

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
 Data File : VU026733.D
 Acq On : 13 Sep 2018 18:17
 Operator : MD/SY
 Sample : J4893-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K2

Quant Time: Sep 14 01:22:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 14 01:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	189907	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	184070	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	96752	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	61158	43.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.42%
7) Chloroethane-d5	1.68	69	48928	42.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	2.27	63	86155	34.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.04%
21) 2-Butanone-d5	4.18	46	82053	93.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.17%
24) Chloroform-d	4.65	84	97012	41.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.46%
26) 1,2-Dichloroethane-d4	5.31	65	65658	42.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.26%
32) Benzene-d6	5.34	84	206077	43.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.52%
36) 1,2-Dichloropropane-d6	6.33	67	68725	42.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.98%
41) Toluene-d8	7.57	98	188145	42.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.18%
43) trans-1,3-Dichloropropene-	7.85	79	29793	40.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.16%
47) 2-Hexanone-d5	8.31	63	57801	88.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.61%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	90676	41.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.86%
64) 1,2-Dichlorobenzene-d4	11.87	152	88263	45.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.52%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	704	0.604 ug/L #	18
12) 1,1-Dichloroethene	2.28	96	727	0.649 ug/L #	1
13) Acetone	2.32	43	1785	1.780 ug/L	92
25) Chloroform	4.67	83	1785	0.772 ug/L	96
37) 1,2-Dichloropropane	6.33	63	7247	5.033 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1649	0.774 ug/L #	64
44) trans-1,3-Dichloropropene	7.85	75	1304	0.658 ug/L	83
51) Chlorobenzene	9.12	112	2955985	842.645 ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	51304	30.111 ug/L #	44
62) 1,3-Dichlorobenzene	11.42	146	174128	62.679 ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	714743	242.864 ug/L	99
65) 1,2-Dichlorobenzene	11.89	146	7968441	2713.980 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	3483	7.343 ug/L #	1
67) 1,3,5-Trichlorobenzene	12.89	180	3374	1.531 ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	1147604	599.179 ug/L	99
69) Naphthalene	13.75	128	2562	0.437 ug/L #	91
70) 1,2,3-Trichlorobenzene	13.99	180	184383	88.873 ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
Data File : VU026733.D
Acq On : 13 Sep 2018 18:17
Operator : MD/SY
Sample : J4893-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08K2

Quant Time: Sep 14 01:22:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 14 01:21:50 2018
Response via : Initial Calibration

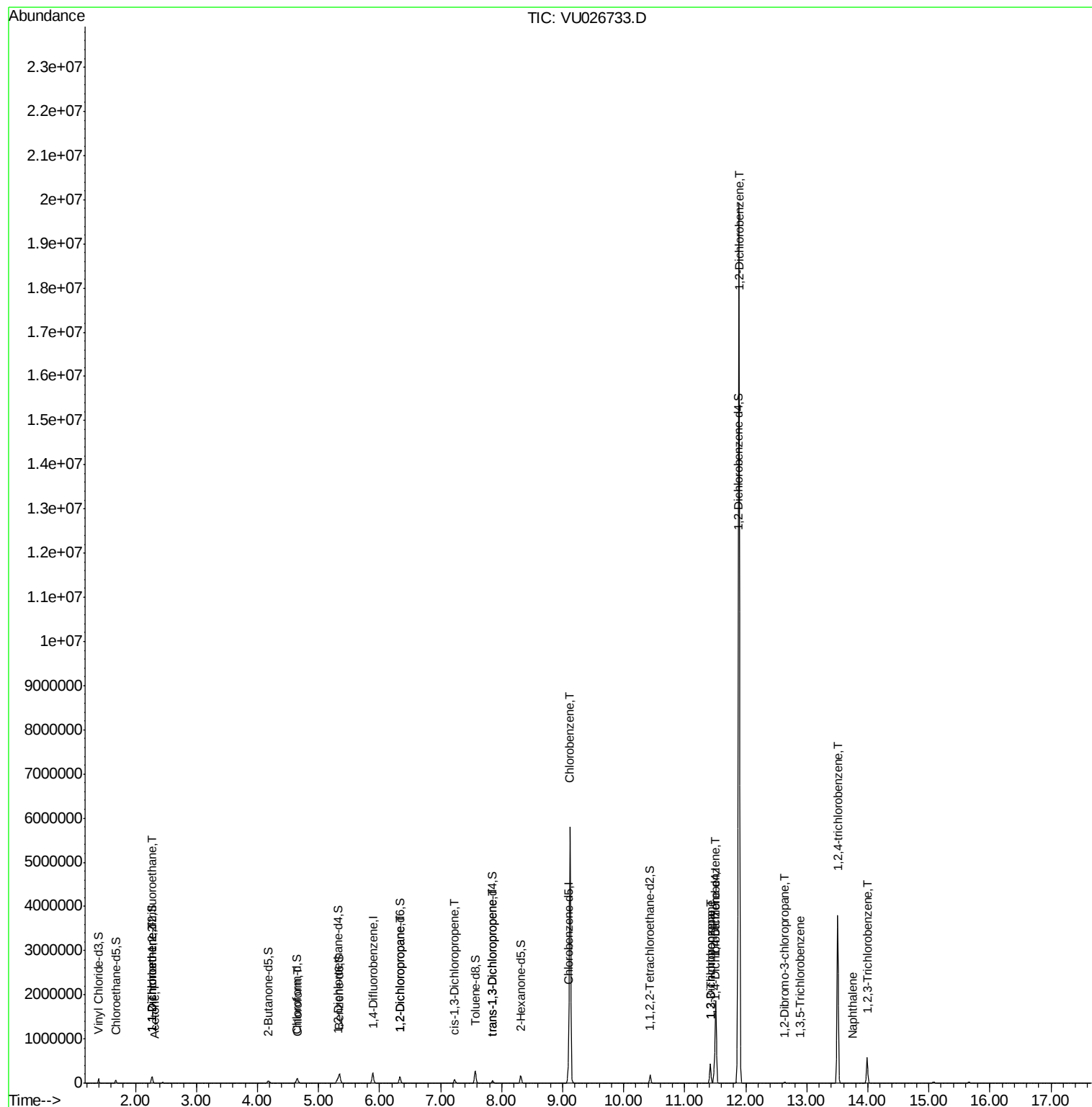
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

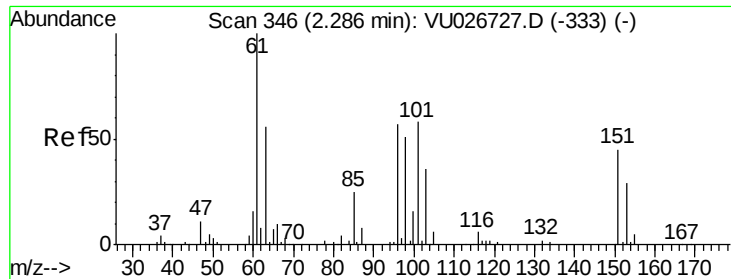
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
Data File : VU026733.D
Acq On : 13 Sep 2018 18:17
Operator : MD/SY
Sample : J4893-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08K2

Quant Time: Sep 14 01:22:28 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 14 01:21:50 2018
Response via : Initial Calibration





#10

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

Concen: 0.604 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026733.D

Acq: 13 Sep 2018 18:17

Instrument :

MSVOA_U

ClientSampleId :

C08K2

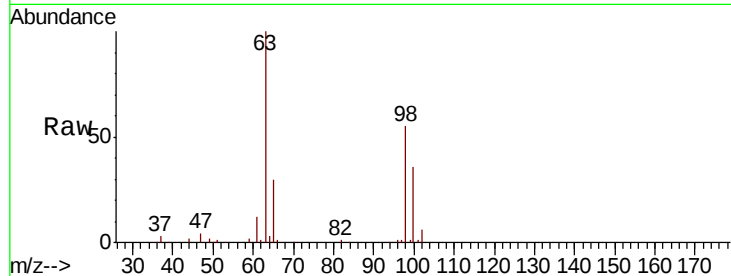
Tgt Ion:101 Resp: 704

Ion Ratio Lower Upper

101 100

85 0.0 34.1 51.1#

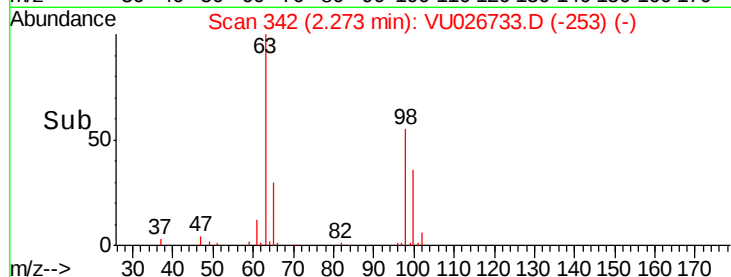
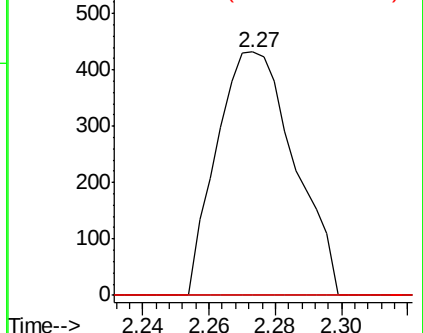
151 0.0 62.6 94.0#



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: 0.649 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU026733.D

Acq: 13 Sep 2018 18:17

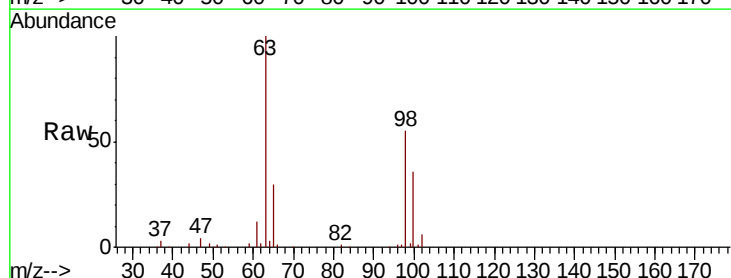
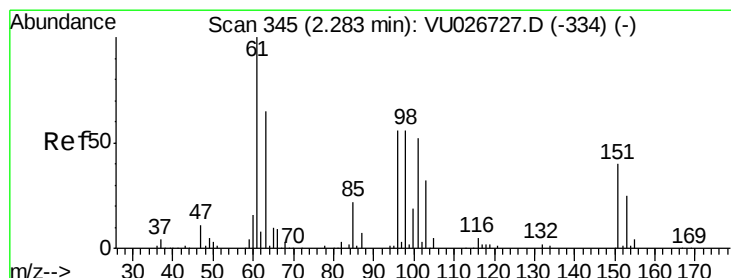
Tgt Ion: 96 Resp: 727

Ion Ratio Lower Upper

96 100

61 1169.8 121.0 224.8#

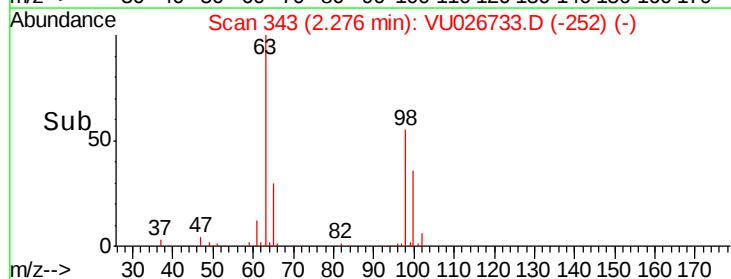
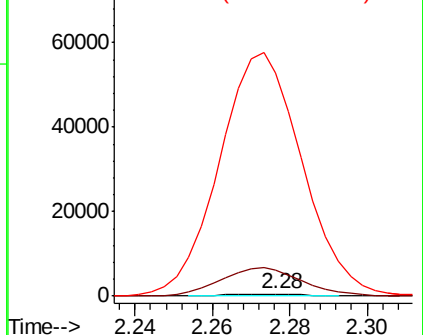
63 10051.7 89.9 166.9#

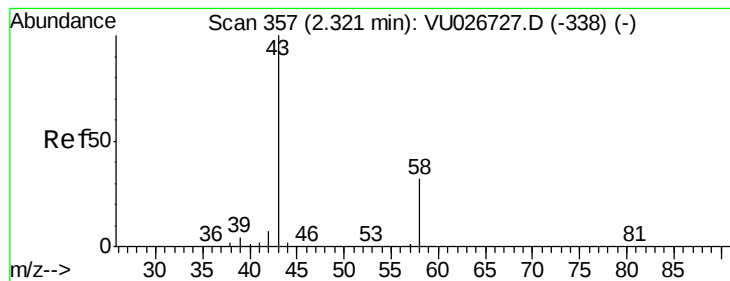


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.780 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU026733.D

Acq: 13 Sep 2018 18:17

Instrument :

MSVOA_U

ClientSampleId :

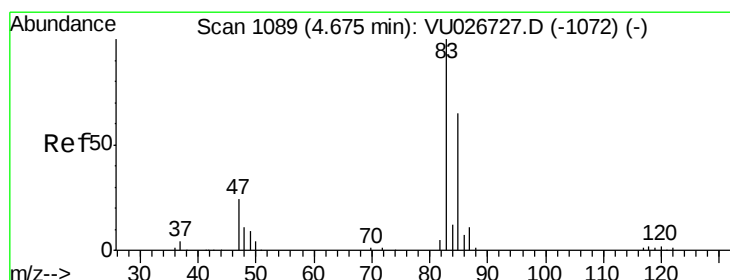
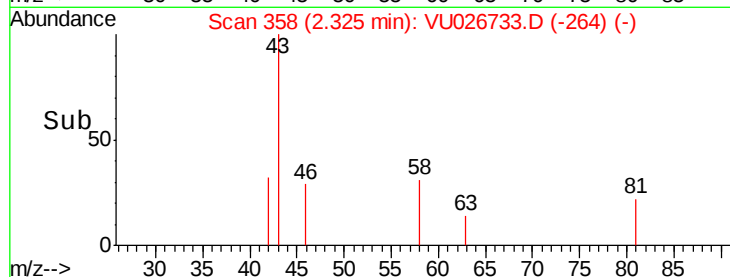
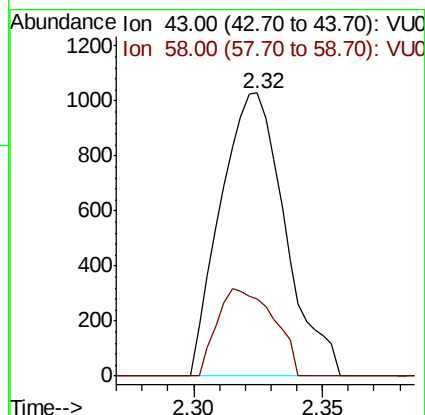
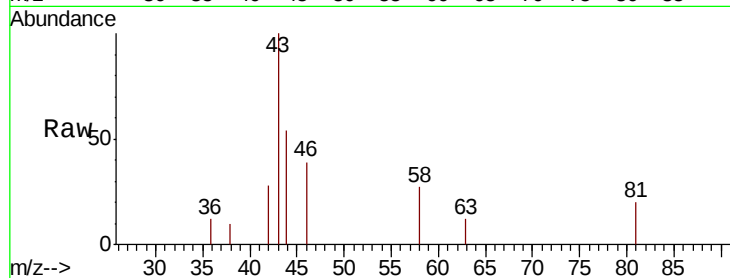
C08K2

Tgt Ion: 43 Resp: 1785

Ion Ratio Lower Upper

43 100

58 27.2 0.0 62.8



#25

Chloroform

Concen: 0.772 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU026733.D

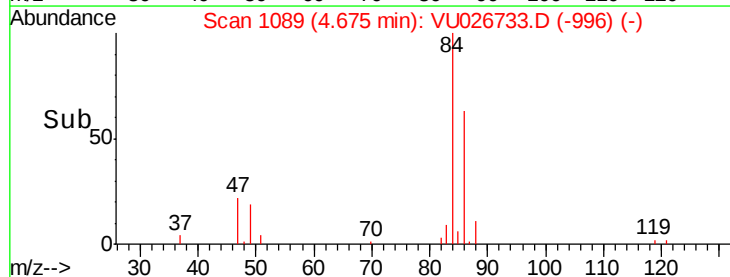
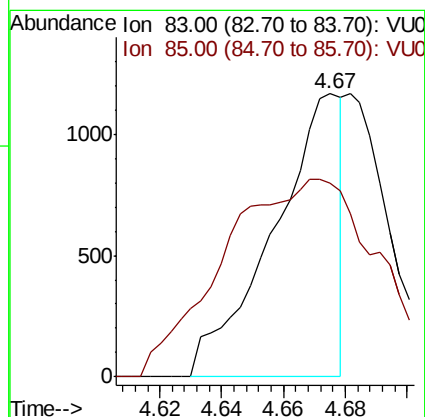
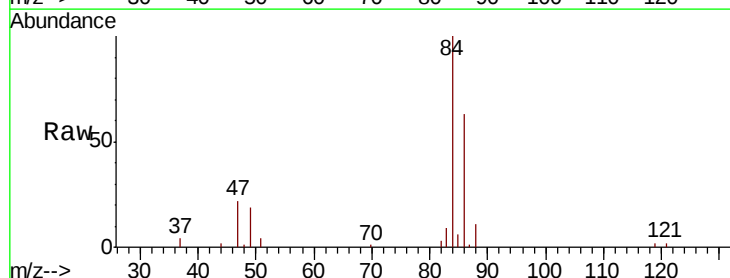
Acq: 13 Sep 2018 18:17

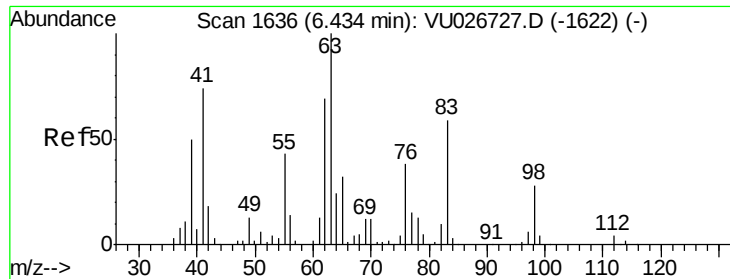
Tgt Ion: 83 Resp: 1785

Ion Ratio Lower Upper

83 100

85 68.4 45.6 84.6

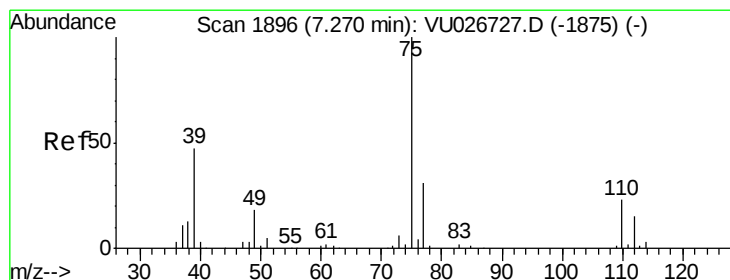
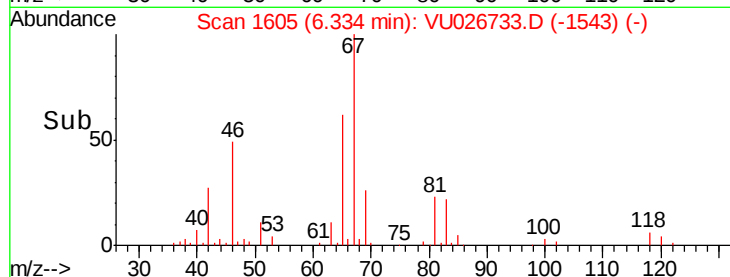
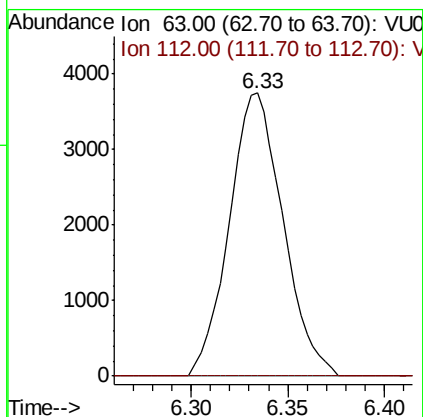
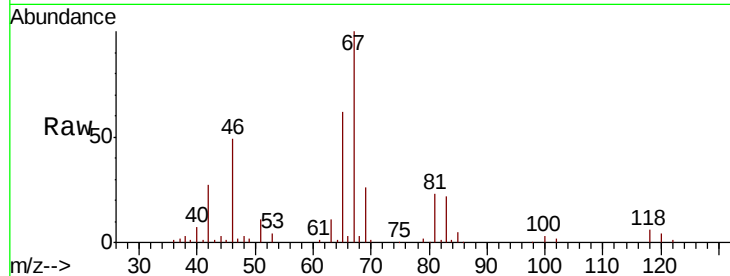




#37
 1,2-Dichloropropane
 Concen: 5.033 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU026733.D
 Acq: 13 Sep 2018 18:17

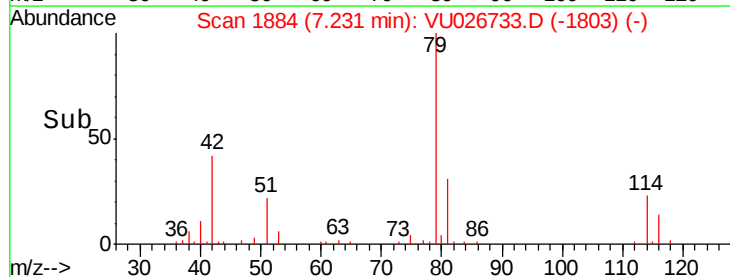
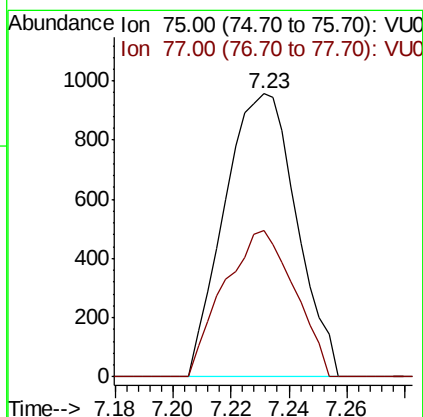
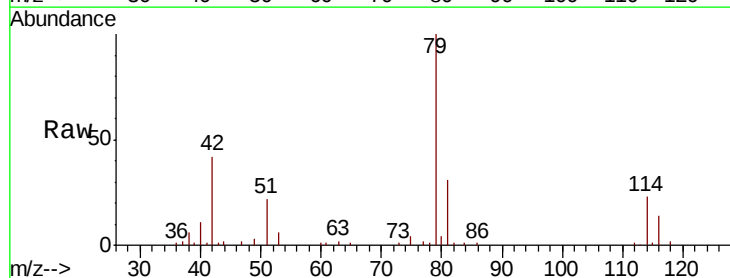
Instrument :
 MSVOA_U
 ClientSampled :
 C08K2

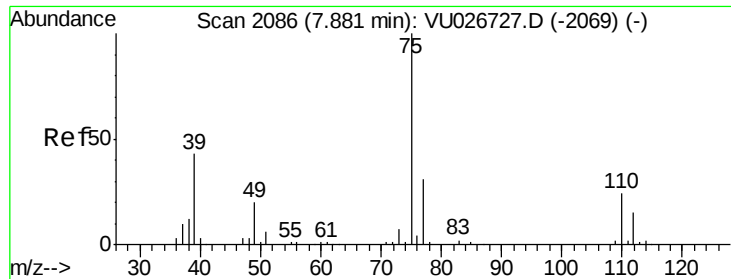
Tgt Ion: 63 Resp: 7247
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.774 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU026733.D
 Acq: 13 Sep 2018 18:17

Tgt Ion: 75 Resp: 1649
 Ion Ratio Lower Upper
 75 100
 77 51.8 22.3 41.3#





#44

trans-1,3-Dichloropropene

Concen: 0.658 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU026733.D

Acq: 13 Sep 2018 18:17

Instrument :

MSVOA_U

ClientSampleId :

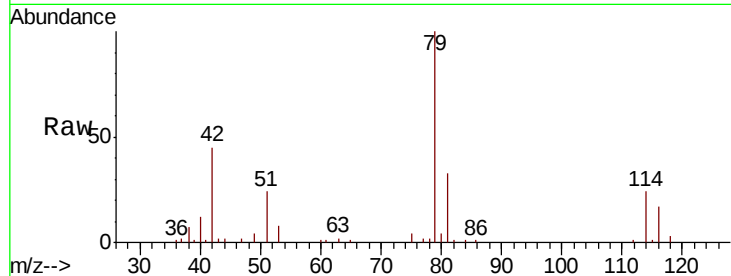
C08K2

Tgt Ion: 75 Resp: 1304

Ion Ratio Lower Upper

75 100

77 41.6 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU026727.D (-2069) (-)

Ion 77.00 (76.70 to 77.70): VU026727.D (-2069) (-)

7.85

800

600

400

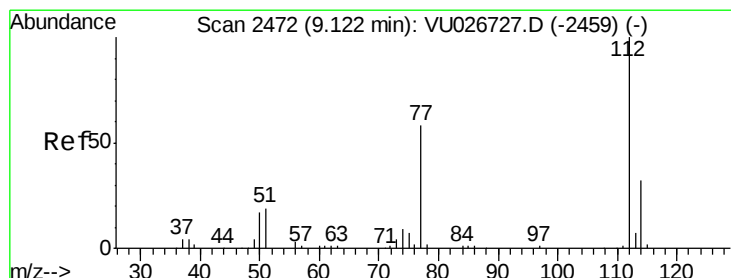
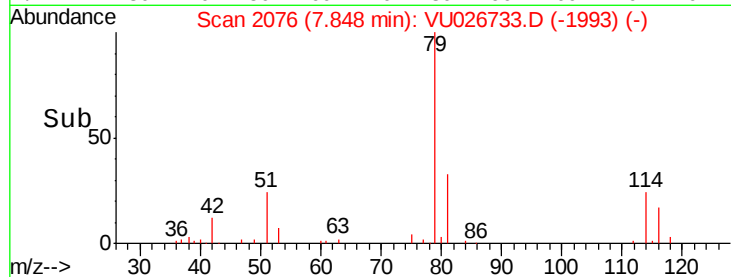
200

0

7.85

7.90

Time-->



#51

Chlorobenzene

Concen: 842.645 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU026733.D

Acq: 13 Sep 2018 18:17

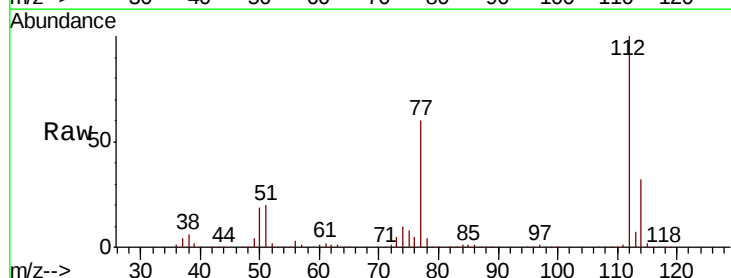
Tgt Ion: 112 Resp: 2955985

Ion Ratio Lower Upper

112 100

114 32.1 22.9 42.5

77 59.5 47.2 70.8



Abundance Ion 112.00 (111.70 to 112.70): VU026727.D (-2459) (-)

Ion 114.00 (113.70 to 114.70): VU026727.D (-2459) (-)

Ion 77.00 (76.70 to 77.70): VU026727.D (-2459) (-)

9.12

2500000

2000000

1500000

1000000

500000

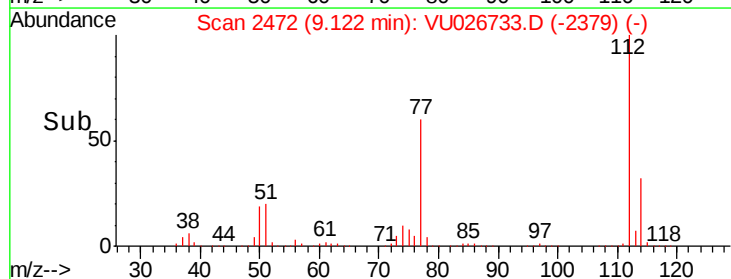
0

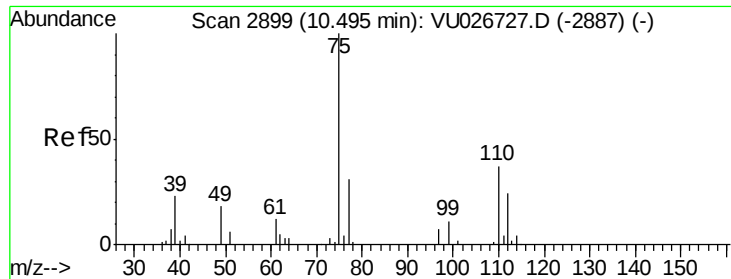
9.10

9.20

9.30

Time-->





#59

1,2,3-Trichloropropane

Concen: 30.111 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.92 min

Lab File: VU026733.D

Acq: 13 Sep 2018 18:17

Instrument :

MSVOA_U

ClientSampleId :

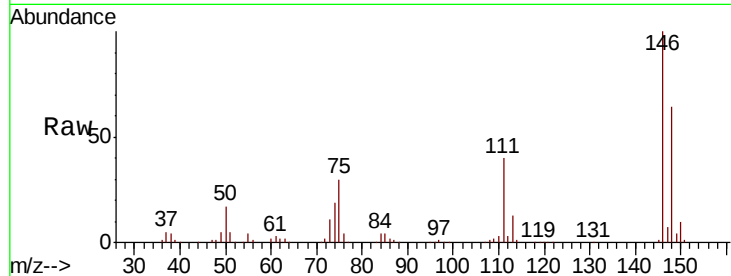
C08K2

Tgt Ion: 75 Resp: 51304

Ion Ratio Lower Upper

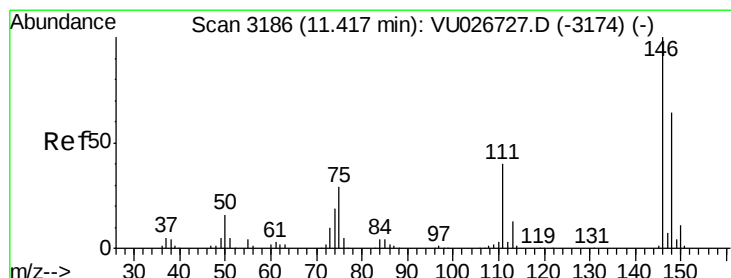
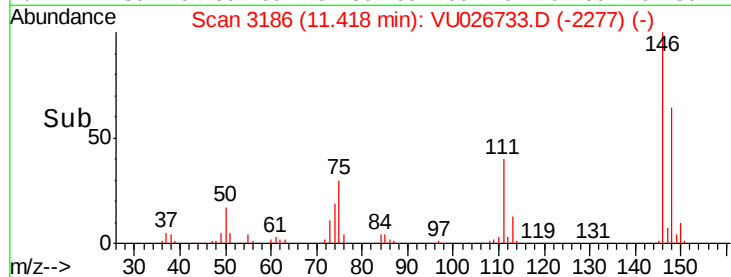
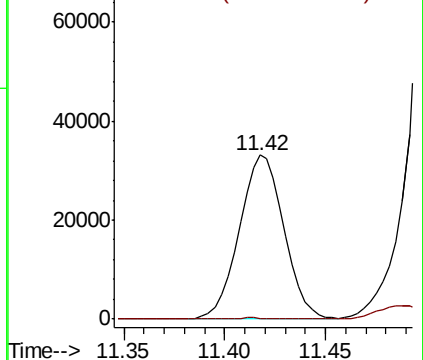
75 100

77 0.7 25.8 38.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#62

1,3-Dichlorobenzene

Concen: 62.679 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026733.D

Acq: 13 Sep 2018 18:17

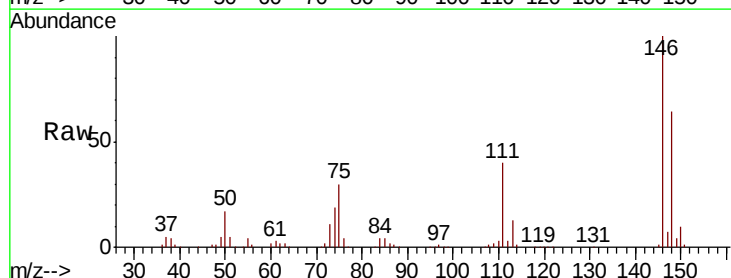
Tgt Ion: 146 Resp: 174128

Ion Ratio Lower Upper

146 100

111 39.6 26.7 49.5

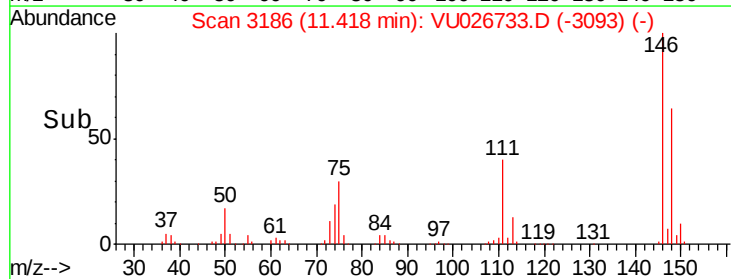
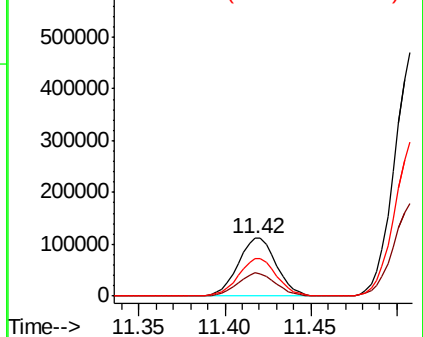
148 64.0 44.2 82.2

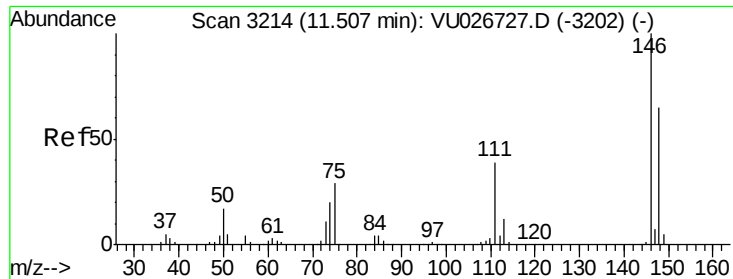


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

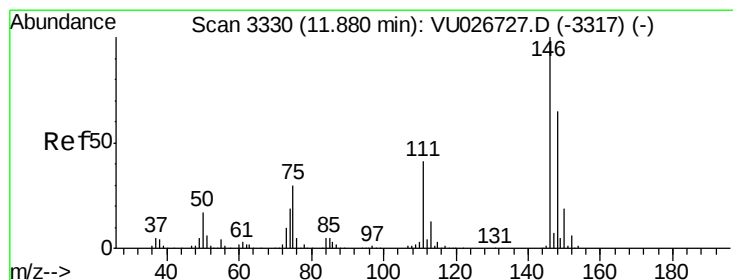
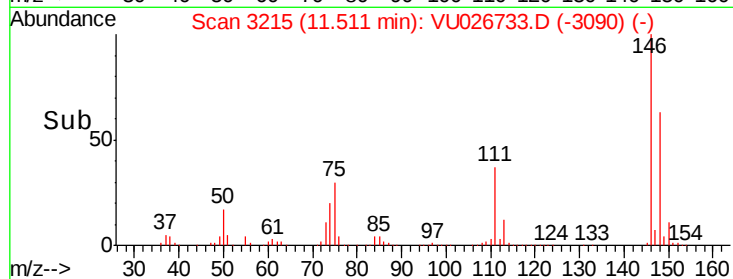
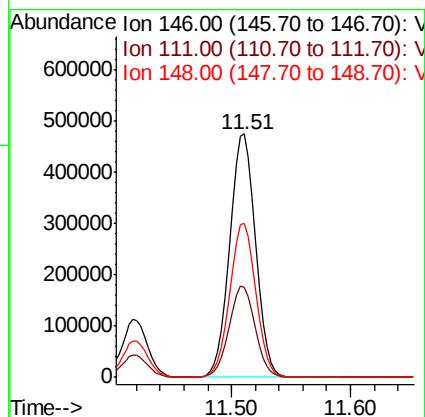
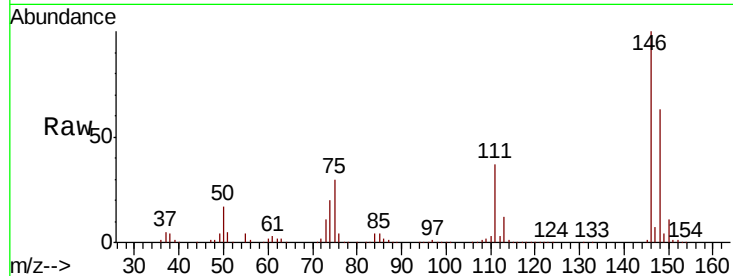




#63
 1,4-Dichlorobenzene
 Concen: 242.864 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026733.D
 Acq: 13 Sep 2018 18:17

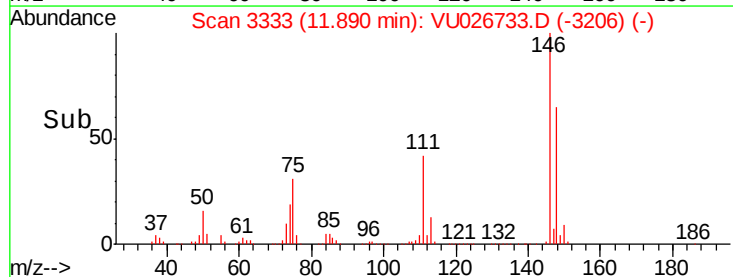
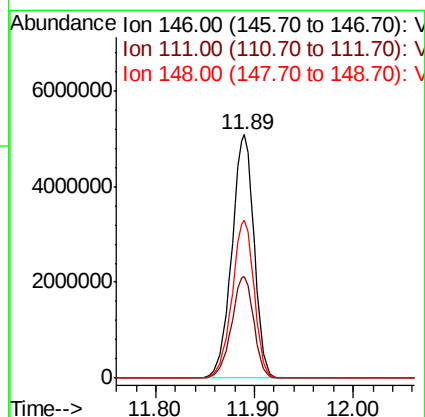
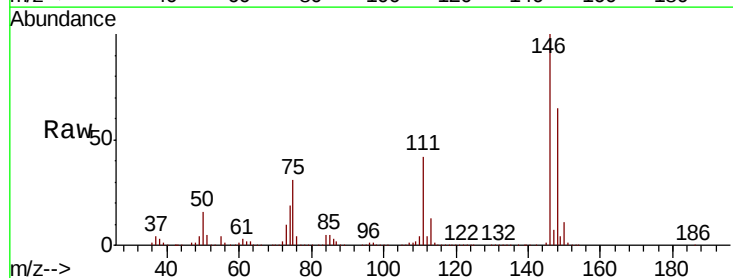
Instrument :
 MSVOA_U
 ClientSampleId :
 C08K2

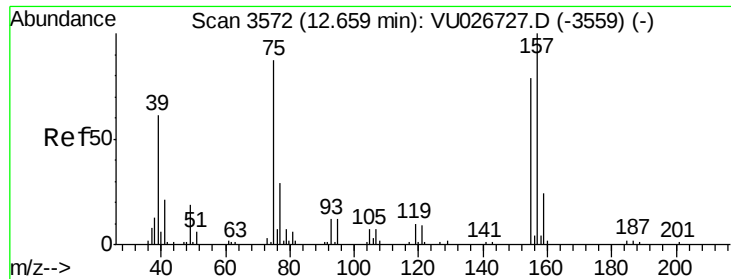
Tgt Ion:146 Resp: 714743
 Ion Ratio Lower Upper
 146 100
 111 37.0 26.5 49.3
 148 63.4 45.2 84.0



#65
 1,2-Dichlorobenzene
 Concen: 2713.980 ug/L
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.01 min
 Lab File: VU026733.D
 Acq: 13 Sep 2018 18:17

Tgt Ion:146 Resp: 7968441
 Ion Ratio Lower Upper
 146 100
 111 41.8 32.8 49.2
 148 64.9 52.2 78.4

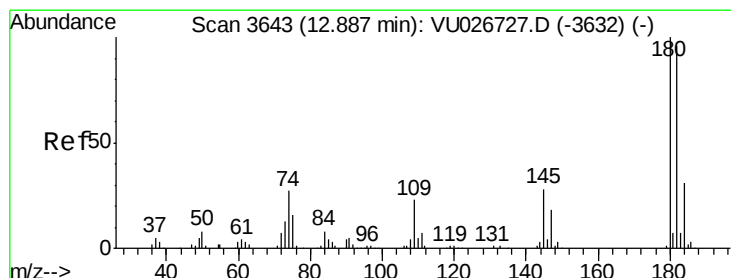
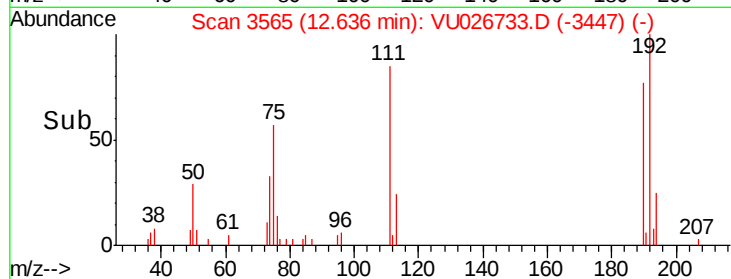
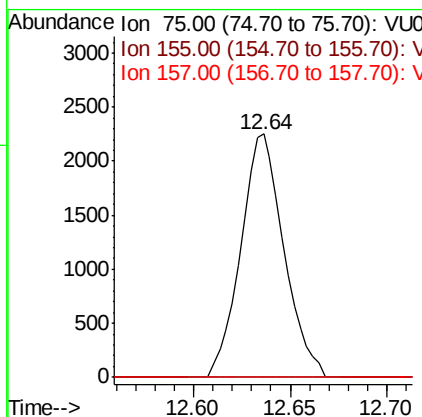
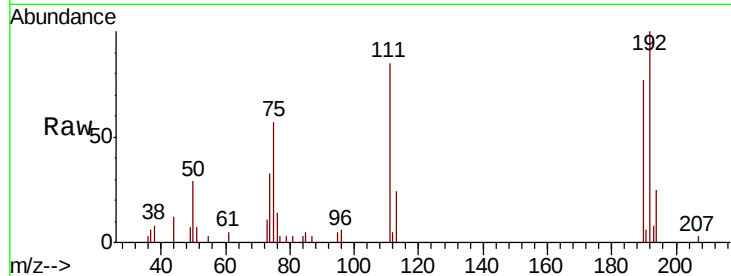




#66
 1,2-Dibromo-3-chloropropane
 Concen: 7.343 ug/L
 RT: 12.64 min Scan# 3565
 Delta R.T. -0.02 min
 Lab File: VU026733.D
 Acq: 13 Sep 2018 18:17

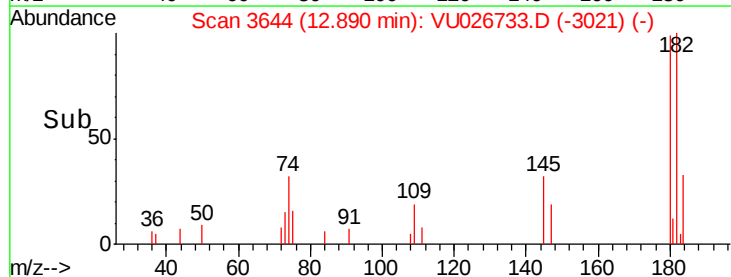
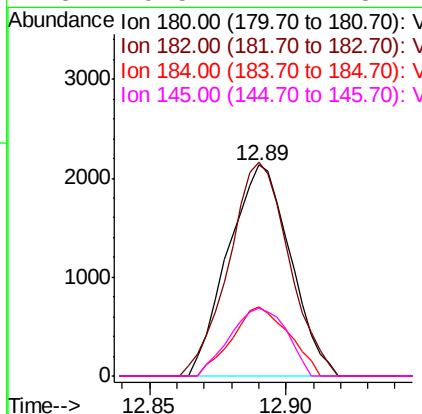
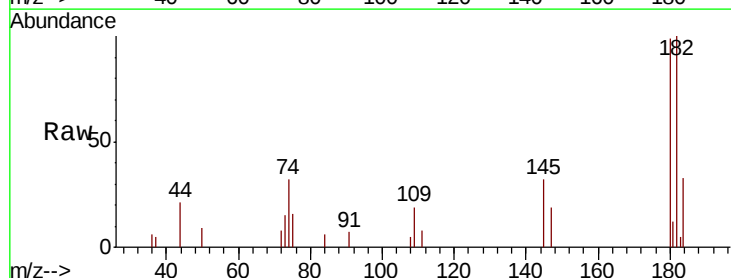
Instrument :
 MSVOA_U
 ClientSampleId :
 C08K2

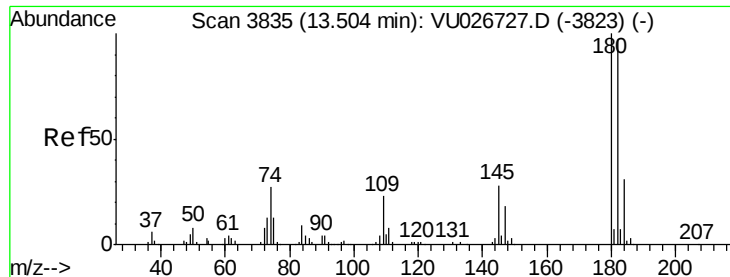
Tgt Ion: 75 Resp: 3483
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.3 103.9#
 157 0.0 93.4 140.0#



#67
 1,3,5-Trichlorobenzene
 Concen: 1.531 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU026733.D
 Acq: 13 Sep 2018 18:17

Tgt Ion: 180 Resp: 3374
 Ion Ratio Lower Upper
 180 100
 182 97.7 76.8 115.2
 184 30.1 24.2 36.2
 145 29.5 21.4 32.2

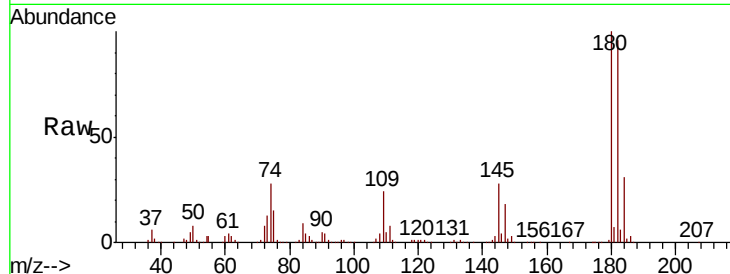




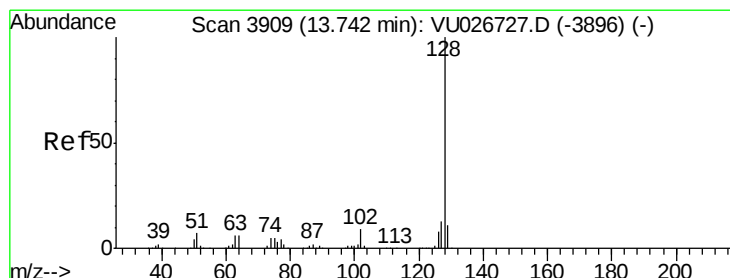
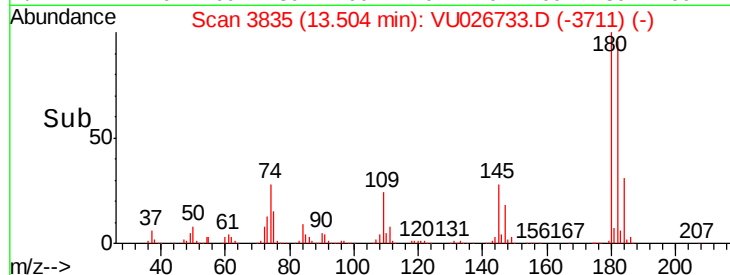
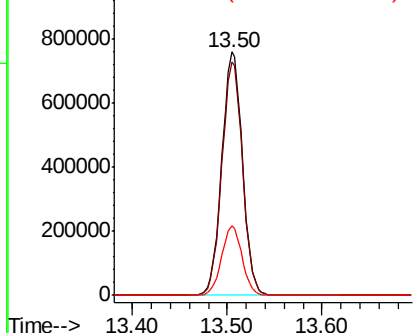
#68
 1,2,4-trichlorobenzene
 Concen: 599.179 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026733.D
 Acq: 13 Sep 2018 18:17

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K2

Tgt Ion:180 Resp: 1147604
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.0 114.0
 145 28.3 23.4 35.0

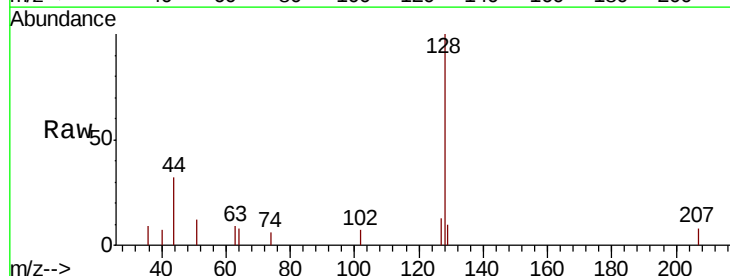


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

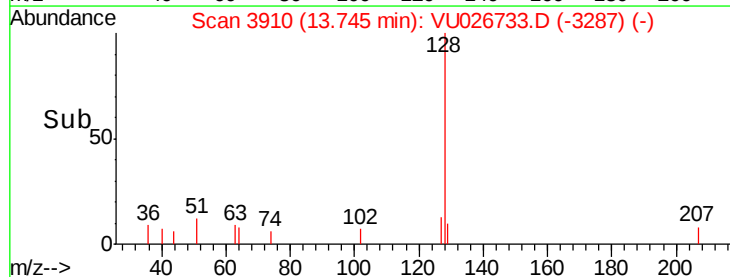
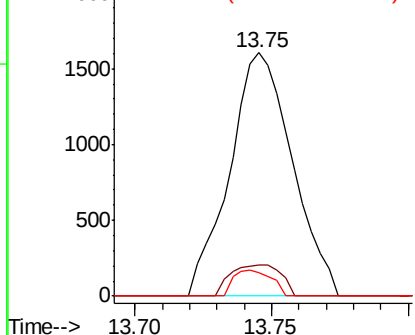


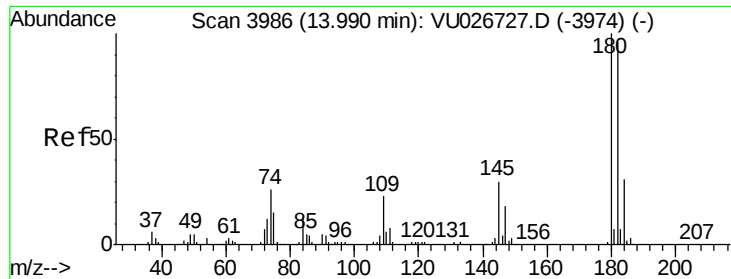
#69
 Naphthalene
 Concen: 0.437 ug/L
 RT: 13.75 min Scan# 3910
 Delta R.T. 0.00 min
 Lab File: VU026733.D
 Acq: 13 Sep 2018 18:17

Tgt Ion:128 Resp: 2562
 Ion Ratio Lower Upper
 128 100
 127 10.3 10.3 15.5#
 129 6.4 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 88.873 ug/L
 RT: 13.99 min Scan# 3985
 Delta R.T. -0.00 min
 Lab File: VU026733.D
 Acq: 13 Sep 2018 18:17

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K2

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
145	29.7	23.0	34.6

