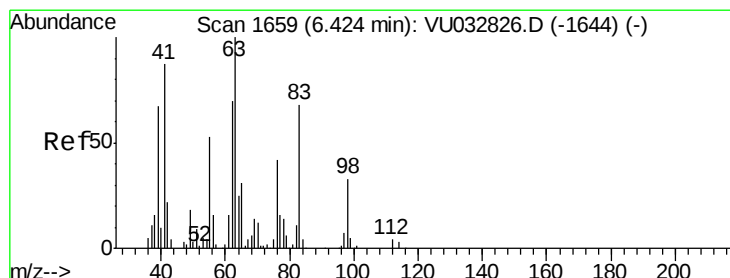
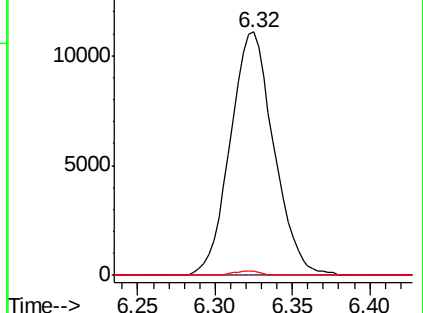
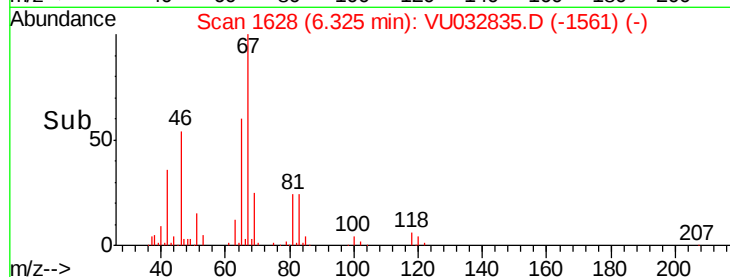
98 1.1 37.4 56.0#



Abundance Ion 83.00 (82.70 to 83.70): VU032835.D (-1561) (-)

Ion 55.00 (54.70 to 55.70): VU032835.D (-1561) (-)

Ion 98.00 (97.70 to 98.70): VU032835.D (-1561) (-)



#37

1,2-Dichloropropane

Concen: 6.149 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032835.D

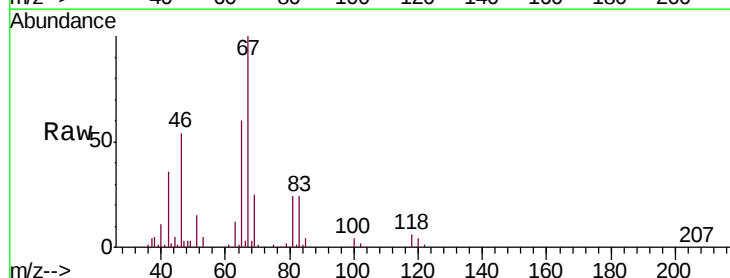
Acq: 18 Jun 2019 19:48

Tgt Ion: 63 Resp: 10985

Ion Ratio Lower Upper

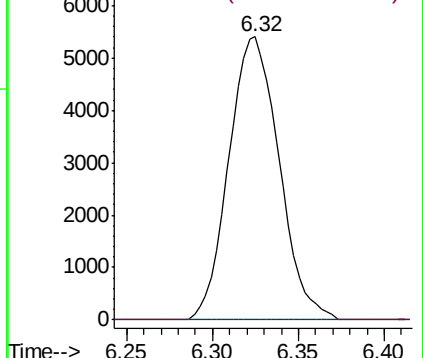
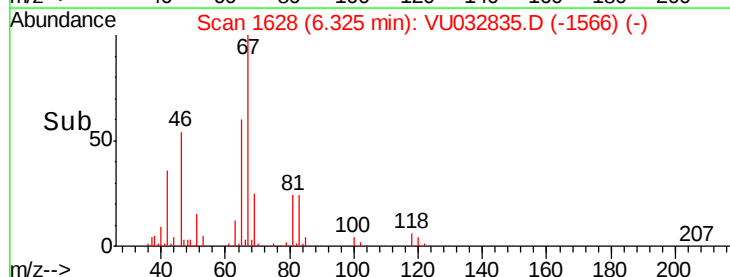
63 100

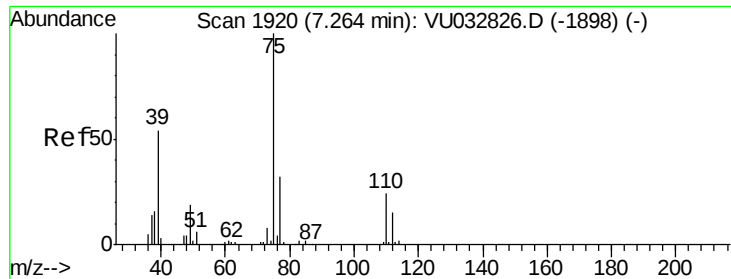
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU032835.D (-1566) (-)

Ion 112.00 (111.70 to 112.70): VU032835.D (-1566) (-)

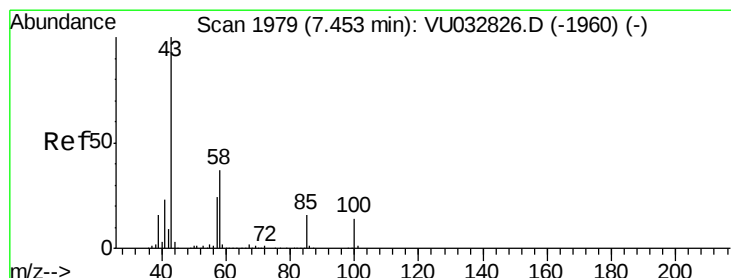
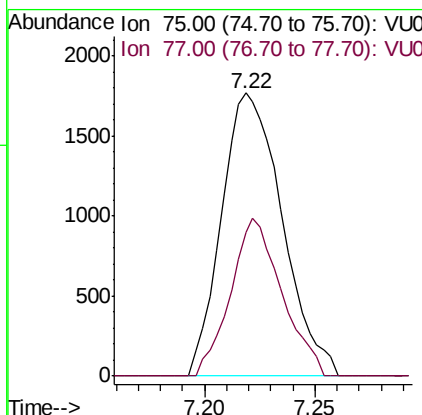
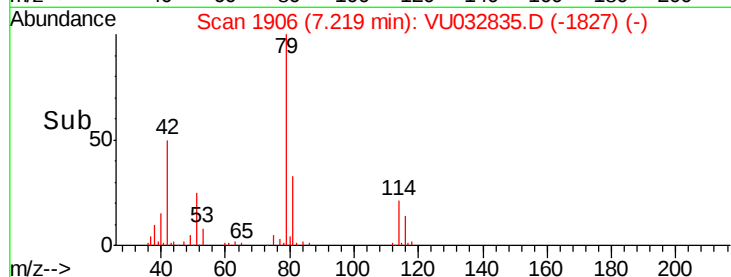
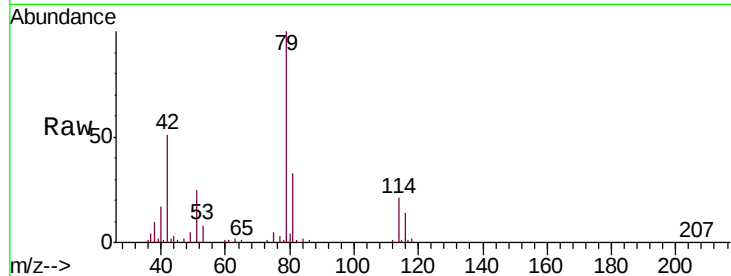




#39
 cis-1,3-Dichloropropene
 Concen: 1.210 ug/L
 RT: 7.22 min Scan# 1906
 Delta R.T. -0.04 min
 Lab File: VU032835.D
 Acq: 18 Jun 2019 19:48

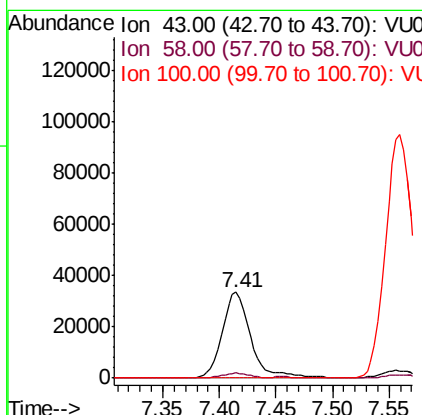
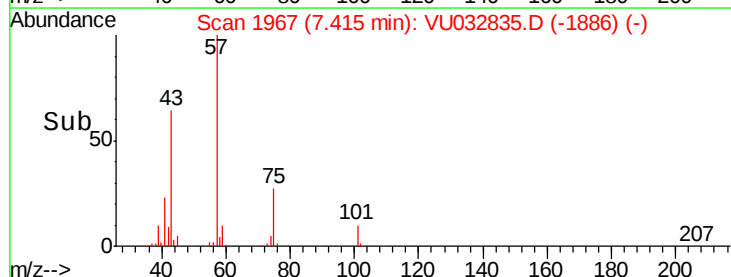
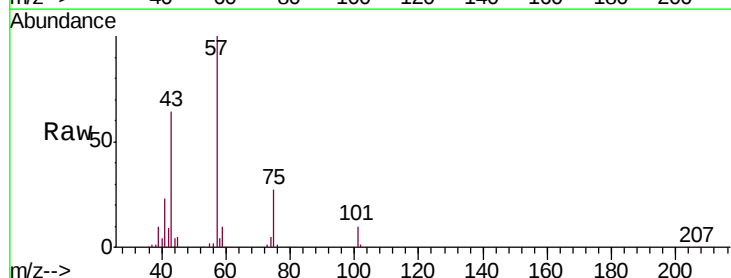
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JR6

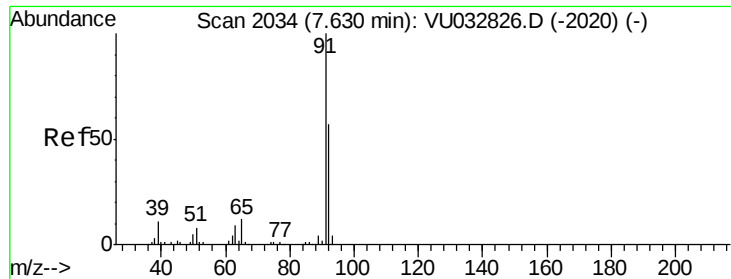
Tgt Ion: 75 Resp: 3369
 Ion Ratio Lower Upper
 75 100
 77 50.8 21.9 40.7#



#40
 4-Methyl-2-pentanone
 Concen: 20.303 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. -0.04 min
 Lab File: VU032835.D
 Acq: 18 Jun 2019 19:48

Tgt Ion: 43 Resp: 57913
 Ion Ratio Lower Upper
 43 100
 58 5.8 29.4 44.2#
 100 0.0 11.2 16.8#





#42

Toluene

Concen: 0.387 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032835.D

Acq: 18 Jun 2019 19:48

Instrument :

MSVOA_U

ClientSampleId :

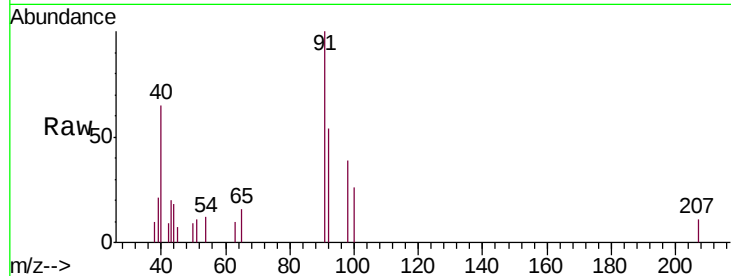
C0JR6

Tgt Ion: 91 Resp: 2728

Ion Ratio Lower Upper

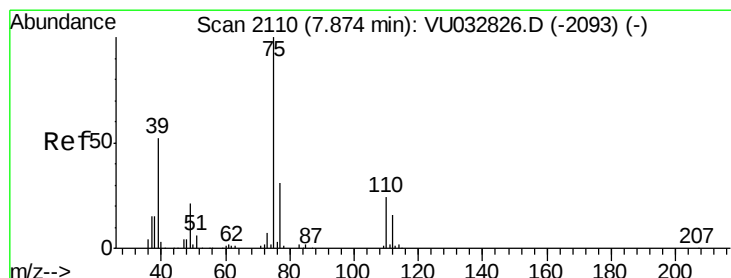
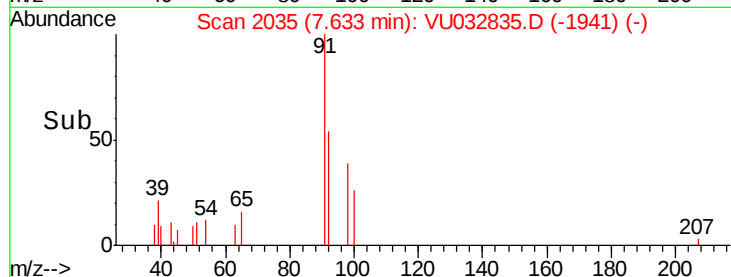
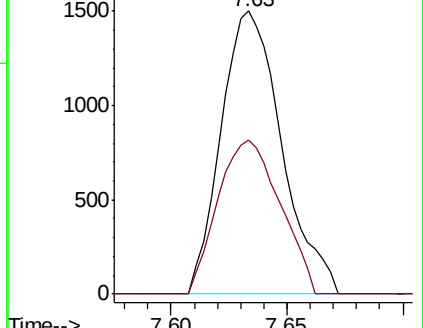
91 100

92 54.4 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU032826.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU032826.D (-2020) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.848 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU032835.D

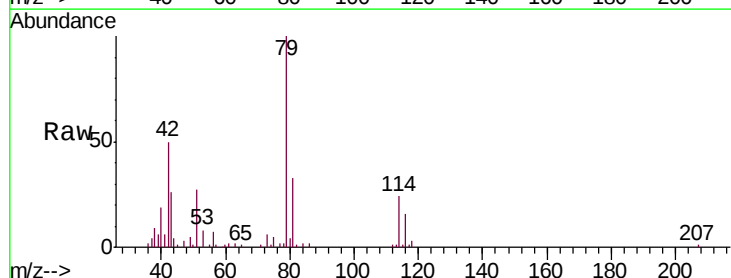
Acq: 18 Jun 2019 19:48

Tgt Ion: 75 Resp: 2217

Ion Ratio Lower Upper

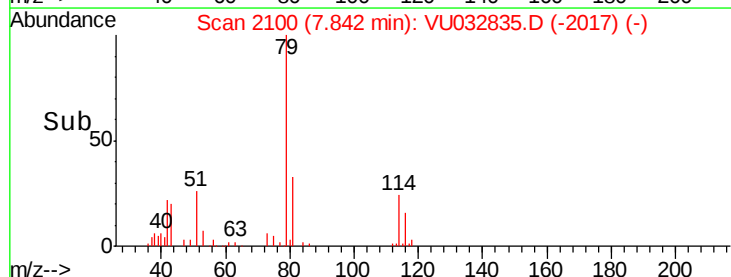
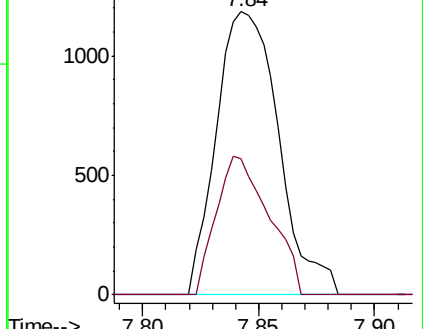
75 100

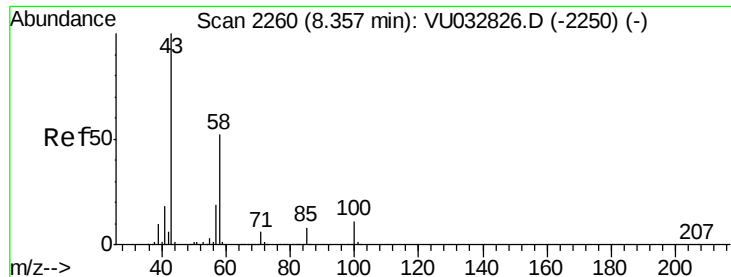
77 48.0 21.8 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VU032826.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU032826.D (-2093) (-)

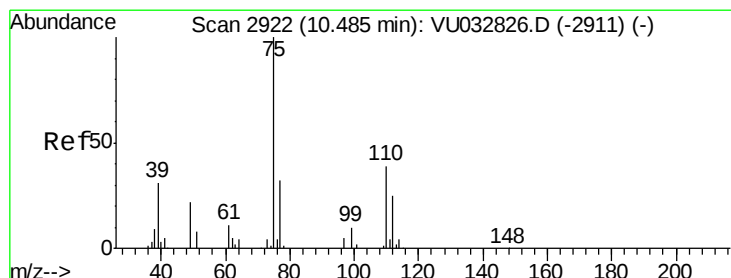
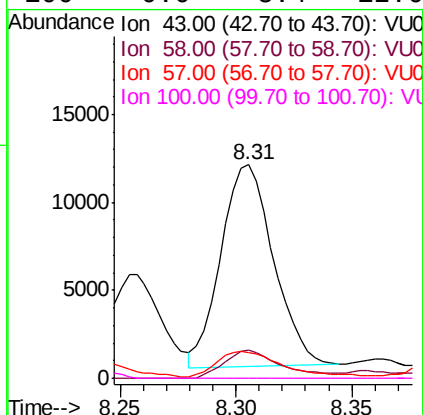
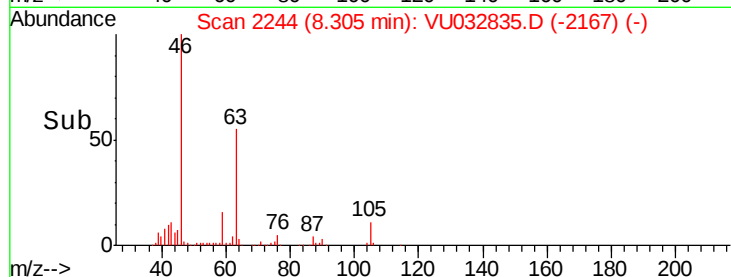
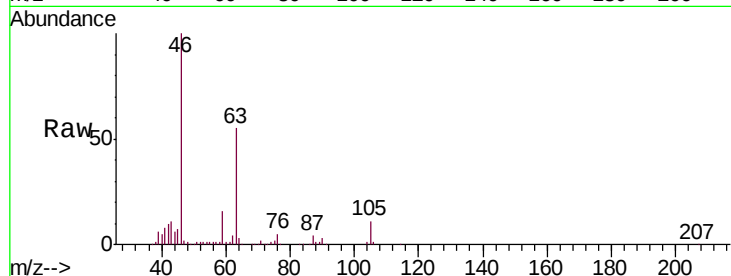




#48
2-Hexanone
Concen: 7.192 ug/L
RT: 8.31 min Scan# 2244
Delta R.T. -0.05 min
Lab File: VU032835.D
Acq: 18 Jun 2019 19:48

Instrument :
MSVOA_U
ClientSampleId :
C0JR6

Tgt Ion: 43 Resp: 18100
Ion Ratio Lower Upper
43 100
58 15.0 40.2 60.2#
57 14.5 14.2 21.4
100 0.0 8.4 12.6#



#59
1,2,3-Trichloropropane
Concen: 6.018 ug/L
RT: 11.48 min Scan# 3230
Delta R.T. 0.99 min
Lab File: VU032835.D
Acq: 18 Jun 2019 19:48

Tgt Ion: 75 Resp: 14349
Ion Ratio Lower Upper
75 100
77 37.3 25.5 38.3

