

Data File : VU032817.D
Acq On : 18 Jun 2019 12:28
Operator : JC/SP
Sample : K3363-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JQ9

Quant Time: Jun 19 01:31:39 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	225819	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	221455	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	110307	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	58635	37.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.98%
7) Chloroethane-d5	1.68	69	52095	42.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.66%
11) 1,1-Dichloroethene-d2	2.27	63	92983	29.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.82%#
21) 2-Butanone-d5	4.17	46	136266	106.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.08%
24) Chloroform-d	4.64	84	130427	43.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.94%
26) 1,2-Dichloroethane-d4	5.30	65	92241	46.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.32%
32) Benzene-d6	5.33	84	253699	43.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.90%
36) 1,2-Dichloropropane-d6	6.32	67	86114	46.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.66%
41) Toluene-d8	7.56	98	230702	42.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.34%
43) trans-1,3-Dichloropropene-	7.84	79	36845	38.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.04%
47) 2-Hexanone-d5	8.30	63	98575	114.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.80%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	131106	46.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	97679	45.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.52%

Target Compounds

					Qvalue	
8) Chloroethane	1.40	64	893	0.757	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	873	0.579	ug/L #	17
13) Acetone	2.32	43	6302	3.552	ug/L	97
15) Methyl Acetate	2.62	43	1732	0.861	ug/L #	77
16) Methylene chloride	2.69	84	2987	1.790	ug/L	96
27) 1,2-Dichloroethane	5.34	62	1687	0.677	ug/L #	77
34) Trichloroethene	6.18	95	5104	2.994	ug/L	93
35) Methylcyclohexane	6.32	83	19919	7.560	ug/L #	19
37) 1,2-Dichloropropane	6.32	63	10320	5.897	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2463	0.903	ug/L #	68
40) 4-Methyl-2-pentanone	7.41	43	52826	18.908	ug/L #	52
42) Toluene	7.63	91	2353	0.341	ug/L #	75
44) trans-1,3-Dichloropropene	7.84	75	1953	0.763	ug/L	92
46) Tetrachloroethene	8.22	164	3022	2.164	ug/L	93
49) Dibromochloromethane	8.22	129	2870	1.462	ug/L #	12
59) 1,2,3-Trichloropropane	11.48	75	14069	6.024	ug/L	91

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

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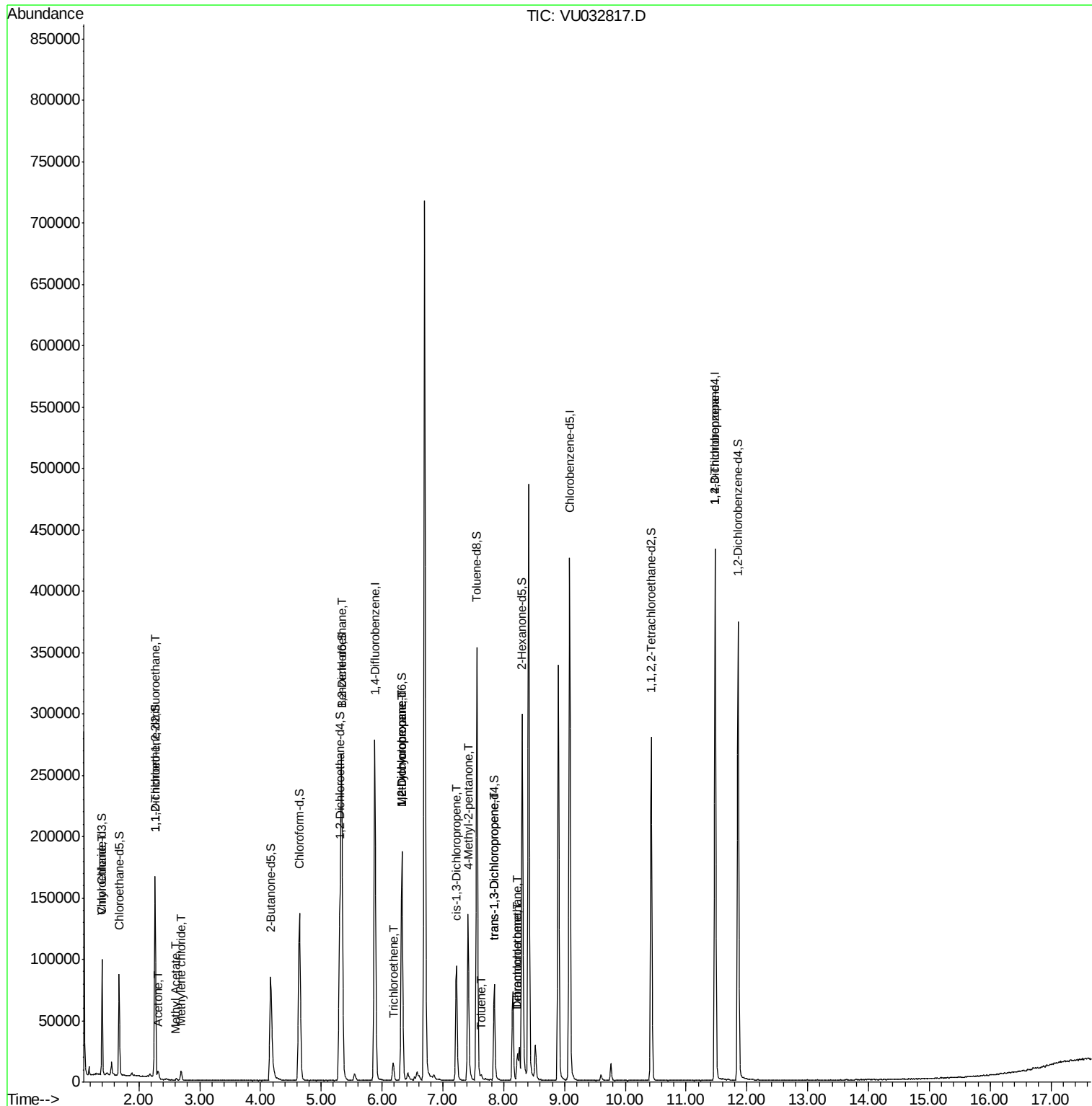
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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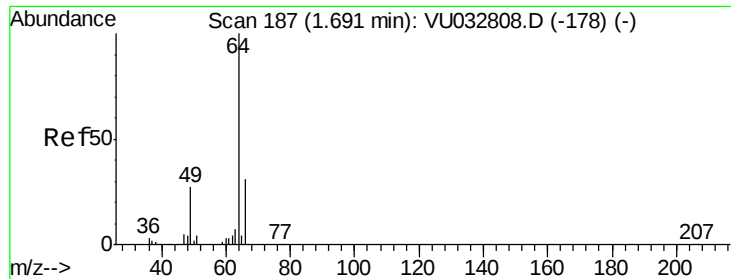
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.757 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU032817.D

Acq: 18 Jun 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

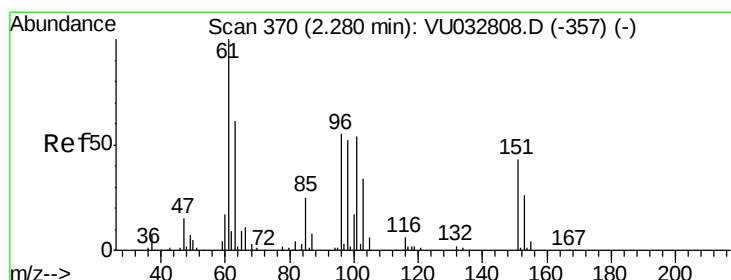
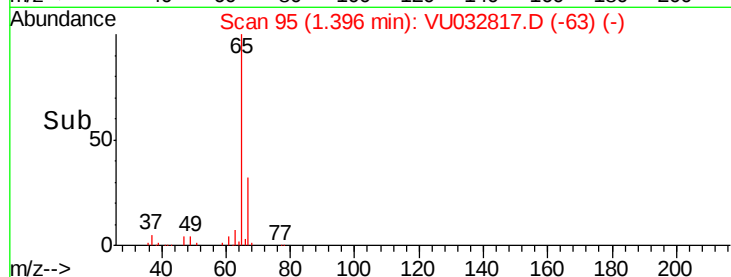
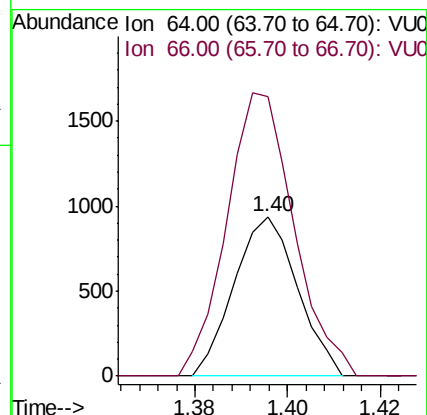
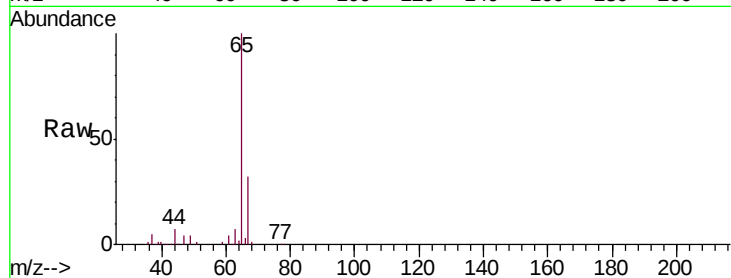
C0JQ9

Tgt Ion: 64 Resp: 893

Ion Ratio Lower Upper

64 100

66 175.0 22.5 41.7#



#10

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

Concen: 0.579 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU032817.D

Acq: 18 Jun 2019 12:28

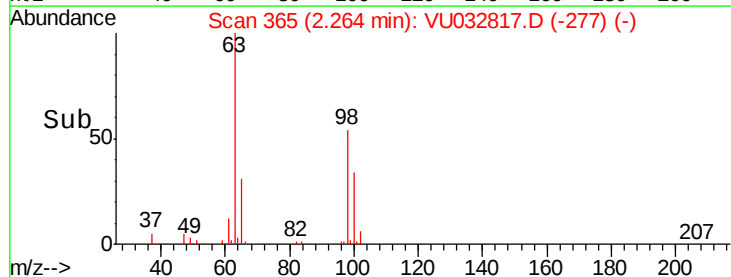
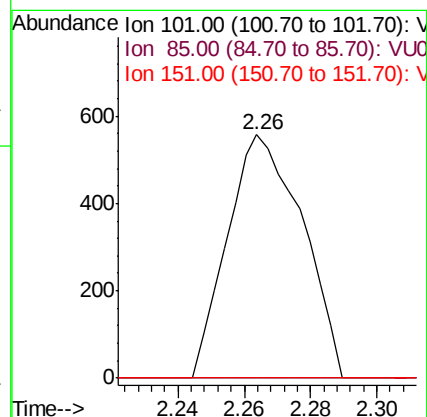
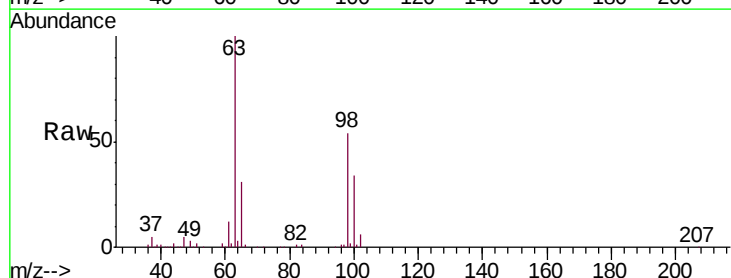
Tgt Ion: 101 Resp: 873

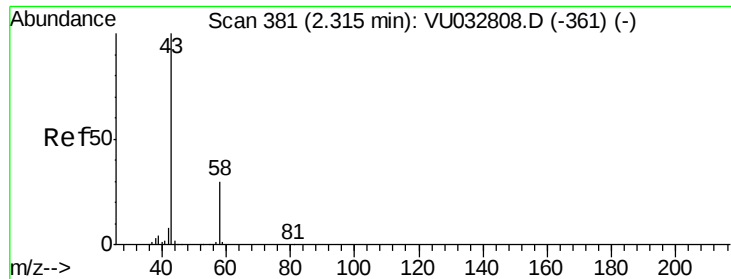
Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 0.0 63.6 95.4#





#13

Acetone

Concen: 3.552 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032817.D

Acq: 18 Jun 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

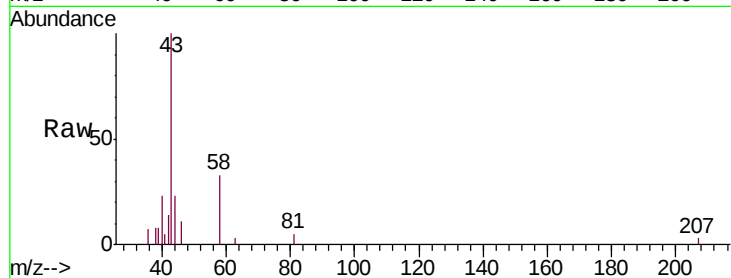
C0JQ9

Tgt Ion: 43 Resp: 6302

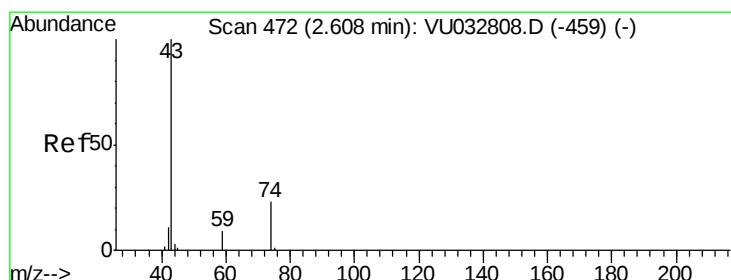
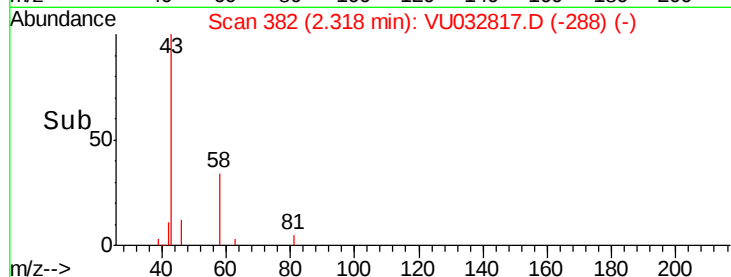
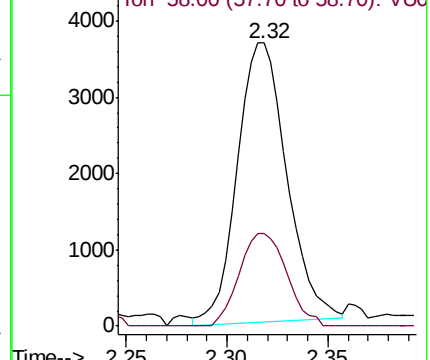
Ion Ratio Lower Upper

43 100

58 31.7 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032808.D (-361) (-)



#15

Methyl Acetate

Concen: 0.861 ug/L

RT: 2.62 min Scan# 475

Delta R.T. 0.01 min

Lab File: VU032817.D

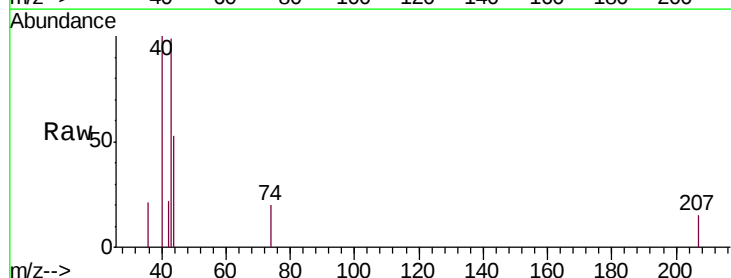
Acq: 18 Jun 2019 12:28

Tgt Ion: 43 Resp: 1732

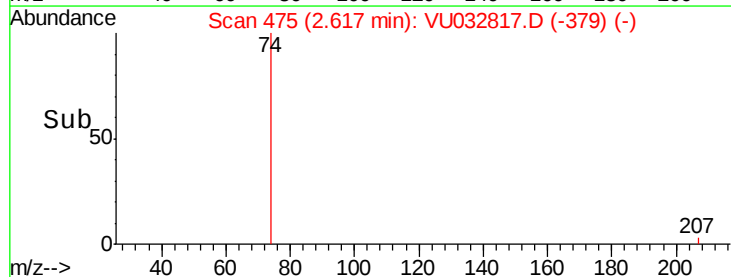
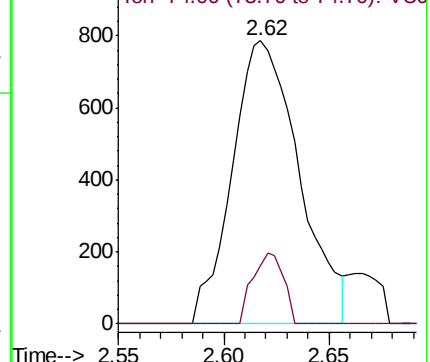
Ion Ratio Lower Upper

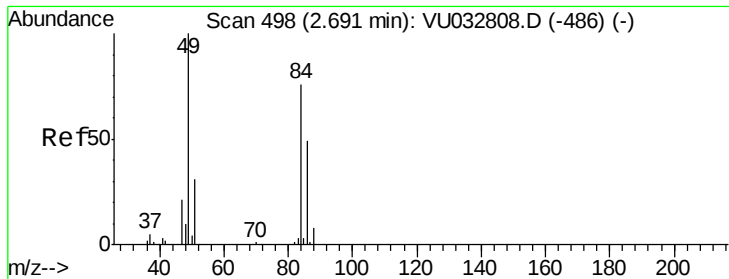
43 100

74 11.5 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VU032808.D (-459) (-)

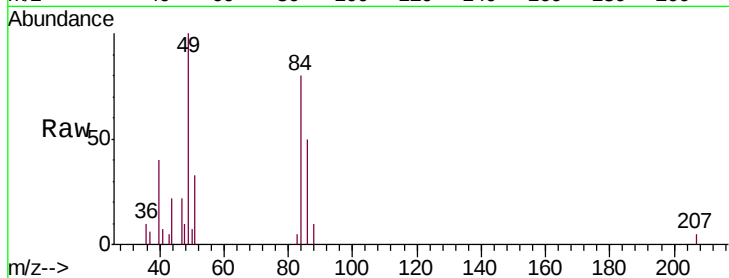




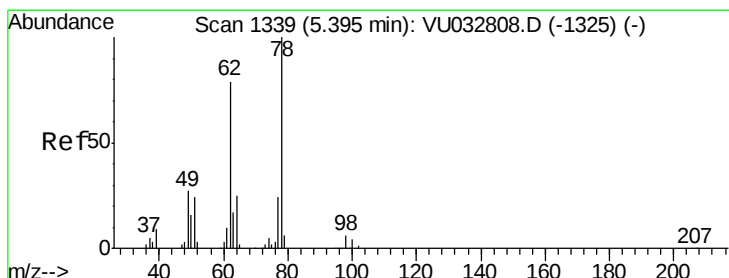
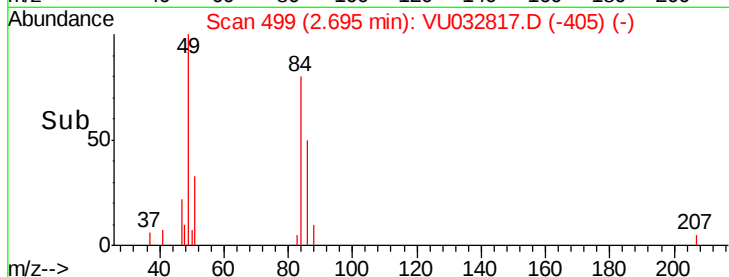
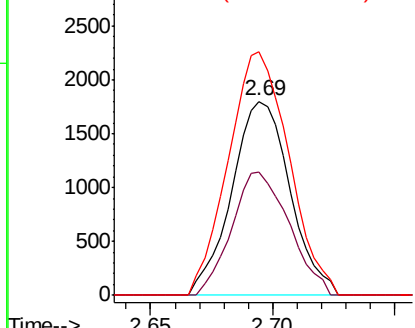
#16
Methylene chloride
Concen: 1.790 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032817.D
Acq: 18 Jun 2019 12:28

Instrument :
MSVOA_U
ClientSampleId :
C0JQ9

Tgt Ion: 84 Resp: 2987
Ion Ratio Lower Upper
84 100
86 63.3 45.5 84.5
49 125.5 92.1 171.1

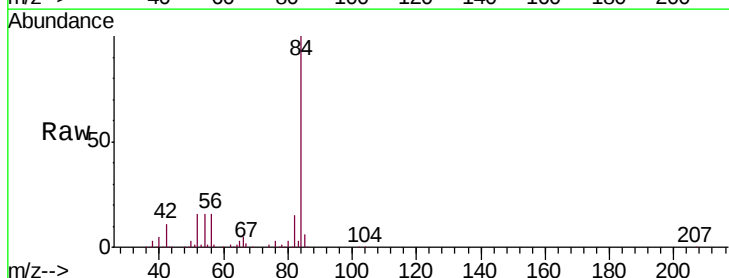


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

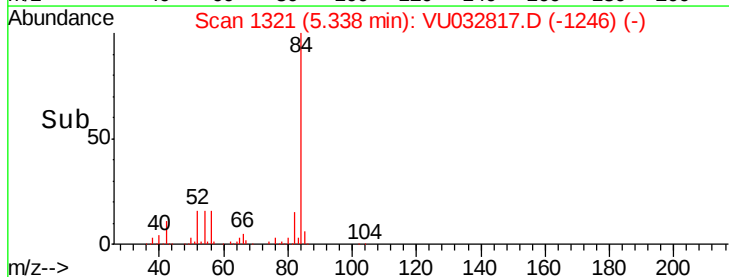
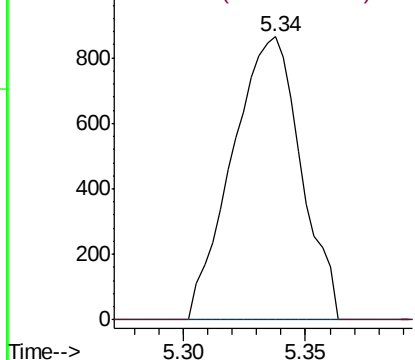


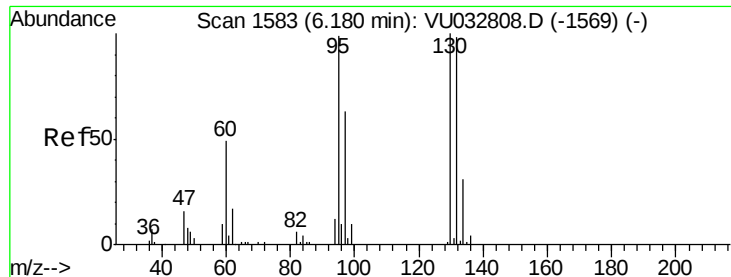
#27
1,2-Dichloroethane
Concen: 0.677 ug/L
RT: 5.34 min Scan# 1321
Delta R.T. -0.06 min
Lab File: VU032817.D
Acq: 18 Jun 2019 12:28

Tgt Ion: 62 Resp: 1687
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

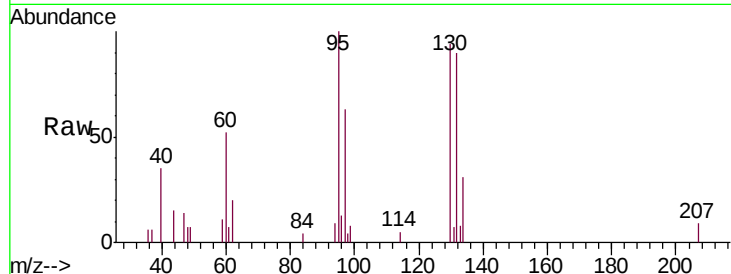




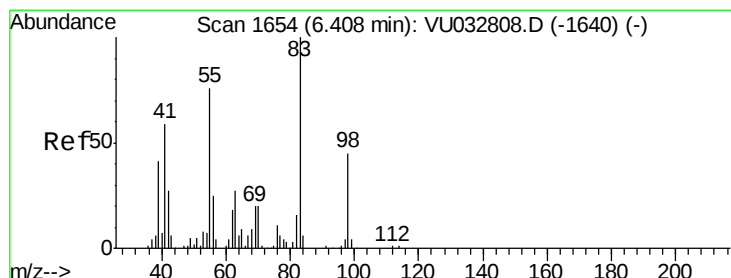
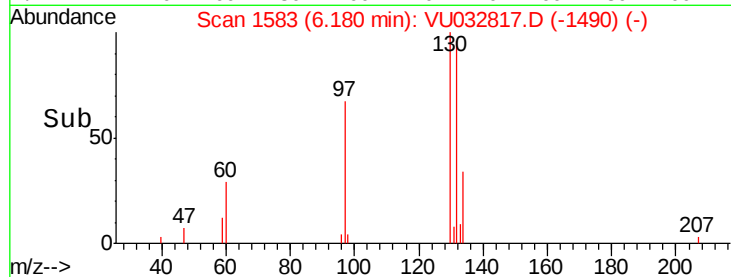
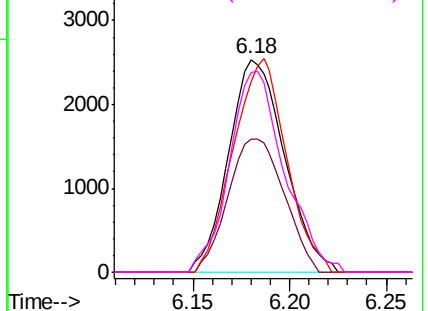
#34
 Trichloroethene
 Concen: 2.994 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU032817.D
 Acq: 18 Jun 2019 12:28

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Tgt Ion: 95 Resp: 5104
 Ion Ratio Lower Upper
 95 100
 97 62.7 45.9 85.3
 132 89.7 68.5 127.3
 130 93.7 70.8 131.4

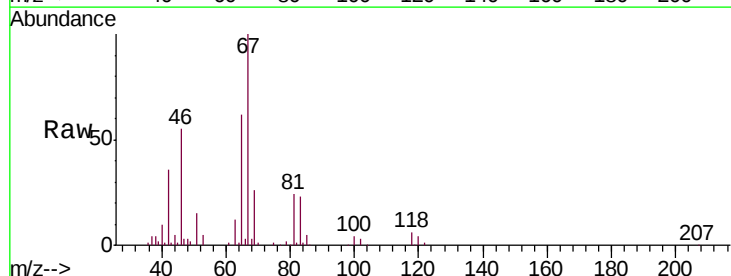


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

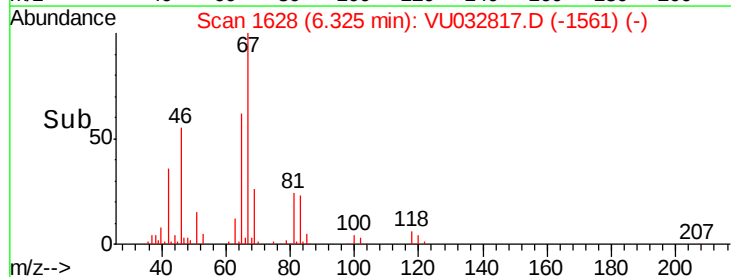
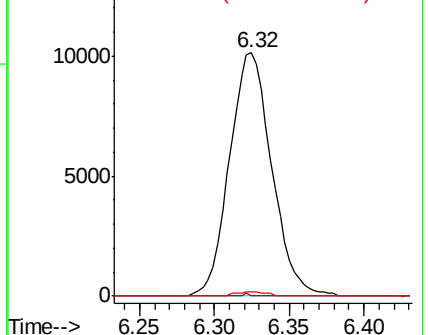


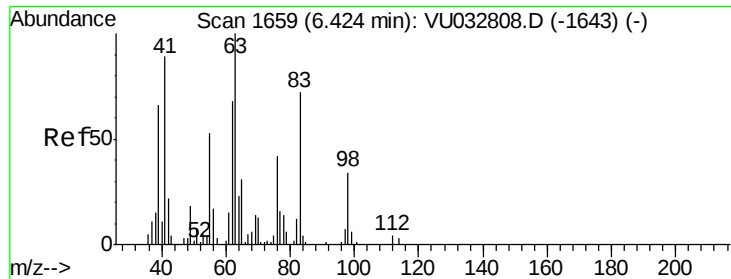
#35
 Methylcyclohexane
 Concen: 7.560 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.08 min
 Lab File: VU032817.D
 Acq: 18 Jun 2019 12:28

Tgt Ion: 83 Resp: 19919
 Ion Ratio Lower Upper
 83 100
 55 1.2 62.6 94.0#
 98 1.2 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

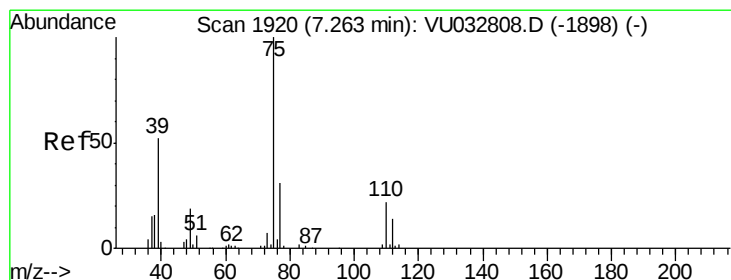
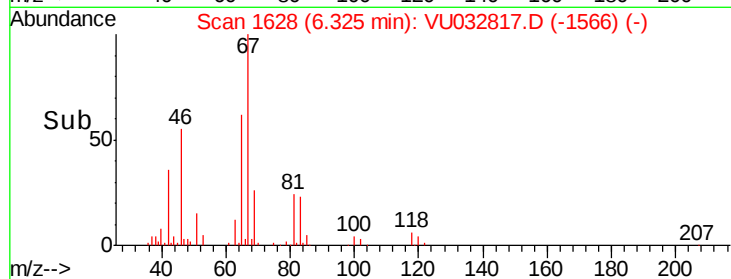
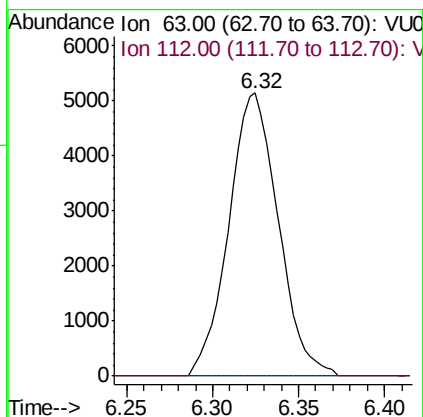
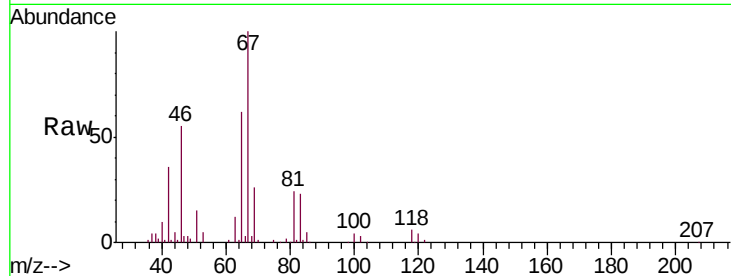




#37
 1,2-Dichloropropane
 Concen: 5.897 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032817.D
 Acq: 18 Jun 2019 12:28

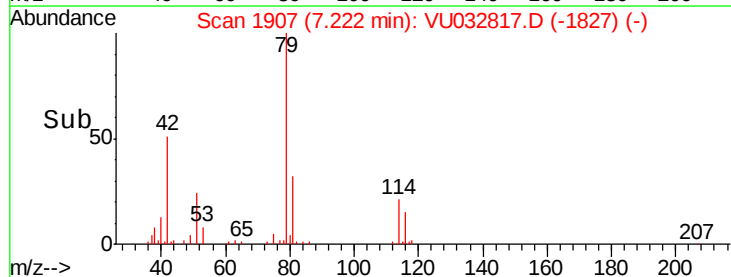
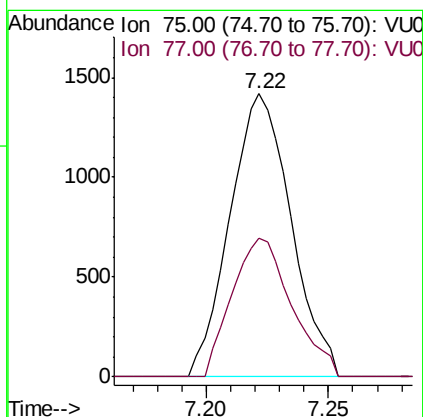
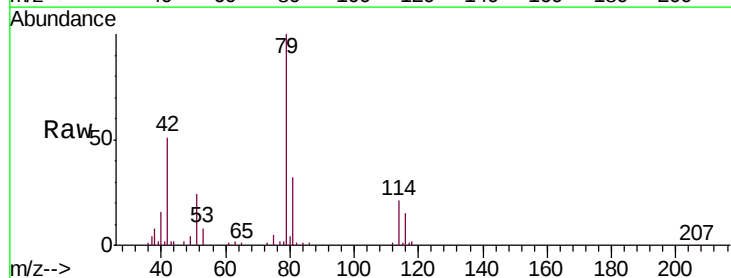
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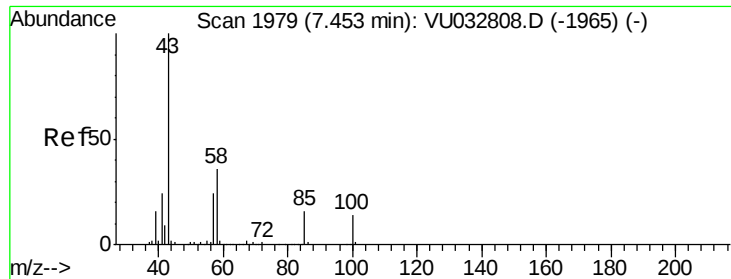
Tgt Ion: 63 Resp: 10320
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.903 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032817.D
 Acq: 18 Jun 2019 12:28

Tgt Ion: 75 Resp: 2463
 Ion Ratio Lower Upper
 75 100
 77 48.9 21.9 40.7#

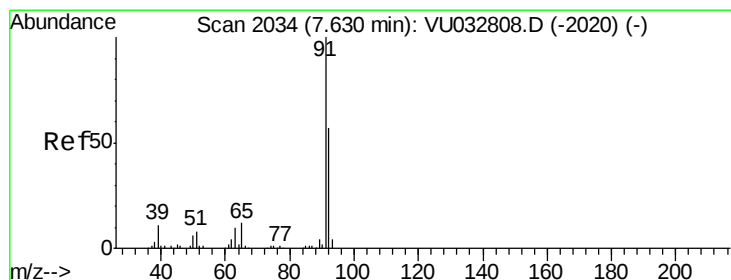
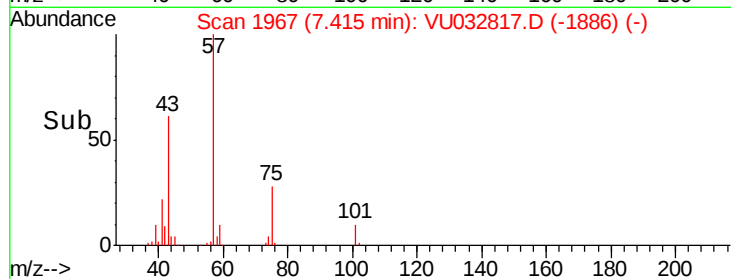
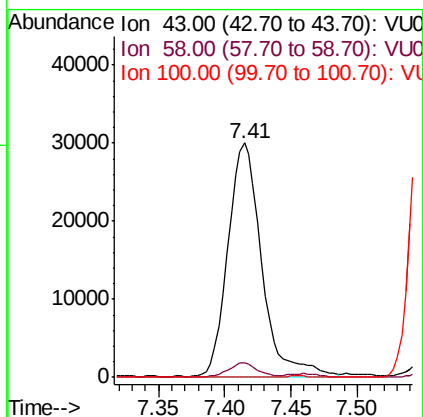
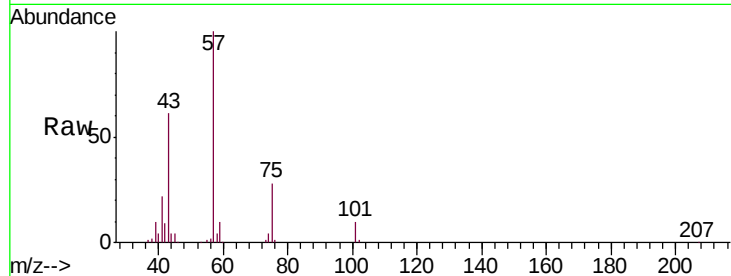




#40
 4-Methyl-2-pentanone
 Concen: 18.908 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. -0.04 min
 Lab File: VU032817.D
 Acq: 18 Jun 2019 12:28

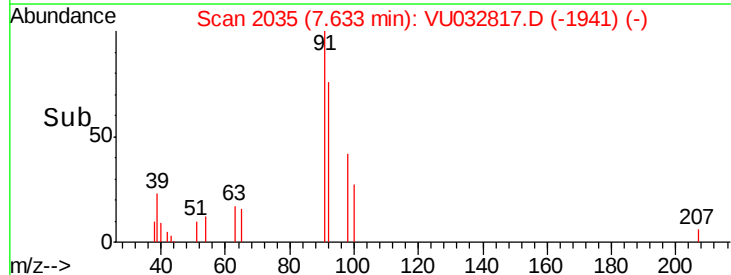
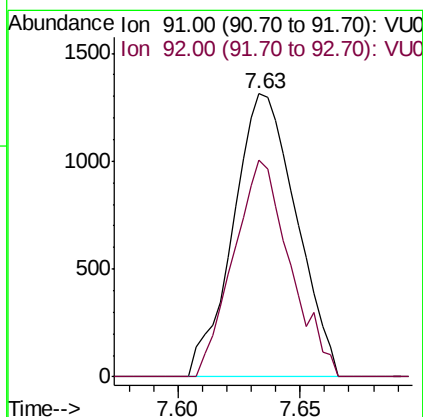
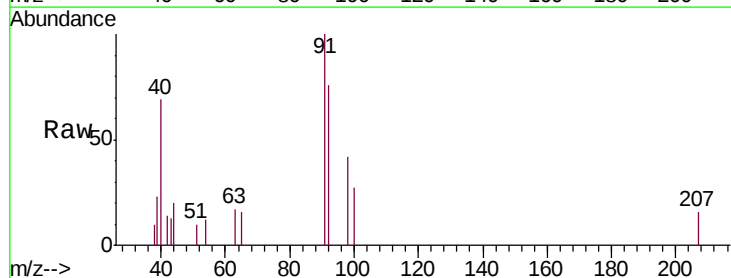
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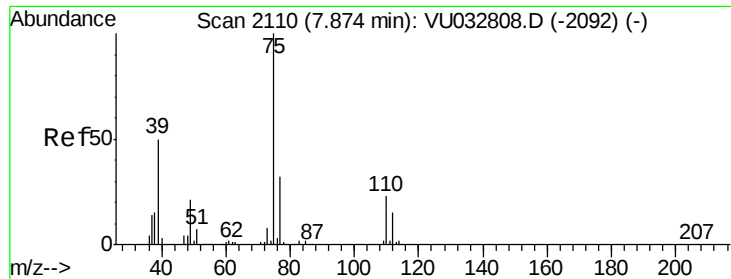
Tgt Ion: 43 Resp: 52826
 Ion Ratio Lower Upper
 43 100
 58 5.5 29.4 44.2#
 100 0.0 11.2 16.8#



#42
 Toluene
 Concen: 0.341 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU032817.D
 Acq: 18 Jun 2019 12:28

Tgt Ion: 91 Resp: 2353
 Ion Ratio Lower Upper
 91 100
 92 76.4 40.4 75.0#





#44

trans-1,3-Dichloropropene

Concen: 0.763 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU032817.D

Acq: 18 Jun 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

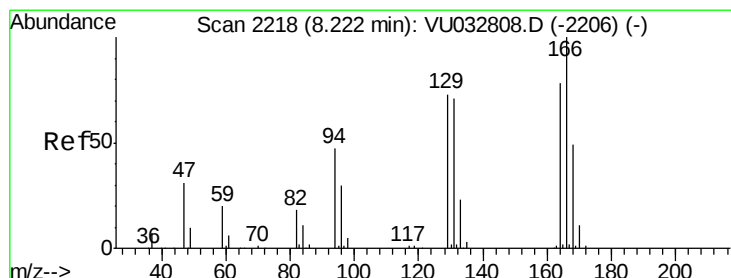
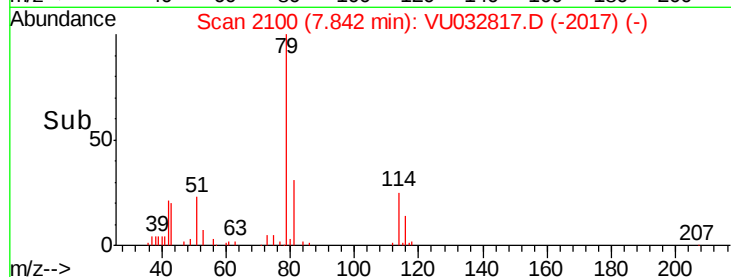
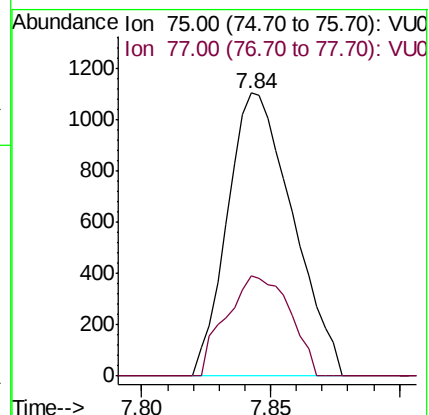
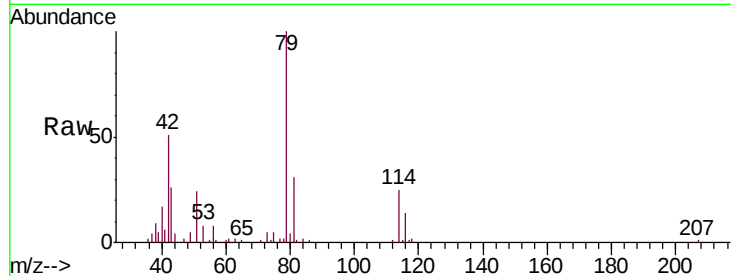
C0JQ9

Tgt Ion: 75 Resp: 1953

Ion Ratio Lower Upper

75 100

77 35.6 21.8 40.4



#46

Tetrachloroethene

Concen: 2.164 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032817.D

Acq: 18 Jun 2019 12:28

Tgt Ion: 164 Resp: 3022

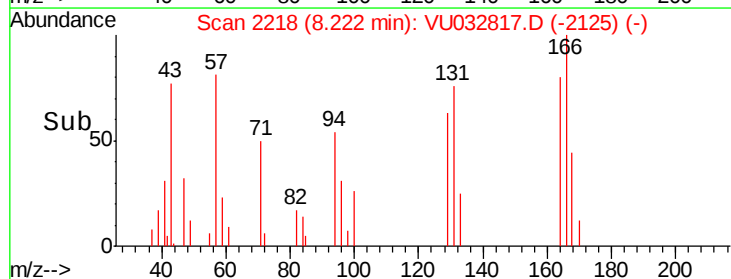
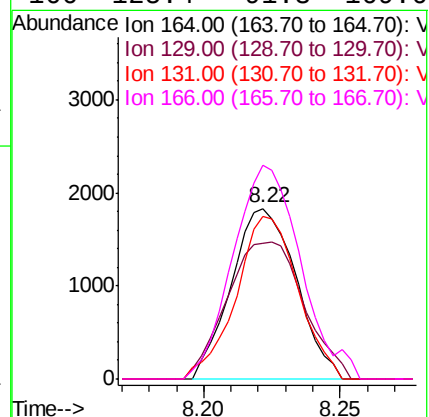
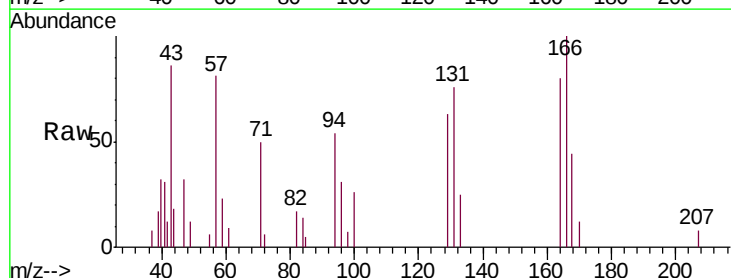
Ion Ratio Lower Upper

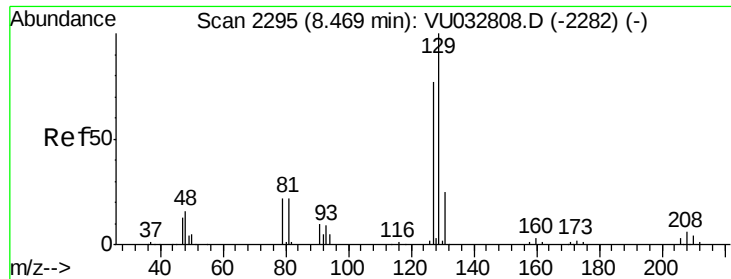
164 100

129 79.5 64.8 120.3

131 95.2 64.5 119.7

166 125.4 91.3 169.6





#49

Dibromochloromethane

Concen: 1.462 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.24 min

Lab File: VU032817.D

Acq: 18 Jun 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

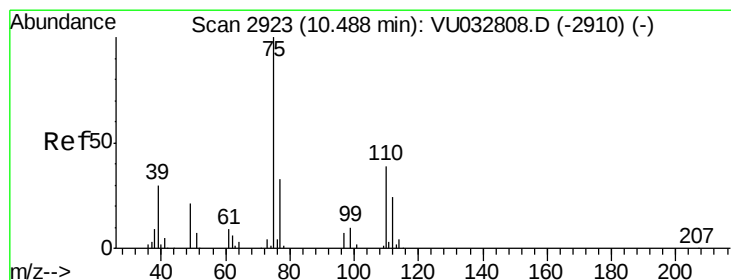
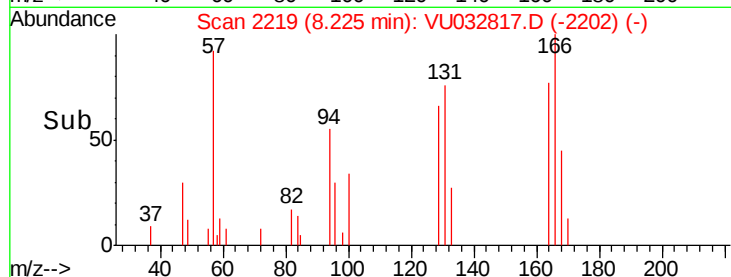
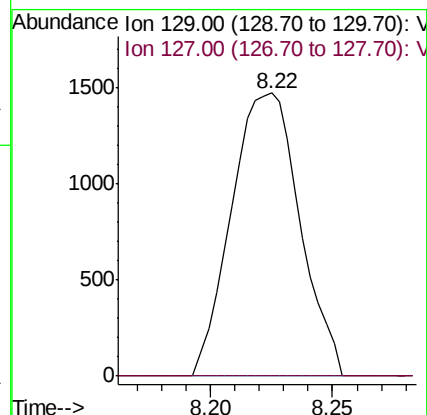
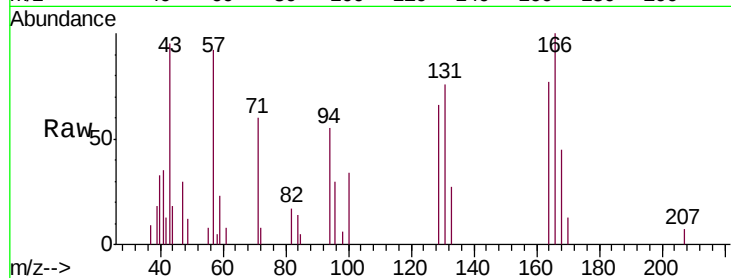
C0JQ9

Tgt Ion:129 Resp: 2870

Ion Ratio Lower Upper

129 100

127 0.0 52.3 97.1#



#59

1,2,3-Trichloropropane

Concen: 6.024 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU032817.D

Acq: 18 Jun 2019 12:28

Tgt Ion: 75 Resp: 14069

Ion Ratio Lower Upper

75 100

77 36.8 25.5 38.3

