

Data File : VU032824.D
Acq On : 18 Jun 2019 15:09
Operator : JC/SP
Sample : K3379-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JT4

Quant Time: Jun 19 01:32:55 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	225918	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	220609	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	110771	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	72609	47.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.06%
7) Chloroethane-d5	1.68	69	60884	49.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.88%
11) 1,1-Dichloroethene-d2	2.27	63	113653	36.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.08%
21) 2-Butanone-d5	4.17	46	147426	114.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.72%
24) Chloroform-d	4.64	84	148346	49.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.84%
26) 1,2-Dichloroethane-d4	5.30	65	101984	51.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.02%
32) Benzene-d6	5.33	84	293275	51.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.32	67	95819	52.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.60%
41) Toluene-d8	7.56	98	273199	50.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.46%
43) trans-1,3-Dichloropropene-	7.84	79	42601	44.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.40%
47) 2-Hexanone-d5	8.31	63	99365	116.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.16%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	138977	49.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	109757	51.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

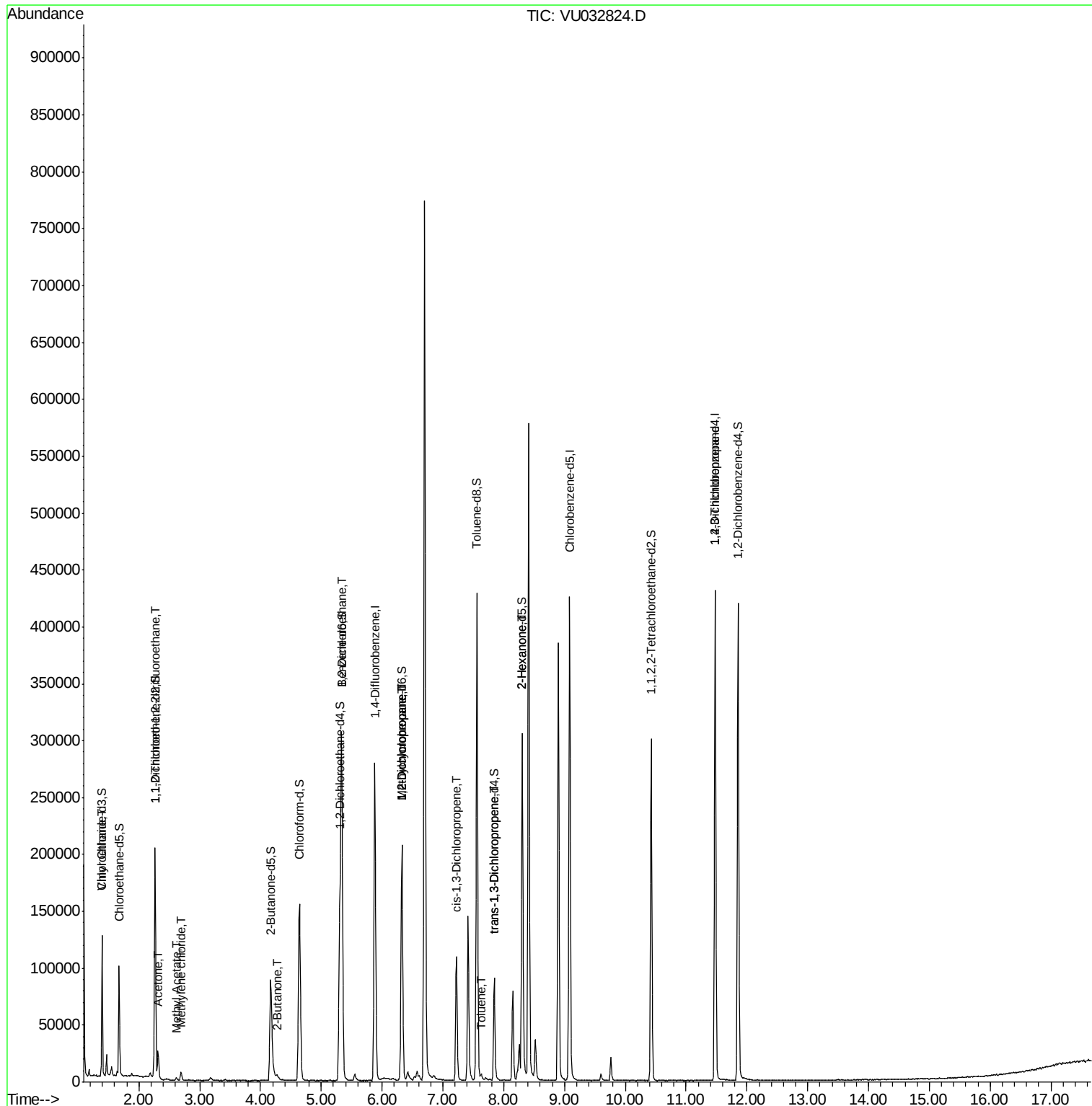
					Qvalue	
8) Chloroethane	1.40	64	1098	0.930	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	876	0.580	ug/L #	17
13) Acetone	2.32	43	24546	13.829	ug/L	99
15) Methyl Acetate	2.62	43	2884	1.433	ug/L #	76
16) Methylene chloride	2.69	84	3127	1.873	ug/L	92
22) 2-Butanone	4.27	43	7106	3.863	ug/L	92
27) 1,2-Dichloroethane	5.33	62	1730	0.694	ug/L #	77
35) Methylcyclohexane	6.32	83	21809	8.309	ug/L #	19
37) 1,2-Dichloropropane	6.32	63	11003	6.312	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	3033	1.117	ug/L #	68
42) Toluene	7.64	91	3160	0.460	ug/L	91
44) trans-1,3-Dichloropropene	7.84	75	2005	0.786	ug/L #	80
48) 2-Hexanone	8.31	43	18054	7.352	ug/L #	63
59) 1,2,3-Trichloropropane	11.48	75	14001	6.018	ug/L	90

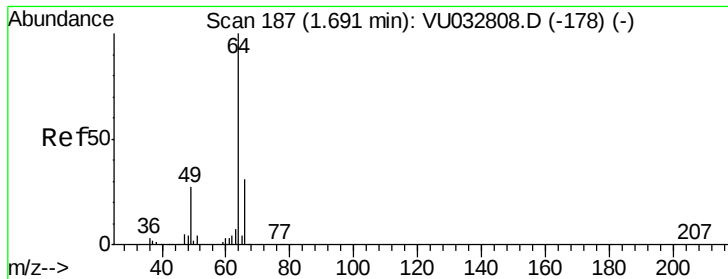
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.930 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU032824.D

Acq: 18 Jun 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

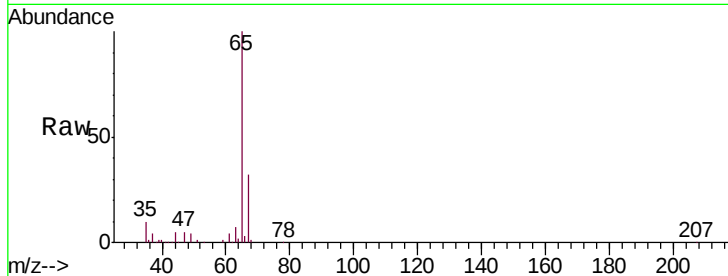
C0JT4

Tgt Ion: 64 Resp: 1098

Ion Ratio Lower Upper

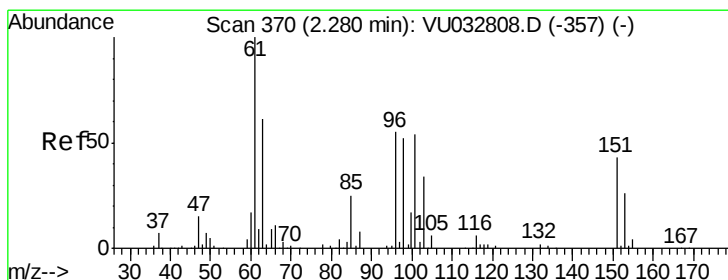
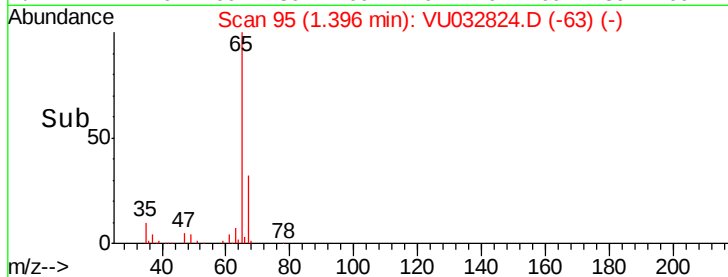
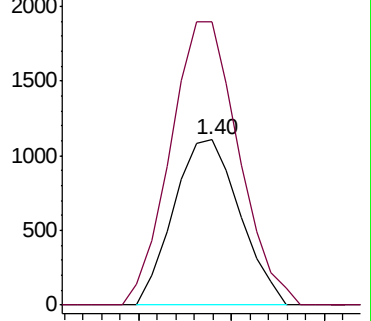
64 100

66 170.8 22.5 41.7#



Abundance Ion 64.00 (63.70 to 64.70): VU032808.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU032808.D (-178) (-)



#10

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

Concen: 0.580 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032824.D

Acq: 18 Jun 2019 15:09

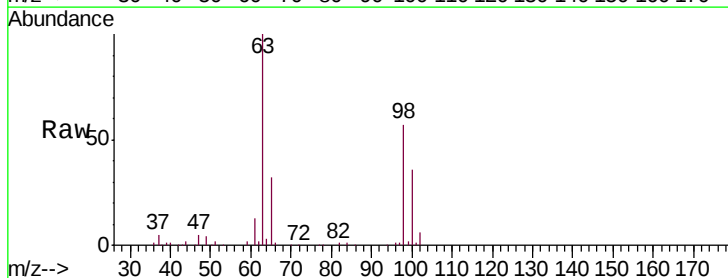
Tgt Ion: 101 Resp: 876

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

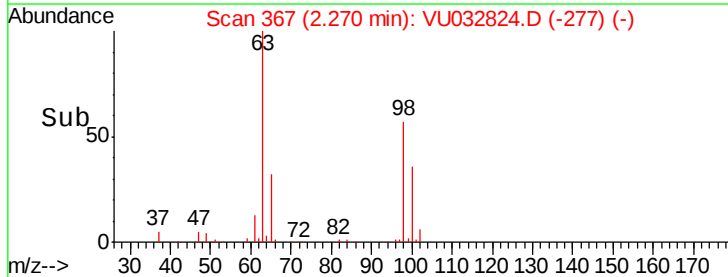
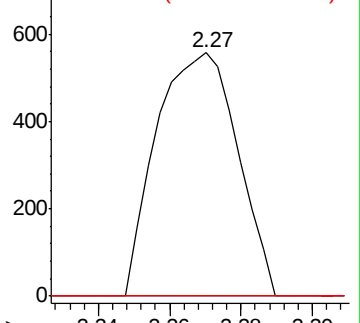
151 0.0 63.6 95.4#

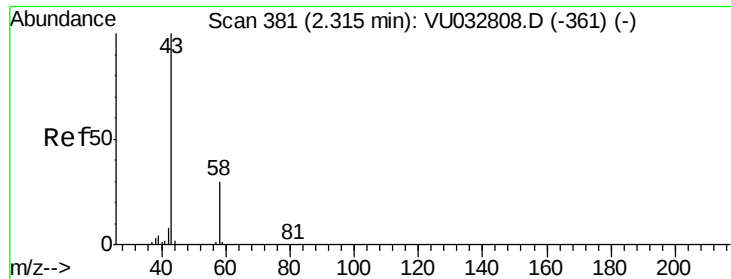


Abundance Ion 101.00 (100.70 to 101.70): VU032808.D (-357) (-)

Ion 85.00 (84.70 to 85.70): VU032808.D (-357) (-)

Ion 151.00 (150.70 to 151.70): VU032808.D (-357) (-)





#13

Acetone

Concen: 13.829 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032824.D

Acq: 18 Jun 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

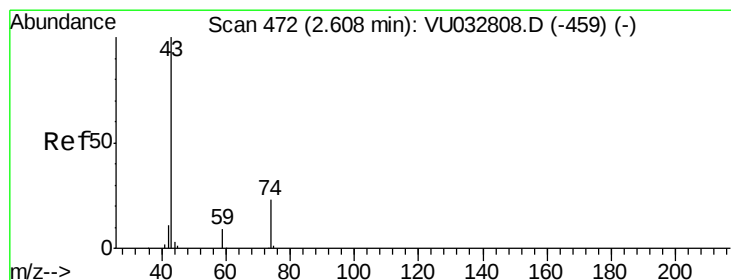
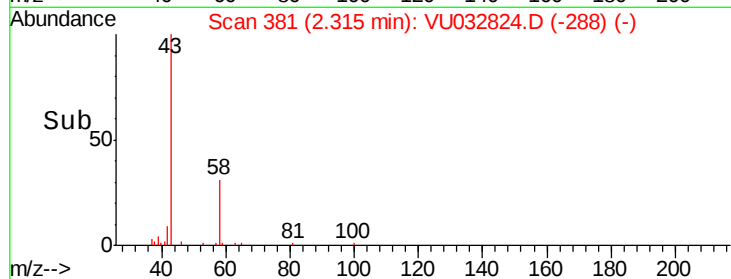
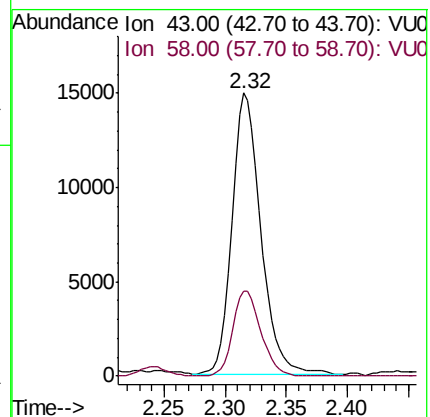
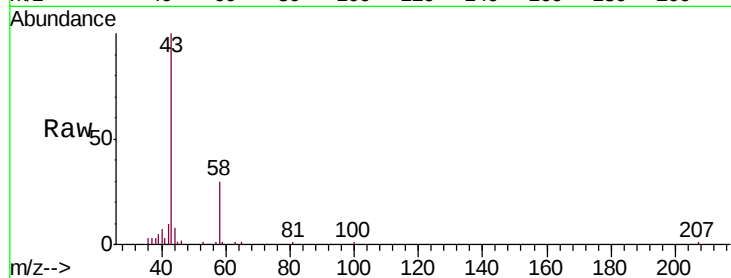
C0JT4

Tgt Ion: 43 Resp: 24546

Ion Ratio Lower Upper

43 100

58 29.5 0.0 60.6



#15

Methyl Acetate

Concen: 1.433 ug/L

RT: 2.62 min Scan# 475

Delta R.T. 0.01 min

Lab File: VU032824.D

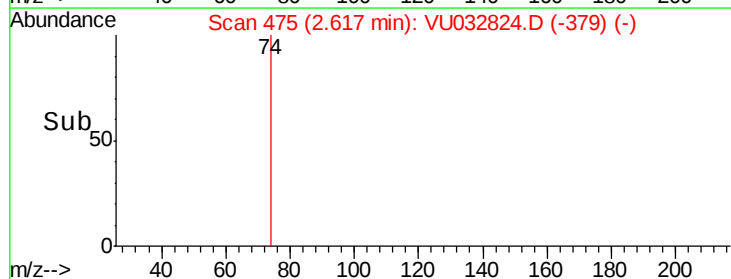
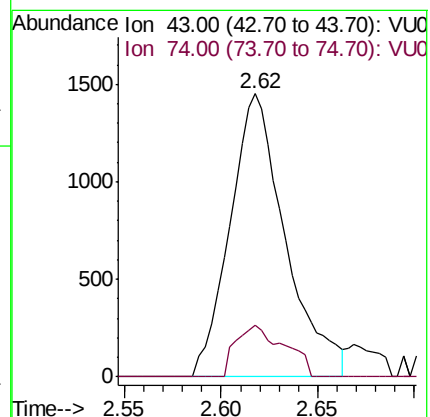
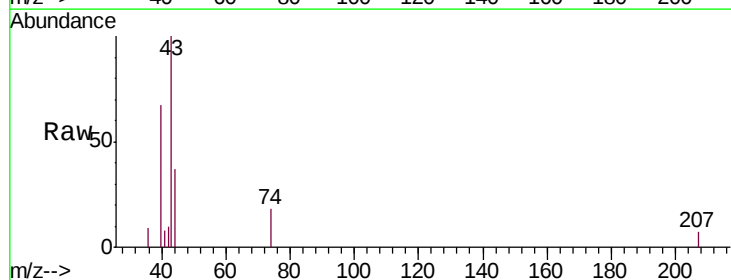
Acq: 18 Jun 2019 15:09

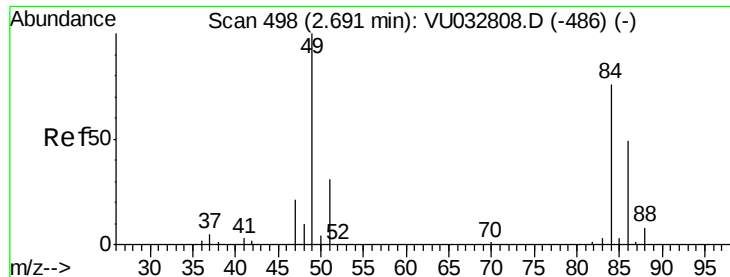
Tgt Ion: 43 Resp: 2884

Ion Ratio Lower Upper

43 100

74 11.0 18.1 27.1#

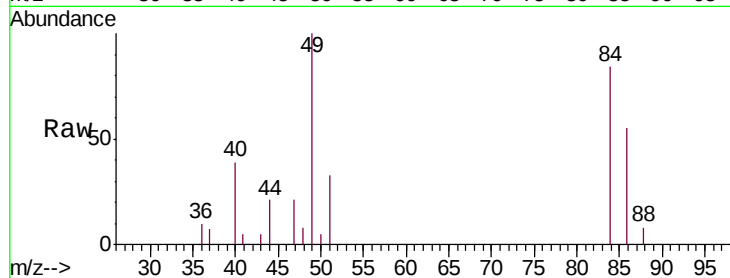




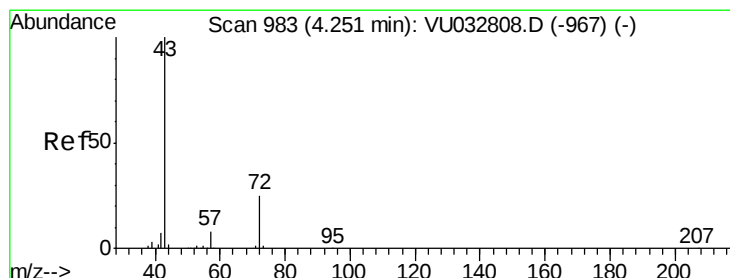
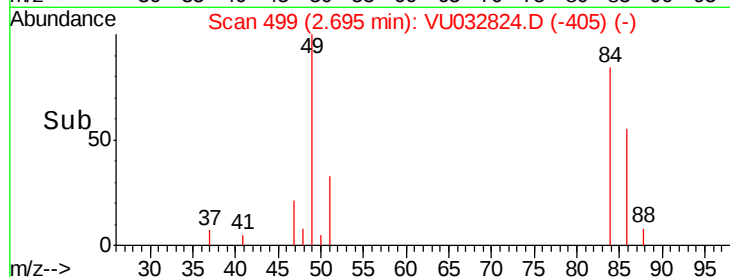
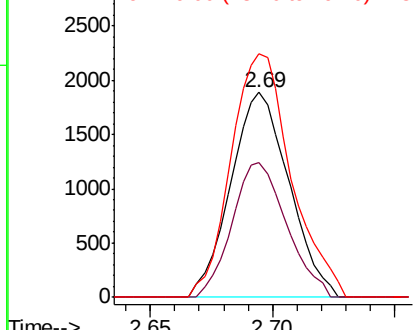
#16
Methylene chloride
Concen: 1.873 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032824.D
Acq: 18 Jun 2019 15:09

Instrument :
MSVOA_U
ClientSampleId :
C0JT4

Tgt Ion: 84 Resp: 3127
Ion Ratio Lower Upper
84 100
86 65.9 45.5 84.5
49 118.8 92.1 171.1

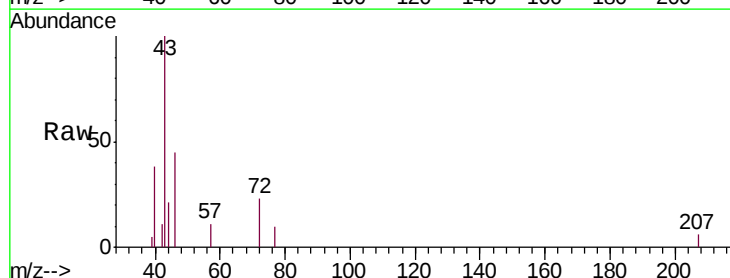


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

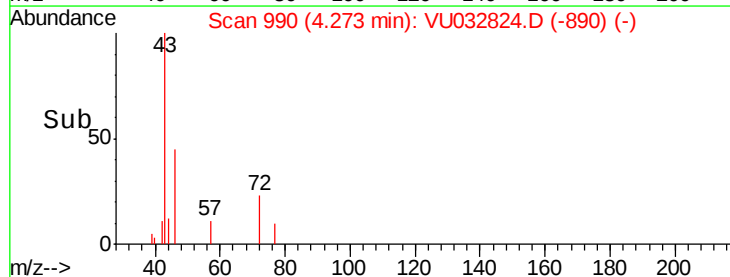
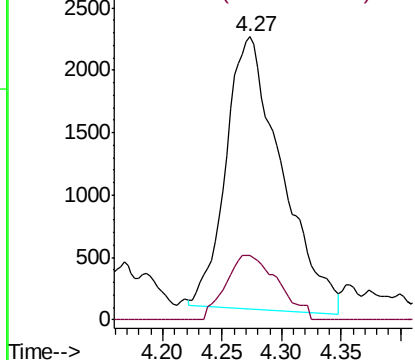


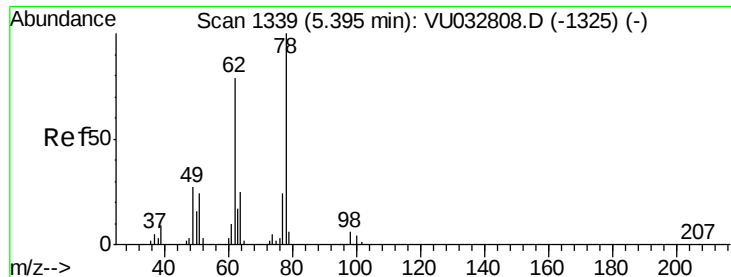
#22
2-Butanone
Concen: 3.863 ug/L
RT: 4.27 min Scan# 990
Delta R.T. 0.02 min
Lab File: VU032824.D
Acq: 18 Jun 2019 15:09

Tgt Ion: 43 Resp: 7106
Ion Ratio Lower Upper
43 100
72 21.6 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 72.00 (71.70 to 72.70): VU0





#27

1,2-Dichloroethane

Concen: 0.694 ug/L

RT: 5.33 min Scan# 1319

Delta R.T. -0.06 min

Lab File: VU032824.D

Acq: 18 Jun 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

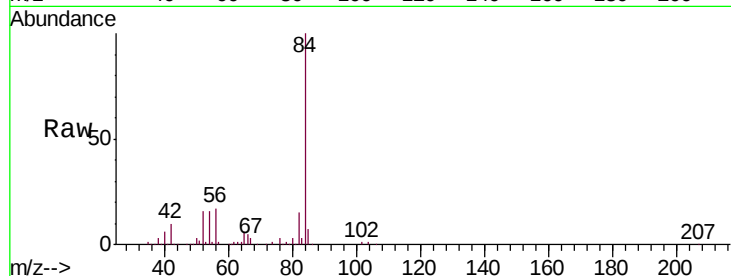
C0JT4

Tgt Ion: 62 Resp: 1730

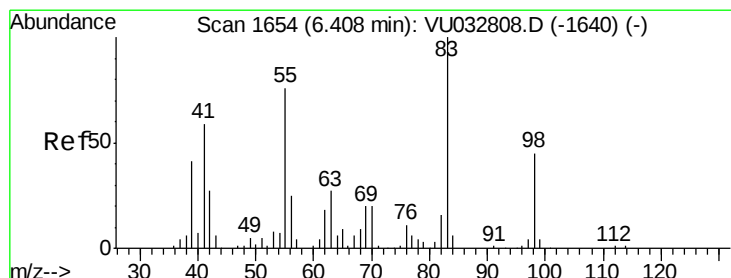
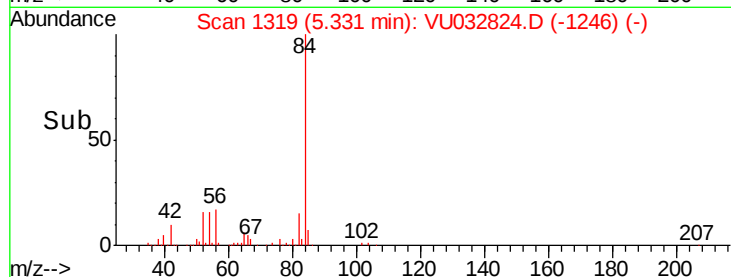
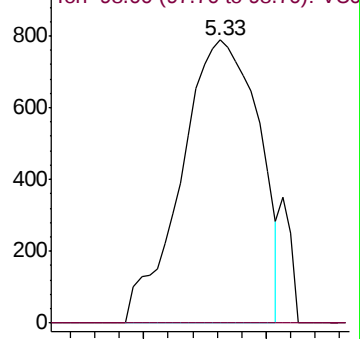
Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU032808.D (-1325) (-)



#35

Methylcyclohexane

Concen: 8.309 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032824.D

Acq: 18 Jun 2019 15:09

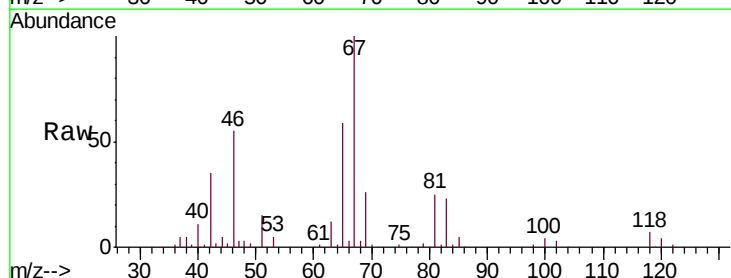
Tgt Ion: 83 Resp: 21809

Ion Ratio Lower Upper

83 100

55 0.9 62.6 94.0#

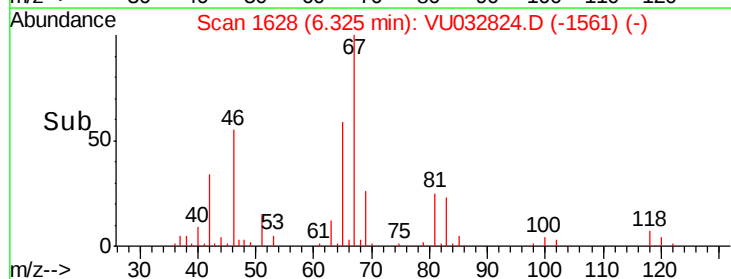
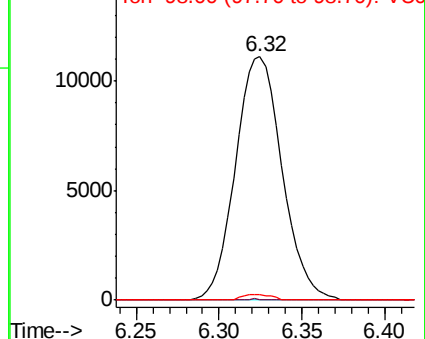
98 1.4 37.4 56.0#

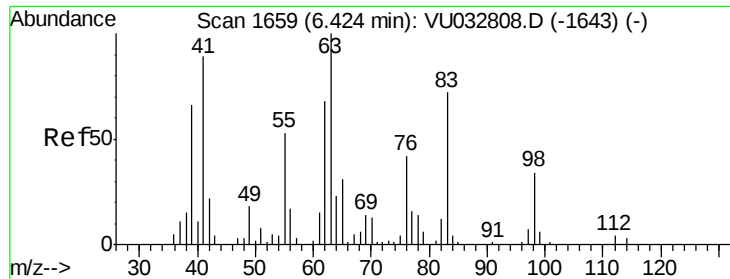


Abundance Ion 83.00 (82.70 to 83.70): VU032808.D (-1640) (-)

Ion 55.00 (54.70 to 55.70): VU032808.D (-1640) (-)

Ion 98.00 (97.70 to 98.70): VU032808.D (-1640) (-)

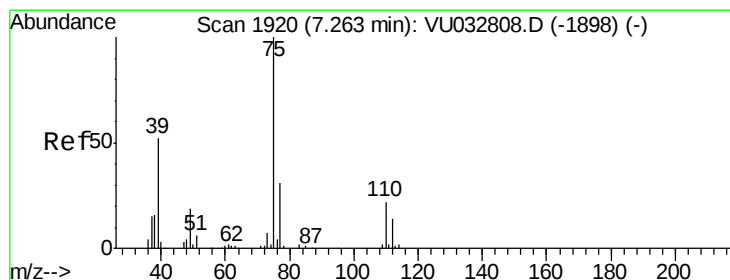
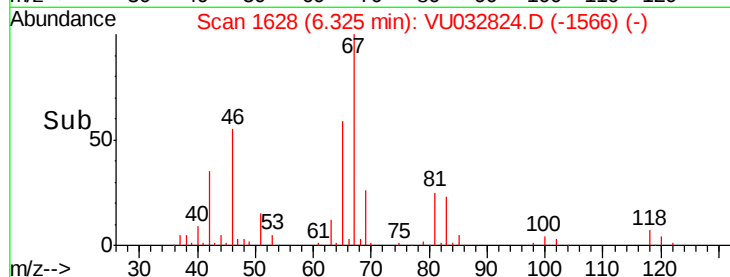
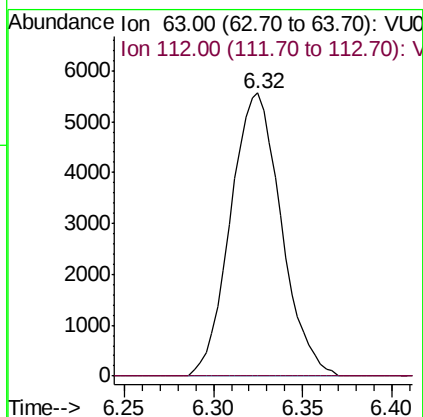
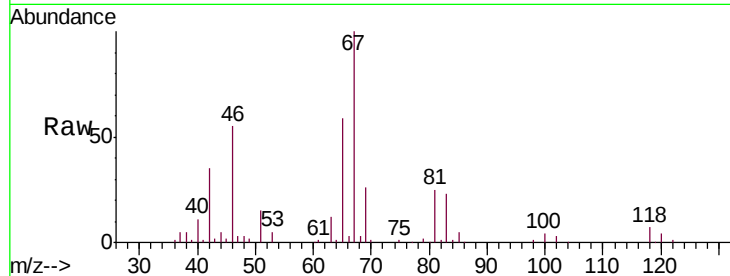




#37
 1,2-Dichloropropane
 Concen: 6.312 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032824.D
 Acq: 18 Jun 2019 15:09

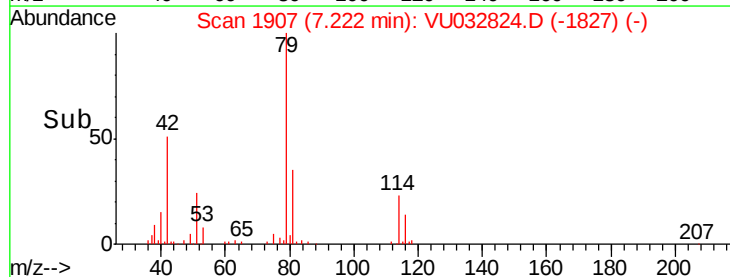
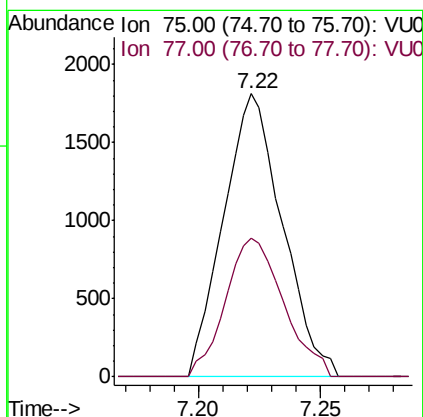
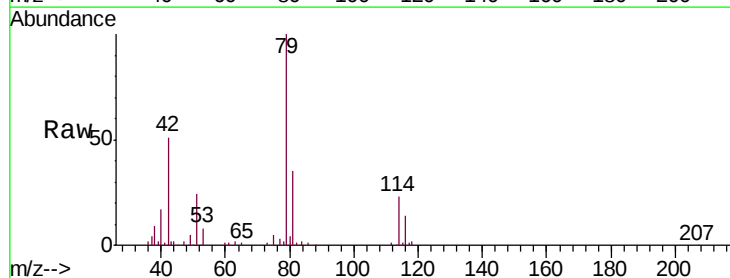
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JT4

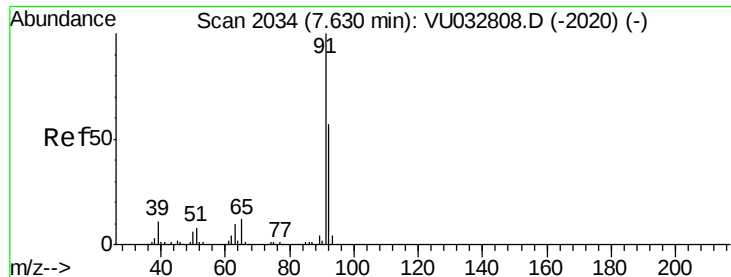
Tgt Ion: 63 Resp: 11003
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.117 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032824.D
 Acq: 18 Jun 2019 15:09

Tgt Ion: 75 Resp: 3033
 Ion Ratio Lower Upper
 75 100
 77 48.9 21.9 40.7#





#42

Toluene

Concen: 0.460 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VU032824.D

Acq: 18 Jun 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

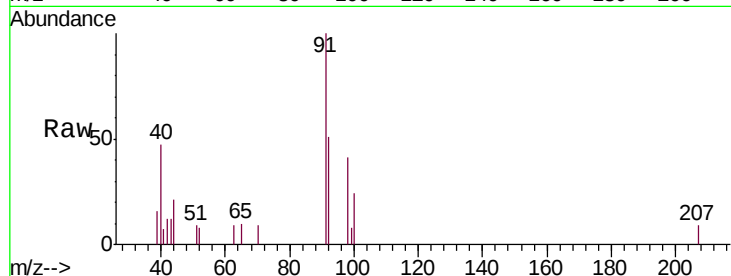
C0JT4

Tgt Ion: 91 Resp: 3160

Ion Ratio Lower Upper

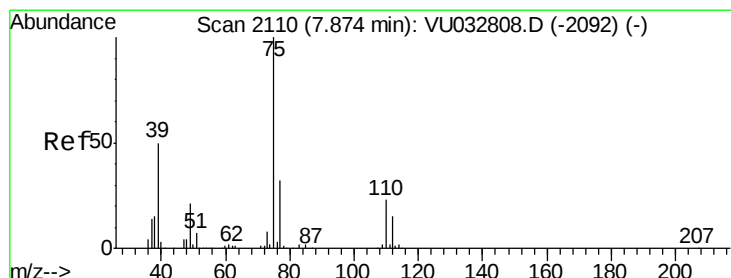
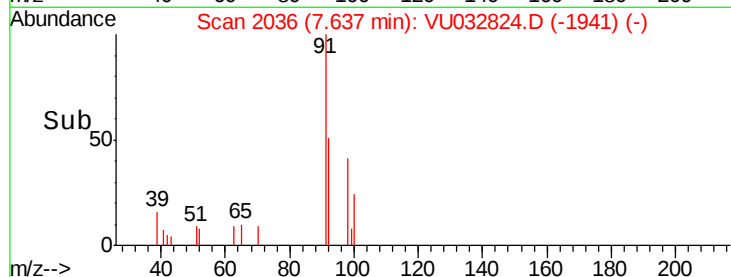
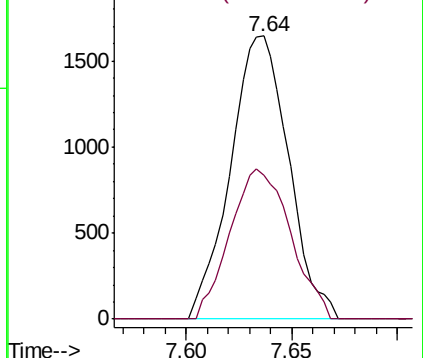
91 100

92 50.8 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU032808.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU032808.D (-2020) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.786 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU032824.D

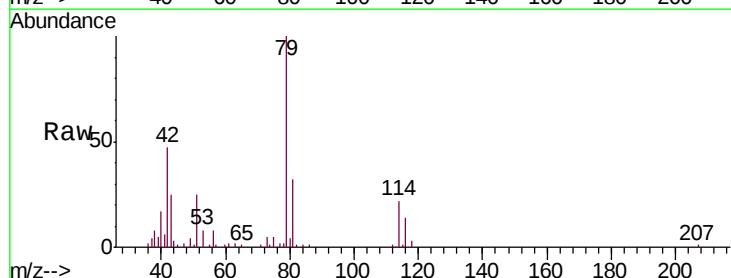
Acq: 18 Jun 2019 15:09

Tgt Ion: 75 Resp: 2005

Ion Ratio Lower Upper

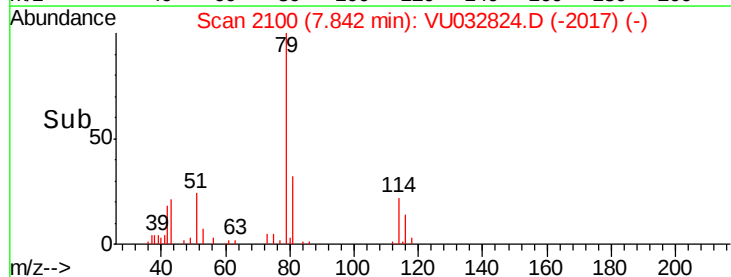
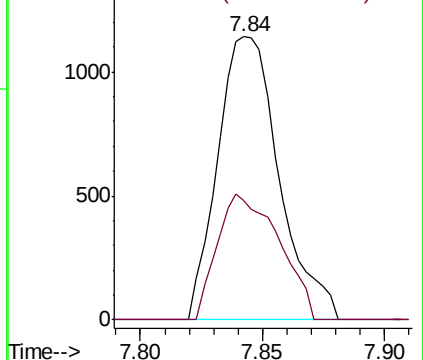
75 100

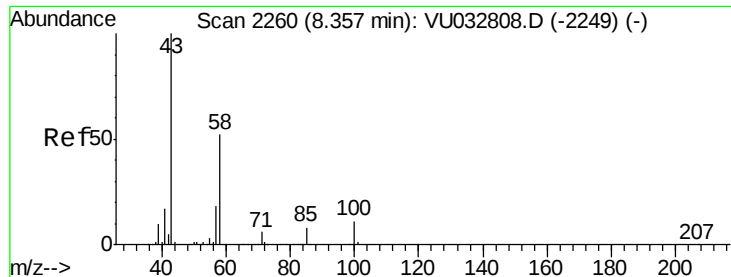
77 42.2 21.8 40.4#



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

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





#48

2-Hexanone

Concen: 7.352 ug/L

RT: 8.31 min Scan# 2244

Delta R.T. -0.05 min

Lab File: VU032824.D

Acq: 18 Jun 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

C0JT4

Tgt Ion: 43 Resp: 18054

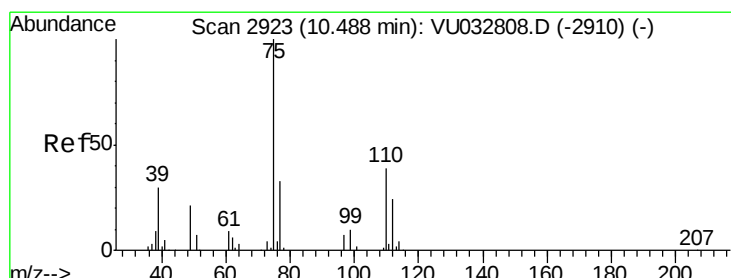
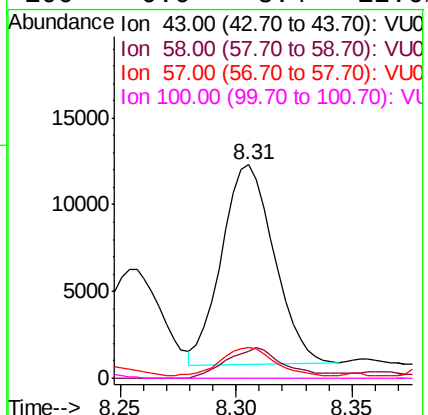
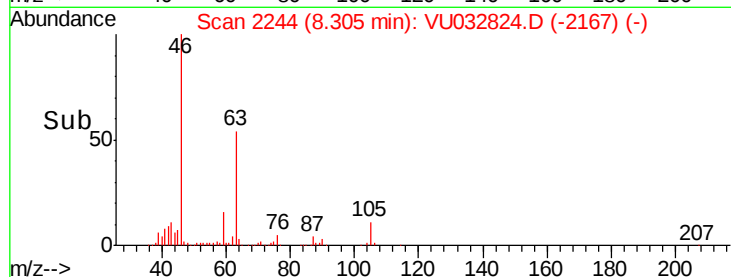
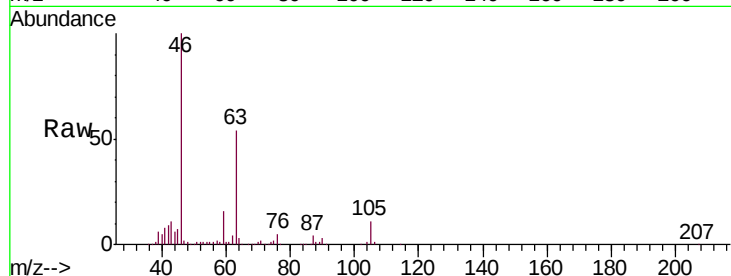
Ion Ratio Lower Upper

43 100

58 17.1 40.2 60.2#

57 13.7 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: VU032824.D

Acq: 18 Jun 2019 15:09

Tgt Ion: 75 Resp: 14001

Ion Ratio Lower Upper

75 100

77 37.7 25.5 38.3

