

Data File : VU035342.D
Acq On : 22 Oct 2019 00:13
Operator : JC/SP
Sample : K5458-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0K27

Quant Time: Oct 22 06:44:56 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	279109	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	284131	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	106577	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	123884	7.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	145.60%#
7) Chloroethane-d5	1.93	69	104590	6.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	134.40%#
11) 1,1-Dichloroethene-d2	2.60	63	158632	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.80%
20) 2-Butanone-d5	4.70	46	269478	55.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.20%
24) Chloroform-d	5.11	84	194558	6.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	125.20%#
26) 1,2-Dichloroethane-d4	5.75	65	107763	6.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	125.00%
32) Benzene-d6	5.77	84	397260	6.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	122.20%
36) 1,2-Dichloropropane-d6	6.74	67	125678	6.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	121.80%
41) Toluene-d8	7.93	98	353549	5.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.80%
43) trans-1,3-Dichloropropene-	8.22	79	47178	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
46) 2-Hexanone-d5	8.69	63	219607	49.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.48%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	101930	5.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	114498	5.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.00%

Target Compounds

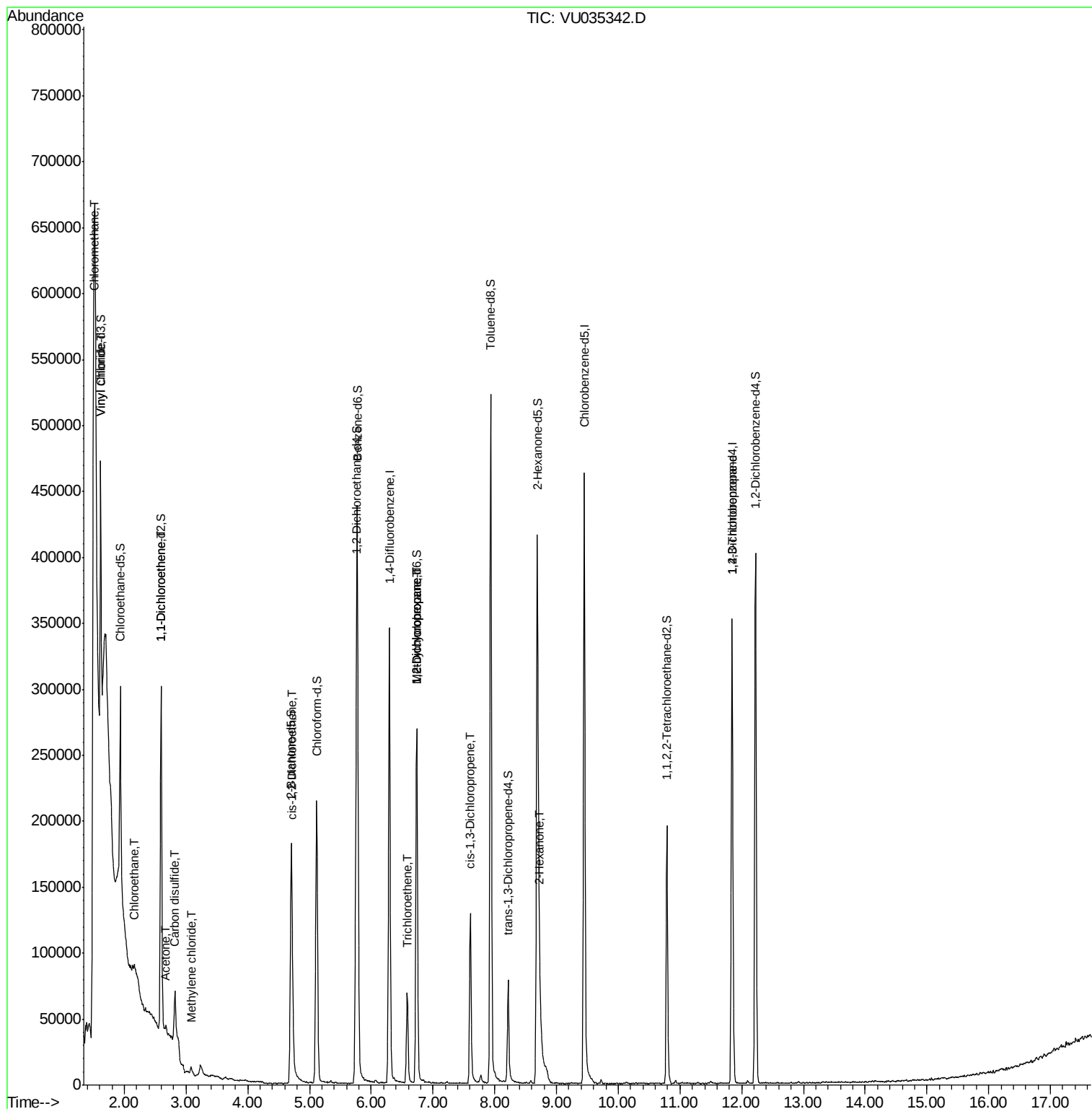
					Qvalue
3) Chloromethane	1.51	50	21295	0.904 ug/L #	41
5) Vinyl chloride	1.62	62	18345	0.758 ug/L #	1
8) Chloroethane	2.16	64	35592	2.281 ug/L #	51
12) 1,1-Dichloroethene	2.60	96	1681	0.094 ug/L #	1
13) Acetone	2.67	43	4368	1.284 ug/L	86
14) Carbon disulfide	2.82	76	11448	0.202 ug/L #	88
16) Methylene chloride	3.08	84	2312	0.107 ug/L	94
22) cis-1,2-Dichloroethene	4.72	96	8949	0.418 ug/L	88
34) Trichloroethene	6.58	95	23368	1.040 ug/L	97
35) Methylcyclohexane	6.74	83	30241	0.805 ug/L #	19
37) 1,2-Dichloropropane	6.74	63	14366	0.677 ug/L #	86
39) cis-1,3-Dichloropropene	7.61	75	3262	0.092 ug/L #	59
48) 2-Hexanone	8.73	43	13904	1.384 ug/L #	90
59) 1,2,3-Trichloropropane	11.84	75	13288	0.899 ug/L	92

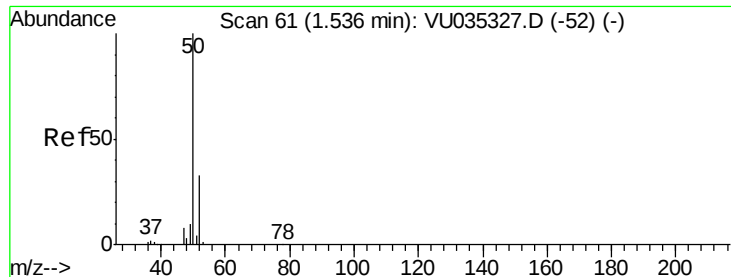
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.904 ug/L

RT: 1.51 min Scan# 53

Delta R.T. -0.03 min

Lab File: VU035342.D

Acq: 22 Oct 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

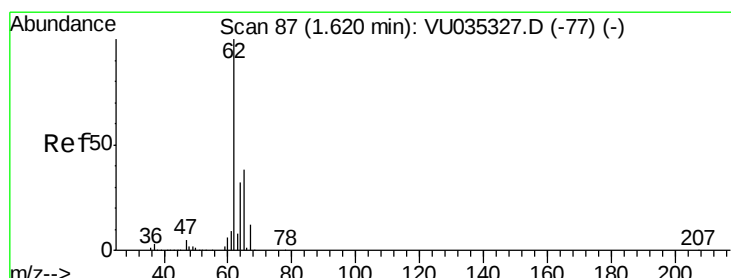
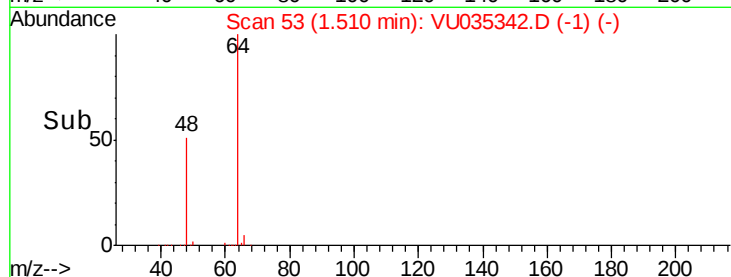
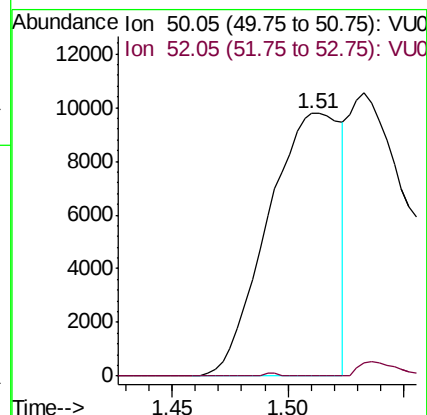
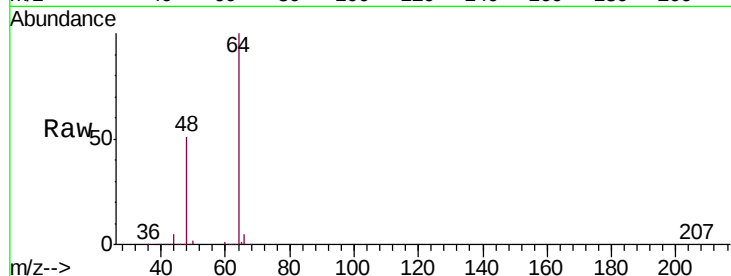
C0K27

Tgt Ion: 50 Resp: 21295

Ion Ratio Lower Upper

50 100

52 0.0 23.5 43.7#



#5

Vinyl chloride

Concen: 0.758 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035342.D

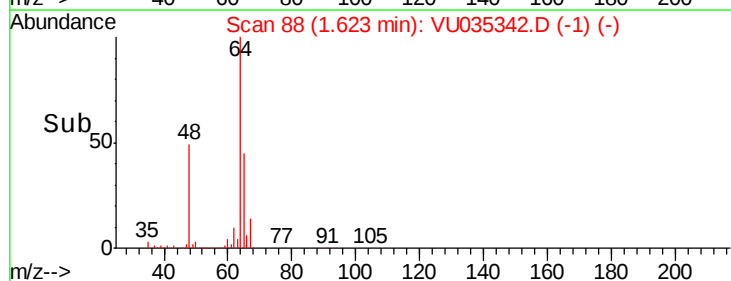
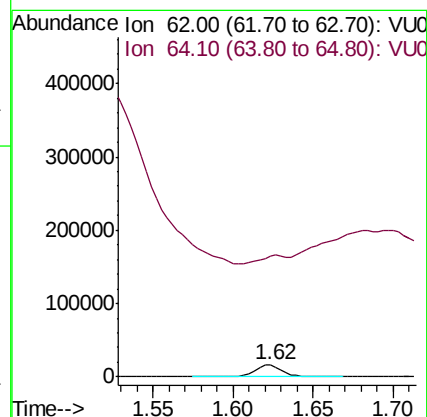
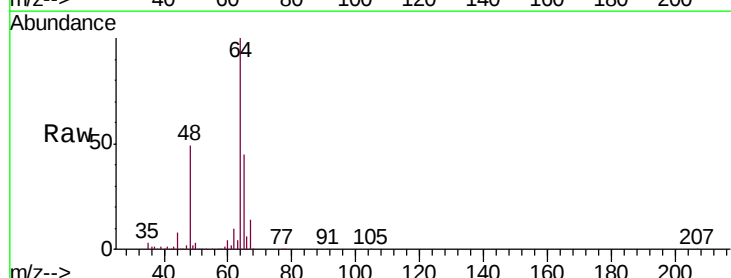
Acq: 22 Oct 2019 00:13

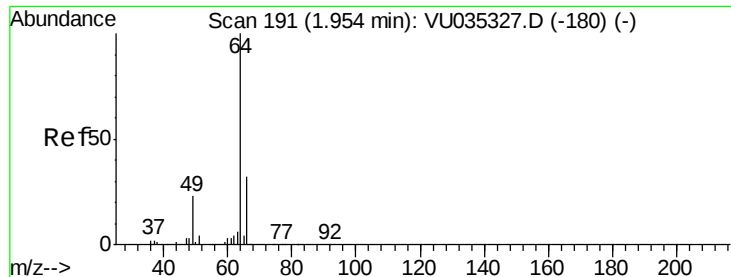
Tgt Ion: 62 Resp: 18345

Ion Ratio Lower Upper

62 100

64 999.2 22.9 42.5#





#8

Chloroethane

Concen: 2.281 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.21 min

Lab File: VU035342.D

Acq: 22 Oct 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

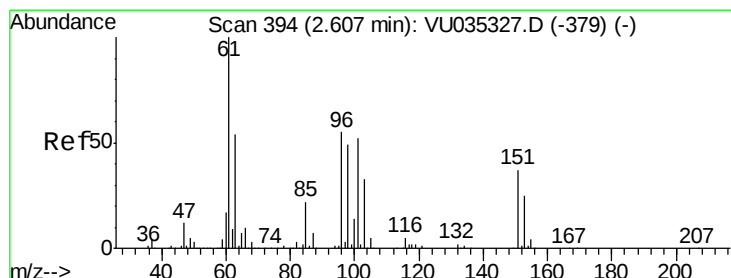
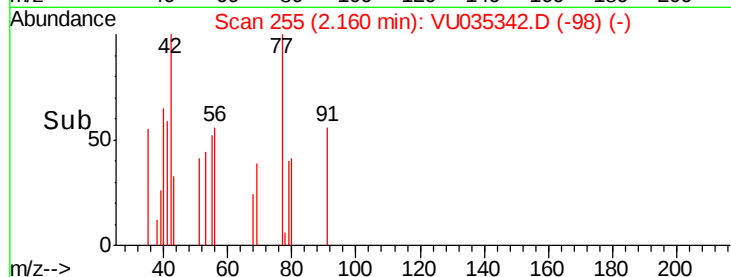
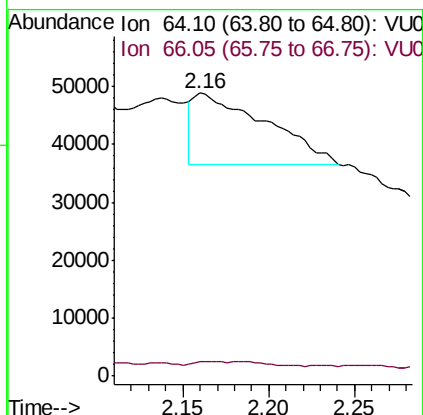
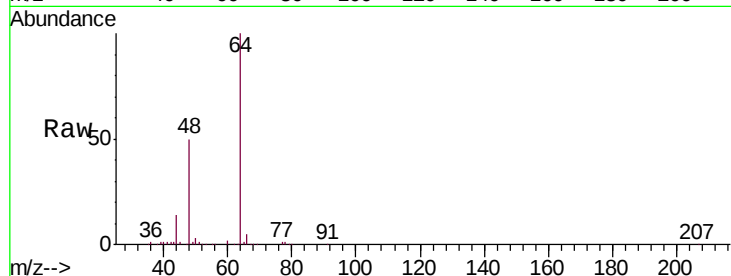
C0K27

Tgt Ion: 64 Resp: 35592

Ion Ratio Lower Upper

64 100

66 5.0 22.7 42.1#



#12

1,1-Dichloroethene

Concen: 0.094 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU035342.D

Acq: 22 Oct 2019 00:13

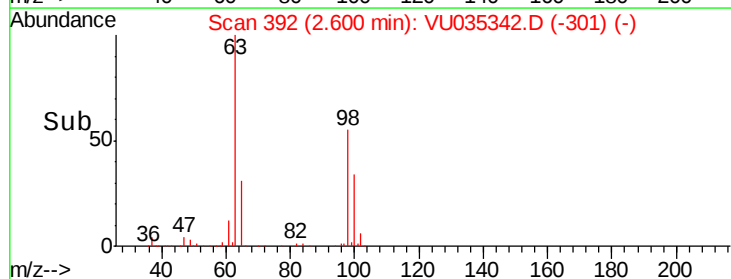
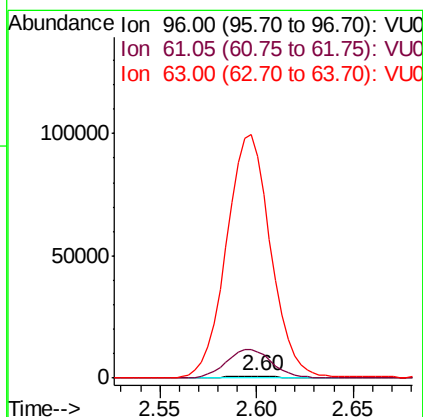
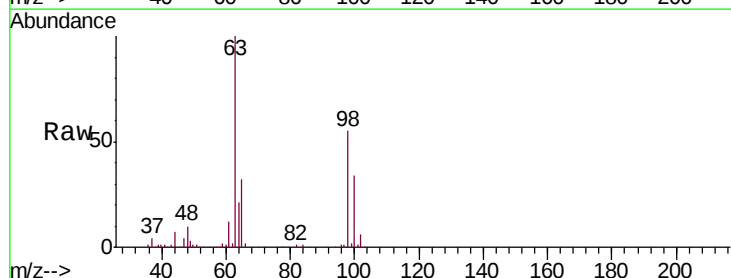
Tgt Ion: 96 Resp: 1681

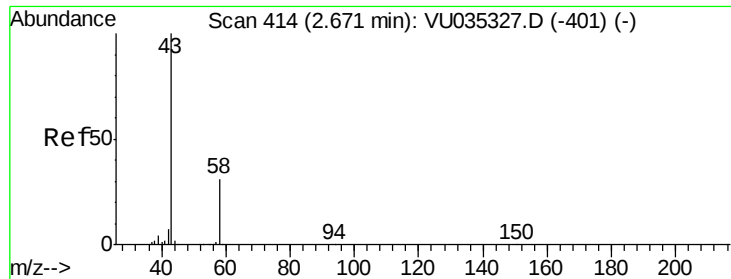
Ion Ratio Lower Upper

96 100

61 1367.0 120.6 224.0#

63 11423.1 86.8 161.2#





#13

Acetone

Concen: 1.284 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU035342.D

Acq: 22 Oct 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

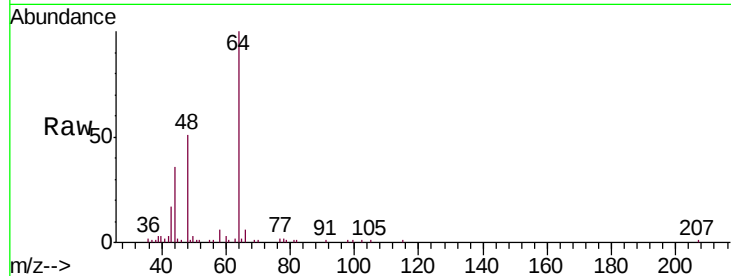
C0K27

Tgt Ion: 43 Resp: 4368

Ion Ratio Lower Upper

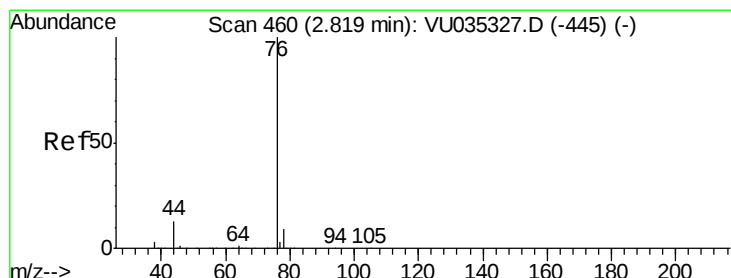
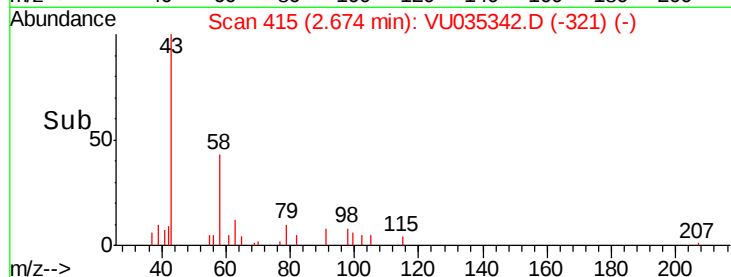
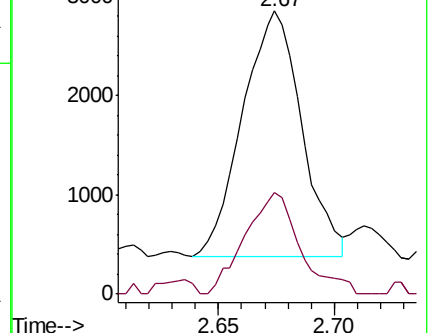
43 100

58 38.7 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035327.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU035327.D (-401) (-)



#14

Carbon disulfide

Concen: 0.202 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035342.D

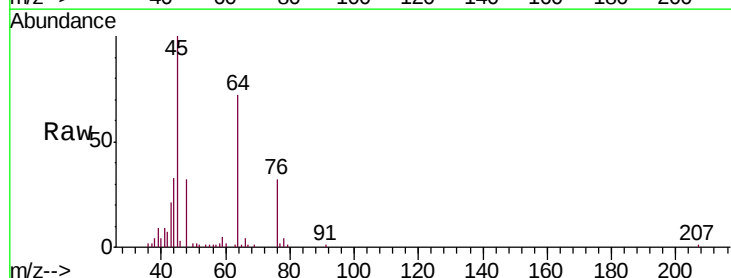
Acq: 22 Oct 2019 00:13

Tgt Ion: 76 Resp: 11448

Ion Ratio Lower Upper

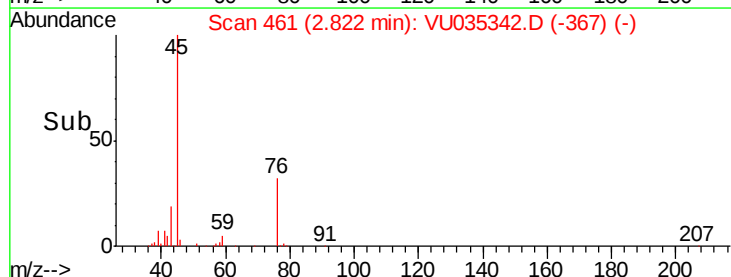
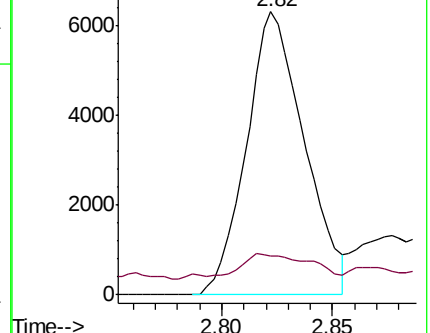
76 100

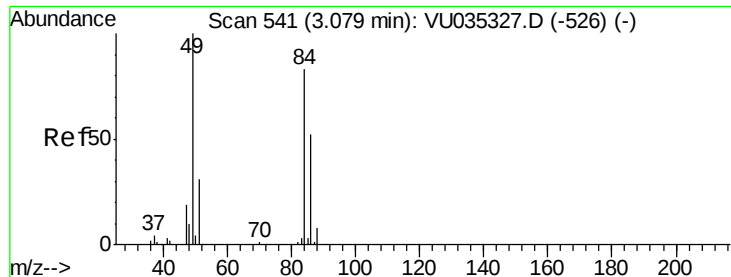
78 13.8 7.6 11.4#



Abundance Ion 76.05 (75.75 to 76.75): VU035327.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU035327.D (-445) (-)

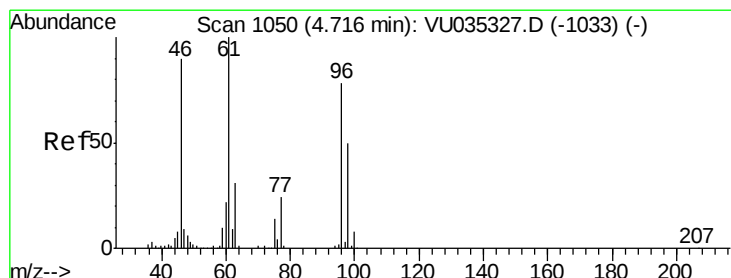
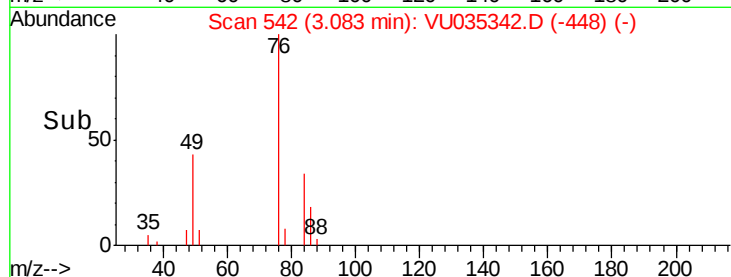
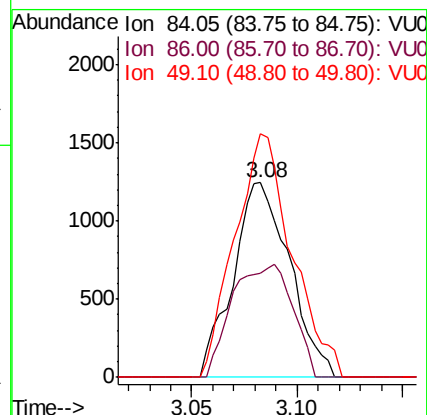
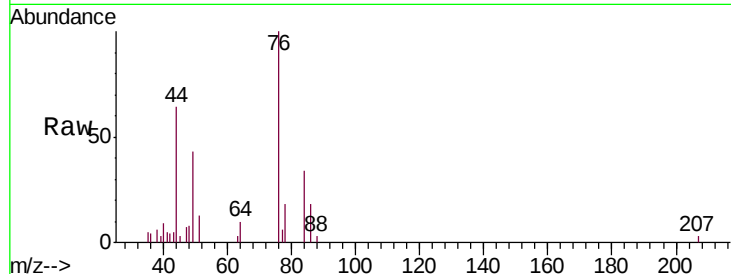




#16
Methylene chloride
Concen: 0.107 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035342.D
Acq: 22 Oct 2019 00:13

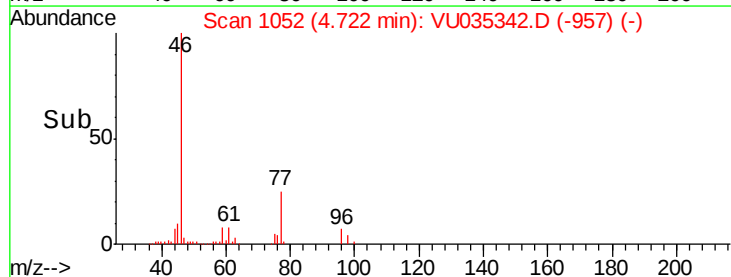
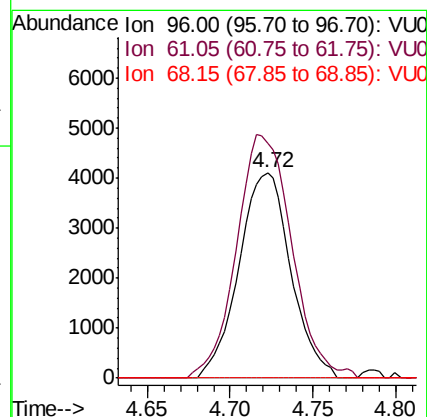
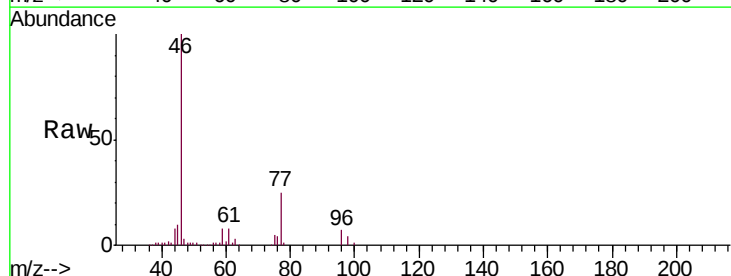
Instrument :
MSVOA_U
ClientSampleId :
C0K27

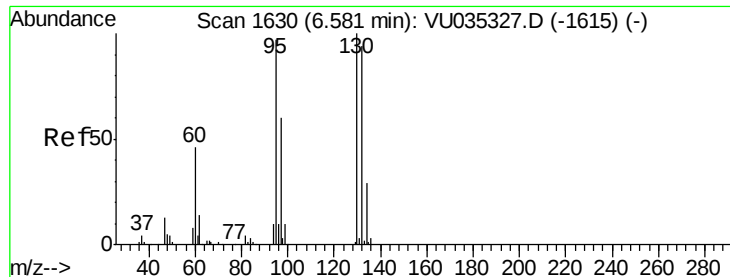
Tgt Ion: 84 Resp: 2312
Ion Ratio Lower Upper
84 100
86 53.7 45.4 84.2
49 125.3 86.8 161.2



#22
cis-1,2-Dichloroethene
Concen: 0.418 ug/L
RT: 4.72 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VU035342.D
Acq: 22 Oct 2019 00:13

Tgt Ion: 96 Resp: 8949
Ion Ratio Lower Upper
96 100
61 114.1 89.7 166.5
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 1.040 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035342.D

Acq: 22 Oct 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

C0K27

Tgt Ion: 95 Resp: 23368

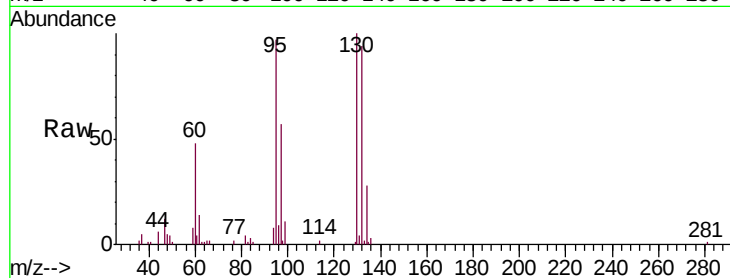
Ion Ratio Lower Upper

95 100

97 59.2 46.6 86.6

132 97.6 68.7 127.7

130 103.3 73.9 137.3

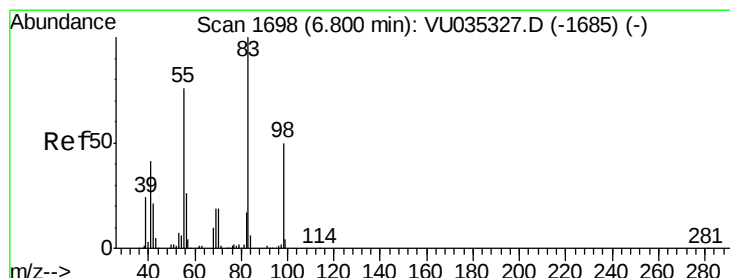
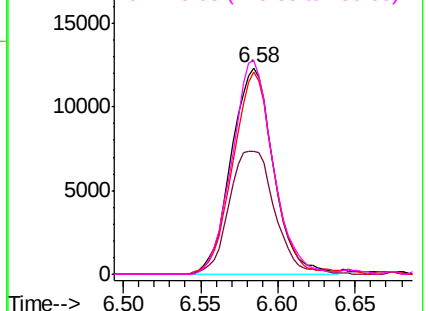
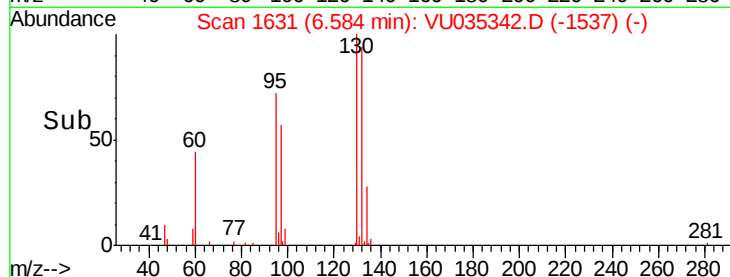


Abundance Ion 95.00 (94.70 to 95.70): VU035342.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU035342.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035342.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU035342.D (-1537) (-)



#35

Methylcyclohexane

Concen: 0.805 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035342.D

Acq: 22 Oct 2019 00:13

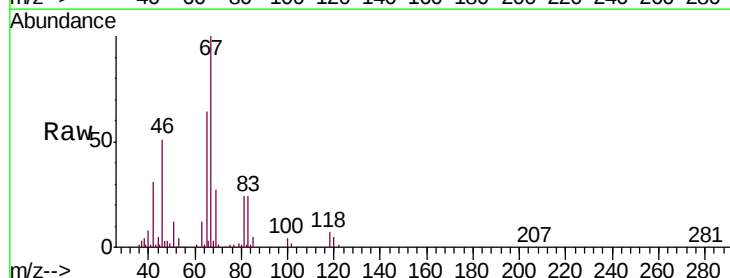
Tgt Ion: 83 Resp: 30241

Ion Ratio Lower Upper

83 100

55 0.7 60.4 90.6#

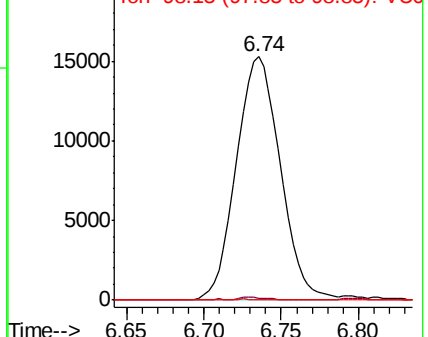
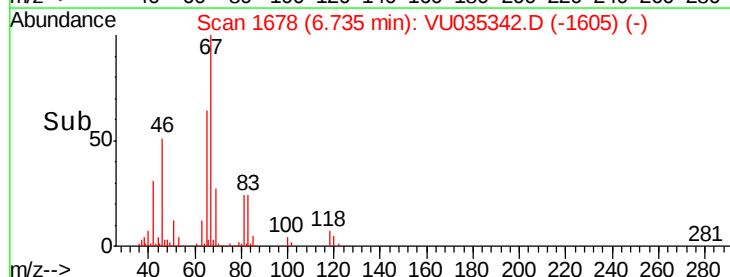
98 0.1 39.5 59.3#

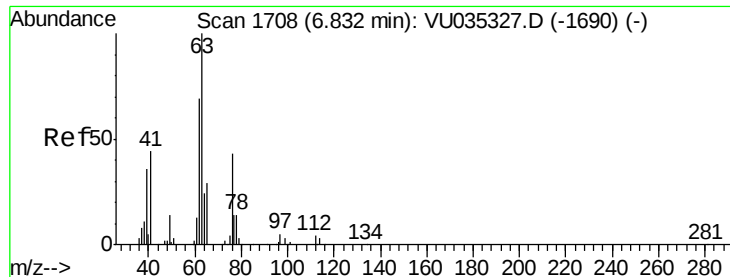


Abundance Ion 83.15 (82.85 to 83.85): VU035342.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU035342.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU035342.D (-1605) (-)

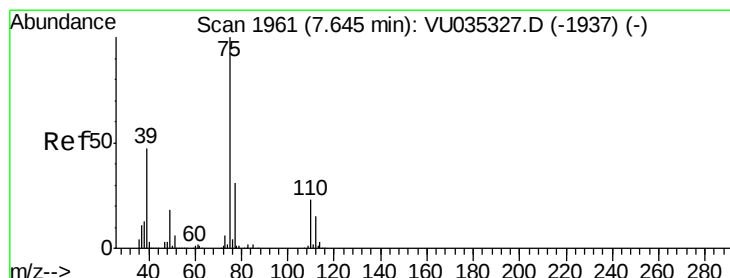
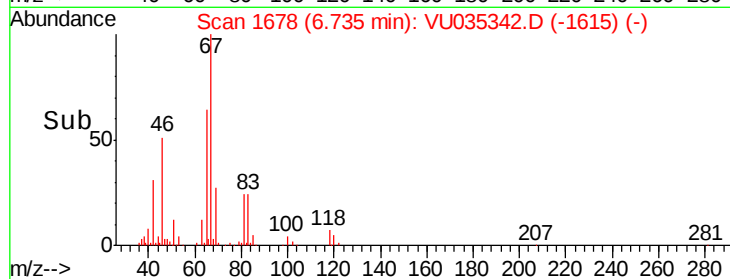
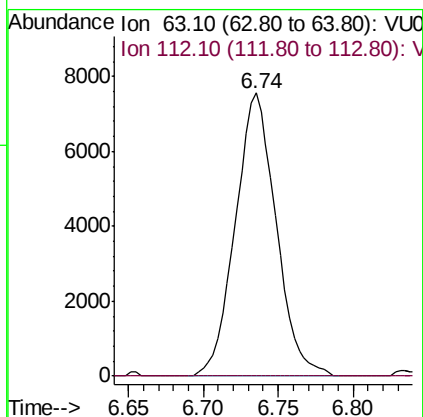
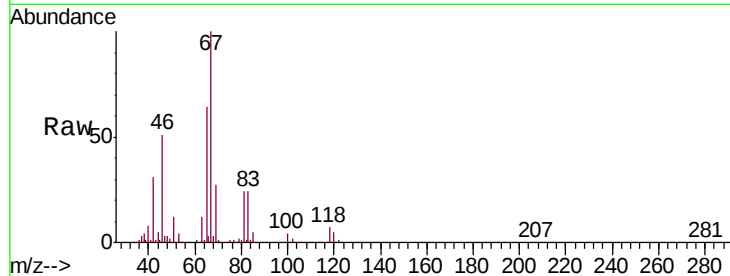




#37
 1,2-Dichloropropane
 Concen: 0.677 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.10 min
 Lab File: VU035342.D
 Acq: 22 Oct 2019 00:13

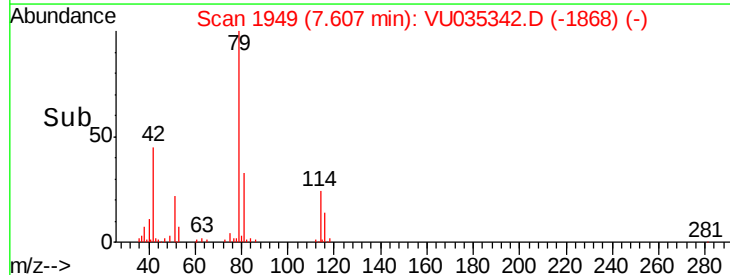
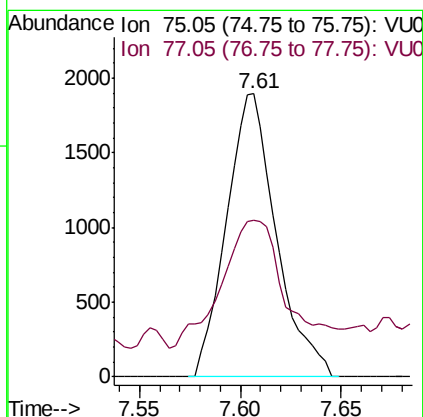
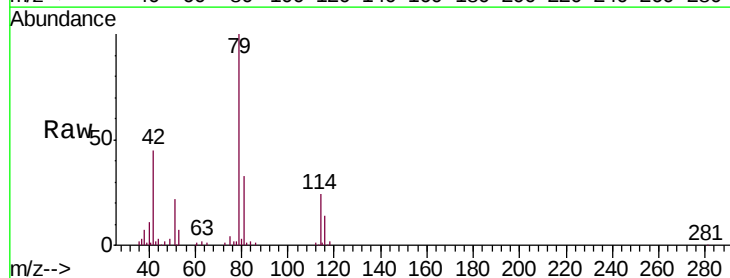
Instrument :
 MSVOA_U
 ClientSampleId :
 C0K27

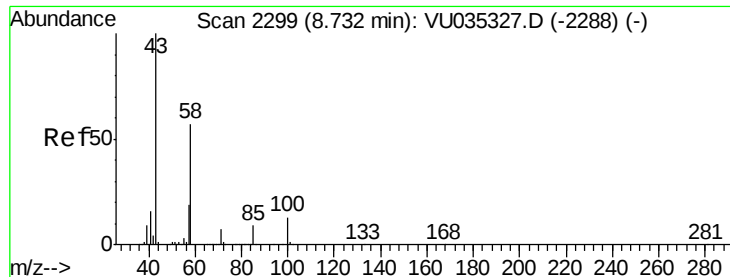
Tgt Ion: 63 Resp: 14366
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 7.61 min Scan# 1949
 Delta R.T. -0.04 min
 Lab File: VU035342.D
 Acq: 22 Oct 2019 00:13

Tgt Ion: 75 Resp: 3262
 Ion Ratio Lower Upper
 75 100
 77 55.4 22.7 42.1#

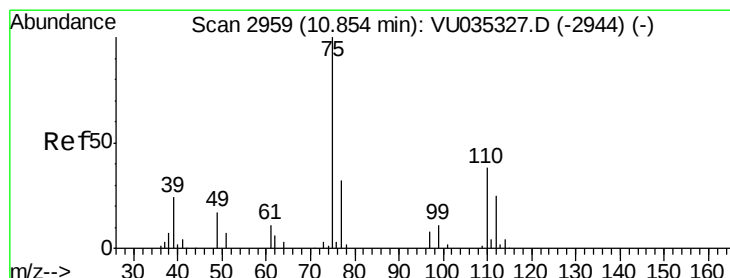
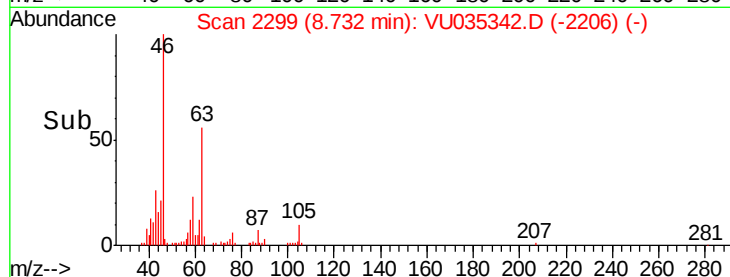
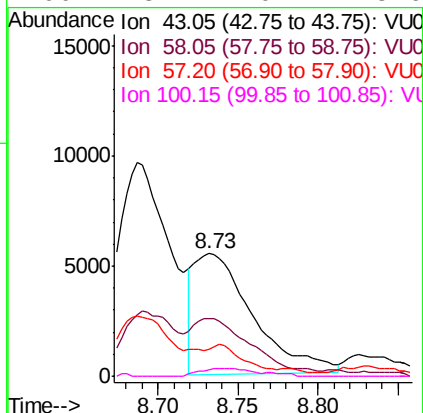
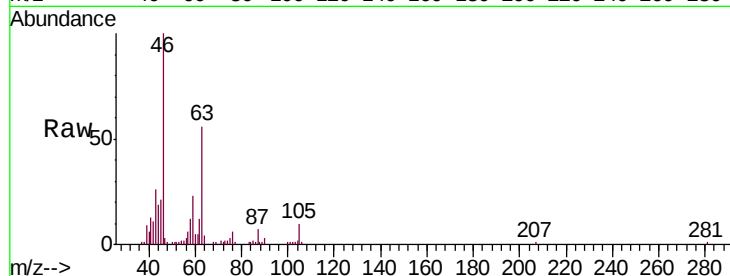




#48
 2-Hexanone
 Concen: 1.384 ug/L
 RT: 8.73 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VU035342.D
 Acq: 22 Oct 2019 00:13

Instrument :
 MSVOA_U
 ClientSampled :
 C0K27

Tgt Ion: 43 Resp: 13904
 Ion Ratio Lower Upper
 43 100
 58 50.3 45.1 67.7
 57 16.2 16.0 24.0
 100 5.4 10.4 15.6#



#59
 1,2,3-Trichloropropane
 Concen: 0.899 ug/L
 RT: 11.84 min Scan# 3266
 Delta R.T. 0.99 min
 Lab File: VU035342.D
 Acq: 22 Oct 2019 00:13

Tgt Ion: 75 Resp: 13288
 Ion Ratio Lower Upper
 75 100
 77 36.9 26.2 39.2

