

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082218\
 Data File : VU026246.D
 Acq On : 22 Aug 2018 14:31
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV46

Quant Time: Aug 23 07:27:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 07:27:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	304283	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	292831	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	161265	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	92981	50.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.20%
7) Chloroethane-d5	1.68	69	75892	50.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.30%
11) 1,1-Dichloroethene-d2	2.27	63	183706	50.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.72%
21) 2-Butanone-d5	4.18	46	153399	103.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.56%
24) Chloroform-d	4.65	84	216575	52.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.70%
26) 1,2-Dichloroethane-d4	5.31	65	138060	51.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.56%
32) Benzene-d6	5.34	84	409772	52.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.62%
36) 1,2-Dichloropropane-d6	6.33	67	129836	51.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.24%
41) Toluene-d8	7.57	98	399850	53.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.80%
43) trans-1,3-Dichloropropene-	7.85	79	68214	52.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.98%
47) 2-Hexanone-d5	8.31	63	112350	104.51	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.51%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	190681	51.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	168490	49.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	130110	54.455 ug/L	98
3) Chloromethane	1.33	50	118615	53.846 ug/L	99
5) Vinyl chloride	1.40	62	114807	51.728 ug/L	98
6) Bromomethane	1.63	94	73428	53.209 ug/L	98
8) Chloroethane	1.70	64	67387	52.946 ug/L	97
9) Trichlorofluoromethane	1.89	101	166432	52.945 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	95722	54.878 ug/L	98
12) 1,1-Dichloroethene	2.28	96	85490	53.381 ug/L	93
13) Acetone	2.32	43	111766	97.493 ug/L	99
14) Carbon disulfide	2.48	76	317120	51.615 ug/L	98
15) Methyl Acetate	2.62	43	117475	53.247 ug/L	99
16) Methylene chloride	2.70	84	112085	52.007 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	105548	53.469 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	325023	54.961 ug/L	99
19) 1,1-Dichloroethane	3.45	63	194453	54.093 ug/L	97
20) cis-1,2-Dichloroethene	4.23	96	117857	54.089 ug/L	99
22) 2-Butanone	4.26	43	163608	106.670 ug/L	96

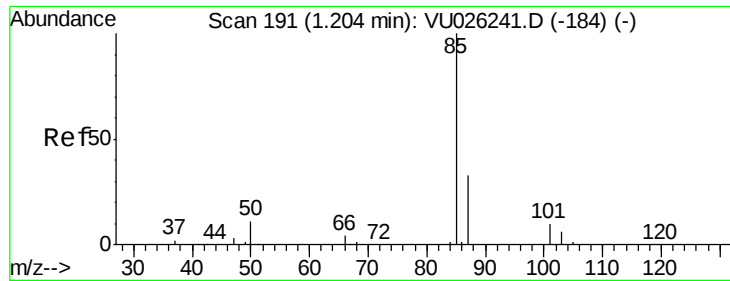
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082218\
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 07:27:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	61692	52.941	ug/L	96
25) Chloroform	4.67	83	208296	54.278	ug/L	98
27) 1,2-Dichloroethane	5.41	62	164546	53.826	ug/L	100
29) Cyclohexane	5.00	56	169200	56.342	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	185464	54.511	ug/L	100
31) Carbon tetrachloride	5.14	117	170569	53.324	ug/L	99
33) Benzene	5.39	78	438051	54.871	ug/L	100
34) Trichloroethene	6.19	95	113968	53.987	ug/L	99
35) Methylcyclohexane	6.42	83	184678	57.209	ug/L	100
37) 1,2-Dichloropropane	6.44	63	118213	54.182	ug/L	99
38) Bromodichloromethane	6.76	83	157450	53.969	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	177526	53.568	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	297832	107.709	ug/L	100
42) Toluene	7.64	91	471009	55.449	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	177562	55.684	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	111344	54.023	ug/L	99
46) Tetrachloroethene	8.23	164	100436	55.292	ug/L	98
48) 2-Hexanone	8.36	43	234198	105.241	ug/L	98
49) Dibromochloromethane	8.48	129	137919	54.449	ug/L	98
50) 1,2-Dibromoethane	8.59	107	122383	53.798	ug/L	99
51) Chlorobenzene	9.12	112	310628	53.466	ug/L	99
52) Ethylbenzene	9.25	91	521277	56.340	ug/L	99
53) m,p-Xylene	9.38	106	204184	57.097	ug/L	96
54) o-xylene	9.78	106	194755	55.833	ug/L	99
55) Styrene	9.79	104	340376	57.166	ug/L	99
56) Isopropylbenzene	10.17	105	517991	57.243	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	183435	52.586	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	143201	52.648	ug/L	97
61) Bromoform	9.96	173	104494	52.307	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	253750	53.379	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	267915	53.338	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	262475	52.495	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	42155	50.468	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	204158	54.711	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	178235	54.716	ug/L	99
69) Naphthalene	13.74	128	545991	56.263	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	189274	54.537	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 54.455 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

Instrument :

MSVOA_U

ClientSampleId :

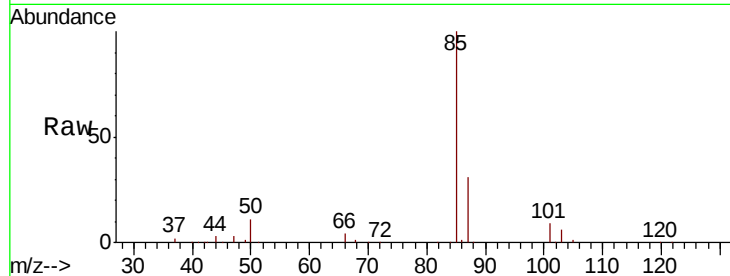
VICV46

Tgt Ion: 85 Resp: 130110

Ion Ratio Lower Upper

85 100

87 31.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU026246.D (-98) (-)

Ion 87.00 (86.70 to 87.70): VU026246.D (-98) (-)

1.20

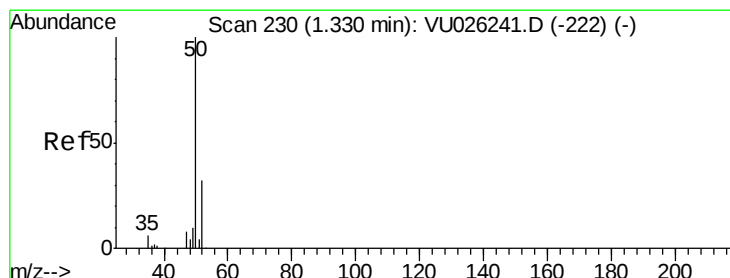
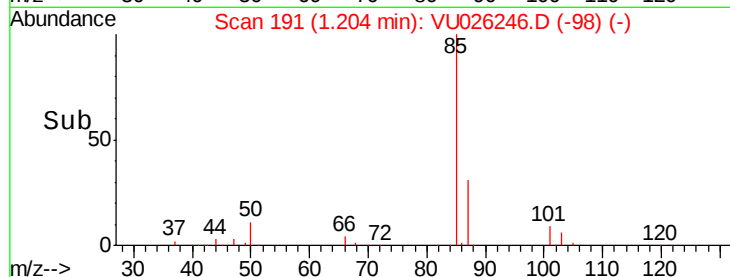
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 53.846 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026246.D

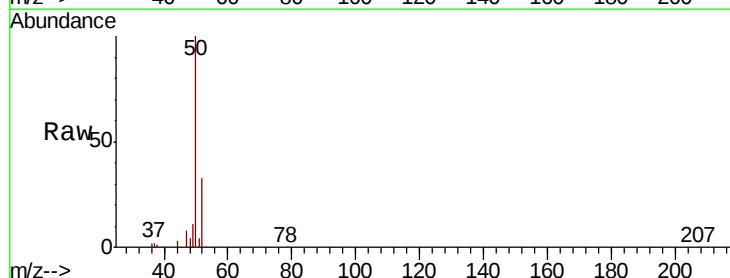
Acq: 22 Aug 2018 14:31

Tgt Ion: 50 Resp: 118615

Ion Ratio Lower Upper

50 100

52 32.8 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU026246.D (-137) (-)

Ion 52.00 (51.70 to 52.70): VU026246.D (-137) (-)

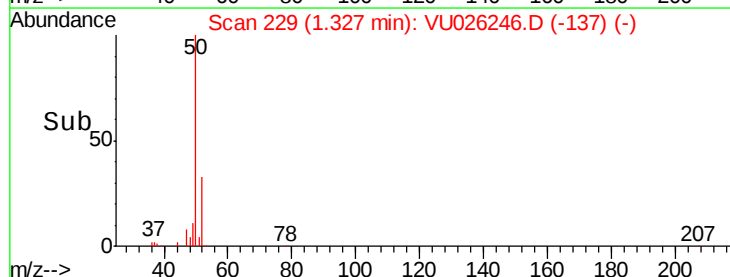
1.33

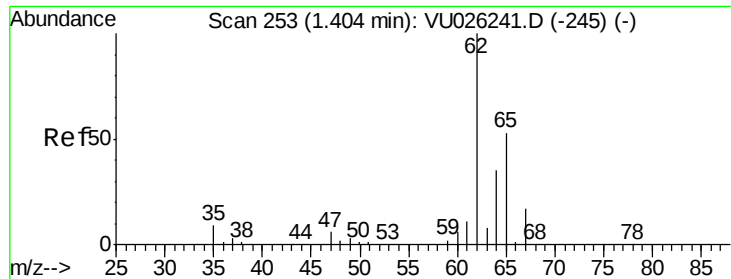
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 51.728 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

Instrument :

MSVOA_U

ClientSampleId :

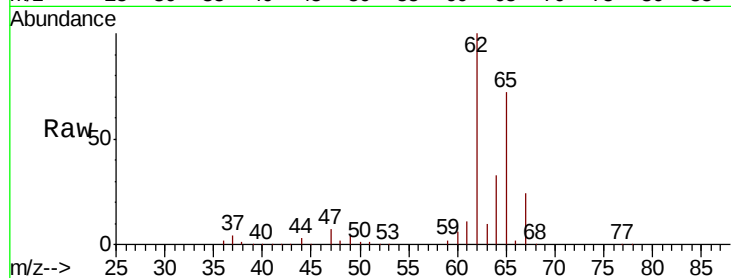
VICV46

Tgt Ion: 62 Resp: 114807

Ion Ratio Lower Upper

62 100

64 33.4 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

120000

100000

80000

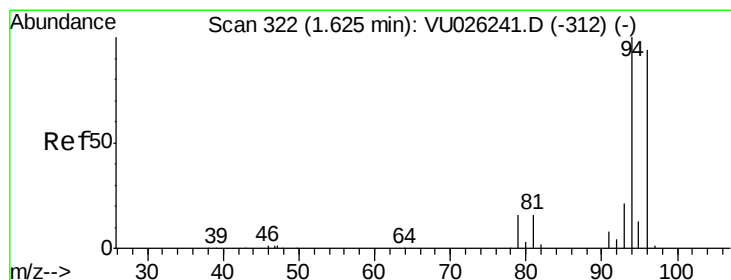
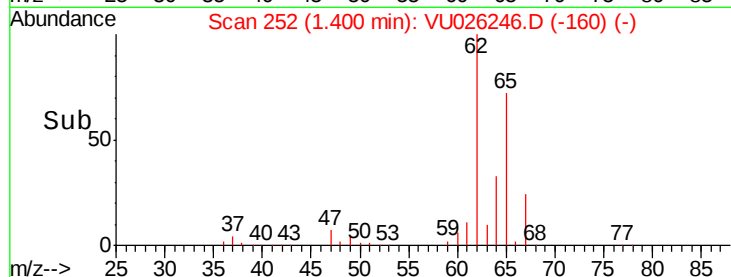
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 53.209 ug/L

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU026246.D

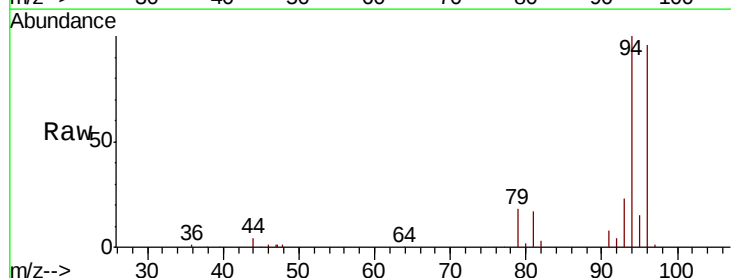
Acq: 22 Aug 2018 14:31

Tgt Ion: 94 Resp: 73428

Ion Ratio Lower Upper

94 100

96 96.5 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

60000

50000

40000

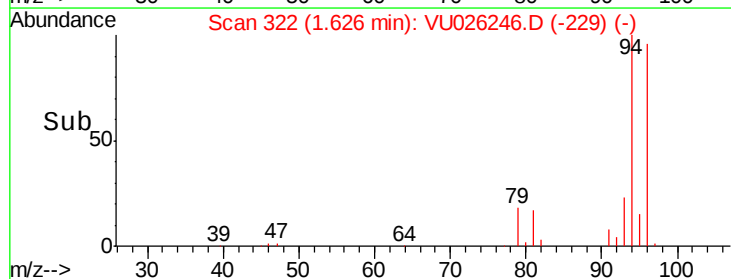
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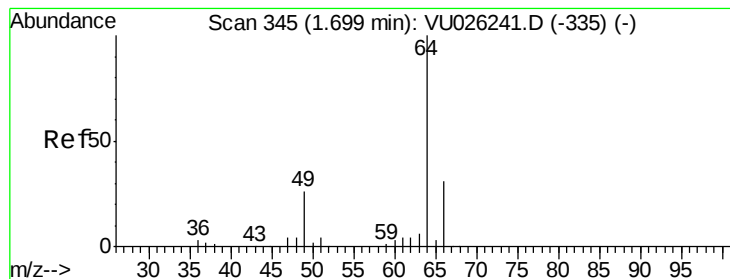
20000

10000

0

Time-->





#8

Chloroethane

Concen: 52.946 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

Instrument :

MSVOA_U

ClientSampleID :

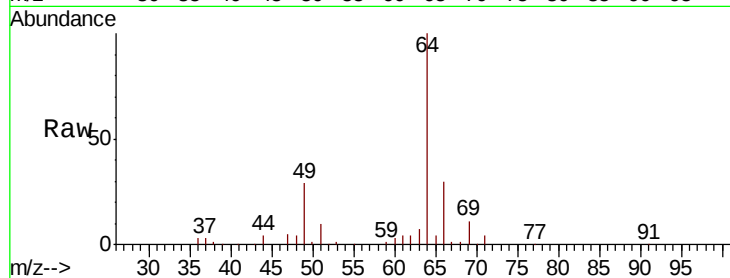
VICV46

Tgt Ion: 64 Resp: 67387

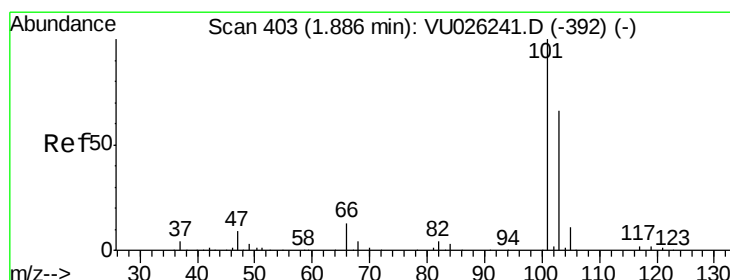
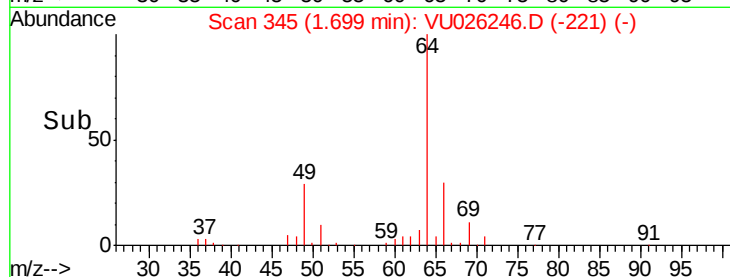
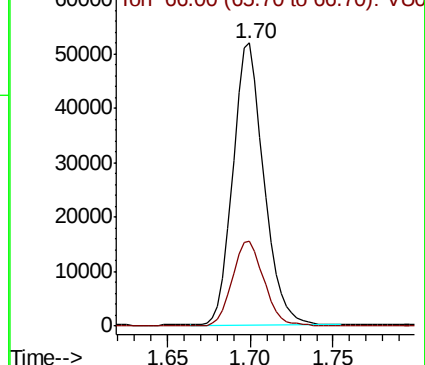
Ion Ratio Lower Upper

64 100

66 29.8 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VU026246.D (-221) (-)



#9

Trichlorofluoromethane

Concen: 52.945 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU026246.D

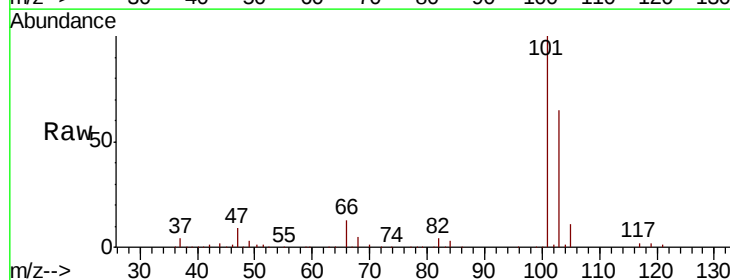
Acq: 22 Aug 2018 14:31

Tgt Ion: 101 Resp: 166432

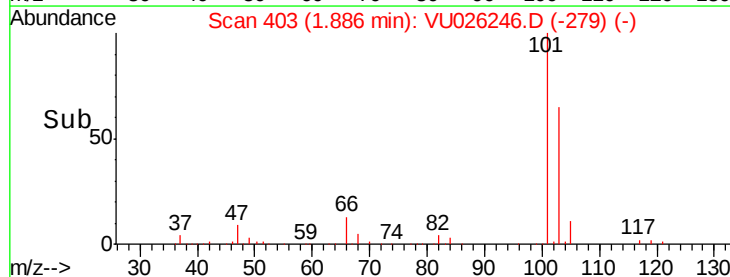
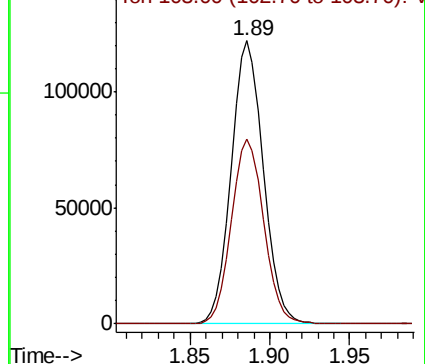
Ion Ratio Lower Upper

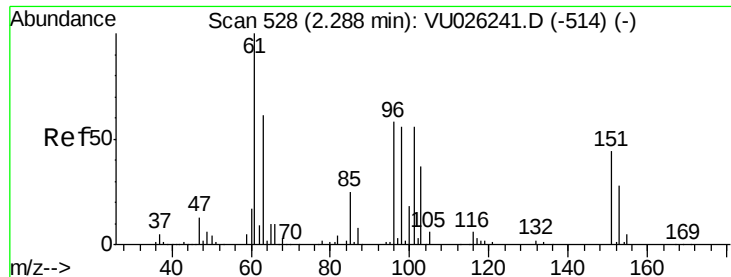
101 100

103 65.9 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU026246.D (-279) (-)





#10

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

Concen: 54.878 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

Instrument :

MSVOA_U

ClientSampleId :

VICV46

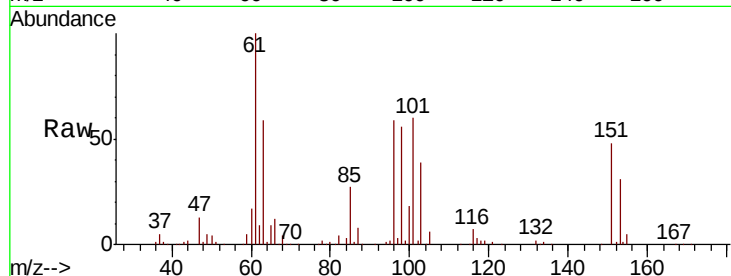
Tgt Ion: 101 Resp: 95722

Ion Ratio Lower Upper

101 100

85 44.9 35.8 53.6

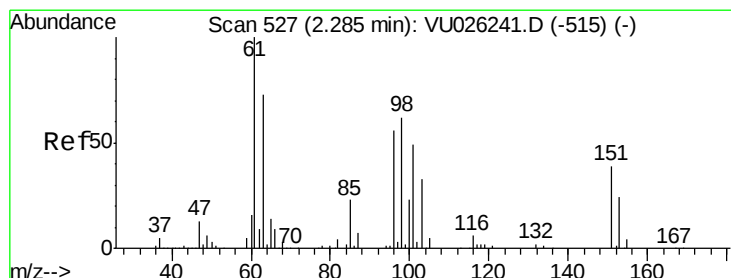
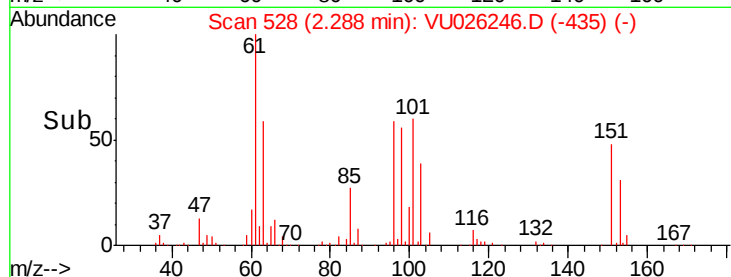
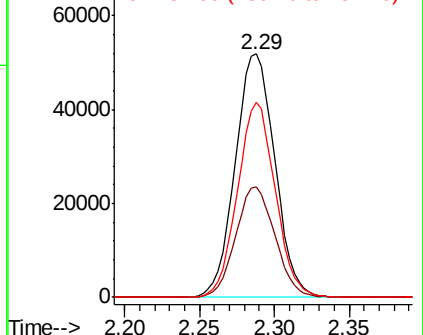
151 76.5 63.3 94.9



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: 53.381 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

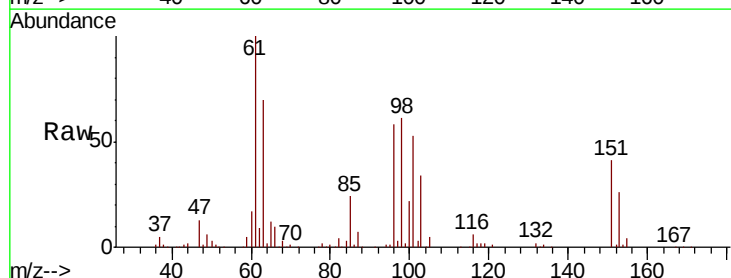
Tgt Ion: 96 Resp: 85490

Ion Ratio Lower Upper

96 100

61 172.3 124.7 231.5

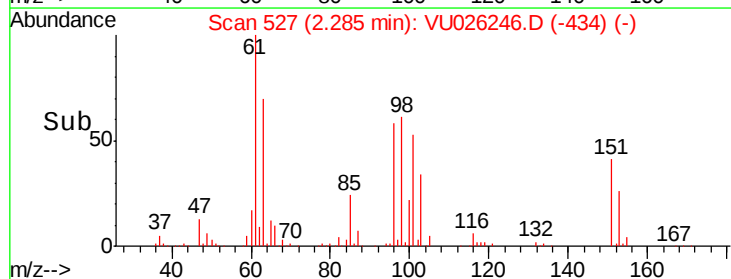
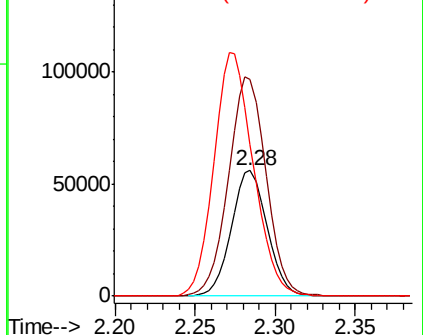
63 120.2 93.7 174.1

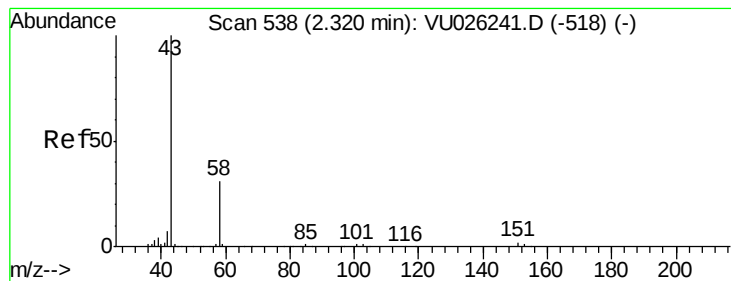


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 97.493 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

Instrument :

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ClientSampleId :

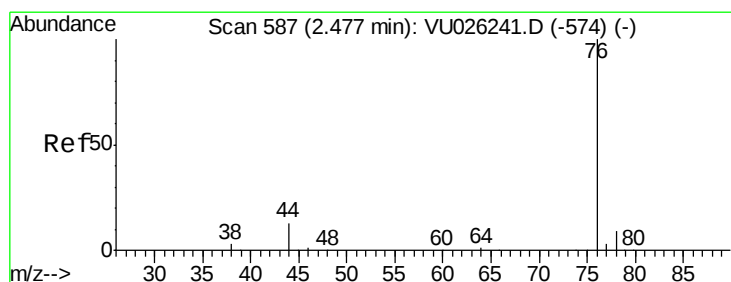
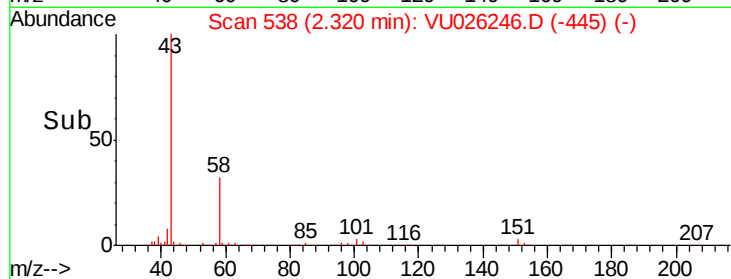
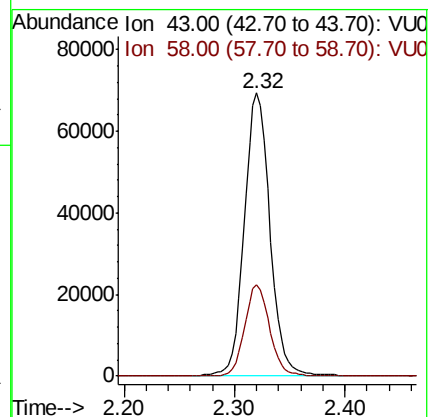
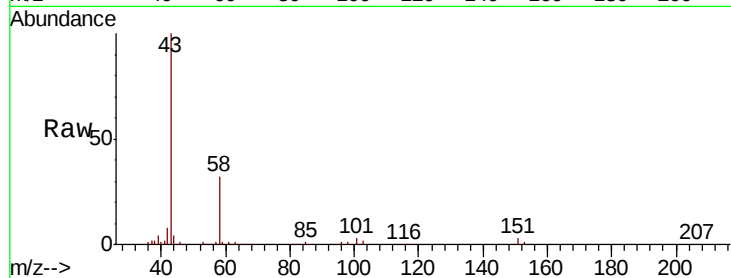
VICV46

Tgt Ion: 43 Resp: 111766

Ion Ratio Lower Upper

43 100

58 31.4 0.0 61.2



#14

Carbon disulfide

Concen: 51.615 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU026246.D

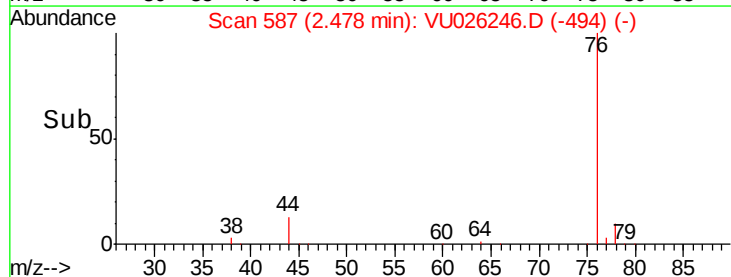
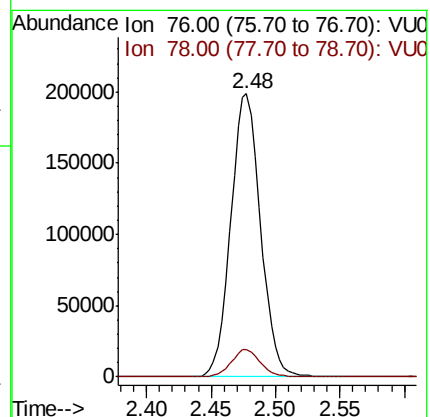
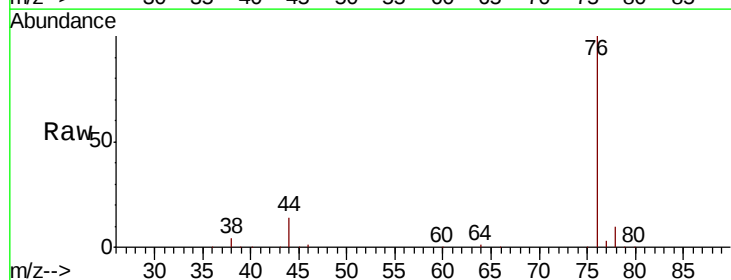
Acq: 22 Aug 2018 14:31

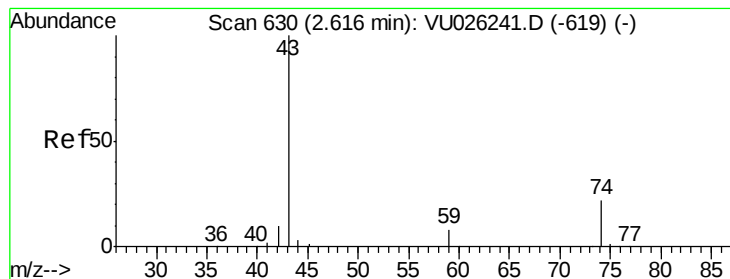
Tgt Ion: 76 Resp: 317120

Ion Ratio Lower Upper

76 100

78 9.8 7.2 10.8





#15

Methyl Acetate

Concen: 53.247 ug/L

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

Instrument :

MSVOA_U

ClientSampleId :

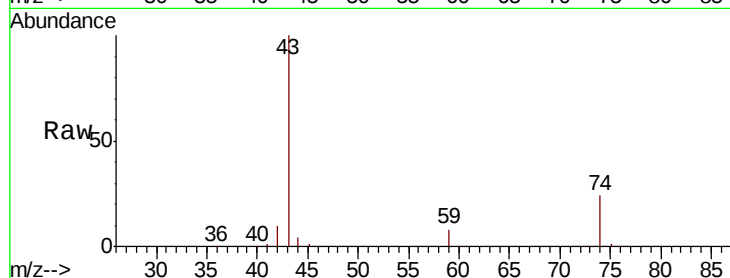
VICV46

Tgt Ion: 43 Resp: 117475

Ion Ratio Lower Upper

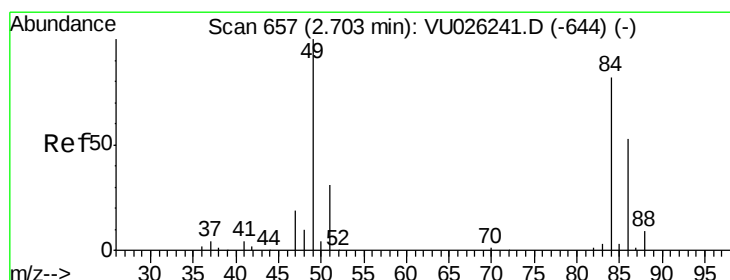
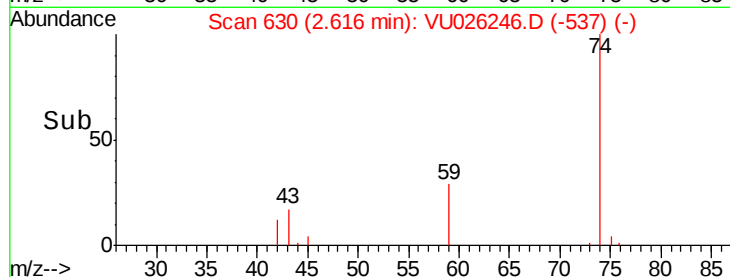
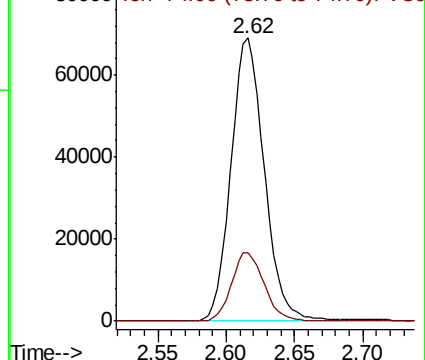
43 100

74 23.6 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 52.007 ug/L

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

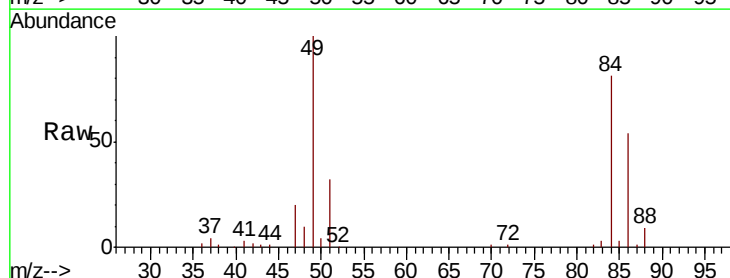
Tgt Ion: 84 Resp: 112085

Ion Ratio Lower Upper

84 100

86 66.2 45.4 84.4

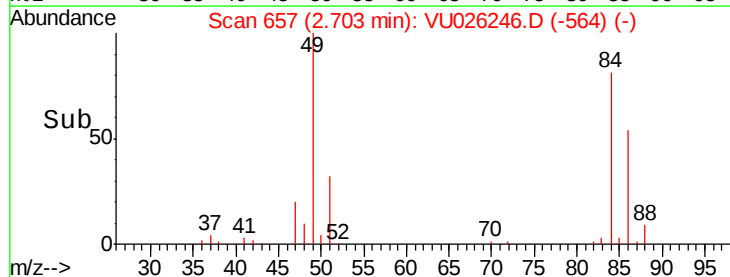
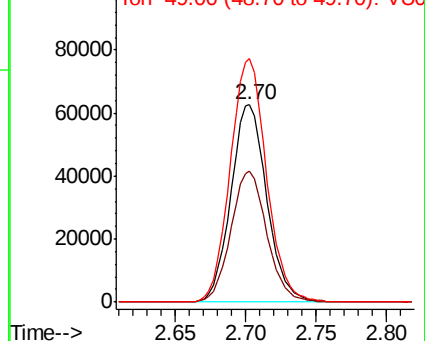
49 123.3 85.3 158.5

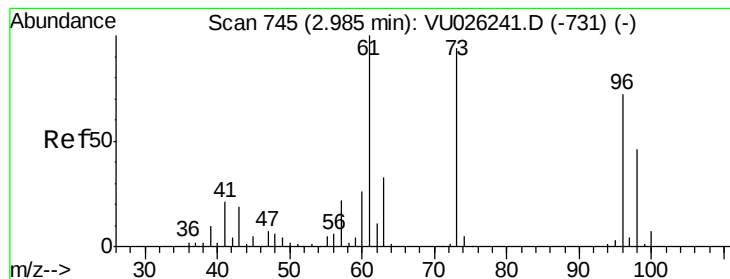


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 53.469 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

Instrument :

MSVOA_U

ClientSampled :

VICV46

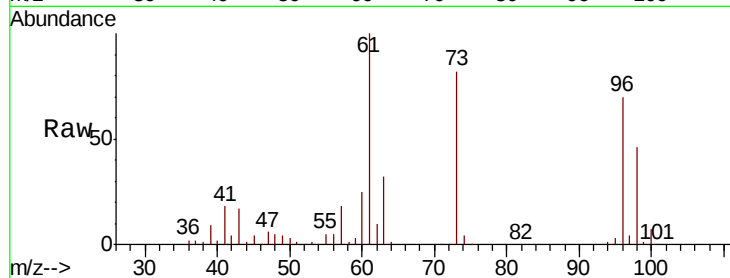
Tgt Ion: 96 Resp: 105548

Ion Ratio Lower Upper

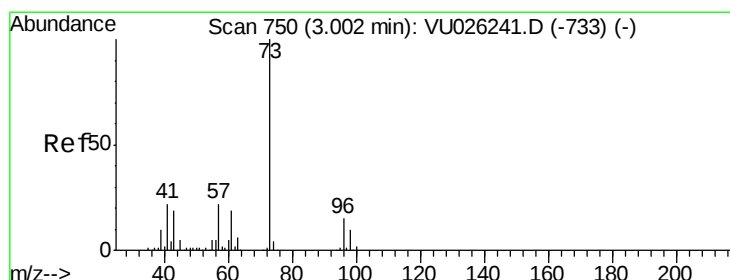
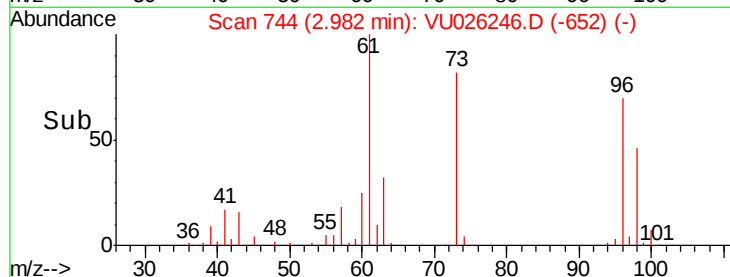
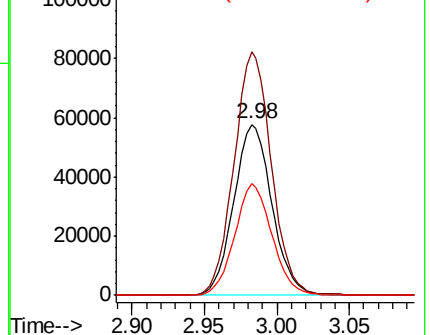
96 100

61 142.3 97.9 181.9

98 65.3 45.1 83.7



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: 54.961 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

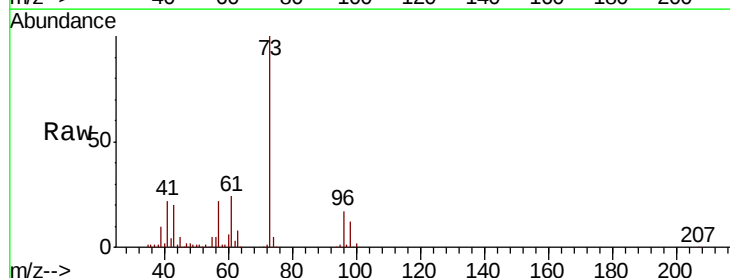
Tgt Ion: 73 Resp: 325023

Ion Ratio Lower Upper

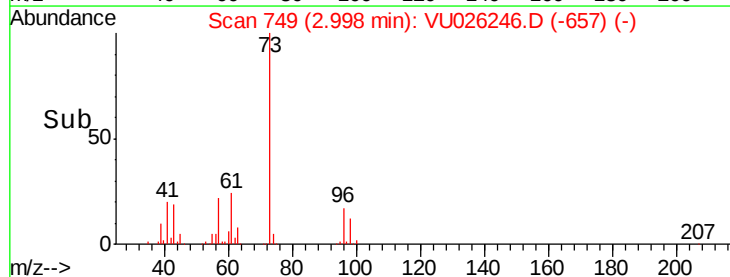
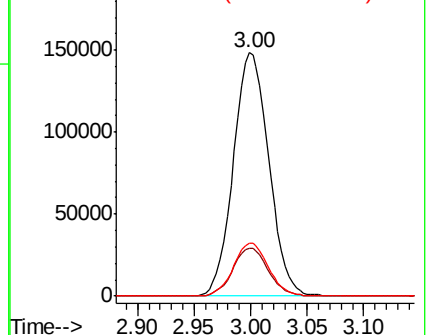
73 100

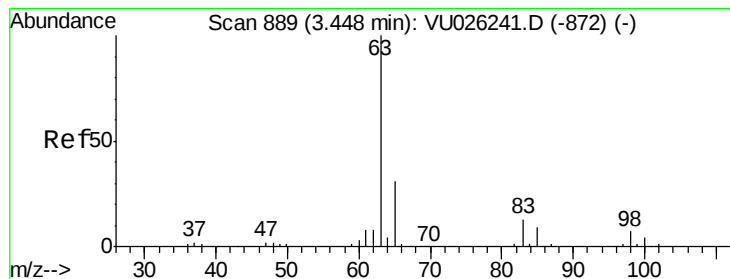
43 19.9 15.7 23.5

57 21.5 17.5 26.3



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: 54.093 ug/L

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

Instrument :

MSVOA_U

ClientSampleId :

VICV46

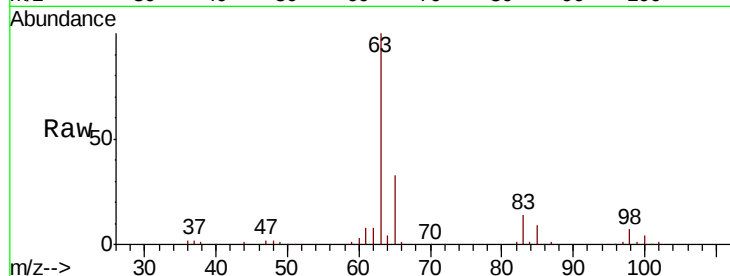
Tgt Ion: 63 Resp: 194453

Ion Ratio Lower Upper

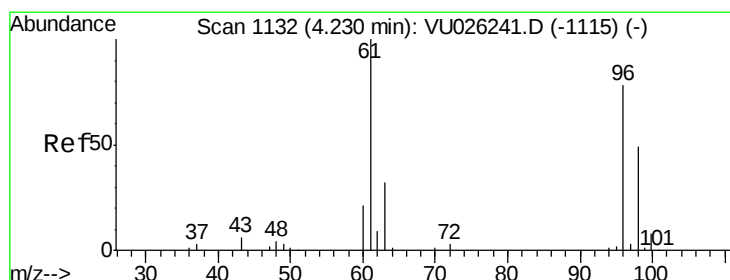
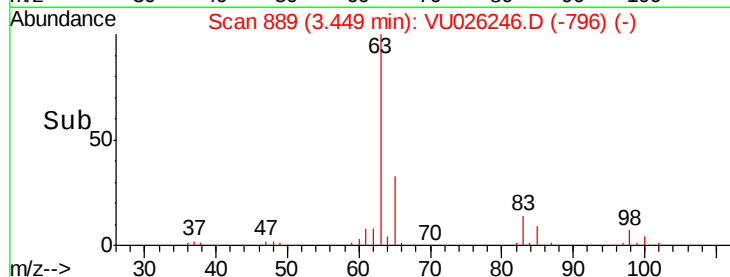
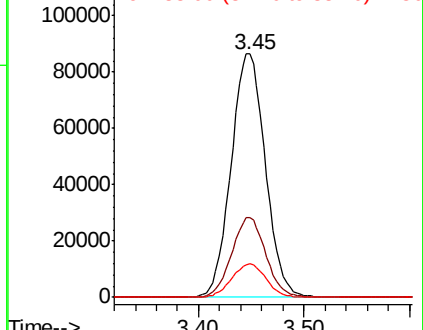
63 100

65 32.9 21.4 39.8

83 13.8 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 54.089 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

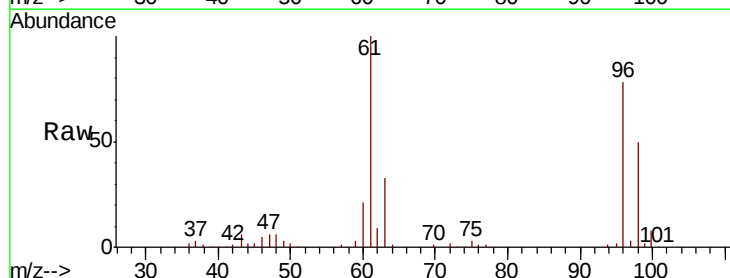
Tgt Ion: 96 Resp: 117857

Ion Ratio Lower Upper

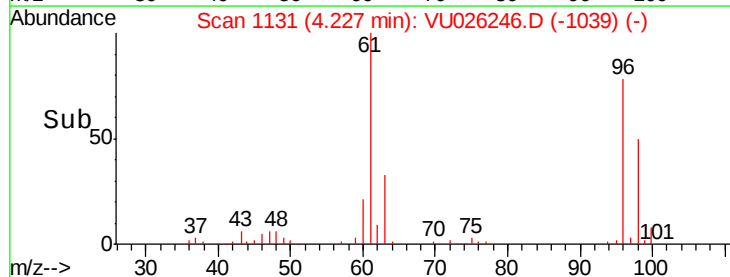
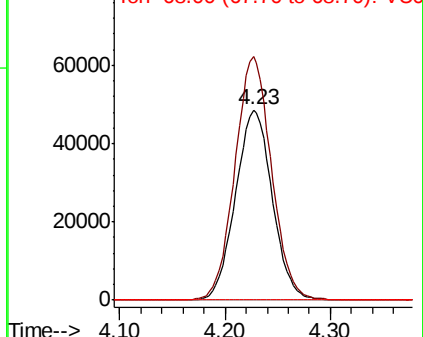
96 100

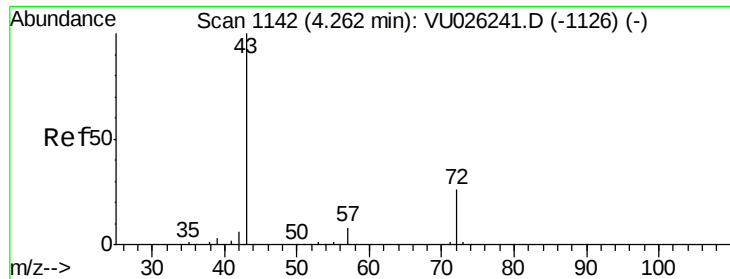
61 127.8 90.3 167.7

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 106.670 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

Instrument :

MSVOA_U

ClientSampleId :

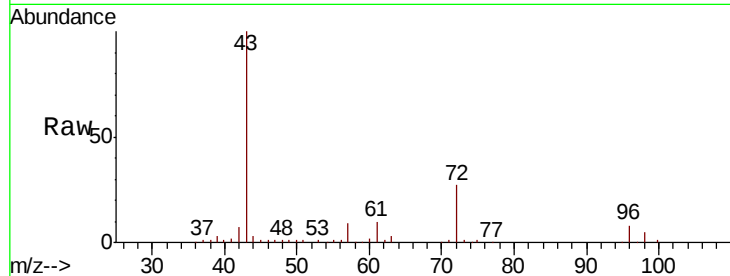
VICV46

Tgt Ion: 43 Resp: 163608

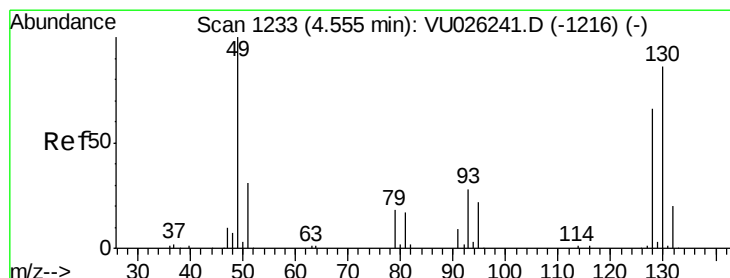
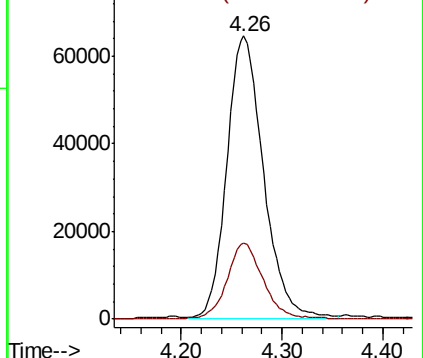
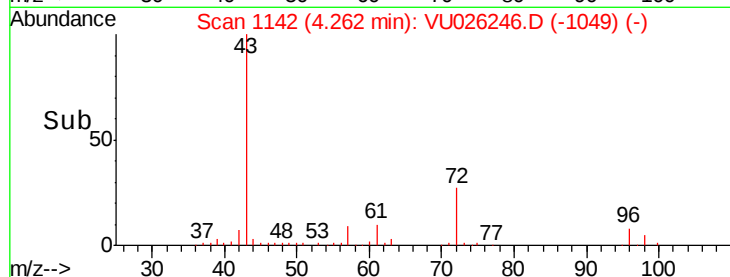
Ion Ratio Lower Upper

43 100

72 26.3 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU026246.D (-1049) (-)



#23

Bromochloromethane

Concen: 52.941 ug/L

RT: 4.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

Tgt Ion: 128 Resp: 61692

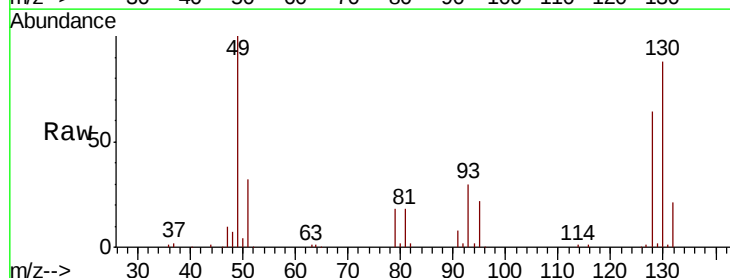
Ion Ratio Lower Upper

128 100

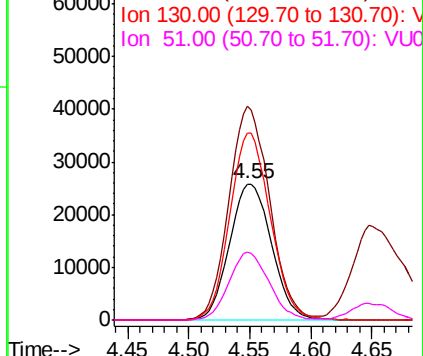
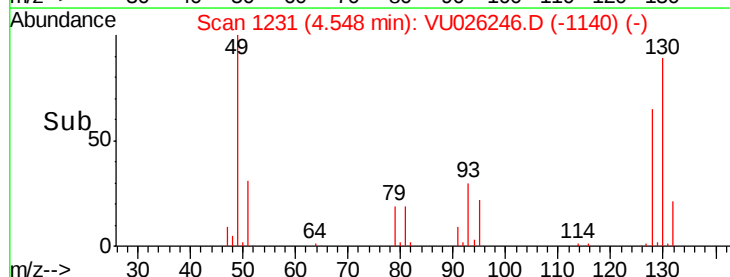
49 156.8 106.7 198.3

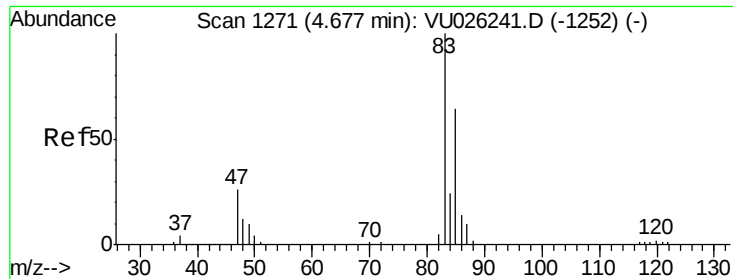
130 137.5 91.7 170.3

51 49.9 38.0 57.0



Abundance Ion 128.00 (127.70 to 128.70): VU026246.D (-1140) (-)

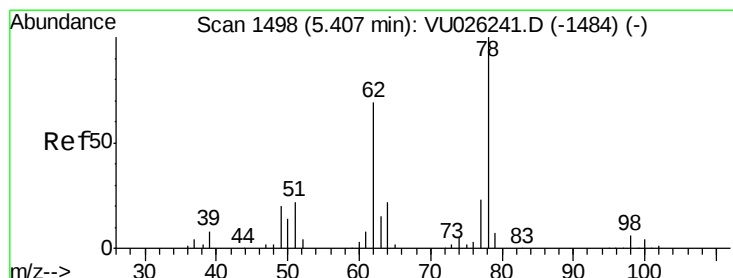
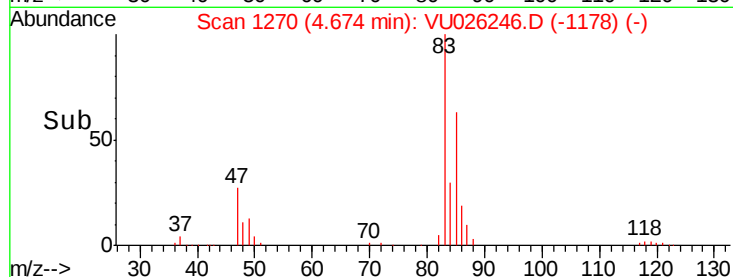
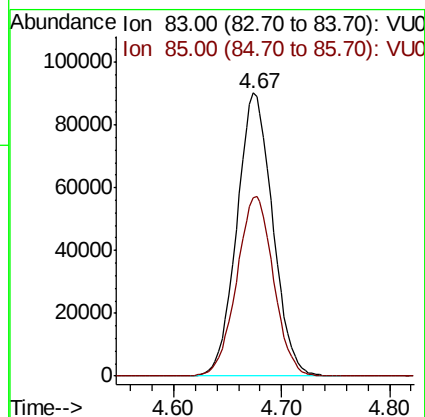
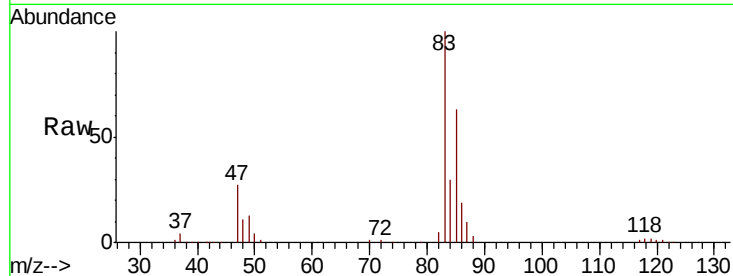




#25
Chloroform
Concen: 54.278 ug/L
RT: 4.67 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU026246.D
Acq: 22 Aug 2018 14:31

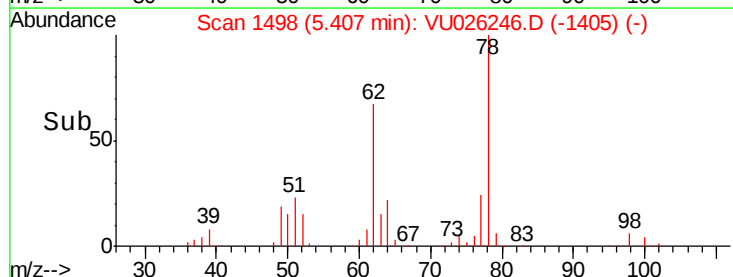
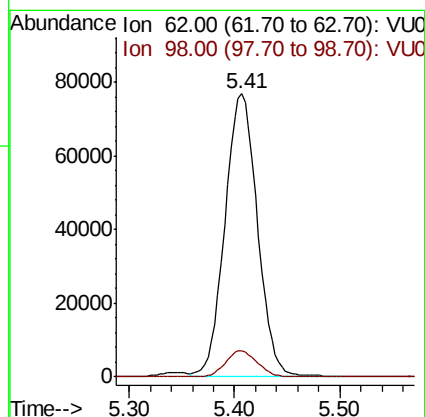
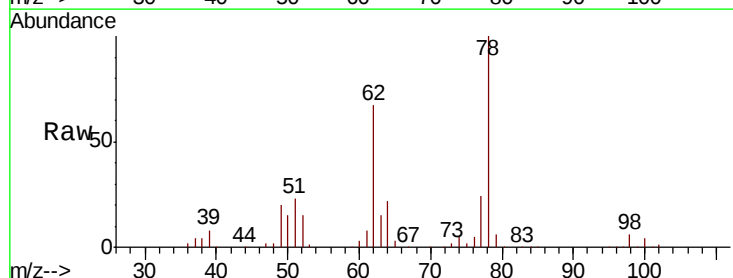
Instrument :
MSVOA_U
ClientSampleId :
VICV46

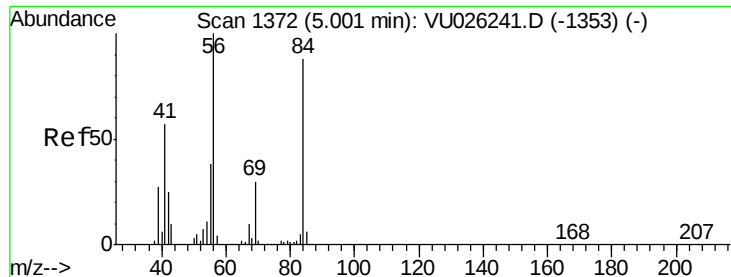
Tgt Ion: 83 Resp: 208296
Ion Ratio Lower Upper
83 100
85 63.1 45.0 83.6



#27
1,2-Dichloroethane
Concen: 53.826 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU026246.D
Acq: 22 Aug 2018 14:31

Tgt Ion: 62 Resp: 164546
Ion Ratio Lower Upper
62 100
98 9.0 7.2 10.8

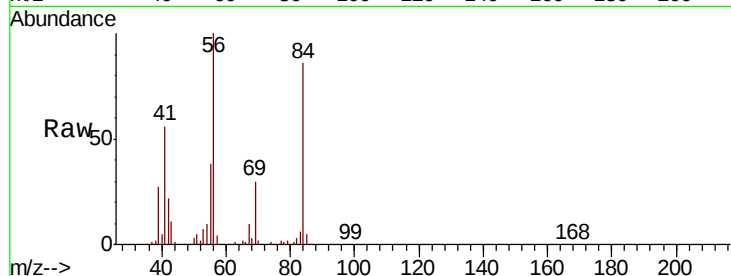




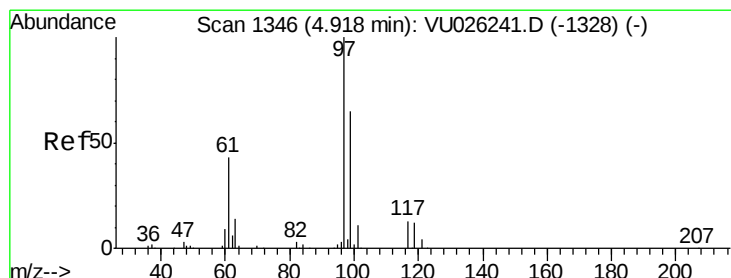
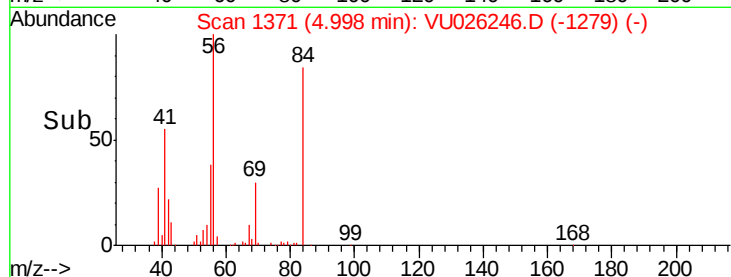
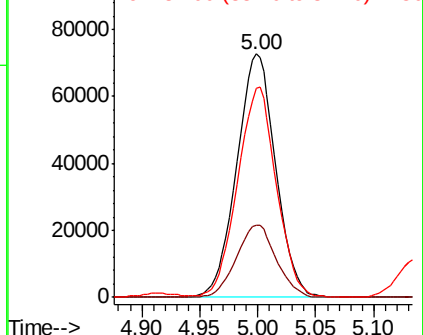
#29
Cyclohexane
Concen: 56.342 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU026246.D
Acq: 22 Aug 2018 14:31

Instrument :
MSVOA_U
ClientSampleId :
VICV46

Tgt Ion: 56 Resp: 169200
Ion Ratio Lower Upper
56 100
69 30.3 24.6 37.0
84 86.4 70.1 105.1

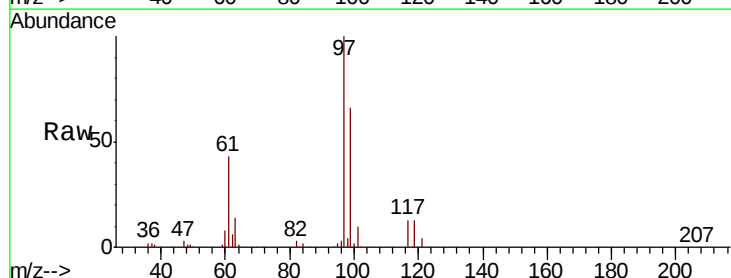


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

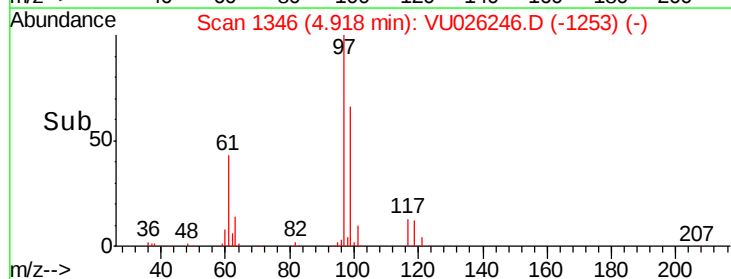
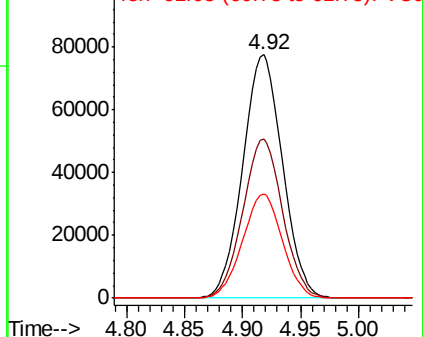


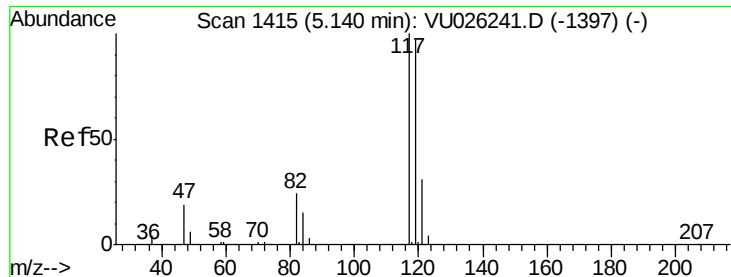
#30
1,1,1-Trichloroethane
Concen: 54.511 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU026246.D
Acq: 22 Aug 2018 14:31

Tgt Ion: 97 Resp: 185464
Ion Ratio Lower Upper
97 100
99 65.2 52.0 78.0
61 42.8 34.2 51.4



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

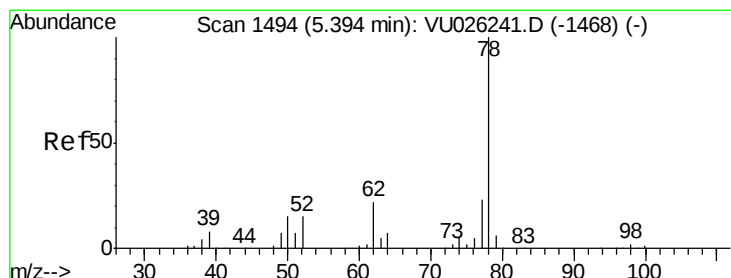
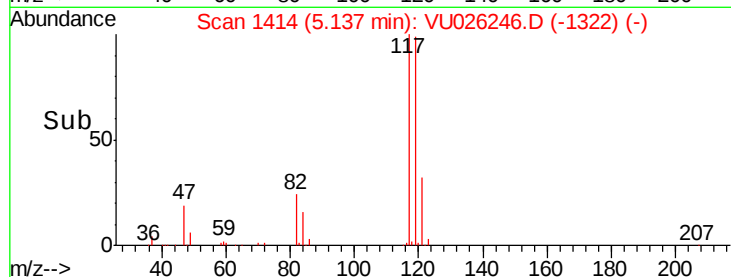
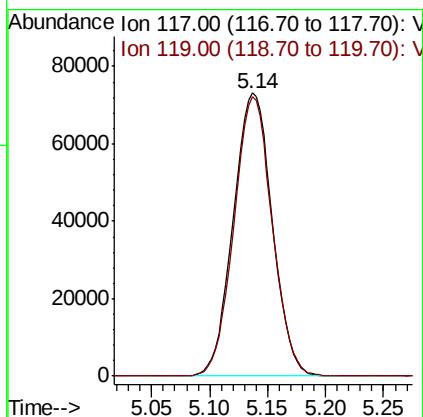
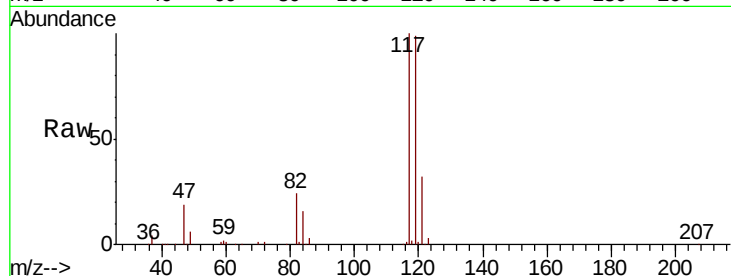




#31
Carbon tetrachloride
Concen: 53.324 ug/L
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU026246.D
Acq: 22 Aug 2018 14:31

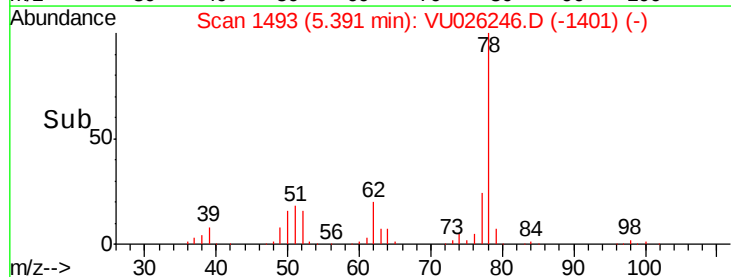
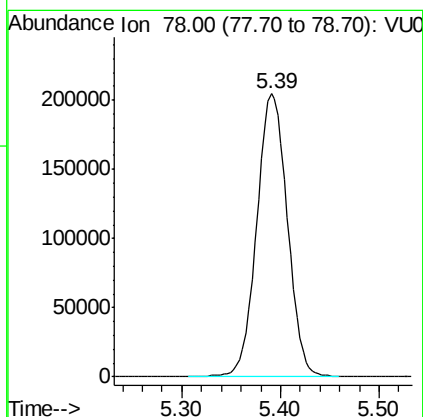
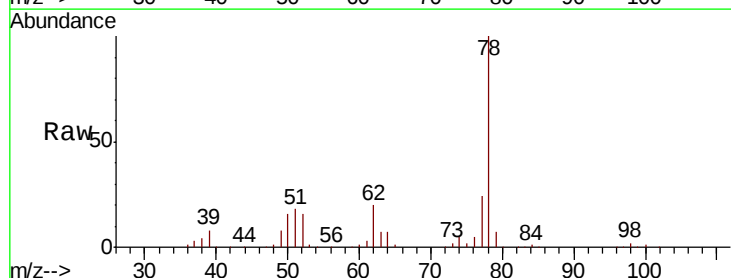
Instrument :
MSVOA_U
ClientSampleId :
VICV46

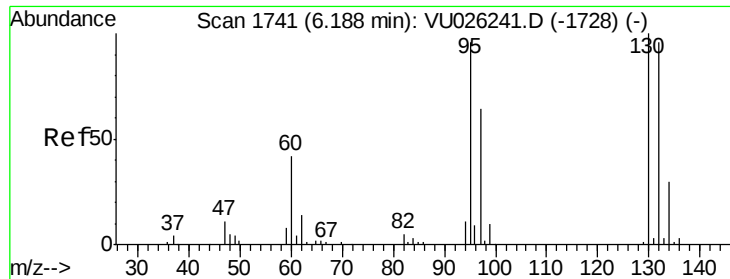
Tgt Ion:117 Resp: 170569
Ion Ratio Lower Upper
117 100
119 97.0 77.2 115.8



#33
Benzene
Concen: 54.871 ug/L
RT: 5.39 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VU026246.D
Acq: 22 Aug 2018 14:31

Tgt Ion: 78 Resp: 438051

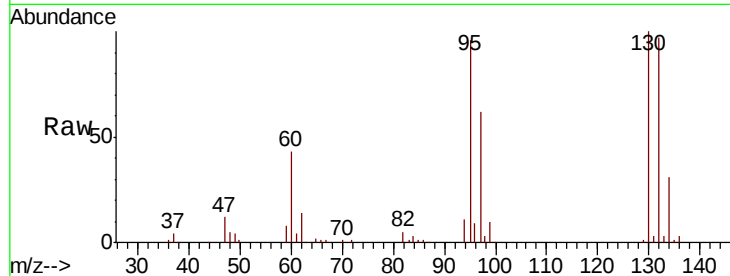




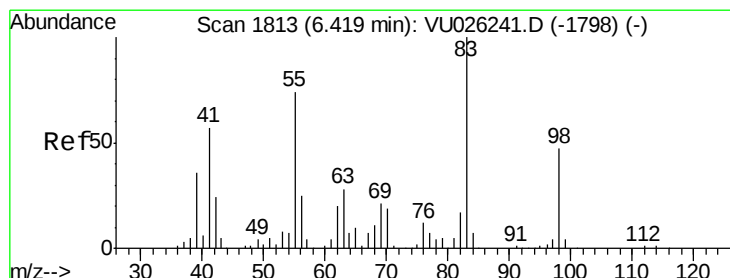
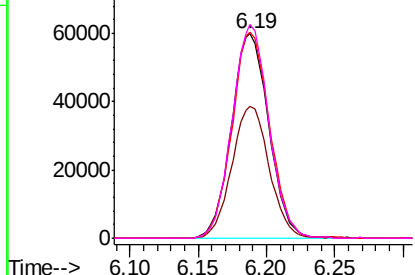
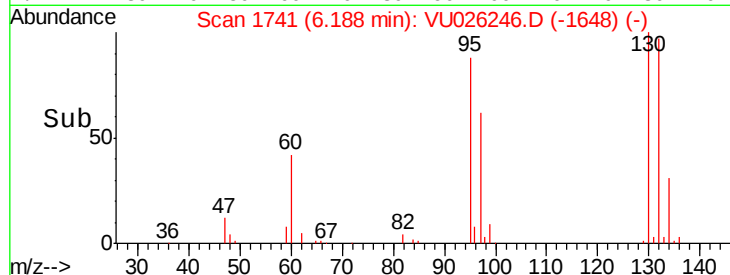
#34
 Trichloroethene
 Concen: 53.987 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU026246.D
 Acq: 22 Aug 2018 14:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV46

Tgt Ion: 95 Resp: 113968
 Ion Ratio Lower Upper
 95 100
 97 64.8 47.2 87.6
 132 101.2 70.2 130.4
 130 104.6 73.4 136.4

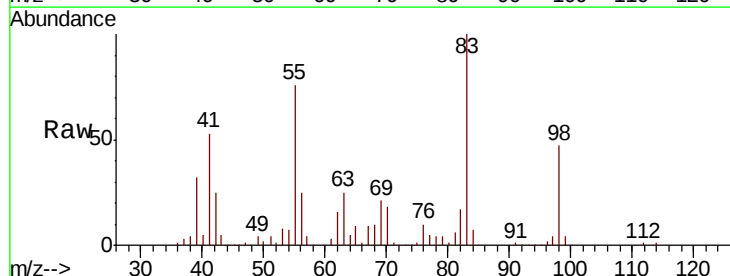


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

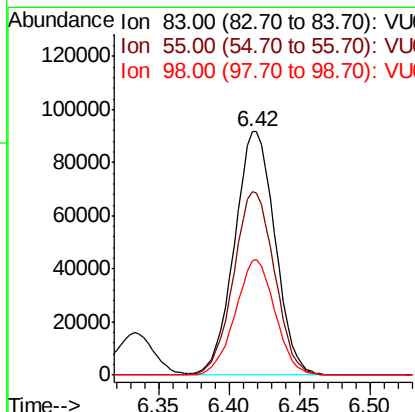
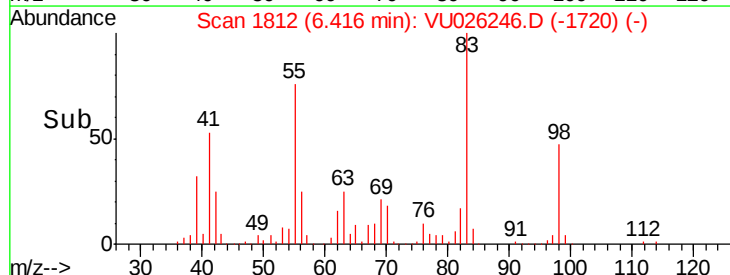


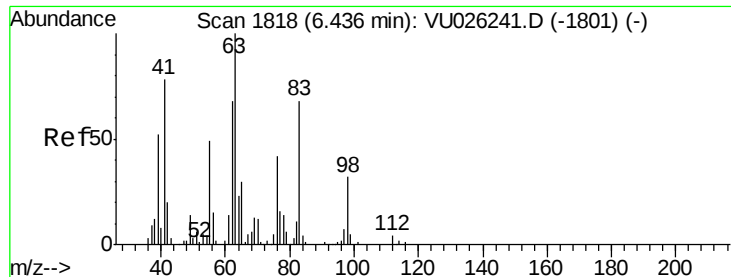
#35
 Methylcyclohexane
 Concen: 57.209 ug/L
 RT: 6.42 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VU026246.D
 Acq: 22 Aug 2018 14:31

Tgt Ion: 83 Resp: 184678
 Ion Ratio Lower Upper
 83 100
 55 76.1 60.6 91.0
 98 46.2 36.8 55.2



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: 54.182 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

Instrument :

MSVOA_U

ClientSampleId :

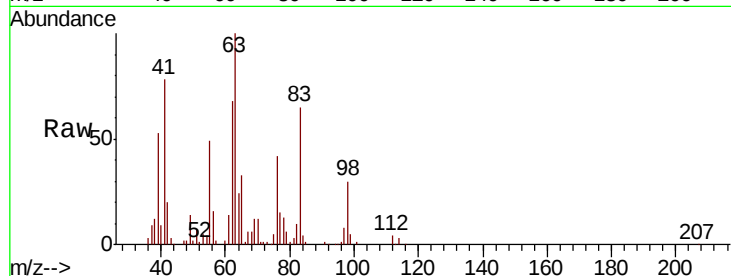
VICV46

Tgt Ion: 63 Resp: 118213

Ion Ratio Lower Upper

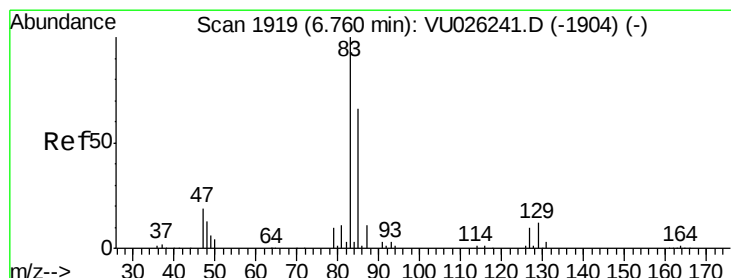
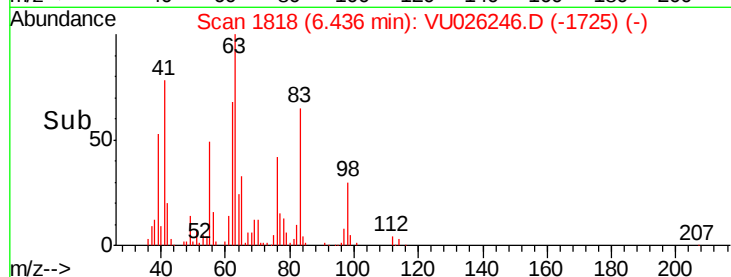
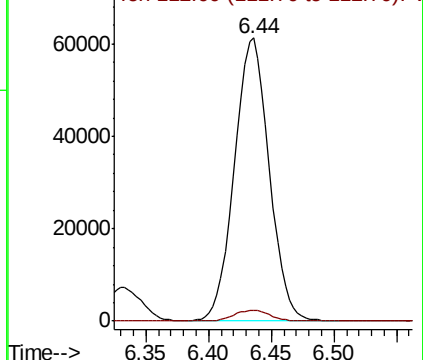
63 100

112 4.0 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 53.969 ug/L

RT: 6.76 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

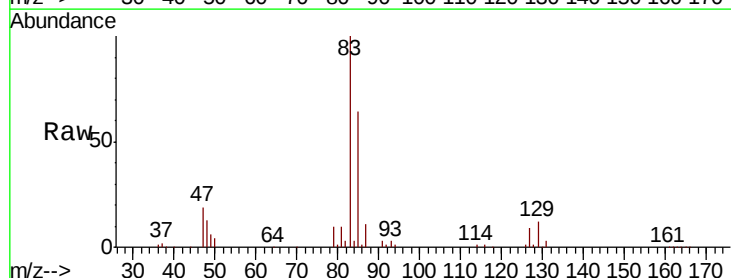
Tgt Ion: 83 Resp: 157450

Ion Ratio Lower Upper

83 100

85 63.6 46.3 86.1

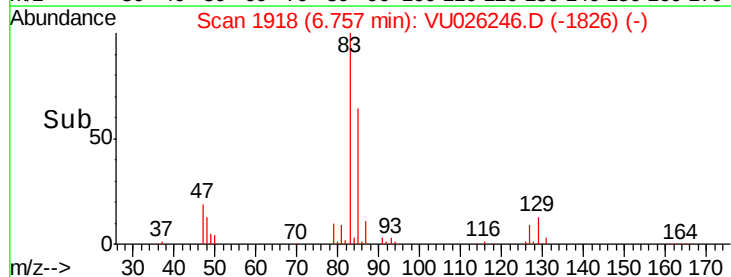
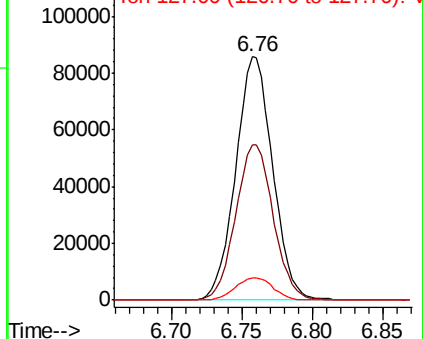
127 9.1 7.8 11.6

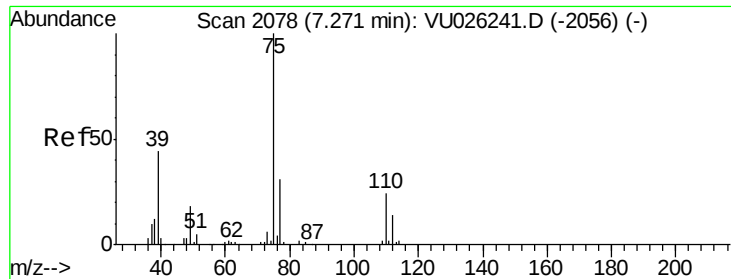


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

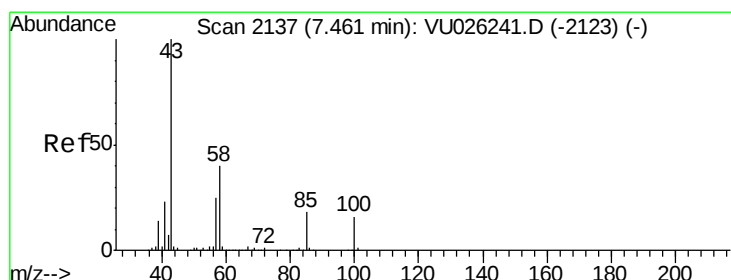
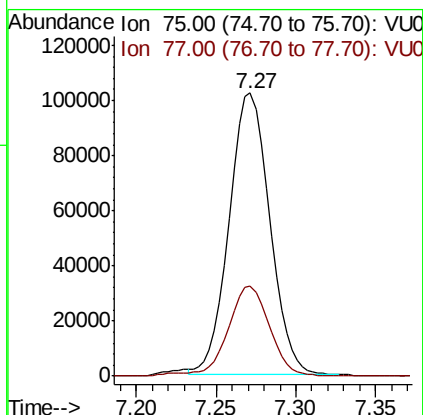
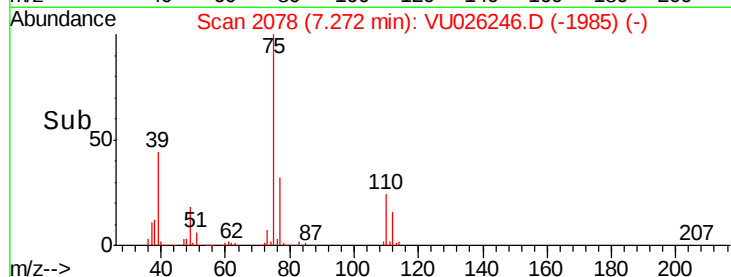
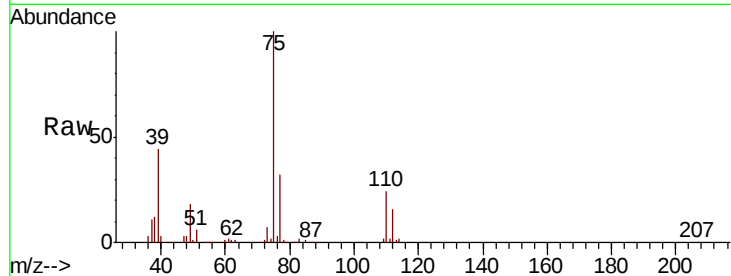




#39
 cis-1,3-Dichloropropene
 Concen: 53.568 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026246.D
 Acq: 22 Aug 2018 14:31

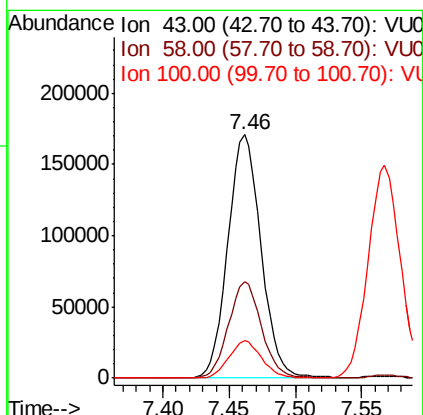
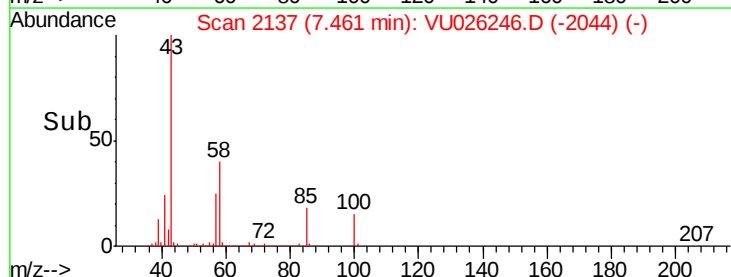
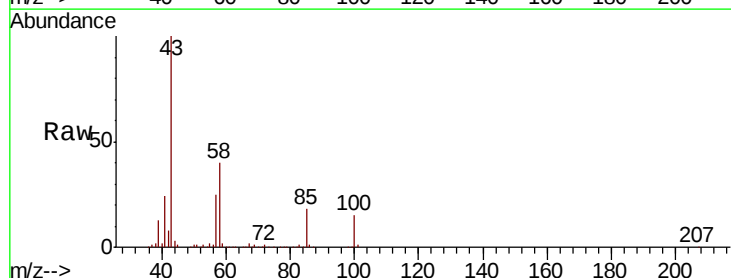
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV46

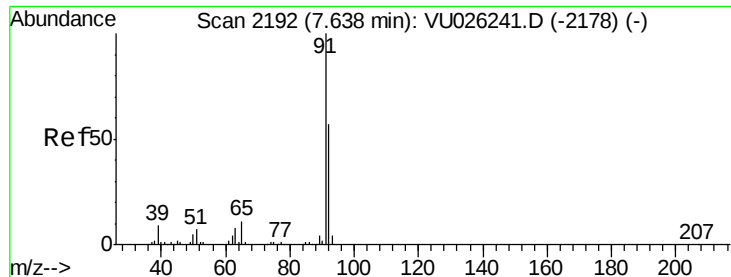
Tgt Ion: 75 Resp: 177526
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 107.709 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU026246.D
 Acq: 22 Aug 2018 14:31

Tgt Ion: 43 Resp: 297832
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.6 47.4
 100 15.1 12.3 18.5





#42

Toluene

Concen: 55.449 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

Instrument :

MSVOA_U

ClientSampleId :

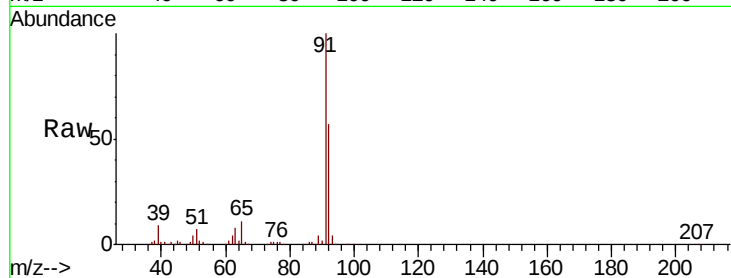
VICV46

Tgt Ion: 91 Resp: 471009

Ion Ratio Lower Upper

91 100

92 56.9 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

300000

250000

200000

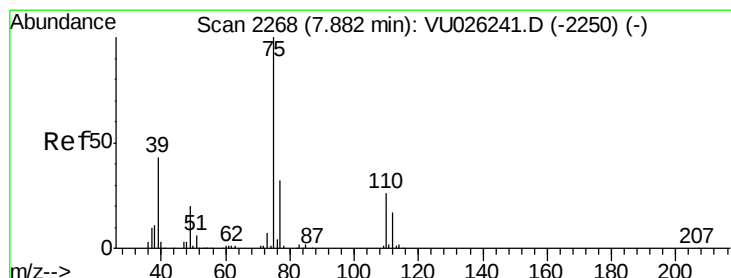
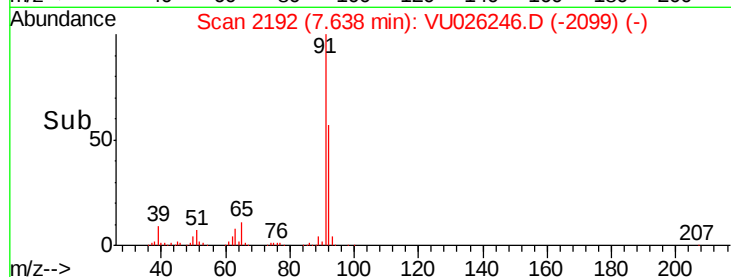
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#44

trans-1,3-Dichloropropene

Concen: 55.684 ug/L

RT: 7.88 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VU026246.D

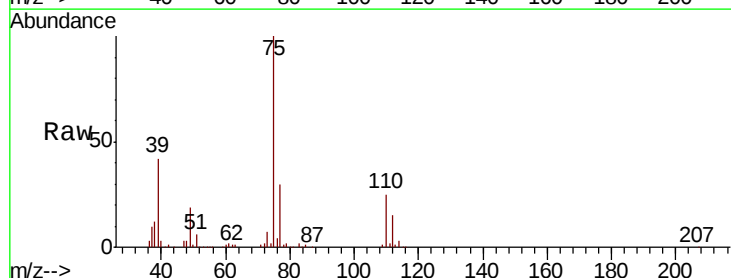
Acq: 22 Aug 2018 14:31

Tgt Ion: 75 Resp: 177562

Ion Ratio Lower Upper

75 100

77 30.0 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.88

120000

100000

80000

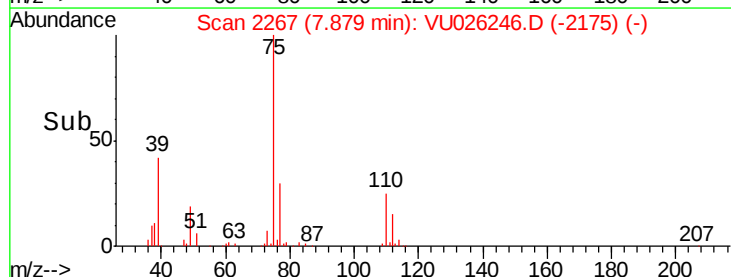
60000

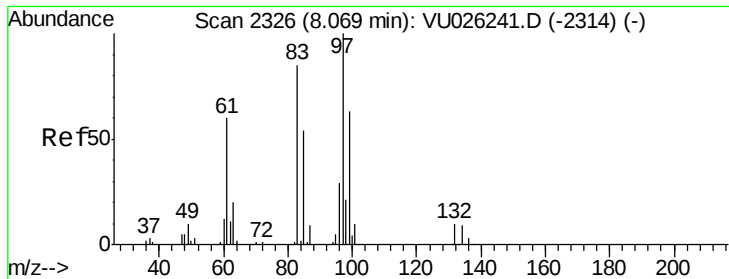
40000

20000

0

Time--> 7.80 7.85 7.90 7.95 8.00

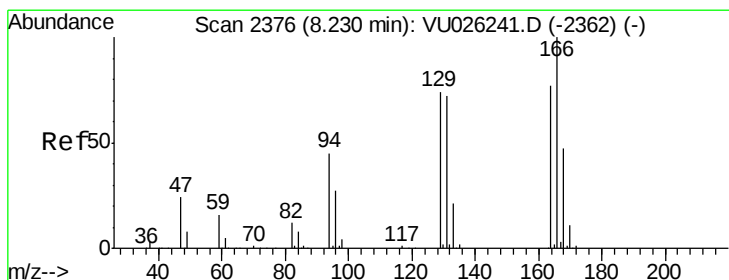
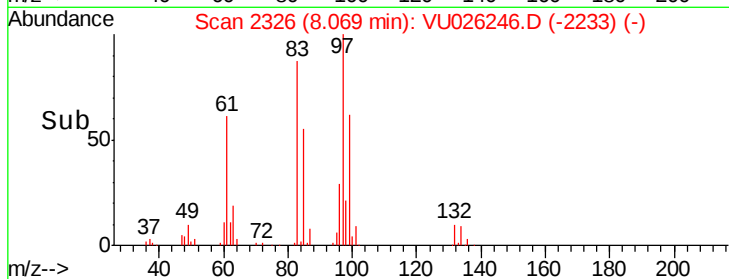
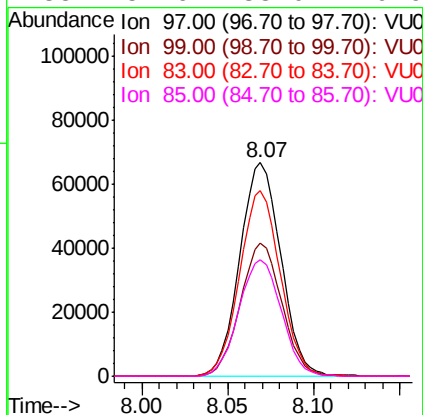
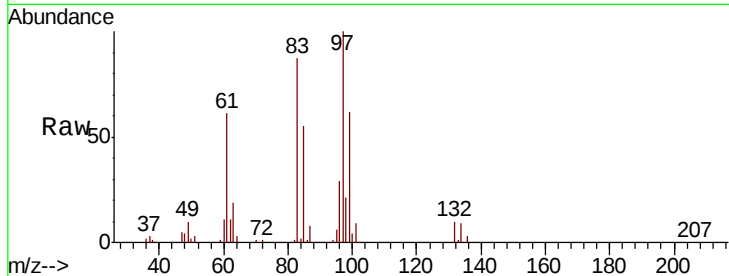




#45
 1,1,2-Trichloroethane
 Concen: 54.023 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU026246.D
 Acq: 22 Aug 2018 14:31

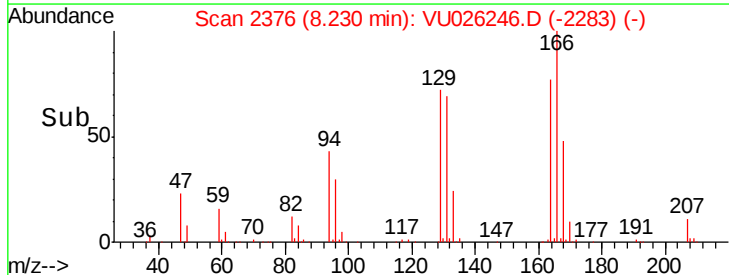
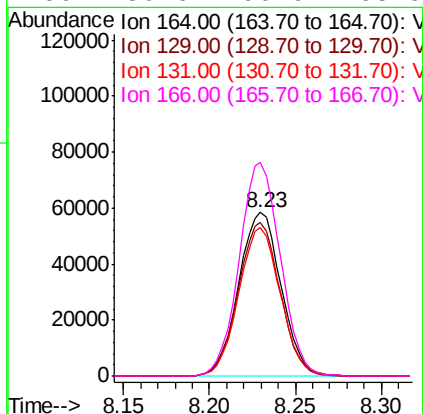
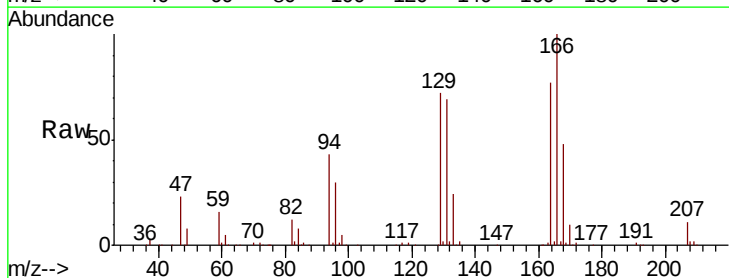
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV46

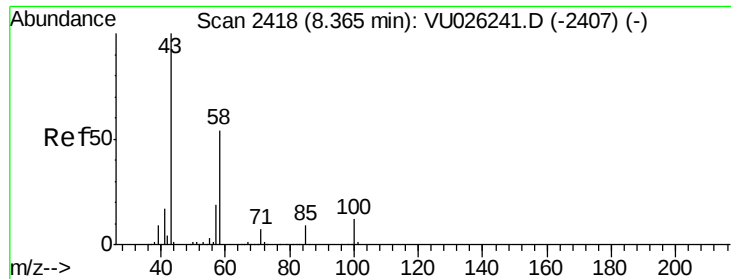
Tgt Ion:	97	Resp:	111344
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.0	81.6
83	86.9	59.2	110.0
85	54.6	38.0	70.6



#46
 Tetrachloroethene
 Concen: 55.292 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU026246.D
 Acq: 22 Aug 2018 14:31

Tgt Ion:	164	Resp:	100436
Ion	Ratio	Lower	Upper
164	100		
129	93.9	67.3	124.9
131	90.8	65.5	121.7
166	130.6	90.9	168.9

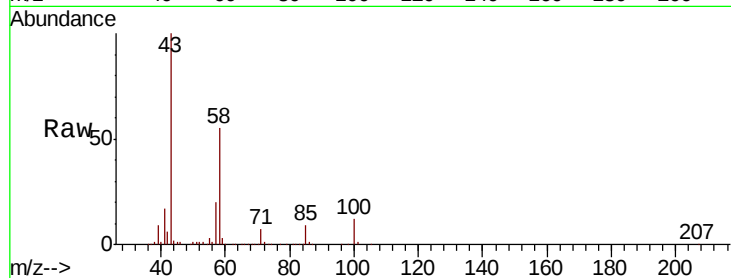




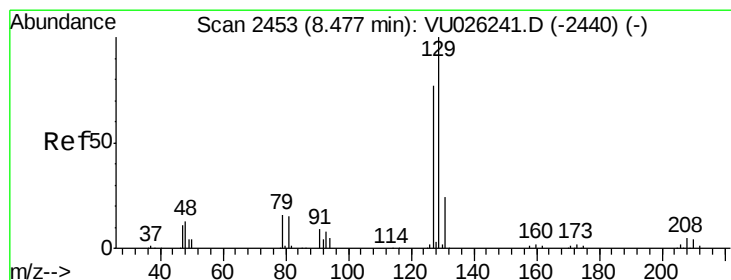
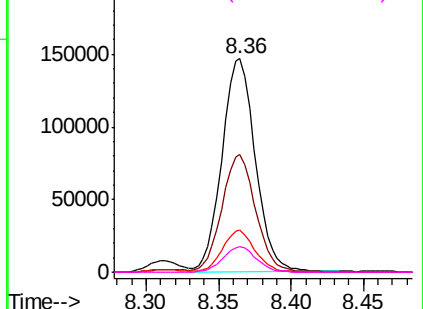
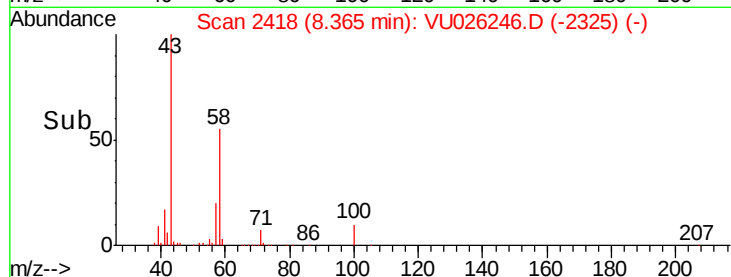
#48
2-Hexanone
Concen: 105.241 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU026246.D
Acq: 22 Aug 2018 14:31

Instrument :
MSVOA_U
ClientSampleId :
VICV46

Tgt Ion:	43	Resp:	234198
Ion	Ratio	Lower	Upper
43	100		
58	55.3	42.6	63.8
57	19.5	15.1	22.7
100	12.1	9.5	14.3

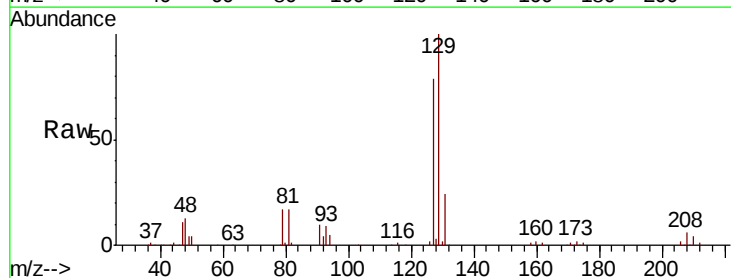


Abundance Ion 43.00 (42.70 to 43.70): VU026246.D (-2325) (-)
Ion 58.00 (57.70 to 58.70): VU026246.D (-2325) (-)
Ion 57.00 (56.70 to 57.70): VU026246.D (-2325) (-)
Ion 100.00 (99.70 to 100.70): VU026246.D (-2325) (-)

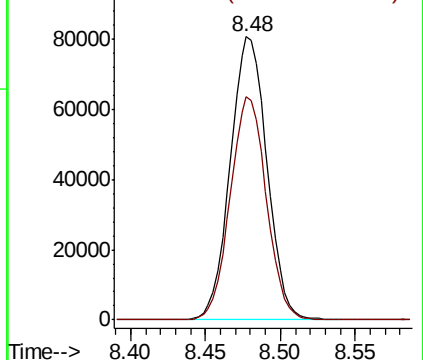
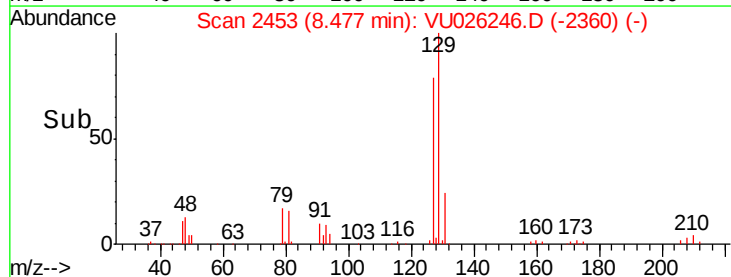


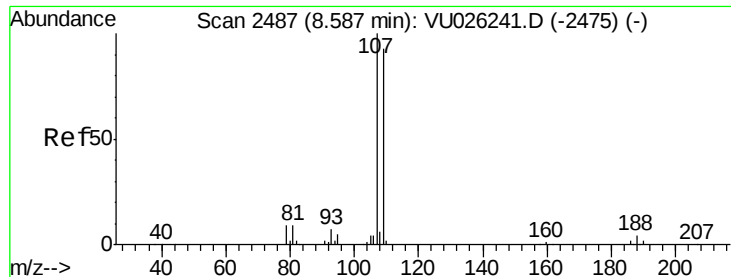
#49
Dibromochloromethane
Concen: 54.449 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. 0.00 min
Lab File: VU026246.D
Acq: 22 Aug 2018 14:31

Tgt Ion:	129	Resp:	137919
Ion	Ratio	Lower	Upper
129	100		
127	78.9	53.8	100.0



Abundance Ion 129.00 (128.70 to 129.70): VU026246.D (-2360) (-)
Ion 127.00 (126.70 to 127.70): VU026246.D (-2360) (-)

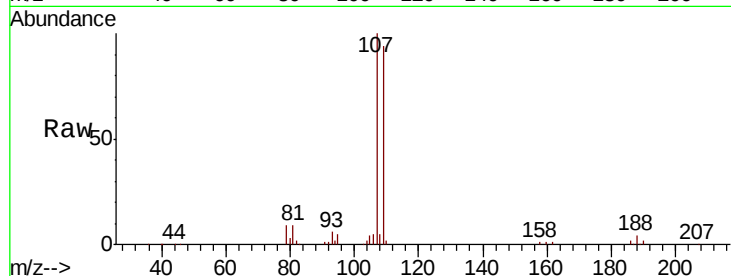




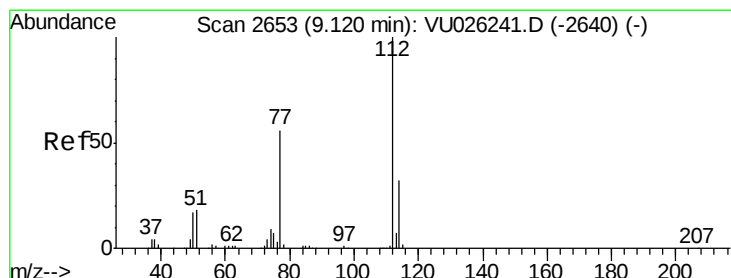
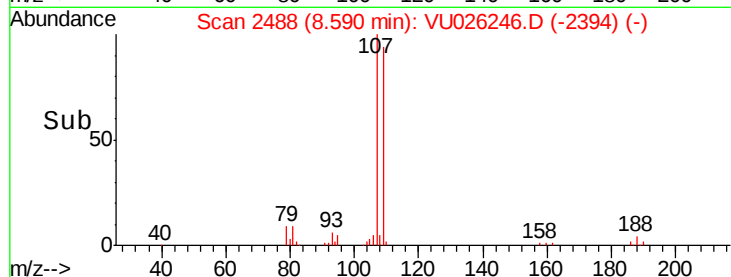
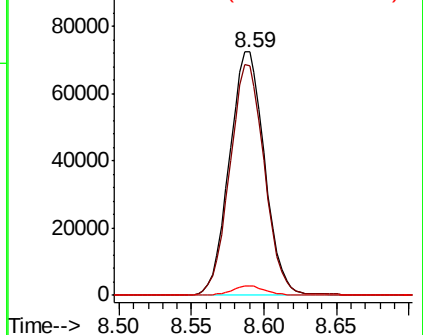
#50
 1,2-Dibromoethane
 Concen: 53.798 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU026246.D
 Acq: 22 Aug 2018 14:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV46

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.3	65.2	121.0
188	4.0	3.4	5.2

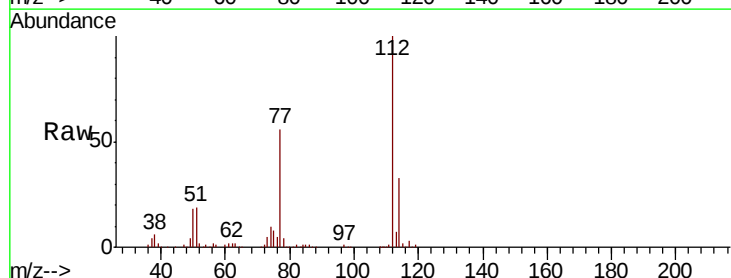


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

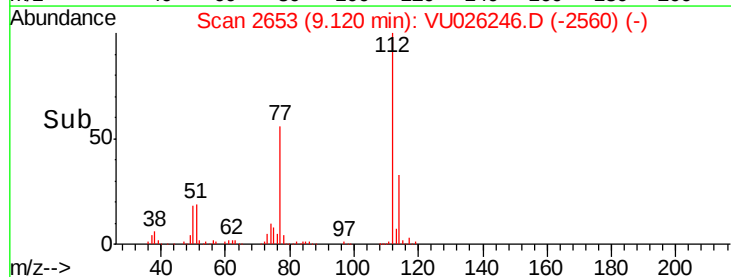
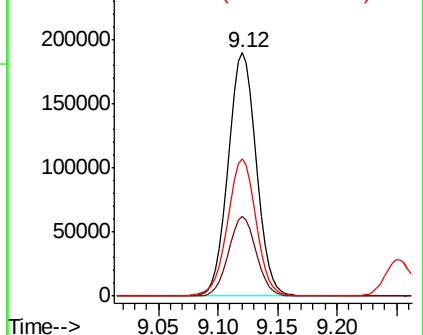


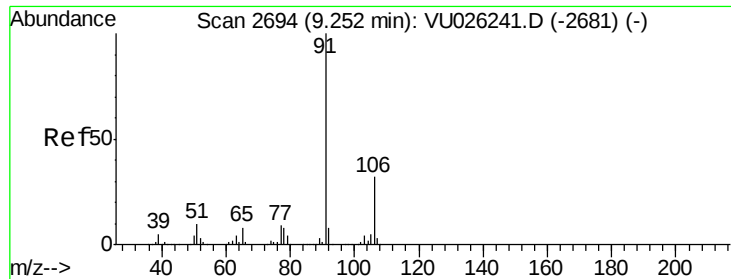
#51
 Chlorobenzene
 Concen: 53.466 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU026246.D
 Acq: 22 Aug 2018 14:31

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.5	41.9
77	56.4	45.4	68.2



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 56.340 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

Instrument :

MSVOA_U

ClientSampleId :

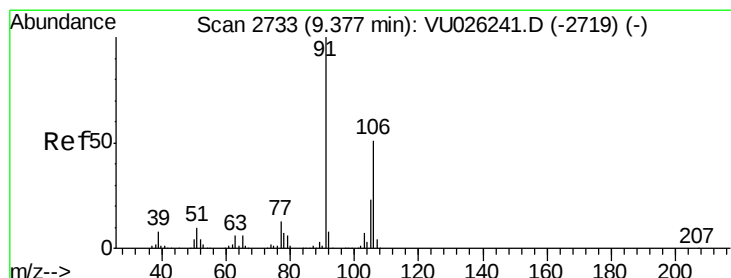
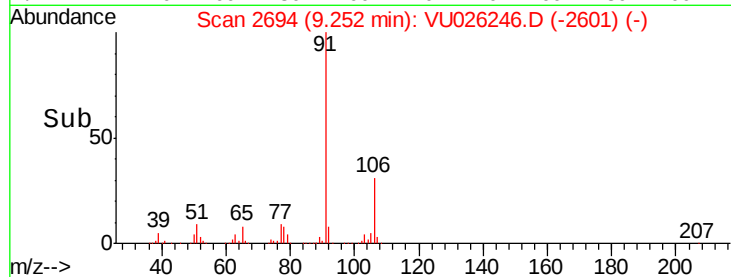
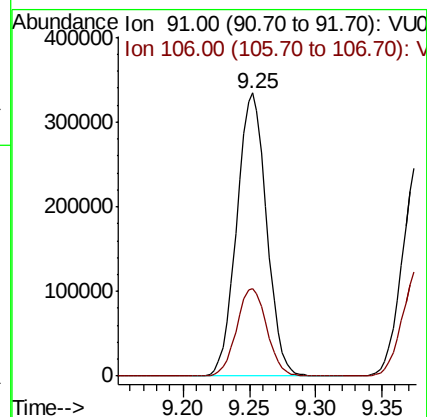
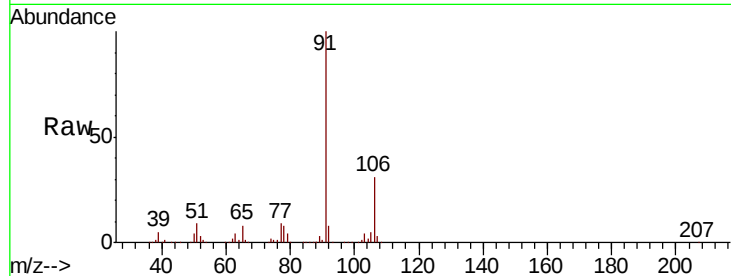
VICV46

Tgt Ion: 91 Resp: 521277

Ion Ratio Lower Upper

91 100

106 31.1 22.3 41.5



#53

m,p-Xylene

Concen: 57.097 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026246.D

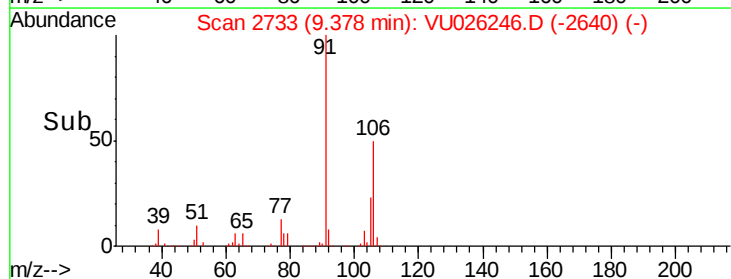
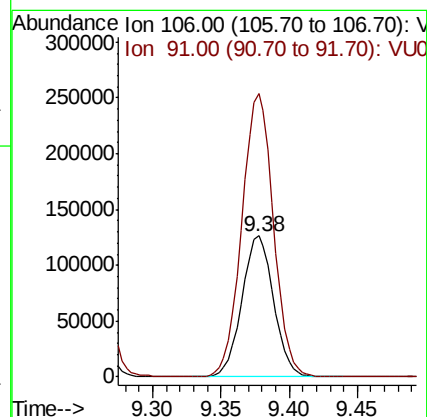
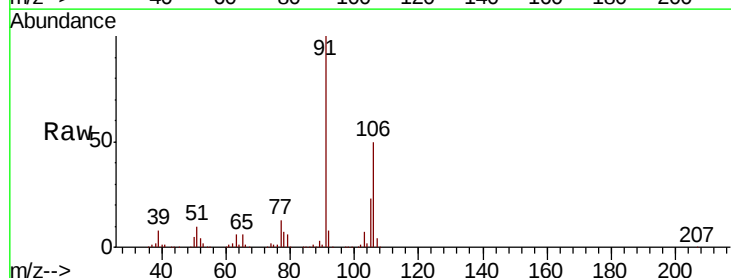
Acq: 22 Aug 2018 14:31

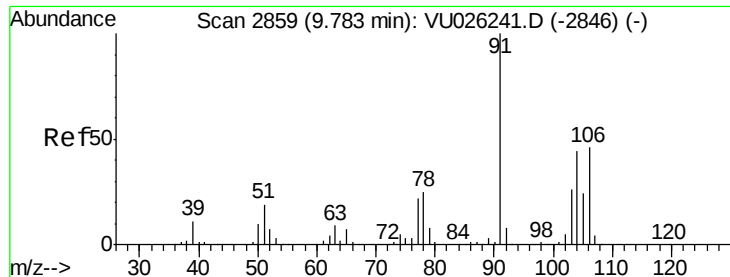
Tgt Ion: 106 Resp: 204184

Ion Ratio Lower Upper

106 100

91 200.4 136.6 253.8





#54

o-xylene

Concen: 55.833 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

Instrument :

MSVOA_U

ClientSampleId :

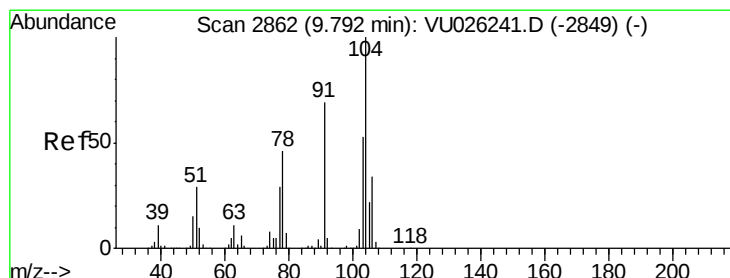
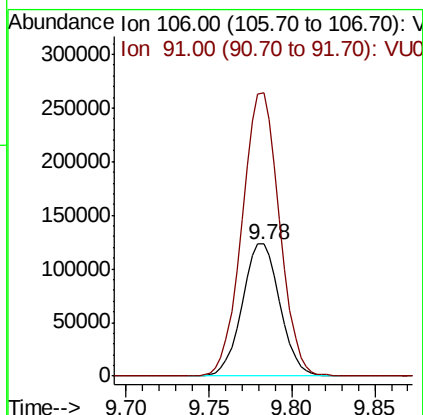
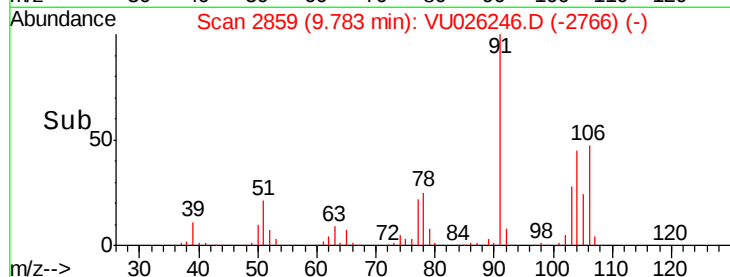
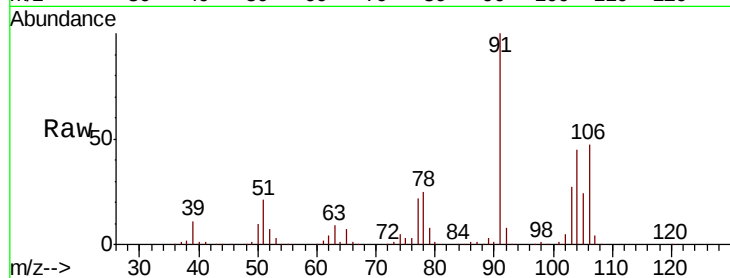
VICV46

Tgt Ion:106 Resp: 194755

Ion Ratio Lower Upper

106 100

91 214.4 151.2 280.8



#55

Styrene

Concen: 57.166 ug/L

RT: 9.79 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VU026246.D

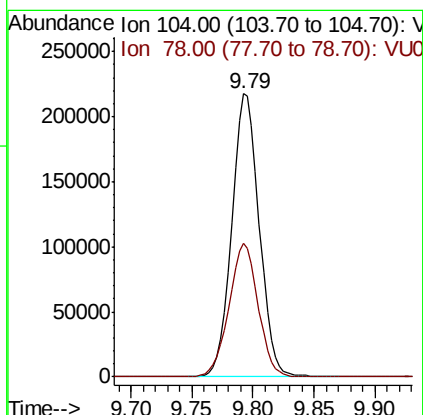
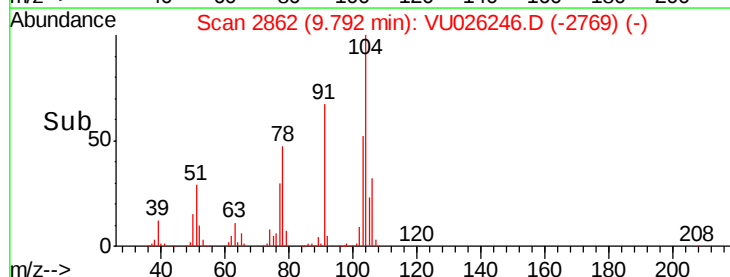
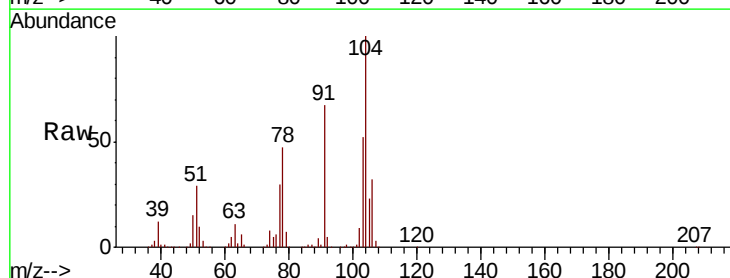
Acq: 22 Aug 2018 14:31

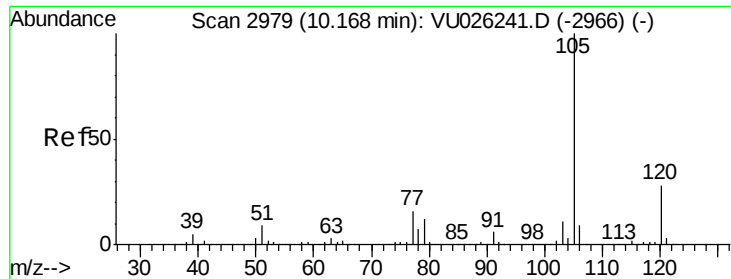
Tgt Ion:104 Resp: 340376

Ion Ratio Lower Upper

104 100

78 47.0 32.3 60.1





#56

Isopropylbenzene

Concen: 57.243 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

Instrument :

MSVOA_U

ClientSampleId :

VICV46

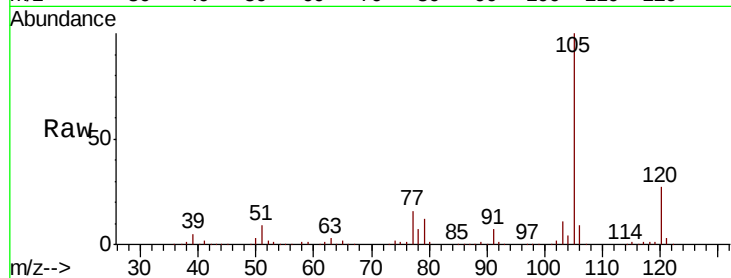
Tgt Ion: 105 Resp: 517991

Ion Ratio Lower Upper

105 100

120 26.8 21.9 32.9

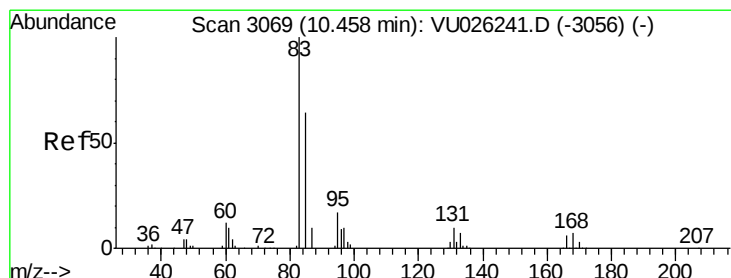
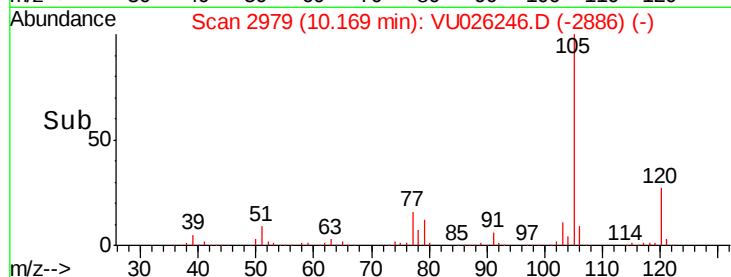
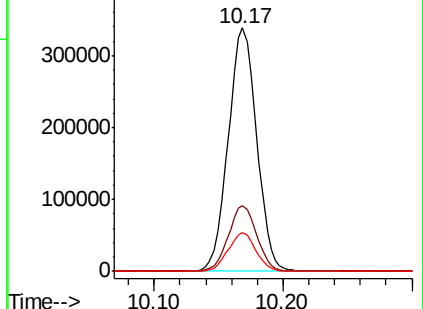
77 15.5 12.4 18.6



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: 52.586 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

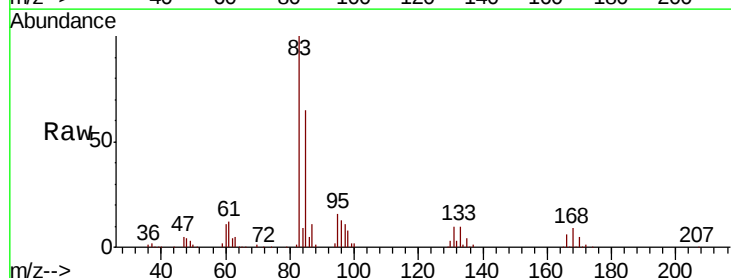
Tgt Ion: 83 Resp: 183435

Ion Ratio Lower Upper

83 100

85 64.7 44.9 83.3

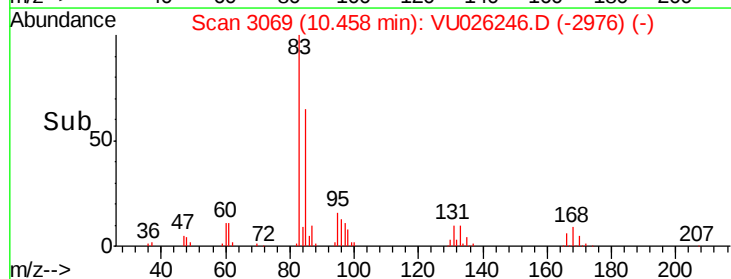
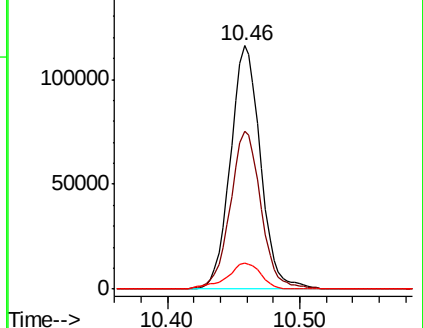
131 10.5 8.2 12.2

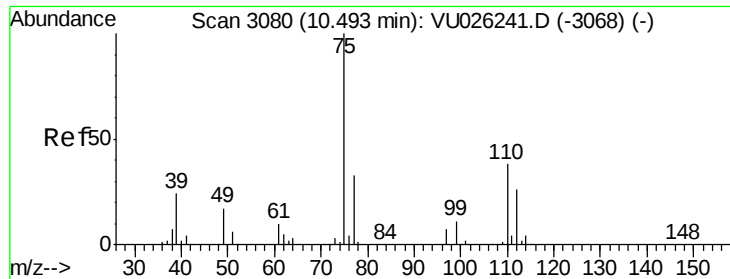


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.648 ug/L

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

Instrument :

MSVOA_U

ClientSampleId :

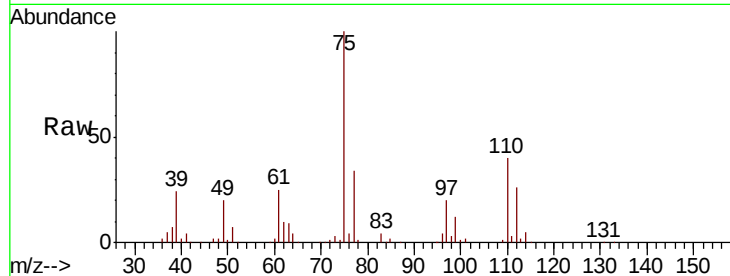
VICV46

Tgt Ion: 75 Resp: 143201

Ion Ratio Lower Upper

75 100

77 33.8 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.50

80000

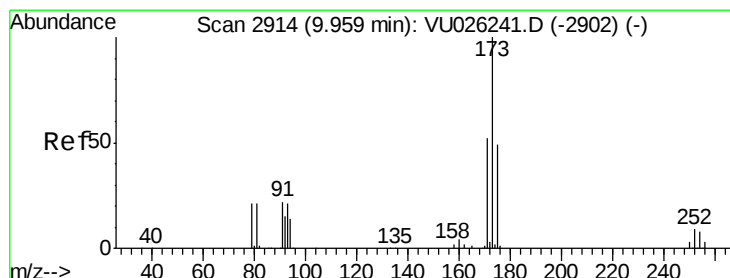
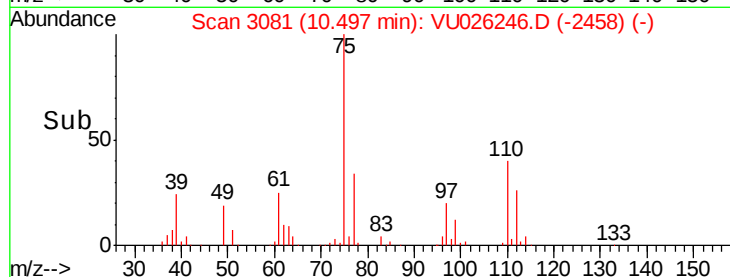
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 52.307 ug/L

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

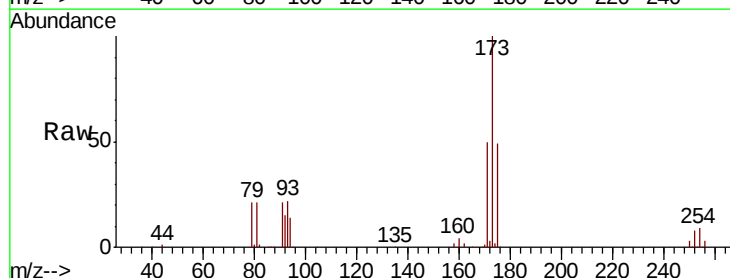
Tgt Ion: 173 Resp: 104494

Ion Ratio Lower Upper

173 100

175 48.7 39.4 59.2

254 8.6 7.0 10.4



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

9.96

80000

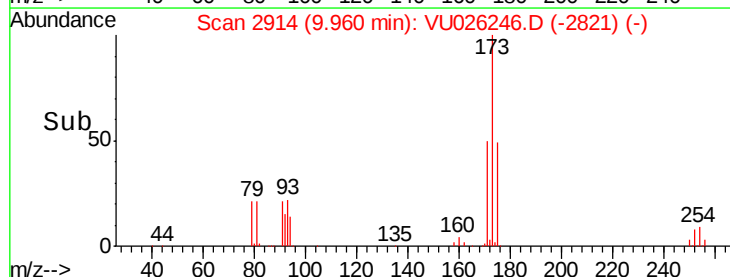
60000

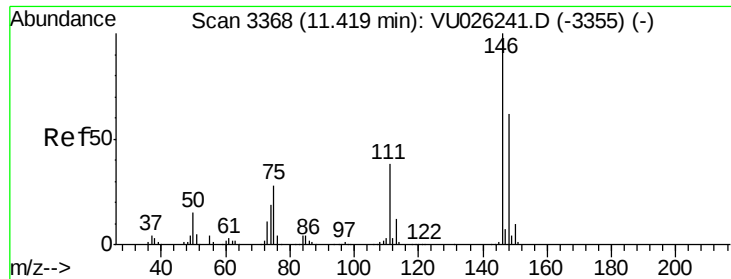
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 53.379 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

Instrument :

MSVOA_U

ClientSampleId :

VICV46

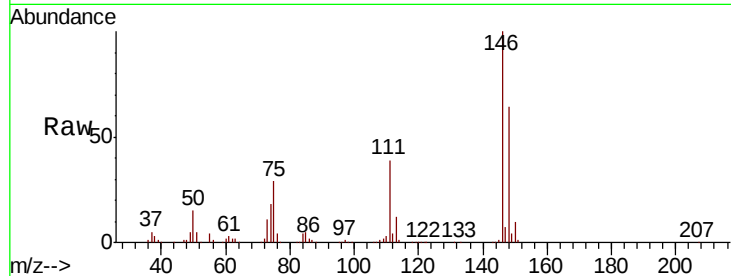
Tgt Ion:146 Resp: 253750

Ion Ratio Lower Upper

146 100

111 38.6 26.9 50.1

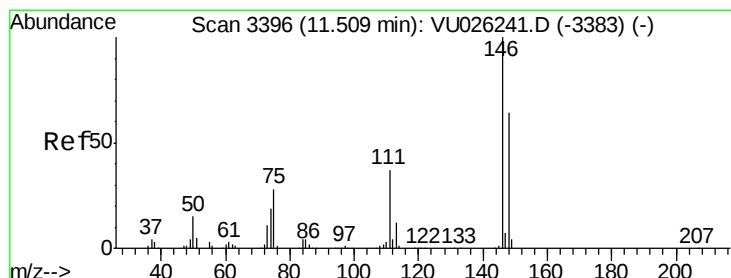
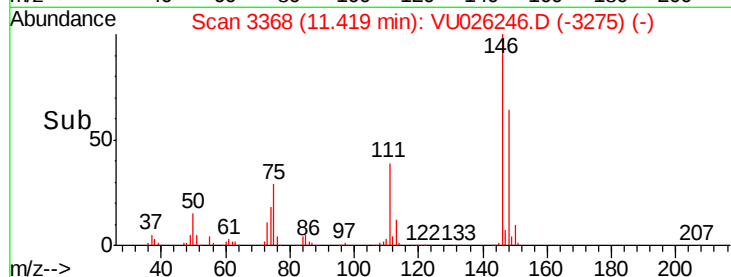
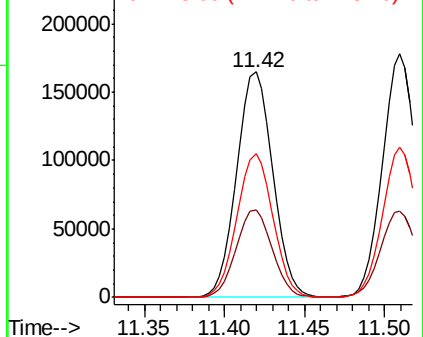
148 63.6 43.7 81.1



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: 53.338 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

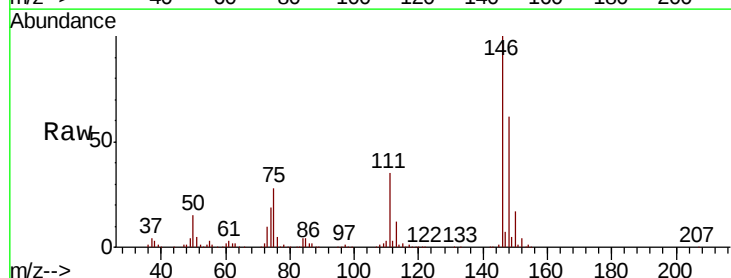
Tgt Ion:146 Resp: 267915

Ion Ratio Lower Upper

146 100

111 35.5 25.9 48.1

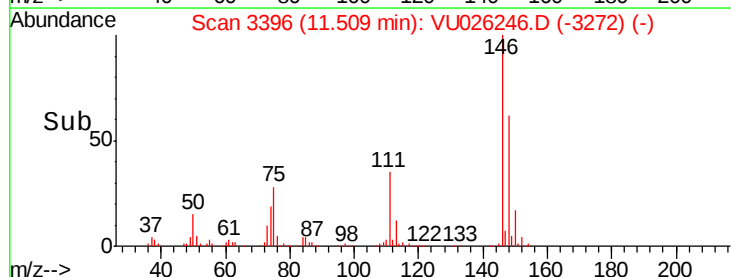
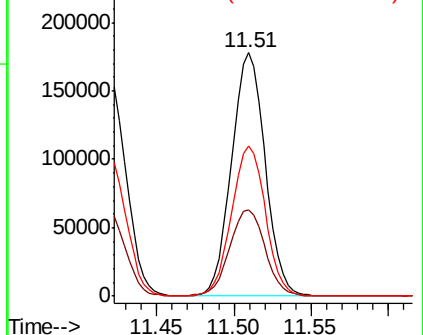
148 61.7 44.5 82.7

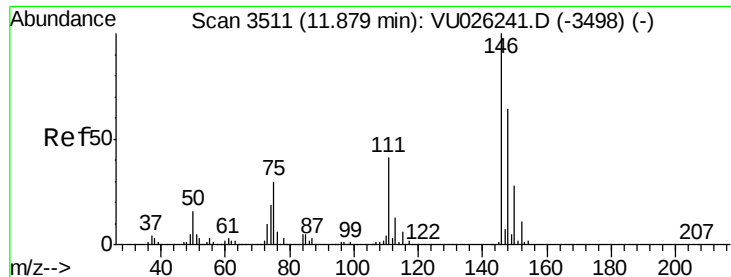


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

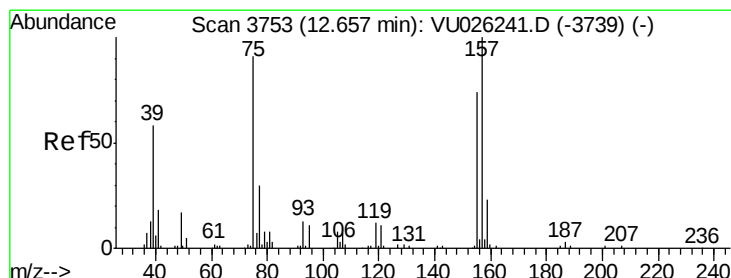
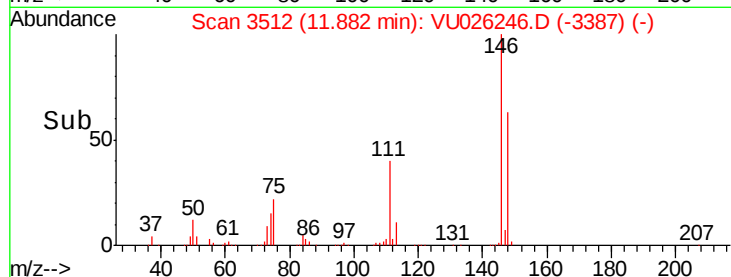
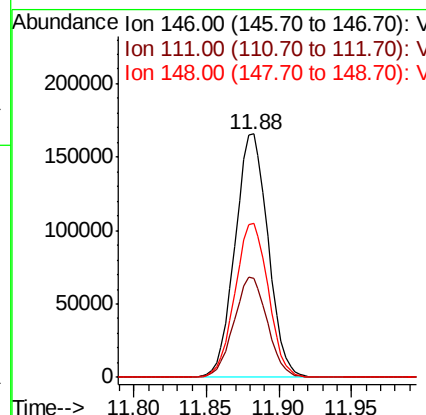
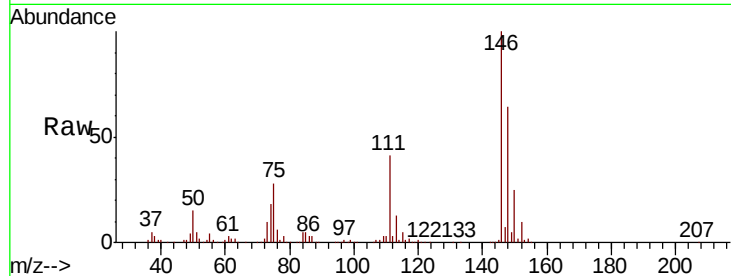




#65
 1,2-Dichlorobenzene
 Concen: 52.495 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026246.D
 Acq: 22 Aug 2018 14:31

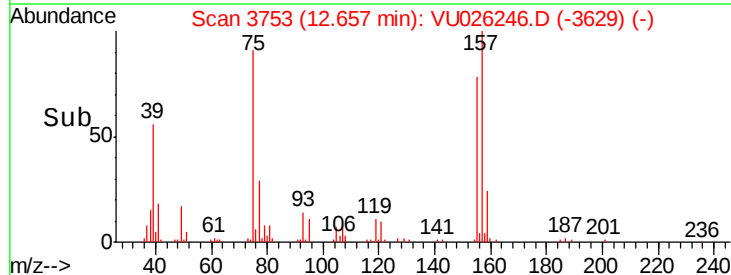
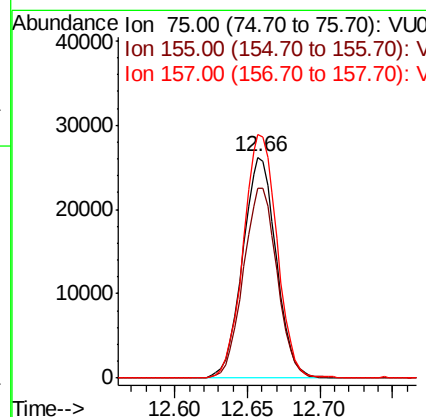
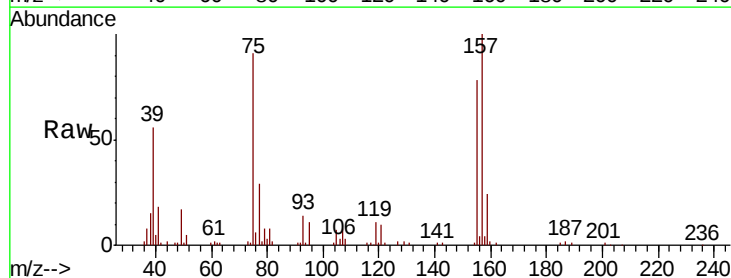
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV46

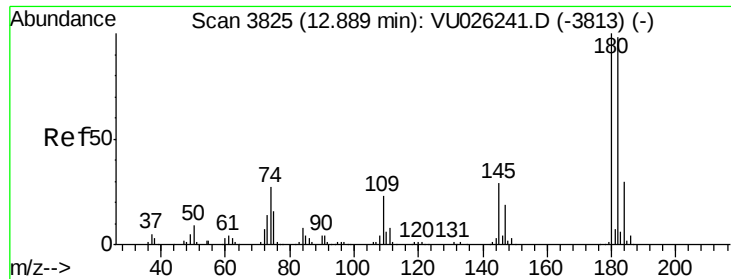
Tgt Ion: 146 Resp: 262475
 Ion Ratio Lower Upper
 146 100
 111 40.5 32.6 48.8
 148 63.5 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.468 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026246.D
 Acq: 22 Aug 2018 14:31

Tgt Ion: 75 Resp: 42155
 Ion Ratio Lower Upper
 75 100
 155 85.7 65.0 97.6
 157 110.1 87.5 131.3

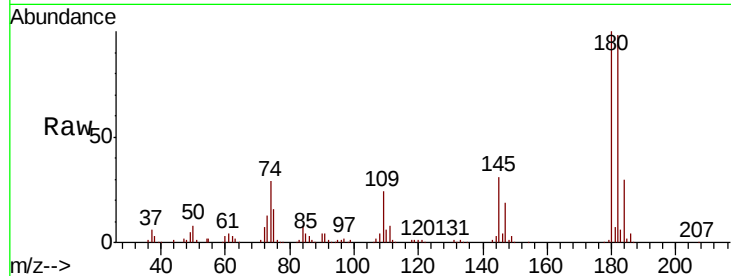




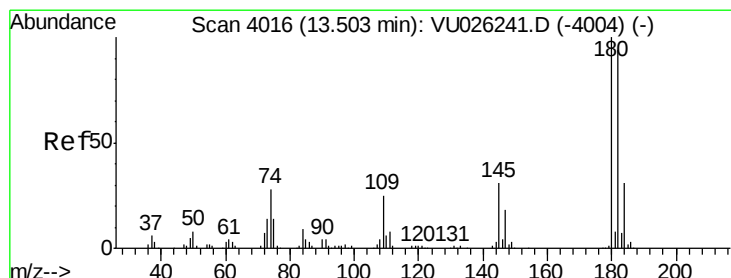
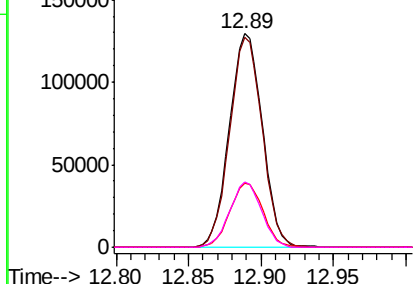
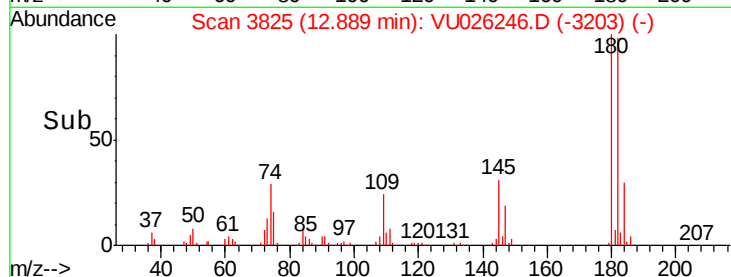
#67
 1,3,5-Trichlorobenzene
 Concen: 54.711 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026246.D
 Acq: 22 Aug 2018 14:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV46

Tgt Ion:	180	Resp:	204158
Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.9	116.9
184	30.1	24.2	36.4
145	29.5	23.4	35.2

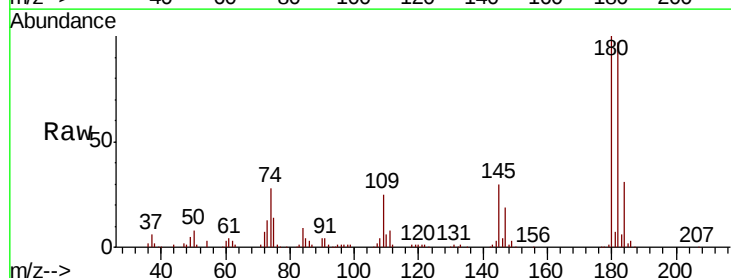


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

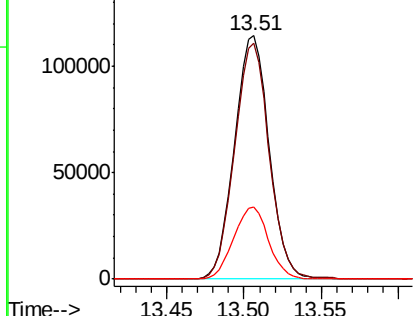
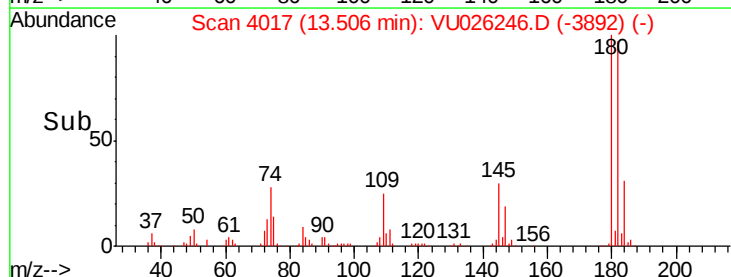


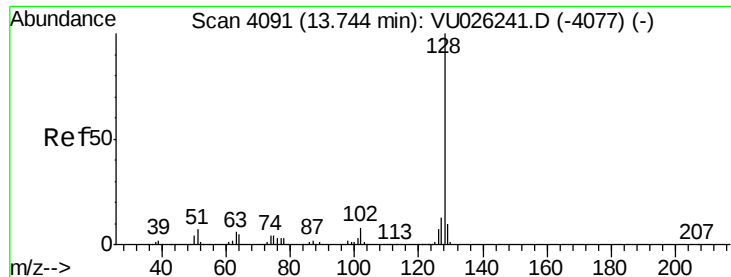
#68
 1,2,4-trichlorobenzene
 Concen: 54.716 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026246.D
 Acq: 22 Aug 2018 14:31

Tgt Ion:	180	Resp:	178235
Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.8	113.6
145	29.8	23.8	35.8



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





#69

Naphthalene

Concen: 56.263 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

Instrument :

MSVOA_U

ClientSampleId :

VICV46

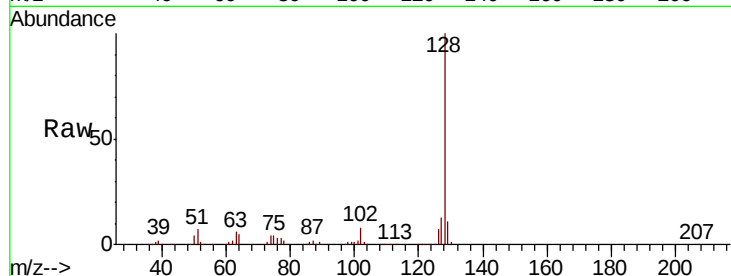
Tgt Ion:128 Resp: 545991

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

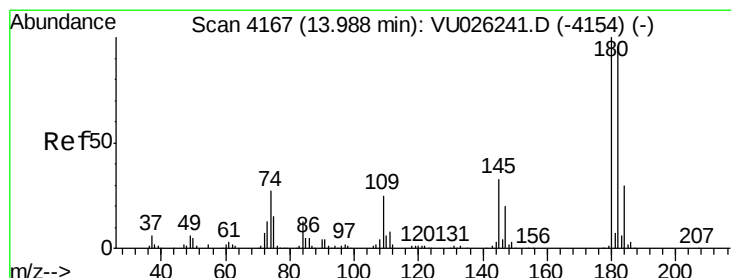
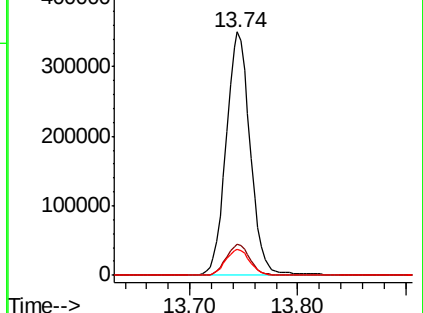
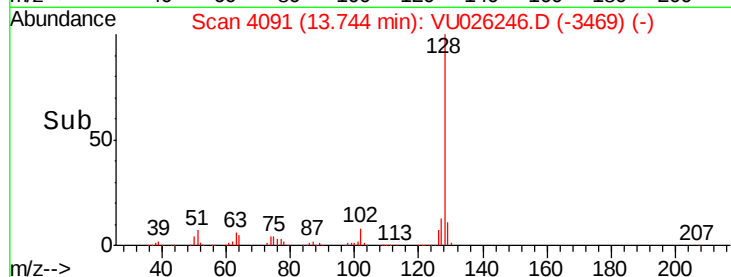
129 10.9 8.4 12.6



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: 54.537 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026246.D

Acq: 22 Aug 2018 14:31

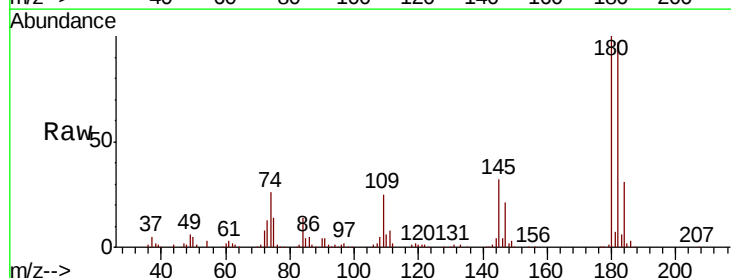
Tgt Ion:180 Resp: 189274

Ion Ratio Lower Upper

180 100

182 97.3 77.6 116.4

145 32.2 26.2 39.2



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

