

Data File : VU032790.D
Acq On : 17 Jun 2019 18:13
Operator : JC/SP
Sample : K3324-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JW1

Quant Time: Jun 18 02:44:14 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	224241	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	218265	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	109201	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	62418	40.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.46%
7) Chloroethane-d5	1.68	69	55439	45.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.72%
11) 1,1-Dichloroethene-d2	2.27	63	97973	31.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.46%
21) 2-Butanone-d5	4.17	46	149119	116.91	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.91%
24) Chloroform-d	4.64	84	136212	45.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.44%
26) 1,2-Dichloroethane-d4	5.30	65	95418	48.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.16%
32) Benzene-d6	5.33	84	262471	46.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.26%
36) 1,2-Dichloropropane-d6	6.32	67	88550	48.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.70%
41) Toluene-d8	7.56	98	239445	44.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.88%
43) trans-1,3-Dichloropropene-	7.84	79	42845	45.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.88%
47) 2-Hexanone-d5	8.30	63	111403	131.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	131.63%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	135170	48.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.48%
64) 1,2-Dichlorobenzene-d4	11.85	152	102396	48.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.92%

Target Compounds

					Qvalue	
8) Chloroethane	1.40	64	1012	0.863	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	845	0.564	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	878	0.622	ug/L #	1
13) Acetone	2.32	43	13175	7.478	ug/L	97
15) Methyl Acetate	2.62	43	1852	0.927	ug/L #	69
16) Methylene chloride	2.69	84	4324	2.610	ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	4595	2.754	ug/L	85
27) 1,2-Dichloroethane	5.33	62	1776	0.718	ug/L #	77
34) Trichloroethene	6.18	95	38807	23.100	ug/L	99
35) Methylcyclohexane	6.32	83	20318	7.824	ug/L #	18
37) 1,2-Dichloropropane	6.32	63	10447	6.057	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	3055	1.137	ug/L #	65
40) 4-Methyl-2-pentanone	7.41	43	57495	20.880	ug/L #	53
44) trans-1,3-Dichloropropene	7.84	75	2211	0.876	ug/L	99
46) Tetrachloroethene	8.22	164	4306	3.128	ug/L	95
49) Dibromochloromethane	8.22	129	4063	2.099	ug/L #	12
59) 1,2,3-Trichloropropane	11.48	75	13490	5.861	ug/L	90

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

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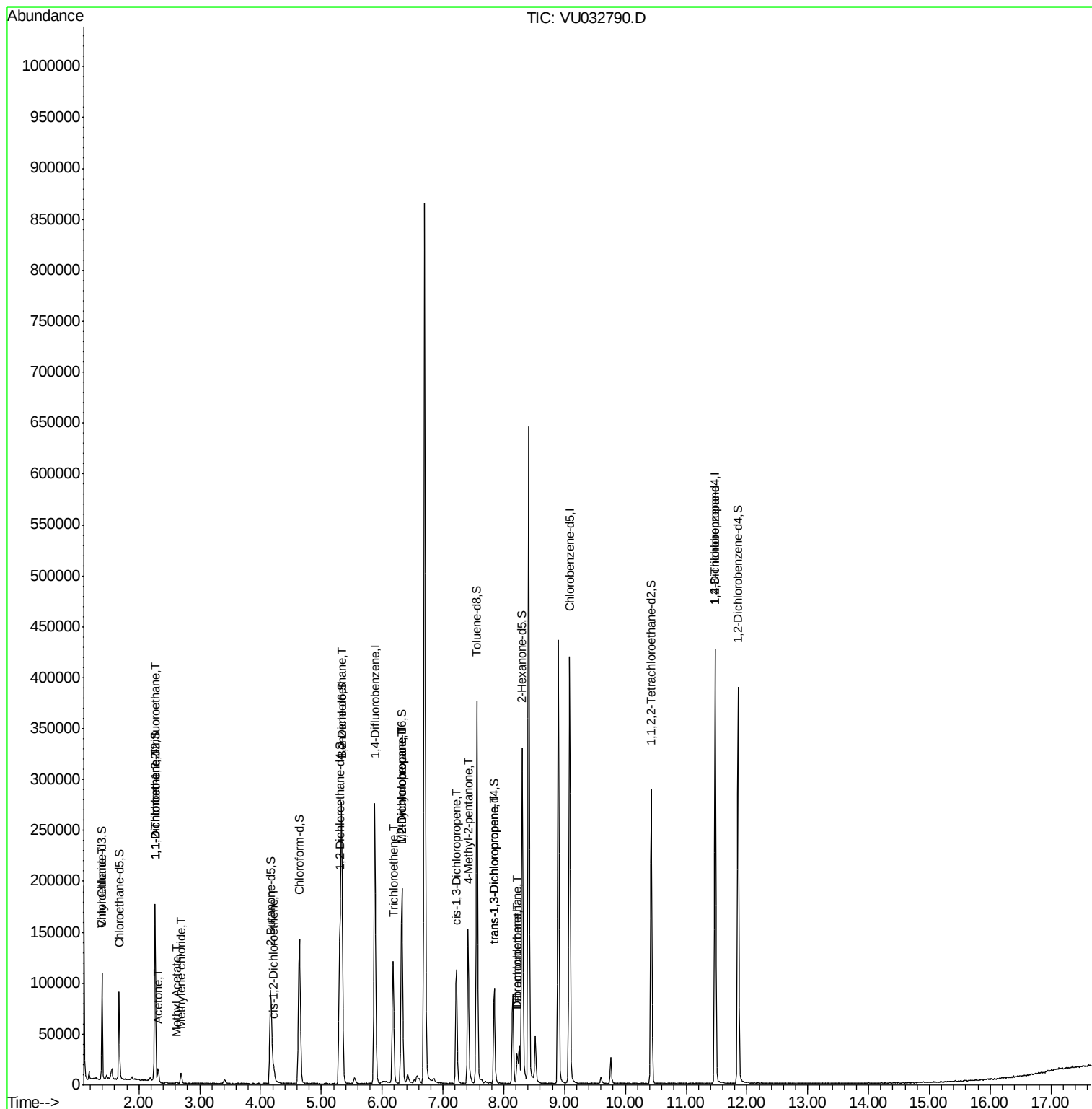
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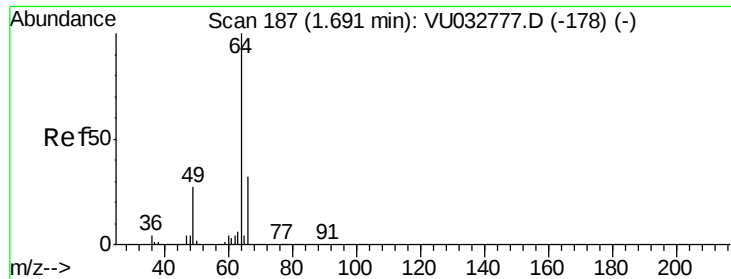
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.863 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU032790.D

Acq: 17 Jun 2019 18:13

Instrument :

MSVOA_U

ClientSampleId :

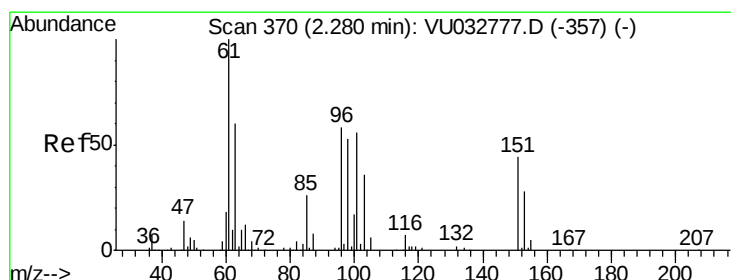
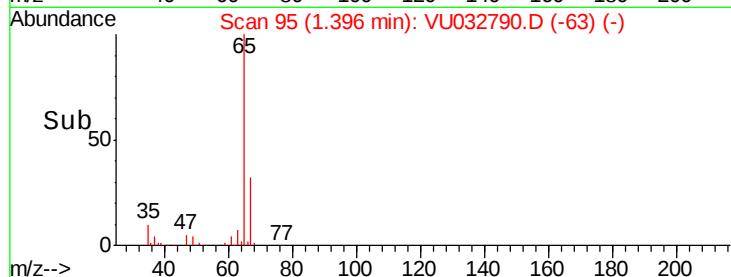
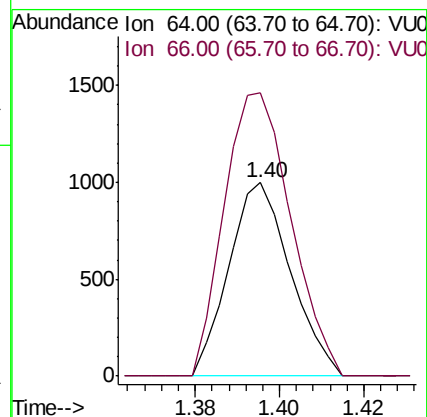
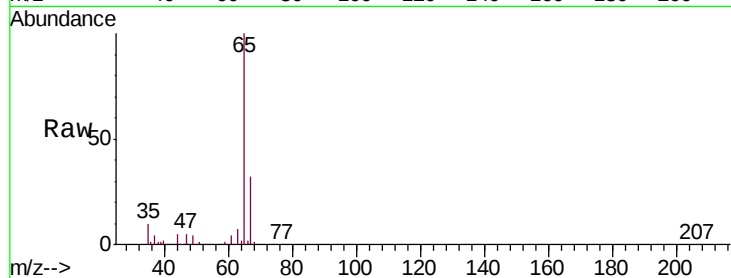
C0JW1

Tgt Ion: 64 Resp: 1012

Ion Ratio Lower Upper

64 100

66 146.2 22.5 41.7#



#10

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

Concen: 0.564 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032790.D

Acq: 17 Jun 2019 18:13

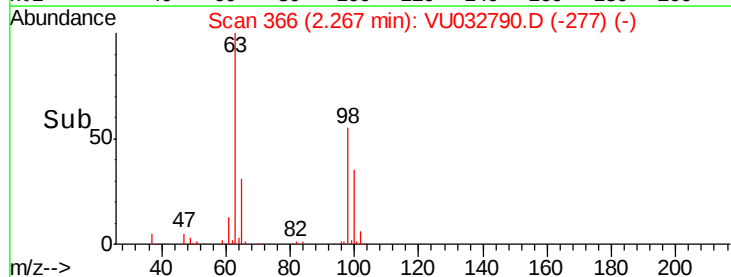
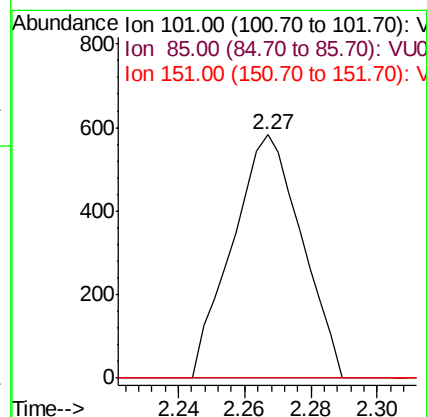
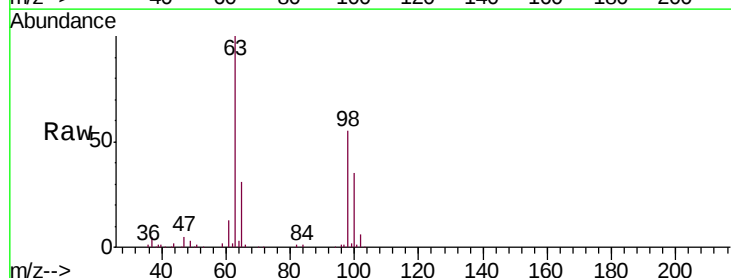
Tgt Ion: 101 Resp: 845

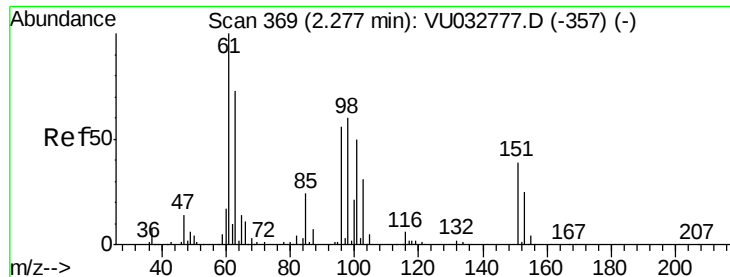
Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 0.0 63.6 95.4#





#12

1,1-Dichloroethene

Concen: 0.622 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032790.D

Acq: 17 Jun 2019 18:13

Instrument :

MSVOA_U

ClientSampleId :

C0JW1

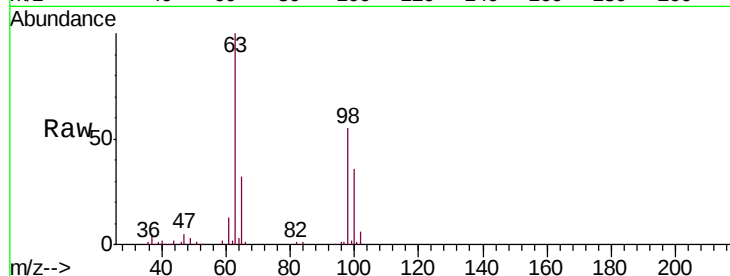
Tgt Ion: 96 Resp: 878

Ion Ratio Lower Upper

96 100

61 1351.6 131.0 243.4#

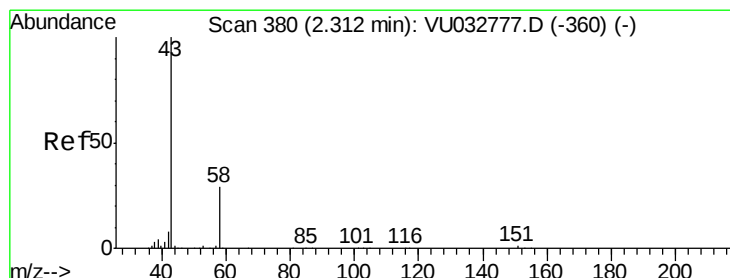
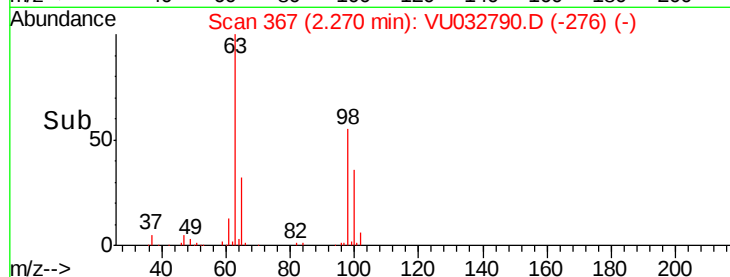
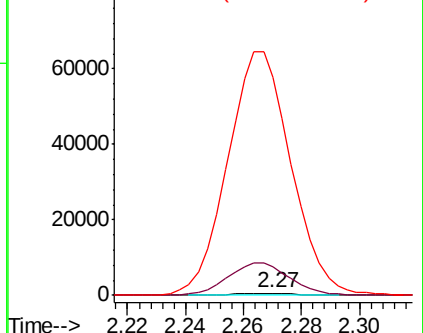
63 10540.1 101.0 187.6#



Abundance Ion 96.00 (95.70 to 96.70): VU032790.D (-276) (-)

Ion 61.00 (60.70 to 61.70): VU032790.D (-276) (-)

Ion 63.00 (62.70 to 63.70): VU032790.D (-276) (-)



#13

Acetone

Concen: 7.478 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032790.D

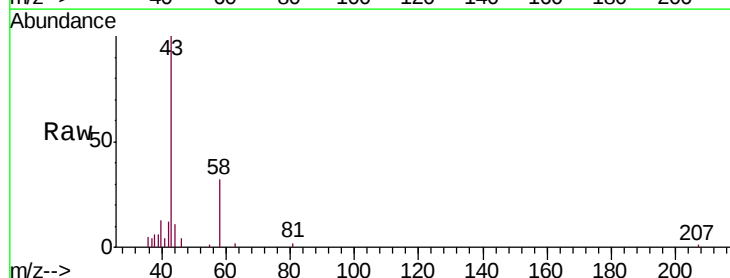
Acq: 17 Jun 2019 18:13

Tgt Ion: 43 Resp: 13175

Ion Ratio Lower Upper

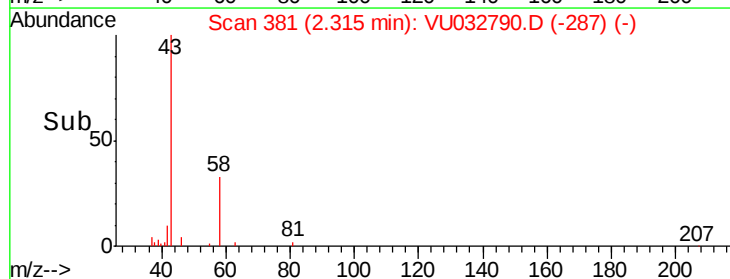
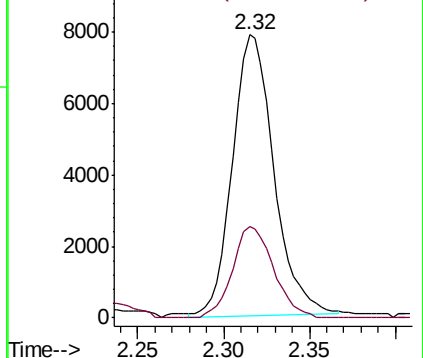
43 100

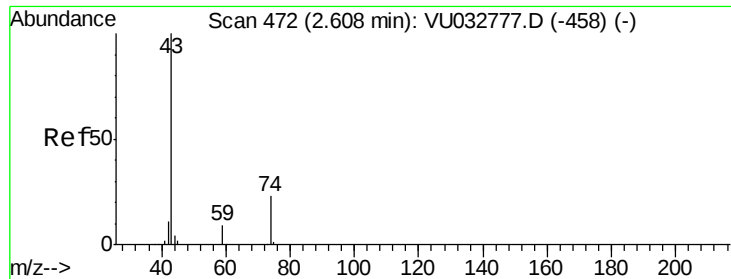
58 32.1 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032790.D (-287) (-)

Ion 58.00 (57.70 to 58.70): VU032790.D (-287) (-)

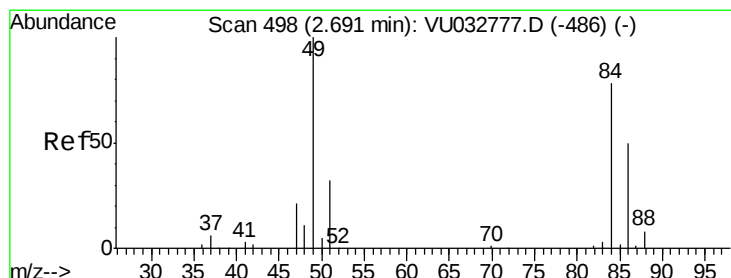
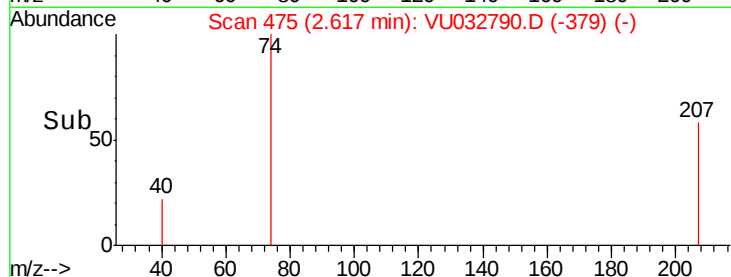
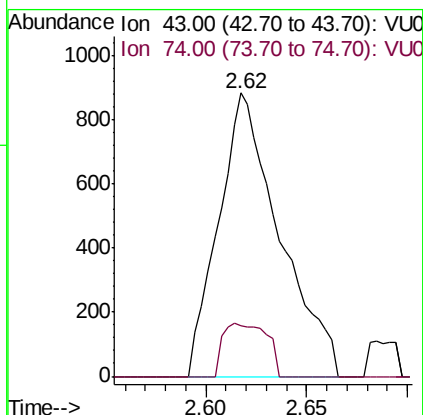
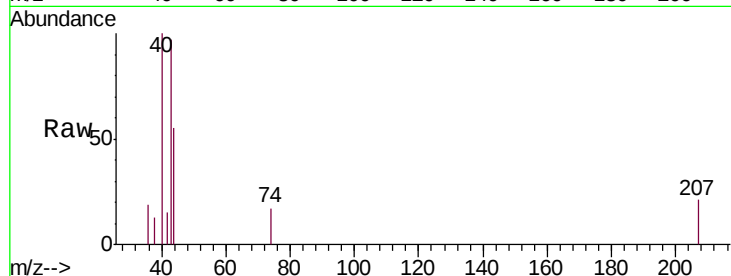




#15
Methyl Acetate
Concen: 0.927 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.01 min
Lab File: VU032790.D
Acq: 17 Jun 2019 18:13

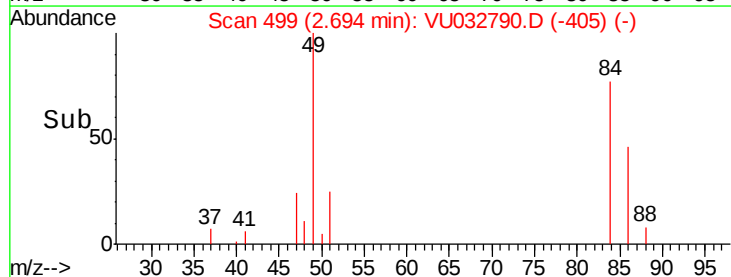
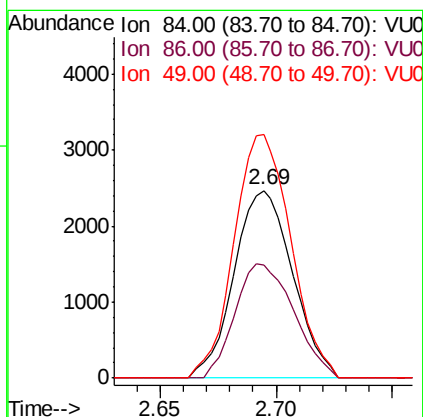
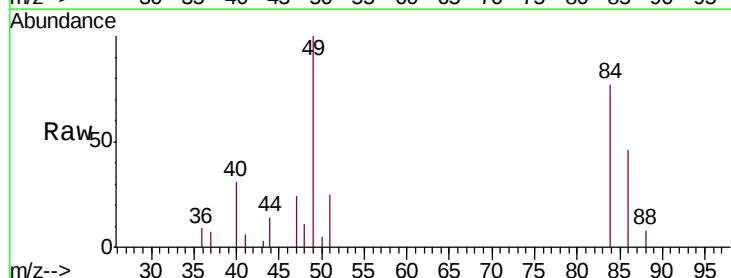
Instrument :
MSVOA_U
ClientSampleId :
C0JW1

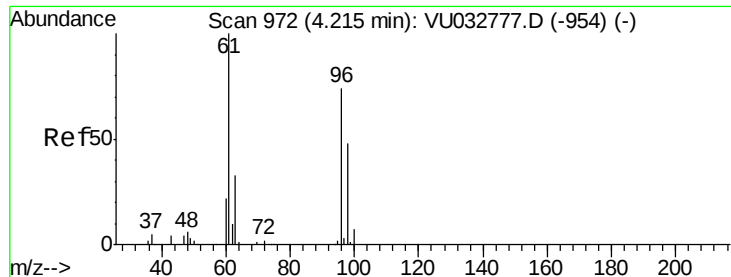
Tgt Ion: 43 Resp: 1852
Ion Ratio Lower Upper
43 100
74 7.9 18.1 27.1#



#16
Methylene chloride
Concen: 2.610 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032790.D
Acq: 17 Jun 2019 18:13

Tgt Ion: 84 Resp: 4324
Ion Ratio Lower Upper
84 100
86 60.2 45.5 84.5
49 129.8 92.1 171.1



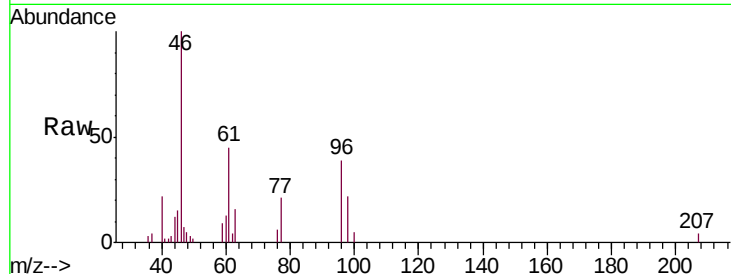


#20

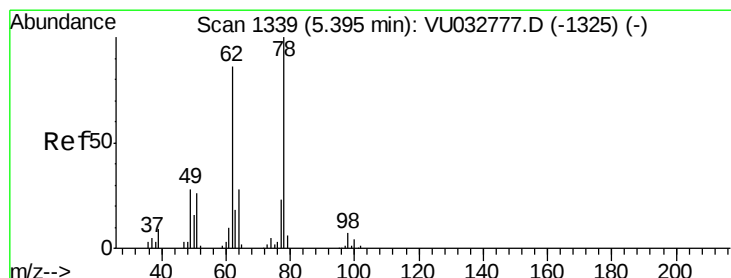
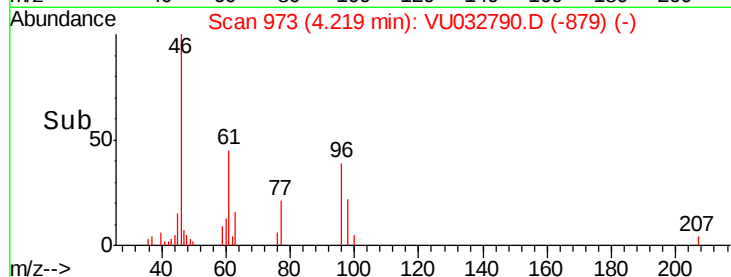
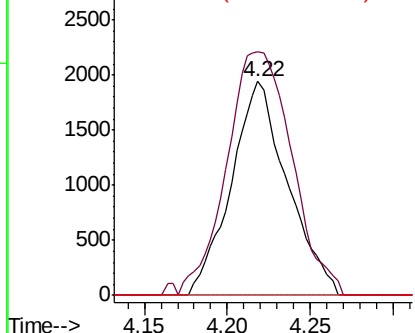
cis-1,2-Dichloroethene
 Concen: 2.754 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032790.D
 Acq: 17 Jun 2019 18:13

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JW1

Tgt Ion: 96 Resp: 4595
 Ion Ratio Lower Upper
 96 100
 61 114.0 92.4 171.6
 68 0.0 0.0 0.0



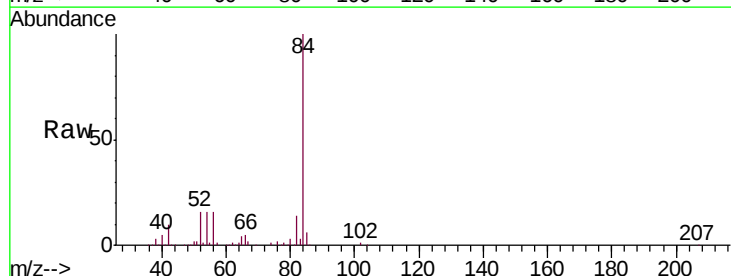
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



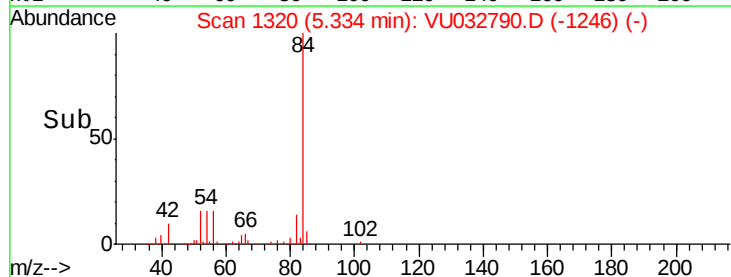
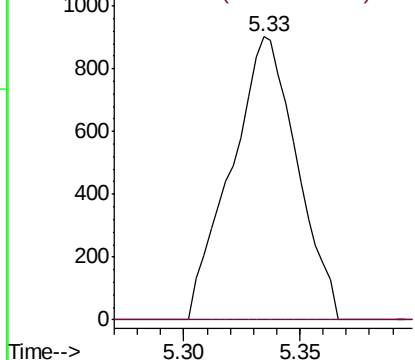
#27

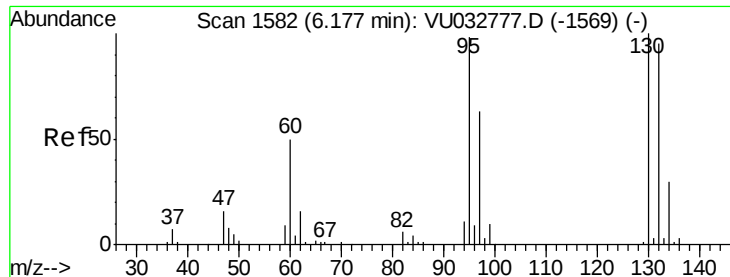
1,2-Dichloroethane
 Concen: 0.718 ug/L
 RT: 5.33 min Scan# 1320
 Delta R.T. -0.06 min
 Lab File: VU032790.D
 Acq: 17 Jun 2019 18:13

Tgt Ion: 62 Resp: 1776
 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: 23.100 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032790.D

Acq: 17 Jun 2019 18:13

Instrument :

MSVOA_U

ClientSampleId :

C0JW1

Tgt Ion: 95 Resp: 38807

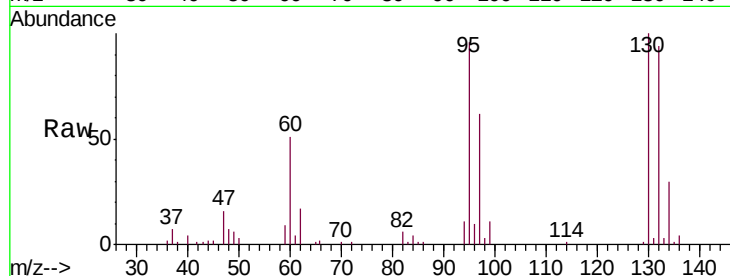
Ion Ratio Lower Upper

95 100

97 64.5 45.9 85.3

132 97.7 68.5 127.3

130 103.7 70.8 131.4

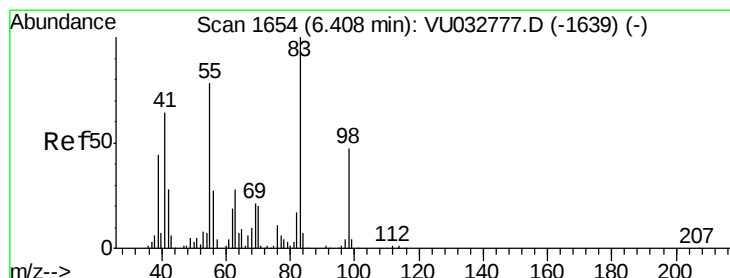
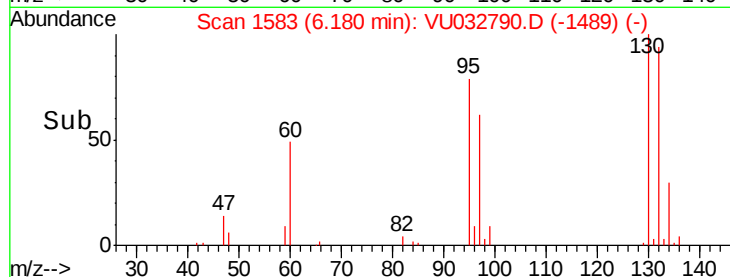
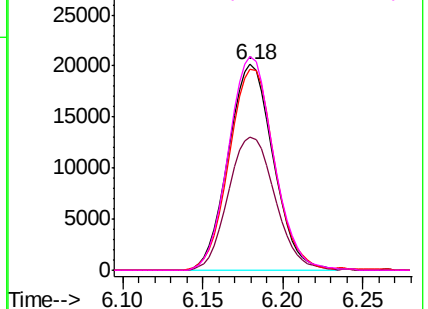


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 7.824 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032790.D

Acq: 17 Jun 2019 18:13

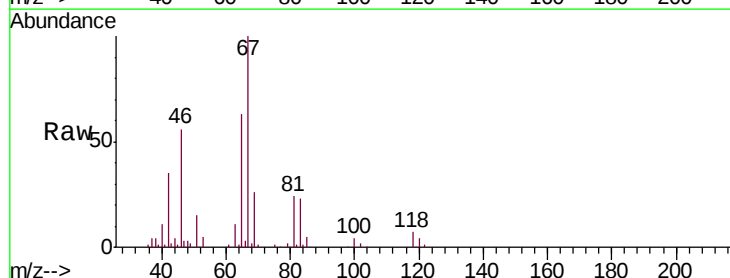
Tgt Ion: 83 Resp: 20318

Ion Ratio Lower Upper

83 100

55 0.3 62.6 94.0#

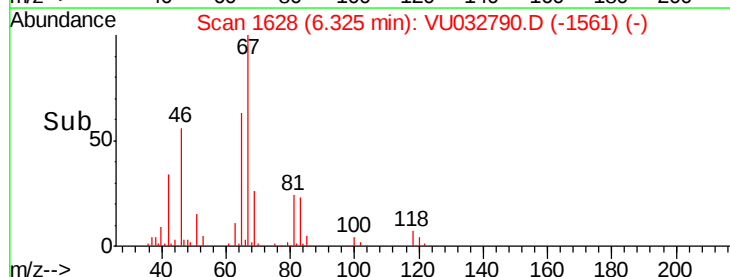
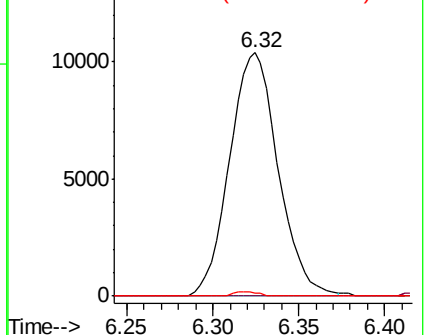
98 0.9 37.4 56.0#

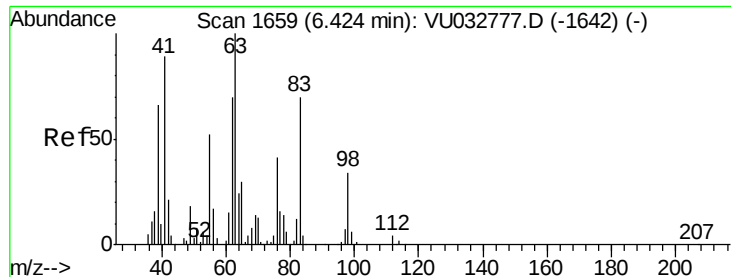


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 6.057 ug/L

RT: 6.32 min Scan# 1627

Delta R.T. -0.10 min

Lab File: VU032790.D

Acq: 17 Jun 2019 18:13

Instrument :

MSVOA_U

ClientSampleId :

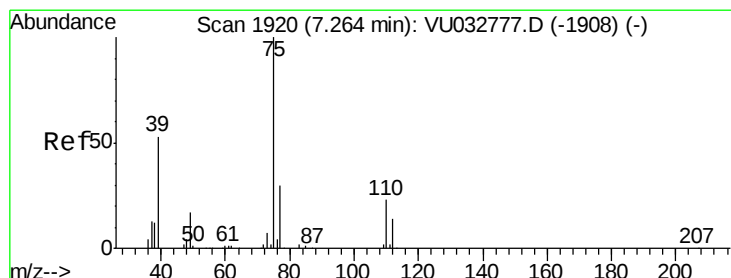
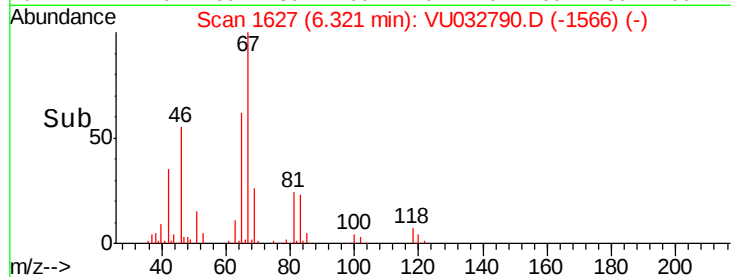
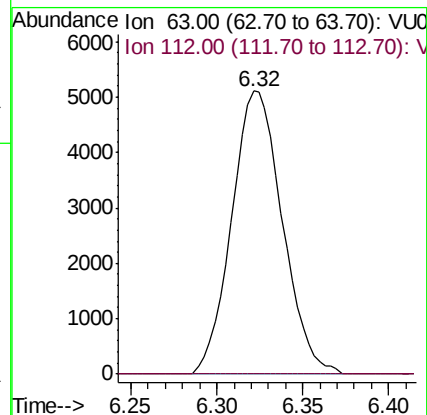
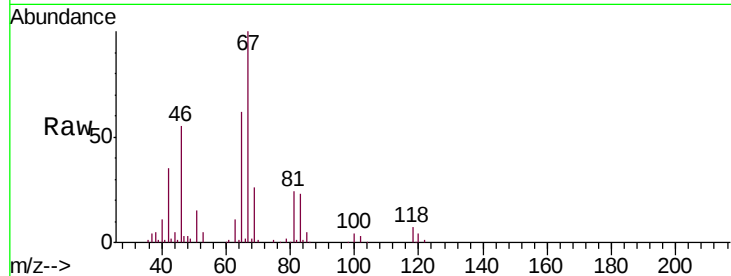
C0JW1

Tgt Ion: 63 Resp: 10447

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



#39

cis-1,3-Dichloropropene

Concen: 1.137 ug/L

RT: 7.22 min Scan# 1906

Delta R.T. -0.05 min

Lab File: VU032790.D

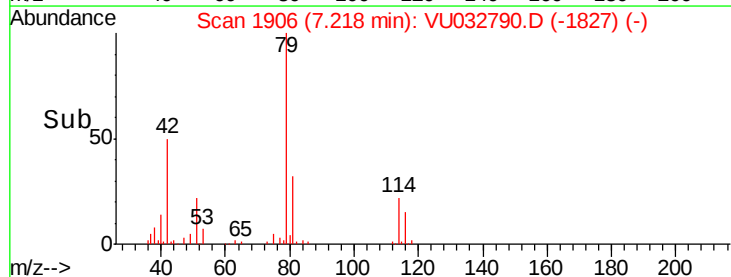
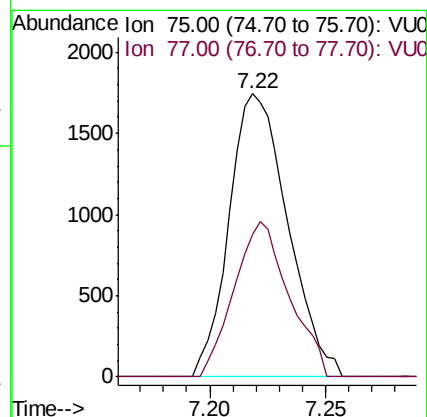
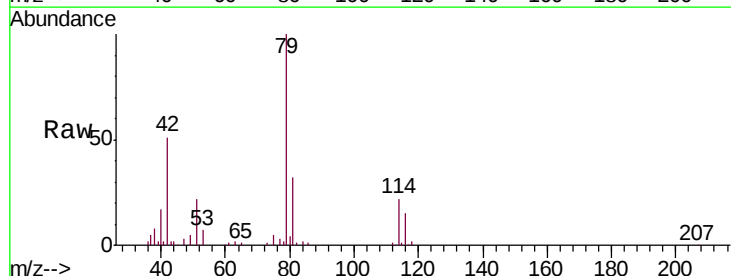
Acq: 17 Jun 2019 18:13

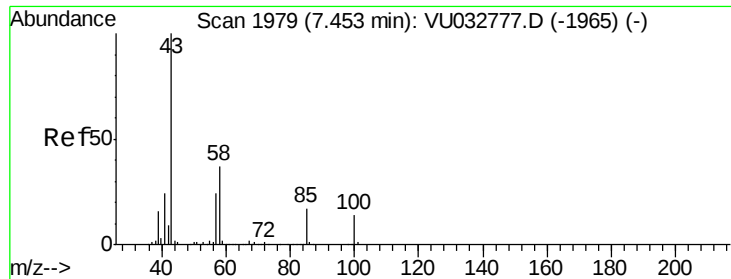
Tgt Ion: 75 Resp: 3055

Ion Ratio Lower Upper

75 100

77 50.6 21.9 40.7#

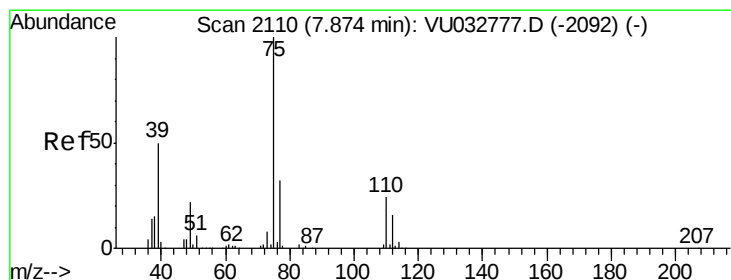
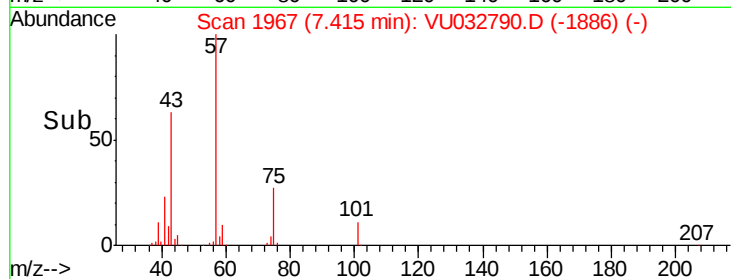
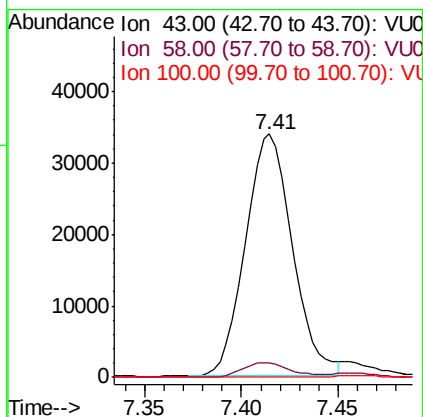
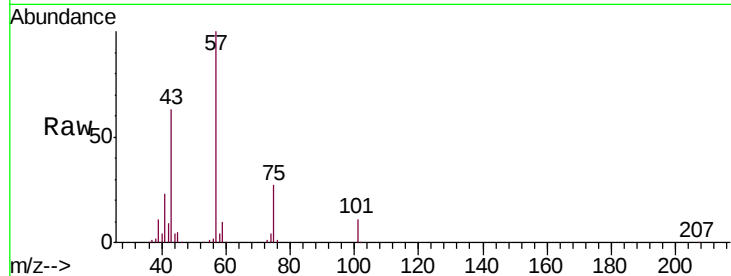




#40
 4-Methyl-2-pentanone
 Concen: 20.880 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. -0.04 min
 Lab File: VU032790.D
 Acq: 17 Jun 2019 18:13

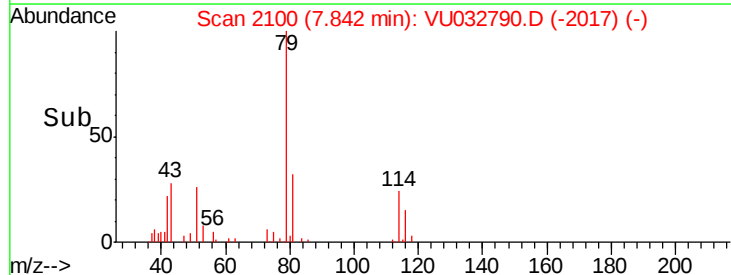
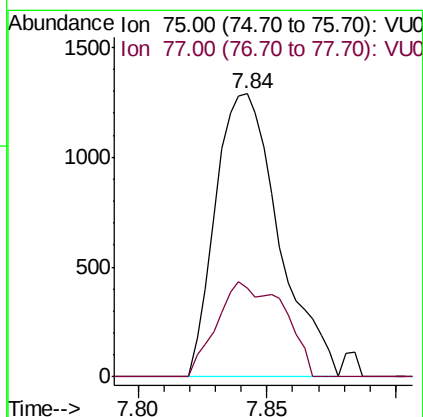
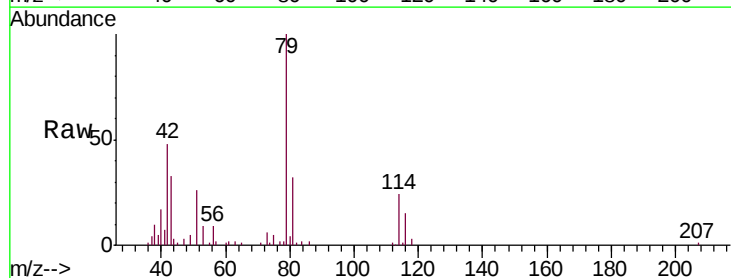
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JW1

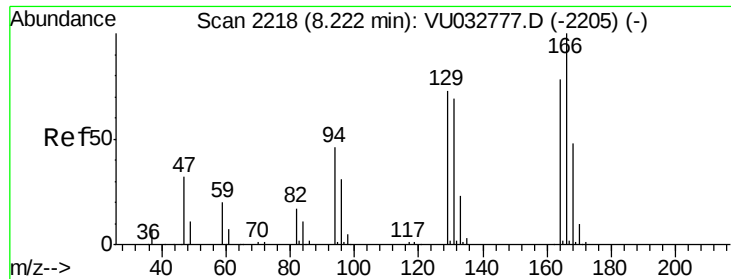
Tgt Ion: 43 Resp: 57495
 Ion Ratio Lower Upper
 43 100
 58 6.2 29.4 44.2#
 100 0.0 11.2 16.8#



#44
 trans-1,3-Dichloropropene
 Concen: 0.876 ug/L
 RT: 7.84 min Scan# 2100
 Delta R.T. -0.03 min
 Lab File: VU032790.D
 Acq: 17 Jun 2019 18:13

Tgt Ion: 75 Resp: 2211
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.8 40.4

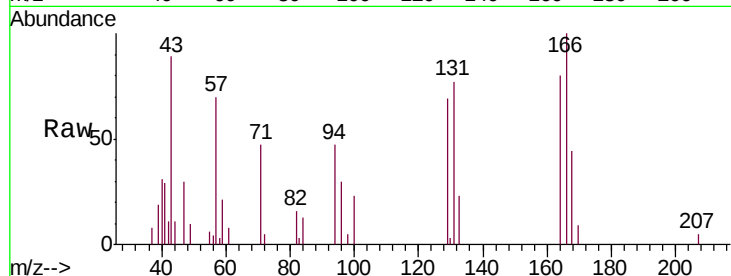




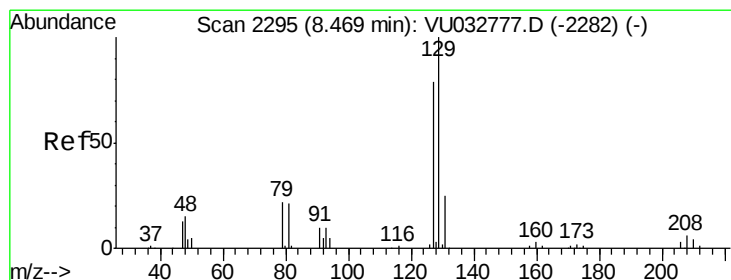
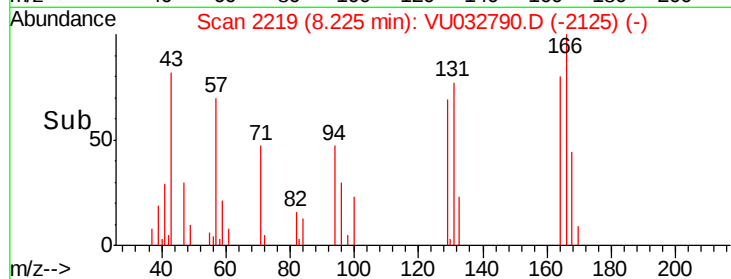
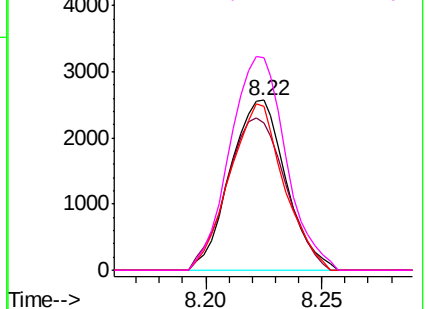
#46
Tetrachloroethene
Concen: 3.128 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU032790.D
Acq: 17 Jun 2019 18:13

Instrument :
MSVOA_U
ClientSampleId :
C0JW1

Tgt Ion:164 Resp: 4306
Ion Ratio Lower Upper
164 100
129 86.7 64.8 120.3
131 96.7 64.5 119.7
166 125.1 91.3 169.6

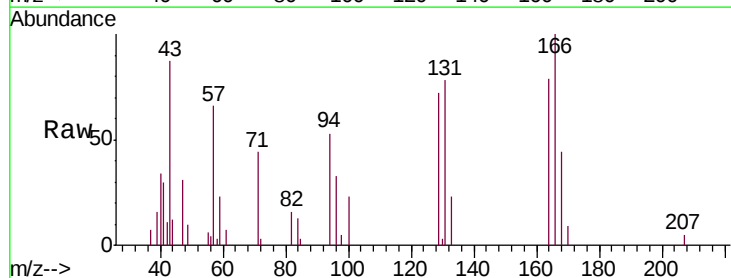


Abundance Ion 164.00 (163.70 to 164.70): V
5000 Ion 129.00 (128.70 to 129.70): V
4000 Ion 131.00 (130.70 to 131.70): V
3000 Ion 166.00 (165.70 to 166.70): V
2000
1000
0

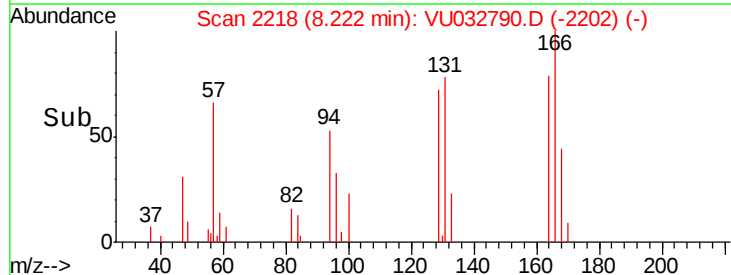
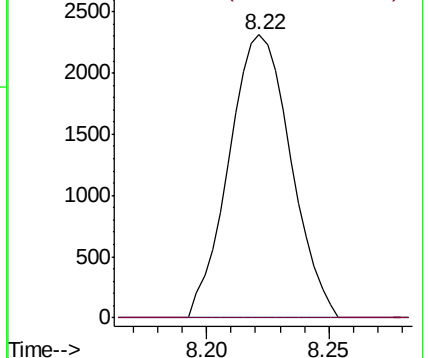


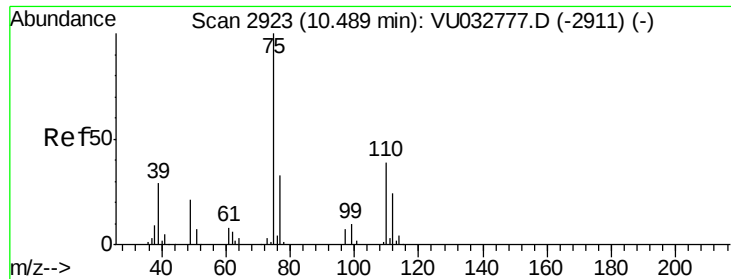
#49
Dibromochloromethane
Concen: 2.099 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.25 min
Lab File: VU032790.D
Acq: 17 Jun 2019 18:13

Tgt Ion:129 Resp: 4063
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#



Abundance Ion 129.00 (128.70 to 129.70): V
2500 Ion 127.00 (126.70 to 127.70): V
2000
1500
1000
500
0





#59
 1,2,3-Trichloropropane
 Concen: 5.861 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032790.D
 Acq: 17 Jun 2019 18:13

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JW1

Tgt Ion: 75 Resp: 13490
 Ion Ratio Lower Upper
 75 100
 77 37.2 25.5 38.3

