

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102218\
 Data File : VU027733.D
 Acq On : 22 Oct 2018 10:49
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV57

Quant Time: Oct 23 08:50:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 23 08:01:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	119907	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	115216	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	57334	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	45683	48.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.94%
7) Chloroethane-d5	1.68	69	35474	49.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.78%
11) 1,1-Dichloroethene-d2	2.27	63	84271	50.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.30%
21) 2-Butanone-d5	4.18	46	74053	93.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.14%
24) Chloroform-d	4.65	84	83356	49.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.31	65	56992	49.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.14%
32) Benzene-d6	5.34	84	157416	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.96%
36) 1,2-Dichloropropane-d6	6.33	67	56664	48.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.74%
41) Toluene-d8	7.57	98	148897	49.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.38%
43) trans-1,3-Dichloropropene-	7.85	79	28874	50.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.52%
47) 2-Hexanone-d5	8.31	63	56525	94.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.29%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	72259	47.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.54%
64) 1,2-Dichlorobenzene-d4	11.86	152	58002	49.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.78%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	50418	51.739	ug/L 100
3) Chloromethane	1.33	50	60894	53.344	ug/L 99
5) Vinyl chloride	1.40	62	56107	51.816	ug/L 99
6) Bromomethane	1.62	94	30643	56.125	ug/L 100
8) Chloroethane	1.70	64	30427	52.062	ug/L 98
9) Trichlorofluoromethane	1.89	101	67416	51.673	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	37253	52.144	ug/L 99
12) 1,1-Dichloroethene	2.29	96	34511	51.653	ug/L 94
13) Acetone	2.32	43	52274	94.389	ug/L 100
14) Carbon disulfide	2.48	76	121849	52.375	ug/L 99
15) Methyl Acetate	2.62	43	56727	48.673	ug/L 98
16) Methylene chloride	2.70	84	42093	51.001	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	38762	52.446	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	141487	51.216	ug/L 99
19) 1,1-Dichloroethane	3.45	63	83240	51.900	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	44881	51.330	ug/L 95
22) 2-Butanone	4.26	43	78487	95.245	ug/L 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102218\
 Data File : VU027733.D
 Acq On : 22 Oct 2018 10:49
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV57

Quant Time: Oct 23 08:50:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 23 08:01:28 2018
 Response via : Initial Calibration

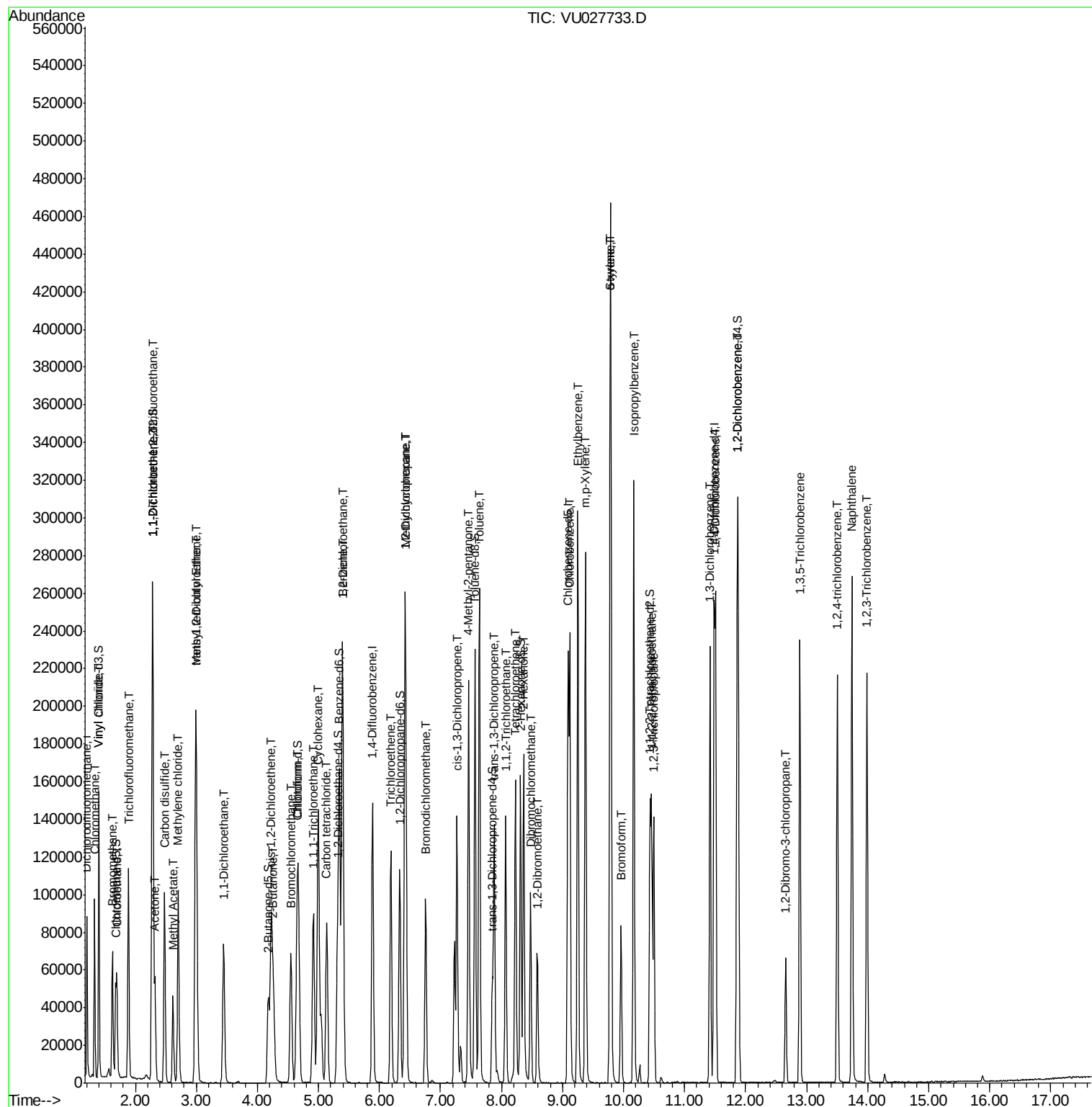
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	21346	52.284	ug/L	95
25) Chloroform	4.67	83	81210	52.176	ug/L	99
27) 1,2-Dichloroethane	5.40	62	69303	51.307	ug/L	100
29) Cyclohexane	5.00	56	84427	51.123	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	71541	51.226	ug/L	99
31) Carbon tetrachloride	5.13	117	62850	50.010	ug/L	99
33) Benzene	5.39	78	176375	51.458	ug/L	100
34) Trichloroethene	6.19	95	43892	51.152	ug/L	97
35) Methylcyclohexane	6.42	83	76724	51.702	ug/L	99
37) 1,2-Dichloropropane	6.43	63	52234	51.578	ug/L	100
38) Bromodichloromethane	6.76	83	64731	51.436	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	81468	52.245	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	155877	95.770	ug/L	98
42) Toluene	7.64	91	187214	52.155	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	74993	50.841	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	42279	50.542	ug/L	96
46) Tetrachloroethene	8.23	164	34792	52.503	ug/L	95
48) 2-Hexanone	8.36	43	119702	94.833	ug/L	97
49) Dibromochloromethane	8.48	129	49986	50.429	ug/L	100
50) 1,2-Dibromoethane	8.58	107	45636	51.114	ug/L	96
51) Chlorobenzene	9.12	112	114301	51.939	ug/L	100
52) Ethylbenzene	9.25	91	213187	52.504	ug/L	98
53) m,p-Xylene	9.38	106	76329	52.037	ug/L	99
54) o-xylene	9.78	106	75117	51.375	ug/L	98
55) Styrene	9.79	104	128728	51.724	ug/L	99
56) Isopropylbenzene	10.17	105	202853	52.387	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	73240	49.236	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	57480	48.026	ug/L	99
61) Bromoform	9.96	173	38278	50.083	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	91438	53.187	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	91008	51.915	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	91654	51.833	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	17298	46.948	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	71075	53.454	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	65723	55.678	ug/L	98
69) Naphthalene	13.74	128	204300	53.587	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	67985	55.107	ug/L	98

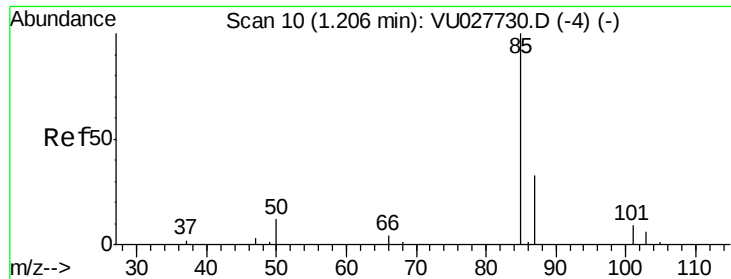
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU102218\
Data File : VU027733.D
Acq On : 22 Oct 2018 10:49
Operator : MD/SY
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV57

Quant Time: Oct 23 08:50:42 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 23 08:01:28 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 51.739 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

Instrument :

MSVOA_U

ClientSampleId :

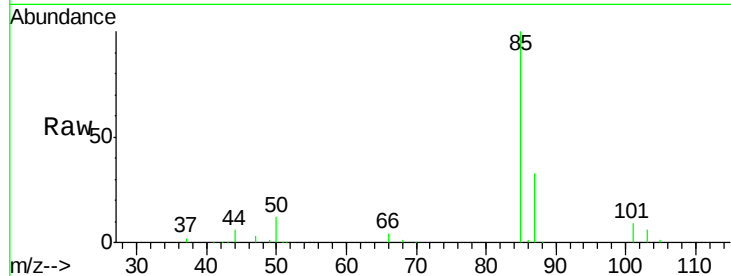
VICV57

Tgt Ion: 85 Resp: 50418

Ion Ratio Lower Upper

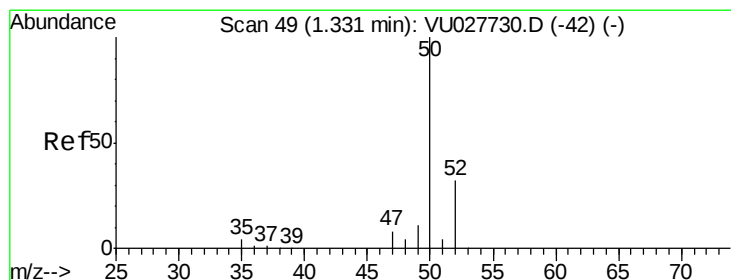
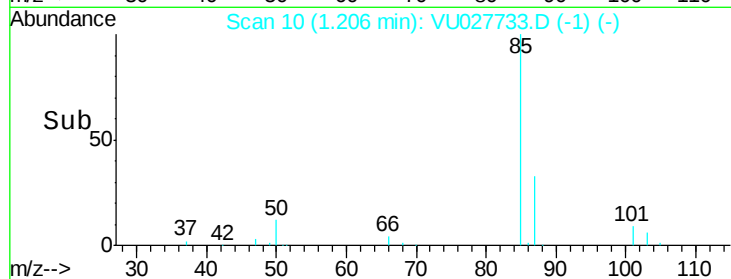
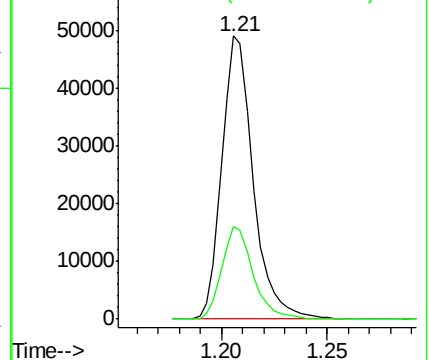
85 100

87 32.6 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 53.344 ug/L

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027733.D

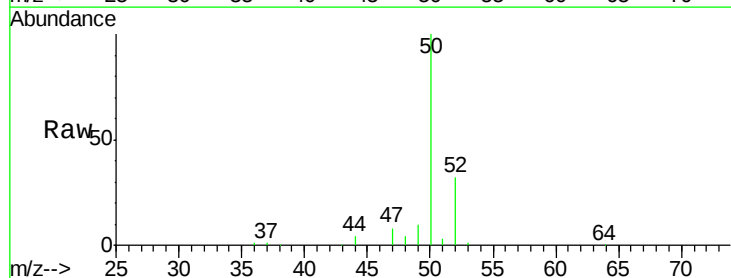
Acq: 22 Oct 2018 10:49

Tgt Ion: 50 Resp: 60894

Ion Ratio Lower Upper

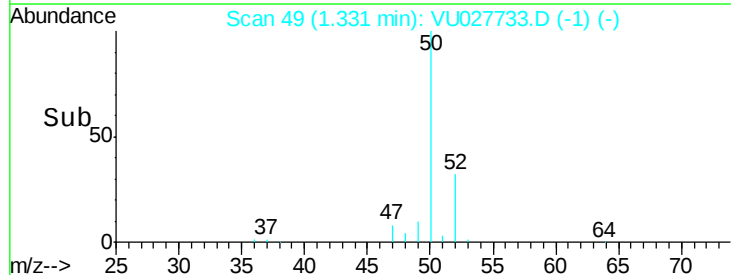
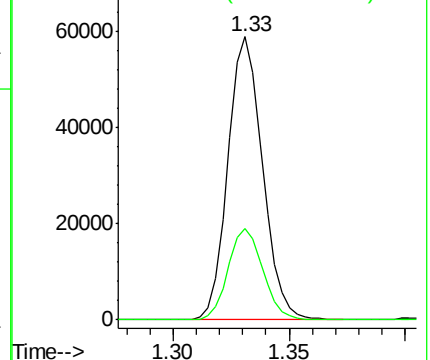
50 100

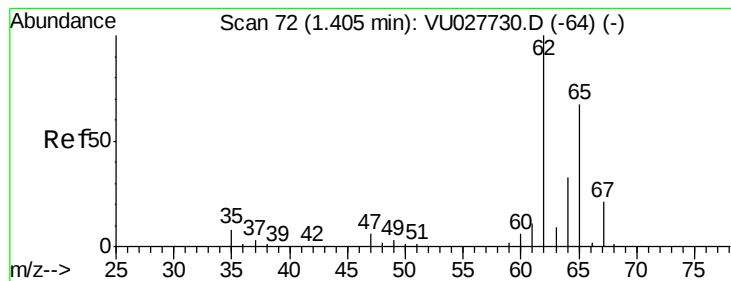
52 32.5 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 51.816 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

Instrument :

MSVOA_U

ClientSampleId :

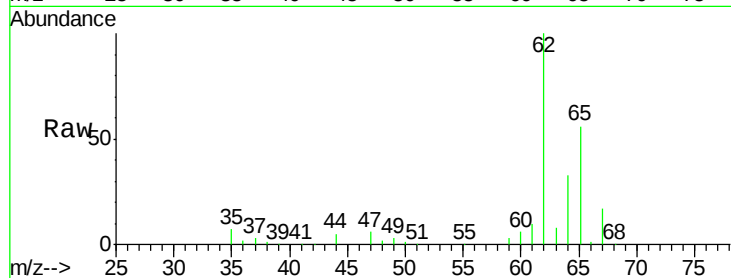
VICV57

Tgt Ion: 62 Resp: 56107

Ion Ratio Lower Upper

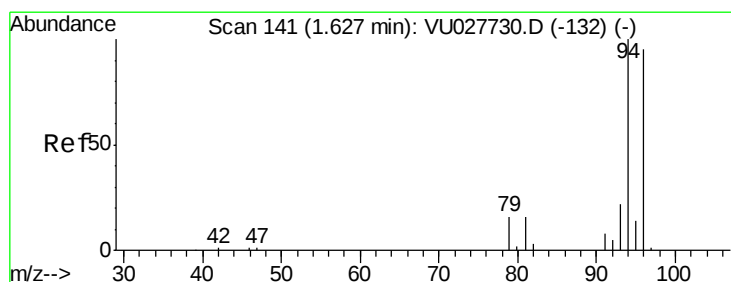
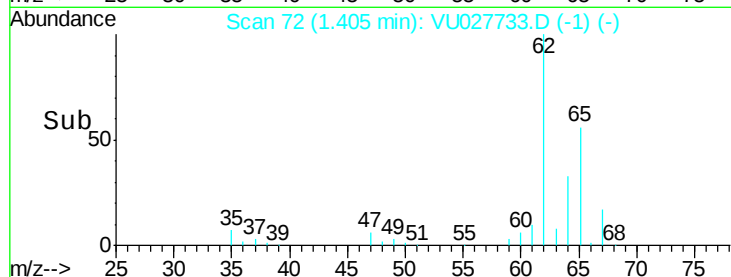
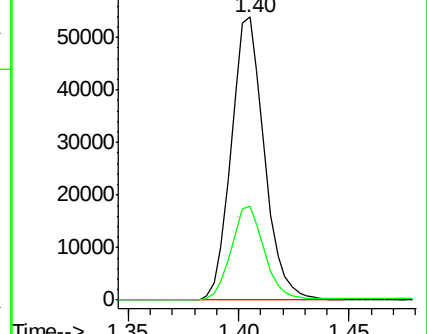
62 100

64 33.3 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 56.125 ug/L

RT: 1.62 min Scan# 140

Delta R.T. -0.00 min

Lab File: VU027733.D

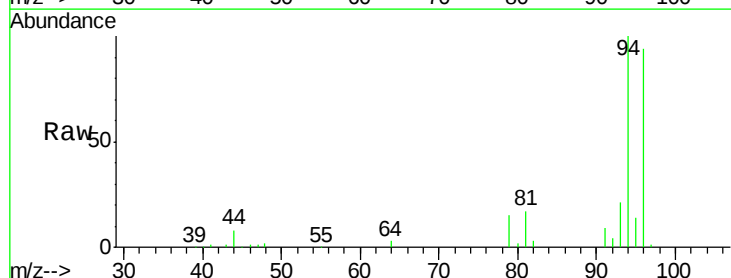
Acq: 22 Oct 2018 10:49

Tgt Ion: 94 Resp: 30643

Ion Ratio Lower Upper

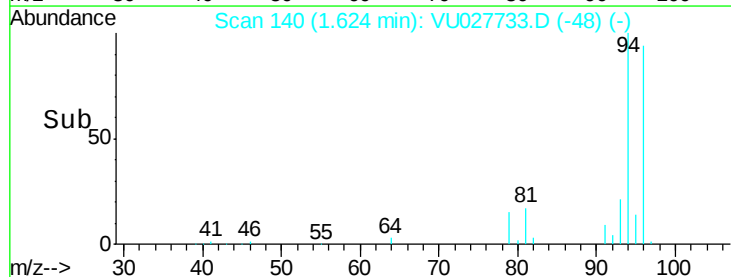
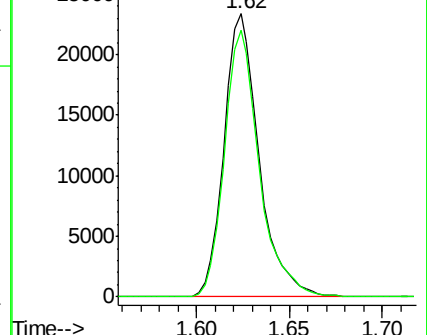
94 100

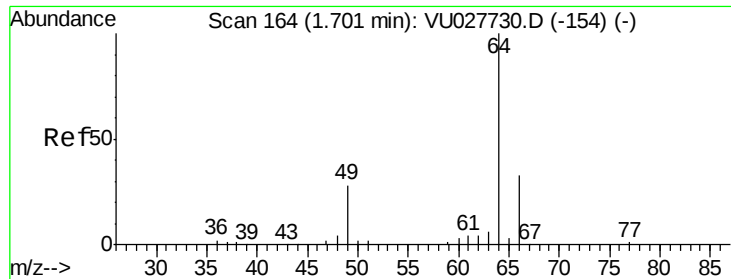
96 94.3 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 52.062 ug/L

RT: 1.70 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

Instrument :

MSVOA_U

ClientSampleId :

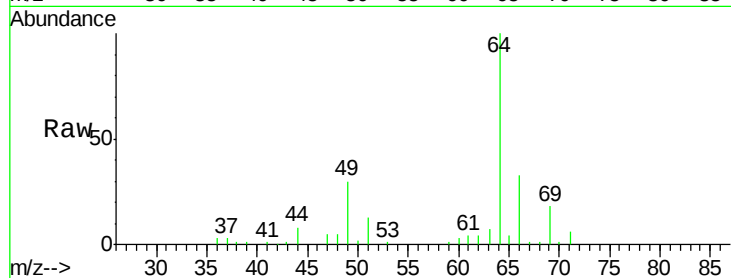
VICV57

Tgt Ion: 64 Resp: 30427

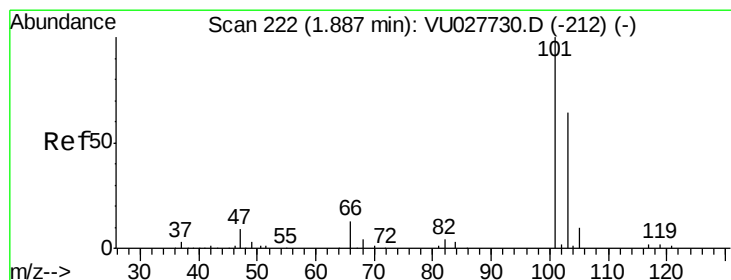
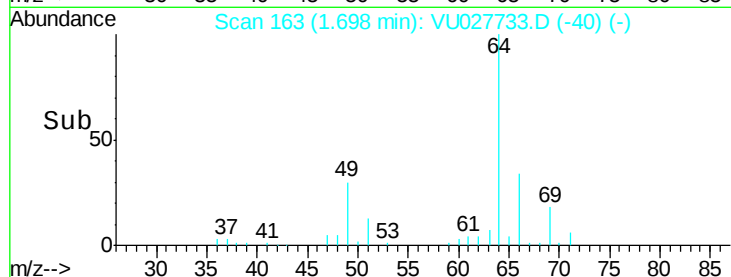
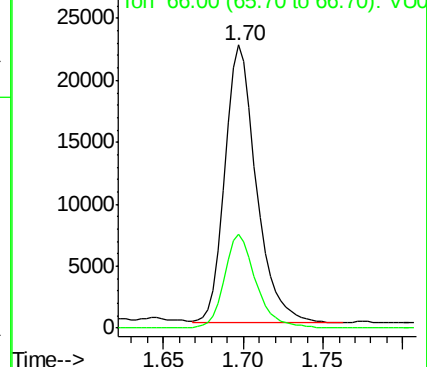
Ion Ratio Lower Upper

64 100

66 33.3 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VU027733.D (-154) (-)



#9

Trichlorofluoromethane

Concen: 51.673 ug/L

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU027733.D

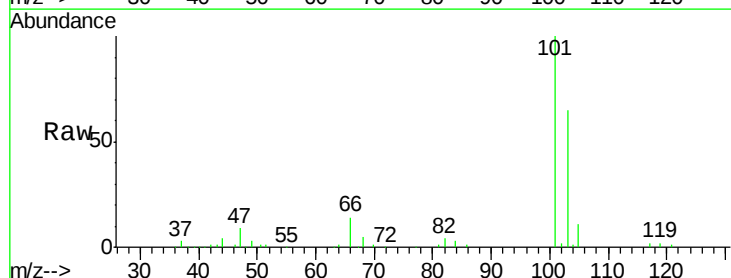
Acq: 22 Oct 2018 10:49

Tgt Ion: 101 Resp: 67416

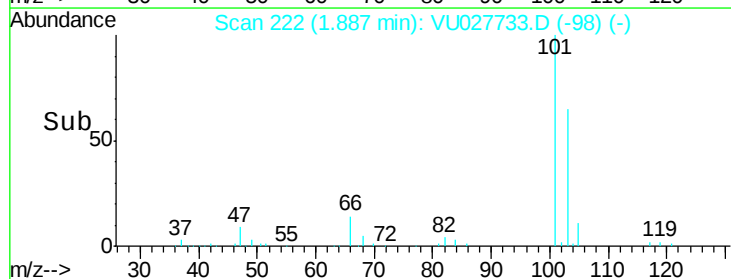
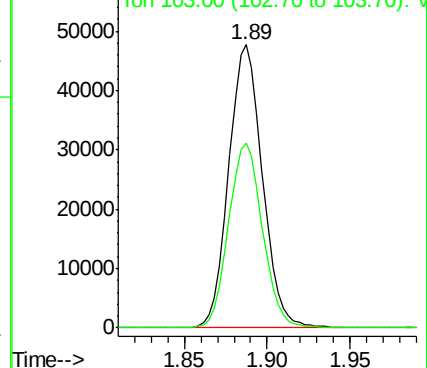
Ion Ratio Lower Upper

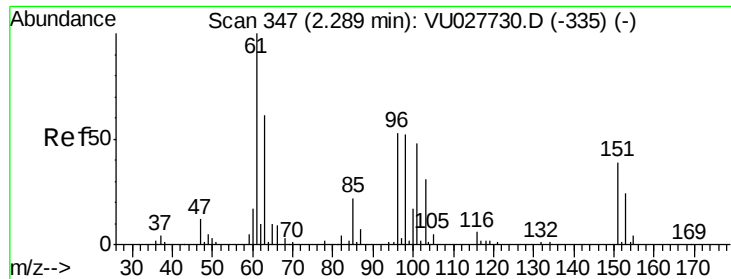
101 100

103 65.6 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU027733.D (-212) (-)





#10

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

Concen: 52.144 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

Instrument :

MSVOA_U

ClientSampled :

VICV57

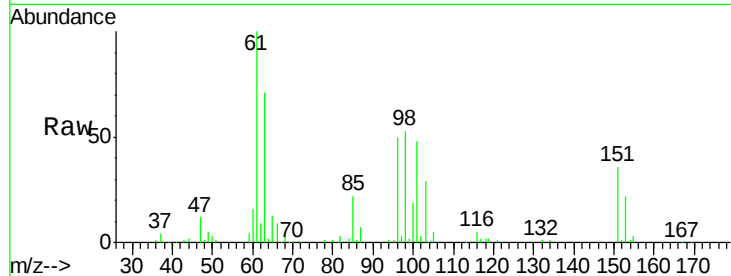
Tgt Ion:101 Resp: 37253

Ion Ratio Lower Upper

101 100

85 45.8 36.7 55.1

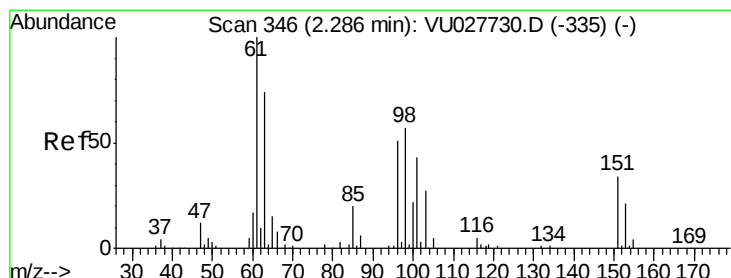
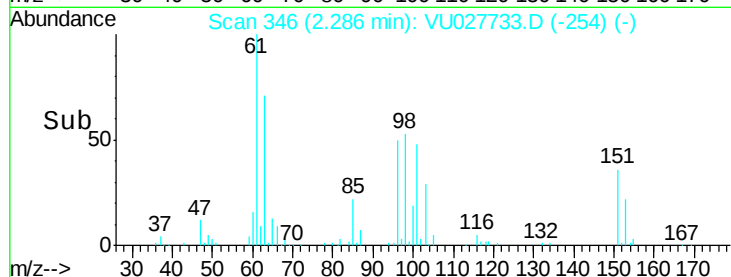
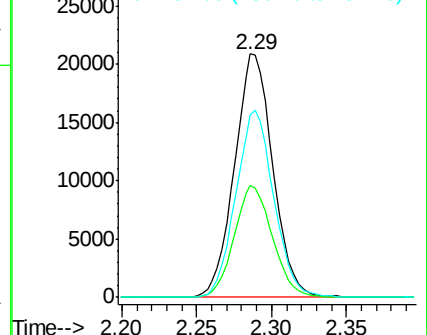
151 76.1 62.0 93.0



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: 51.653 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

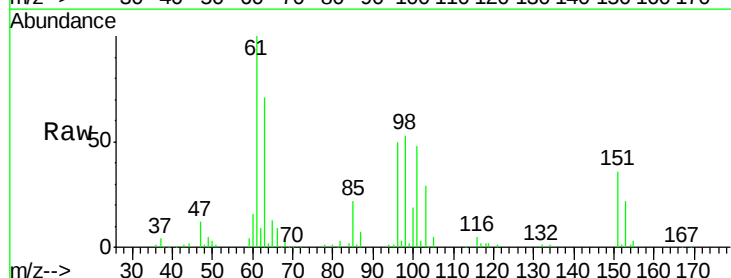
Tgt Ion: 96 Resp: 34511

Ion Ratio Lower Upper

96 100

61 199.5 137.3 255.1

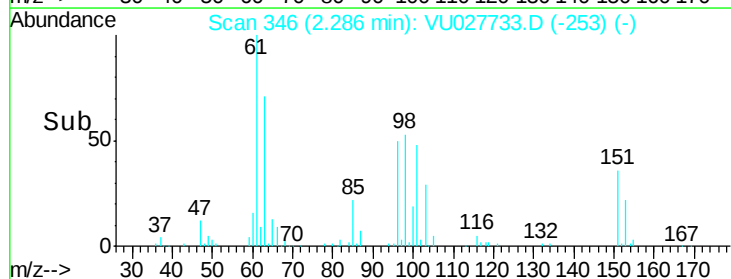
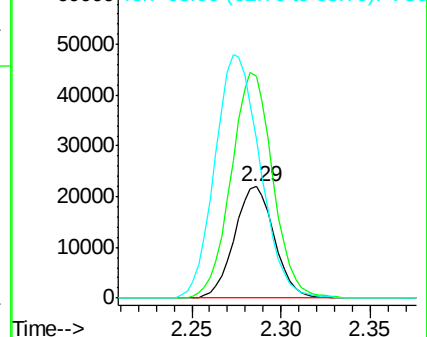
63 142.5 109.8 204.0

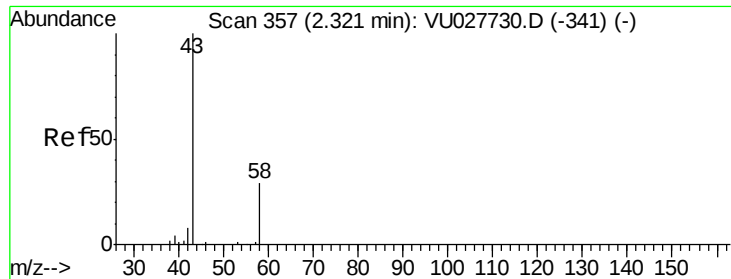


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 94.389 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

Instrument :

MSVOA_U

ClientSampleId :

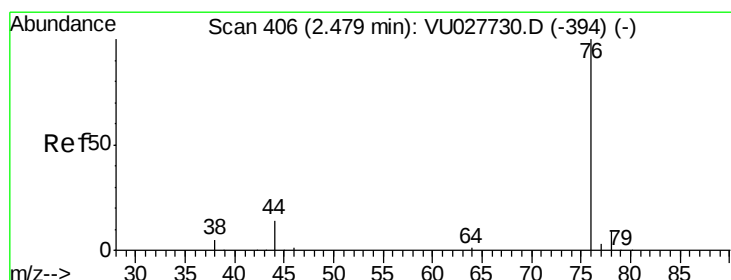
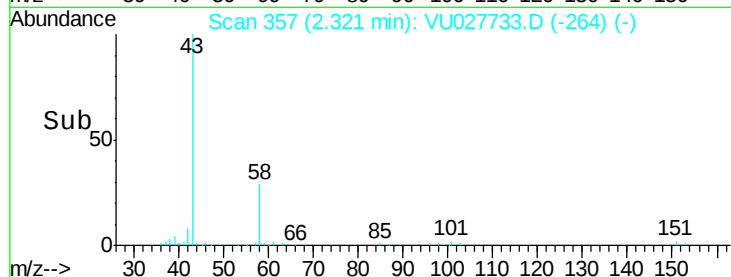
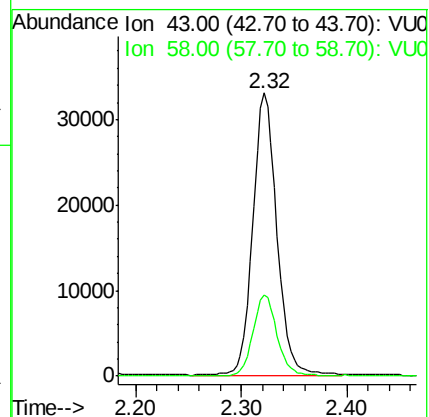
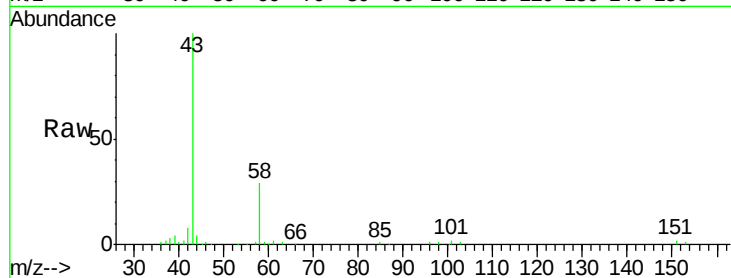
VICV57

Tgt Ion: 43 Resp: 52274

Ion Ratio Lower Upper

43 100

58 29.0 0.0 57.4



#14

Carbon disulfide

Concen: 52.375 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027733.D

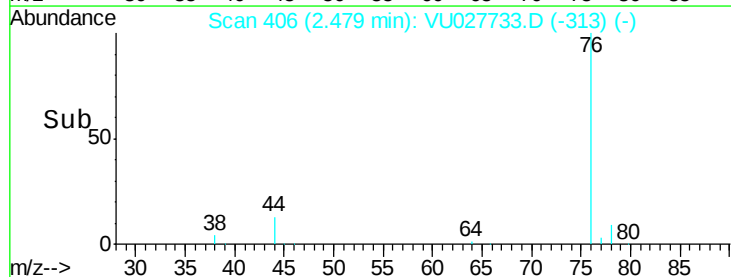
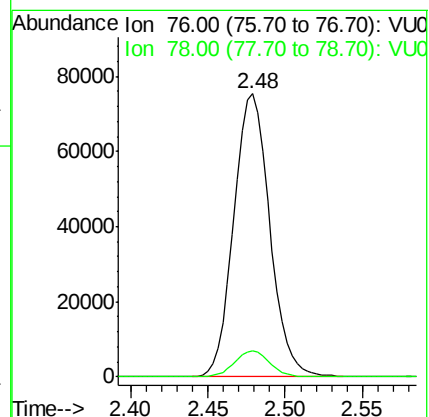
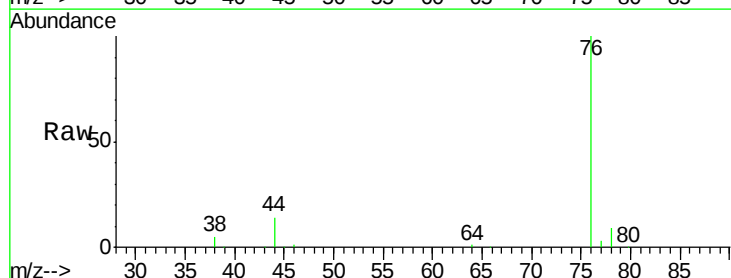
Acq: 22 Oct 2018 10:49

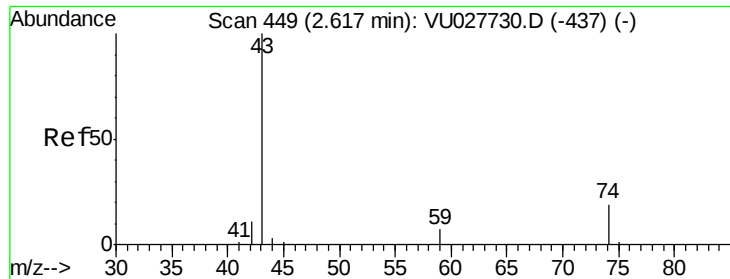
Tgt Ion: 76 Resp: 121849

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

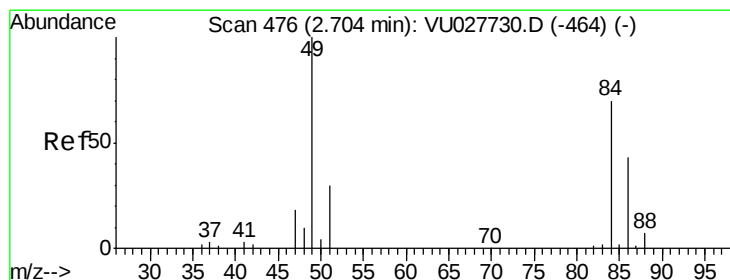
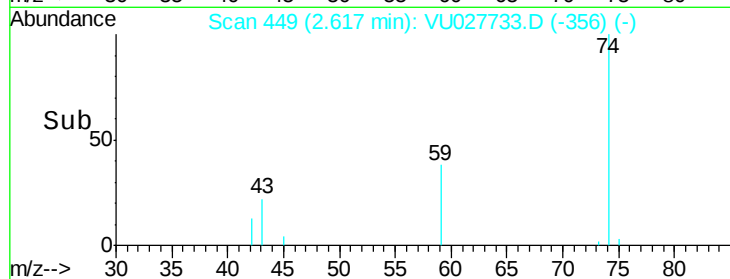
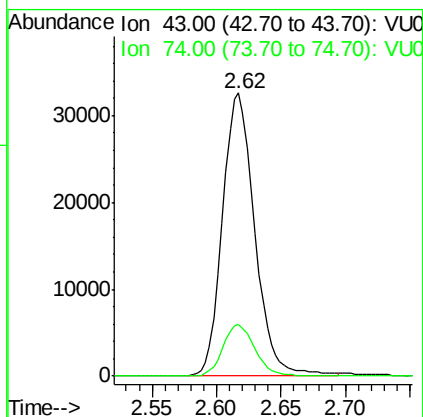
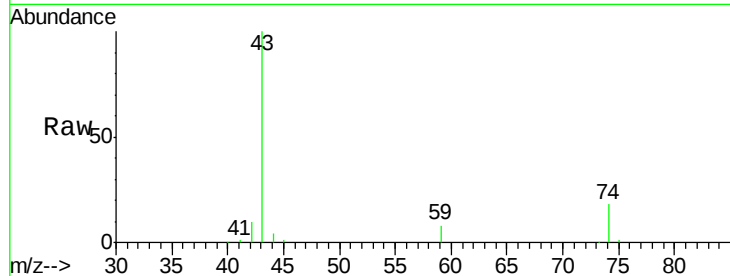




#15
Methyl Acetate
Concen: 48.673 ug/L
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027733.D
Acq: 22 Oct 2018 10:49

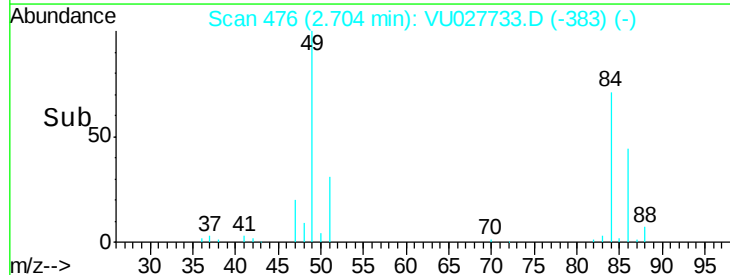
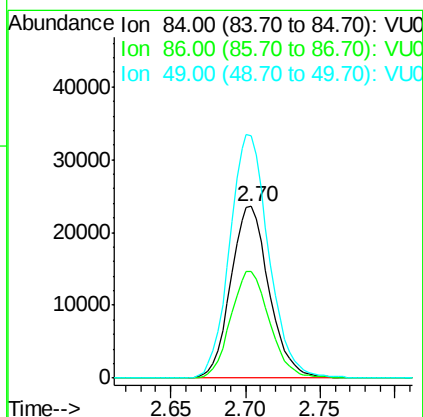
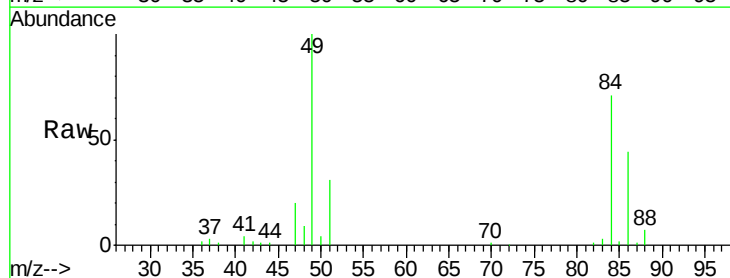
Instrument :
MSVOA_U
ClientSampleId :
VICV57

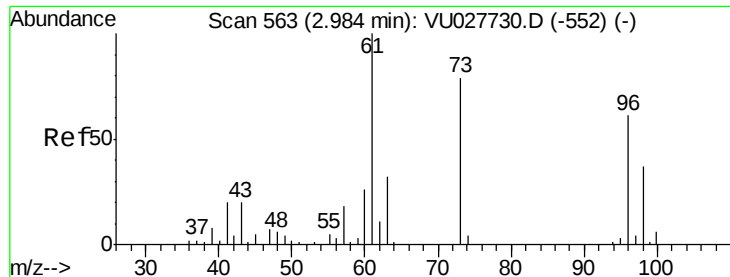
Tgt Ion: 43 Resp: 56727
Ion Ratio Lower Upper
43 100
74 18.0 15.1 22.7



#16
Methylene chloride
Concen: 51.001 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU027733.D
Acq: 22 Oct 2018 10:49

Tgt Ion: 84 Resp: 42093
Ion Ratio Lower Upper
84 100
86 62.4 42.8 79.6
49 140.8 100.0 185.6





#17

trans-1,2-Dichloroethene

Concen: 52.446 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

Instrument :

MSVOA_U

ClientSampled :

VICV57

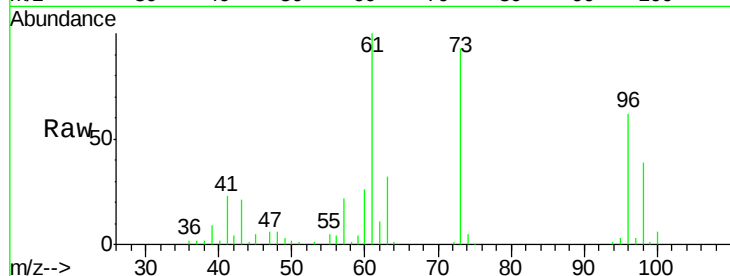
Tgt Ion: 96 Resp: 38762

Ion Ratio Lower Upper

96 100

61 160.9 114.7 212.9

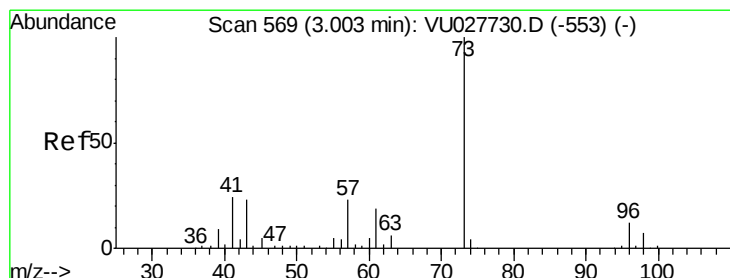
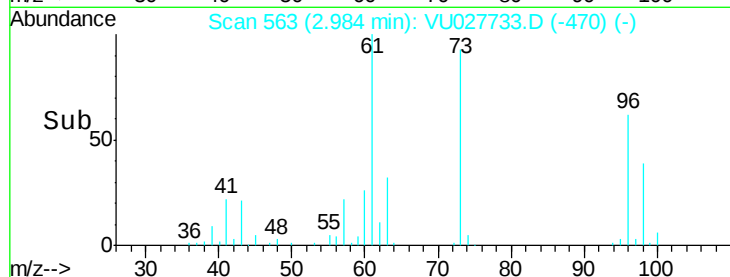
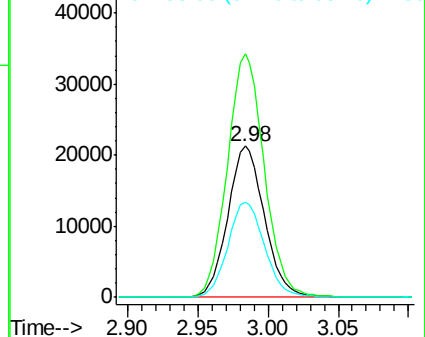
98 63.0 42.2 78.4



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 51.216 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

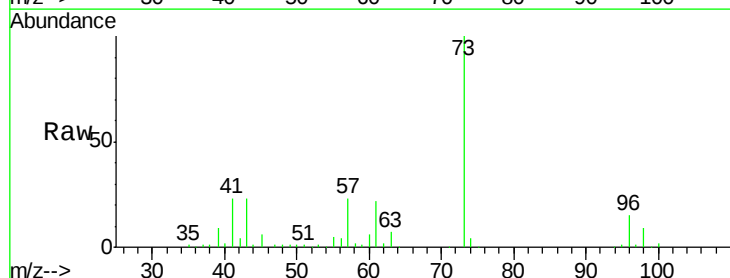
Tgt Ion: 73 Resp: 141487

Ion Ratio Lower Upper

73 100

43 22.7 18.3 27.5

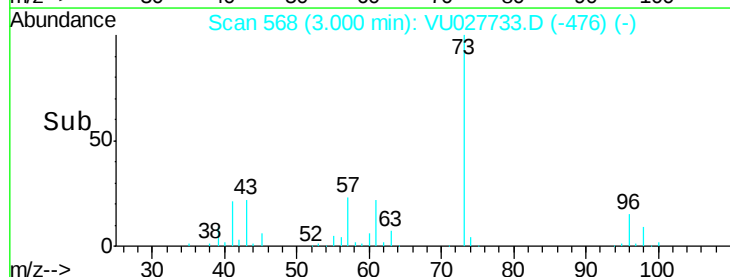
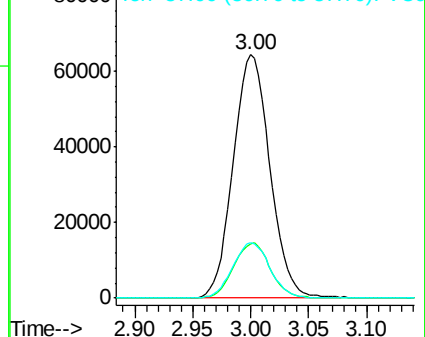
57 22.9 18.6 28.0

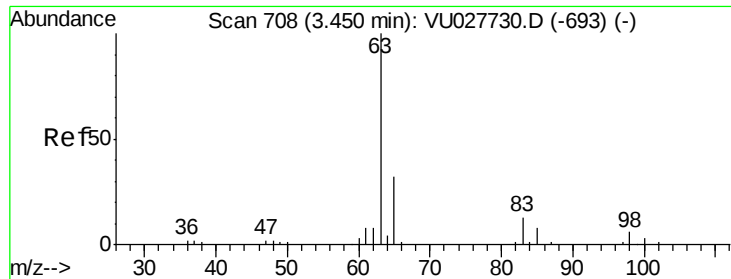


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

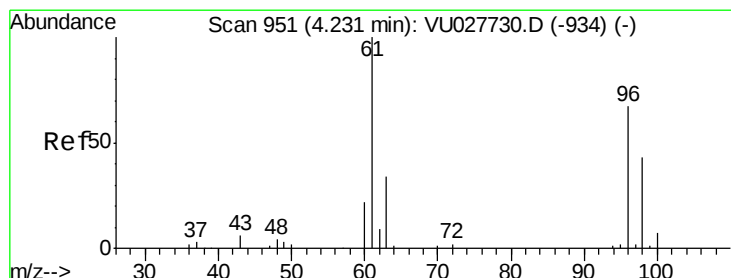
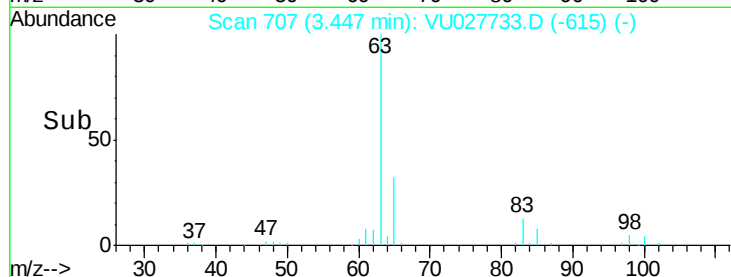
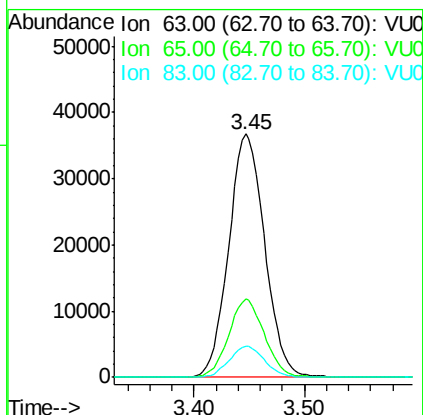
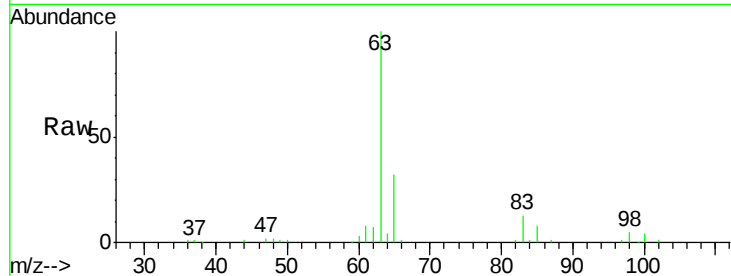




#19
 1,1-Dichloroethane
 Concen: 51.900 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027733.D
 Acq: 22 Oct 2018 10:49

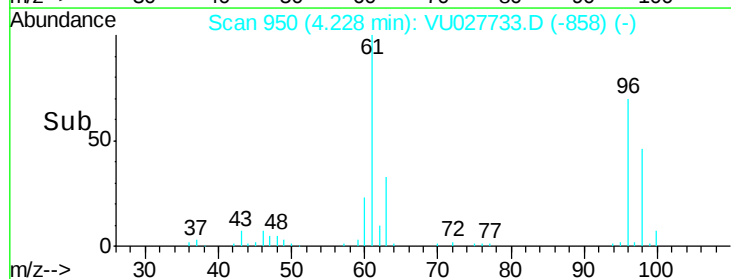
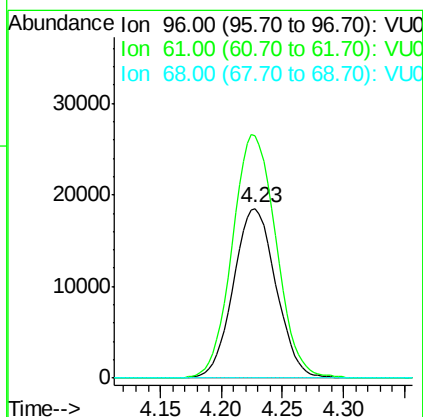
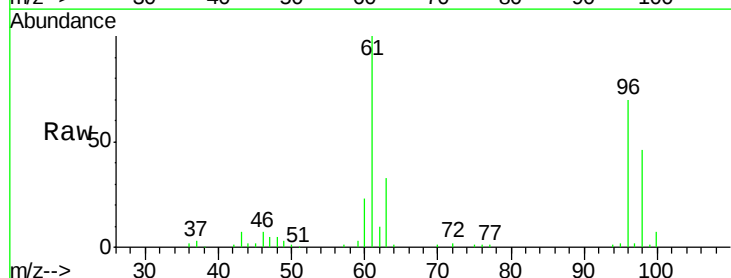
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV57

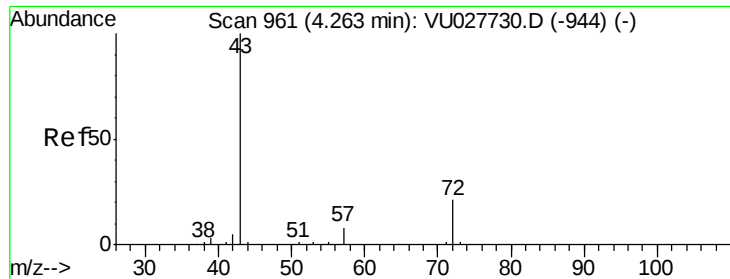
Tgt Ion: 63 Resp: 83240
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.2 41.2
 83 12.8 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 51.330 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027733.D
 Acq: 22 Oct 2018 10:49

Tgt Ion: 96 Resp: 44881
 Ion Ratio Lower Upper
 96 100
 61 142.8 104.2 193.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 95.245 ug/L

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

Instrument :

MSVOA_U

ClientSampleId :

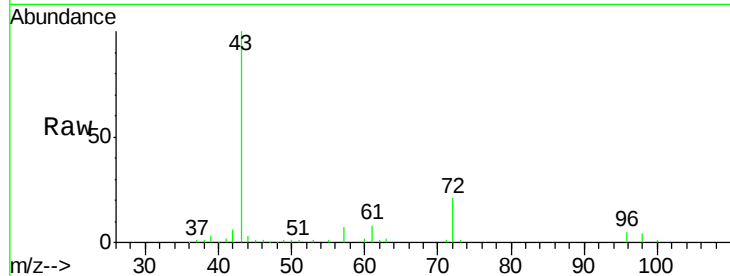
VICV57

Tgt Ion: 43 Resp: 78487

Ion Ratio Lower Upper

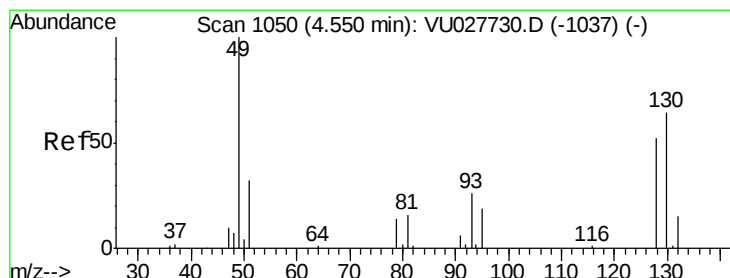
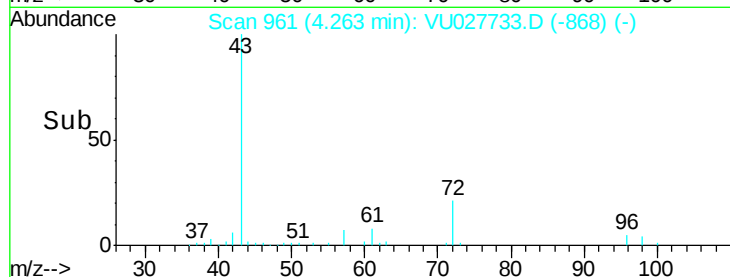
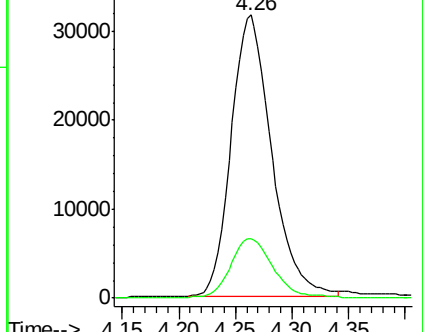
43 100

72 22.5 11.2 33.5



Abundance Ion 43.00 (42.70 to 43.70): VU027733.D (-944) (-)

Ion 72.00 (71.70 to 72.70): VU027733.D (-944) (-)



#23

Bromochloromethane

Concen: 52.284 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

Tgt Ion: 128 Resp: 21346

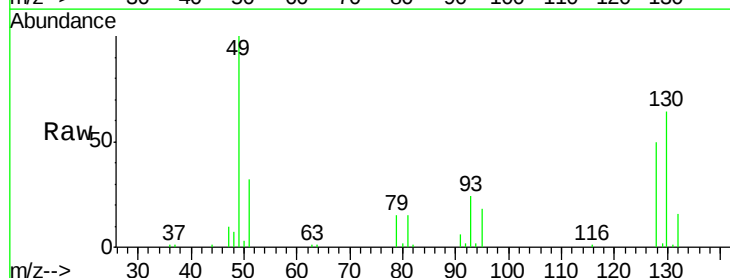
Ion Ratio Lower Upper

128 100

49 201.5 136.2 253.0

130 129.0 86.0 159.6

51 63.6 48.8 73.2

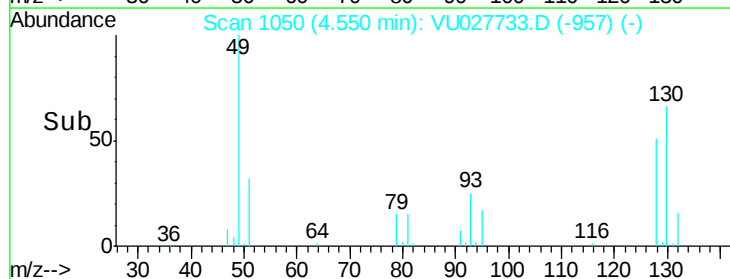
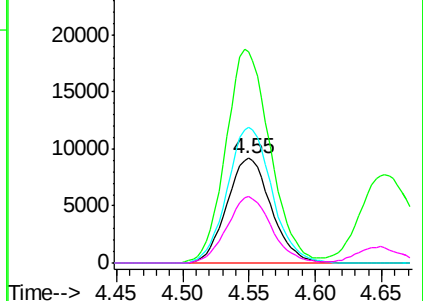


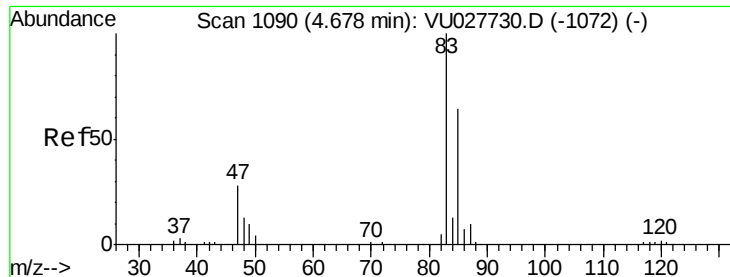
Abundance Ion 128.00 (127.70 to 128.70): VU027733.D (-1037) (-)

Ion 49.00 (48.70 to 49.70): VU027733.D (-1037) (-)

Ion 130.00 (129.70 to 130.70): VU027733.D (-1037) (-)

Ion 51.00 (50.70 to 51.70): VU027733.D (-1037) (-)

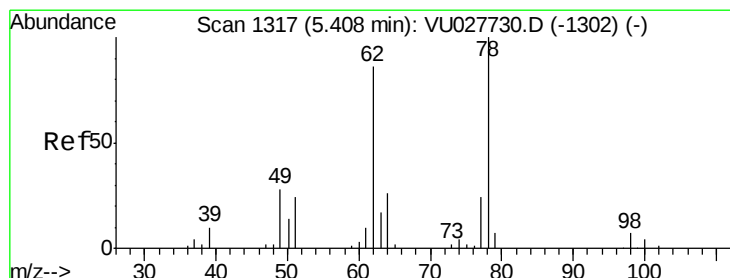
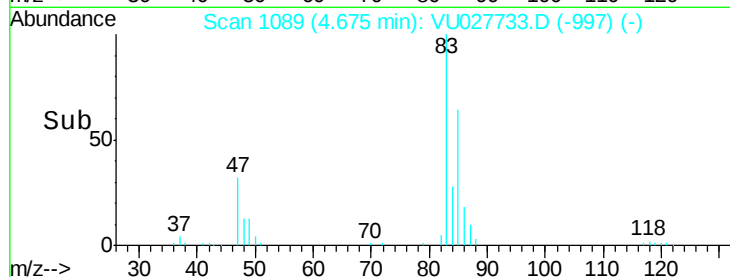
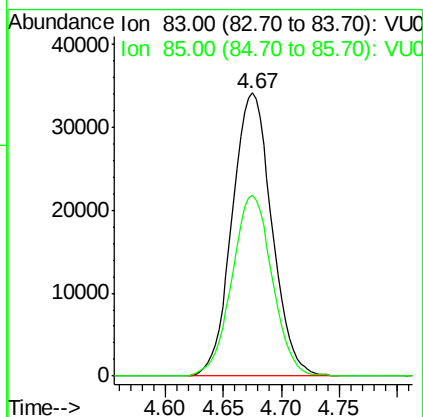
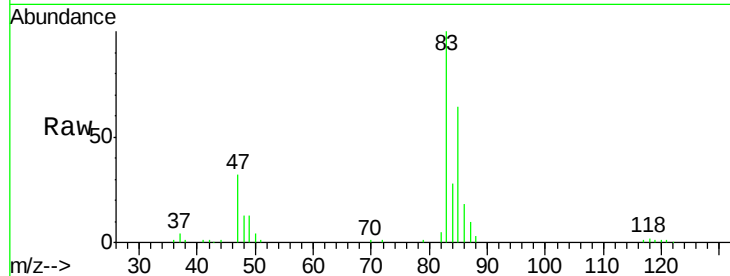




#25
Chloroform
Concen: 52.176 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027733.D
Acq: 22 Oct 2018 10:49

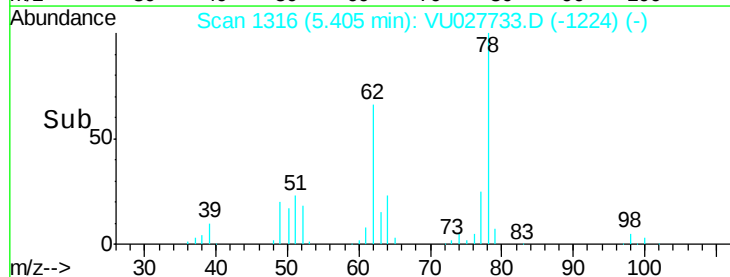
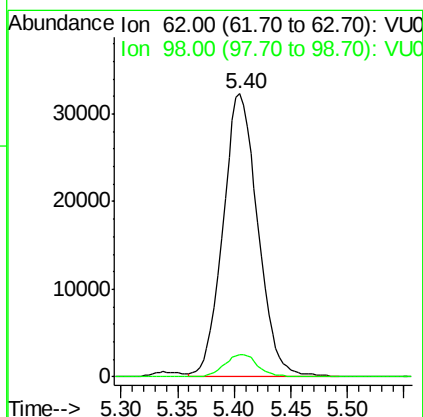
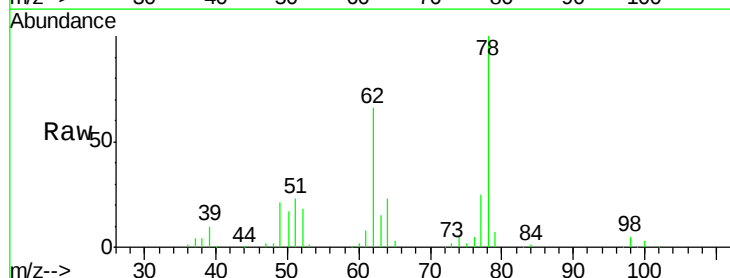
Instrument :
MSVOA_U
ClientSampleId :
VICV57

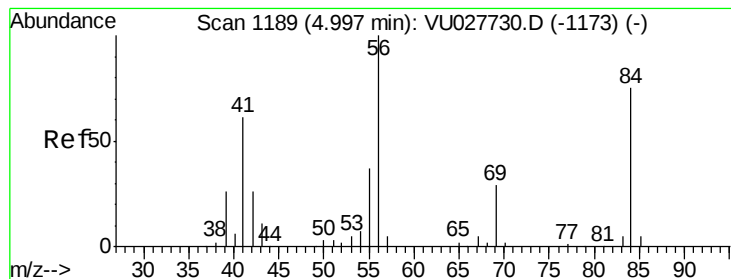
Tgt Ion: 83 Resp: 81210
Ion Ratio Lower Upper
83 100
85 63.8 45.4 84.4



#27
1,2-Dichloroethane
Concen: 51.307 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027733.D
Acq: 22 Oct 2018 10:49

Tgt Ion: 62 Resp: 69303
Ion Ratio Lower Upper
62 100
98 7.7 6.3 9.5





#29

Cyclohexane

Concen: 51.123 ug/L

RT: 5.00 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

Instrument :

MSVOA_U

ClientSampleId :

VICV57

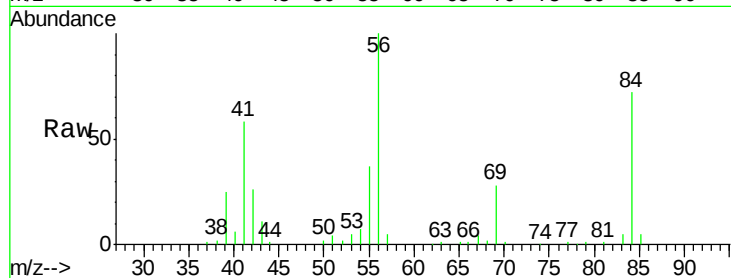
Tgt Ion: 56 Resp: 84427

Ion Ratio Lower Upper

56 100

69 27.7 22.5 33.7

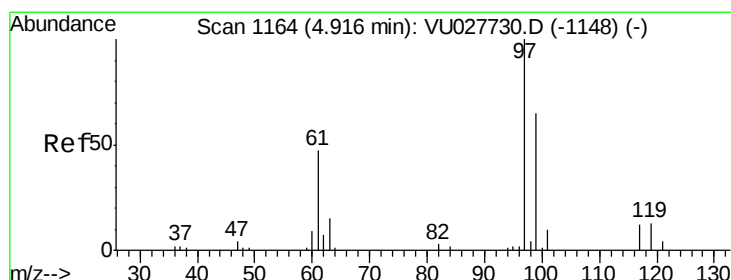
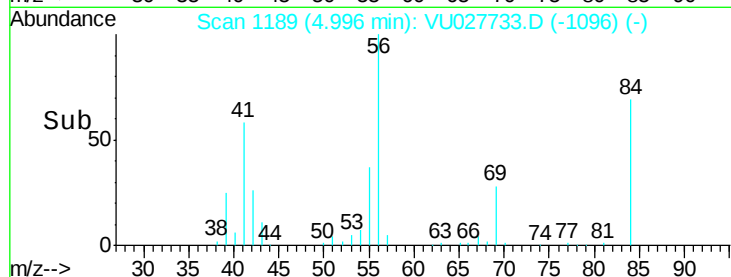
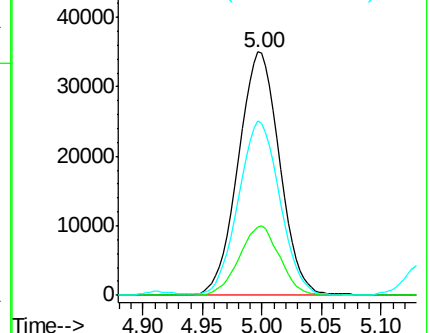
84 71.8 58.5 87.7



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 51.226 ug/L

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

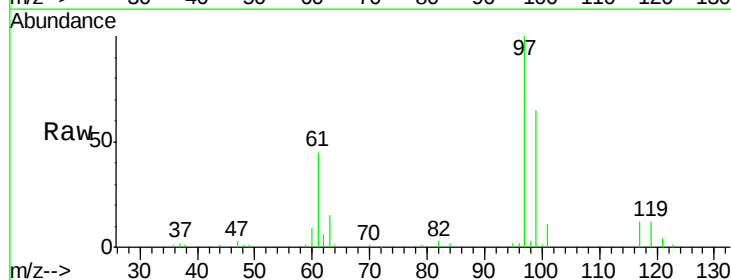
Tgt Ion: 97 Resp: 71541

Ion Ratio Lower Upper

97 100

99 64.3 51.7 77.5

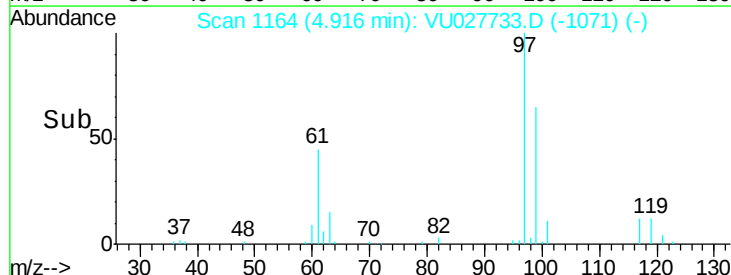
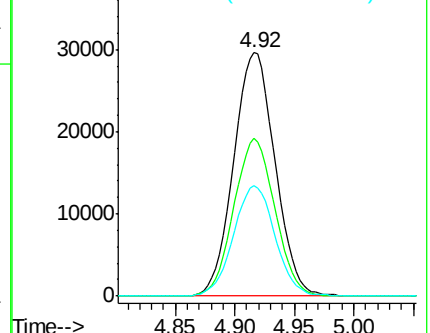
61 45.6 37.5 56.3

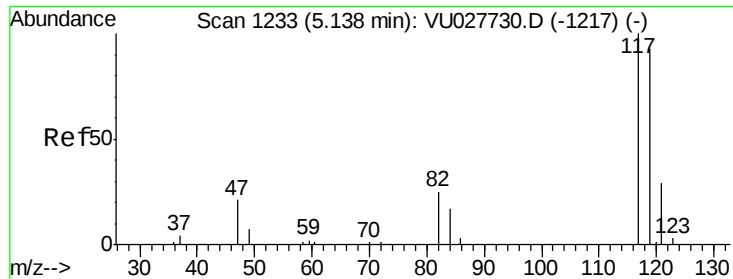


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

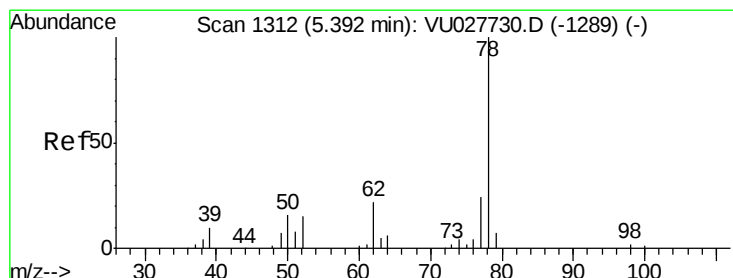
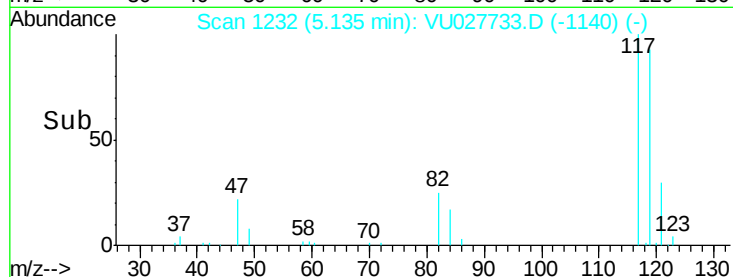
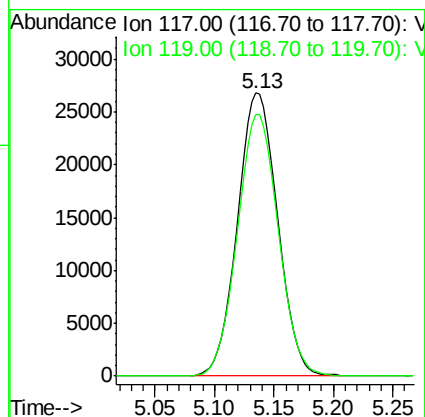
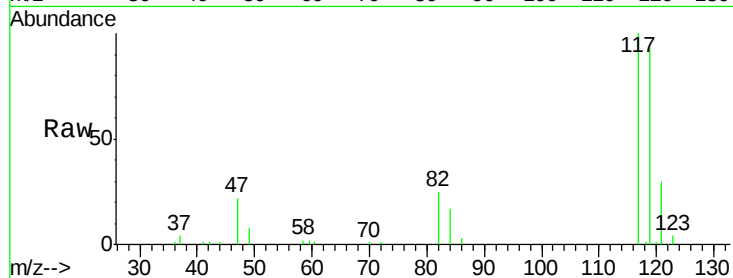




#31
Carbon tetrachloride
Concen: 50.010 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027733.D
Acq: 22 Oct 2018 10:49

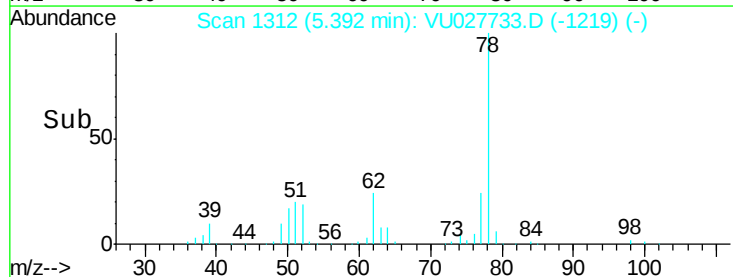
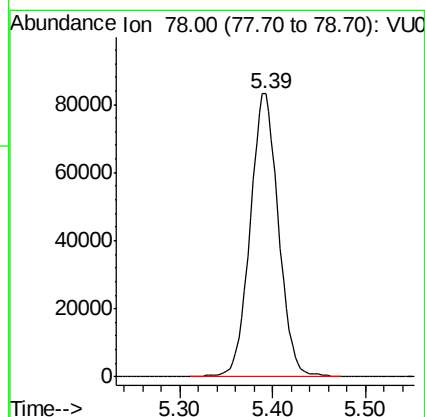
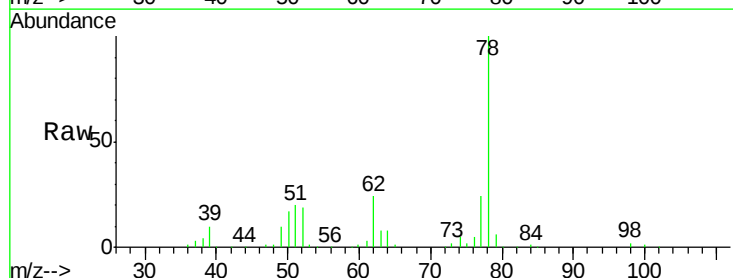
Instrument :
MSVOA_U
ClientSampleId :
VICV57

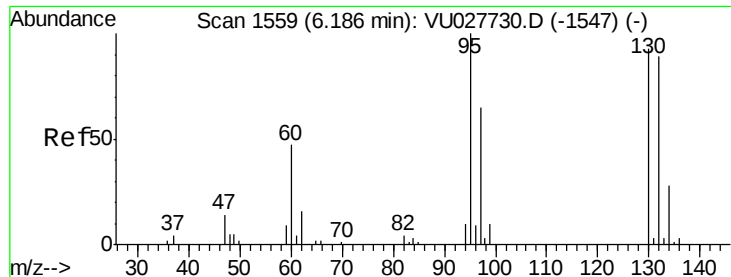
Tgt Ion:117 Resp: 62850
Ion Ratio Lower Upper
117 100
119 94.0 75.6 113.4



#33
Benzene
Concen: 51.458 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027733.D
Acq: 22 Oct 2018 10:49

Tgt Ion: 78 Resp: 176375





#34

Trichloroethene

Concen: 51.152 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

Instrument :

MSVOA_U

ClientSampleId :

VICV57

Tgt Ion: 95 Resp: 43892

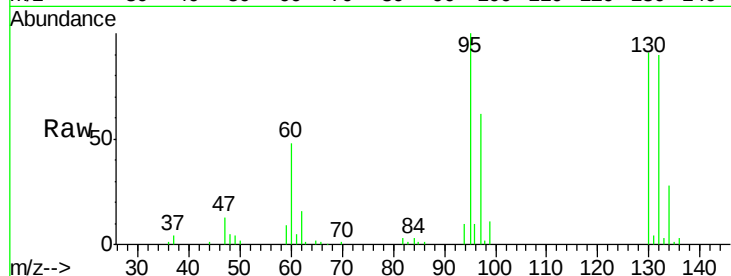
Ion Ratio Lower Upper

95 100

97 61.7 45.8 85.2

132 90.3 62.1 115.3

130 90.5 65.0 120.6

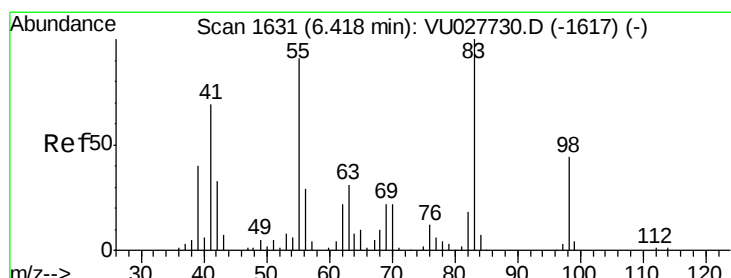
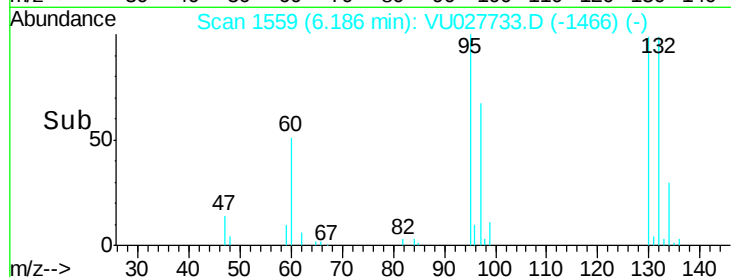
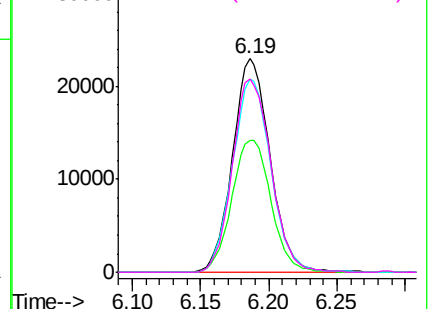


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 51.702 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

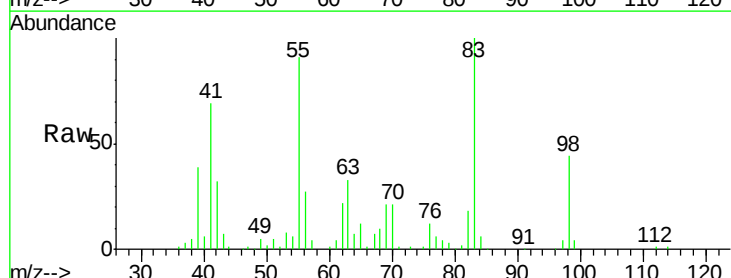
Tgt Ion: 83 Resp: 76724

Ion Ratio Lower Upper

83 100

55 89.9 71.9 107.9

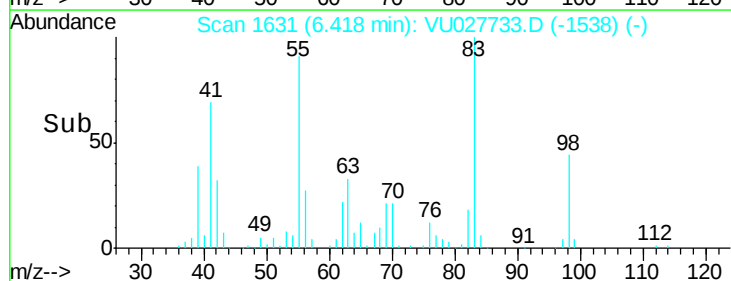
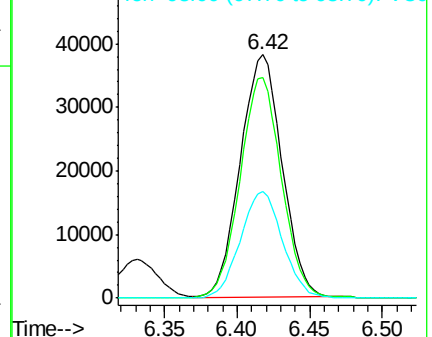
98 44.3 34.6 52.0

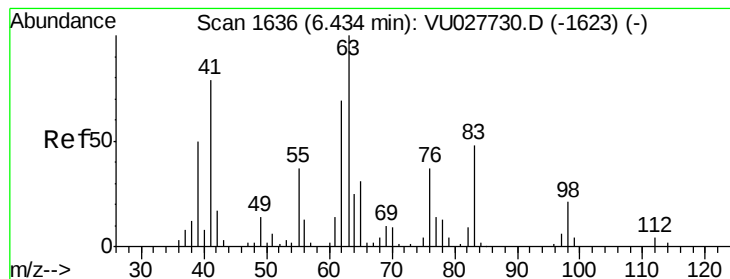


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 51.578 ug/L

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

Instrument :

MSVOA_U

ClientSampleId :

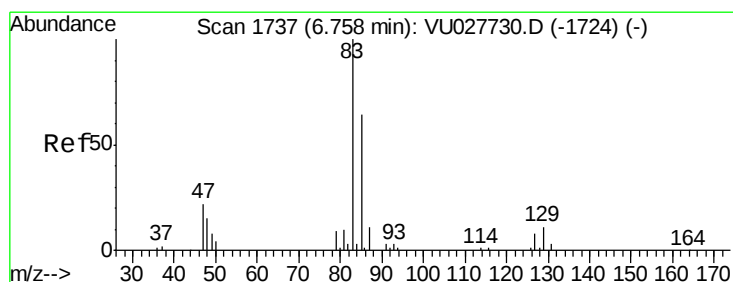
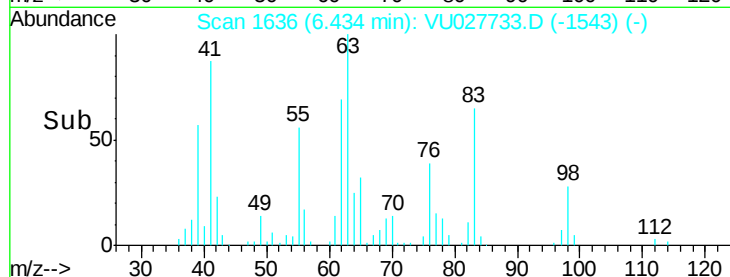
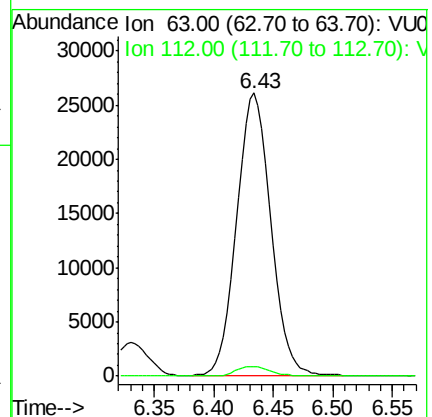
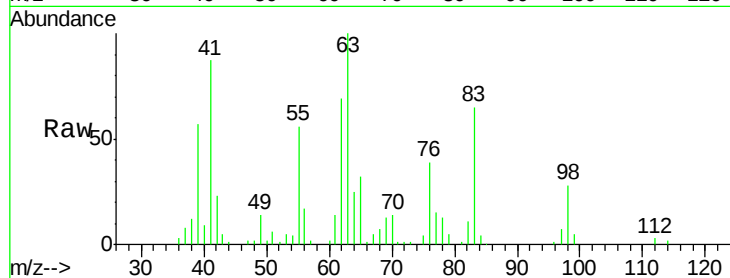
VICV57

Tgt Ion: 63 Resp: 52234

Ion Ratio Lower Upper

63 100

112 3.3 2.6 3.8



#38

Bromodichloromethane

Concen: 51.436 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

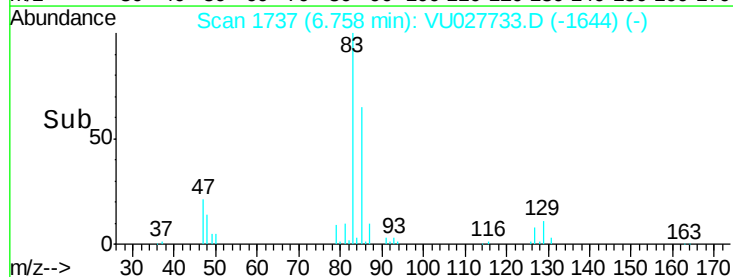
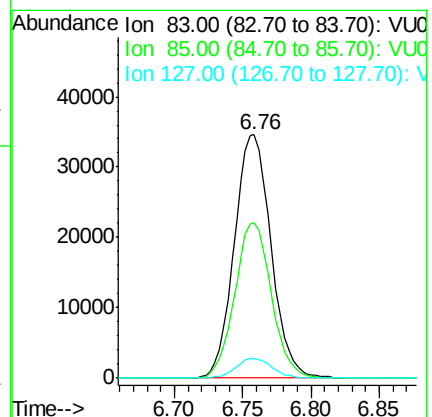
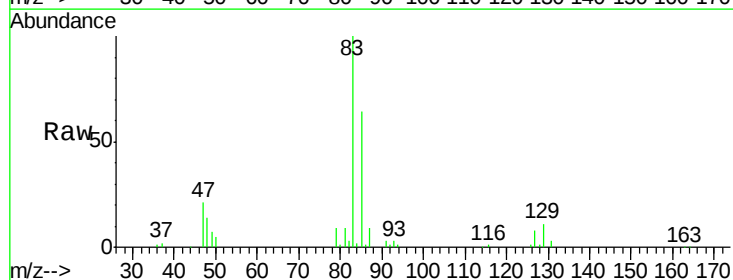
Tgt Ion: 83 Resp: 64731

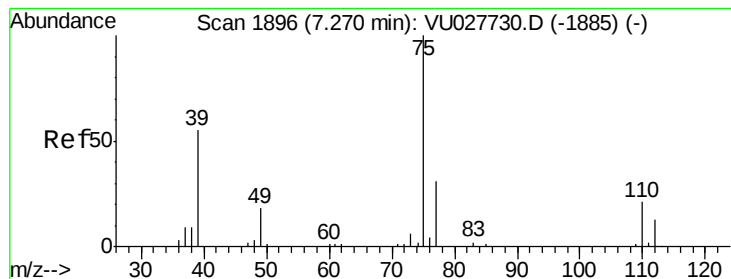
Ion Ratio Lower Upper

83 100

85 64.0 44.5 82.7

127 8.1 6.2 9.2



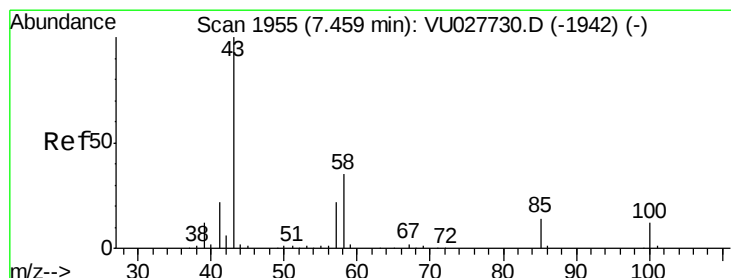
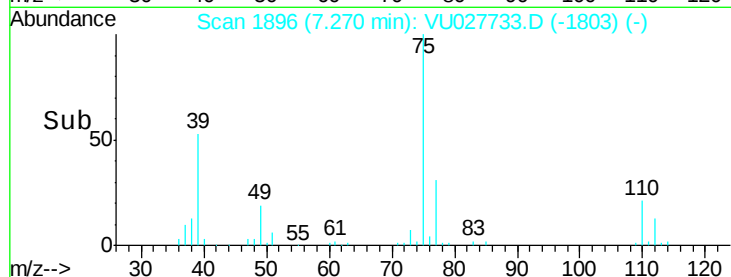
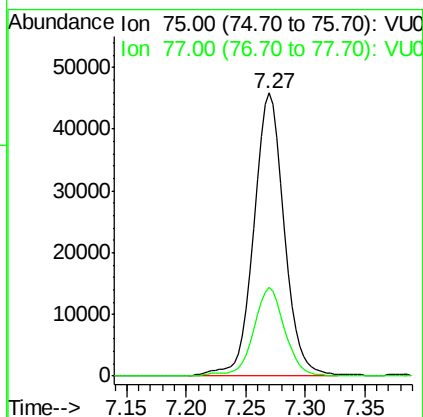
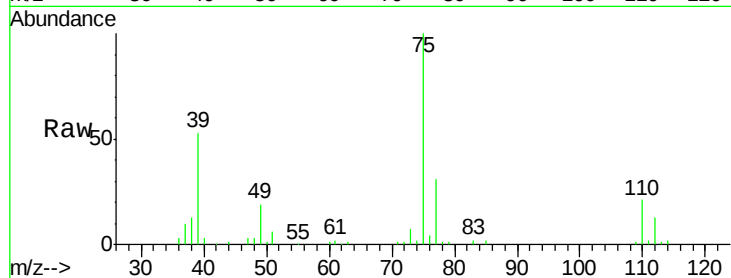


#39

cis-1,3-Dichloropropene
Concen: 52.245 ug/L
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027733.D
Acq: 22 Oct 2018 10:49

Instrument :
MSVOA_U
ClientSampleId :
VICV57

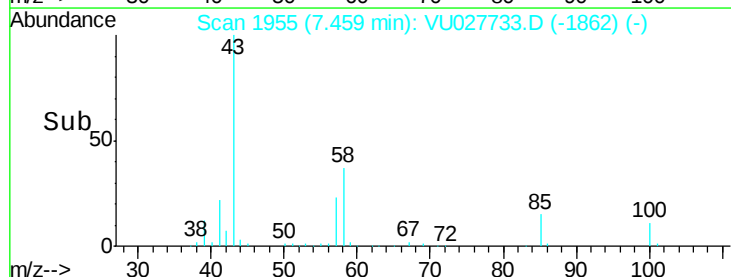
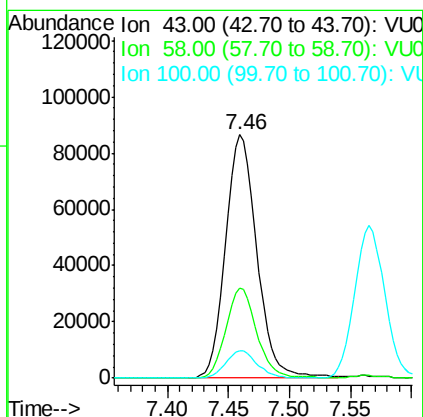
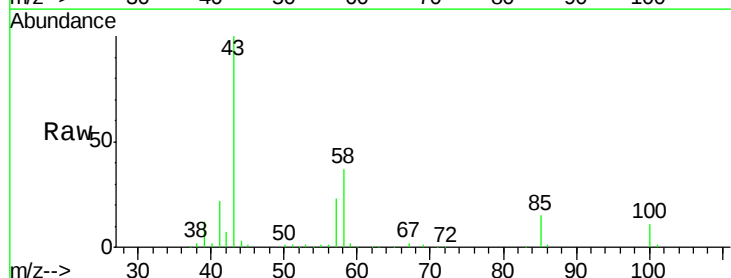
Tgt Ion: 75 Resp: 81468
Ion Ratio Lower Upper
75 100
77 31.2 22.5 41.7

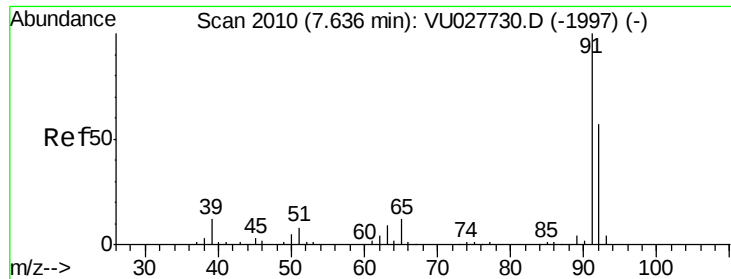


#40

4-Methyl-2-pentanone
Concen: 95.770 ug/L
RT: 7.46 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VU027733.D
Acq: 22 Oct 2018 10:49

Tgt Ion: 43 Resp: 155877
Ion Ratio Lower Upper
43 100
58 36.5 28.3 42.5
100 11.2 9.1 13.7





#42

Toluene

Concen: 52.155 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

Instrument :

MSVOA_U

ClientSampleId :

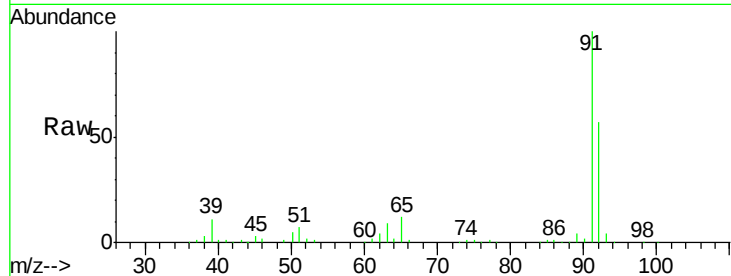
VICV57

Tgt Ion: 91 Resp: 187214

Ion Ratio Lower Upper

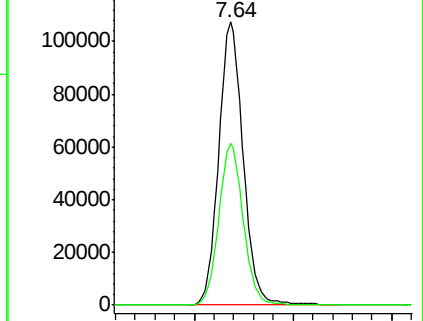
91 100

92 57.0 39.9 74.1

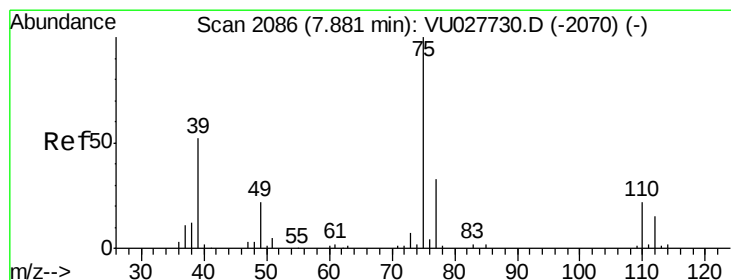
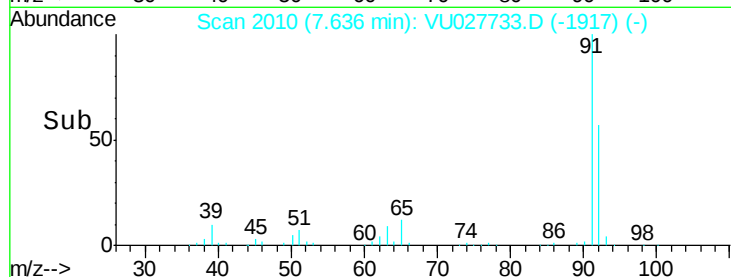


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.841 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU027733.D

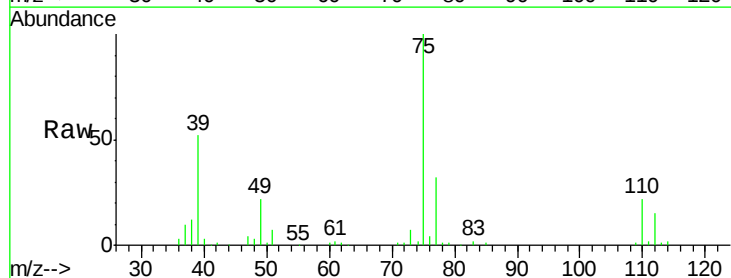
Acq: 22 Oct 2018 10:49

Tgt Ion: 75 Resp: 74993

Ion Ratio Lower Upper

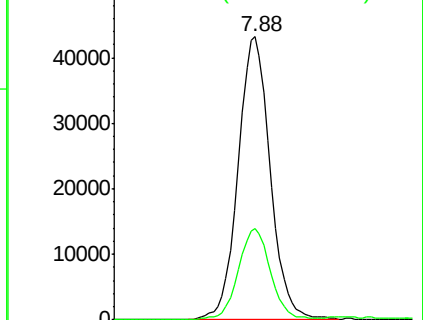
75 100

77 32.4 22.8 42.4

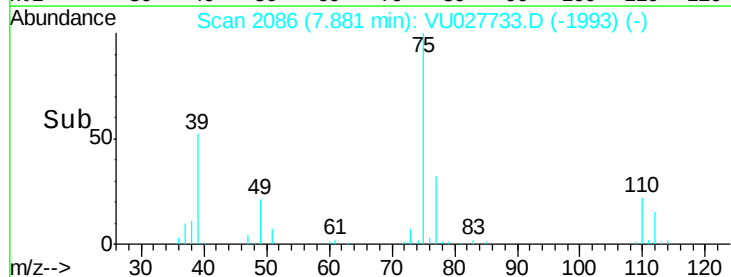


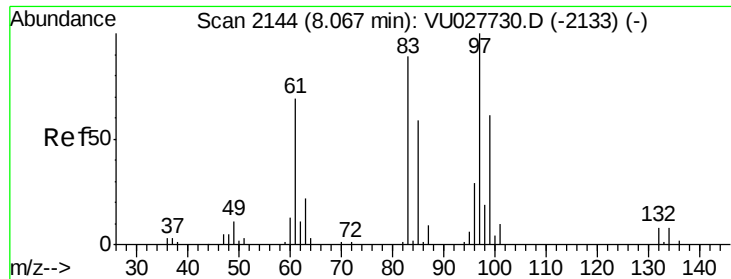
Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time-->

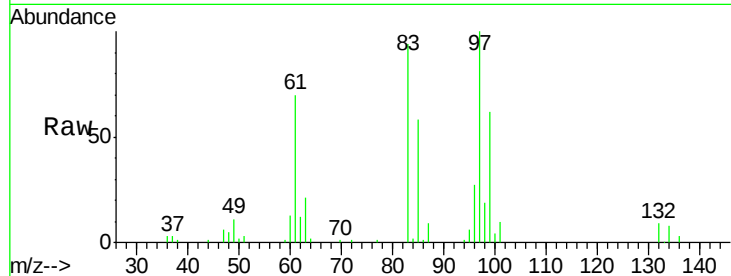




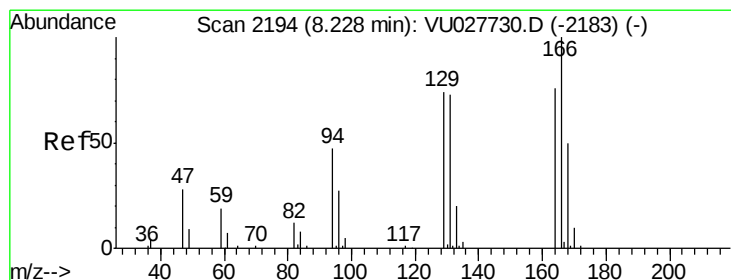
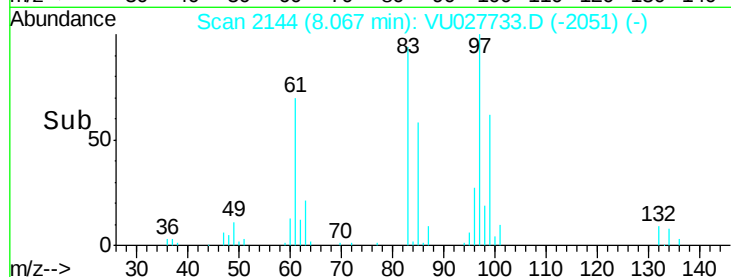
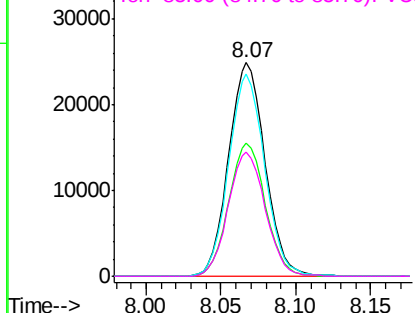
#45
 1,1,2-Trichloroethane
 Concen: 50.542 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027733.D
 Acq: 22 Oct 2018 10:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV57

Tgt Ion:	97	Resp:	42279
Ion	Ratio	Lower	Upper
97	100		
99	62.5	42.6	79.2
83	94.4	62.4	115.8
85	57.9	41.6	77.2

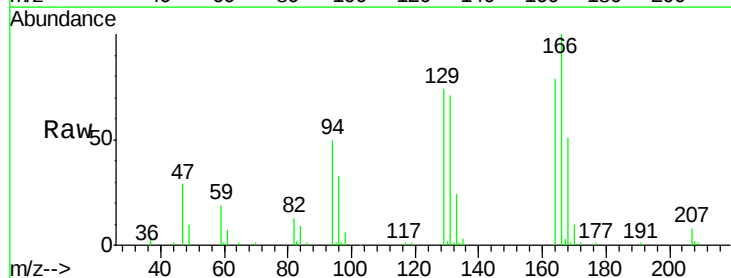


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

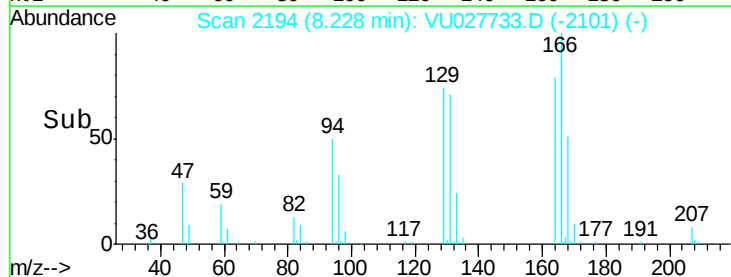
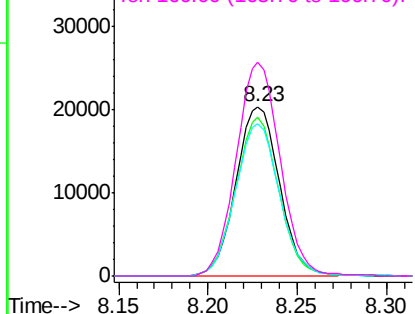


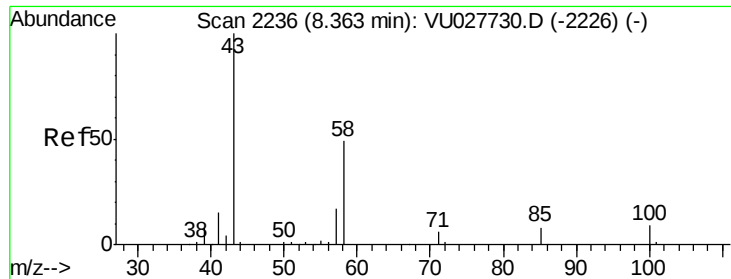
#46
 Tetrachloroethene
 Concen: 52.503 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VU027733.D
 Acq: 22 Oct 2018 10:49

Tgt Ion:	164	Resp:	34792
Ion	Ratio	Lower	Upper
164	100		
129	93.8	68.5	127.3
131	89.9	67.1	124.5
166	126.1	92.2	171.2



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

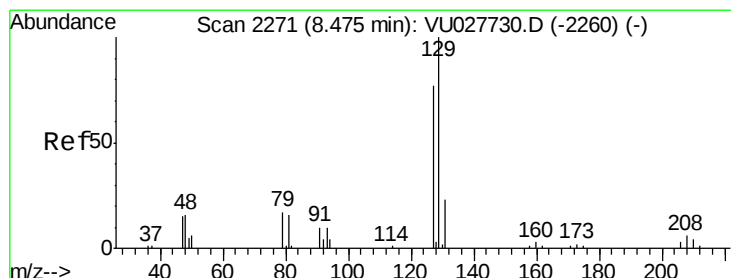
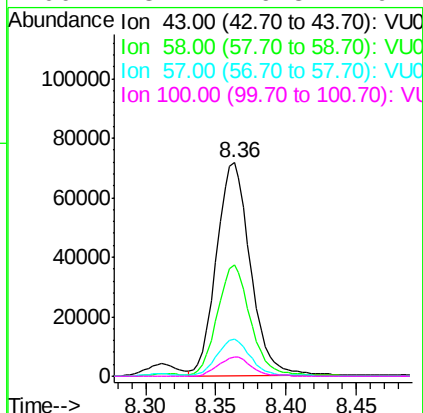
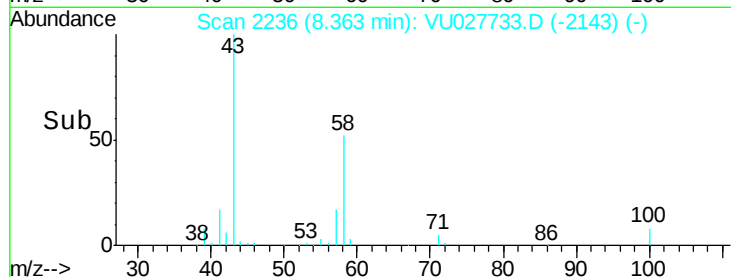
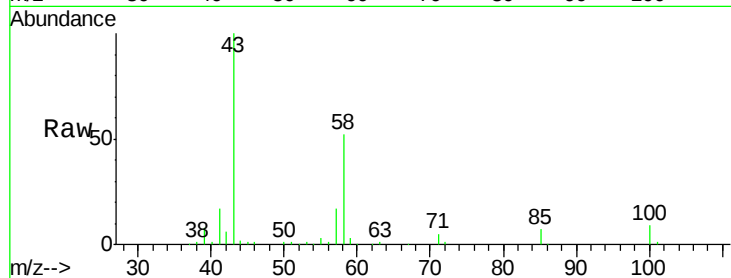




#48
2-Hexanone
Concen: 94.833 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027733.D
Acq: 22 Oct 2018 10:49

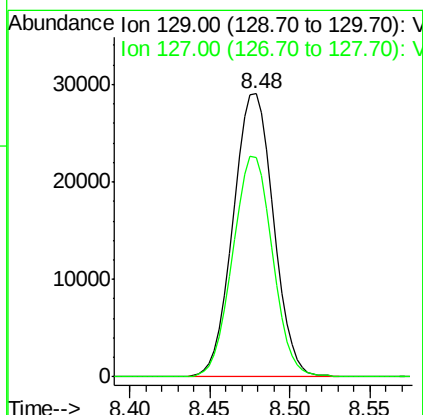
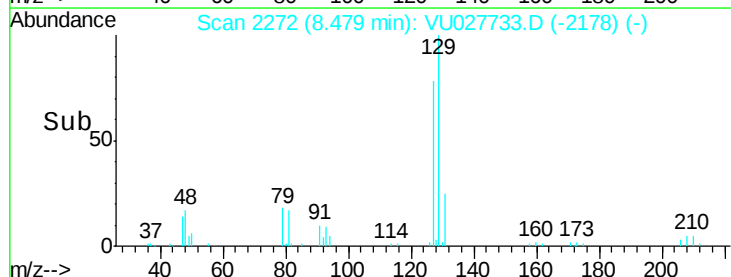
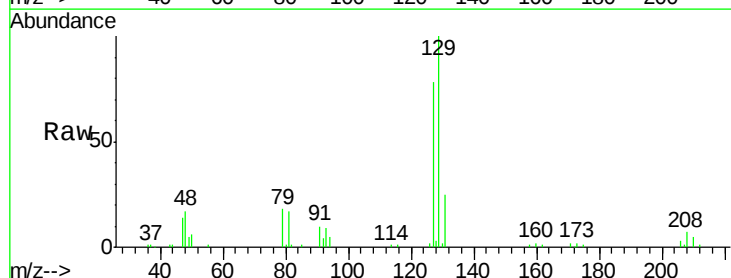
Instrument :
MSVOA_U
ClientSampleId :
VICV57

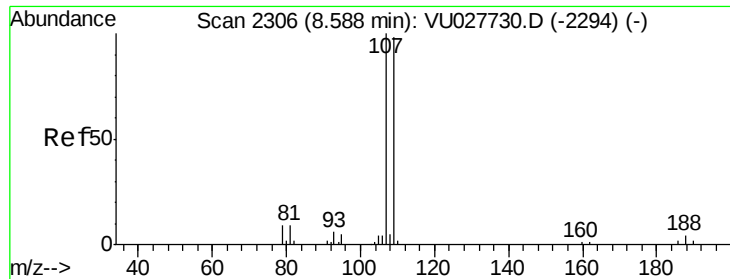
Tgt Ion: 43 Resp: 119702
Ion Ratio Lower Upper
43 100
58 50.4 38.8 58.2
57 17.6 13.1 19.7
100 8.7 6.8 10.2



#49
Dibromochloromethane
Concen: 50.429 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027733.D
Acq: 22 Oct 2018 10:49

Tgt Ion: 129 Resp: 49986
Ion Ratio Lower Upper
129 100
127 77.7 54.1 100.5

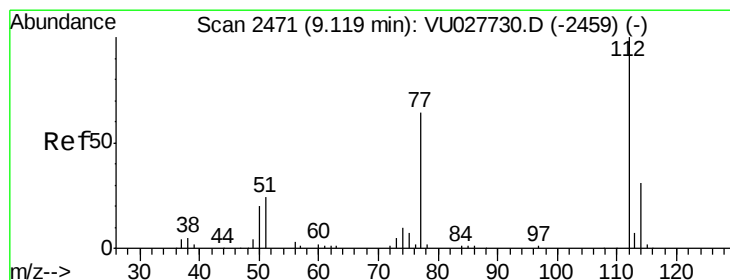
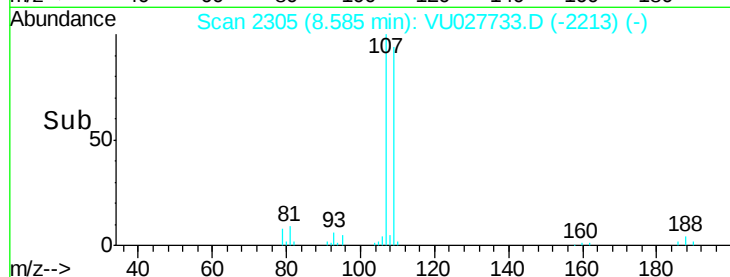
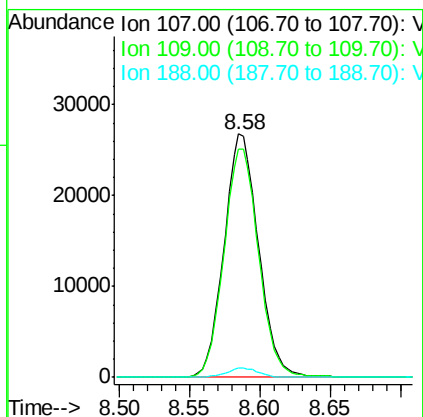
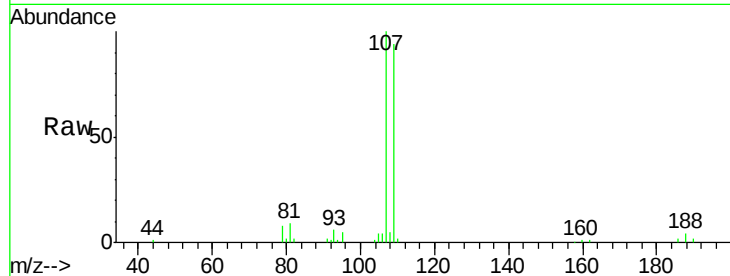




#50
1,2-Dibromoethane
Concen: 51.114 ug/L
RT: 8.58 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VU027733.D
Acq: 22 Oct 2018 10:49

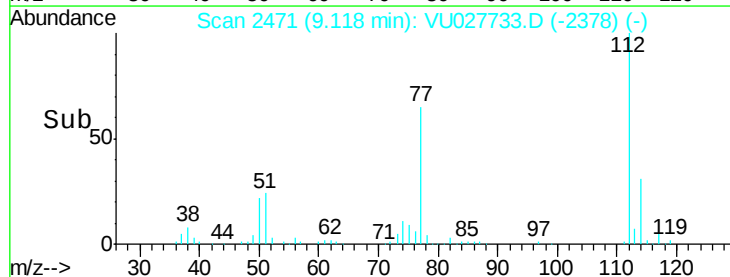
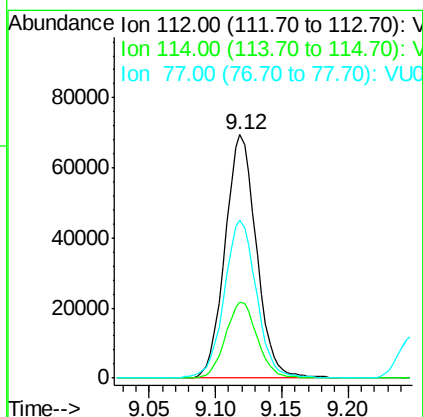
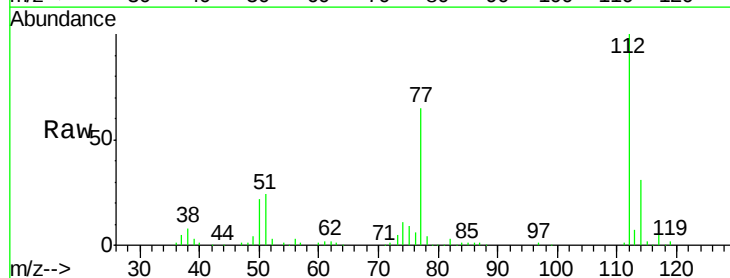
Instrument :
MSVOA_U
ClientSampleId :
VICV57

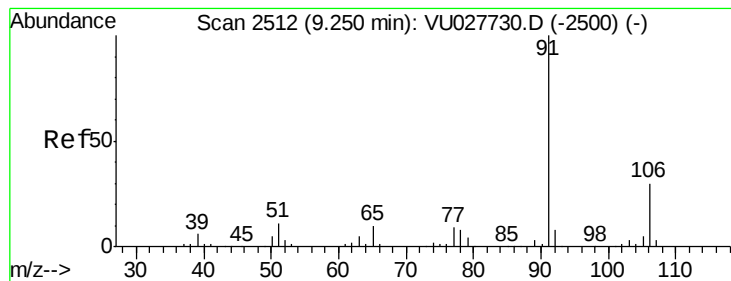
Tgt Ion:107 Resp: 45636
Ion Ratio Lower Upper
107 100
109 93.8 68.4 127.0
188 4.0 3.3 4.9



#51
Chlorobenzene
Concen: 51.939 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027733.D
Acq: 22 Oct 2018 10:49

Tgt Ion:112 Resp: 114301
Ion Ratio Lower Upper
112 100
114 31.3 21.9 40.7
77 64.8 52.2 78.2





#52

Ethylbenzene

Concen: 52.504 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

Instrument :

MSVOA_U

ClientSampleId :

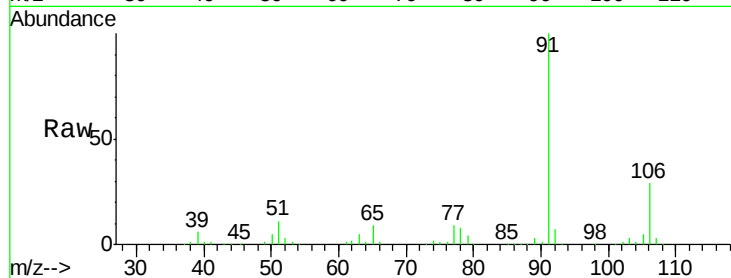
VICV57

Tgt Ion: 91 Resp: 213187

Ion Ratio Lower Upper

91 100

106 28.7 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VU027733.D (-2500) (-)

Ion 106.00 (105.70 to 106.70): VU027733.D (-2500) (-)

9.25

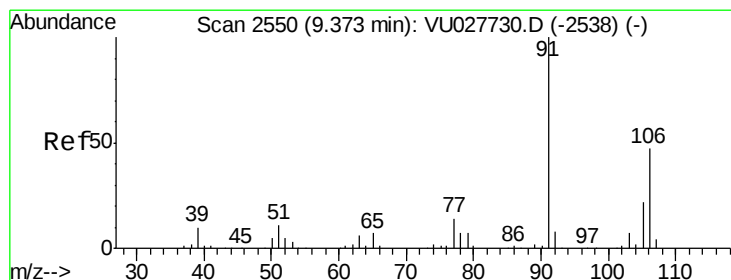
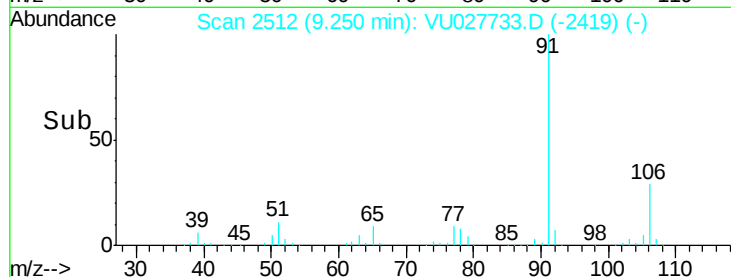
150000

100000

50000

0

Time--> 9.15 9.20 9.25 9.30 9.35



#53

m,p-Xylene

Concen: 52.037 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027733.D

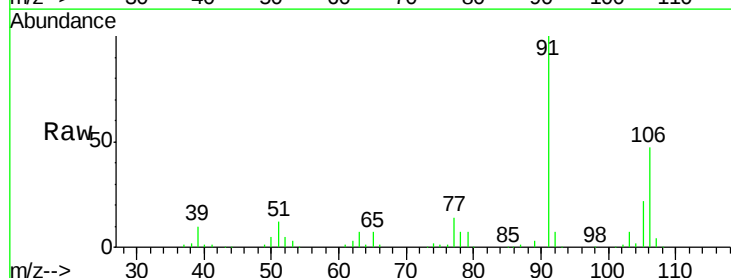
Acq: 22 Oct 2018 10:49

Tgt Ion: 106 Resp: 76329

Ion Ratio Lower Upper

106 100

91 213.1 147.9 274.7



Abundance Ion 106.00 (105.70 to 106.70): VU027733.D (-2550) (-)

Ion 91.00 (90.70 to 91.70): VU027733.D (-2550) (-)

9.38

100000

80000

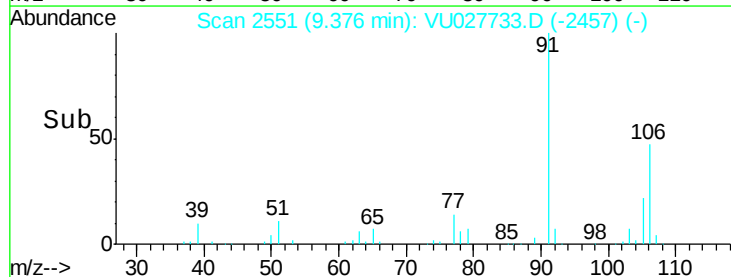
60000

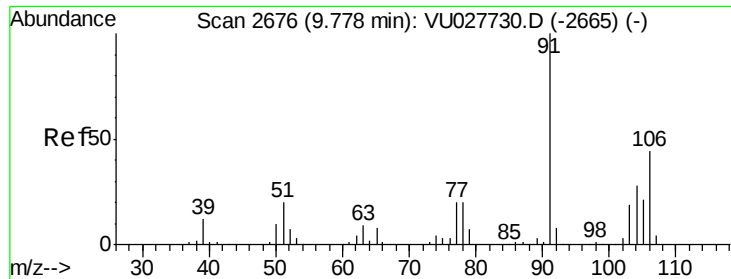
40000

20000

0

Time--> 9.30 9.35 9.40





#54

o-xylene

Concen: 51.375 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

Instrument :

MSVOA_U

ClientSampleId :

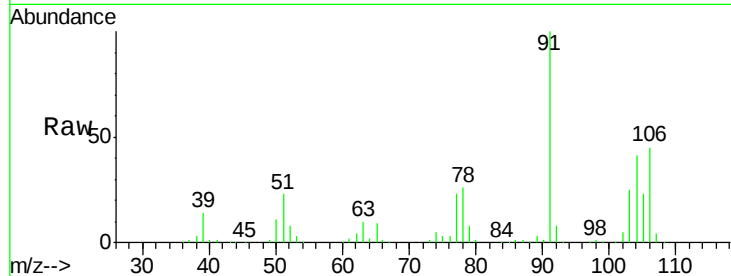
VICV57

Tgt Ion:106 Resp: 75117

Ion Ratio Lower Upper

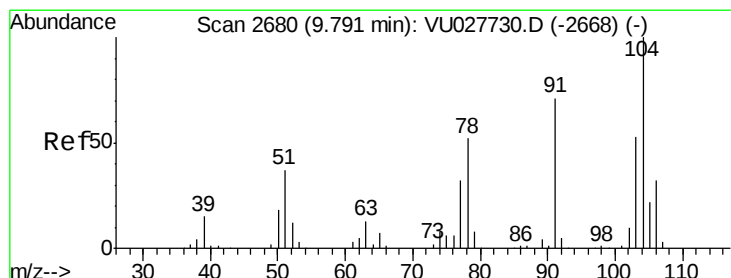
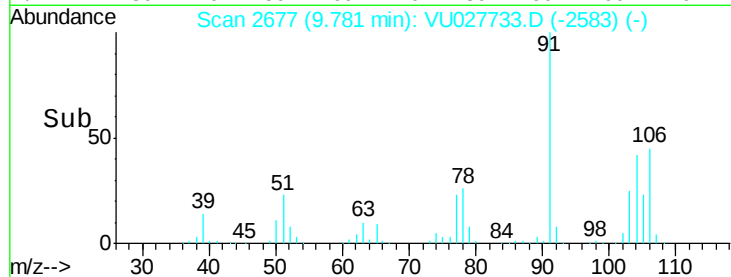
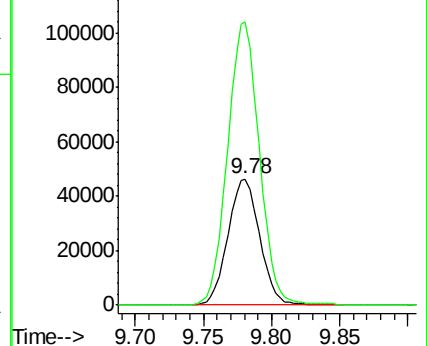
106 100

91 223.9 159.4 296.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.724 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027733.D

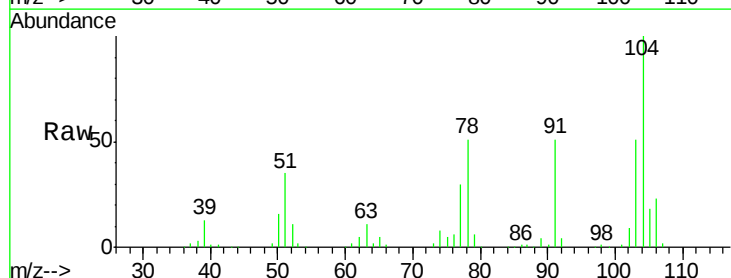
Acq: 22 Oct 2018 10:49

Tgt Ion:104 Resp: 128728

Ion Ratio Lower Upper

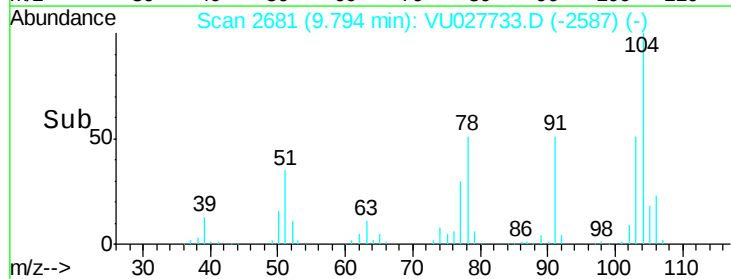
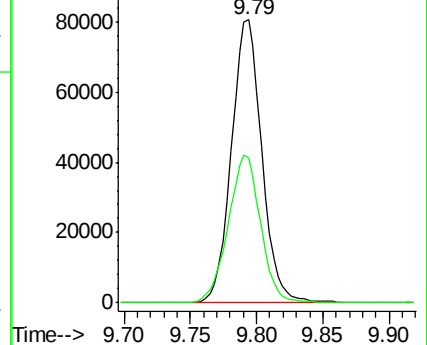
104 100

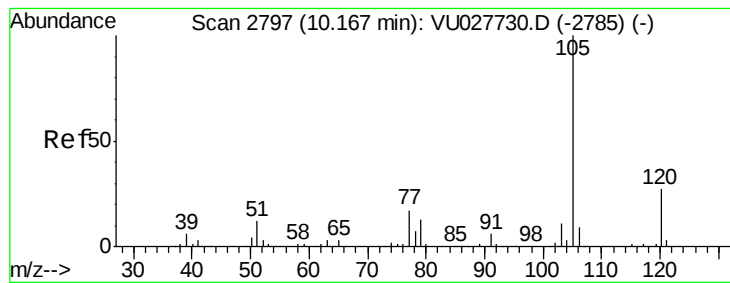
78 51.2 36.5 67.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 52.387 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

Instrument :

MSVOA_U

ClientSampleId :

VICV57

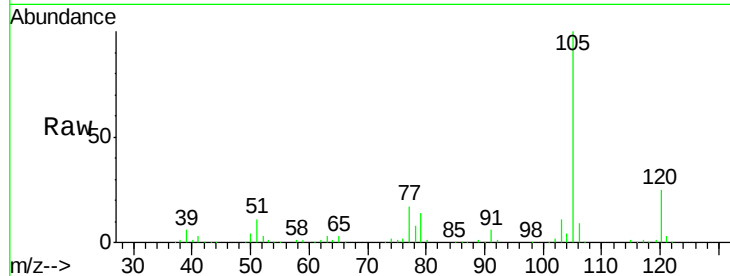
Tgt Ion: 105 Resp: 202853

Ion Ratio Lower Upper

105 100

120 25.0 21.0 31.6

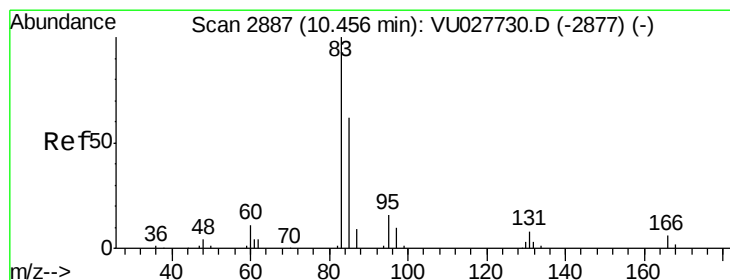
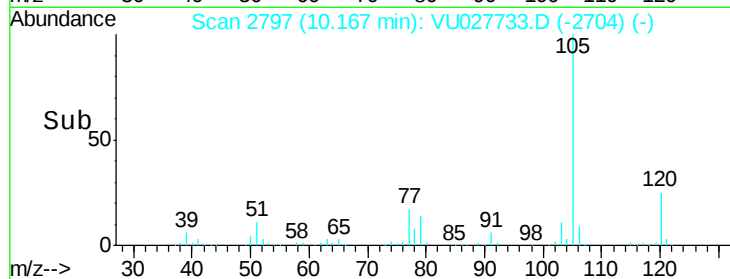
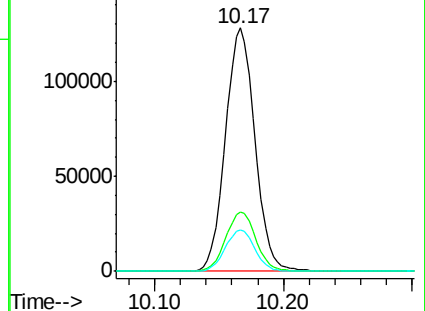
77 17.0 13.7 20.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.236 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

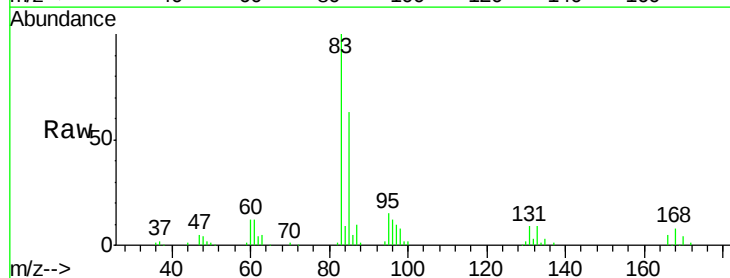
Tgt Ion: 83 Resp: 73240

Ion Ratio Lower Upper

83 100

85 63.0 44.6 82.8

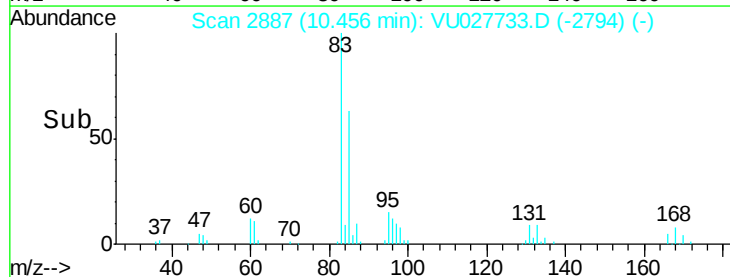
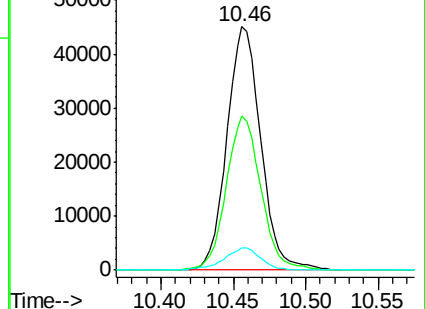
131 8.9 6.9 10.3

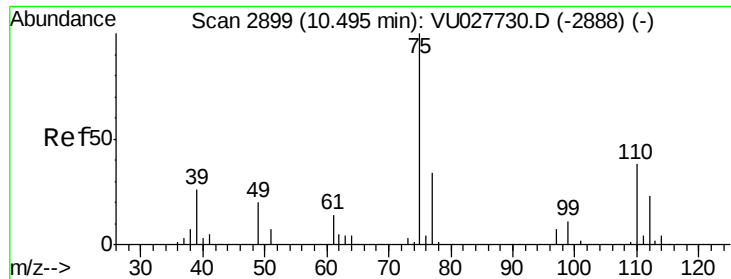


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.026 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

Instrument :

MSVOA_U

ClientSampleId :

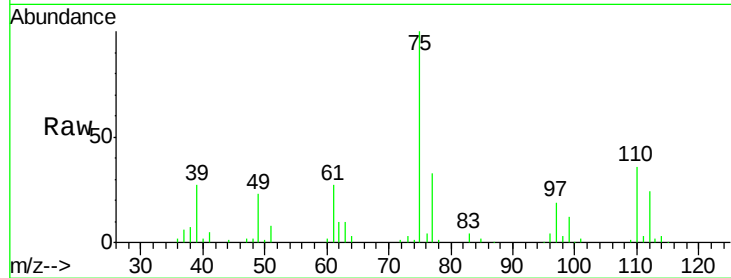
VICV57

Tgt Ion: 75 Resp: 57480

Ion Ratio Lower Upper

75 100

77 32.3 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU027733.D (-2888) (-)

Ion 77.00 (76.70 to 77.70): VU027733.D (-2888) (-)

10.49

40000

30000

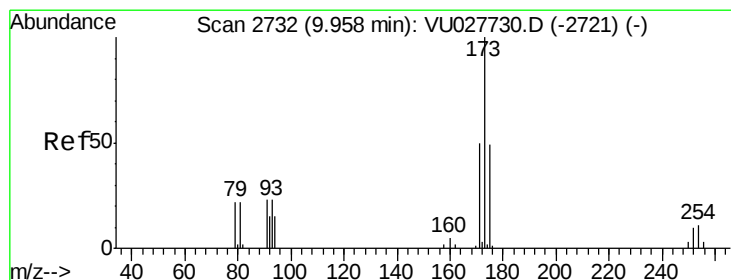
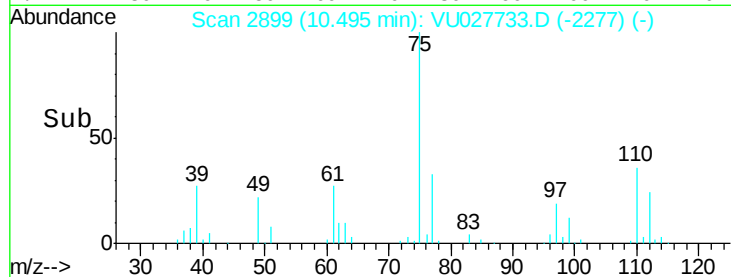
20000

10000

0

10.45 10.50 10.55

Time-->



#61

Bromoform

Concen: 50.083 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

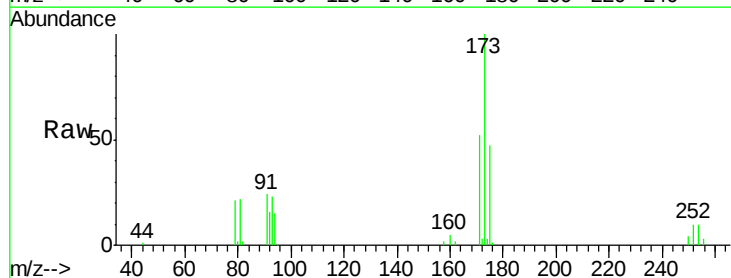
Tgt Ion: 173 Resp: 38278

Ion Ratio Lower Upper

173 100

175 47.6 38.6 58.0

254 9.6 7.9 11.9



Abundance Ion 173.00 (172.70 to 173.70): VU027733.D (-2721) (-)

Ion 175.00 (174.70 to 175.70): VU027733.D (-2721) (-)

Ion 254.00 (253.70 to 254.70): VU027733.D (-2721) (-)

9.96

30000

25000

20000

15000

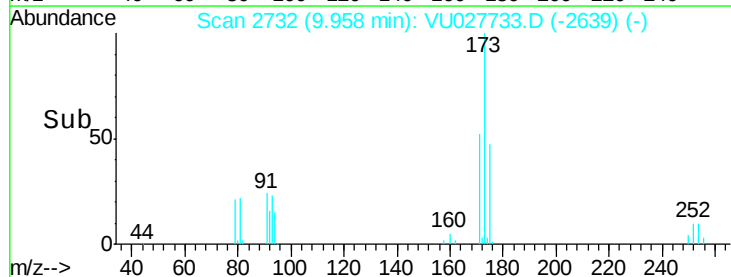
10000

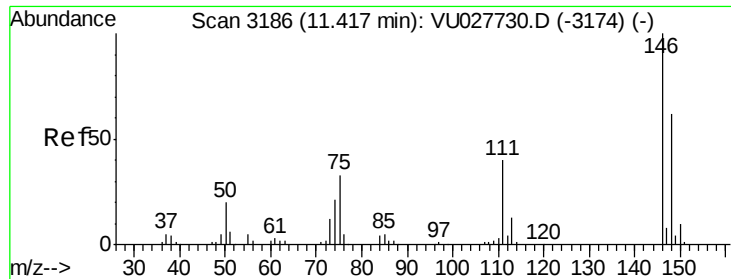
5000

0

9.90 9.95 10.00

Time-->





#62

1,3-Dichlorobenzene

Concen: 53.187 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

Instrument :

MSVOA_U

ClientSampleId :

VICV57

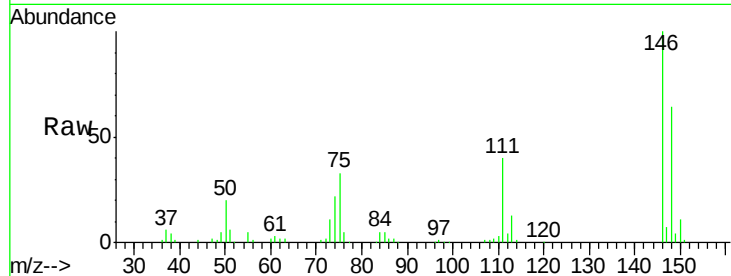
Tgt Ion:146 Resp: 91438

Ion Ratio Lower Upper

146 100

111 39.9 28.1 52.3

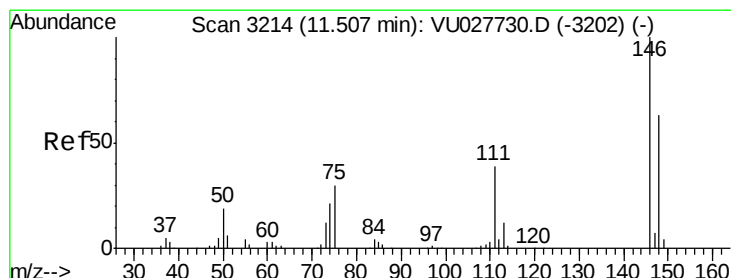
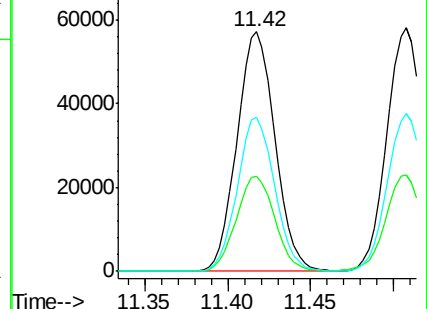
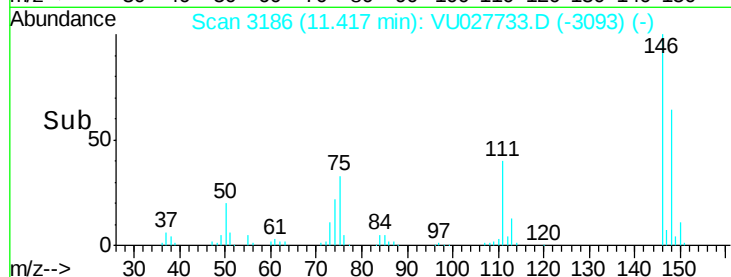
148 64.4 43.7 81.1



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: 51.915 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

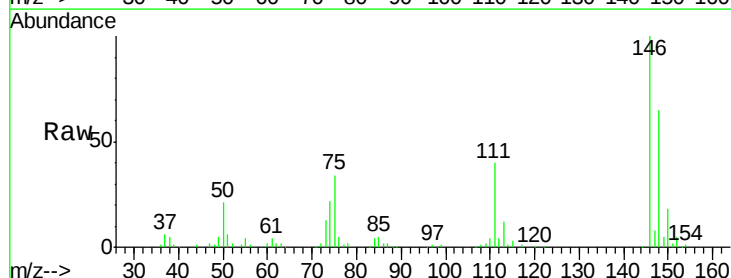
Tgt Ion:146 Resp: 91008

Ion Ratio Lower Upper

146 100

111 39.8 27.5 51.1

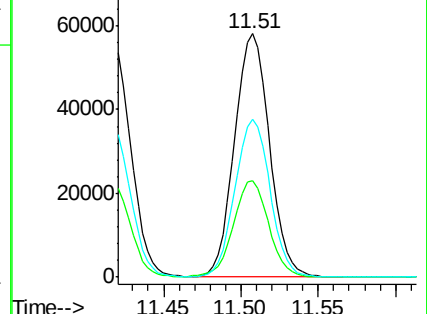
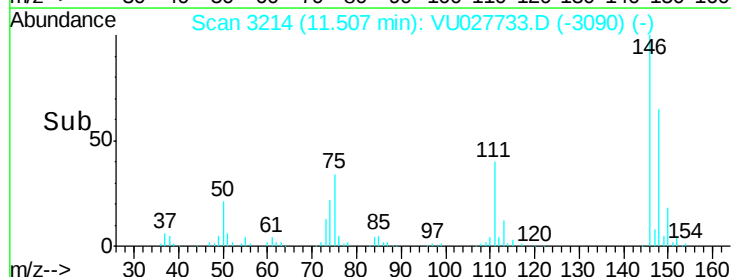
148 64.8 44.1 81.9

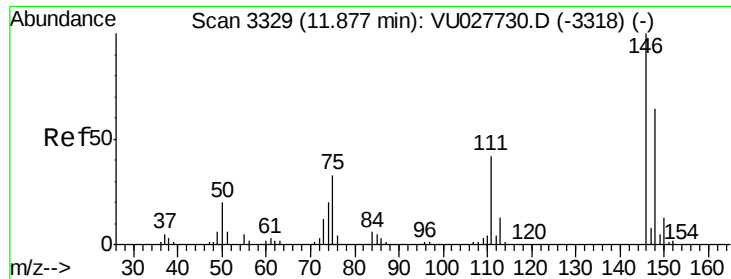


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 51.833 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

Instrument :

MSVOA_U

ClientSampled :

VICV57

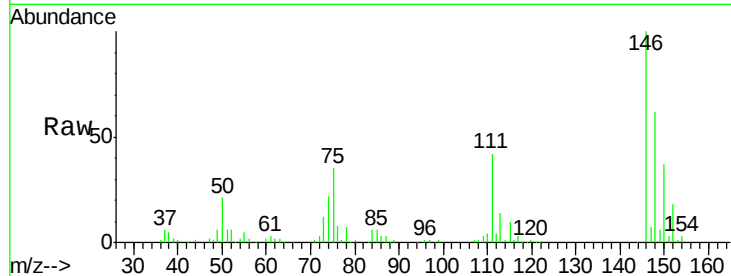
Tgt Ion: 146 Resp: 91654

Ion Ratio Lower Upper

146 100

111 42.5 33.8 50.8

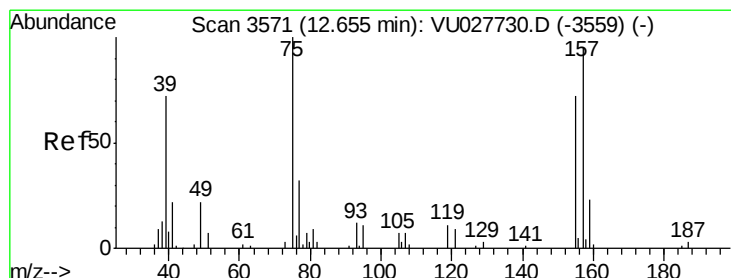
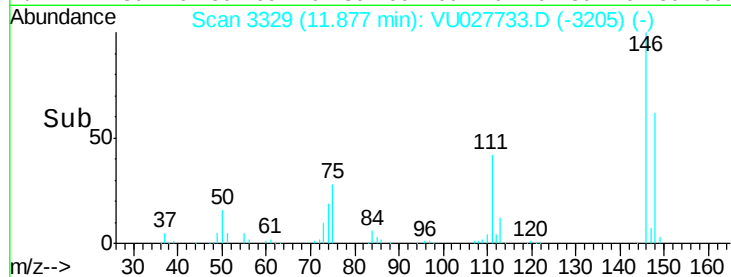
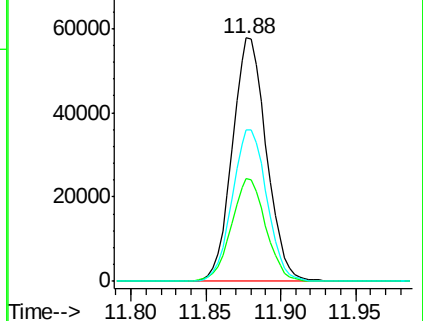
148 62.0 51.5 77.3



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



#66

1,2-Dibromo-3-chloropropane

Concen: 46.948 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

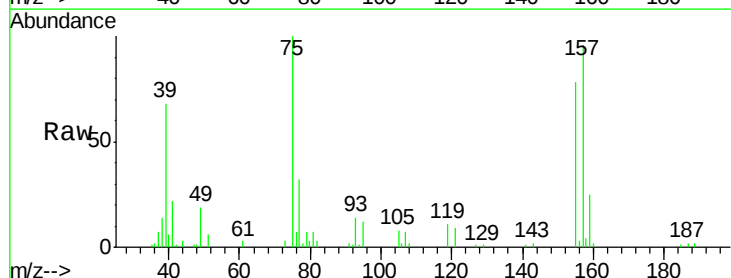
Tgt Ion: 75 Resp: 17298

Ion Ratio Lower Upper

75 100

155 77.8 57.4 86.2

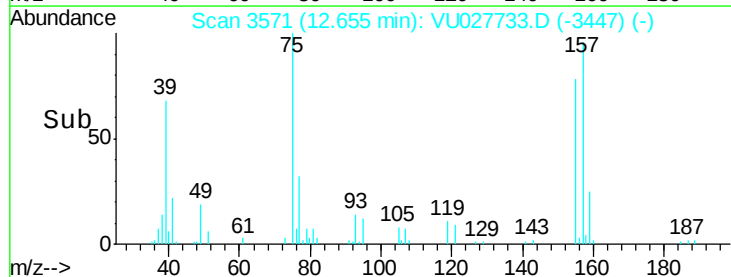
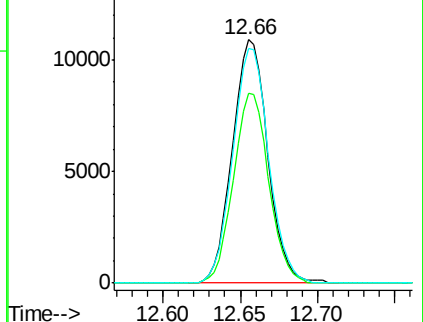
157 96.3 75.9 113.9

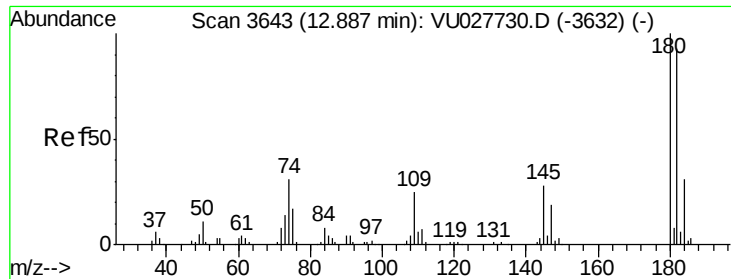


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

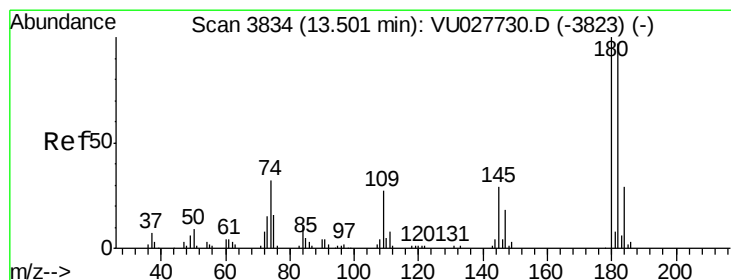
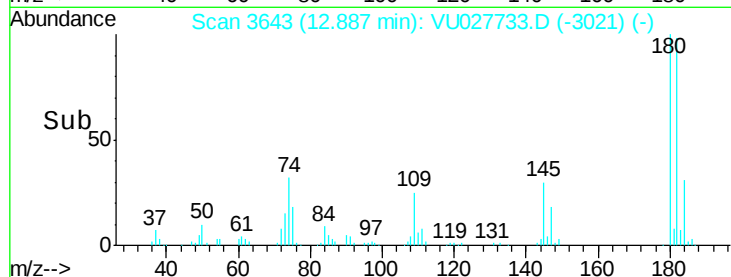
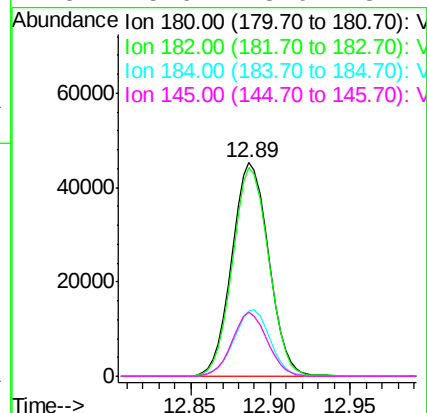
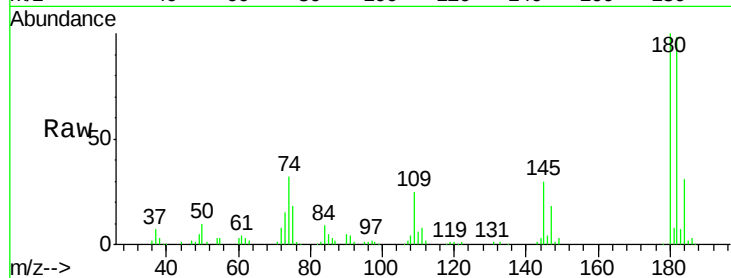




#67
 1,3,5-Trichlorobenzene
 Concen: 53.454 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU027733.D
 Acq: 22 Oct 2018 10:49

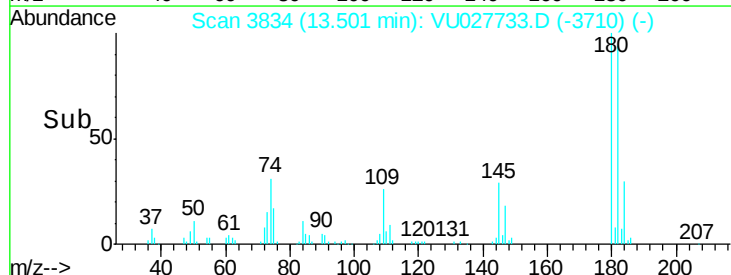
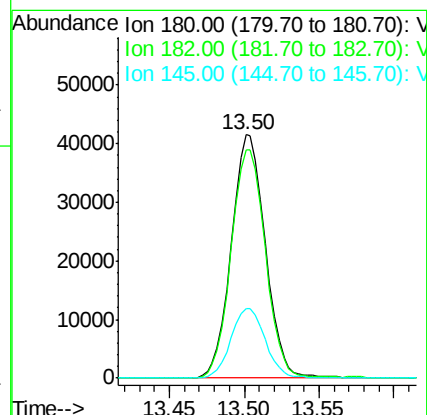
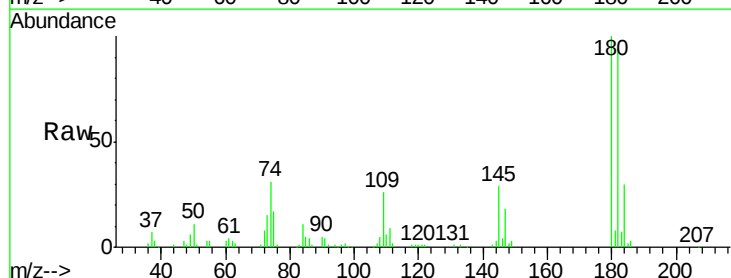
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV57

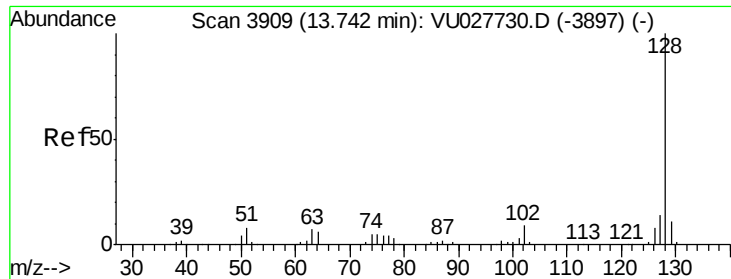
Tgt Ion:	180	Resp:	71075
Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.9	113.9
184	30.3	24.7	37.1
145	28.6	23.0	34.4



#68
 1,2,4-trichlorobenzene
 Concen: 55.678 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU027733.D
 Acq: 22 Oct 2018 10:49

Tgt Ion:	180	Resp:	65723
Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.1	115.7
145	28.8	23.4	35.0





#69

Naphthalene

Concen: 53.587 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

Instrument :

MSVOA_U

ClientSampleId :

VICV57

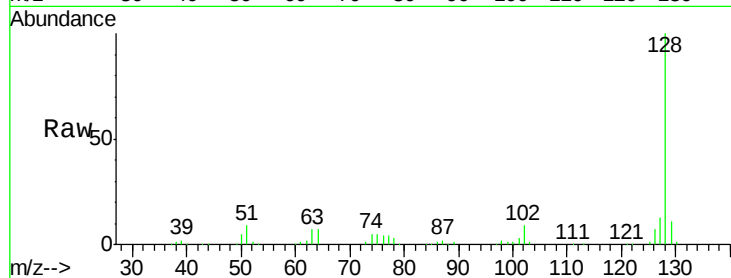
Tgt Ion:128 Resp: 204300

Ion Ratio Lower Upper

128 100

127 13.2 10.9 16.3

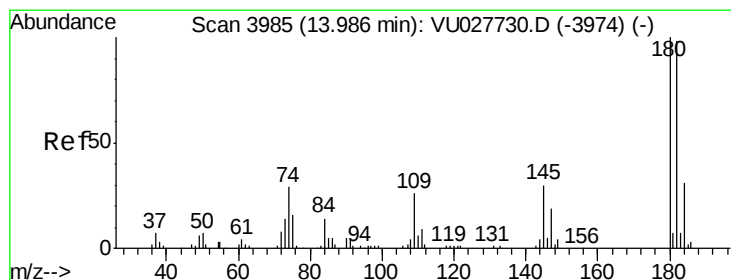
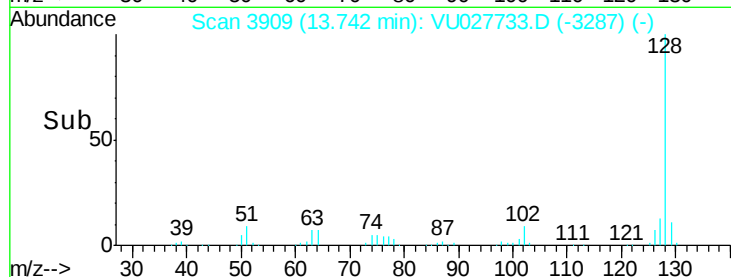
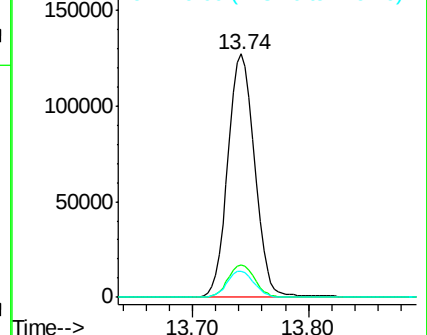
129 10.8 8.7 13.1



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: 55.107 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU027733.D

Acq: 22 Oct 2018 10:49

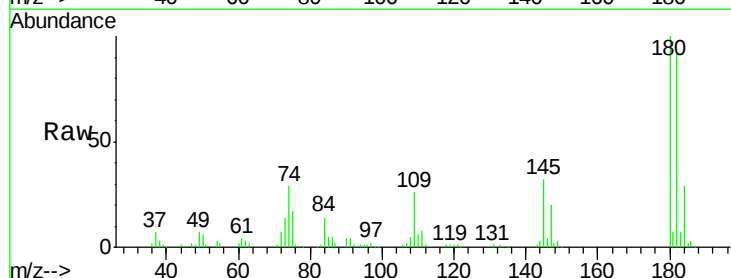
Tgt Ion:180 Resp: 67985

Ion Ratio Lower Upper

180 100

182 95.0 77.8 116.6

145 31.0 25.0 37.4



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

