

Data File : VU032815.D
Acq On : 18 Jun 2019 11:43
Operator : JC/SP
Sample : K3363-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JQ3

Quant Time: Jun 19 01:31:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 19 01:26:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	237895	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	230489	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	116791	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	68306	42.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.02%
7) Chloroethane-d5	1.68	69	58674	45.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.50%
11) 1,1-Dichloroethene-d2	2.27	63	109908	33.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.12%
21) 2-Butanone-d5	4.17	46	141852	104.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.83%
24) Chloroform-d	4.64	84	146181	46.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.50%
26) 1,2-Dichloroethane-d4	5.30	65	101342	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.28%
32) Benzene-d6	5.33	84	290693	48.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.76%
36) 1,2-Dichloropropane-d6	6.32	67	93418	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.62%
41) Toluene-d8	7.56	98	269901	47.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.94%
43) trans-1,3-Dichloropropene-	7.84	79	47387	47.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.18%
47) 2-Hexanone-d5	8.31	63	98028	109.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.68%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	138883	46.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.88%
64) 1,2-Dichlorobenzene-d4	11.85	152	110702	48.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.96%

Target Compounds

					Qvalue	
8) Chloroethane	1.40	64	962	0.774	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	931	0.586	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	849	0.567	ug/L #	1
13) Acetone	2.32	43	10792	5.774	ug/L	95
16) Methylene chloride	2.69	84	3051	1.736	ug/L	91
27) 1,2-Dichloroethane	5.33	62	1651	0.629	ug/L #	77
34) Trichloroethene	6.18	95	25347	14.288	ug/L	96
35) Methylcyclohexane	6.32	83	21761	7.936	ug/L #	18
37) 1,2-Dichloropropane	6.32	63	10764	5.910	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	3304	1.164	ug/L #	82
40) 4-Methyl-2-pentanone	7.41	43	43133	14.833	ug/L #	53
42) Toluene	7.63	91	9116	1.269	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	2629	0.986	ug/L	88
46) Tetrachloroethene	8.22	164	6867	4.724	ug/L	95
48) 2-Hexanone	8.31	43	16192	6.311	ug/L #	64
49) Dibromochloromethane	8.22	129	5922	2.898	ug/L #	12
59) 1,2,3-Trichloropropane	11.48	75	14449	5.945	ug/L #	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061819\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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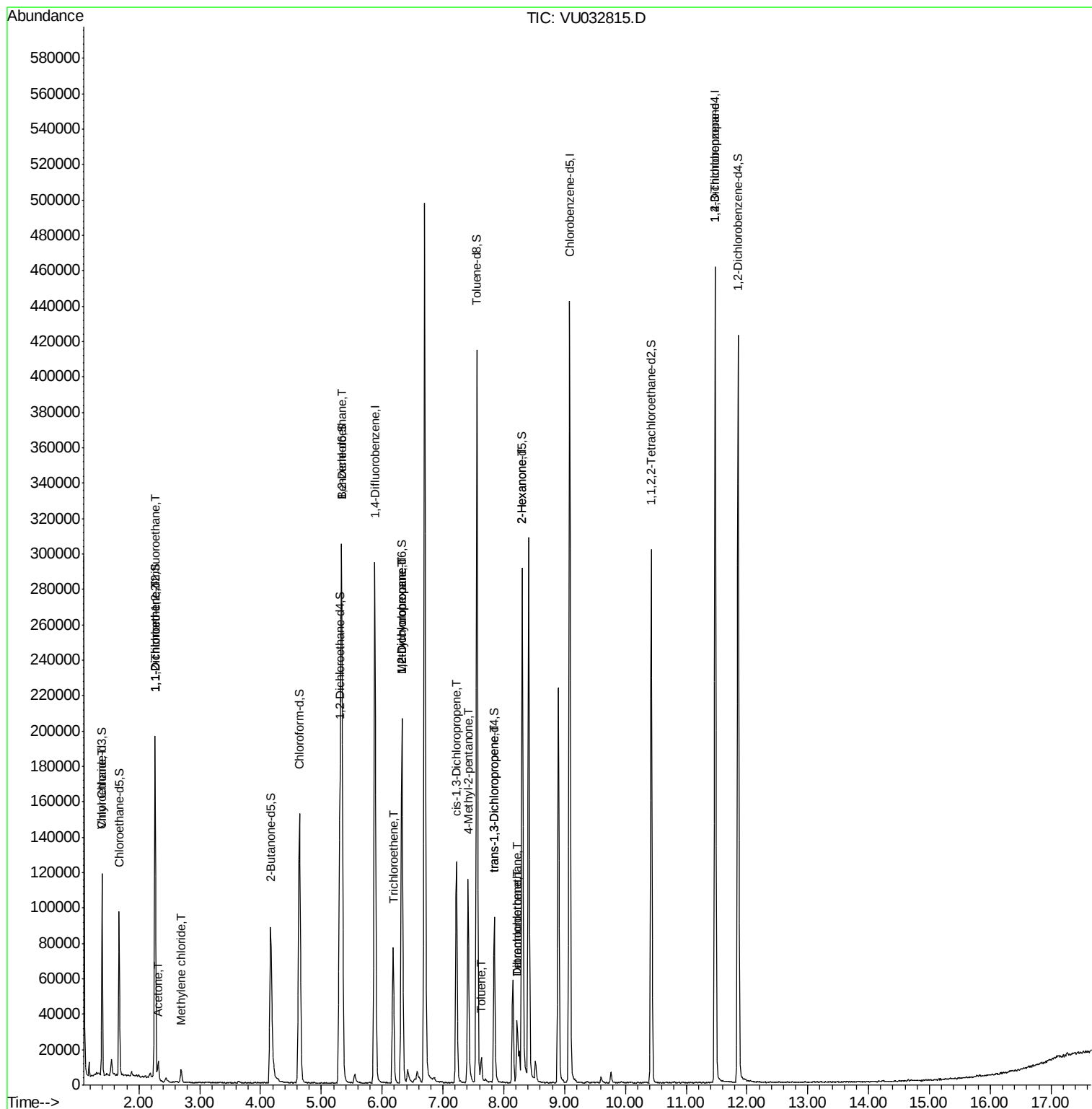
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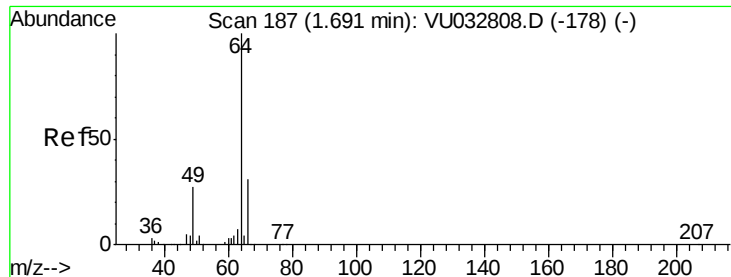
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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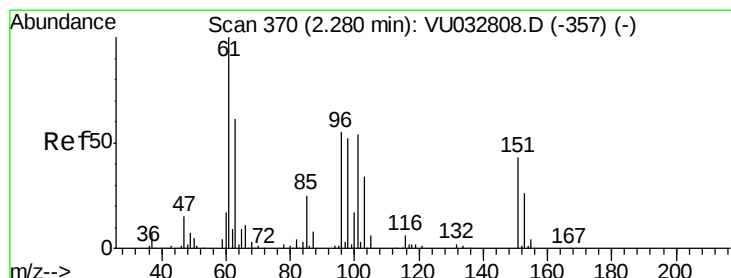
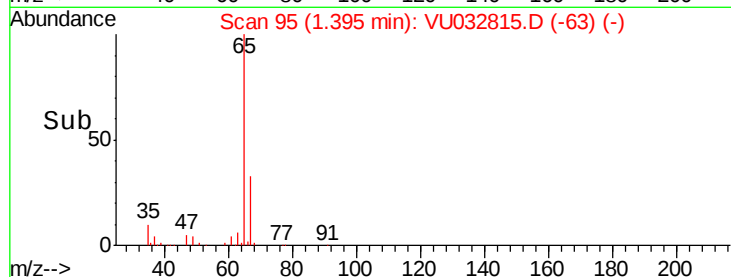
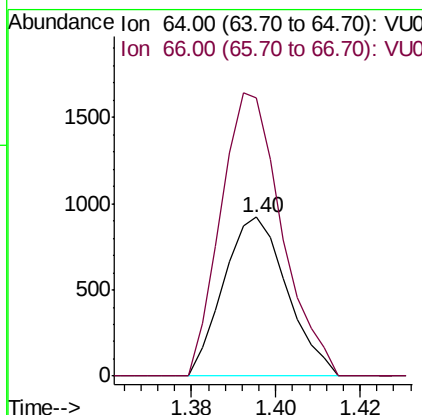
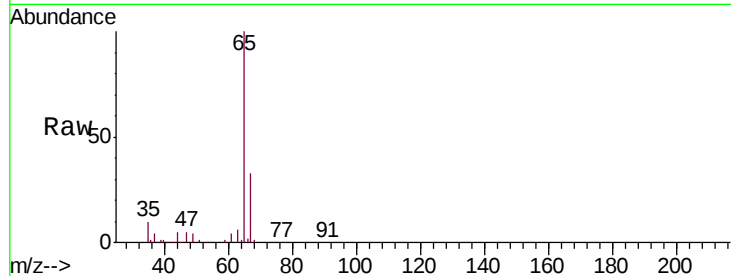




#8
Chloroethane
Concen: 0.774 ug/L
RT: 1.40 min Scan# 95
Delta R.T. -0.30 min
Lab File: VU032815.D
Acq: 18 Jun 2019 11:43

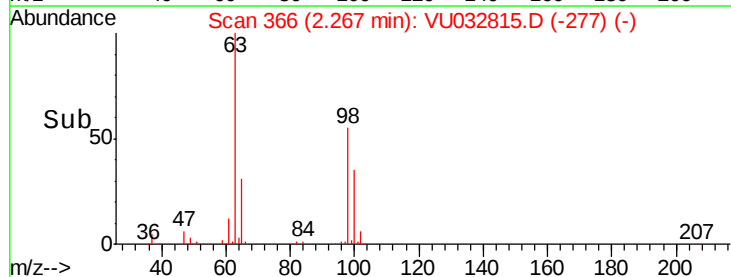
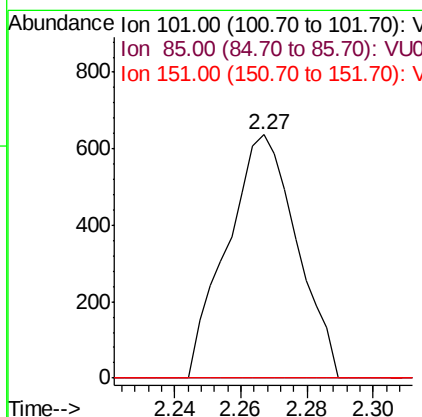
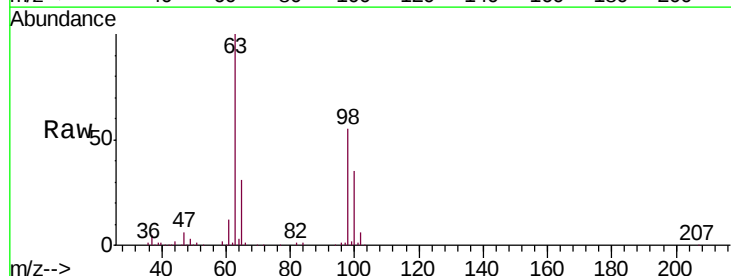
Instrument :
MSVOA_U
ClientSampleId :
C0JQ3

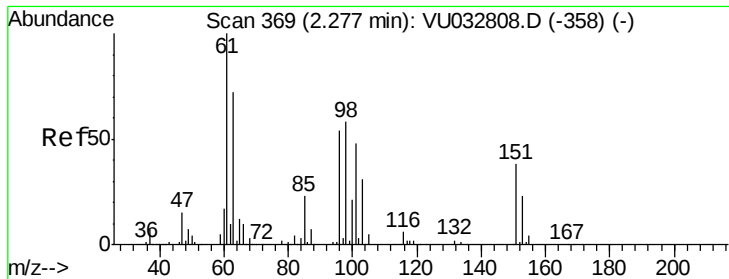
Tgt Ion: 64 Resp: 962
Ion Ratio Lower Upper
64 100
66 175.2 22.5 41.7#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.586 ug/L
RT: 2.27 min Scan# 366
Delta R.T. -0.01 min
Lab File: VU032815.D
Acq: 18 Jun 2019 11:43

Tgt Ion: 101 Resp: 931
Ion Ratio Lower Upper
101 100
85 0.0 36.8 55.2#
151 0.0 63.6 95.4#





#12

1,1-Dichloroethene

Concen: 0.567 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032815.D

Acq: 18 Jun 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

C0JQ3

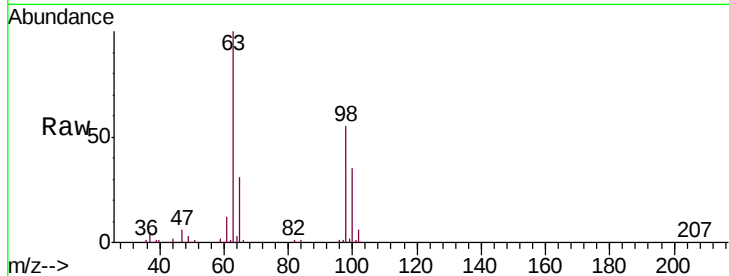
Tgt Ion: 96 Resp: 849

Ion Ratio Lower Upper

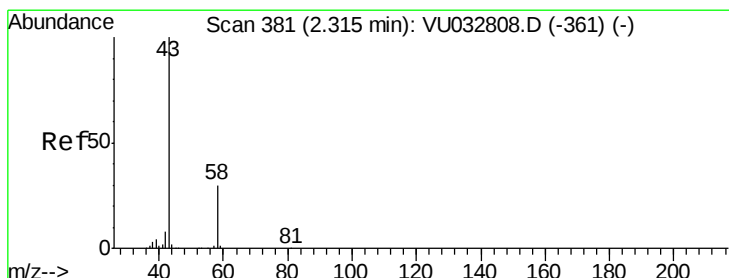
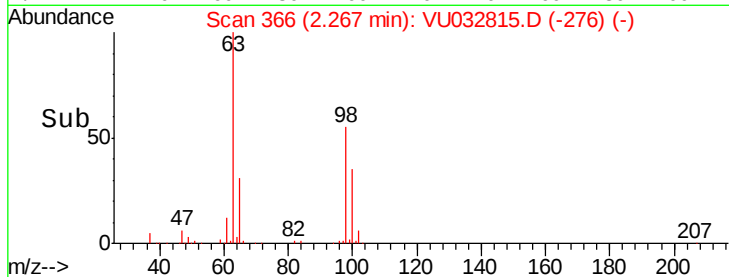
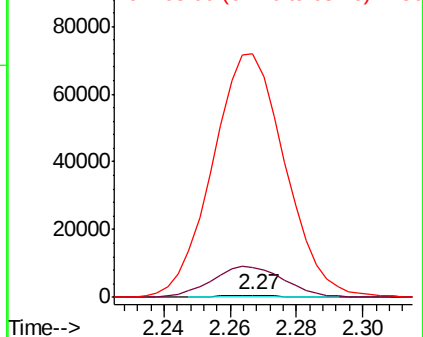
96 100

61 1505.2 131.0 243.4#

63 12042.9 101.0 187.6#



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: 5.774 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032815.D

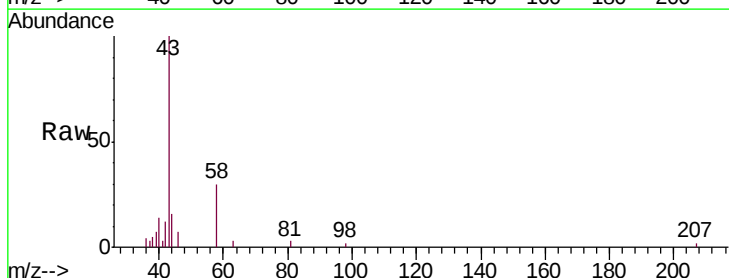
Acq: 18 Jun 2019 11:43

Tgt Ion: 43 Resp: 10792

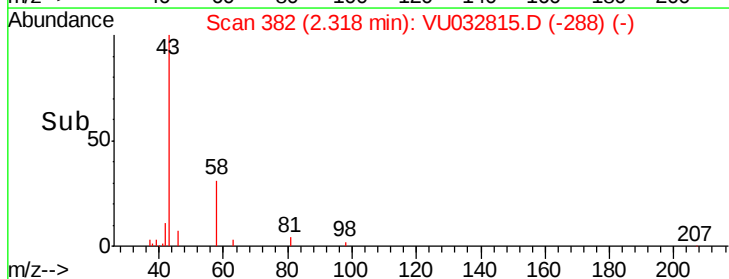
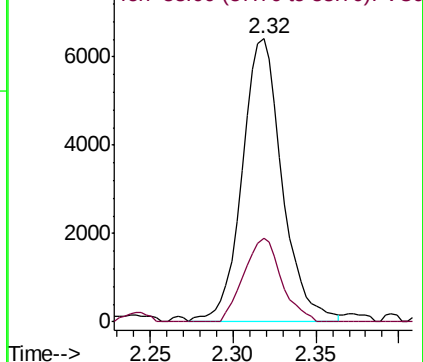
Ion Ratio Lower Upper

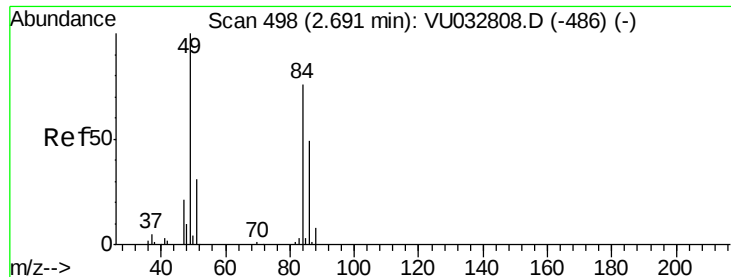
43 100

58 27.8 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

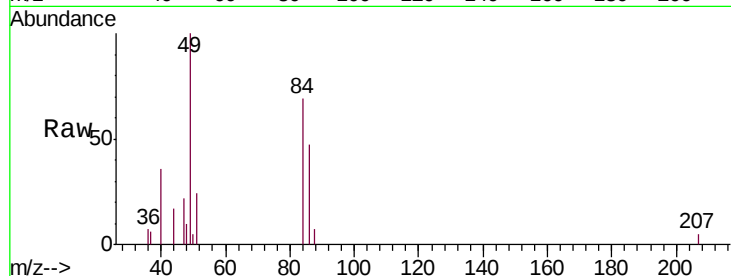




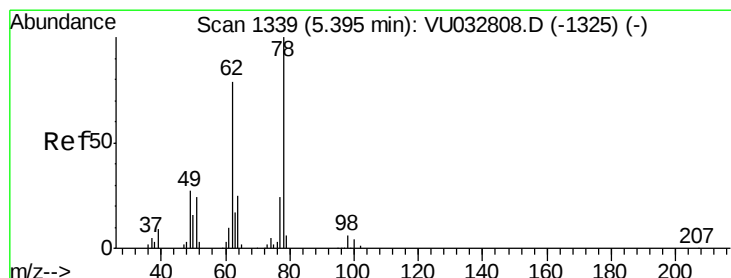
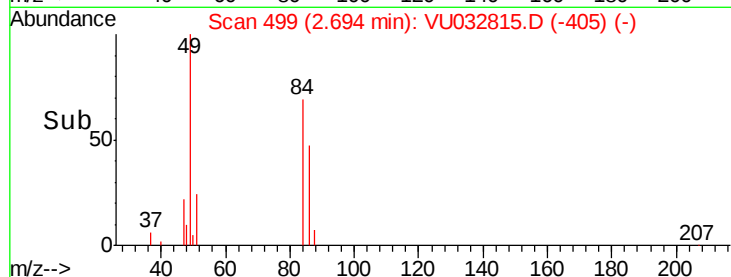
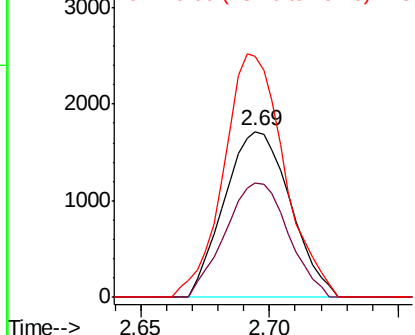
#16
Methylene chloride
Concen: 1.736 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032815.D
Acq: 18 Jun 2019 11:43

Instrument :
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Tgt Ion: 84 Resp: 3051
Ion Ratio Lower Upper
84 100
86 68.6 45.5 84.5
49 145.0 92.1 171.1

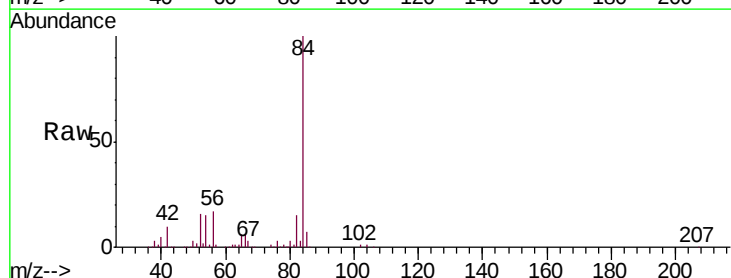


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

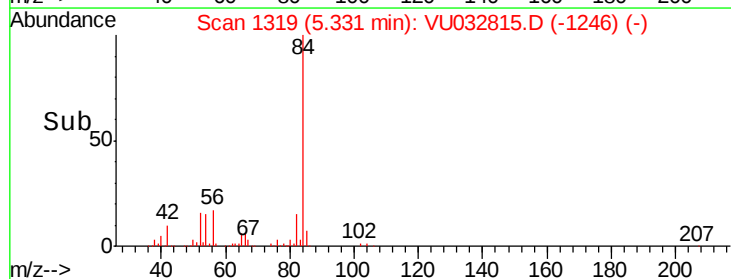
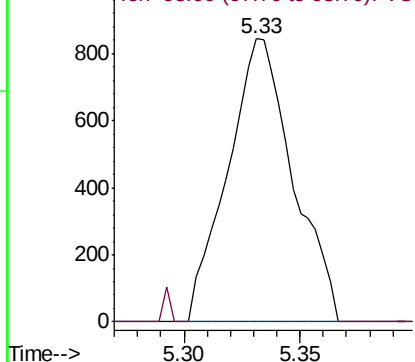


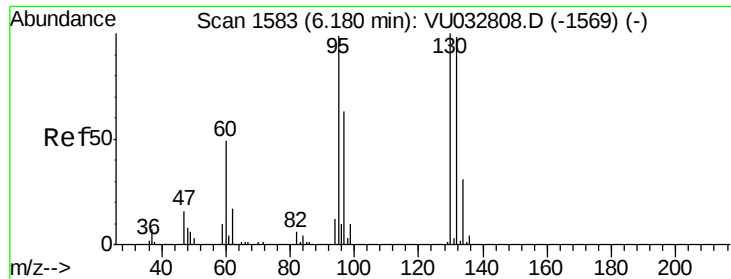
#27
1,2-Dichloroethane
Concen: 0.629 ug/L
RT: 5.33 min Scan# 1319
Delta R.T. -0.06 min
Lab File: VU032815.D
Acq: 18 Jun 2019 11:43

Tgt Ion: 62 Resp: 1651
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#34

Trichloroethene

Concen: 14.288 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032815.D

Acq: 18 Jun 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

C0JQ3

Tgt Ion: 95 Resp: 25347

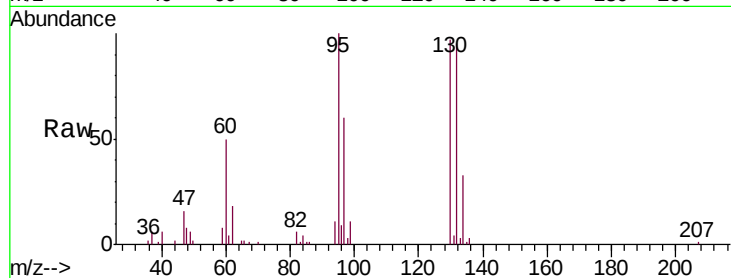
Ion Ratio Lower Upper

95 100

97 60.0 45.9 85.3

132 94.9 68.5 127.3

130 97.2 70.8 131.4

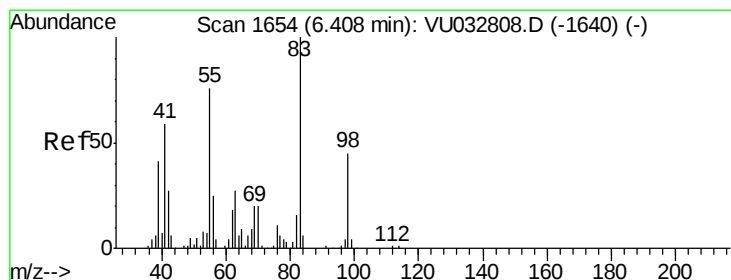
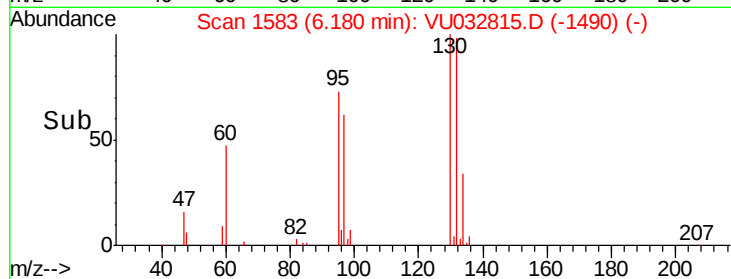
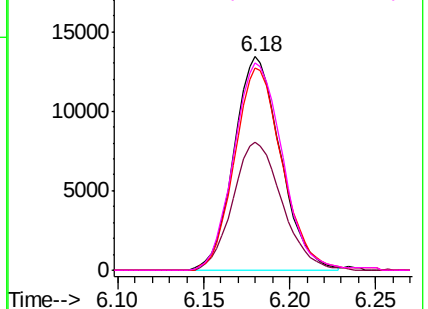


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 7.936 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032815.D

Acq: 18 Jun 2019 11:43

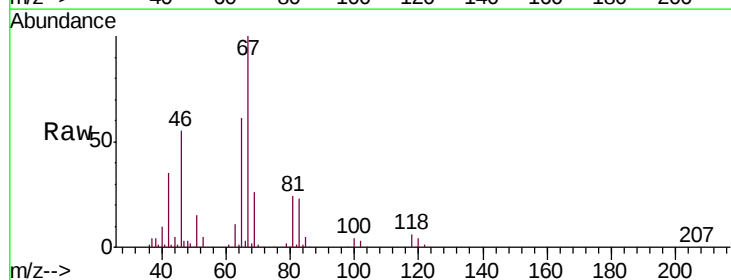
Tgt Ion: 83 Resp: 21761

Ion Ratio Lower Upper

83 100

55 0.1 62.6 94.0#

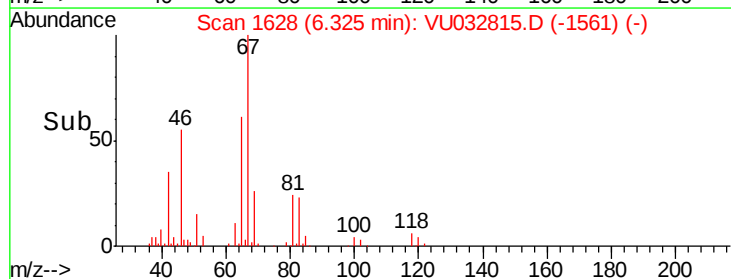
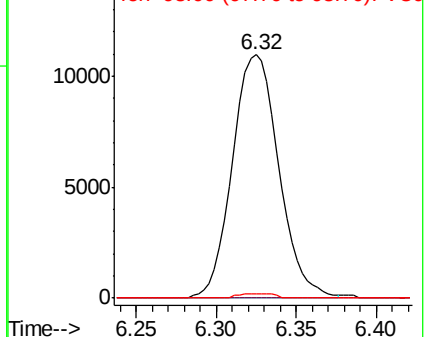
98 0.9 37.4 56.0#

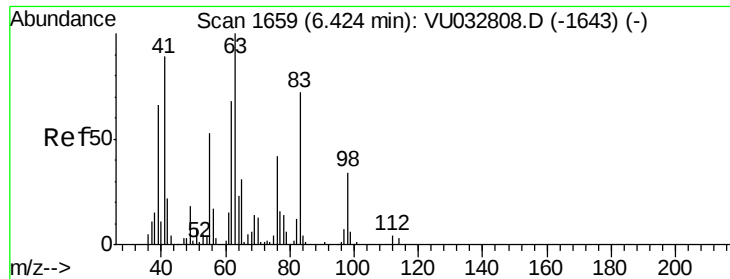


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

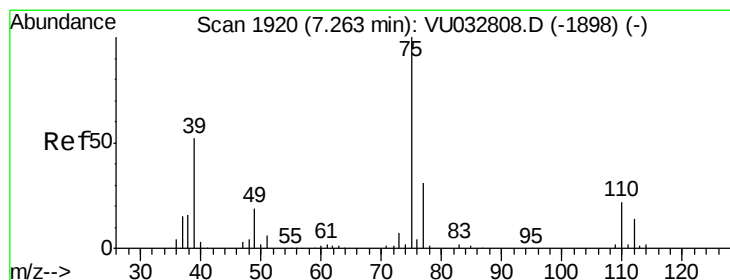
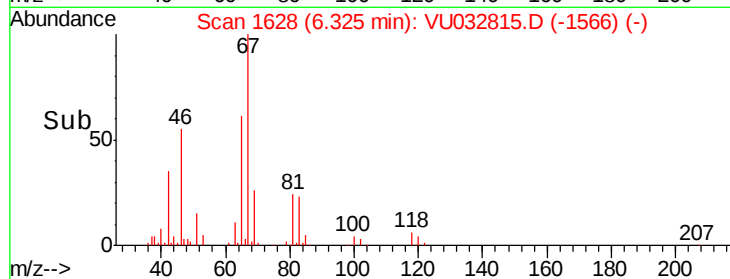
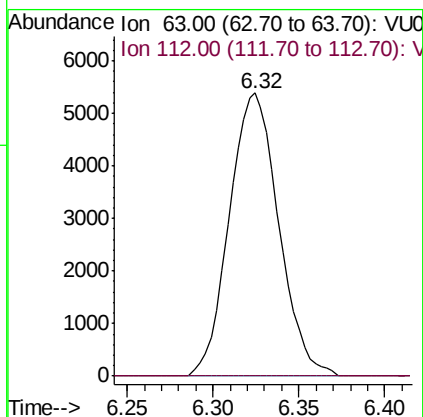
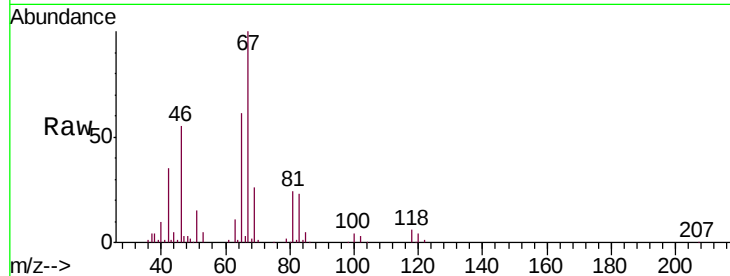




#37
 1,2-Dichloropropane
 Concen: 5.910 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032815.D
 Acq: 18 Jun 2019 11:43

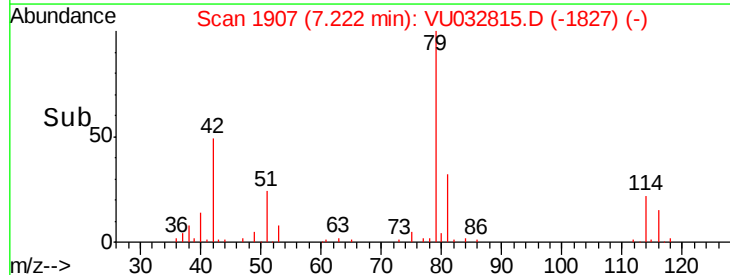
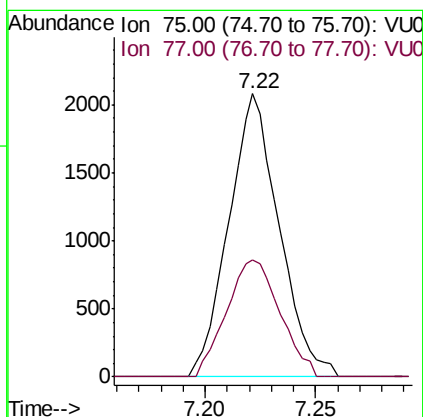
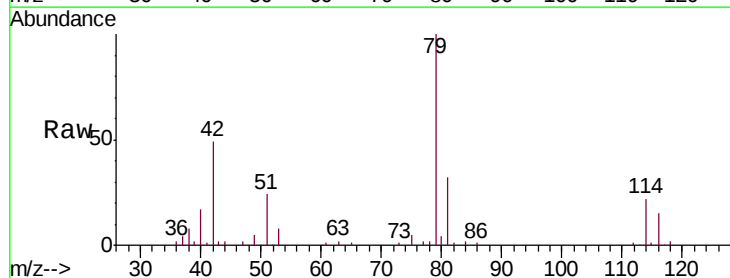
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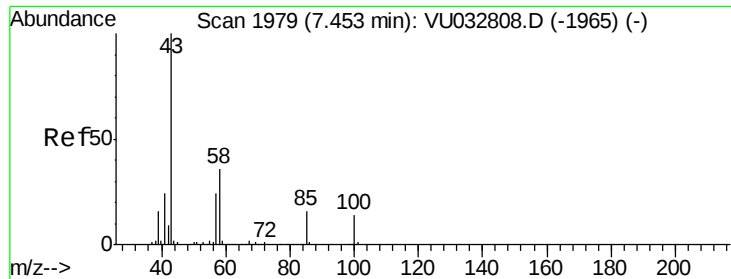
Tgt Ion: 63 Resp: 10764
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.164 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032815.D
 Acq: 18 Jun 2019 11:43

Tgt Ion: 75 Resp: 3304
 Ion Ratio Lower Upper
 75 100
 77 41.4 21.9 40.7#

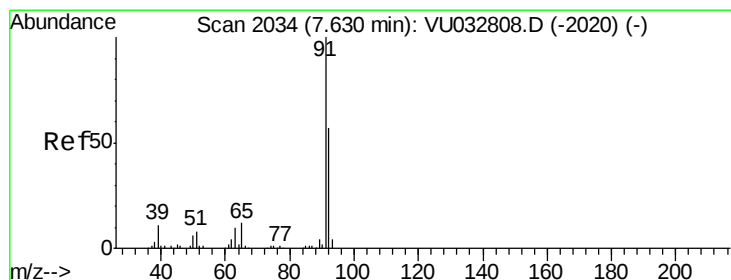
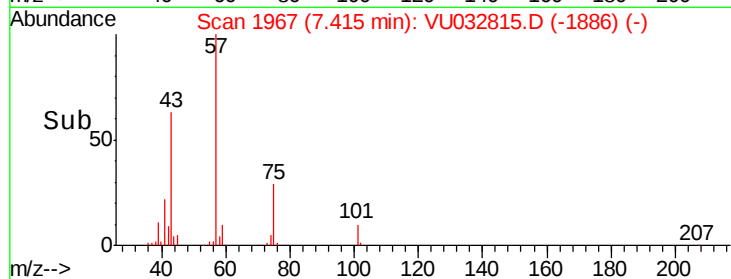
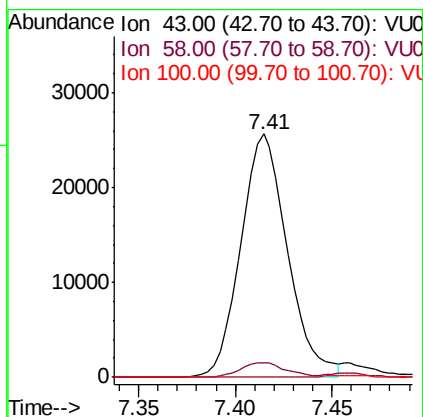
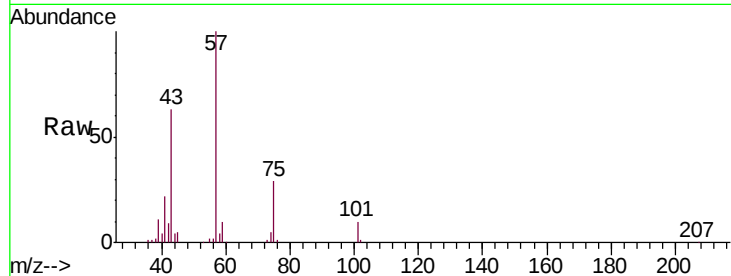




#40
 4-Methyl-2-pentanone
 Concen: 14.833 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. -0.04 min
 Lab File: VU032815.D
 Acq: 18 Jun 2019 11:43

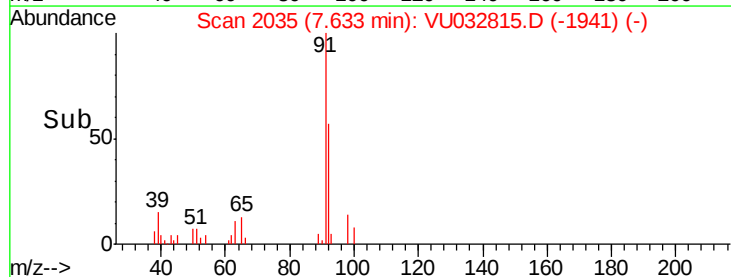
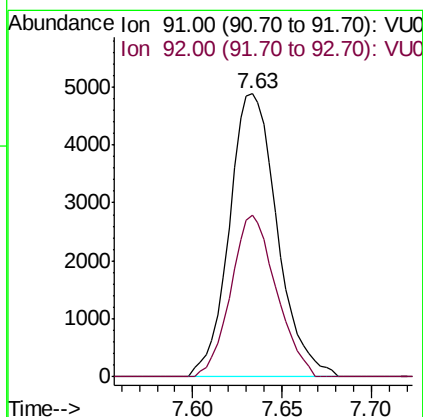
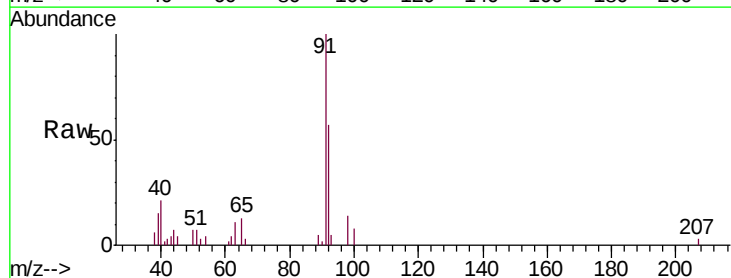
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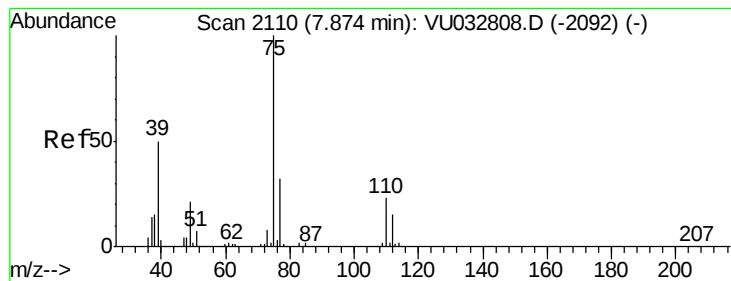
Tgt Ion: 43 Resp: 43133
 Ion Ratio Lower Upper
 43 100
 58 5.8 29.4 44.2#
 100 0.0 11.2 16.8#



#42
 Toluene
 Concen: 1.269 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU032815.D
 Acq: 18 Jun 2019 11:43

Tgt Ion: 91 Resp: 9116
 Ion Ratio Lower Upper
 91 100
 92 56.9 40.4 75.0





#44

trans-1,3-Dichloropropene

Concen: 0.986 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032815.D

Acq: 18 Jun 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

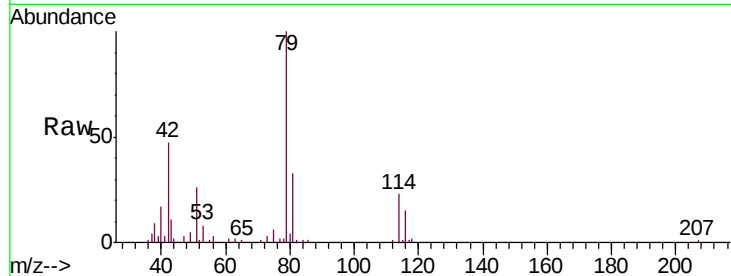
C0JQ3

Tgt Ion: 75 Resp: 2629

Ion Ratio Lower Upper

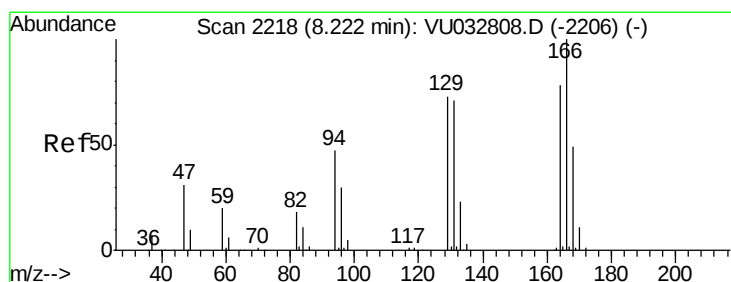
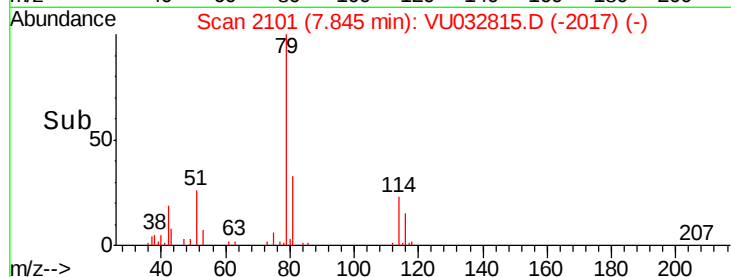
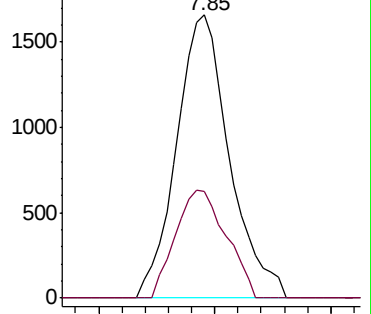
75 100

77 37.5 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU032808.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU032808.D (-2092) (-)



#46

Tetrachloroethene

Concen: 4.724 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032815.D

Acq: 18 Jun 2019 11:43

Tgt Ion: 164 Resp: 6867

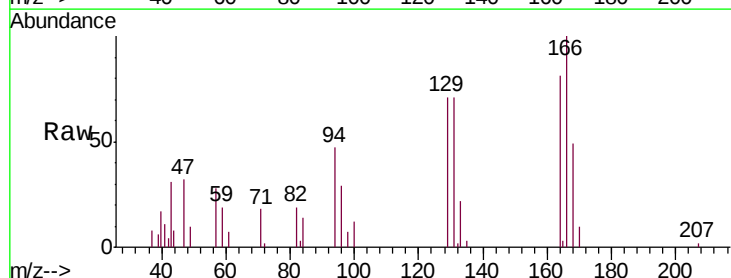
Ion Ratio Lower Upper

164 100

129 87.5 64.8 120.3

131 88.1 64.5 119.7

166 123.6 91.3 169.6

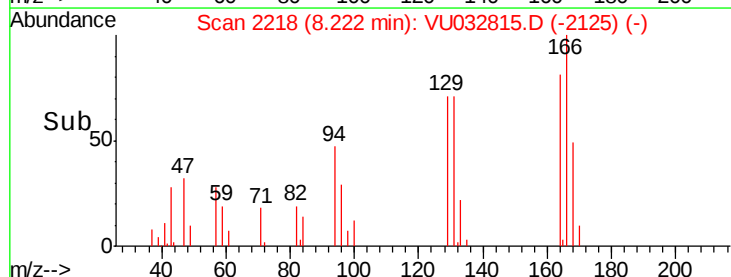
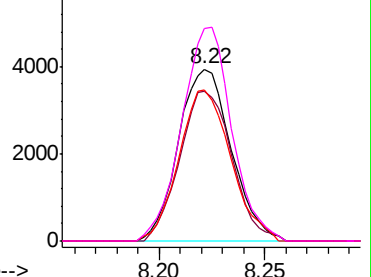


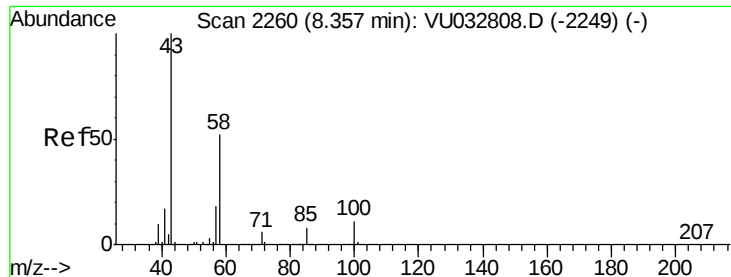
Abundance Ion 164.00 (163.70 to 164.70): VU032808.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU032808.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU032808.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU032808.D (-2206) (-)

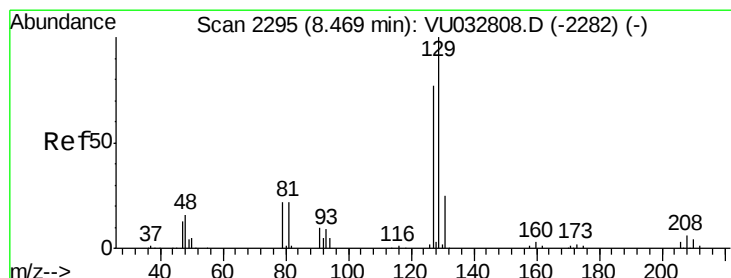
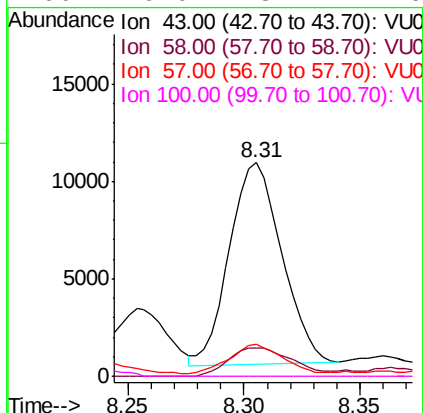
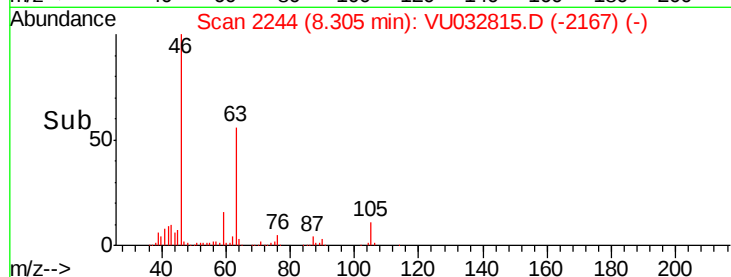
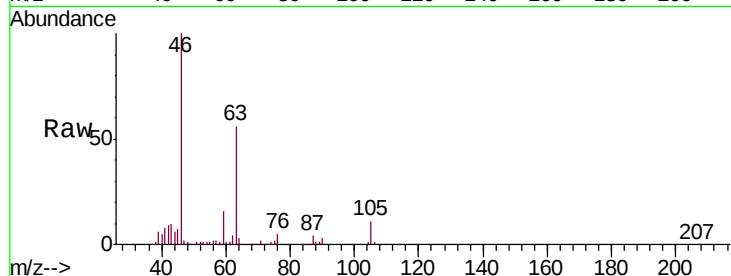




#48
2-Hexanone
Concen: 6.311 ug/L
RT: 8.31 min Scan# 2244
Delta R.T. -0.05 min
Lab File: VU032815.D
Acq: 18 Jun 2019 11:43

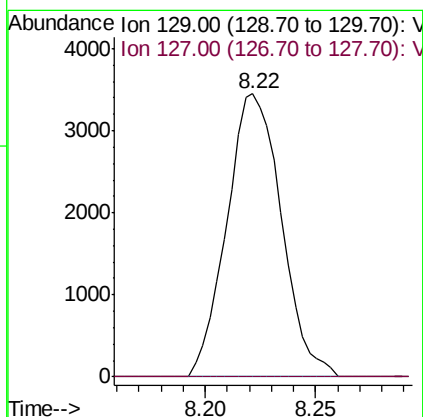
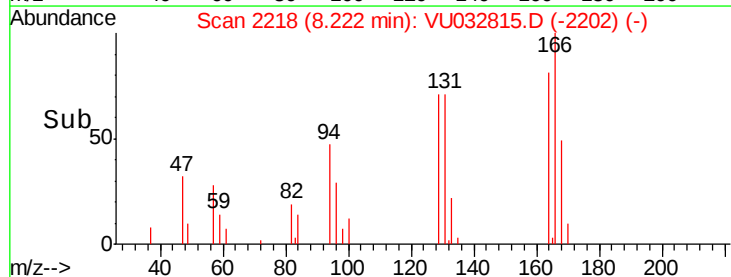
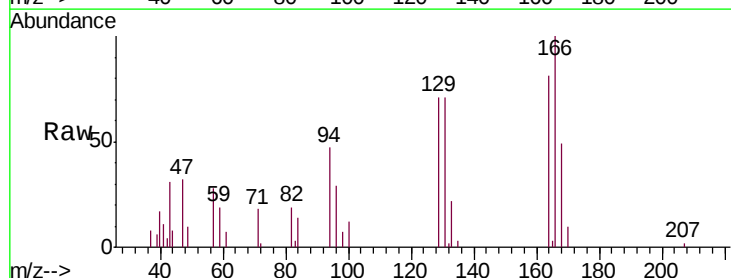
Instrument :
MSVOA_U
ClientSampleId :
C0JQ3

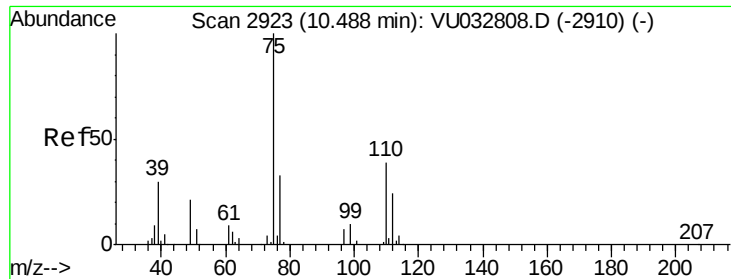
Tgt Ion: 43 Resp: 16192
Ion Ratio Lower Upper
43 100
58 17.3 40.2 60.2#
57 14.6 14.2 21.4
100 0.0 8.4 12.6#



#49
Dibromochloromethane
Concen: 2.898 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.25 min
Lab File: VU032815.D
Acq: 18 Jun 2019 11:43

Tgt Ion: 129 Resp: 5922
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#





#59

1,2,3-Trichloropropane

Concen: 5.945 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU032815.D

Acq: 18 Jun 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

C0JQ3

Tgt Ion: 75 Resp: 14449

Ion Ratio Lower Upper

75 100

77 39.8 25.5 38.3#

