

Data File : VU035343.D
Acq On : 22 Oct 2019 00:38
Operator : JC/SP
Sample : K5458-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0K28

Quant Time: Oct 22 06:45:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 22 06:40:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	289778	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	286693	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	103904	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	120906	6.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	136.80%#
7) Chloroethane-d5	1.93	69	105611	6.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	130.80%#
11) 1,1-Dichloroethene-d2	2.59	63	162789	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.60%
20) 2-Butanone-d5	4.70	46	268132	52.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.62%
24) Chloroform-d	5.11	84	195139	6.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.80%
26) 1,2-Dichloroethane-d4	5.75	65	107343	6.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.00%
32) Benzene-d6	5.77	84	398359	6.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	121.60%
36) 1,2-Dichloropropane-d6	6.74	67	129293	6.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	124.20%
41) Toluene-d8	7.93	98	353442	5.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.80%
43) trans-1,3-Dichloropropene-	8.21	79	48261	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.69	63	213794	47.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.98%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	100599	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	111718	5.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.00%

Target Compounds

					Qvalue
3) Chloromethane	1.54	50	3125	0.128 ug/L #	76
8) Chloroethane	1.97	64	1420	0.088 ug/L #	52
12) 1,1-Dichloroethene	2.59	96	1622	0.087 ug/L #	1
13) Acetone	2.67	43	5376	1.522 ug/L	89
15) Methyl Acetate	2.82	43	21933	2.492 ug/L #	50
16) Methylene chloride	3.08	84	1888	0.084 ug/L	97
19) 1,1-Dichloroethane	3.93	63	3350	0.092 ug/L	90
22) cis-1,2-Dichloroethene	4.72	96	6580	0.296 ug/L	97
31) Carbon tetrachloride	5.57	117	4149	0.137 ug/L	98
34) Trichloroethene	6.58	95	14298	0.630 ug/L	95
35) Methylcyclohexane	6.74	83	29350	0.774 ug/L #	20
37) 1,2-Dichloropropane	6.74	63	14331	0.669 ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	3046	0.085 ug/L #	45
47) Tetrachloroethene	8.59	164	5409	0.286 ug/L	95
48) 2-Hexanone	8.73	43	13785	1.360 ug/L #	84
49) Dibromochloromethane	8.58	129	4960	0.246 ug/L #	11
59) 1,2,3-Trichloropropane	11.84	75	13109	0.879 ug/L	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102219\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 22 06:40:31 2019
Response via : Initial Calibration

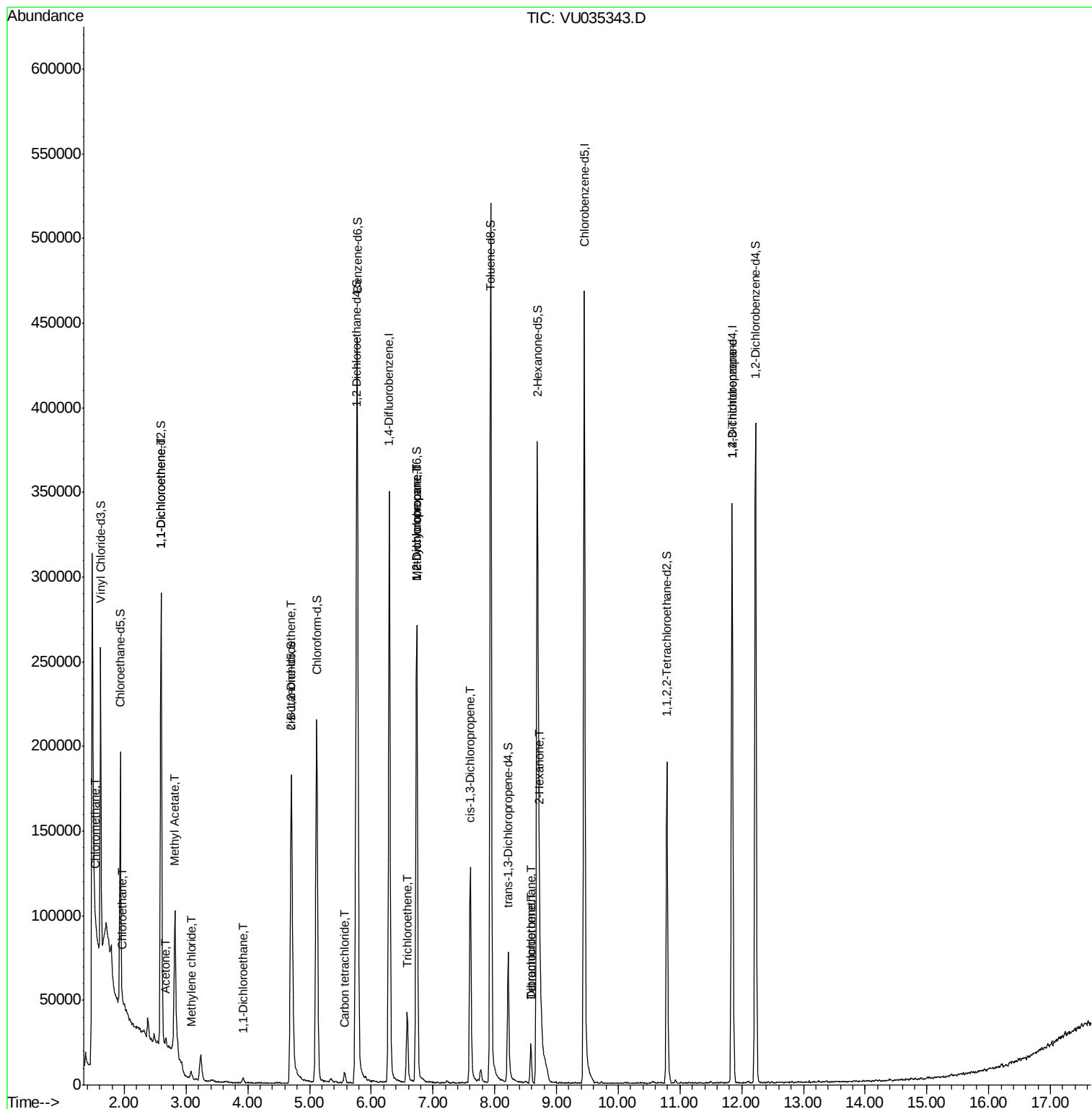
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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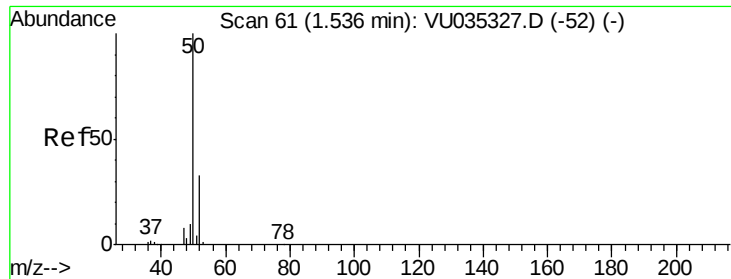
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.128 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035343.D

Acq: 22 Oct 2019 00:38

Instrument :

MSVOA_U

ClientSampleId :

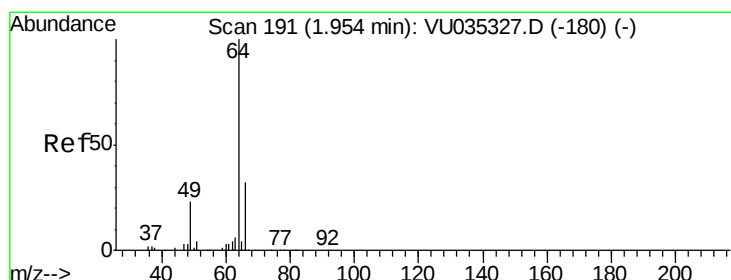
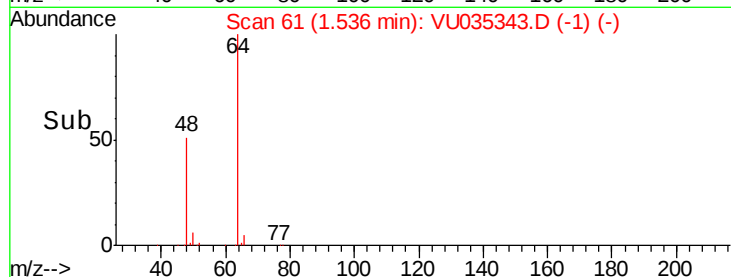
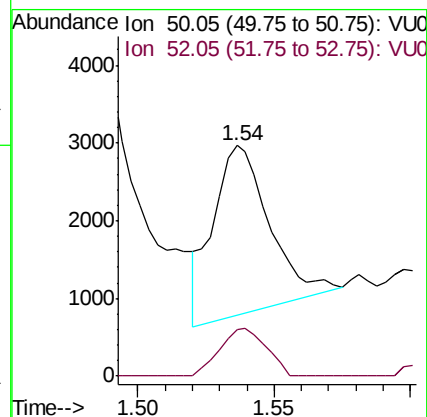
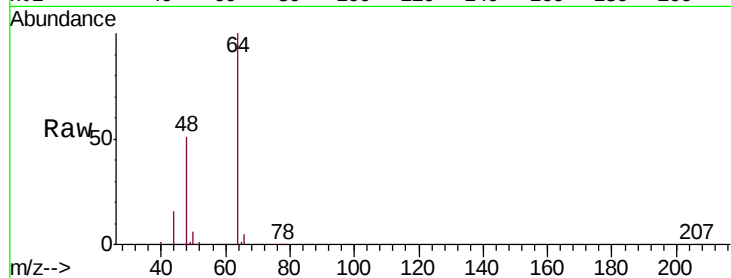
C0K28

Tgt Ion: 50 Resp: 3125

Ion Ratio Lower Upper

50 100

52 20.0 23.5 43.7#



#8

Chloroethane

Concen: 0.088 ug/L

RT: 1.97 min Scan# 196

Delta R.T. 0.02 min

Lab File: VU035343.D

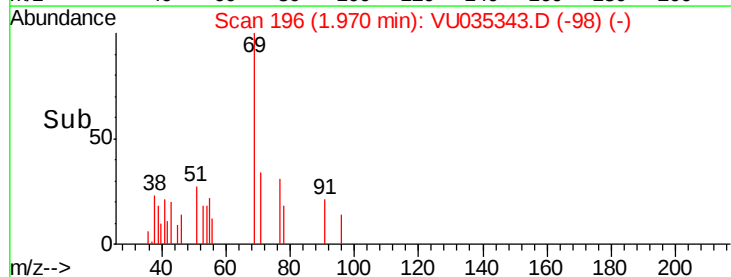
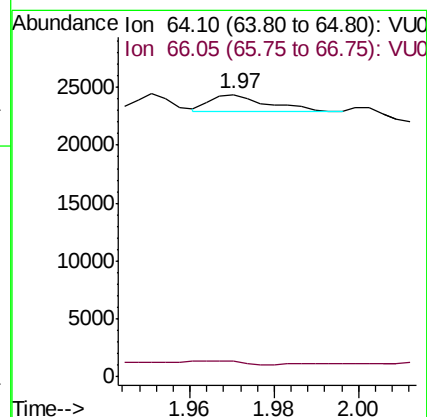
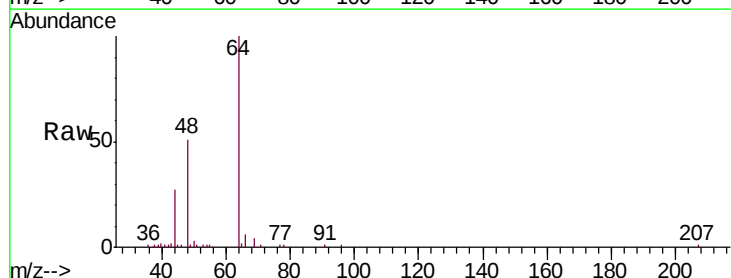
Acq: 22 Oct 2019 00:38

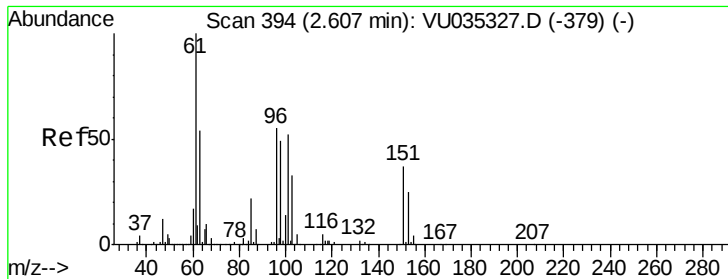
Tgt Ion: 64 Resp: 1420

Ion Ratio Lower Upper

64 100

66 5.5 22.7 42.1#





#12

1,1-Dichloroethene

Concen: 0.087 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU035343.D

Acq: 22 Oct 2019 00:38

Instrument :

MSVOA_U

ClientSampleId :

C0K28

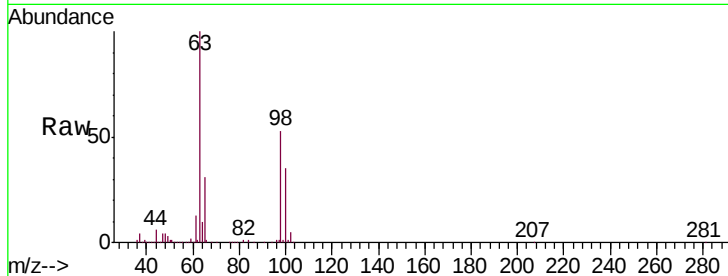
Tgt Ion: 96 Resp: 1622

Ion Ratio Lower Upper

96 100

61 1638.4 120.6 224.0#

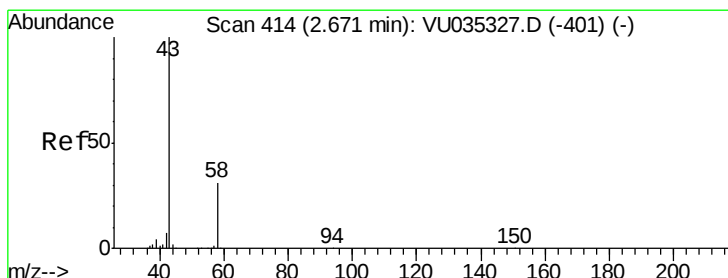
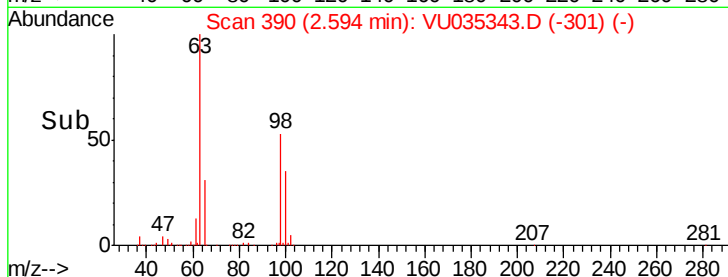
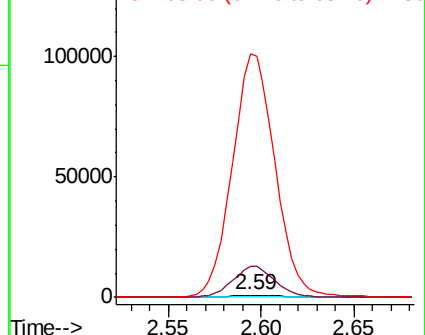
63 12932.0 86.8 161.2#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 1.522 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU035343.D

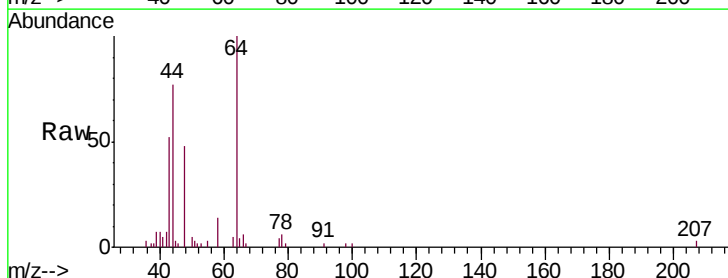
Acq: 22 Oct 2019 00:38

Tgt Ion: 43 Resp: 5376

Ion Ratio Lower Upper

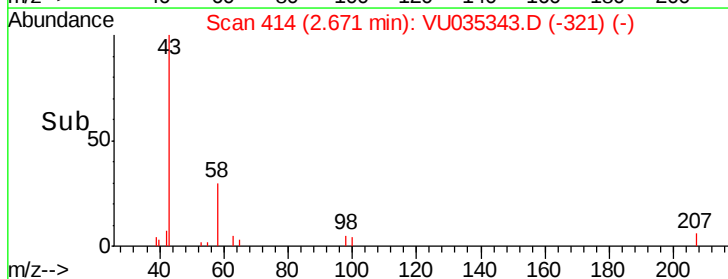
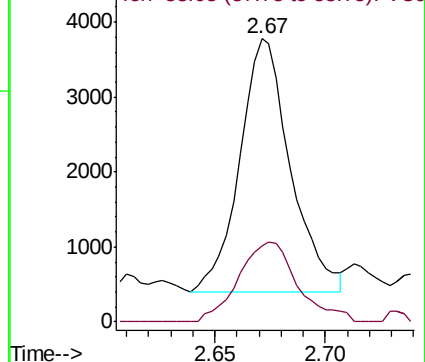
43 100

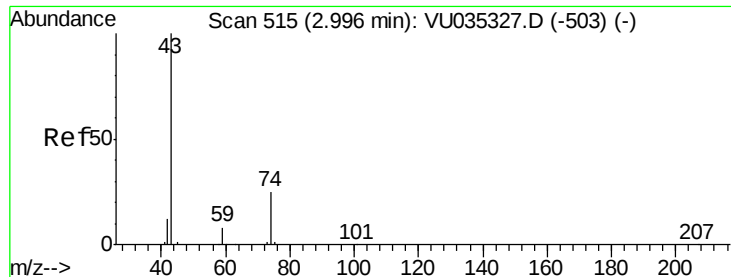
58 37.0 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

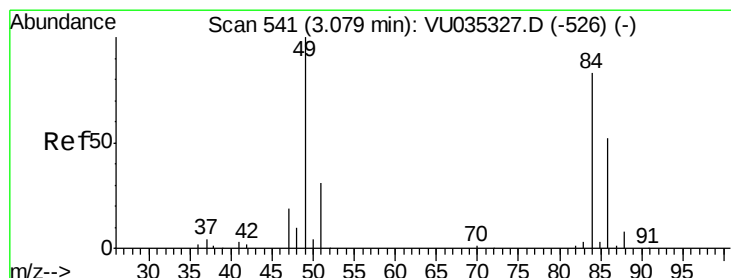
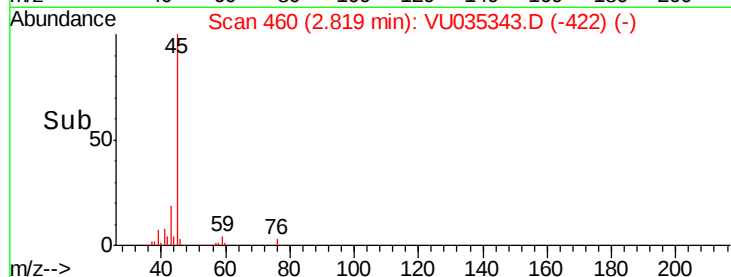
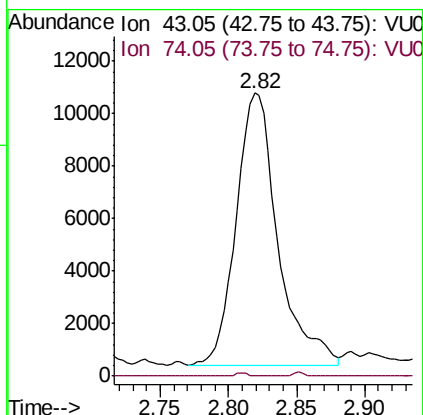
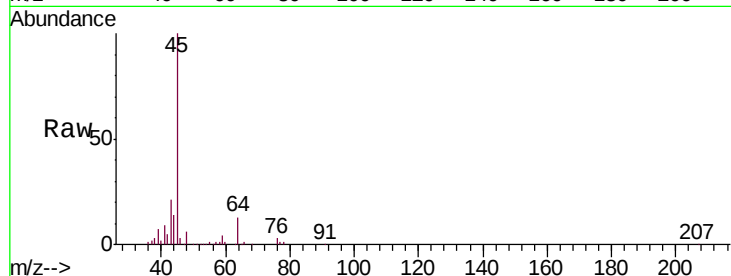




#15
Methyl Acetate
Concen: 2.492 ug/L
RT: 2.82 min Scan# 460
Delta R.T. -0.18 min
Lab File: VU035343.D
Acq: 22 Oct 2019 00:38

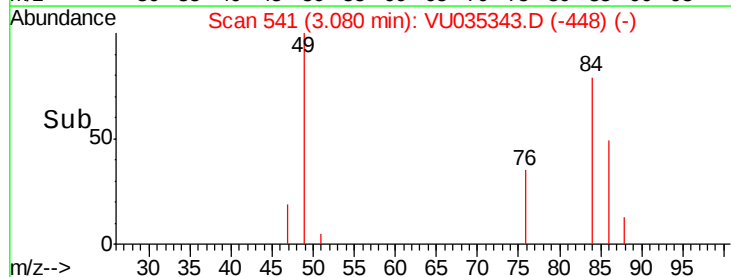
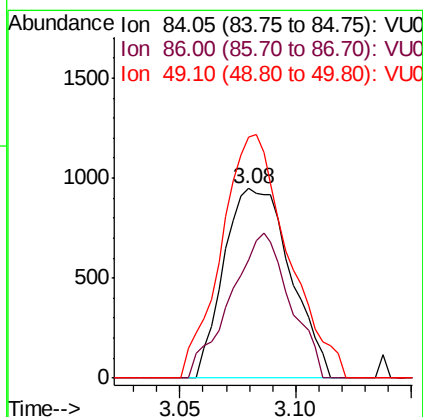
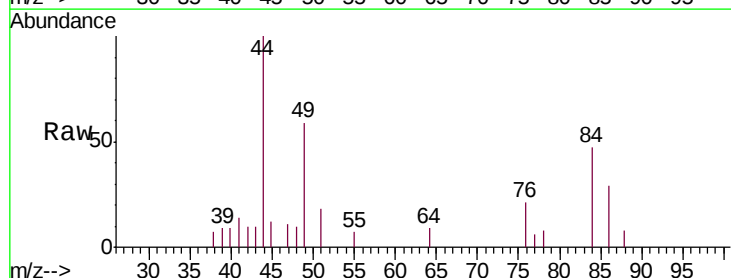
Instrument :
MSVOA_U
ClientSampled :
C0K28

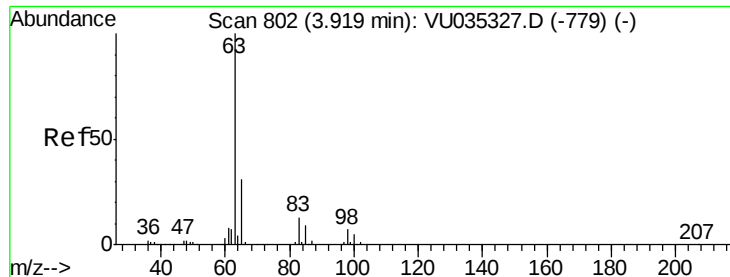
Tgt Ion: 43 Resp: 21933
Ion Ratio Lower Upper
43 100
74 0.3 20.3 30.5#



#16
Methylene chloride
Concen: 0.084 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU035343.D
Acq: 22 Oct 2019 00:38

Tgt Ion: 84 Resp: 1888
Ion Ratio Lower Upper
84 100
86 62.1 45.4 84.2
49 127.0 86.8 161.2

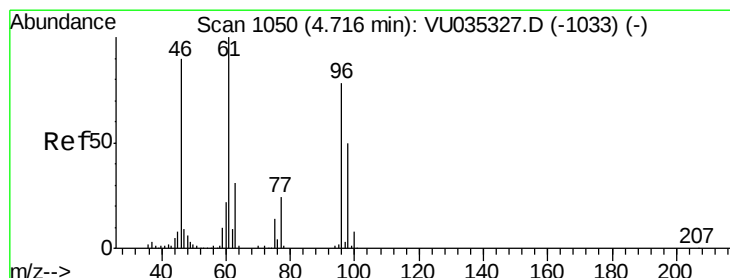
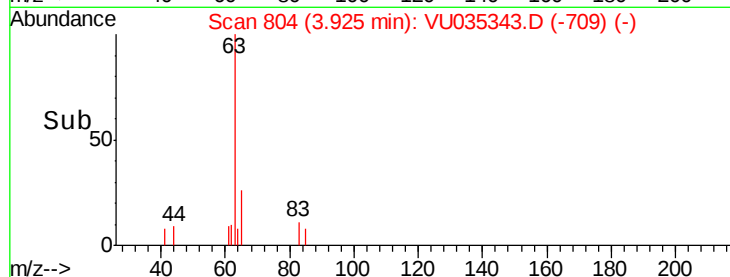
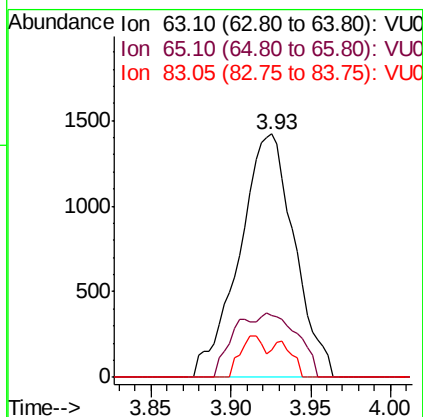
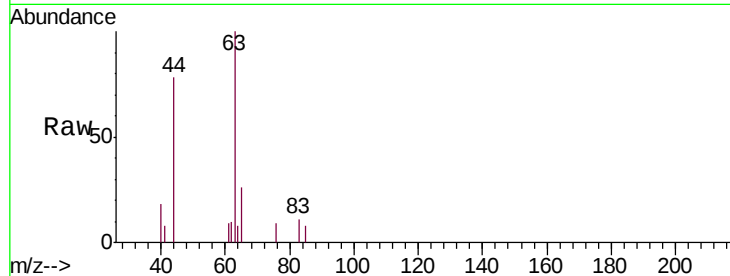




#19
 1,1-Dichloroethane
 Concen: 0.092 ug/L
 RT: 3.93 min Scan# 804
 Delta R.T. 0.01 min
 Lab File: VU035343.D
 Acq: 22 Oct 2019 00:38

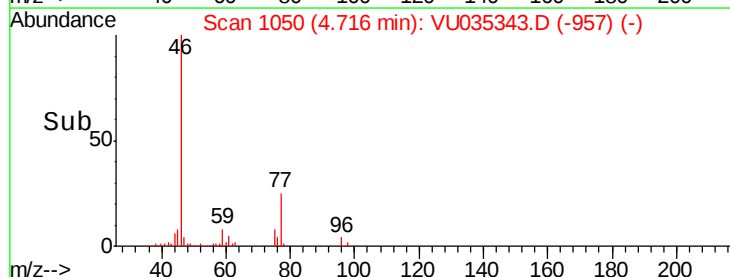
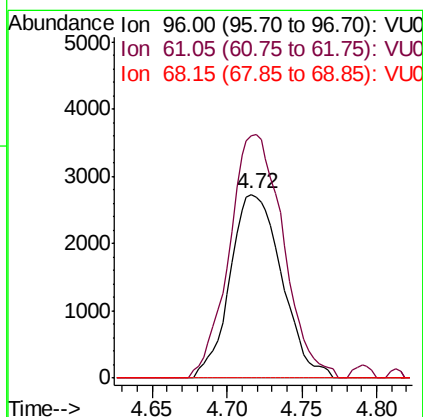
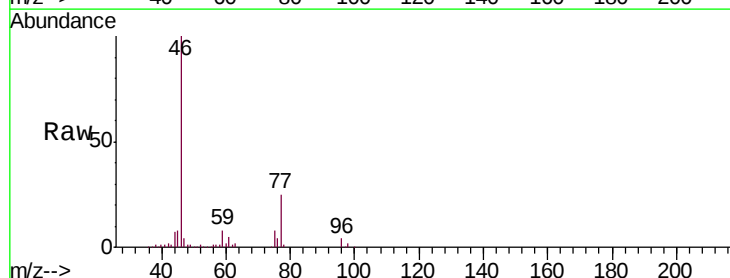
Instrument :
 MSVOA_U
 ClientSampleId :
 C0K28

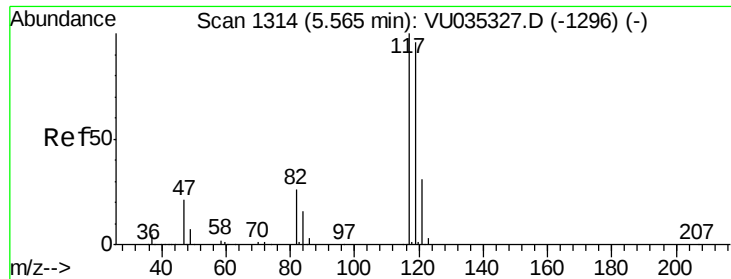
Tgt Ion: 63 Resp: 3350
 Ion Ratio Lower Upper
 63 100
 65 25.5 22.4 41.6
 83 11.1 9.3 17.3



#22
 cis-1,2-Dichloroethene
 Concen: 0.296 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU035343.D
 Acq: 22 Oct 2019 00:38

Tgt Ion: 96 Resp: 6580
 Ion Ratio Lower Upper
 96 100
 61 132.0 89.7 166.5
 68 0.0 0.0 0.0





#31

Carbon tetrachloride

Concen: 0.137 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU035343.D

Acq: 22 Oct 2019 00:38

Instrument :

MSVOA_U

ClientSampleId :

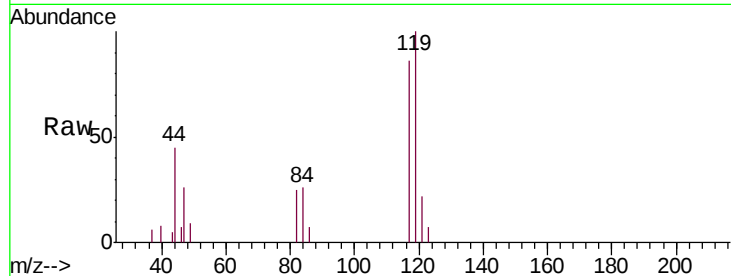
C0K28

Tgt Ion: 117 Resp: 4149

Ion Ratio Lower Upper

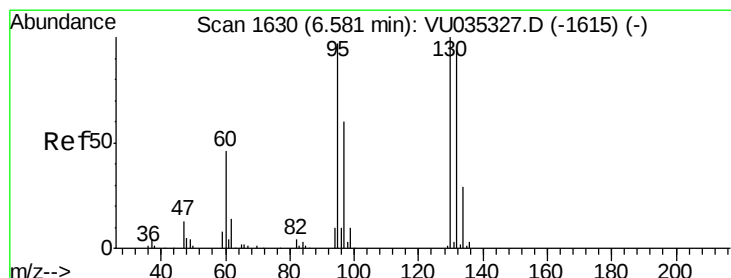
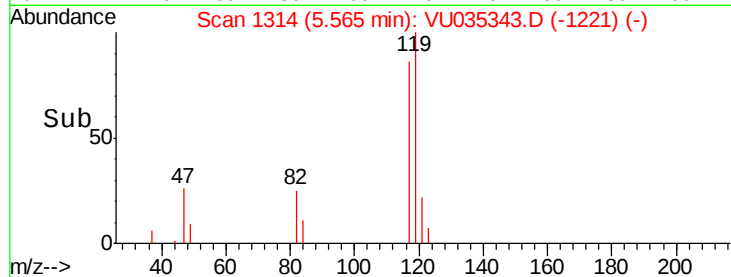
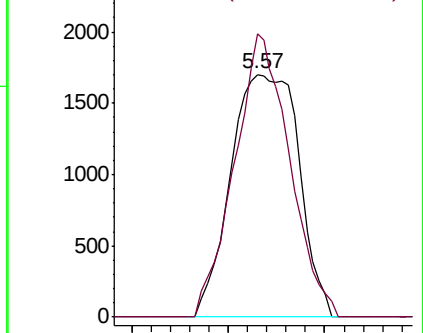
117 100

119 94.6 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 0.630 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035343.D

Acq: 22 Oct 2019 00:38

Tgt Ion: 95 Resp: 14298

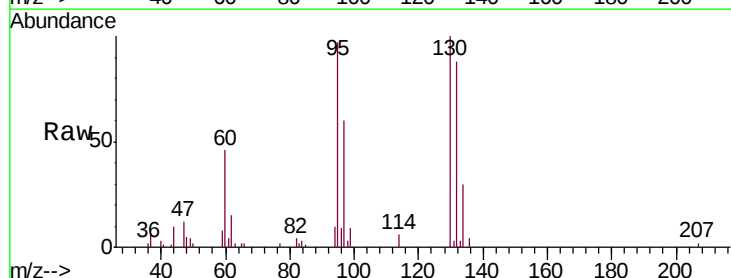
Ion Ratio Lower Upper

95 100

97 61.8 46.6 86.6

132 91.1 68.7 127.7

130 103.5 73.9 137.3

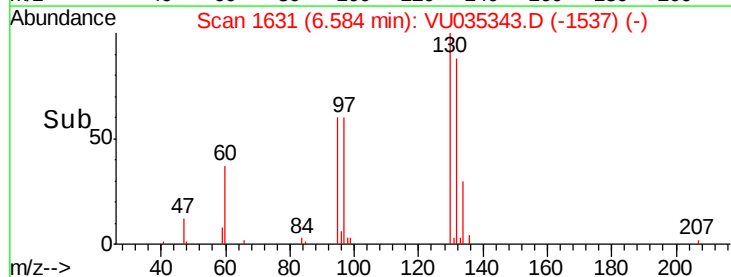
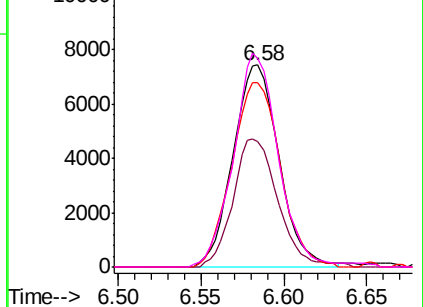


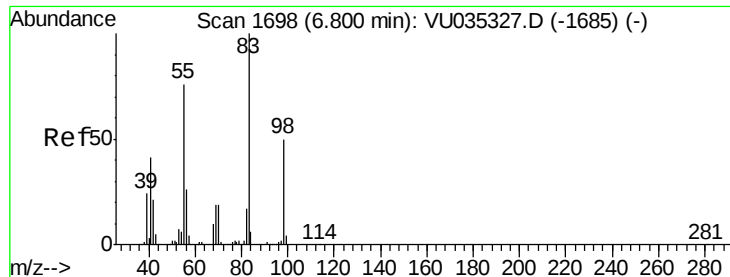
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

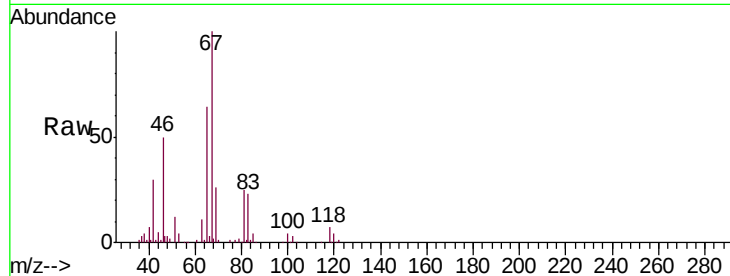




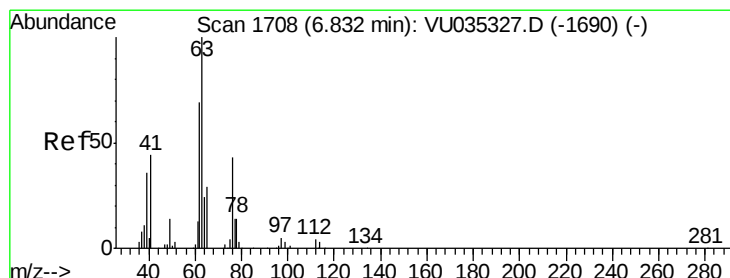
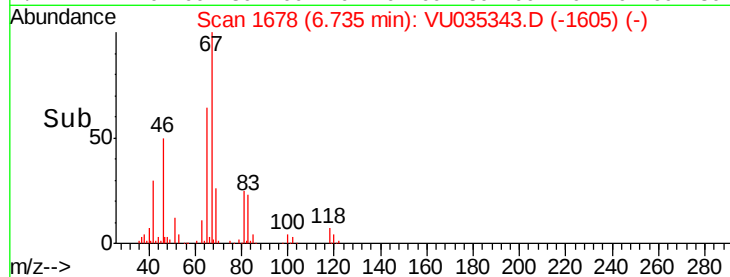
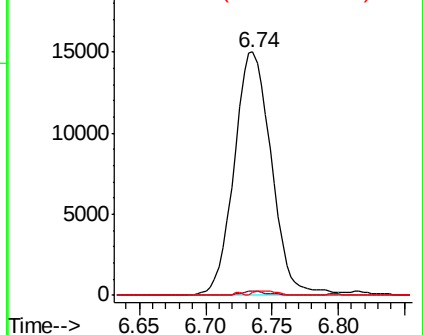
#35
Methylcyclohexane
Concen: 0.774 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035343.D
Acq: 22 Oct 2019 00:38

Instrument :
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ClientSampleId :
C0K28

Tgt Ion	Ratio	Lower	Upper
83	100		
55	1.3	60.4	90.6#
98	1.1	39.5	59.3#

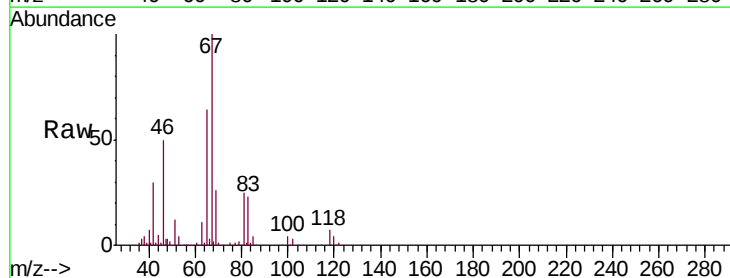


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

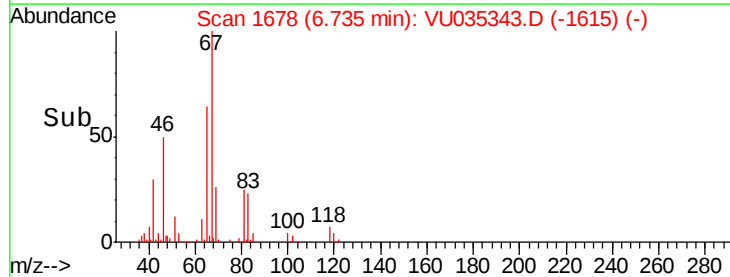
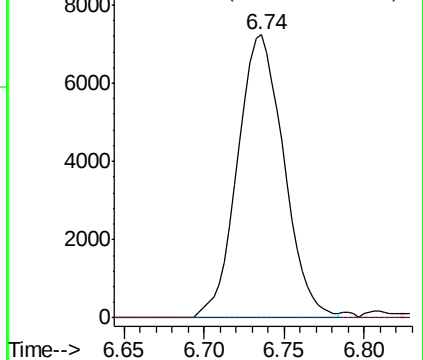


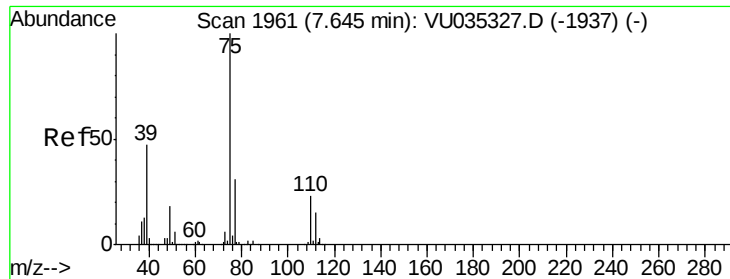
#37
1,2-Dichloropropane
Concen: 0.669 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.10 min
Lab File: VU035343.D
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Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.4	3.7	5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.60 min Scan# 1947

Delta R.T. -0.04 min

Lab File: VU035343.D

Acq: 22 Oct 2019 00:38

Instrument :

MSVOA_U

ClientSampleId :

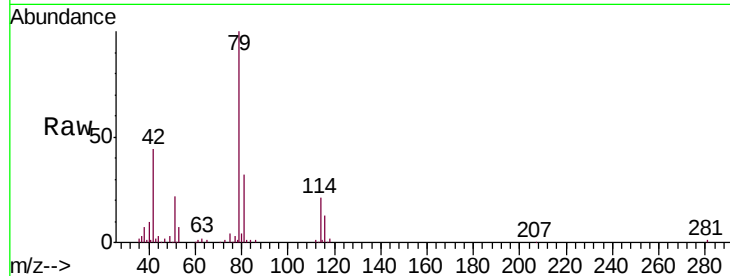
C0K28

Tgt Ion: 75 Resp: 3046

Ion Ratio Lower Upper

75 100

77 63.2 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU035327.D (-1937) (-)

Ion 77.05 (76.75 to 77.75): VU035327.D (-1937) (-)

7.60

1500

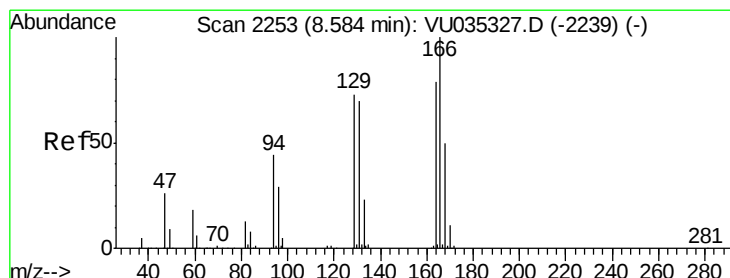
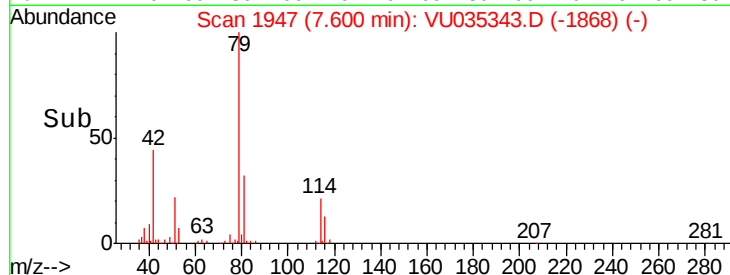
1000

500

0

7.55 7.60 7.65

Time-->



#47

Tetrachloroethene

Concen: 0.286 ug/L

RT: 8.59 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VU035343.D

Acq: 22 Oct 2019 00:38

Tgt Ion: 164 Resp: 5409

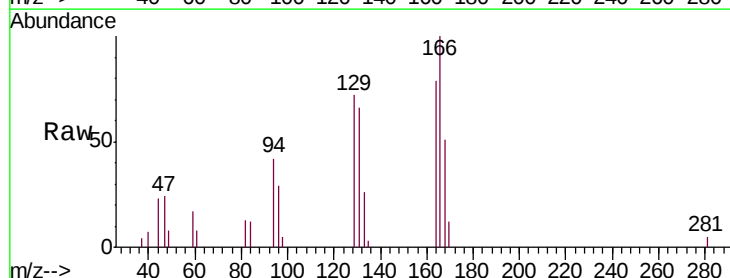
Ion Ratio Lower Upper

164 100

129 90.5 65.2 121.0

131 83.0 62.9 116.9

166 126.1 91.5 169.9



Abundance Ion 163.90 (163.60 to 164.60): VU035327.D (-2239) (-)

Ion 128.95 (128.65 to 129.65): VU035327.D (-2239) (-)

Ion 130.95 (130.65 to 131.65): VU035327.D (-2239) (-)

Ion 165.90 (165.60 to 166.60): VU035327.D (-2239) (-)

6000

5000

4000

3000

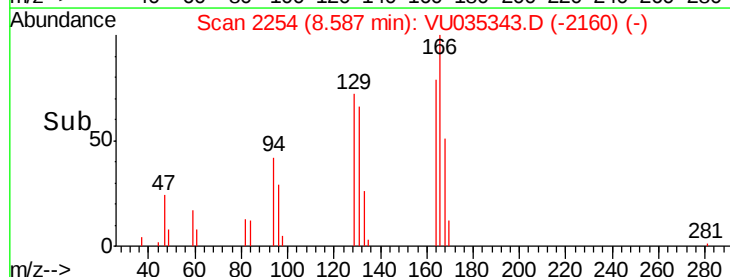
2000

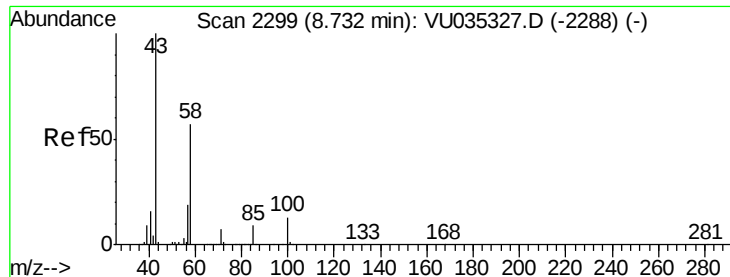
1000

0

8.55 8.60 8.65

Time-->

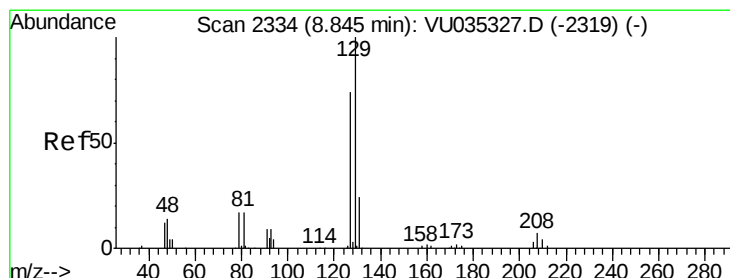
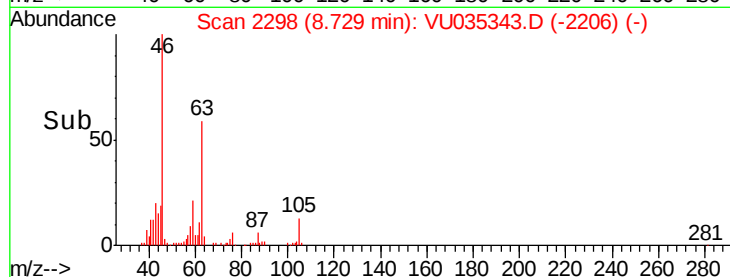
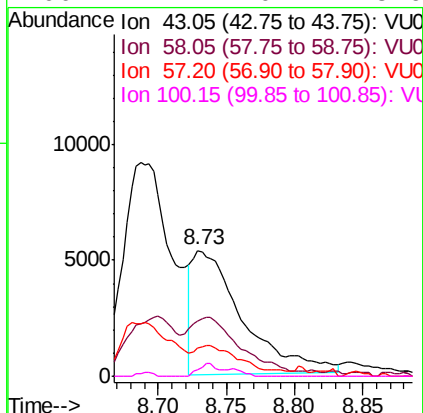
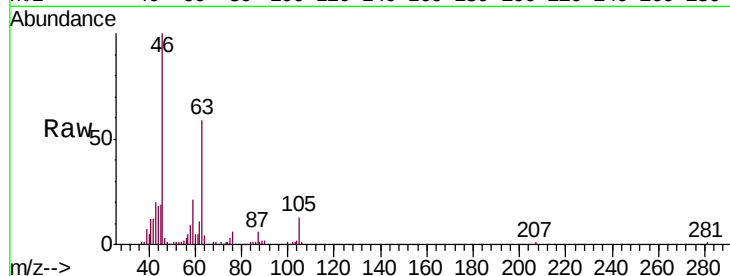




#48
2-Hexanone
Concen: 1.360 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VU035343.D
Acq: 22 Oct 2019 00:38

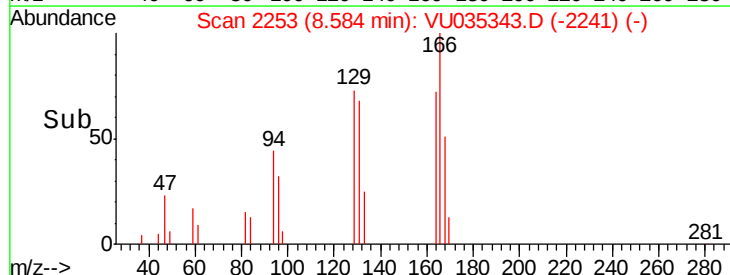
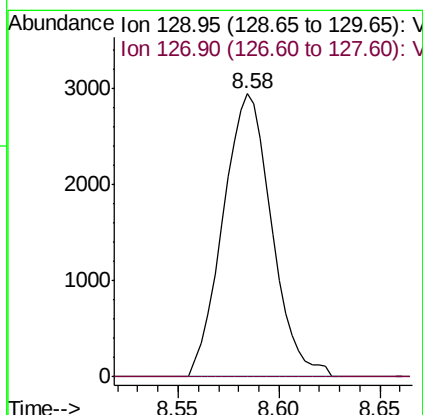
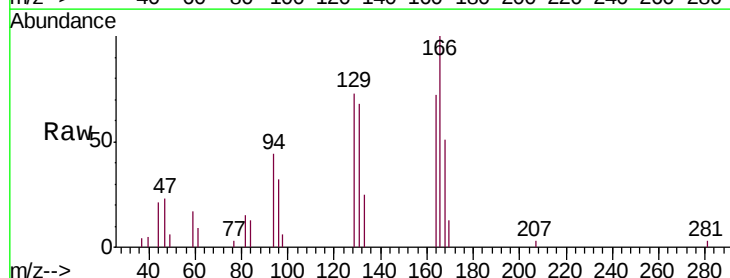
Instrument :
MSVOA_U
ClientSampleId :
C0K28

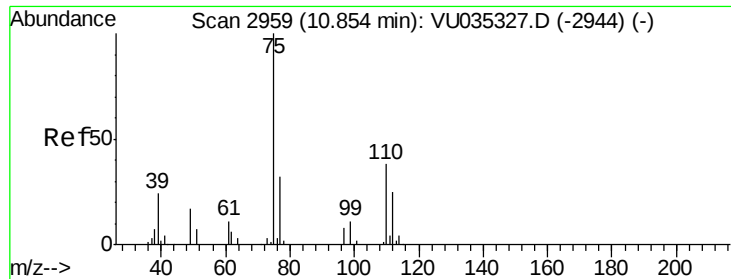
Tgt Ion: 43 Resp: 13785
Ion Ratio Lower Upper
43 100
58 44.0 45.1 67.7#
57 16.7 16.0 24.0
100 4.1 10.4 15.6#



#49
Dibromochloromethane
Concen: 0.246 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035343.D
Acq: 22 Oct 2019 00:38

Tgt Ion: 129 Resp: 4960
Ion Ratio Lower Upper
129 100
127 0.0 53.8 99.8#





#59
 1,2,3-Trichloropropane
 Concen: 0.879 ug/L
 RT: 11.84 min Scan# 3267
 Delta R.T. 0.99 min
 Lab File: VU035343.D
 Acq: 22 Oct 2019 00:38

Instrument :
 MSVOA_U
 ClientSampleId :
 C0K28

Tgt Ion: 75 Resp: 13109
 Ion Ratio Lower Upper
 75 100
 77 35.8 26.2 39.2

