

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101818\
 Data File : VU027690.D
 Acq On : 18 Oct 2018 11:10
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB45

Quant Time: Oct 19 08:07:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 06:41:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	91827	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	85033	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	42875	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	33682	4.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.40%
7) Chloroethane-d5	1.68	69	25116	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.28	63	60716	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.60%
20) 2-Butanone-d5	4.22	46	98231	47.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.68%
24) Chloroform-d	4.65	84	54603	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.31	65	28394	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
32) Benzene-d6	5.34	84	109998	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.33	67	38316	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.57	98	104323	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	7.85	79	16300	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.32	63	81951	46.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.82%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	27602	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	37589	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	35989	4.802	ug/L 100
3) Chloromethane	1.33	50	42694	4.784	ug/L 97
5) Vinyl chloride	1.40	62	43622	4.868	ug/L 100
6) Bromomethane	1.63	94	24801	5.160	ug/L 99
8) Chloroethane	1.70	64	24890	4.819	ug/L 99
9) Trichlorofluoromethane	1.89	101	51596	4.988	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	30624	4.906	ug/L 98
12) 1,1-Dichloroethene	2.29	96	28999	4.666	ug/L 91
13) Acetone	2.37	43	68949	51.963	ug/L 98
14) Carbon disulfide	2.48	76	103482	4.808	ug/L 100
15) Methyl Acetate	2.63	43	16694	4.712	ug/L 100
16) Methylene chloride	2.70	84	34382	5.072	ug/L 96
17) Methyl tert-butyl Ether	3.01	73	86375	5.028	ug/L 99
18) trans-1,2-Dichloroethene	2.98	96	31967	4.839	ug/L 93
19) 1,1-Dichloroethane	3.45	63	63779	4.851	ug/L 98
21) 2-Butanone	4.31	43	123831	53.710	ug/L 98
22) cis-1,2-Dichloroethene	4.23	96	37067	5.069	ug/L # 97

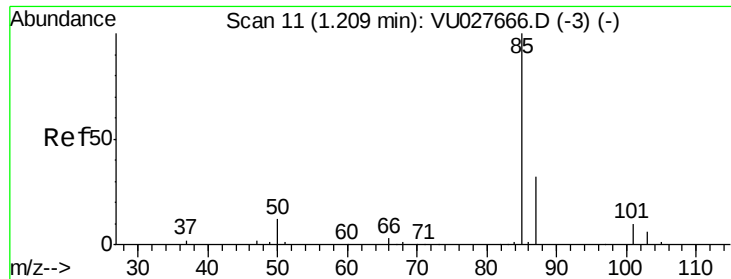
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101818\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	15167	4.606	ug/L	94
25) Chloroform	4.68	83	62432	4.920	ug/L	100
27) 1,2-Dichloroethane	5.41	62	41120	5.119	ug/L	99
29) 1,1,1-Trichloroethane	4.92	97	53991	5.179	ug/L	98
30) Cyclohexane	4.99	56	68061	5.195	ug/L	98
31) Carbon tetrachloride	5.13	117	48419	5.128	ug/L	97
33) Benzene	5.39	78	143335	5.151	ug/L	100
34) Trichloroethene	6.19	95	36905	5.124	ug/L	100
35) Methylcyclohexane	6.41	83	64223	5.174	ug/L	99
37) 1,2-Dichloropropane	6.44	63	40732	5.098	ug/L	100
38) Bromodichloromethane	6.76	83	47436	5.109	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	60192	5.180	ug/L	100
40) 4-Methyl-2-pentanone	7.47	43	283580	52.576	ug/L	100
42) Toluene	7.64	91	151629	5.072	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	49476	5.159	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	25658	4.993	ug/L	96
47) Tetrachloroethene	8.23	164	28808	5.010	ug/L	97
48) 2-Hexanone	8.37	43	208402	53.929	ug/L	99
49) Dibromochloromethane	8.48	129	31814	4.982	ug/L	99
50) 1,2-Dibromoethane	8.59	107	24380	5.063	ug/L	95
51) Chlorobenzene	9.12	112	92064	5.018	ug/L	97
52) Ethylbenzene	9.25	91	168165	5.075	ug/L	100
53) m,p-xylene	9.38	106	62597	5.076	ug/L	99
54) o-xylene	9.78	106	60683	5.013	ug/L	98
55) Styrene	9.79	104	103937	5.106	ug/L	97
56) Isopropylbenzene	10.17	105	162842	5.059	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	32468	4.830	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	24229	5.276	ug/L	95
61) Bromoform	9.96	173	19786	5.150	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	72333	5.081	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	72419	5.073	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	69118	5.055	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	5967	5.300	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	57163	4.947	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	48946	4.914	ug/L	99
69) Naphthalene	13.74	128	84605	5.081	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	44898	4.826	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.802 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027690.D

Acq: 18 Oct 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

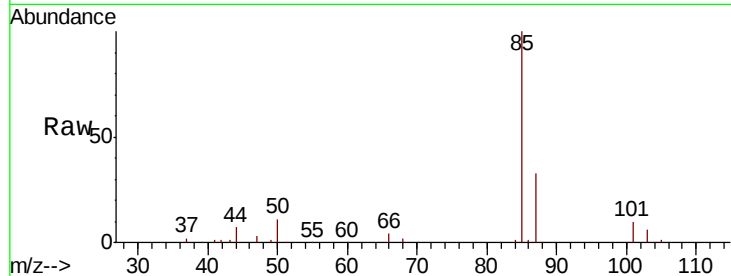
BFB45

Tgt Ion: 85 Resp: 35989

Ion Ratio Lower Upper

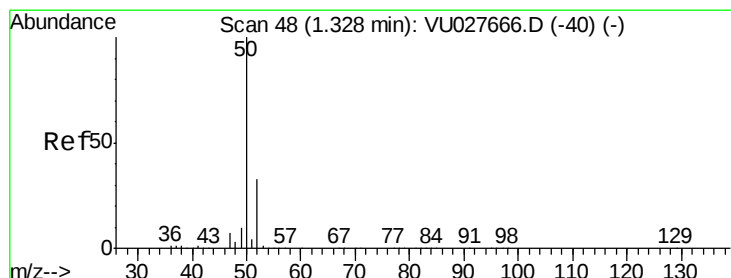
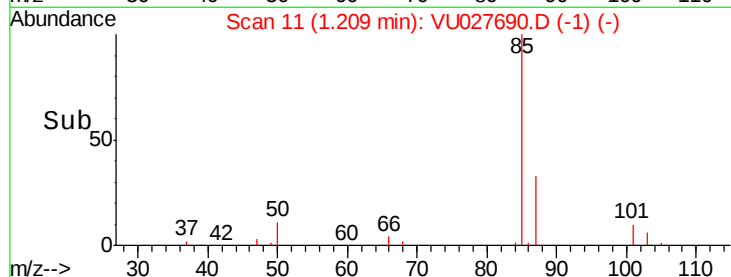
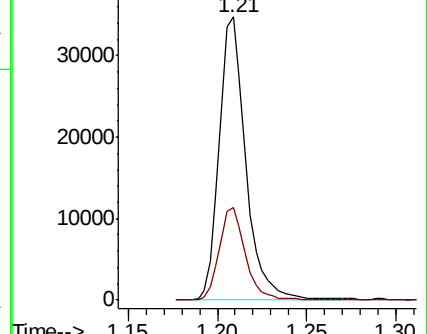
85 100

87 31.9 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.784 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU027690.D

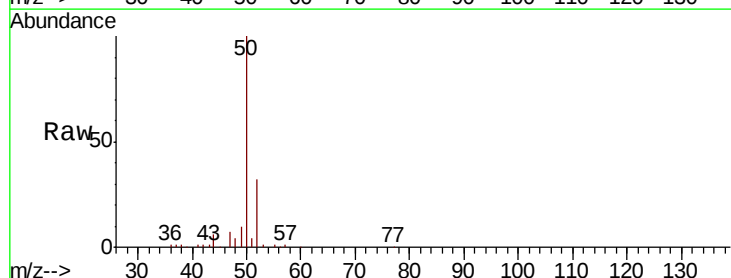
Acq: 18 Oct 2018 11:10

Tgt Ion: 50 Resp: 42694

Ion Ratio Lower Upper

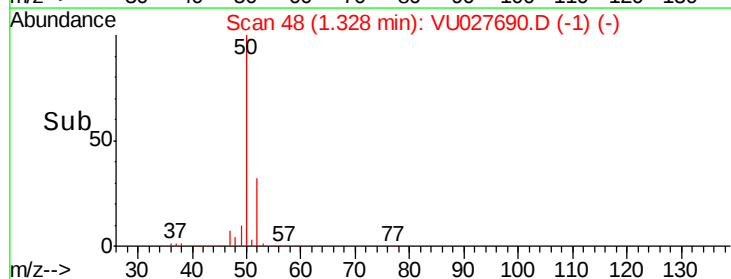
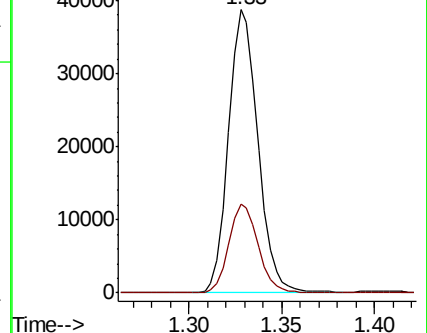
50 100

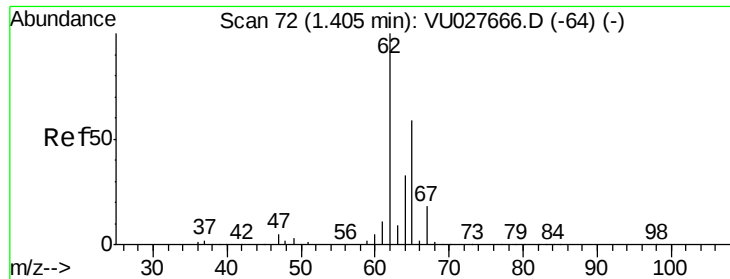
52 31.6 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.868 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027690.D

Acq: 18 Oct 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

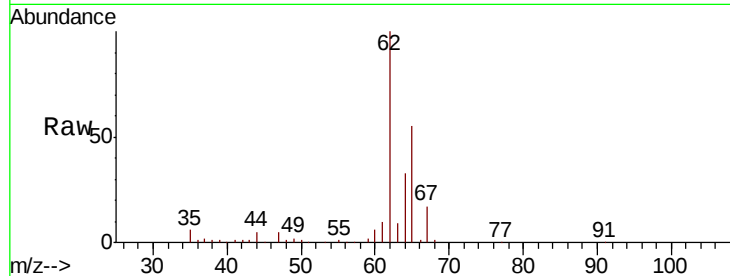
BFB45

Tgt Ion: 62 Resp: 43622

Ion Ratio Lower Upper

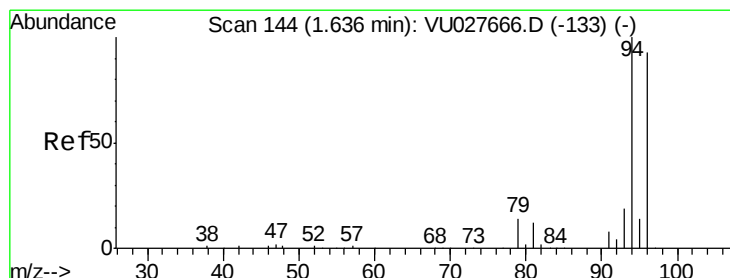
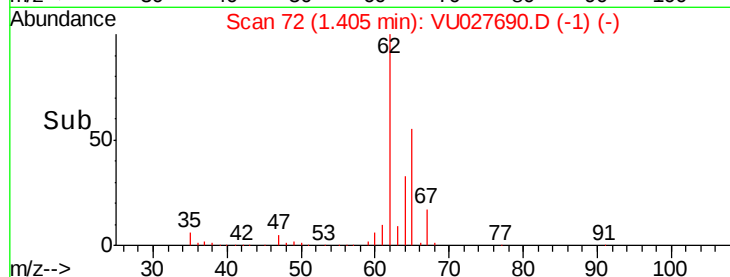
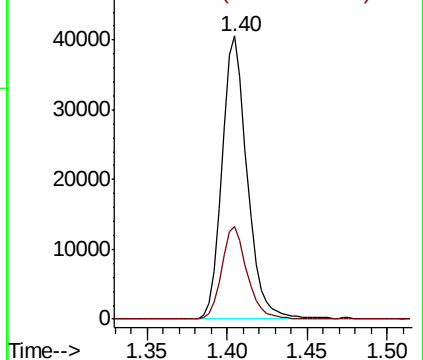
62 100

64 32.8 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.160 ug/L

RT: 1.63 min Scan# 143

Delta R.T. -0.00 min

Lab File: VU027690.D

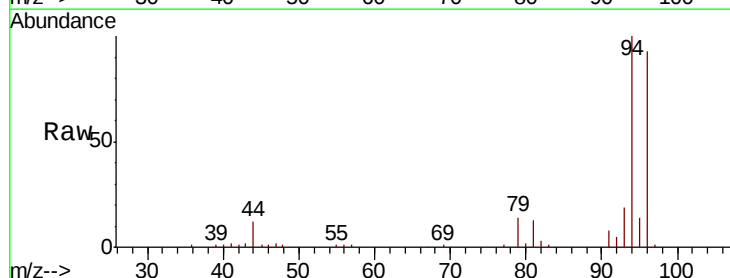
Acq: 18 Oct 2018 11:10

Tgt Ion: 94 Resp: 24801

Ion Ratio Lower Upper

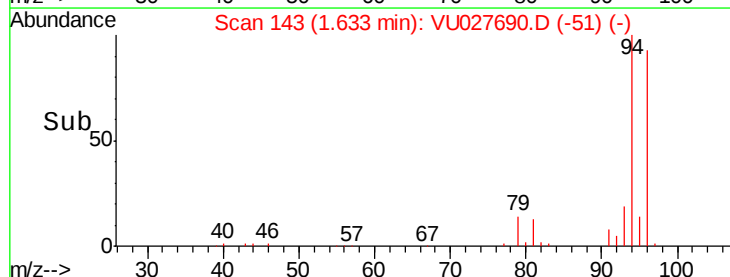
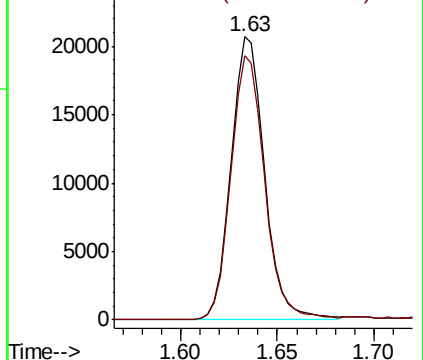
94 100

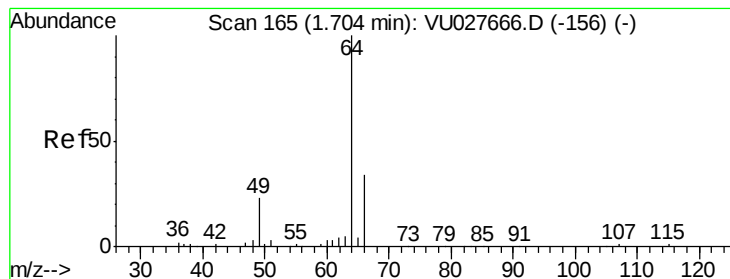
96 93.4 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.819 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027690.D

Acq: 18 Oct 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

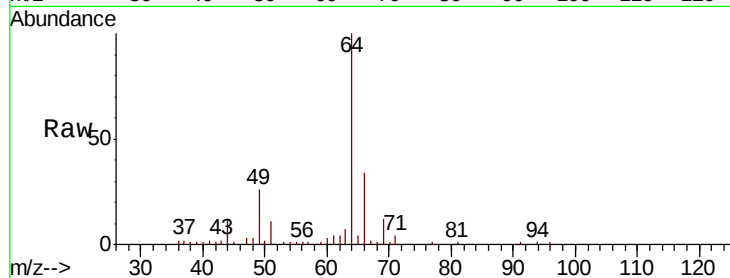
BFB45

Tgt Ion: 64 Resp: 24890

Ion Ratio Lower Upper

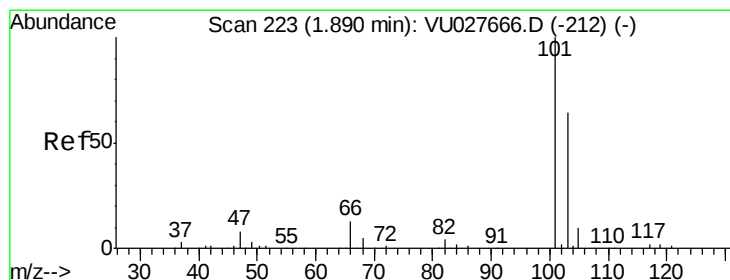
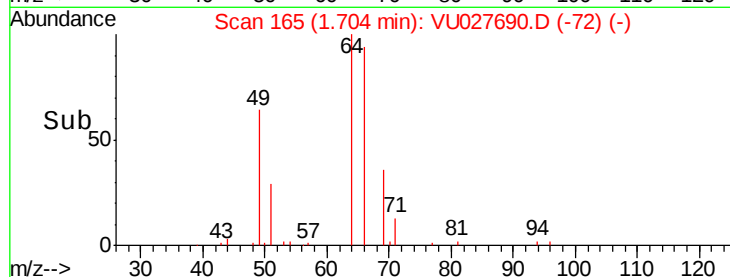
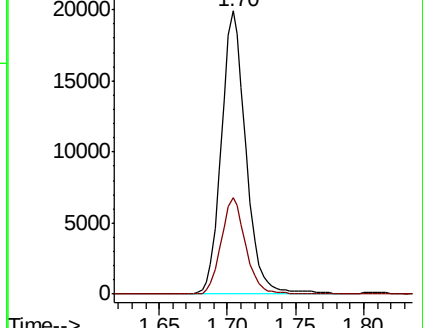
64 100

66 34.0 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VU027666.D (-156) (-)

Ion 66.05 (65.75 to 66.75): VU027690.D (-72) (-)



#9

Trichlorofluoromethane

Concen: 4.988 ug/L

RT: 1.89 min Scan# 223

Delta R.T. 0.00 min

Lab File: VU027690.D

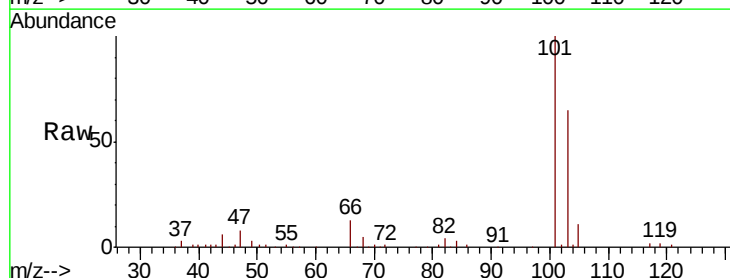
Acq: 18 Oct 2018 11:10

Tgt Ion: 101 Resp: 51596

Ion Ratio Lower Upper

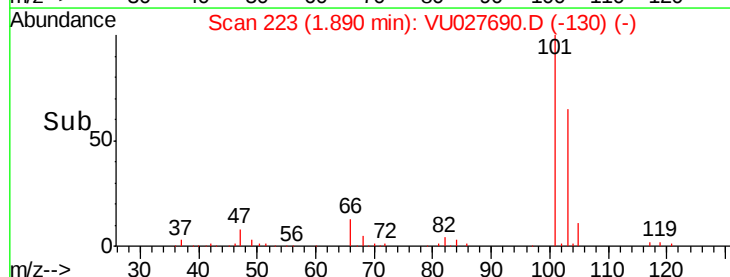
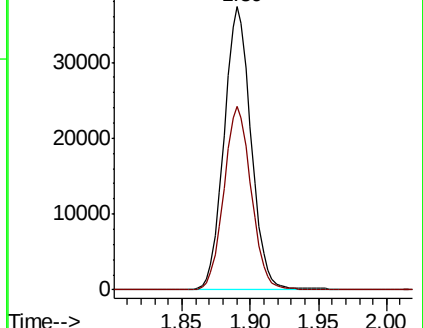
101 100

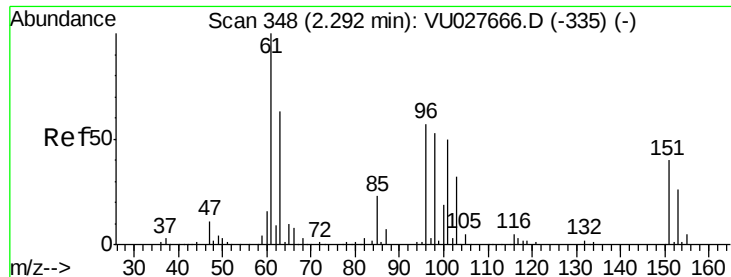
103 65.3 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU027666.D (-212) (-)

Ion 103.00 (102.70 to 103.70): VU027690.D (-130) (-)





#10

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

Concen: 4.906 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU027690.D

Acq: 18 Oct 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

BFB45

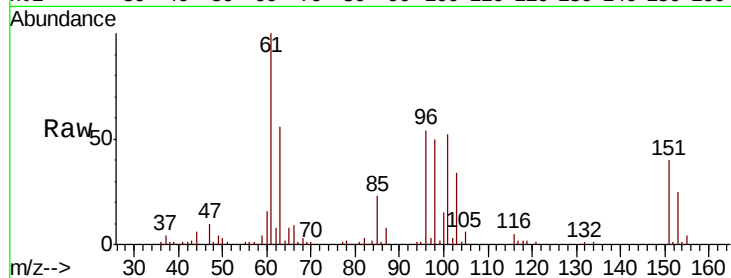
Tgt Ion: 101 Resp: 30624

Ion Ratio Lower Upper

101 100

85 44.6 35.6 53.4

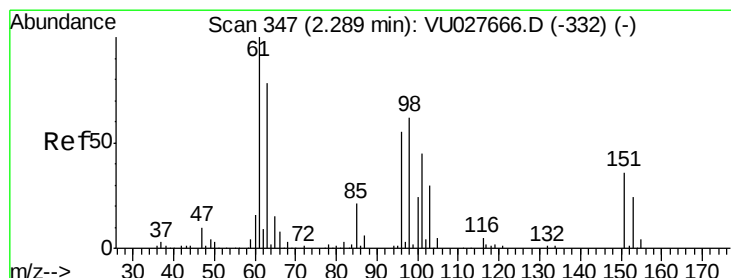
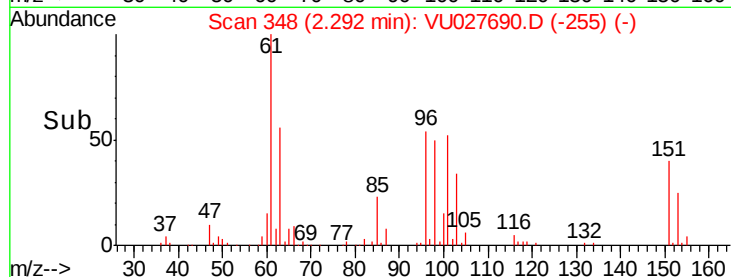
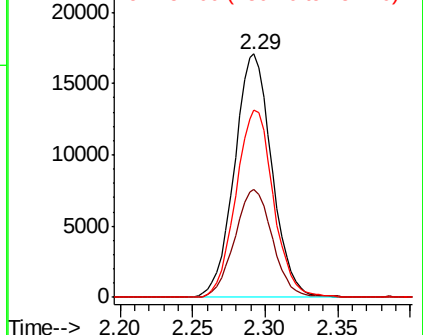
151 77.3 63.8 95.6



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: 4.666 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027690.D

Acq: 18 Oct 2018 11:10

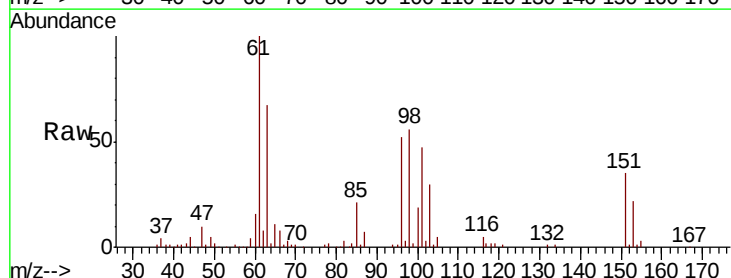
Tgt Ion: 96 Resp: 28999

Ion Ratio Lower Upper

96 100

61 190.5 125.6 233.2

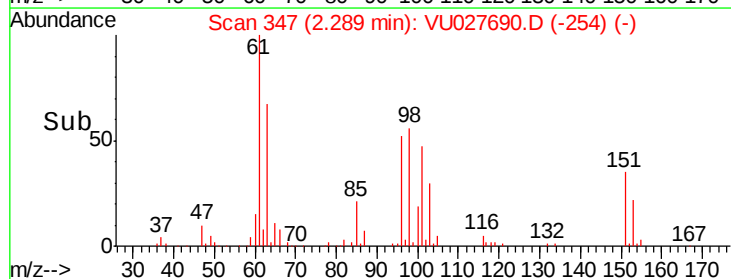
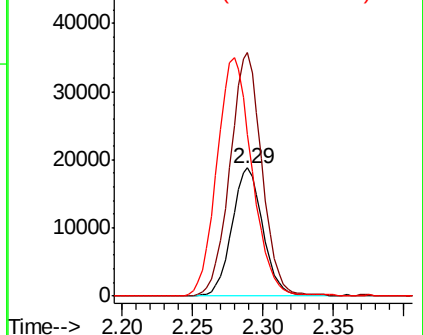
63 126.9 97.6 181.2

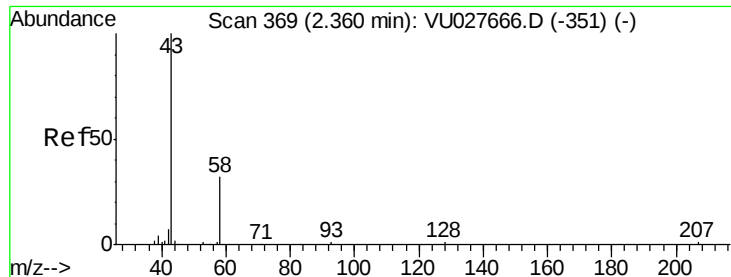


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.963 ug/L

RT: 2.37 min Scan# 372

Delta R.T. 0.01 min

Lab File: VU027690.D

Acq: 18 Oct 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

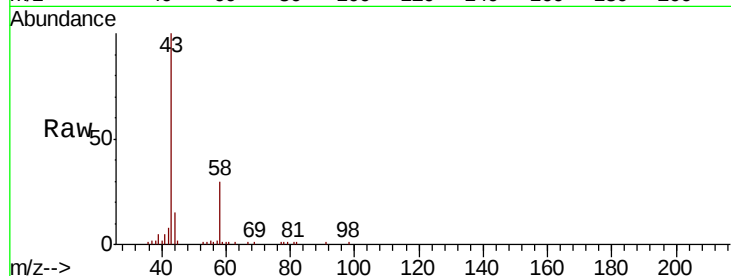
BFB45

Tgt Ion: 43 Resp: 68949

Ion Ratio Lower Upper

43 100

58 32.3 0.0 66.4



Abundance Ion 43.05 (42.75 to 43.75): VU027666.D (-351) (-)

Ion 58.05 (57.75 to 58.75): VU027666.D (-351) (-)

20000

15000

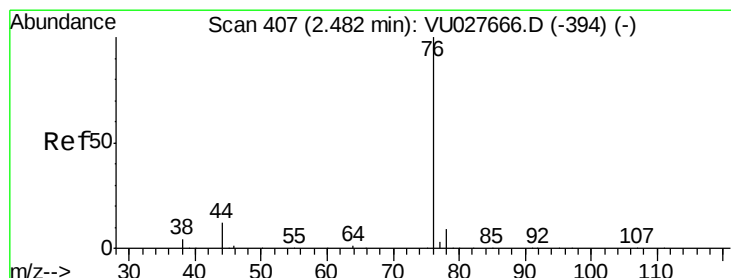
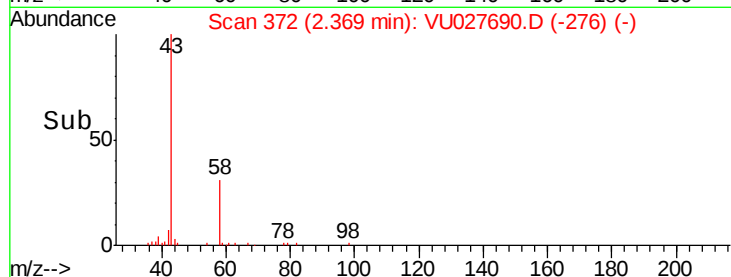
10000

5000

0

2.30 2.40 2.50

Time-->



#14

Carbon disulfide

Concen: 4.808 ug/L

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027690.D

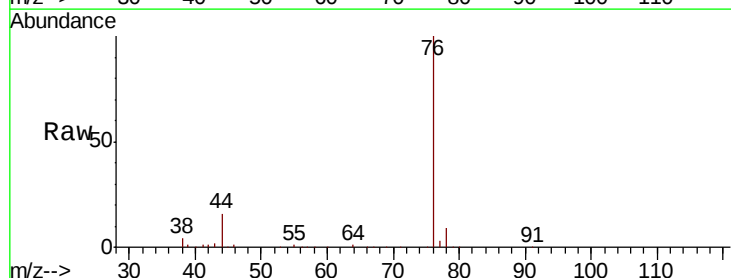
Acq: 18 Oct 2018 11:10

Tgt Ion: 76 Resp: 103482

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU027666.D (-394) (-)

Ion 78.00 (77.70 to 78.70): VU027666.D (-394) (-)

60000

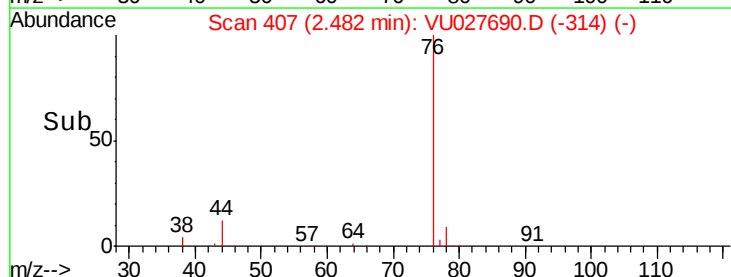
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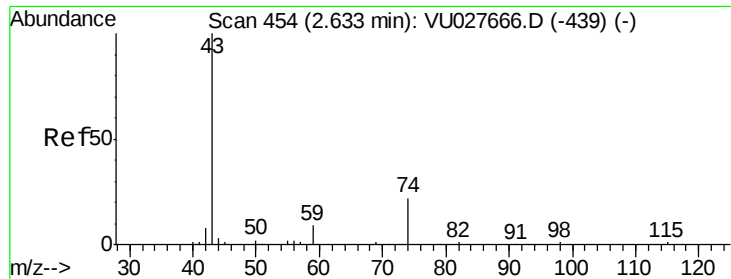
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2.40 2.45 2.50 2.55

Time-->

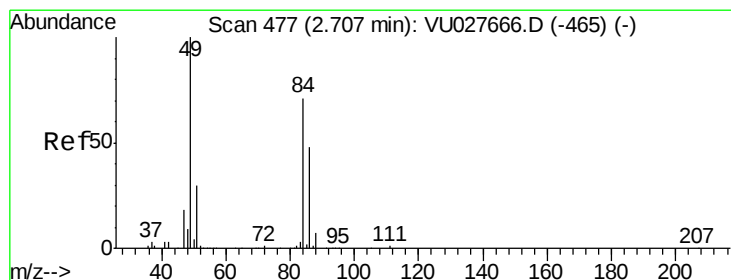
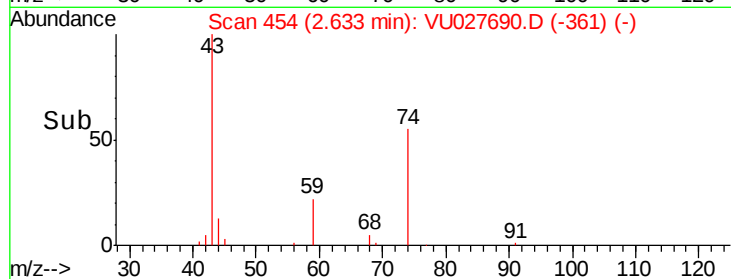
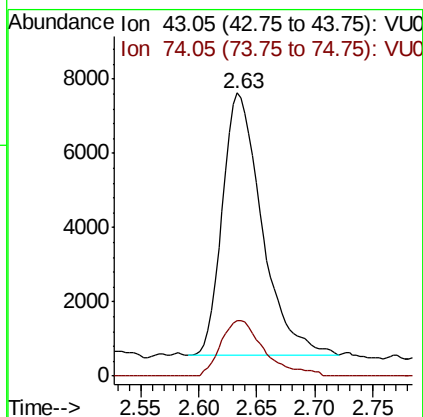
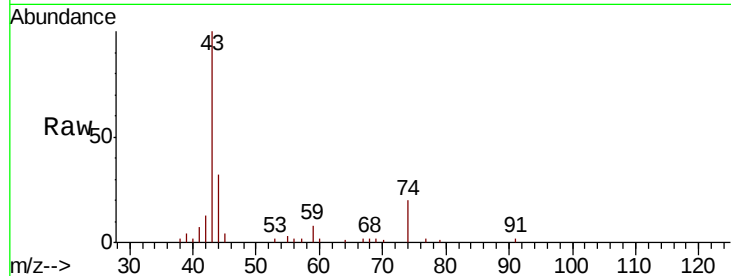




#15
Methyl Acetate
Concen: 4.712 ug/L
RT: 2.63 min Scan# 454
Delta R.T. 0.00 min
Lab File: VU027690.D
Acq: 18 Oct 2018 11:10

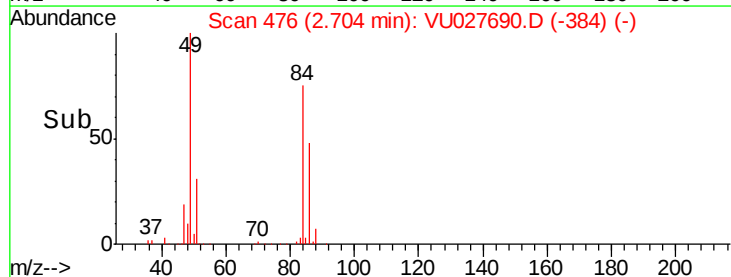
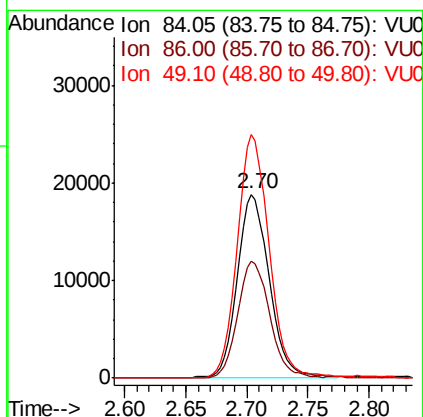
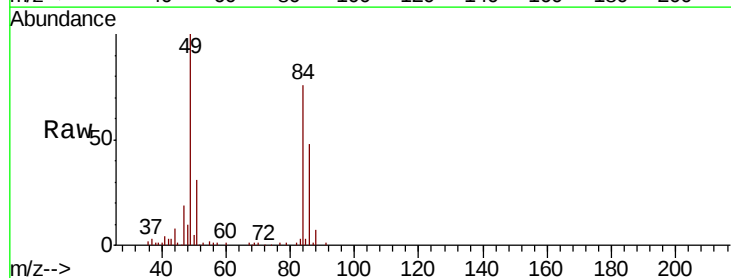
Instrument :
MSVOA_U
ClientSampleId :
BFB45

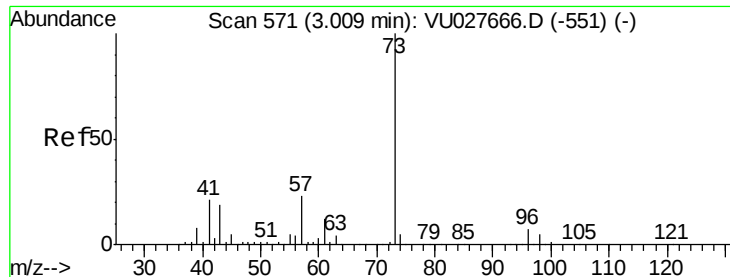
Tgt Ion: 43 Resp: 16694
Ion Ratio Lower Upper
43 100
74 23.4 18.7 28.1



#16
Methylene chloride
Concen: 5.072 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU027690.D
Acq: 18 Oct 2018 11:10

Tgt Ion: 84 Resp: 34382
Ion Ratio Lower Upper
84 100
86 63.6 46.1 85.7
49 132.4 96.9 179.9



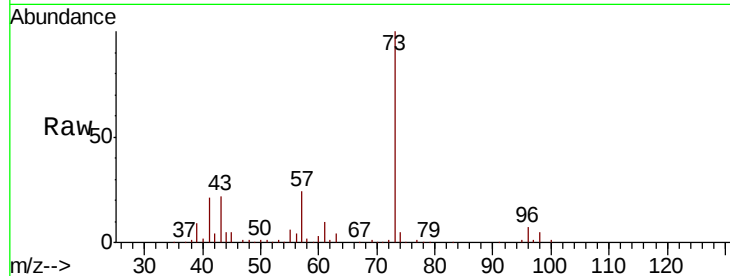


#17

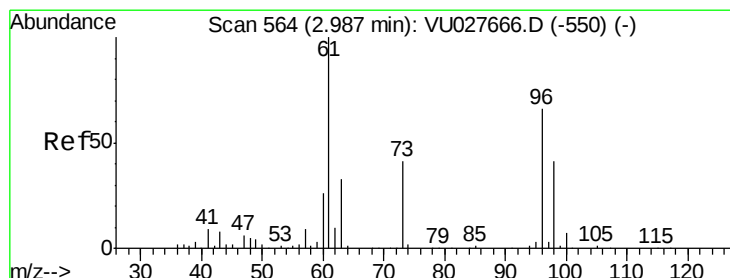
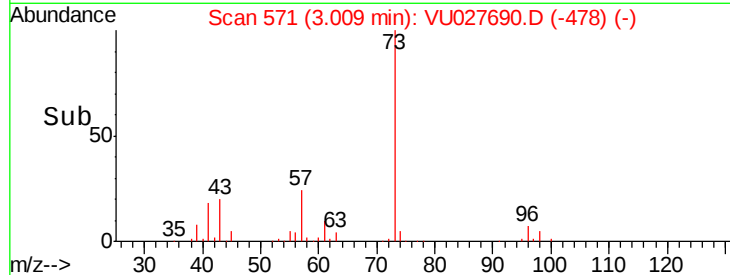
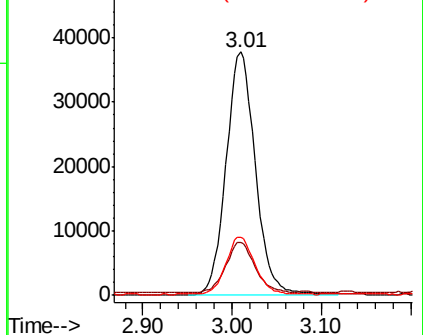
Methyl tert-butyl Ether
 Concen: 5.028 ug/L
 RT: 3.01 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VU027690.D
 Acq: 18 Oct 2018 11:10

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB45

Tgt Ion:	73	Resp:	86375
Ion	Ratio	Lower	Upper
73	100		
43	20.5	15.8	23.8
57	22.8	18.7	28.1



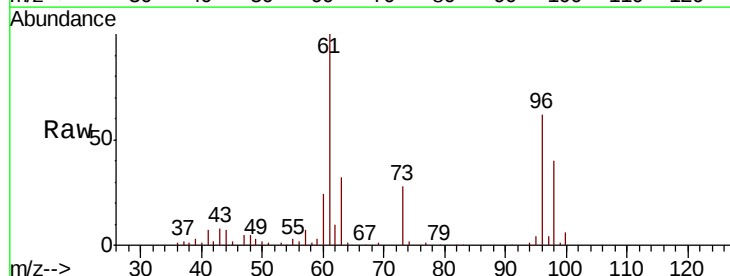
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



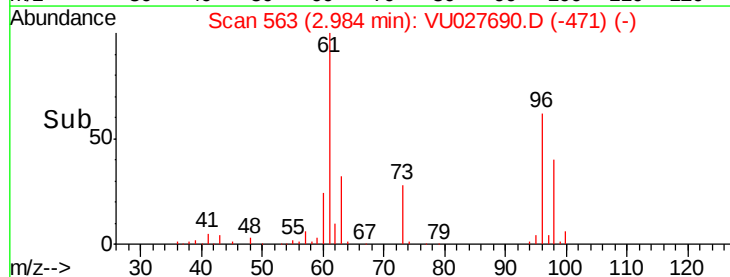
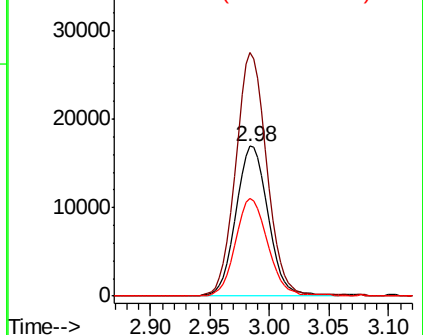
#18

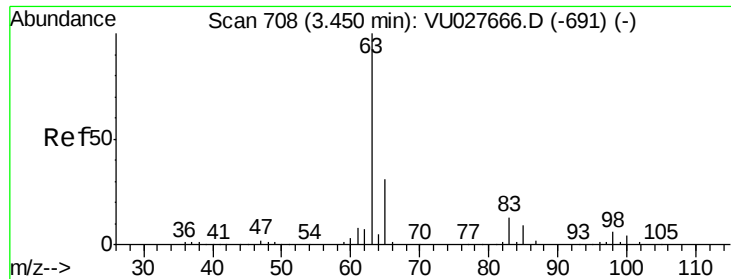
trans-1,2-Dichloroethene
 Concen: 4.839 ug/L
 RT: 2.98 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: VU027690.D
 Acq: 18 Oct 2018 11:10

Tgt Ion:	96	Resp:	31967
Ion	Ratio	Lower	Upper
96	100		
61	162.4	105.8	196.4
98	65.3	43.6	81.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

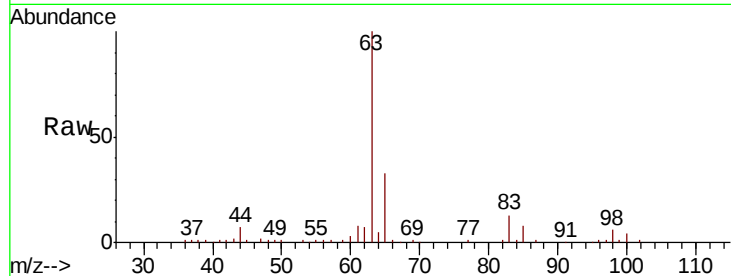




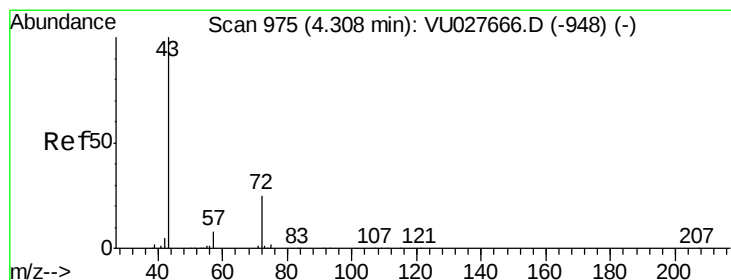
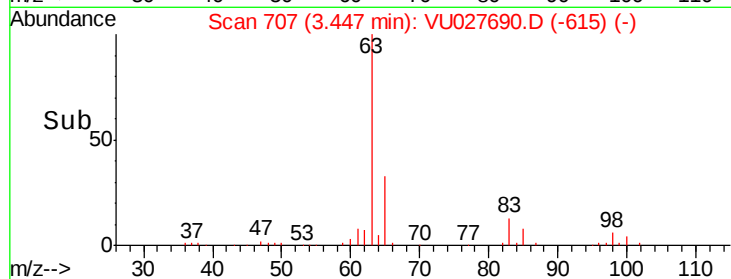
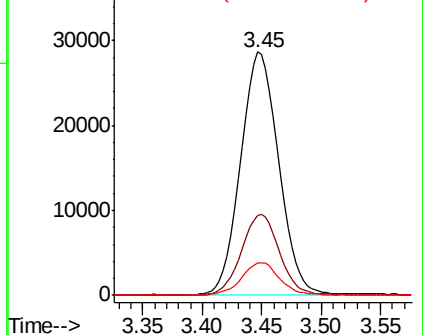
#19
 1,1-Dichloroethane
 Concen: 4.851 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027690.D
 Acq: 18 Oct 2018 11:10

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB45

Tgt Ion: 63 Resp: 63779
 Ion Ratio Lower Upper
 63 100
 65 32.7 22.3 41.3
 83 13.1 9.7 17.9

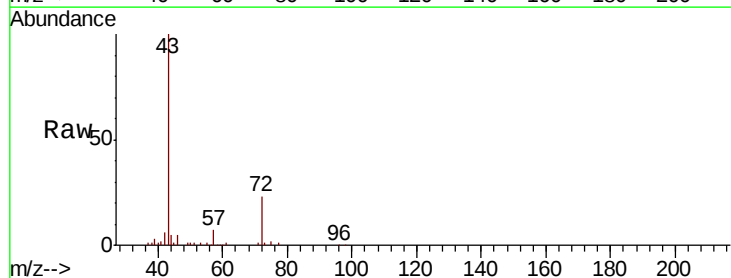


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

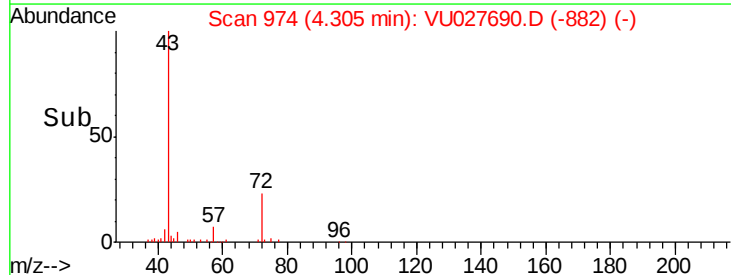
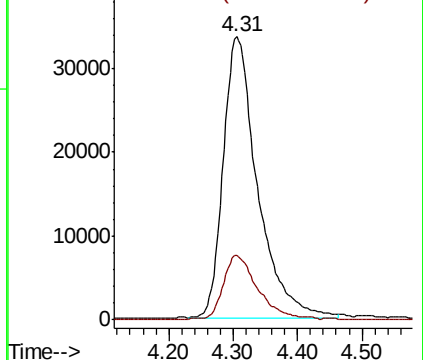


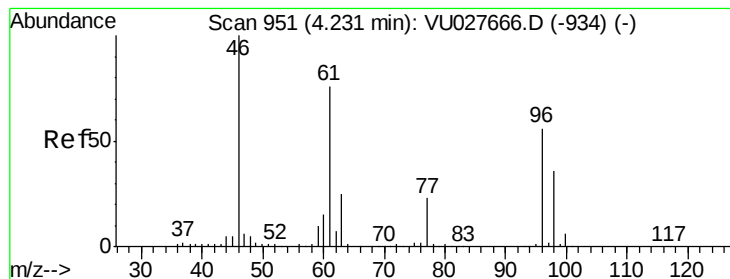
#21
 2-Butanone
 Concen: 53.710 ug/L
 RT: 4.31 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU027690.D
 Acq: 18 Oct 2018 11:10

Tgt Ion: 43 Resp: 123831
 Ion Ratio Lower Upper
 43 100
 72 22.3 11.7 35.1



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



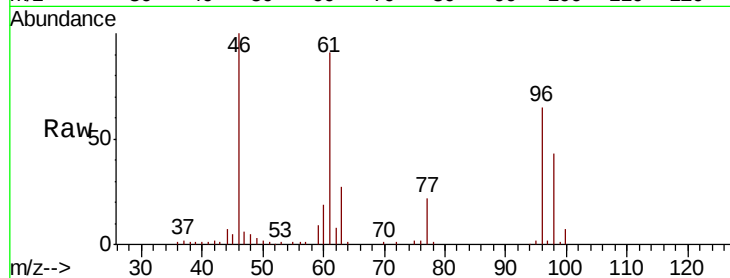


#22

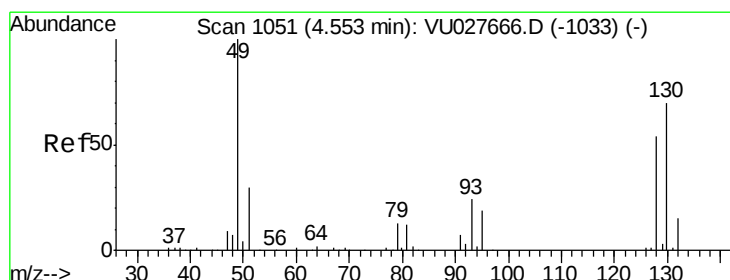
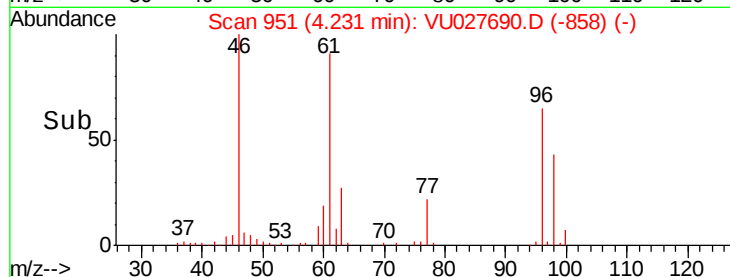
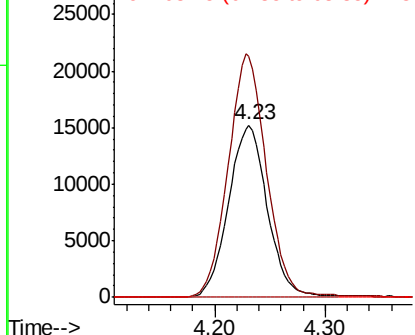
cis-1,2-Dichloroethene
Concen: 5.069 ug/L
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU027690.D
Acq: 18 Oct 2018 11:10

Instrument :
MSVOA_U
ClientSampleId :
BFB45

Tgt Ion: 96 Resp: 37067
Ion Ratio Lower Upper
96 100
61 139.9 95.3 176.9
68 0.0 1.1 2.1#



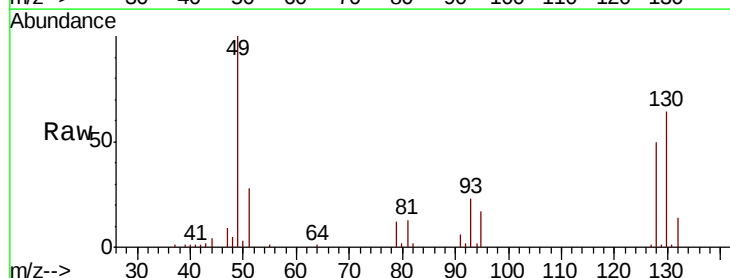
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



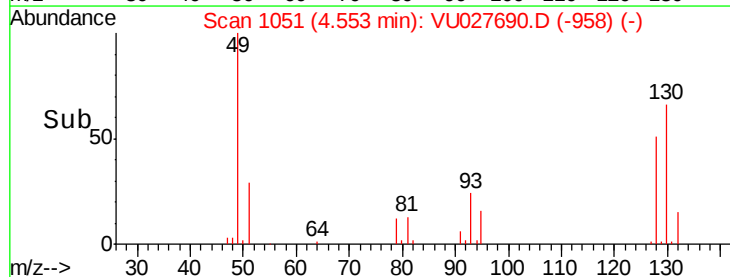
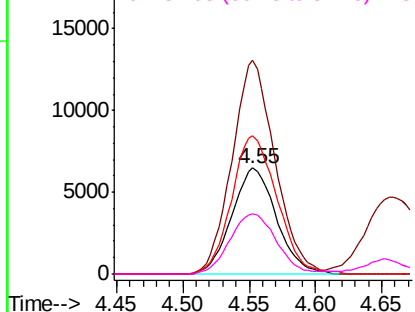
#23

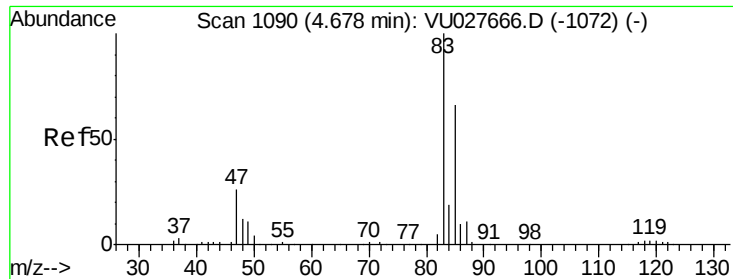
Bromochloromethane
Concen: 4.606 ug/L
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU027690.D
Acq: 18 Oct 2018 11:10

Tgt Ion: 128 Resp: 15167
Ion Ratio Lower Upper
128 100
49 201.9 130.4 242.2
130 130.1 91.9 170.7
51 57.3 46.7 70.1



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

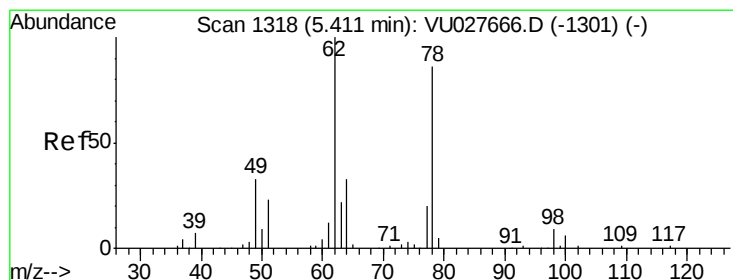
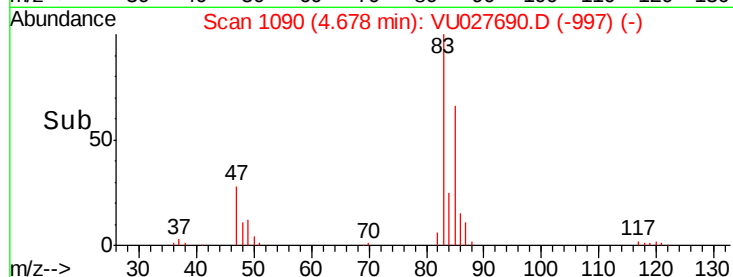
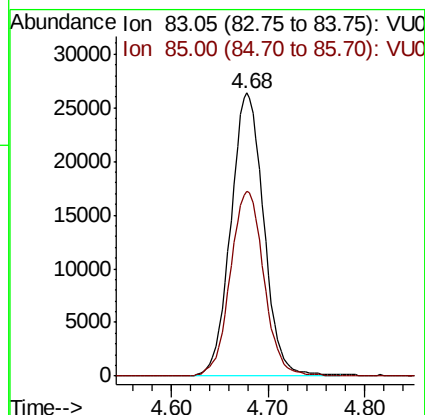
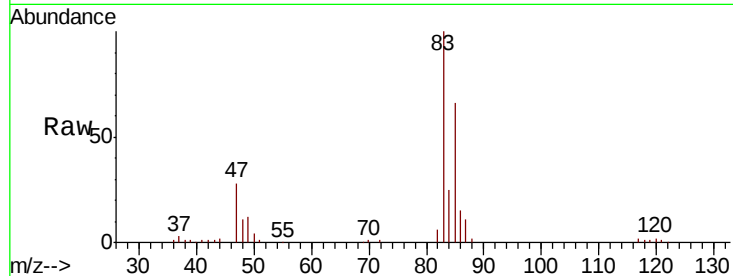




#25
Chloroform
Concen: 4.920 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027690.D
Acq: 18 Oct 2018 11:10

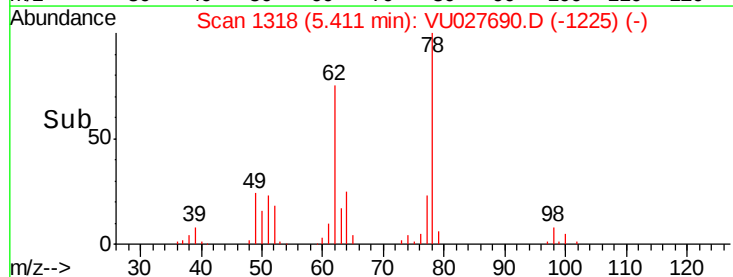
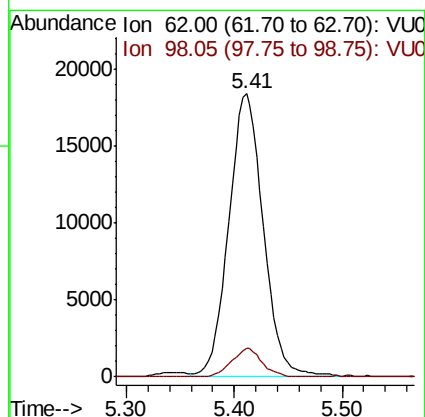
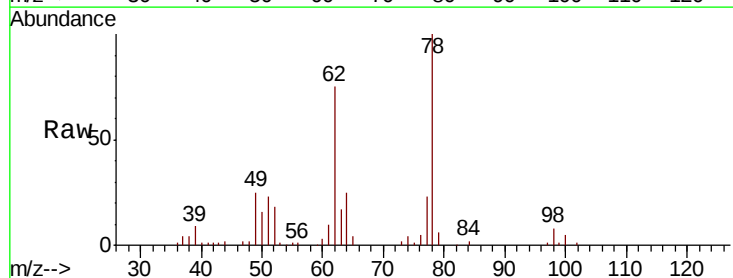
Instrument :
MSVOA_U
ClientSampleId :
BFB45

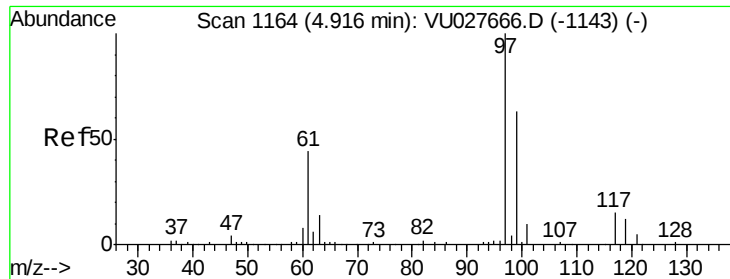
Tgt Ion: 83 Resp: 62432
Ion Ratio Lower Upper
83 100
85 65.5 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.119 ug/L
RT: 5.41 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VU027690.D
Acq: 18 Oct 2018 11:10

Tgt Ion: 62 Resp: 41120
Ion Ratio Lower Upper
62 100
98 10.1 8.4 12.6

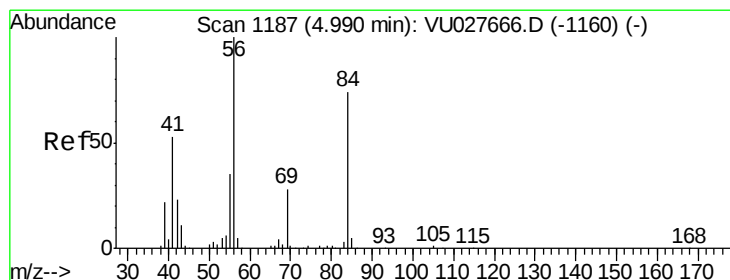
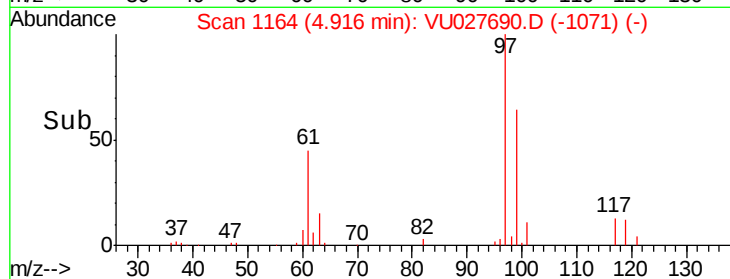
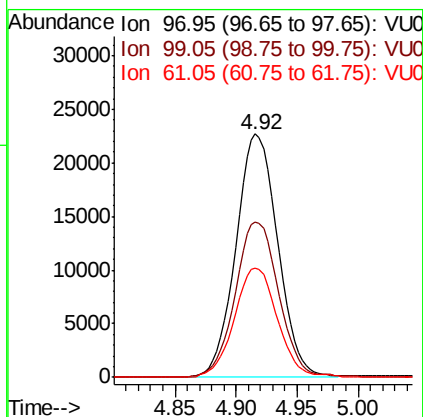
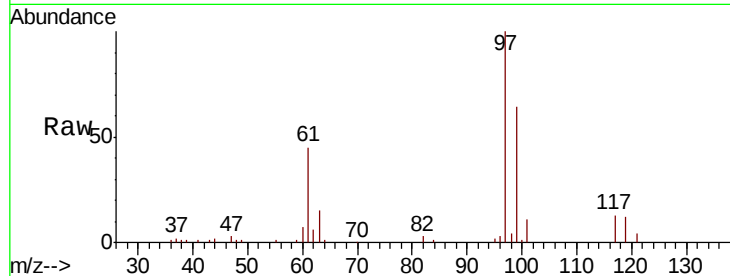




#29
1,1,1-Trichloroethane
Concen: 5.179 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027690.D
Acq: 18 Oct 2018 11:10

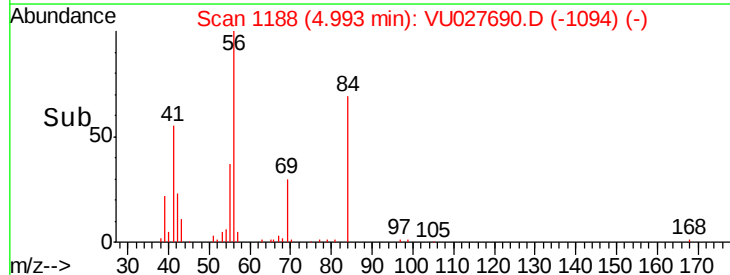
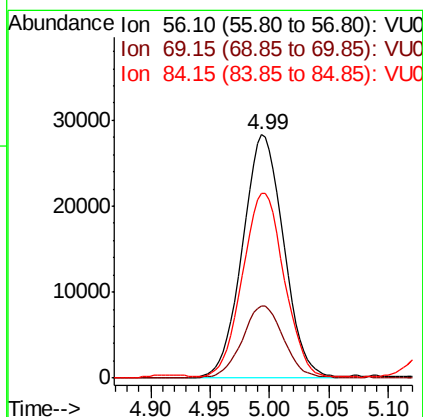
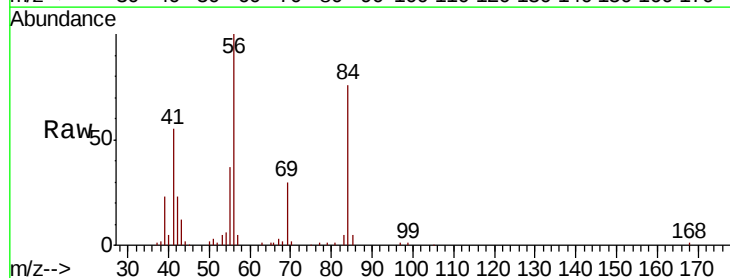
Instrument :
MSVOA_U
ClientSampleId :
BFB45

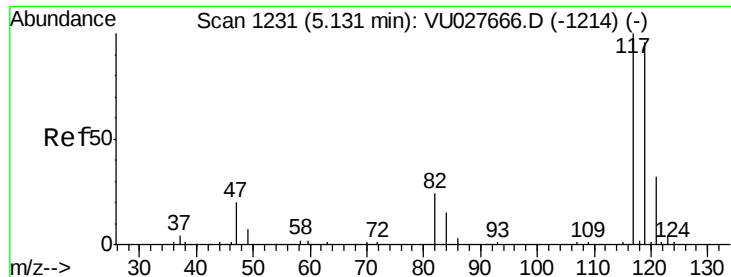
Tgt Ion: 97 Resp: 53991
Ion Ratio Lower Upper
97 100
99 65.9 51.4 77.2
61 46.0 35.7 53.5



#30
Cyclohexane
Concen: 5.195 ug/L
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU027690.D
Acq: 18 Oct 2018 11:10

Tgt Ion: 56 Resp: 68061
Ion Ratio Lower Upper
56 100
69 29.9 23.4 35.2
84 76.0 59.4 89.2





#31

Carbon tetrachloride

Concen: 5.128 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU027690.D

Acq: 18 Oct 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

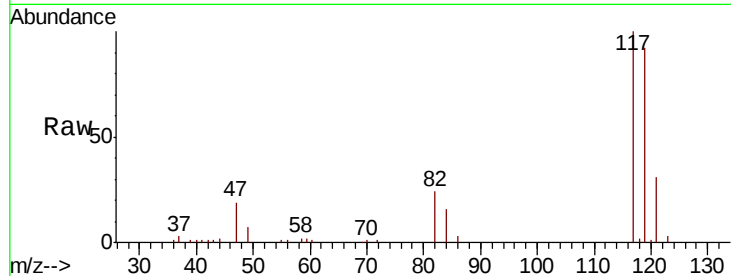
BFB45

Tgt Ion:117 Resp: 48419

Ion Ratio Lower Upper

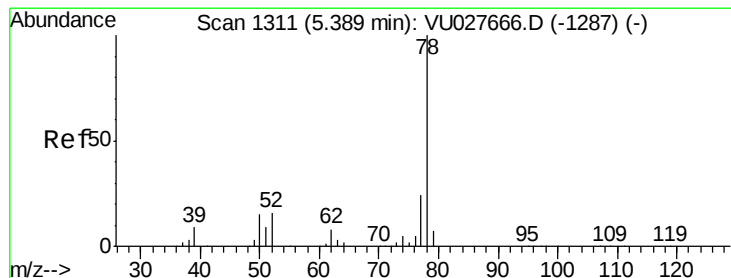
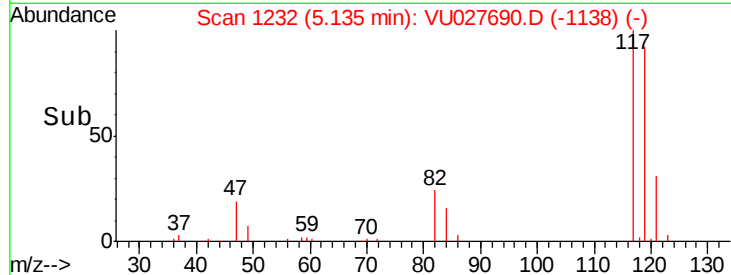
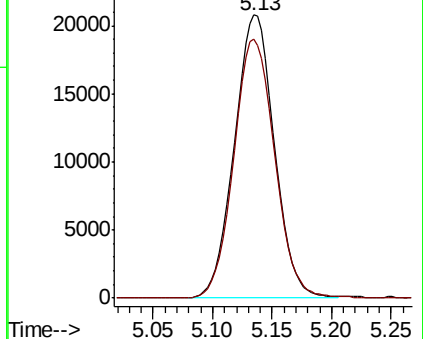
117 100

119 93.8 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.151 ug/L

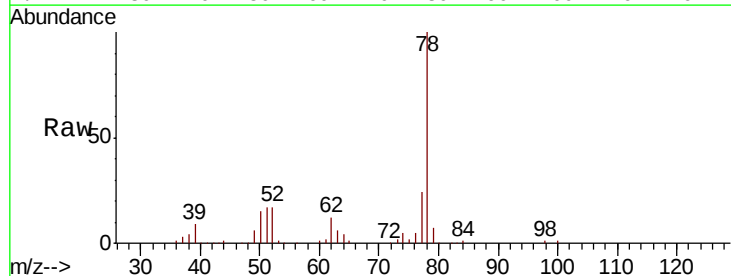
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

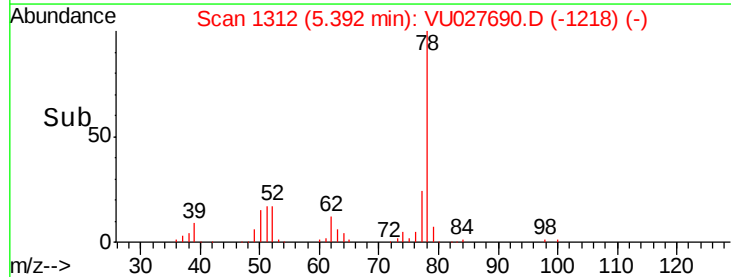
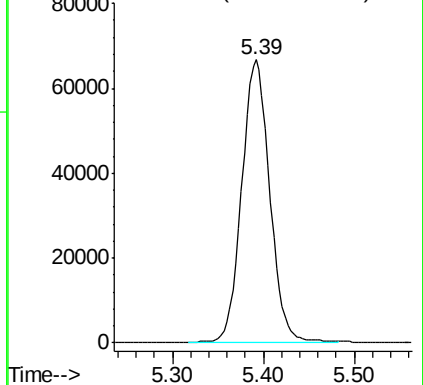
Lab File: VU027690.D

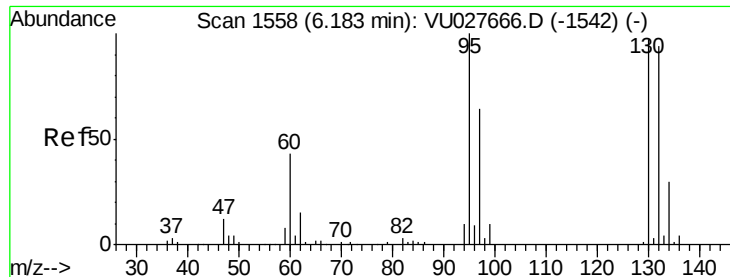
Acq: 18 Oct 2018 11:10

Tgt Ion: 78 Resp: 143335



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.124 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027690.D

Acq: 18 Oct 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

BFB45

Tgt Ion: 95 Resp: 36905

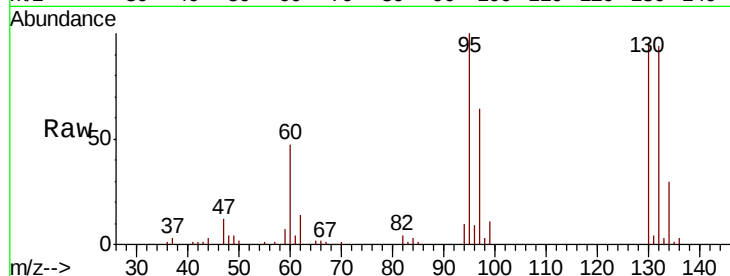
Ion Ratio Lower Upper

95 100

97 64.1 44.7 83.1

132 94.0 65.9 122.5

130 96.3 67.9 126.1

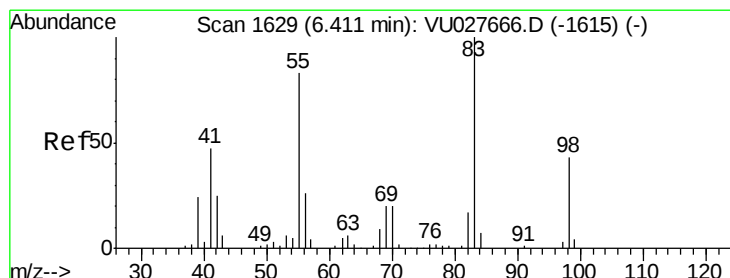
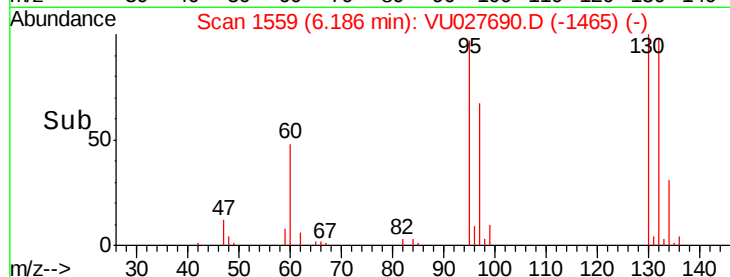
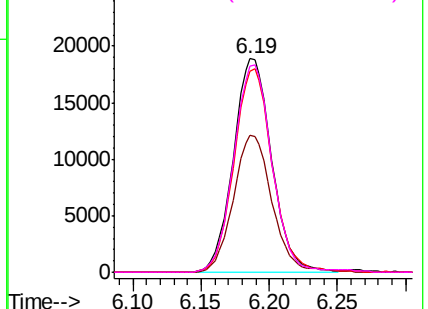


Abundance Ion 95.00 (94.70 to 95.70): VU027666.D (-1542) (-)

Ion 96.95 (96.65 to 97.65): VU027666.D (-1542) (-)

Ion 131.95 (131.65 to 132.65): VU027666.D (-1542) (-)

Ion 129.95 (129.65 to 130.65): VU027666.D (-1542) (-)



#35

Methylcyclohexane

Concen: 5.174 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU027690.D

Acq: 18 Oct 2018 11:10

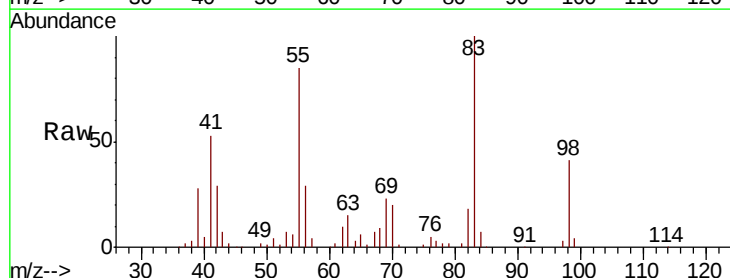
Tgt Ion: 83 Resp: 64223

Ion Ratio Lower Upper

83 100

55 85.5 69.0 103.4

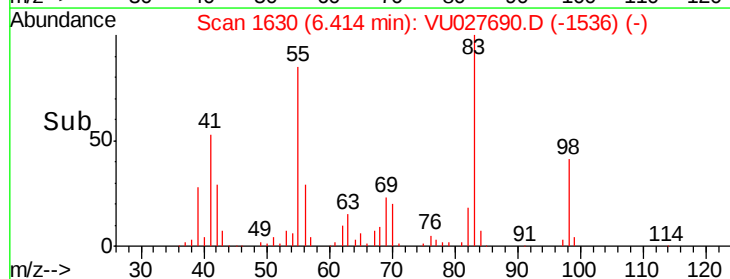
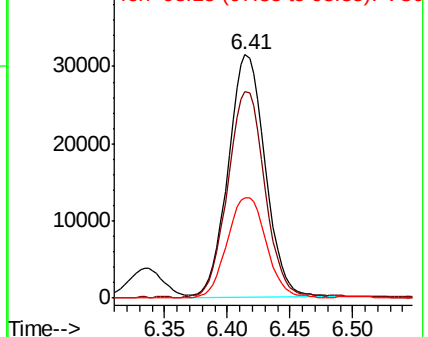
98 44.2 35.4 53.2

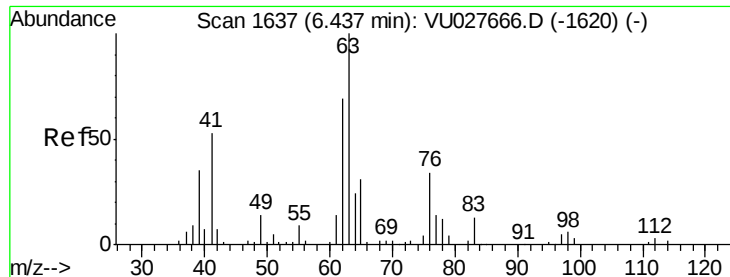


Abundance Ion 83.15 (82.85 to 83.85): VU027666.D (-1615) (-)

Ion 55.10 (54.80 to 55.80): VU027666.D (-1615) (-)

Ion 98.15 (97.85 to 98.85): VU027666.D (-1615) (-)

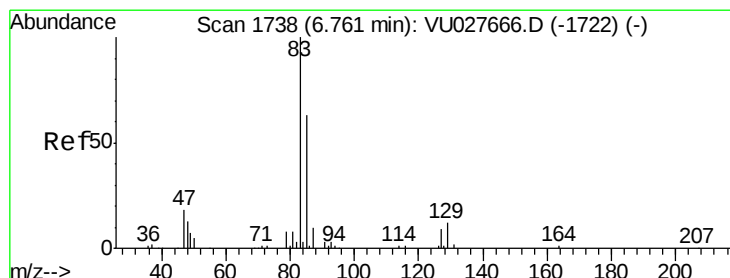
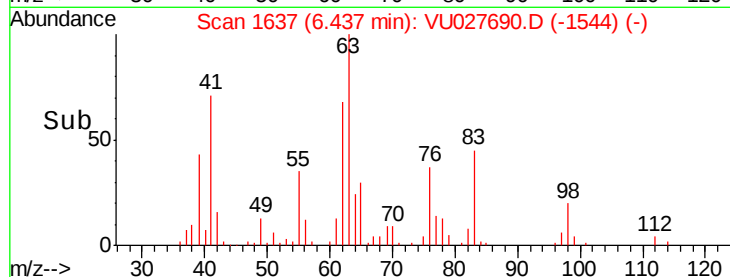
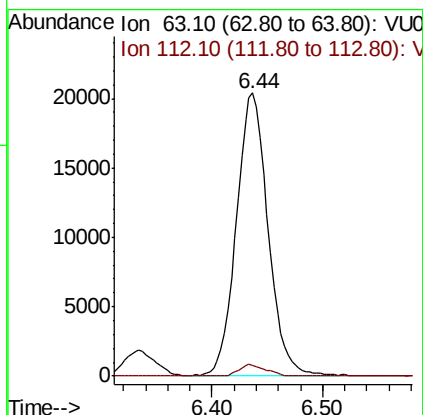
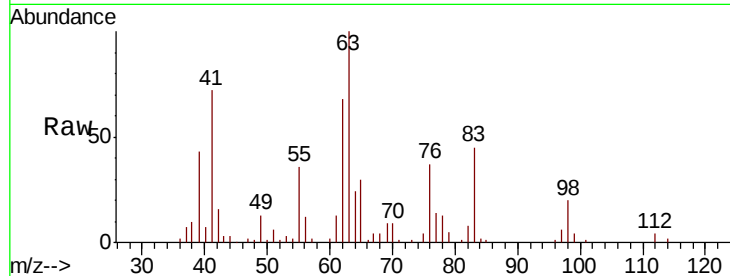




#37
 1,2-Dichloropropane
 Concen: 5.098 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027690.D
 Acq: 18 Oct 2018 11:10

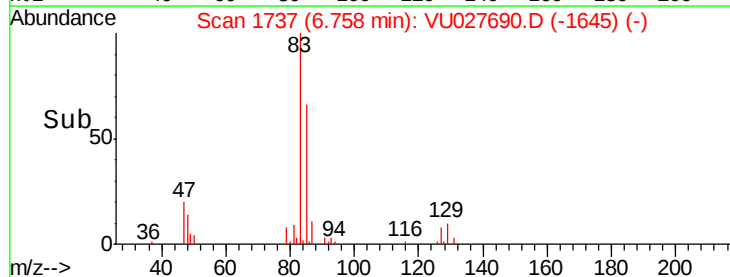
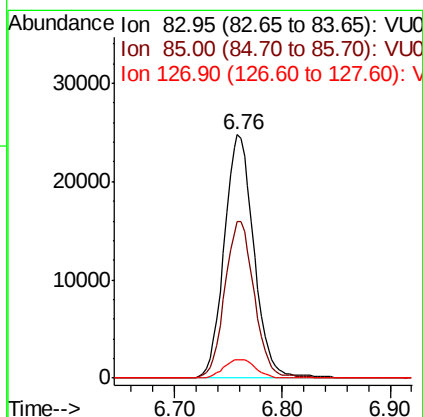
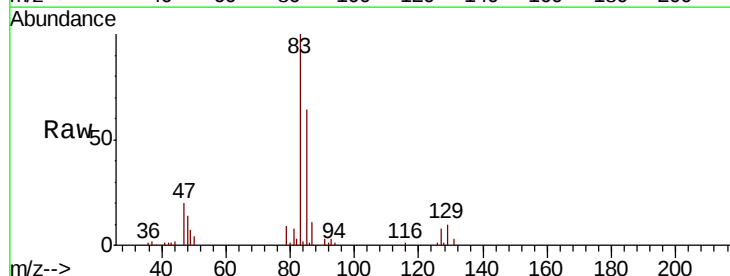
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB45

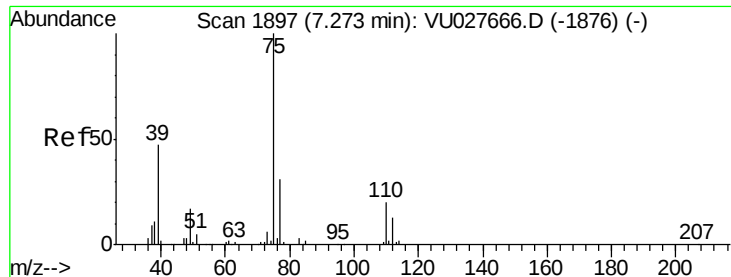
Tgt Ion: 63 Resp: 40732
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.8 4.2



#38
 Bromodichloromethane
 Concen: 5.109 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU027690.D
 Acq: 18 Oct 2018 11:10

Tgt Ion: 83 Resp: 47436
 Ion Ratio Lower Upper
 83 100
 85 64.1 43.7 81.1
 127 7.7 7.0 10.4

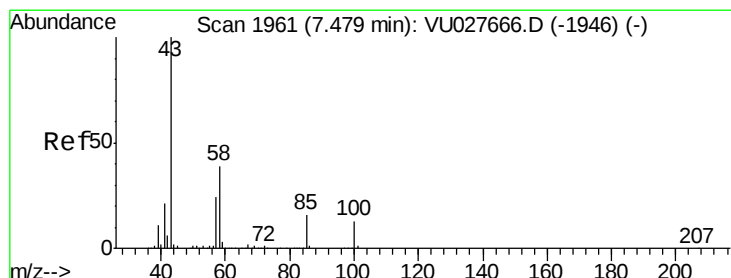
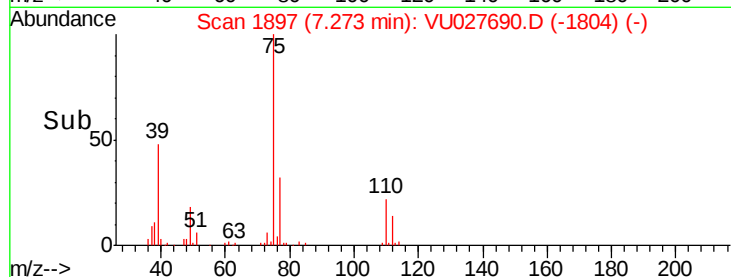
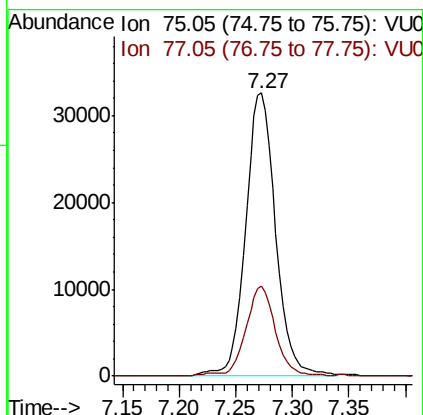
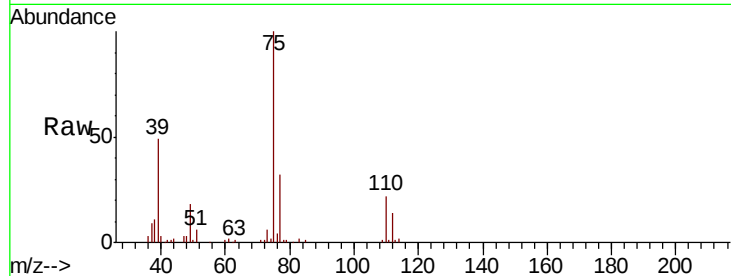




#39
 cis-1,3-Dichloropropene
 Concen: 5.180 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU027690.D
 Acq: 18 Oct 2018 11:10

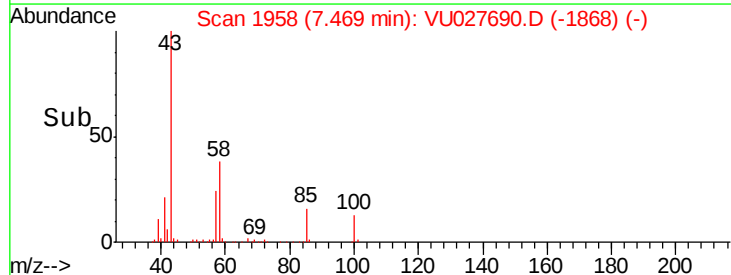
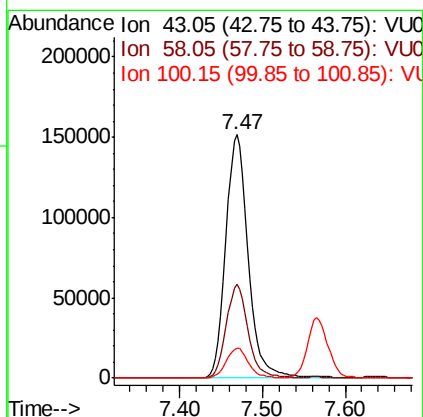
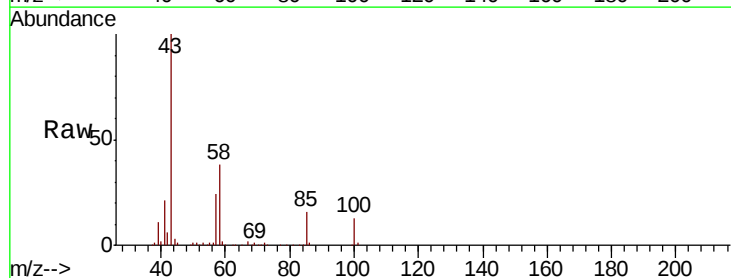
Instrument :
 MSVOA_U
 ClientSampled :
 BFB45

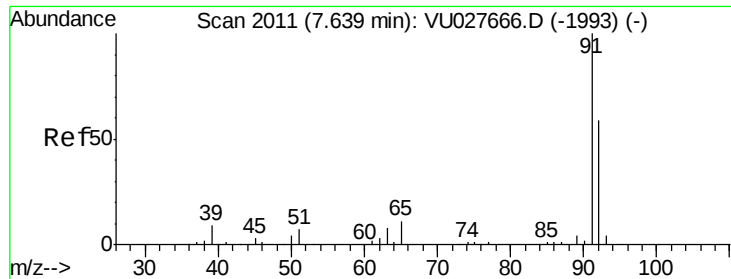
Tgt Ion: 75 Resp: 60192
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 52.576 ug/L
 RT: 7.47 min Scan# 1958
 Delta R.T. -0.01 min
 Lab File: VU027690.D
 Acq: 18 Oct 2018 11:10

Tgt Ion: 43 Resp: 283580
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.4 45.6
 100 12.3 10.2 15.4





#42

Toluene

Concen: 5.072 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027690.D

Acq: 18 Oct 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

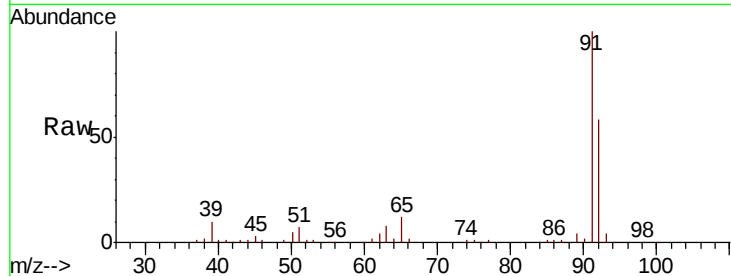
BFB45

Tgt Ion: 91 Resp: 151629

Ion Ratio Lower Upper

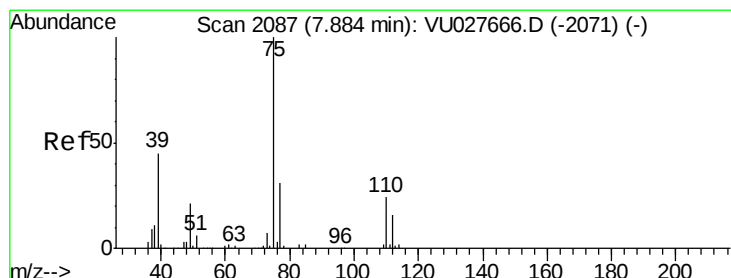
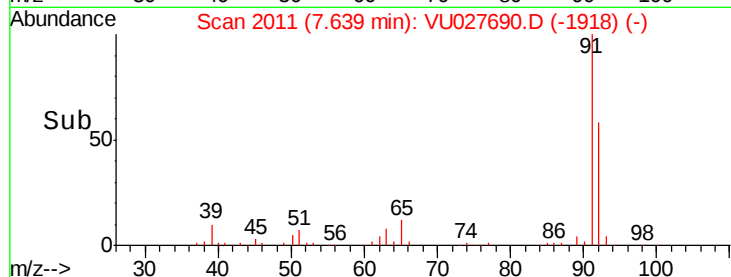
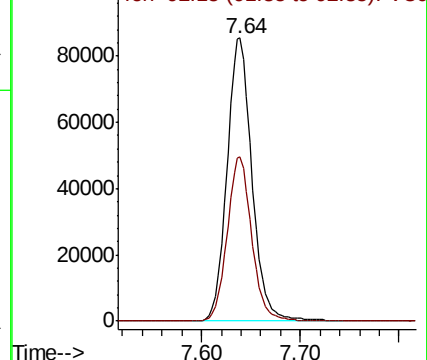
91 100

92 58.0 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.159 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027690.D

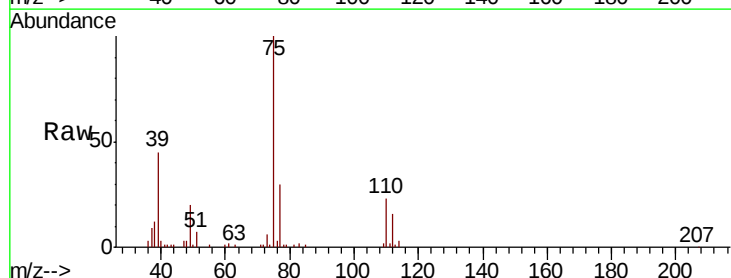
Acq: 18 Oct 2018 11:10

Tgt Ion: 75 Resp: 49476

Ion Ratio Lower Upper

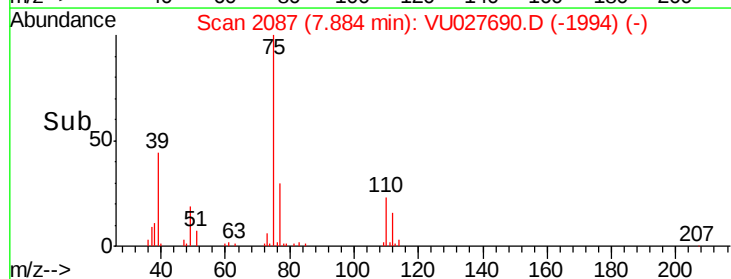
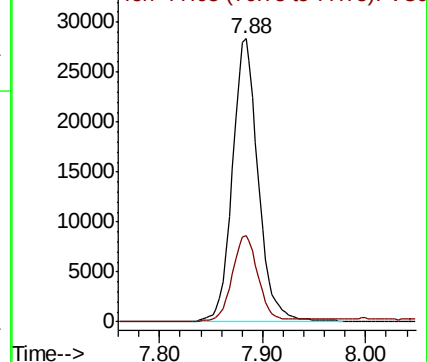
75 100

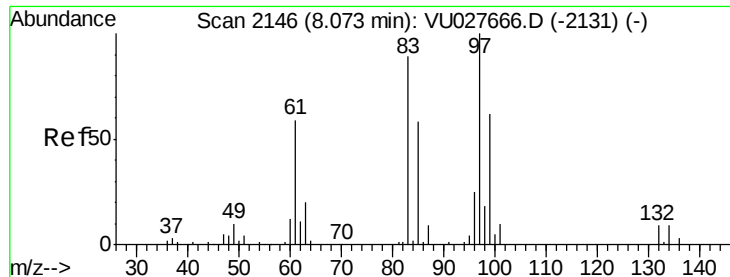
77 30.3 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

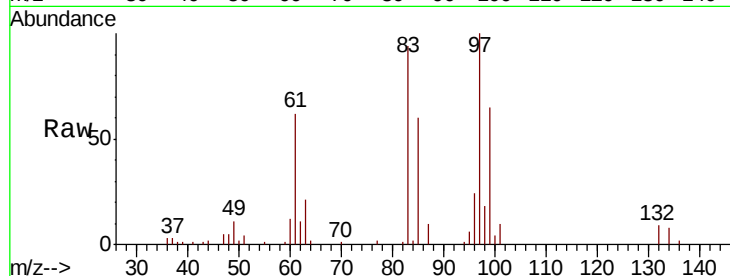




#45
 1,1,2-Trichloroethane
 Concen: 4.993 ug/L
 RT: 8.07 min Scan# 2145
 Delta R.T. -0.00 min
 Lab File: VU027690.D
 Acq: 18 Oct 2018 11:10

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB45

Tgt Ion:	97	Resp:	25658
Ion	Ratio	Lower	Upper
97	100		
99	64.9	43.5	80.7
83	94.4	62.0	115.2
85	60.0	40.5	75.1



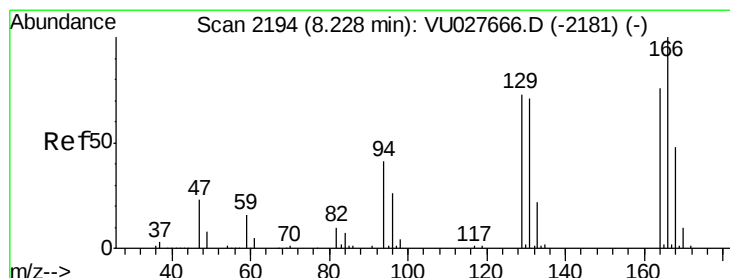
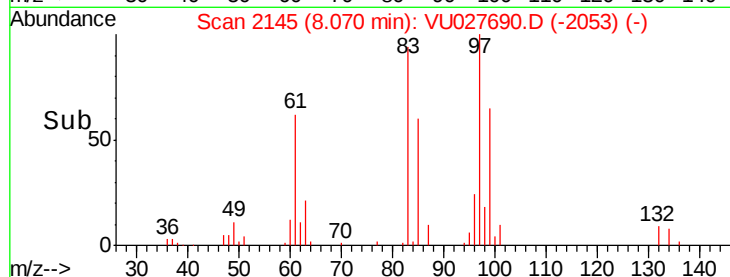
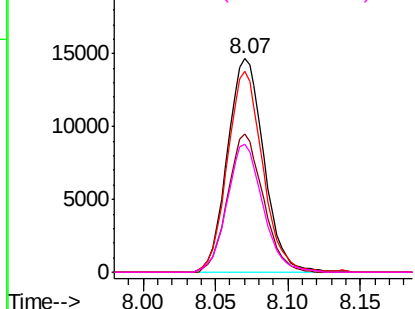
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

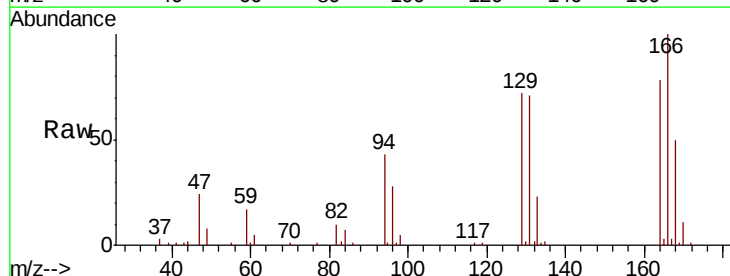
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 5.010 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU027690.D
 Acq: 18 Oct 2018 11:10

Tgt Ion:	164	Resp:	28808
Ion	Ratio	Lower	Upper
164	100		
129	92.1	67.3	124.9
131	90.0	64.8	120.3
166	127.5	91.8	170.4



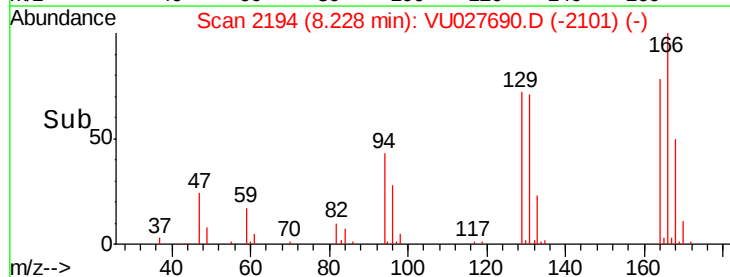
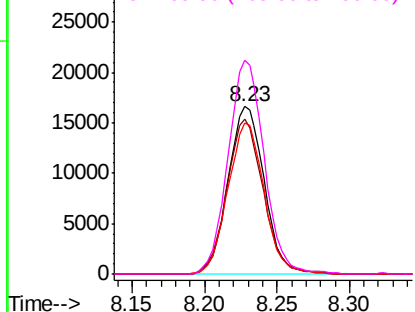
Abundance

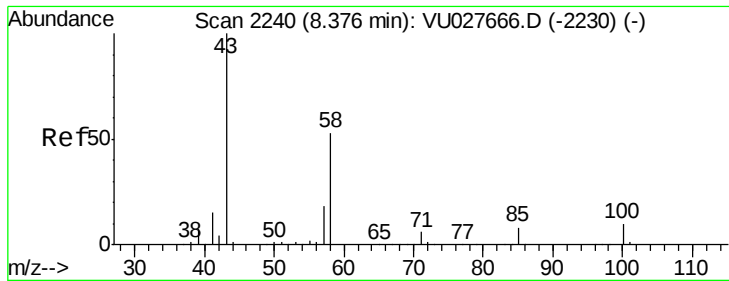
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

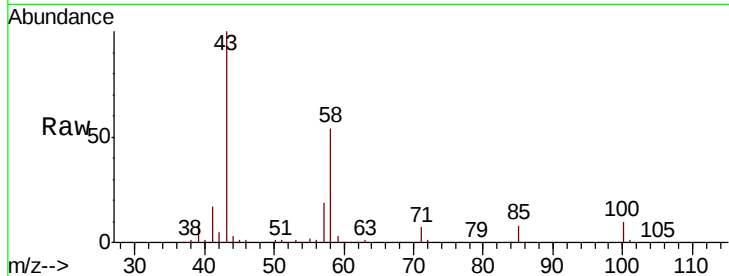




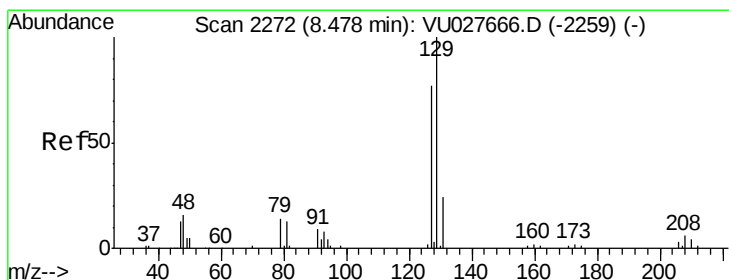
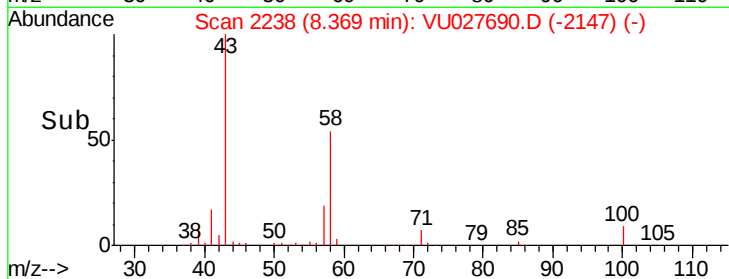
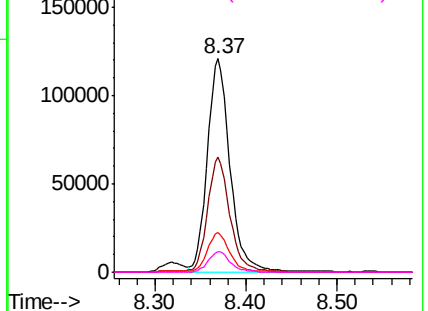
#48
2-Hexanone
Concen: 53.929 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. -0.01 min
Lab File: VU027690.D
Acq: 18 Oct 2018 11:10

Instrument :
MSVOA_U
ClientSampled :
BFB45

Tgt Ion:	43	Resp:	208402
Ion	Ratio	Lower	Upper
43	100		
58	52.8	42.7	64.1
57	18.2	14.5	21.7
100	9.4	8.1	12.1

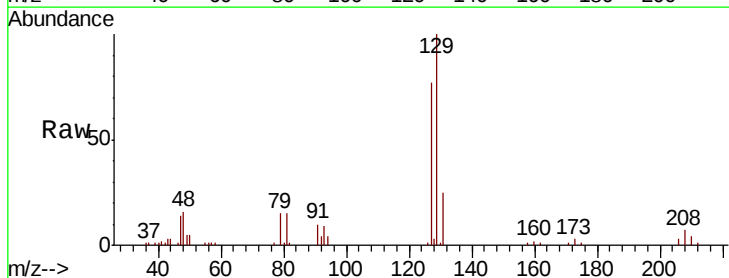


Abundance Ion 43.05 (42.75 to 43.75): VU027690.D (-2147) (-)
Ion 58.05 (57.75 to 58.75): VU027690.D (-2147) (-)
Ion 57.20 (56.90 to 57.90): VU027690.D (-2147) (-)
Ion 100.15 (99.85 to 100.85): VU027690.D (-2147) (-)

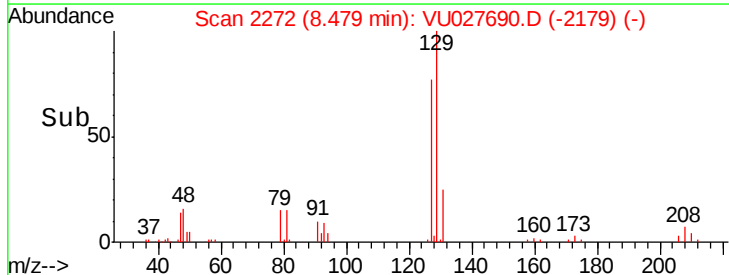
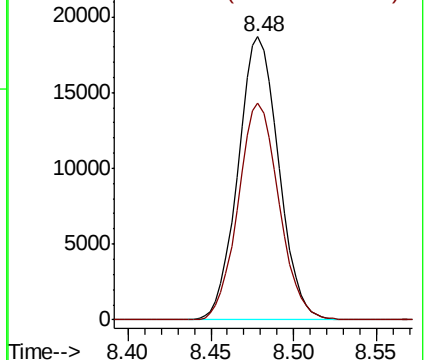


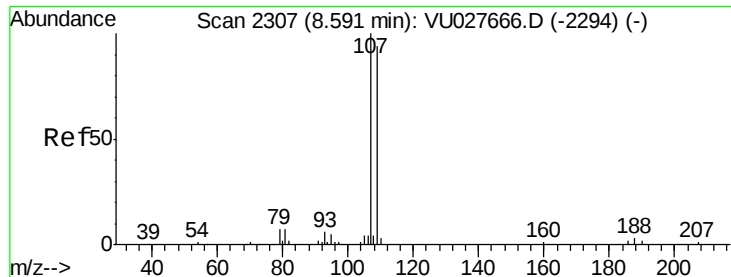
#49
Dibromochloromethane
Concen: 4.982 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027690.D
Acq: 18 Oct 2018 11:10

Tgt Ion:	129	Resp:	31814
Ion	Ratio	Lower	Upper
129	100		
127	76.7	54.1	100.5



Abundance Ion 128.95 (128.65 to 129.65): VU027690.D (-2179) (-)
Ion 126.90 (126.60 to 127.60): VU027690.D (-2179) (-)

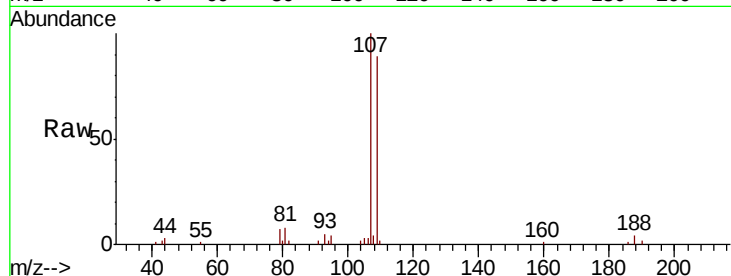




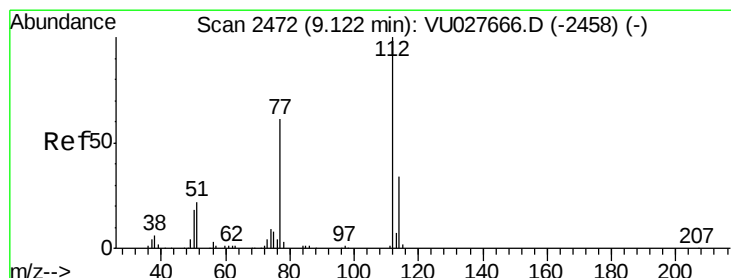
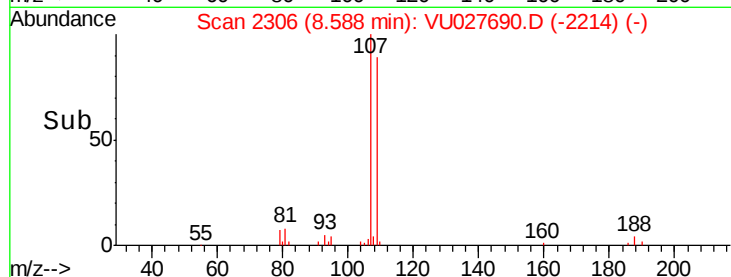
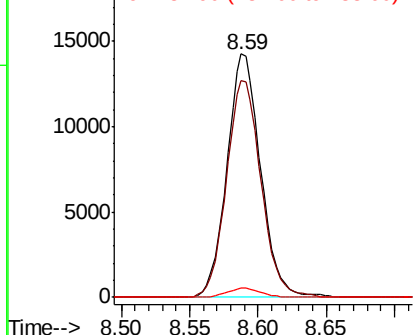
#50
1,2-Dibromoethane
Concen: 5.063 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU027690.D
Acq: 18 Oct 2018 11:10

Instrument :
MSVOA_U
ClientSampleId :
BFB45

Tgt Ion:107 Resp: 24380
Ion Ratio Lower Upper
107 100
109 88.9 66.1 122.7
188 3.7 2.6 4.0

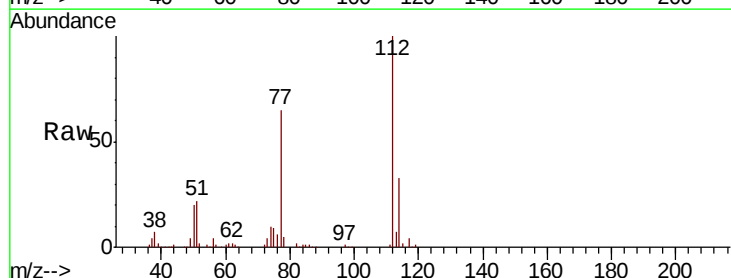


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

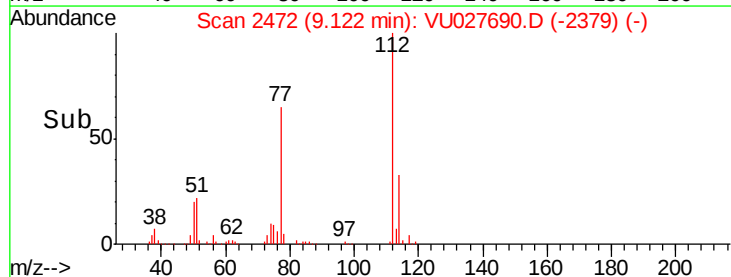
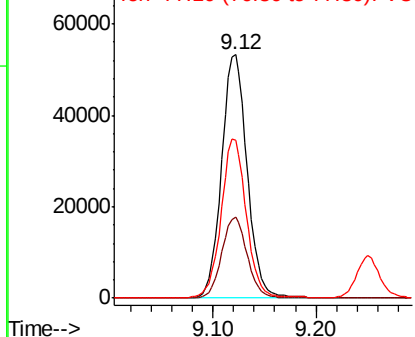


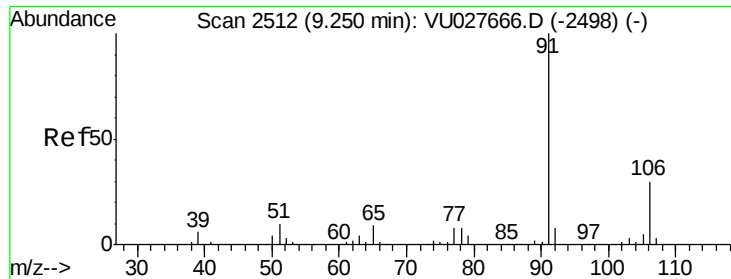
#51
Chlorobenzene
Concen: 5.018 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027690.D
Acq: 18 Oct 2018 11:10

Tgt Ion:112 Resp: 92064
Ion Ratio Lower Upper
112 100
114 33.1 23.4 43.6
77 64.7 49.5 74.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.075 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027690.D

Acq: 18 Oct 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

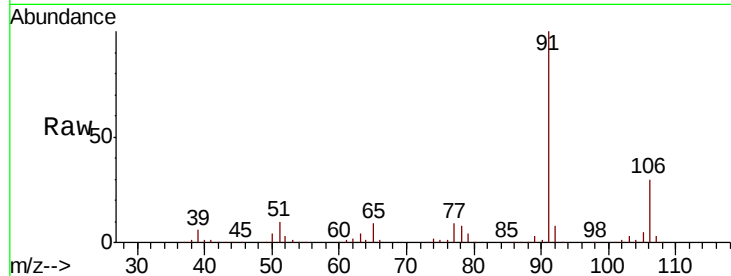
BFB45

Tgt Ion: 91 Resp: 168165

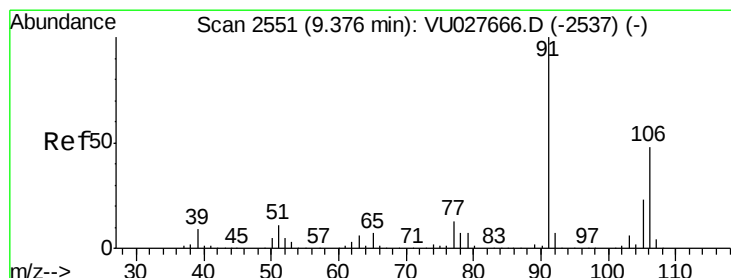
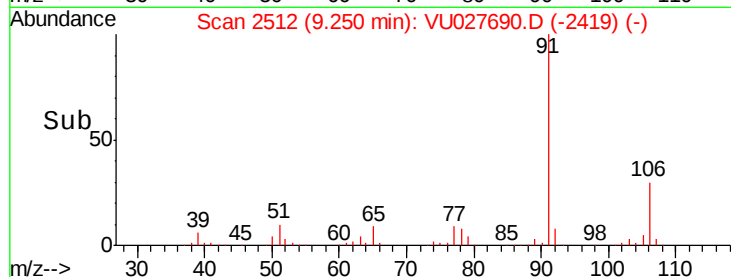
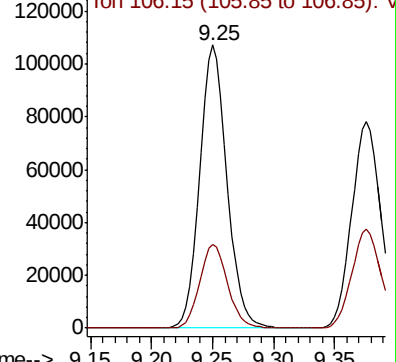
Ion Ratio Lower Upper

91 100

106 29.8 20.9 38.9



Abundance Ion 91.15 (90.85 to 91.85): VU027666.D (-2498) (-)



#53

m,p-xylene

Concen: 5.076 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027690.D

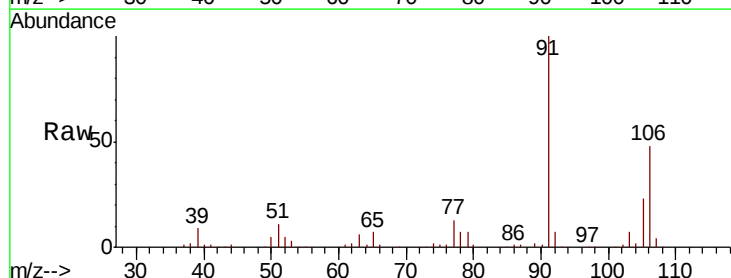
Acq: 18 Oct 2018 11:10

Tgt Ion: 106 Resp: 62597

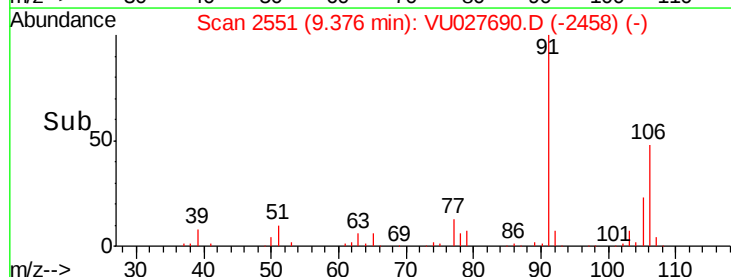
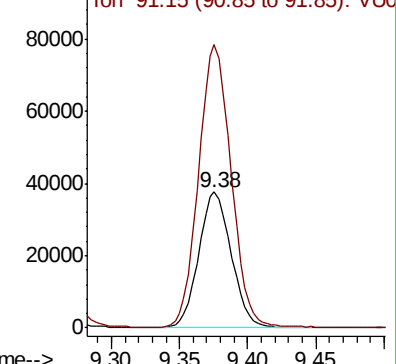
Ion Ratio Lower Upper

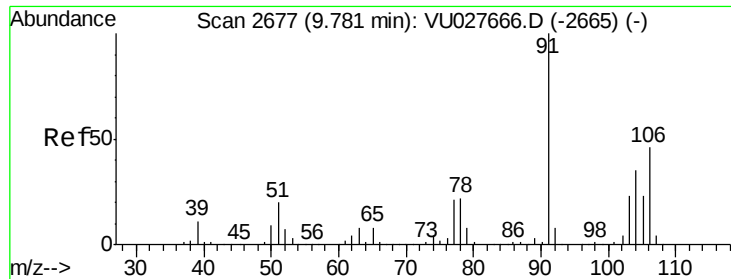
106 100

91 208.2 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): VU027666.D (-2537) (-)

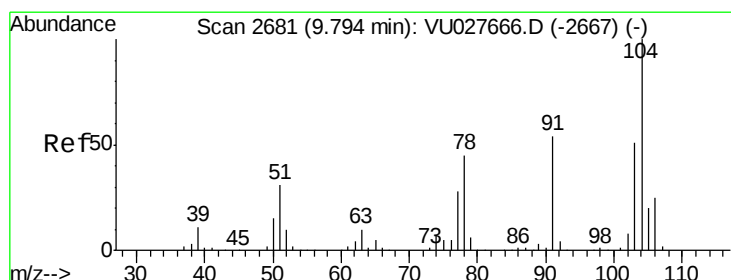
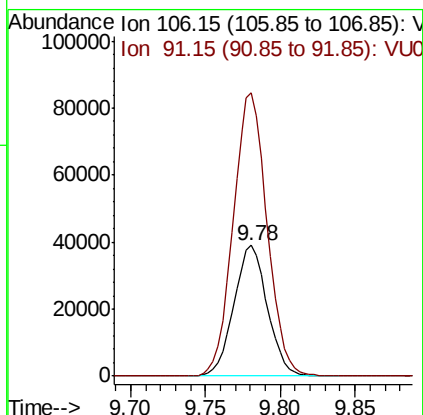
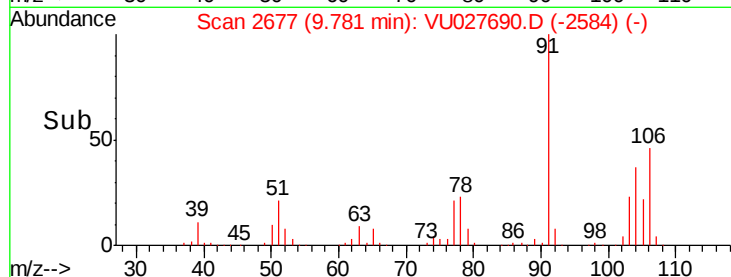
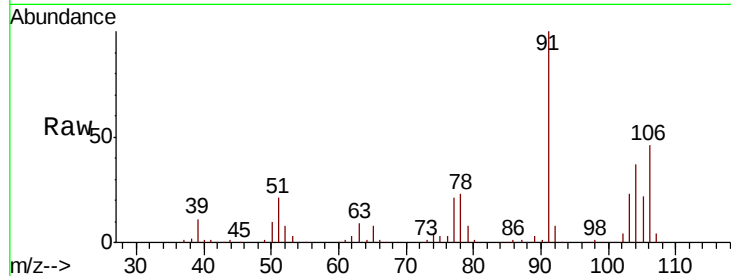




#54
o-xylene
Concen: 5.013 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027690.D
Acq: 18 Oct 2018 11:10

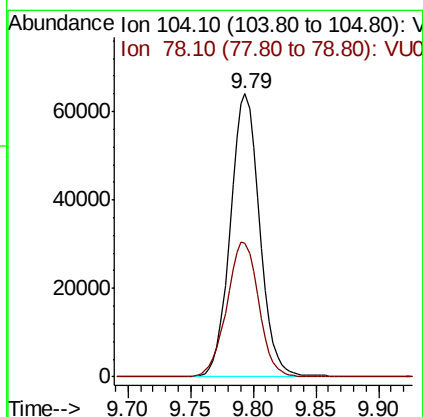
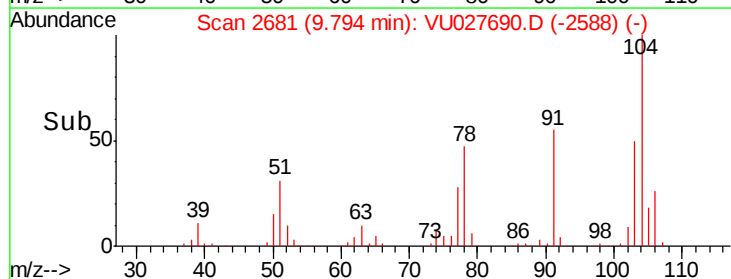
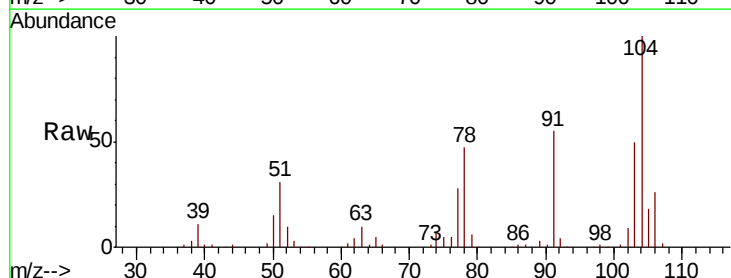
Instrument :
MSVOA_U
ClientSampleId :
BFB45

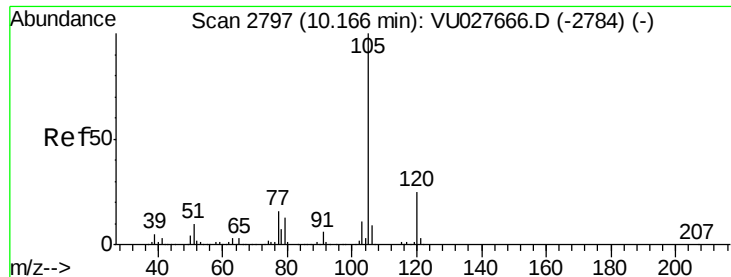
Tgt Ion:106 Resp: 60683
Ion Ratio Lower Upper
106 100
91 216.6 153.5 285.1



#55
Styrene
Concen: 5.106 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027690.D
Acq: 18 Oct 2018 11:10

Tgt Ion:104 Resp: 103937
Ion Ratio Lower Upper
104 100
78 47.3 31.8 59.0





#56

Isopropylbenzene

Concen: 5.059 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027690.D

Acq: 18 Oct 2018 11:10

Instrument :

MSVOA_U

ClientSampled :

BFB45

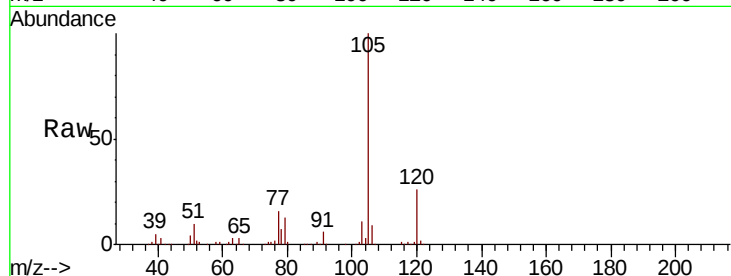
Tgt Ion: 105 Resp: 162842

Ion Ratio Lower Upper

105 100

120 25.8 20.8 31.2

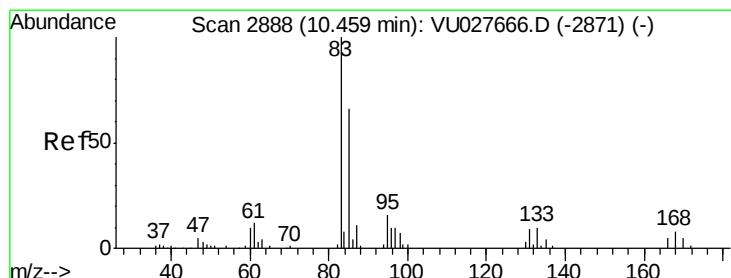
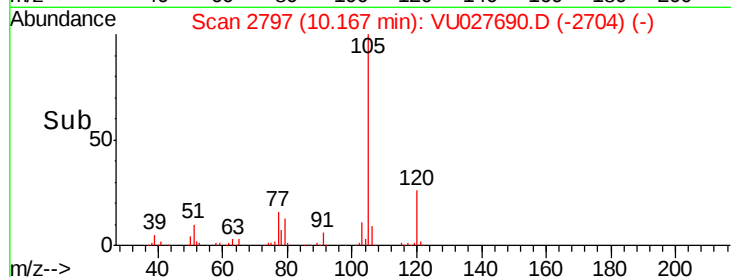
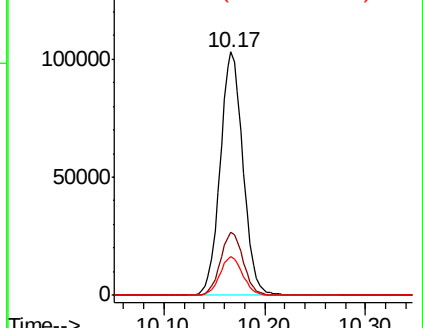
77 15.9 12.6 18.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.830 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027690.D

Acq: 18 Oct 2018 11:10

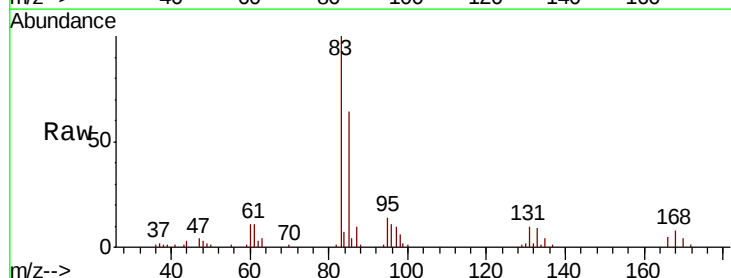
Tgt Ion: 83 Resp: 32468

Ion Ratio Lower Upper

83 100

85 64.0 46.1 85.7

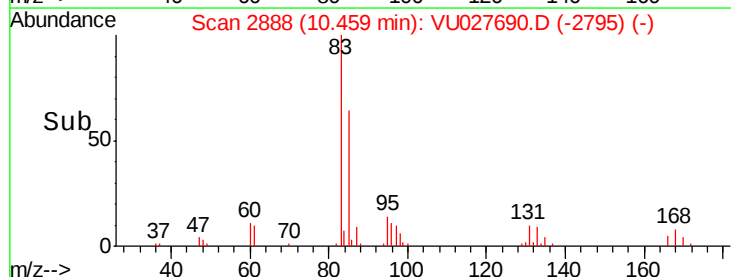
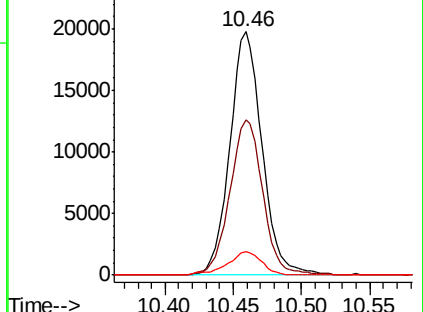
131 9.6 7.0 10.4

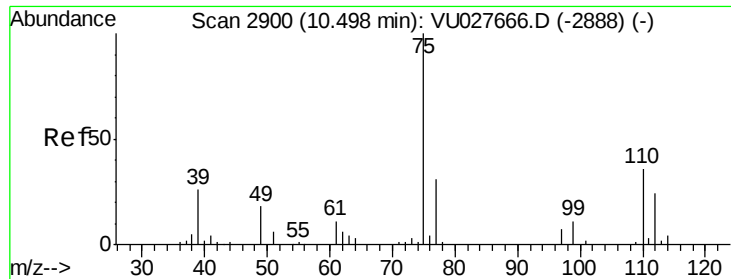


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

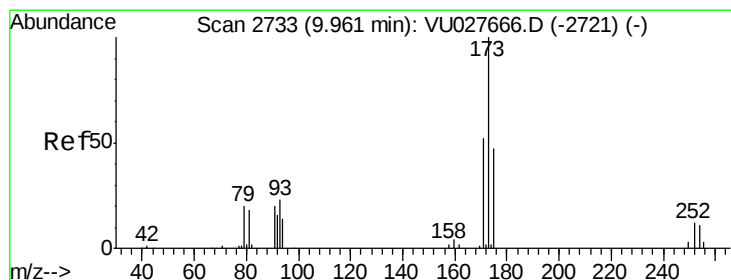
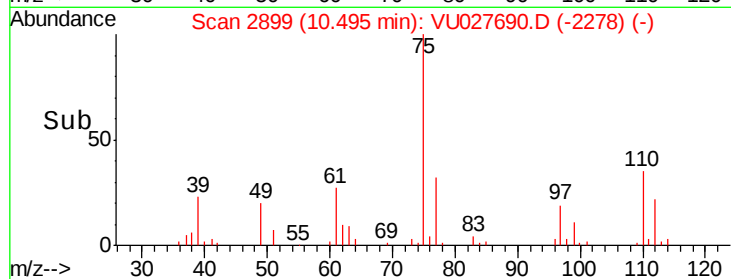
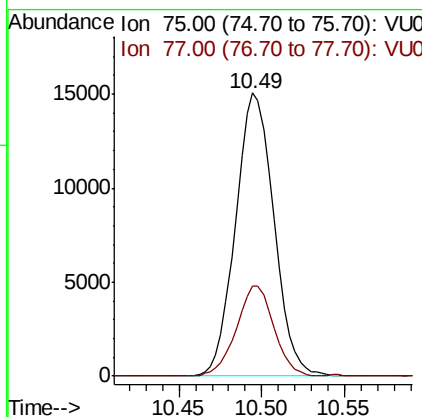
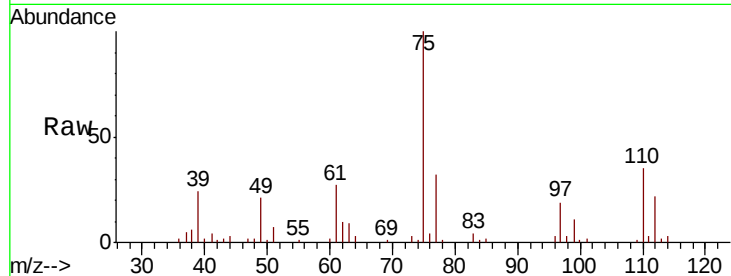




#59
 1,2,3-Trichloropropane
 Concen: 5.276 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU027690.D
 Acq: 18 Oct 2018 11:10

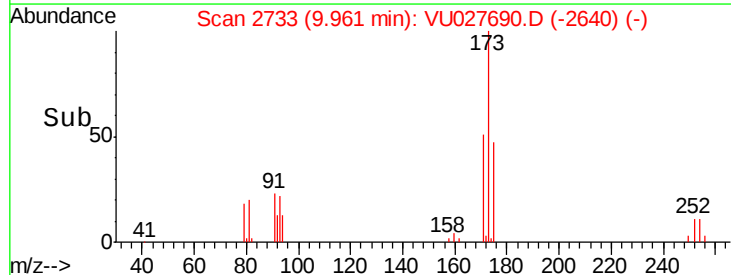
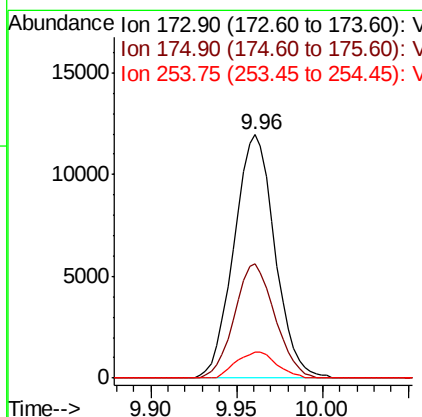
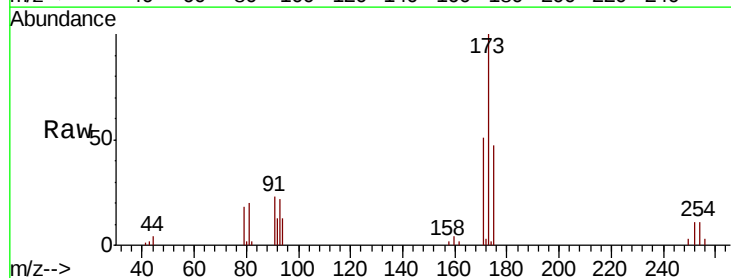
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB45

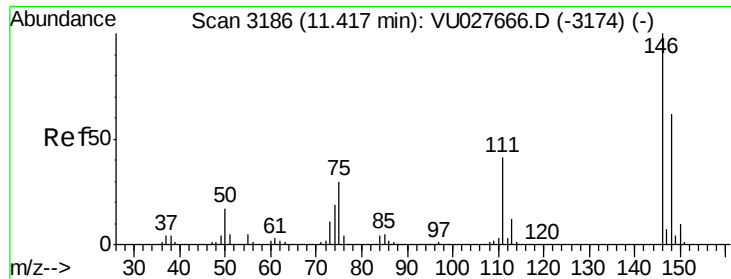
Tgt Ion: 75 Resp: 24229
 Ion Ratio Lower Upper
 75 100
 77 31.0 26.9 40.3



#61
 Bromoform
 Concen: 5.150 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU027690.D
 Acq: 18 Oct 2018 11:10

Tgt Ion: 173 Resp: 19786
 Ion Ratio Lower Upper
 173 100
 175 46.5 38.2 57.2
 254 10.5 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 5.081 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027690.D

Acq: 18 Oct 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

BFB45

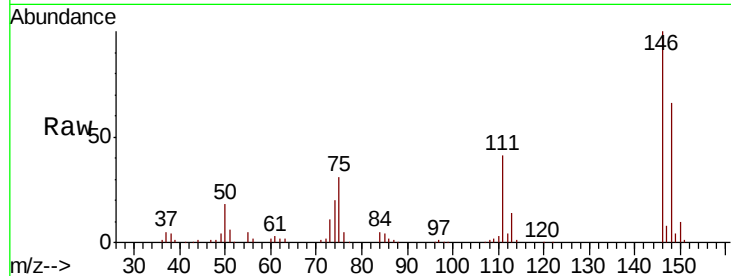
Tgt Ion:146 Resp: 72333

Ion Ratio Lower Upper

146 100

111 40.7 28.6 53.0

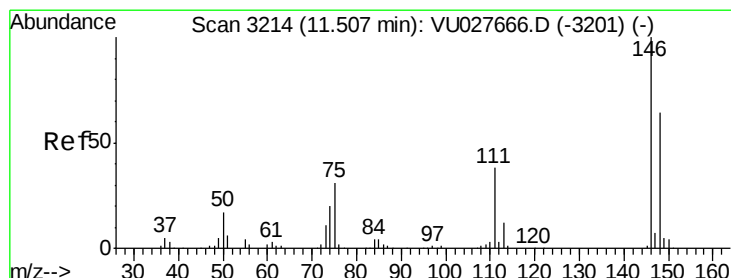
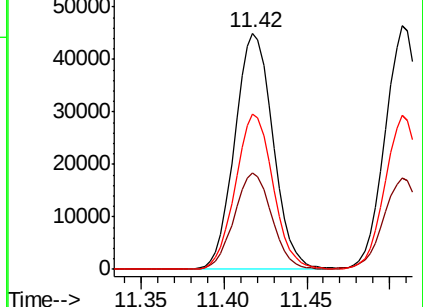
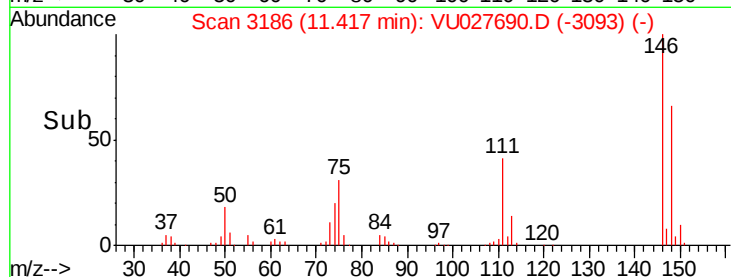
148 65.6 43.6 81.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.073 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027690.D

Acq: 18 Oct 2018 11:10

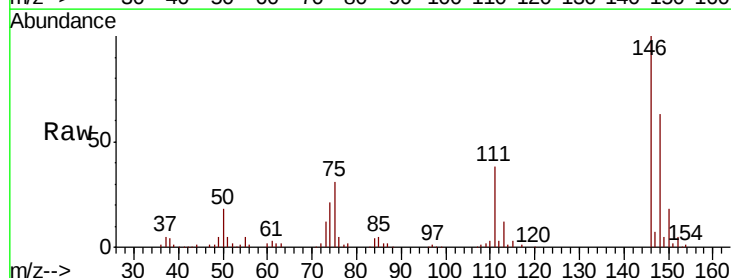
Tgt Ion:146 Resp: 72419

Ion Ratio Lower Upper

146 100

111 37.7 26.5 49.1

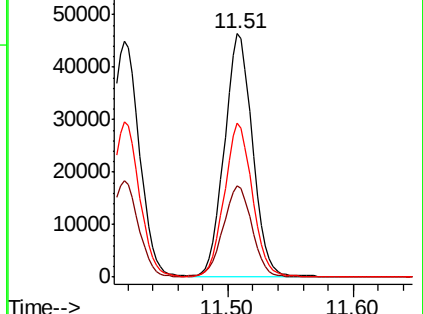
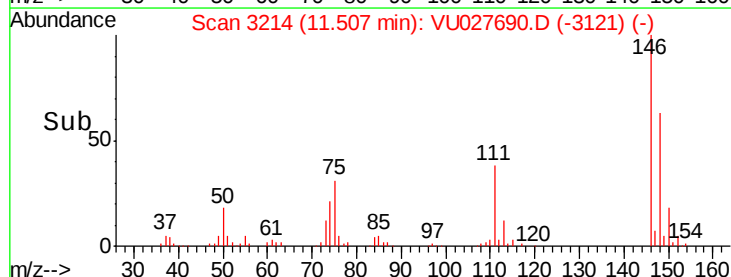
148 63.1 45.2 84.0

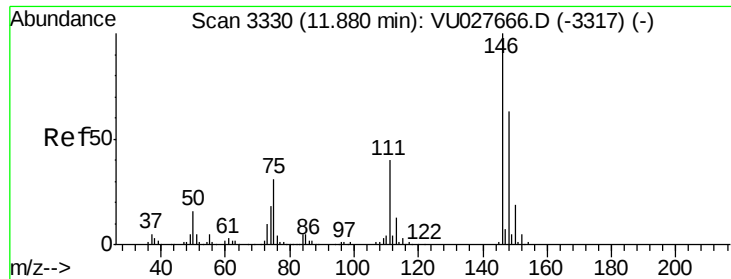


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.055 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027690.D

Acq: 18 Oct 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

BFB45

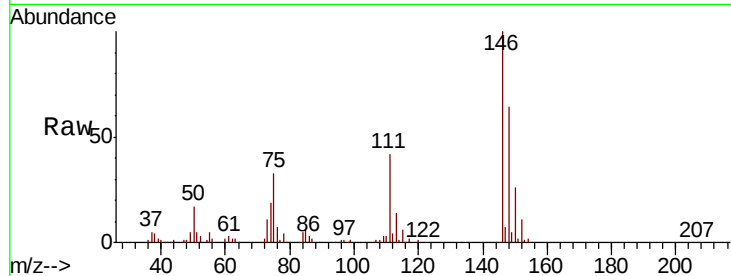
Tgt Ion:146 Resp: 69118

Ion Ratio Lower Upper

146 100

111 41.8 31.7 47.5

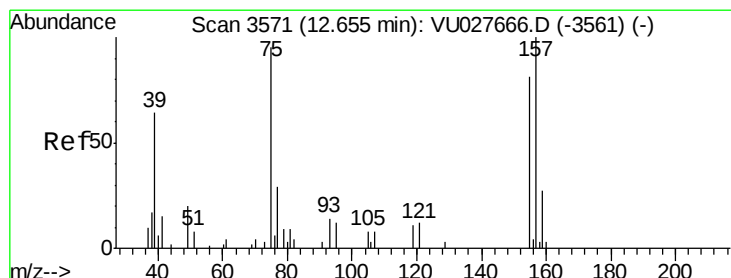
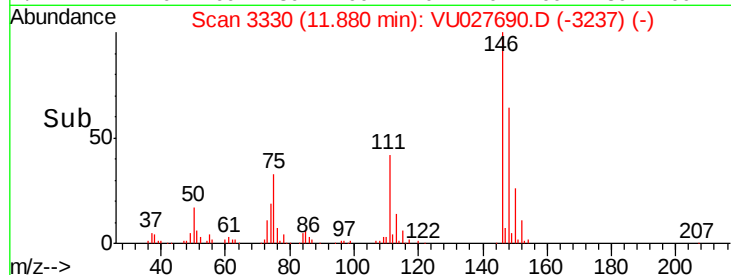
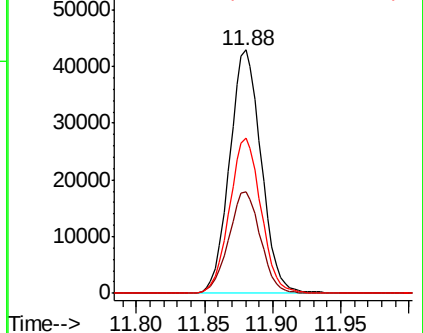
148 63.7 50.6 75.8



Abundance Ion 145.95 (145.65 to 146.65): 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: 5.300 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU027690.D

Acq: 18 Oct 2018 11:10

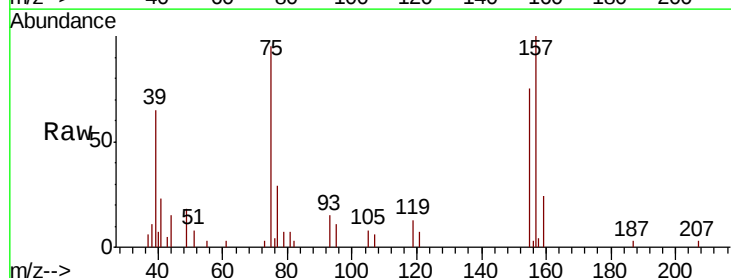
Tgt Ion: 75 Resp: 5967

Ion Ratio Lower Upper

75 100

155 78.9 68.3 102.5

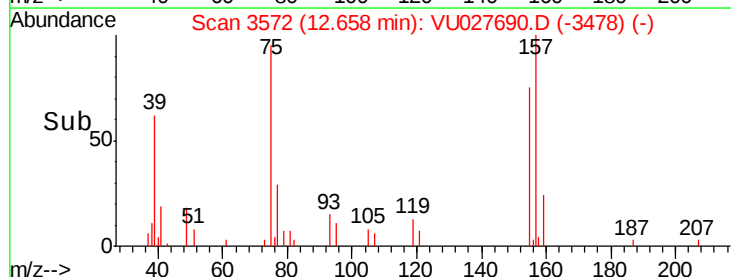
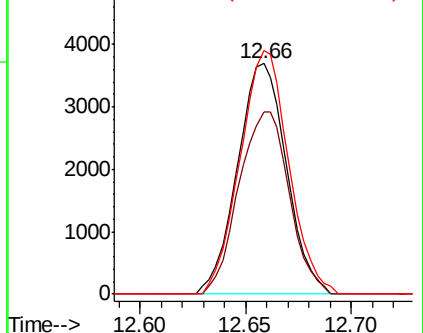
157 105.7 84.6 127.0

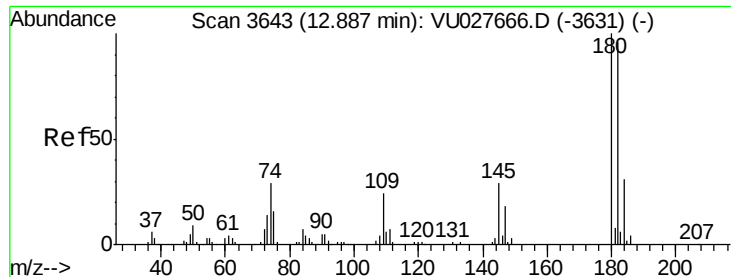


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

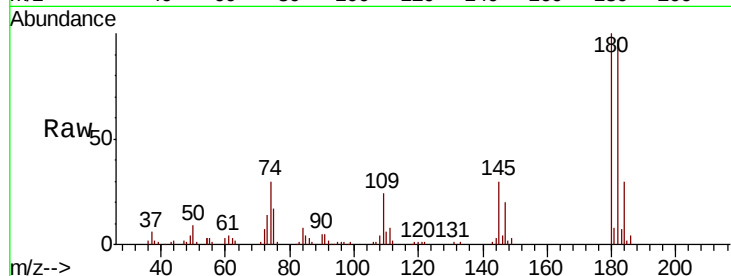




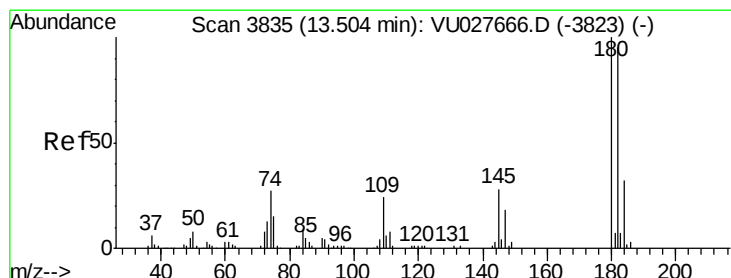
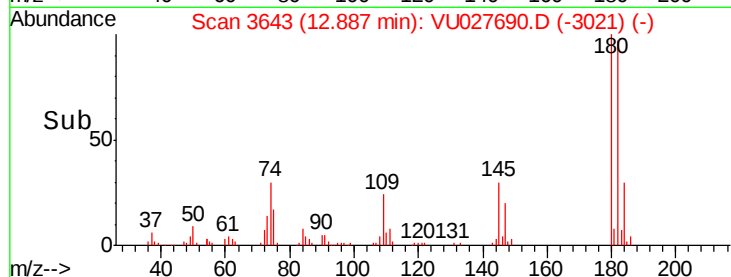
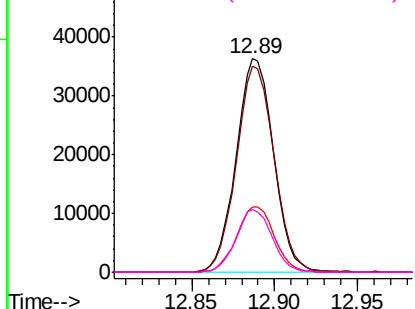
#67
 1,3,5-Trichlorobenzene
 Concen: 4.947 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU027690.D
 Acq: 18 Oct 2018 11:10

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB45

Tgt Ion:180 Resp: 57163
 Ion Ratio Lower Upper
 180 100
 182 97.2 77.0 115.4
 184 30.7 24.2 36.2
 145 28.7 22.6 33.8

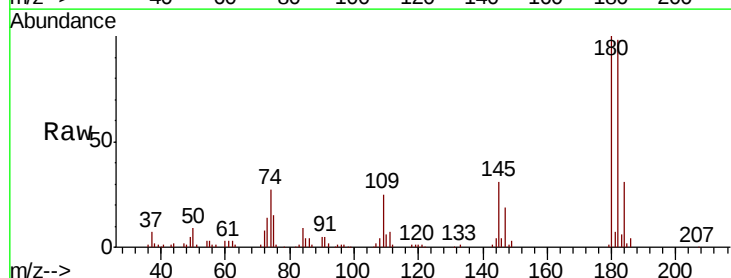


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

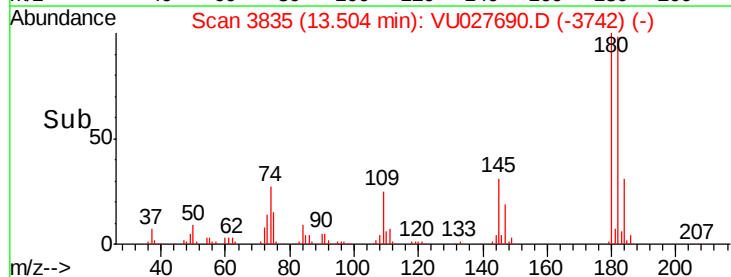
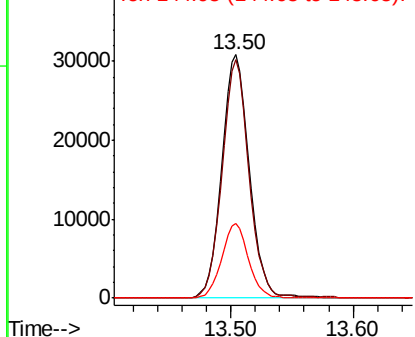


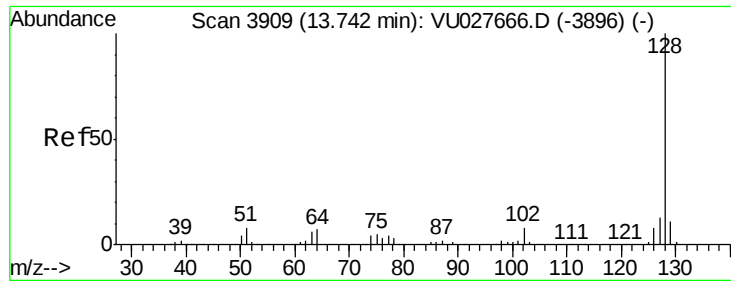
#68
 1,2,4-trichlorobenzene
 Concen: 4.914 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027690.D
 Acq: 18 Oct 2018 11:10

Tgt Ion:180 Resp: 48946
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.6 114.8
 145 29.7 22.2 33.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.081 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027690.D

Acq: 18 Oct 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

BFB45

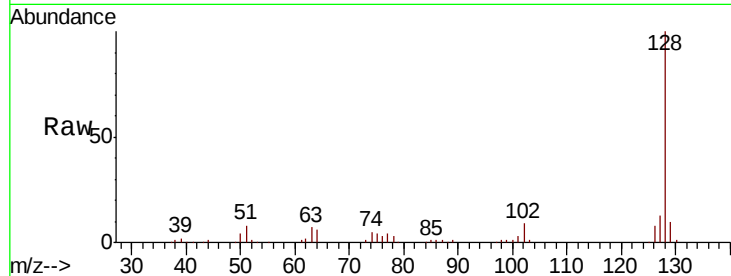
Tgt Ion:128 Resp: 84605

Ion Ratio Lower Upper

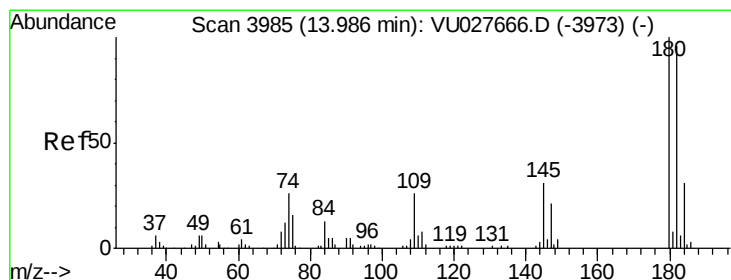
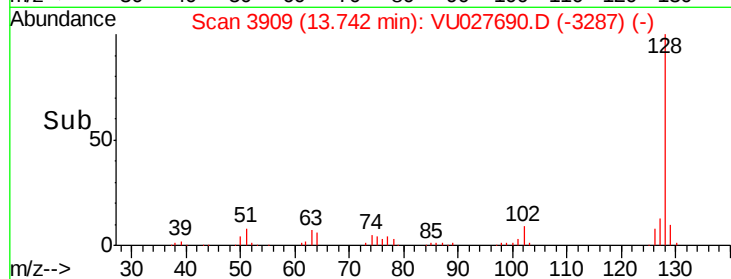
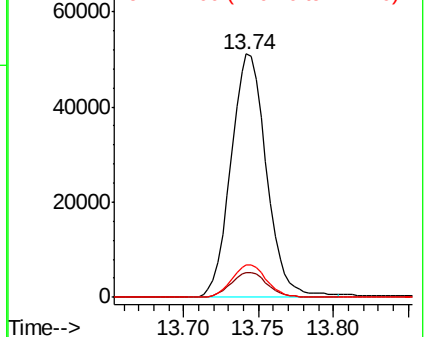
128 100

129 10.5 8.7 13.1

127 13.1 10.5 15.7



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



#70

1,2,3-Trichlorobenzene

Concen: 4.826 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027690.D

Acq: 18 Oct 2018 11:10

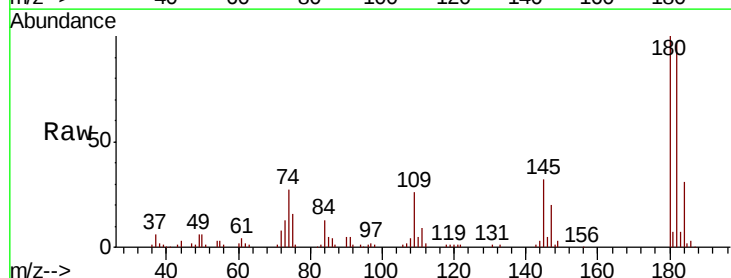
Tgt Ion:180 Resp: 44898

Ion Ratio Lower Upper

180 100

182 97.1 75.8 113.6

145 31.7 24.4 36.6



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

