

Data File : VU032805.D
Acq On : 17 Jun 2019 23:56
Operator : JC/SP
Sample : K3363-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JT6

Quant Time: Jun 18 02:46:40 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	225423	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	223128	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	111088	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	75732	49.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.32%
7) Chloroethane-d5	1.68	69	62006	50.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.94%
11) 1,1-Dichloroethene-d2	2.27	63	161762	52.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.24%
21) 2-Butanone-d5	4.17	46	157220	122.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.61%
24) Chloroform-d	4.64	84	145970	48.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.48%
26) 1,2-Dichloroethane-d4	5.30	65	103224	51.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.48%
32) Benzene-d6	5.33	84	294896	50.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.32	67	95522	51.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.10%
41) Toluene-d8	7.56	98	274445	50.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.76%
43) trans-1,3-Dichloropropene-	7.84	79	46022	47.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.50%
47) 2-Hexanone-d5	8.31	63	105235	121.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.63%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	141898	49.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.08%
64) 1,2-Dichlorobenzene-d4	11.85	152	112828	52.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.98%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	62096	30.335 ug/L	99
8) Chloroethane	1.40	64	20983	17.807 ug/L #	55
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1327	0.881 ug/L #	17
12) 1,1-Dichloroethene	2.28	96	80785	56.909 ug/L	97
13) Acetone	2.32	43	10010	5.652 ug/L	99
15) Methyl Acetate	2.62	43	3440	1.713 ug/L #	89
16) Methylene chloride	2.70	84	2220	1.333 ug/L	83
17) trans-1,2-Dichloroethene	2.98	96	106244	69.017 ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	3217403	1918.543 ug/L	95
34) Trichloroethene	6.18	95	890845	518.716 ug/L	99
35) Methylcyclohexane	6.32	83	22067	8.313 ug/L #	19
37) 1,2-Dichloropropane	6.32	63	10952	6.211 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	3205	1.167 ug/L #	66
42) Toluene	7.63	91	3193	0.459 ug/L	96
44) trans-1,3-Dichloropropene	7.84	75	2293	0.889 ug/L #	83
48) 2-Hexanone	8.41	43	71678	28.860 ug/L #	1
59) 1,2,3-Trichloropropane	11.48	75	14126	6.003 ug/L	89

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

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Quant Title : VOC Analysis
QLast Update : Tue Jun 18 02:39:23 2019
Response via : Initial Calibration

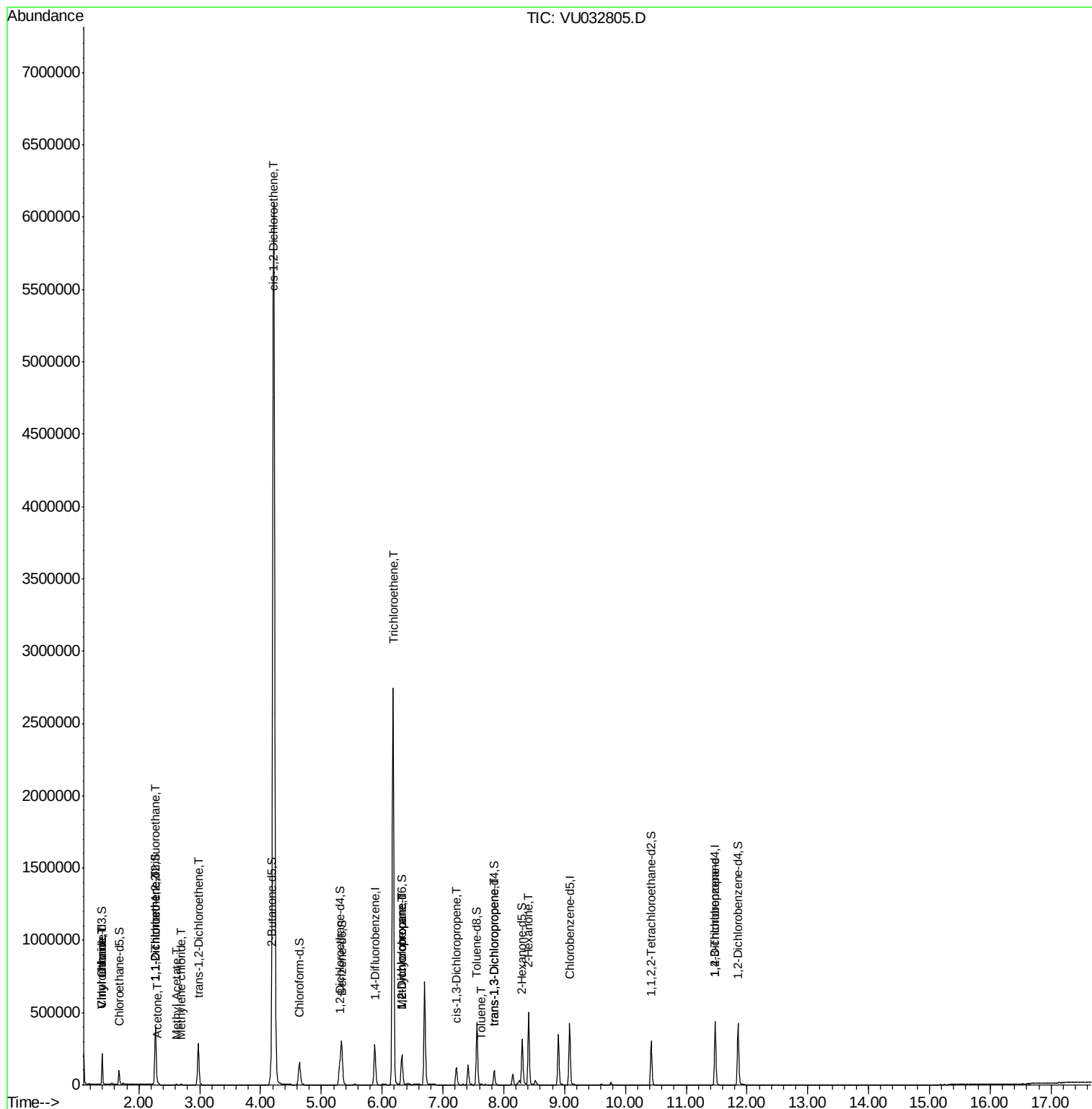
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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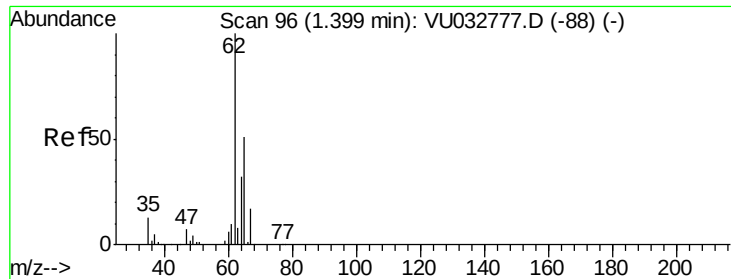
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 30.335 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032805.D

Acq: 17 Jun 2019 23:56

Instrument :

MSVOA_U

ClientSampleId :

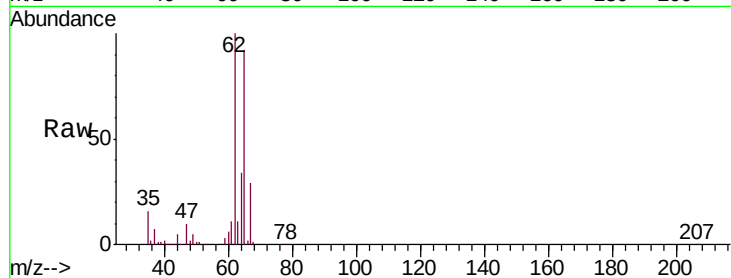
C0JT6

Tgt Ion: 62 Resp: 62096

Ion Ratio Lower Upper

62 100

64 33.6 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU032777.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU032777.D (-88) (-)

1.40

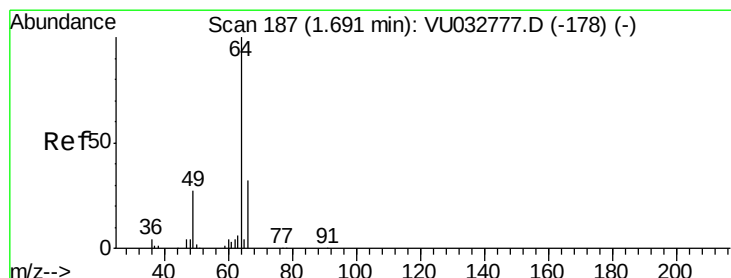
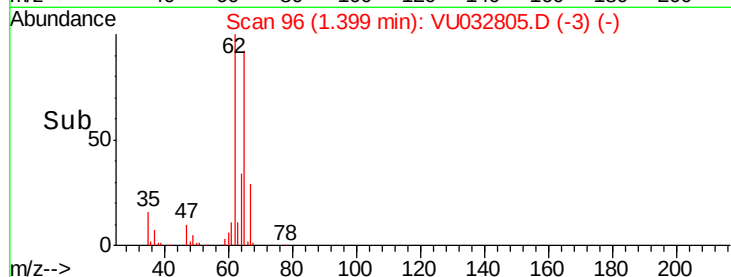
60000

40000

20000

0

Time--> 1.35 1.40 1.45



#8

Chloroethane

Concen: 17.807 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.29 min

Lab File: VU032805.D

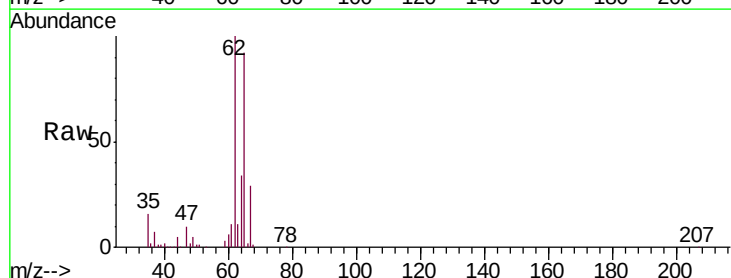
Acq: 17 Jun 2019 23:56

Tgt Ion: 64 Resp: 20983

Ion Ratio Lower Upper

64 100

66 7.1 22.5 41.7#



Abundance Ion 64.00 (63.70 to 64.70): VU032777.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU032777.D (-178) (-)

1.40

25000

20000

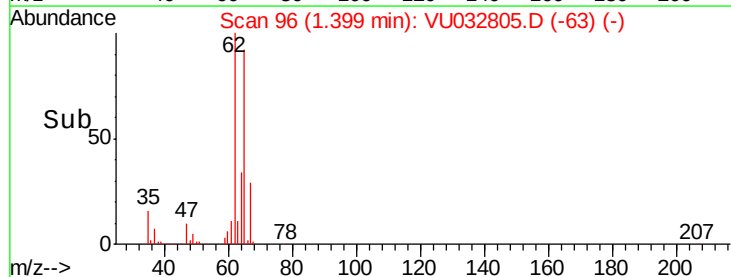
15000

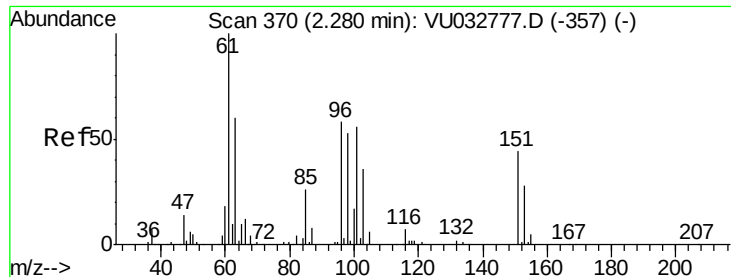
10000

5000

0

Time--> 1.35 1.40 1.45





#10

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

Concen: 0.881 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU032805.D

Acq: 17 Jun 2019 23:56

Instrument :

MSVOA_U

ClientSampleId :

C0JT6

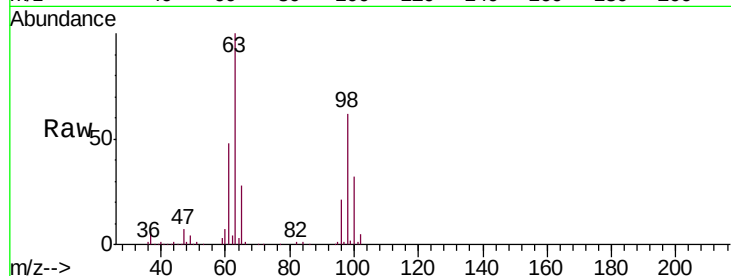
Tgt Ion: 101 Resp: 1327

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

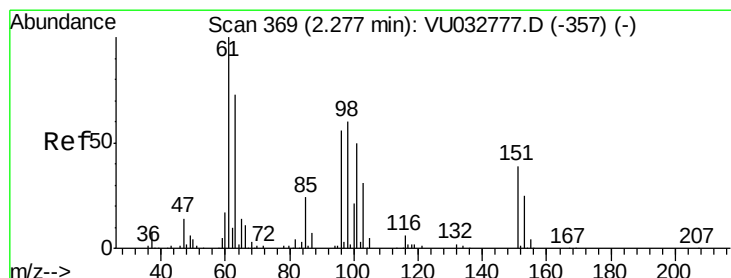
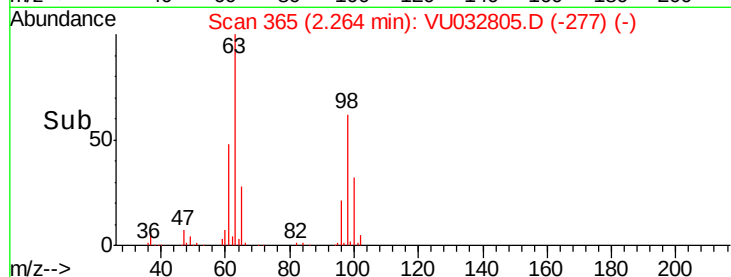
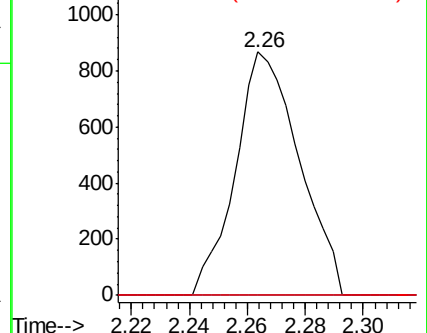
151 0.0 63.6 95.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 56.909 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032805.D

Acq: 17 Jun 2019 23:56

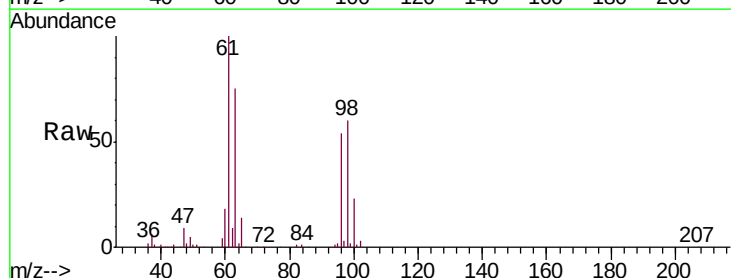
Tgt Ion: 96 Resp: 80785

Ion Ratio Lower Upper

96 100

61 184.8 131.0 243.4

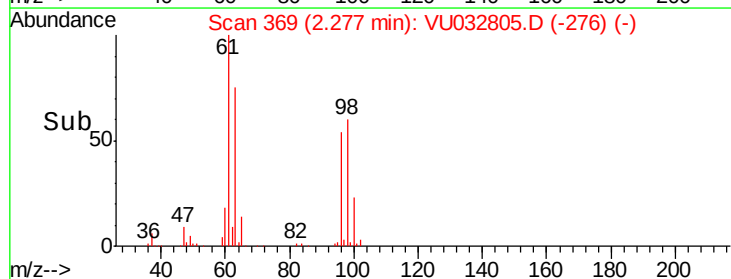
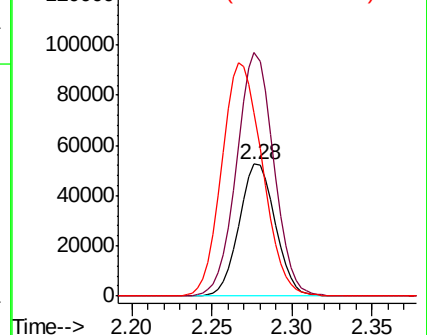
63 138.9 101.0 187.6

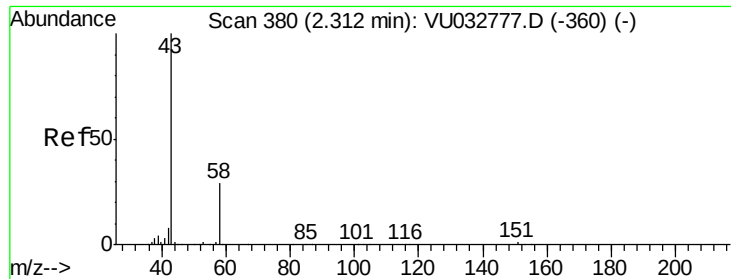


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.652 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032805.D

Acq: 17 Jun 2019 23:56

Instrument :

MSVOA_U

ClientSampleId :

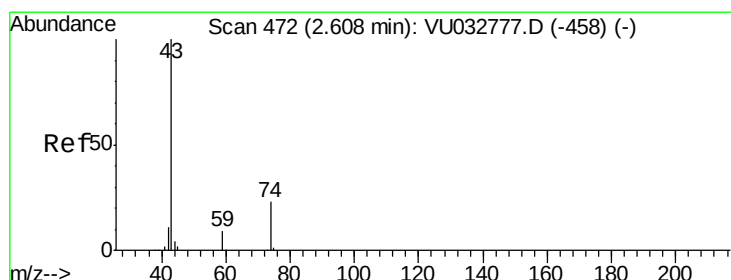
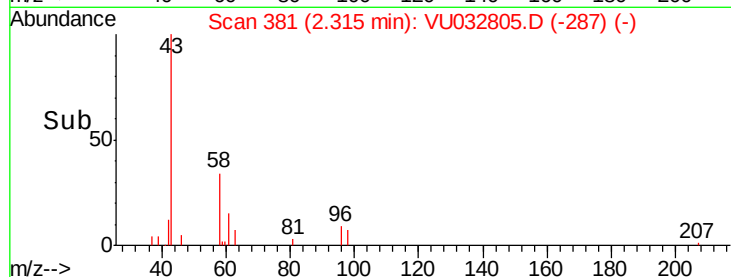
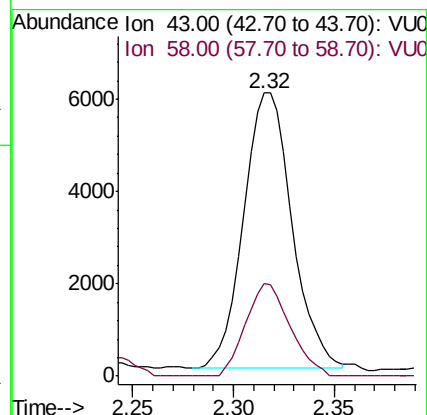
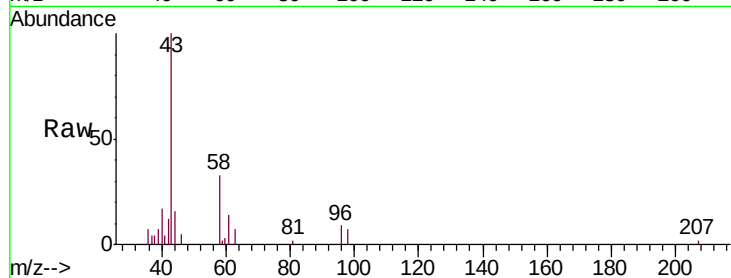
C0JT6

Tgt Ion: 43 Resp: 10010

Ion Ratio Lower Upper

43 100

58 30.8 0.0 60.6



#15

Methyl Acetate

Concen: 1.713 ug/L

RT: 2.62 min Scan# 475

Delta R.T. 0.01 min

Lab File: VU032805.D

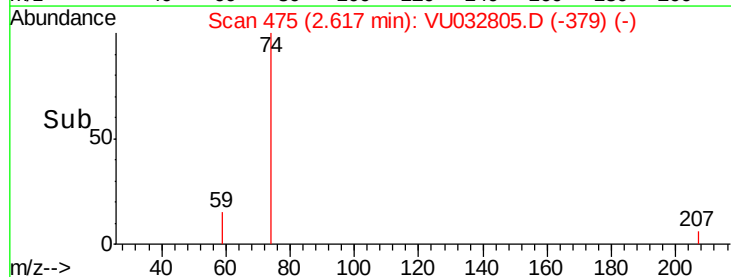
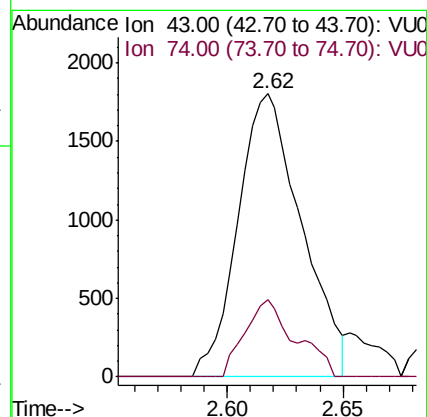
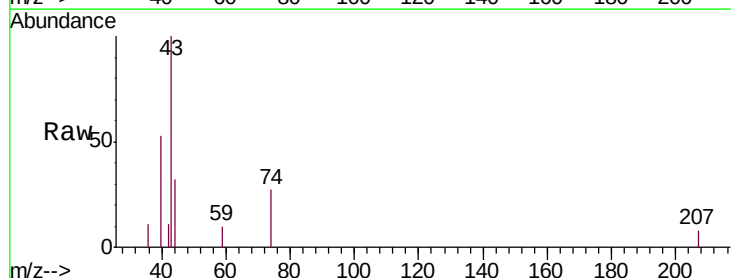
Acq: 17 Jun 2019 23:56

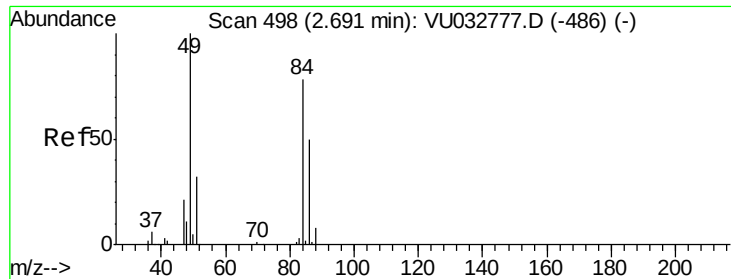
Tgt Ion: 43 Resp: 3440

Ion Ratio Lower Upper

43 100

74 17.5 18.1 27.1#

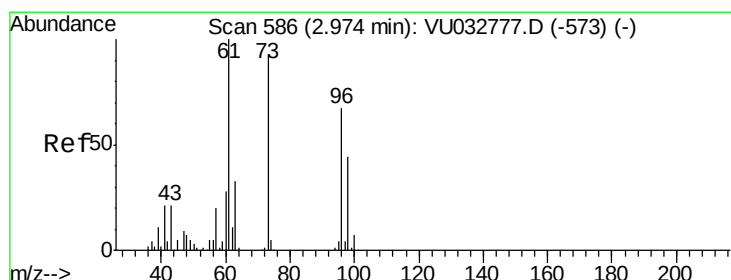
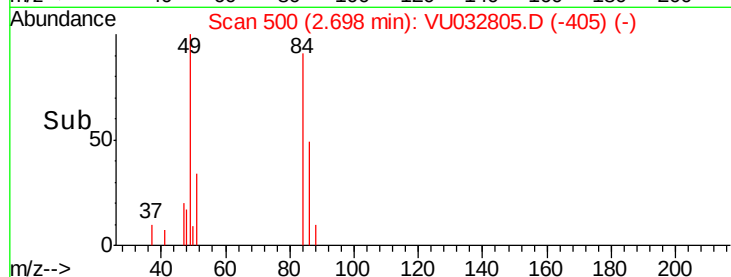
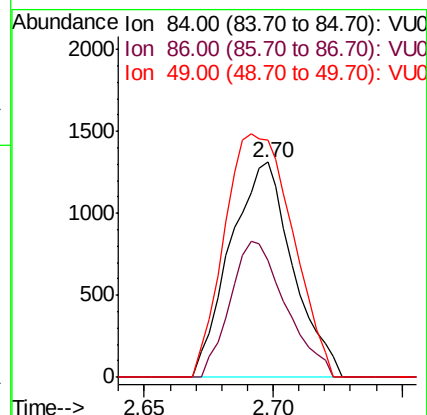
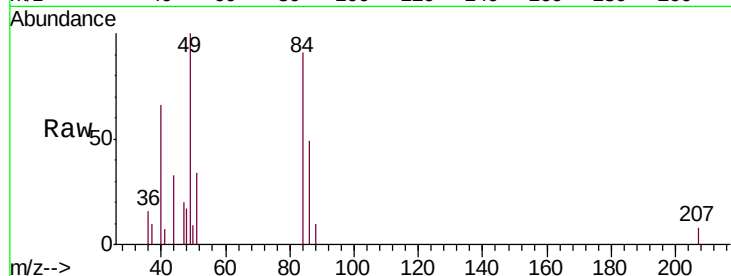




#16
Methylene chloride
Concen: 1.333 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.01 min
Lab File: VU032805.D
Acq: 17 Jun 2019 23:56

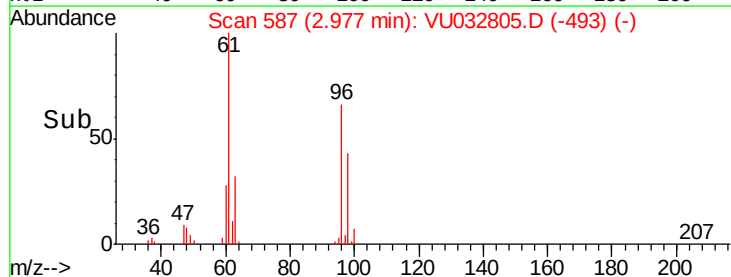
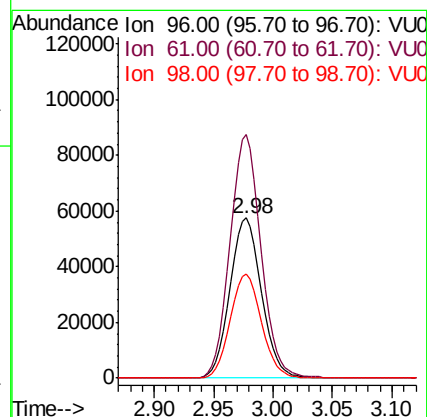
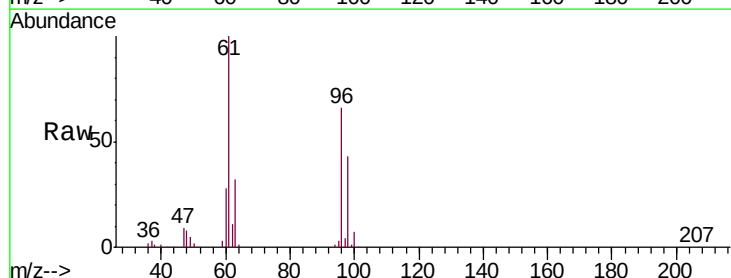
Instrument :
MSVOA_U
ClientSampleId :
C0JT6

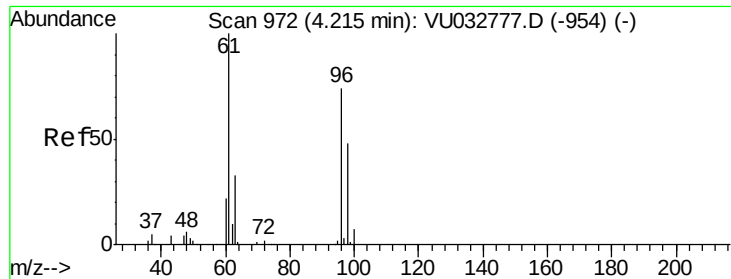
Tgt Ion: 84 Resp: 2220
Ion Ratio Lower Upper
84 100
86 54.4 45.5 84.5
49 110.1 92.1 171.1



#17
trans-1,2-Dichloroethene
Concen: 69.017 ug/L
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU032805.D
Acq: 17 Jun 2019 23:56

Tgt Ion: 96 Resp: 106244
Ion Ratio Lower Upper
96 100
61 151.9 100.9 187.5
98 64.6 44.0 81.8

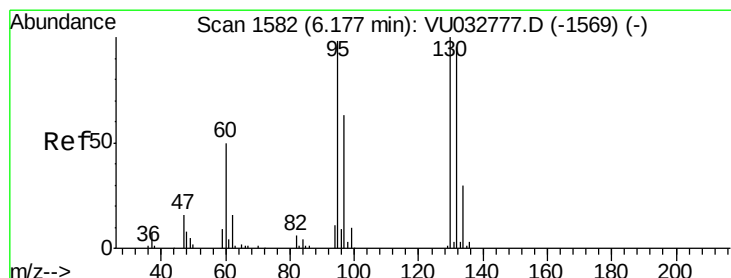
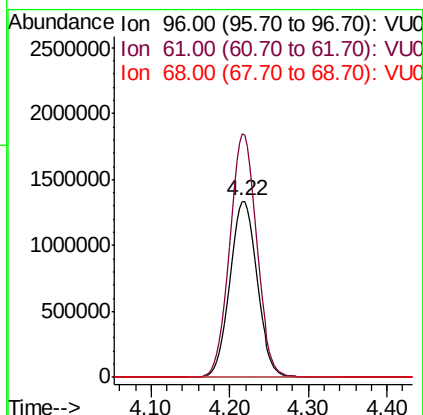
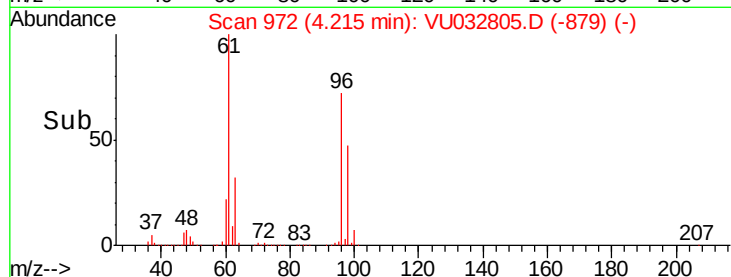
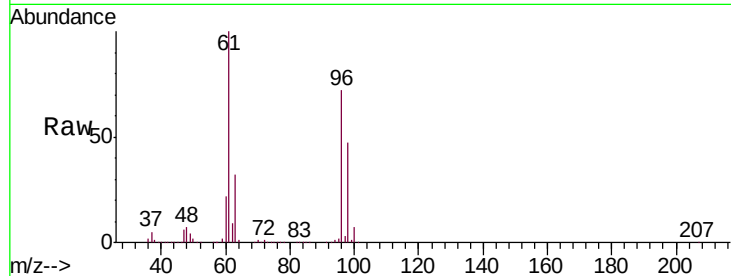




#20
 cis-1,2-Dichloroethene
 Concen: 1918.543 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU032805.D
 Acq: 17 Jun 2019 23:56

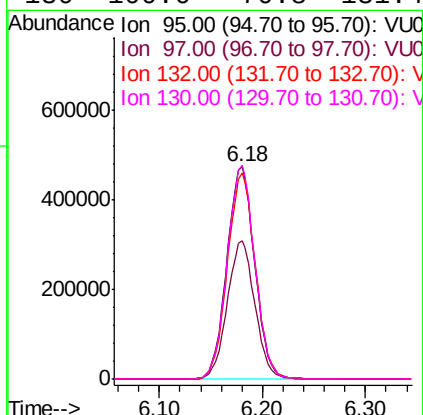
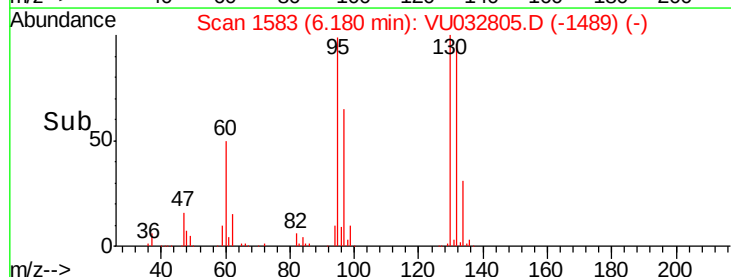
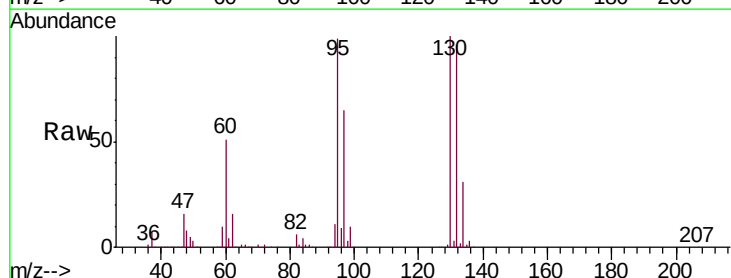
Instrument :
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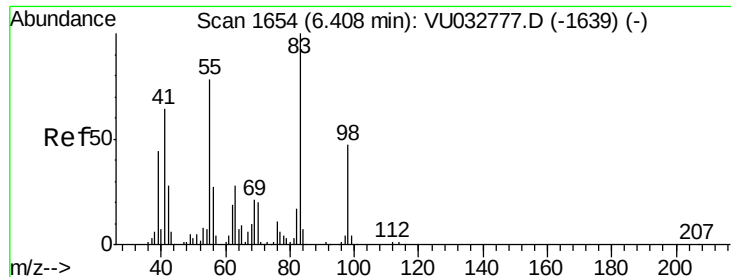
Tgt Ion: 96 Resp: 3217403
 Ion Ratio Lower Upper
 96 100
 61 138.2 92.4 171.6
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 518.716 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU032805.D
 Acq: 17 Jun 2019 23:56

Tgt Ion: 95 Resp: 890845
 Ion Ratio Lower Upper
 95 100
 97 65.0 45.9 85.3
 132 97.0 68.5 127.3
 130 100.6 70.8 131.4

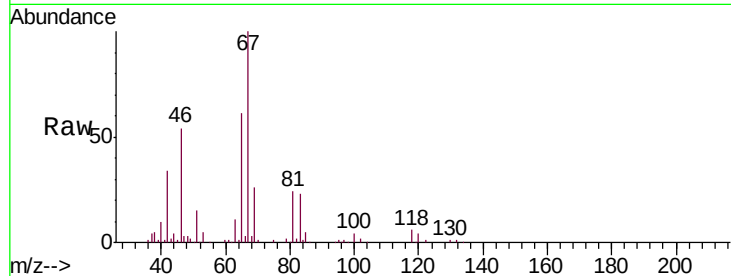




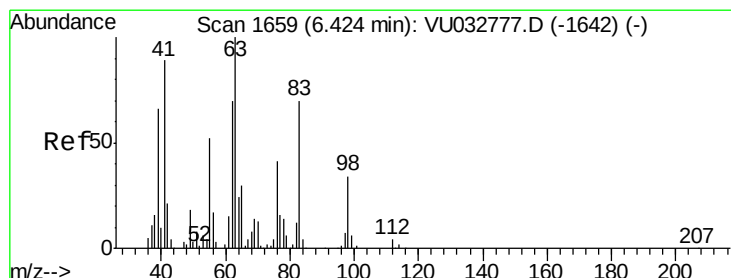
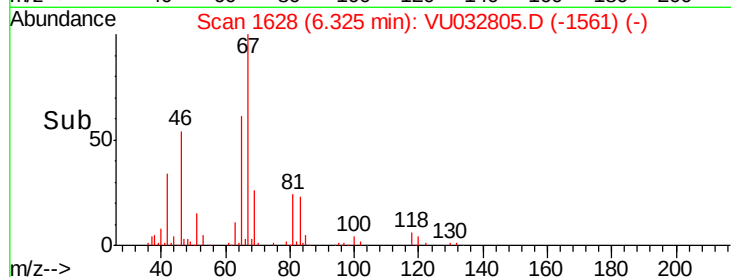
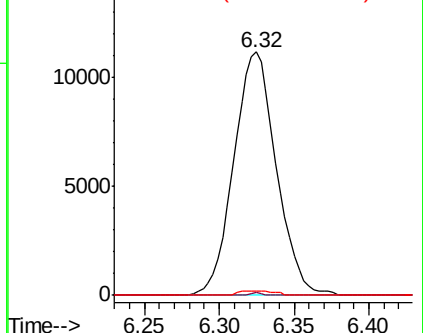
#35
Methylcyclohexane
Concen: 8.313 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032805.D
Acq: 17 Jun 2019 23:56

Instrument :
MSVOA_U
ClientSampleId :
C0JT6

Tgt Ion: 83 Resp: 22067
Ion Ratio Lower Upper
83 100
55 0.3 62.6 94.0#
98 1.4 37.4 56.0#

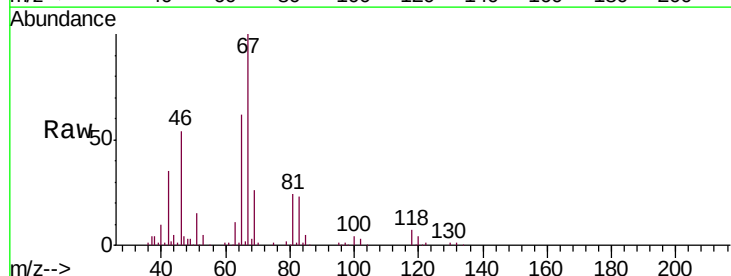


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

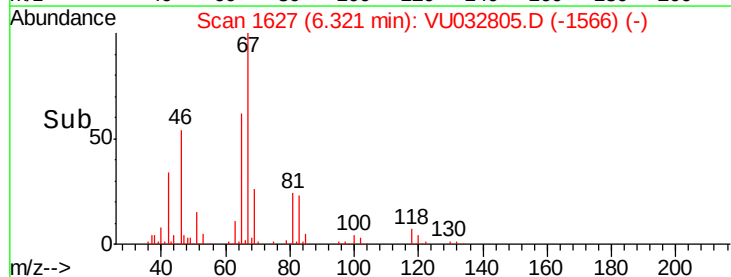
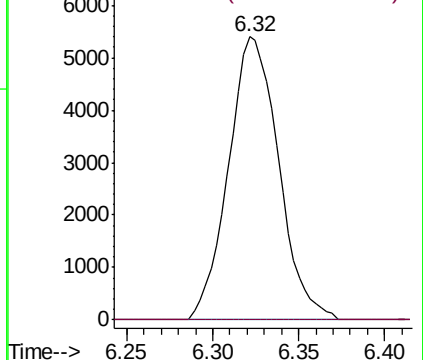


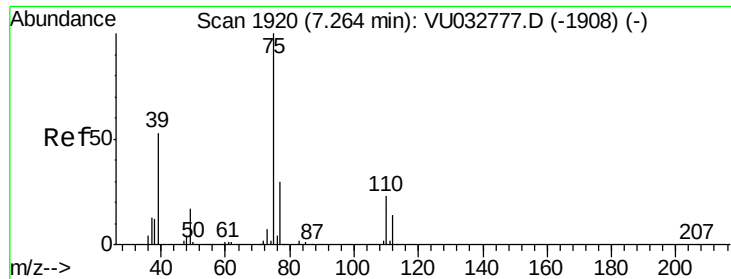
#37
1,2-Dichloropropane
Concen: 6.211 ug/L
RT: 6.32 min Scan# 1627
Delta R.T. -0.10 min
Lab File: VU032805.D
Acq: 17 Jun 2019 23:56

Tgt Ion: 63 Resp: 10952
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V

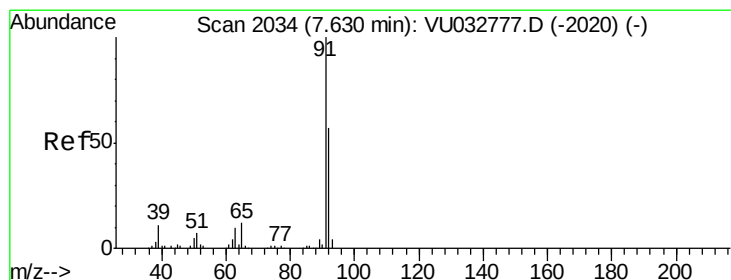
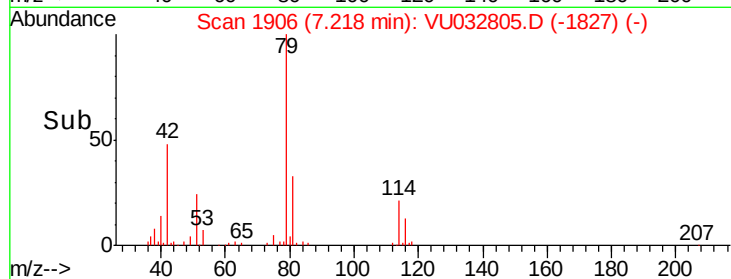
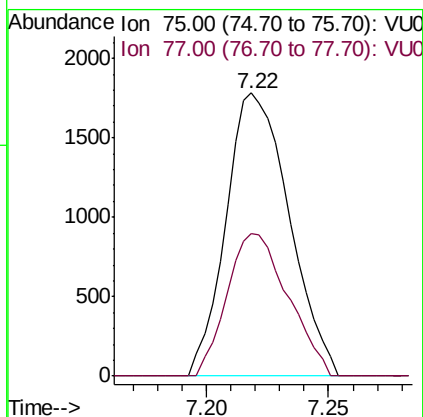
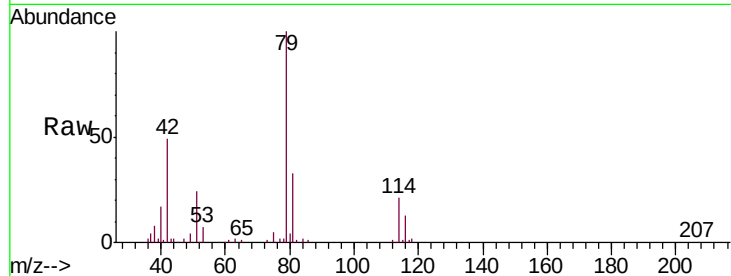




#39
 cis-1,3-Dichloropropene
 Concen: 1.167 ug/L
 RT: 7.22 min Scan# 1906
 Delta R.T. -0.05 min
 Lab File: VU032805.D
 Acq: 17 Jun 2019 23:56

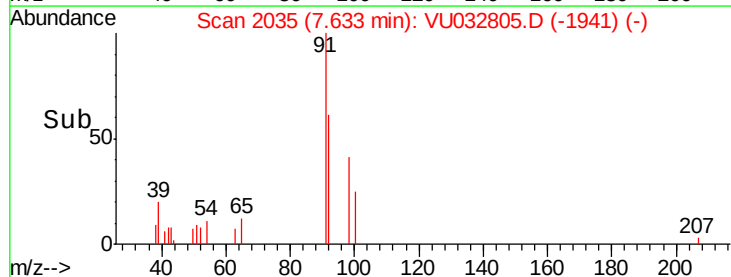
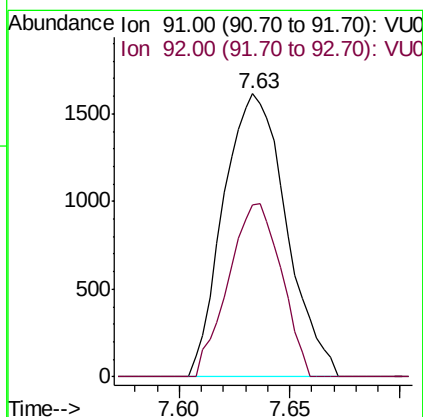
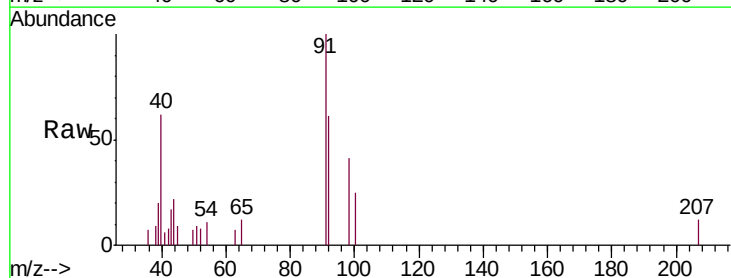
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JT6

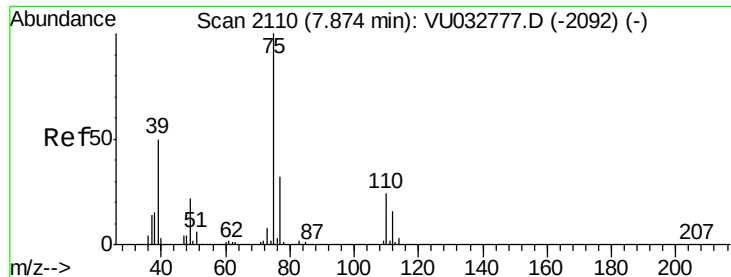
Tgt Ion: 75 Resp: 3205
 Ion Ratio Lower Upper
 75 100
 77 50.2 21.9 40.7#



#42
 Toluene
 Concen: 0.459 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU032805.D
 Acq: 17 Jun 2019 23:56

Tgt Ion: 91 Resp: 3193
 Ion Ratio Lower Upper
 91 100
 92 60.9 40.4 75.0





#44

trans-1,3-Dichloropropene

Concen: 0.889 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU032805.D

Acq: 17 Jun 2019 23:56

Instrument :

MSVOA_U

ClientSampleId :

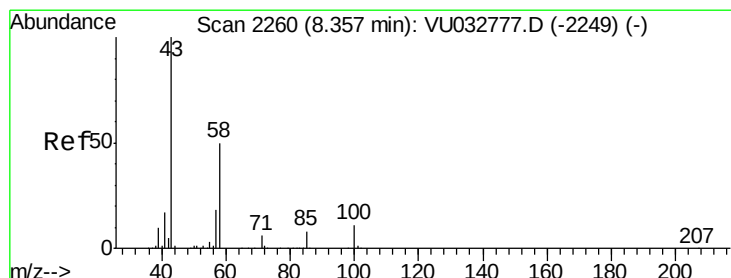
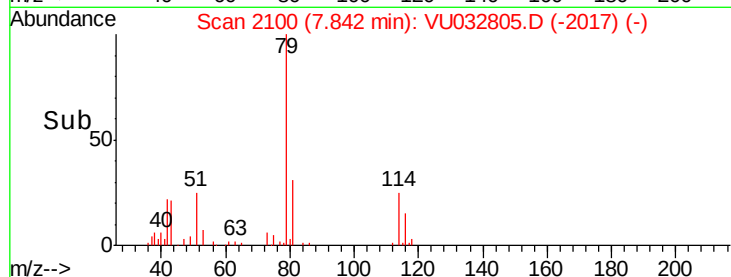
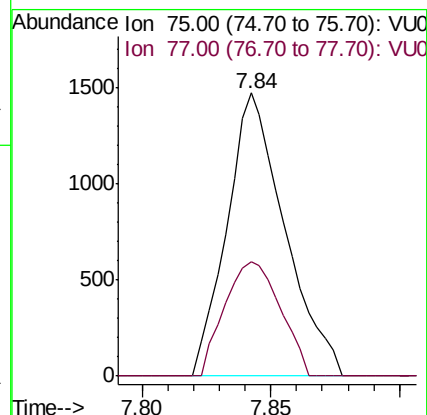
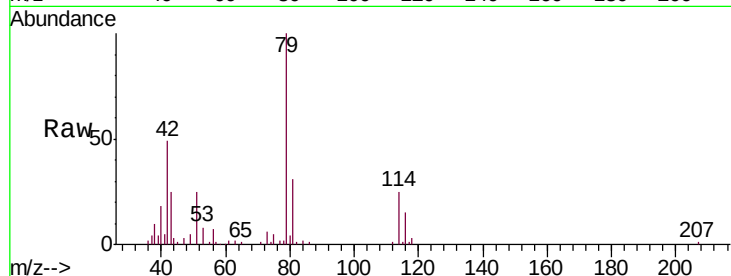
C0JT6

Tgt Ion: 75 Resp: 2293

Ion Ratio Lower Upper

75 100

77 40.7 21.8 40.4#



#48

2-Hexanone

Concen: 28.860 ug/L

RT: 8.41 min Scan# 2276

Delta R.T. 0.05 min

Lab File: VU032805.D

Acq: 17 Jun 2019 23:56

Tgt Ion: 43 Resp: 71678

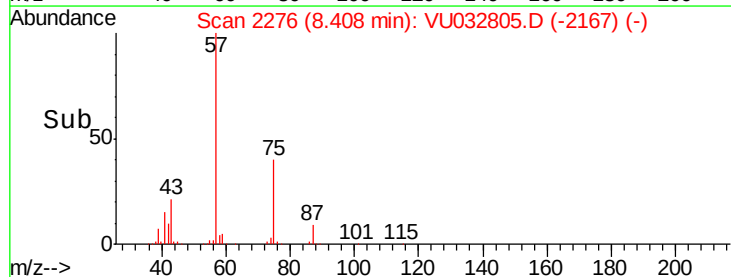
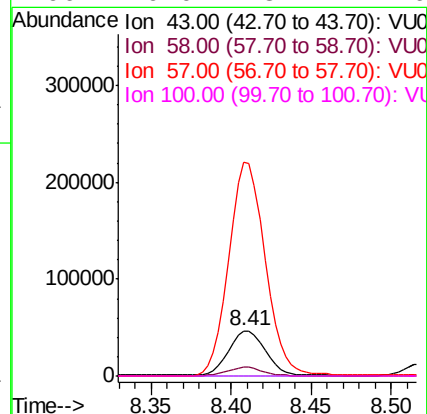
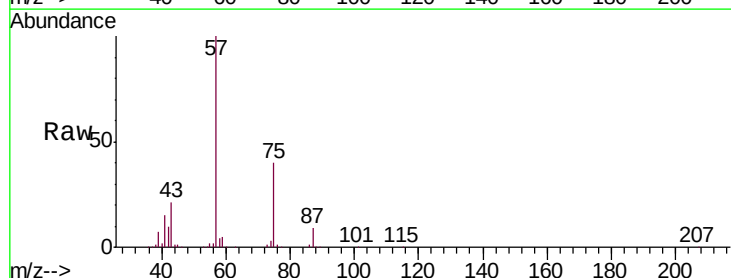
Ion Ratio Lower Upper

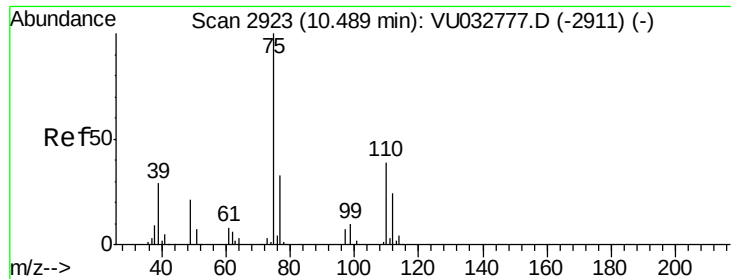
43 100

58 19.0 40.2 60.2#

57 483.8 14.2 21.4#

100 0.0 8.4 12.6#





#59
 1,2,3-Trichloropropane
 Concen: 6.003 ug/L
 RT: 11.48 min Scan# 3230
 Delta R.T. 0.99 min
 Lab File: VU032805.D
 Acq: 17 Jun 2019 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JT6

Tgt Ion: 75 Resp: 14126
 Ion Ratio Lower Upper
 75 100
 77 38.0 25.5 38.3

