

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
 Data File : VU025066.D
 Acq On : 29 Jun 2018 12:34
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV45

Quant Time: Jun 29 23:42:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 29 23:41:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	364742	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	336491	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	175638	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	111383	51.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.16%
7) Chloroethane-d5	1.68	69	88462	49.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.38%
11) 1,1-Dichloroethene-d2	2.27	63	242077	50.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.80%
21) 2-Butanone-d5	4.18	46	194324	106.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.62%
24) Chloroform-d	4.65	84	240785	51.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.12%
26) 1,2-Dichloroethane-d4	5.31	65	165889	50.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.20%
32) Benzene-d6	5.35	84	464280	50.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.58%
36) 1,2-Dichloropropane-d6	6.34	67	146041	49.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.32%
41) Toluene-d8	7.57	98	454507	50.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.62%
43) trans-1,3-Dichloropropene-	7.85	79	76415	51.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.64%
47) 2-Hexanone-d5	8.31	63	142689	106.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.32%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	210822	50.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	194147	50.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.46%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	174408	52.627 ug/L	99
3) Chloromethane	1.33	50	141635	51.809 ug/L	99
5) Vinyl chloride	1.40	62	149147	52.725 ug/L	99
6) Bromomethane	1.62	94	87769	57.789 ug/L	98
8) Chloroethane	1.70	64	88752	52.054 ug/L	98
9) Trichlorofluoromethane	1.89	101	212068	51.336 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	128594	52.444 ug/L	98
12) 1,1-Dichloroethene	2.28	96	116599	52.117 ug/L	95
13) Acetone	2.32	43	205034	109.456 ug/L	99
14) Carbon disulfide	2.48	76	361304	53.484 ug/L	99
15) Methyl Acetate	2.62	43	148167	51.696 ug/L	99
16) Methylene chloride	2.70	84	136793	52.105 ug/L	100
17) trans-1,2-Dichloroethene	2.99	96	126728	52.318 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	438844	52.065 ug/L	99
19) 1,1-Dichloroethane	3.45	63	239999	52.054 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	144352	51.600 ug/L	99
22) 2-Butanone	4.26	43	242752	109.545 ug/L	100

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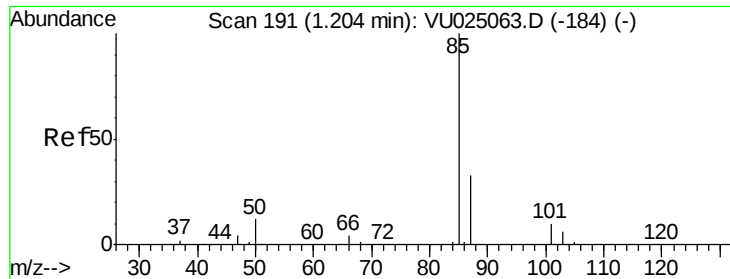
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	75635	52.590	ug/L	97
25) Chloroform	4.68	83	255052	51.811	ug/L	99
27) 1,2-Dichloroethane	5.41	62	209159	50.698	ug/L	99
29) Cyclohexane	5.00	56	223967	51.488	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	231935	51.606	ug/L	99
31) Carbon tetrachloride	5.14	117	205453	52.304	ug/L	99
33) Benzene	5.39	78	524919	51.437	ug/L	100
34) Trichloroethene	6.19	95	141197	52.013	ug/L	99
35) Methylcyclohexane	6.42	83	232316	51.283	ug/L	100
37) 1,2-Dichloropropane	6.44	63	140676	51.621	ug/L	99
38) Bromodichloromethane	6.76	83	188720	52.101	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	216663	50.200	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	413130	105.224	ug/L	100
42) Toluene	7.64	91	572683	51.636	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	208545	51.941	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	134525	51.730	ug/L	98
46) Tetrachloroethene	8.23	164	117934	51.322	ug/L	98
48) 2-Hexanone	8.36	43	341246	109.252	ug/L	99
49) Dibromochloromethane	8.48	129	162089	53.115	ug/L	95
50) 1,2-Dibromoethane	8.59	107	148978	51.793	ug/L	96
51) Chlorobenzene	9.12	112	376990	51.001	ug/L	100
52) Ethylbenzene	9.25	91	651284	52.211	ug/L	100
53) m,p-Xylene	9.38	106	253294	52.472	ug/L	97
54) o-xylene	9.78	106	255765	52.824	ug/L	98
55) Styrene	9.80	104	422908	53.290	ug/L	99
56) Isopropylbenzene	10.17	105	664806	52.275	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	226824	52.269	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	186247	52.714	ug/L	99
61) Bromoform	9.96	173	121890	52.862	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	306554	52.097	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	307050	51.875	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	326034	52.491	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	57121	55.577	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	237616	54.393	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	204451	55.980	ug/L	99
69) Naphthalene	13.74	128	742012	61.101	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	219016	55.834	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 52.627 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

Instrument :

MSVOA_U

ClientSampleId :

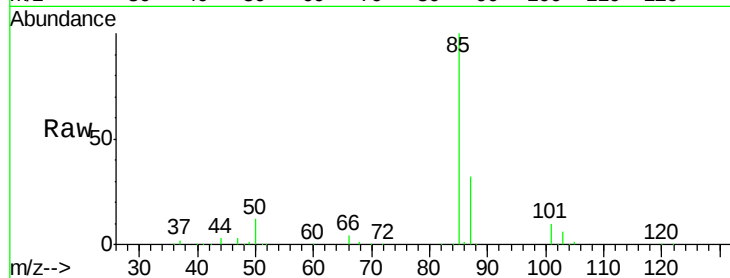
VICV45

Tgt Ion: 85 Resp: 174408

Ion Ratio Lower Upper

85 100

87 32.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.20

150000

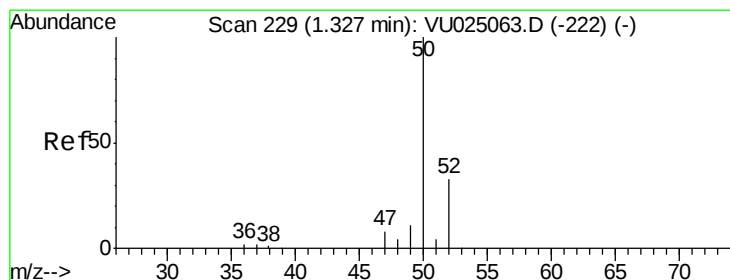
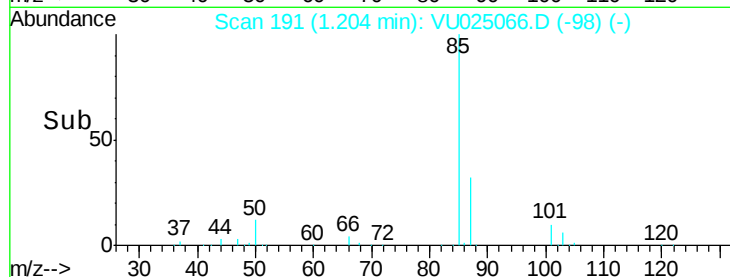
100000

50000

0

Time-->

1.15 1.20 1.25 1.30



#3

Chloromethane

Concen: 51.809 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025066.D

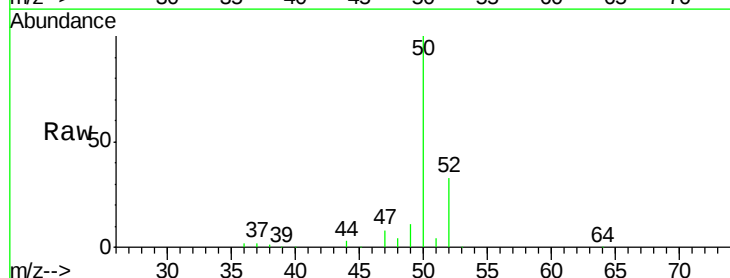
Acq: 29 Jun 2018 12:34

Tgt Ion: 50 Resp: 141635

Ion Ratio Lower Upper

50 100

52 32.7 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

1.33

150000

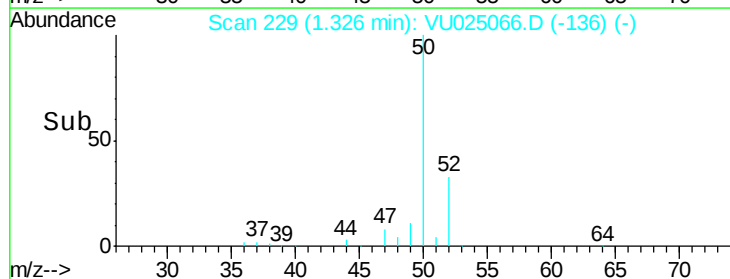
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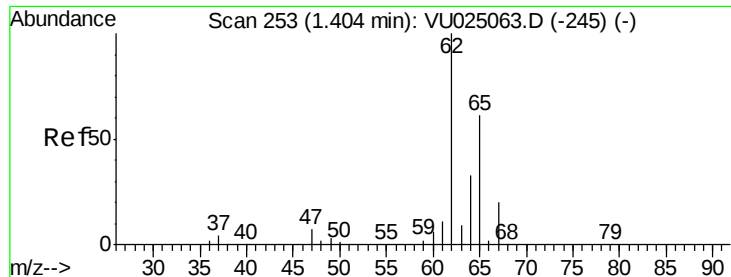
50000

0

Time-->

1.30 1.35 1.40





#5

Vinyl chloride

Concen: 52.725 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

Instrument :

MSVOA_U

ClientSampleId :

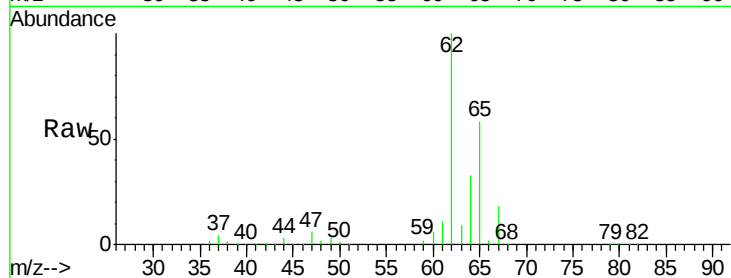
VICV45

Tgt Ion: 62 Resp: 149147

Ion Ratio Lower Upper

62 100

64 33.4 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

150000

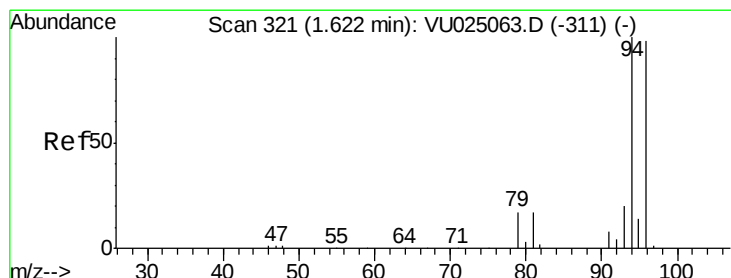
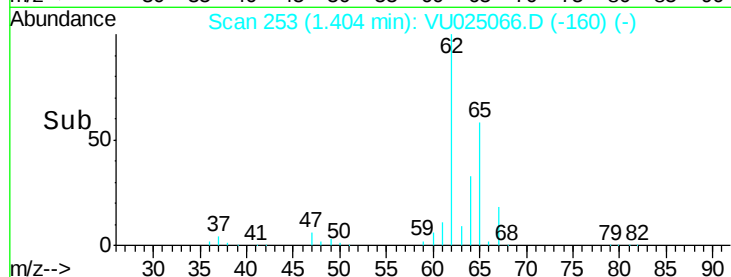
100000

50000

0

1.35 1.40 1.45 1.50

Time-->



#6

Bromomethane

Concen: 57.789 ug/L

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU025066.D

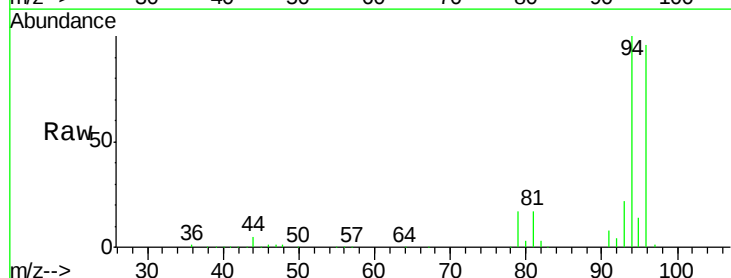
Acq: 29 Jun 2018 12:34

Tgt Ion: 94 Resp: 87769

Ion Ratio Lower Upper

94 100

96 95.6 68.4 127.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

80000

60000

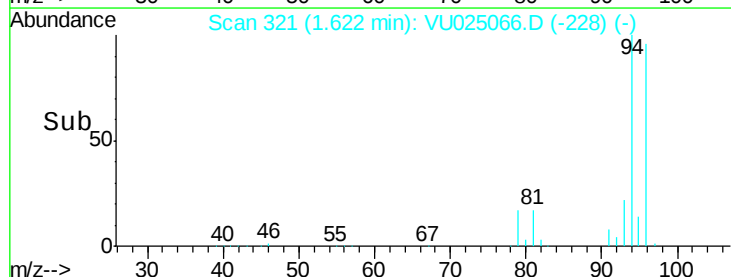
40000

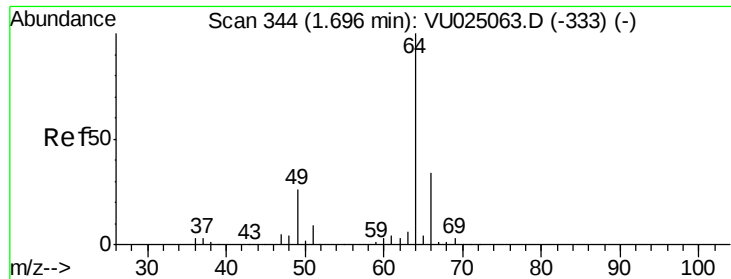
20000

0

1.55 1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 52.054 ug/L

RT: 1.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

Instrument :

MSVOA_U

ClientSampleId :

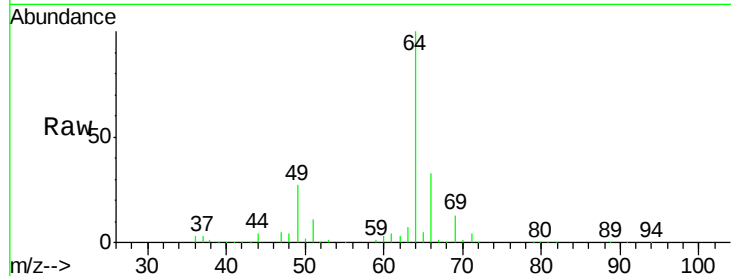
VICV45

Tgt Ion: 64 Resp: 88752

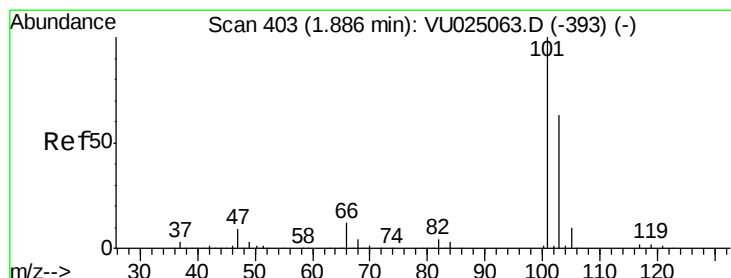
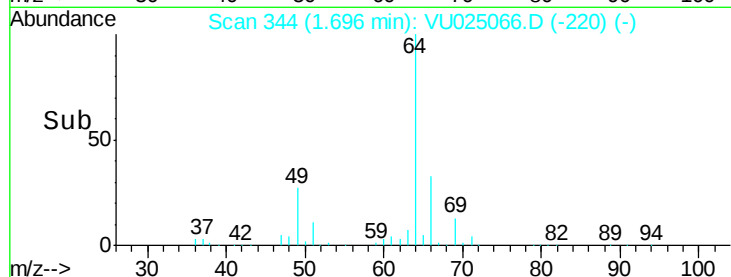
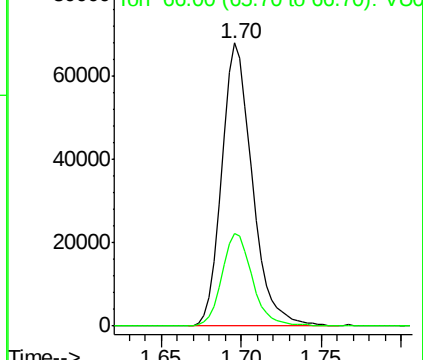
Ion Ratio Lower Upper

64 100

66 32.8 23.8 44.2



Abundance Ion 64.00 (63.70 to 64.70): VU025066.D (-220) (-)



#9

Trichlorofluoromethane

Concen: 51.336 ug/L

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU025066.D

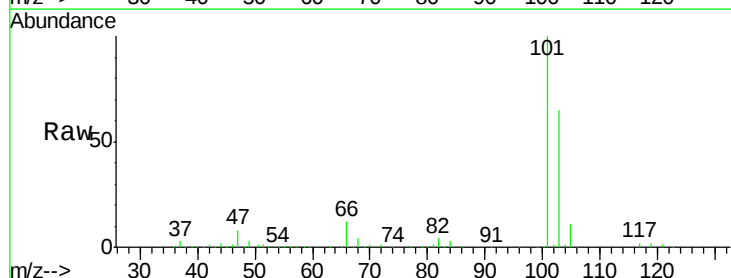
Acq: 29 Jun 2018 12:34

Tgt Ion: 101 Resp: 212068

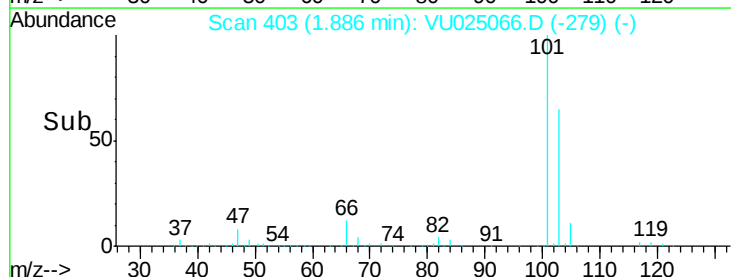
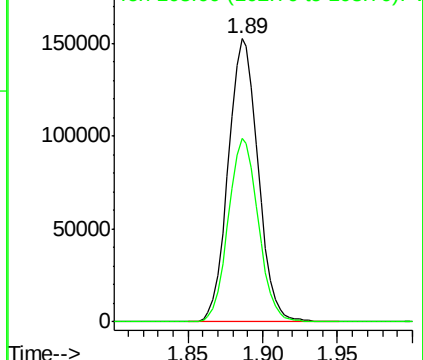
Ion Ratio Lower Upper

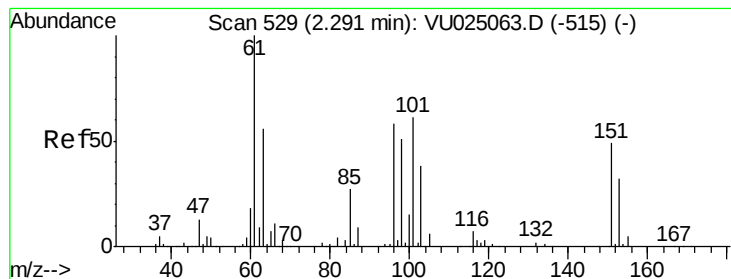
101 100

103 65.3 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU025066.D (-279) (-)





#10

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

Concen: 52.444 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

Instrument :

MSVOA_U

ClientSampled :

VICV45

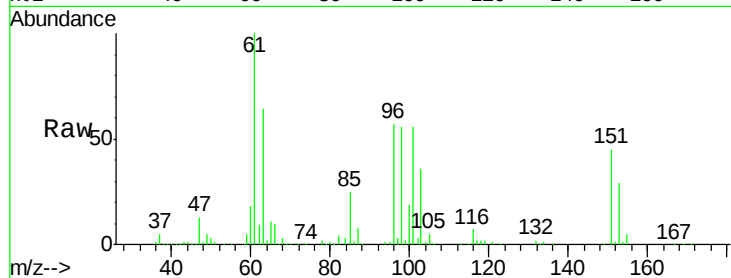
Tgt Ion: 101 Resp: 128594

Ion Ratio Lower Upper

101 100

85 43.5 35.8 53.6

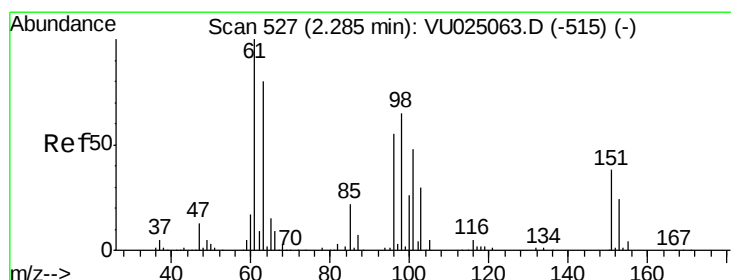
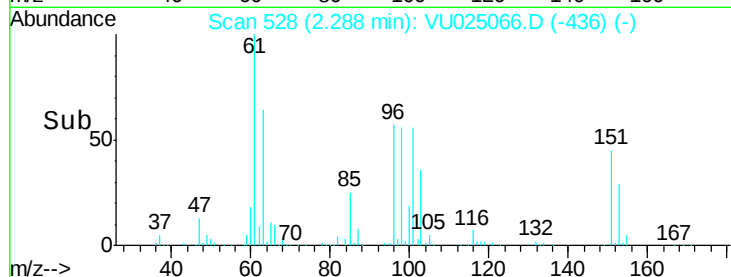
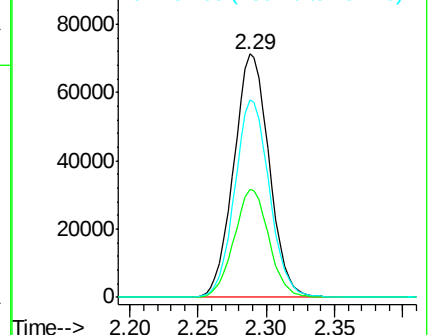
151 79.4 64.6 96.8



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: 52.117 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

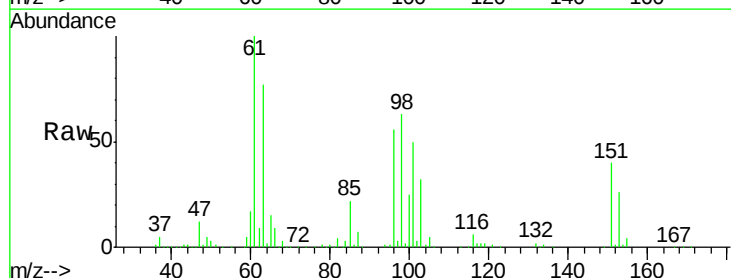
Tgt Ion: 96 Resp: 116599

Ion Ratio Lower Upper

96 100

61 179.4 128.1 237.9

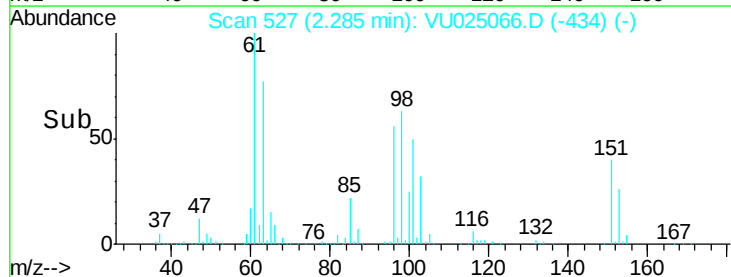
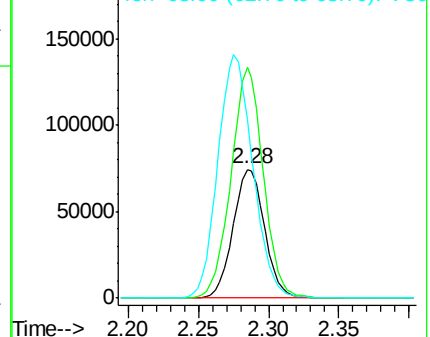
63 138.5 103.6 192.4

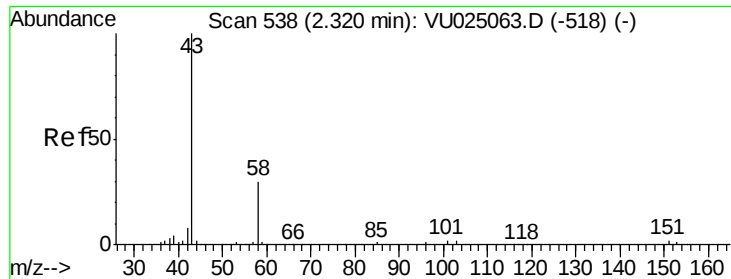


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 109.456 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

Instrument :

MSVOA_U

ClientSampleId :

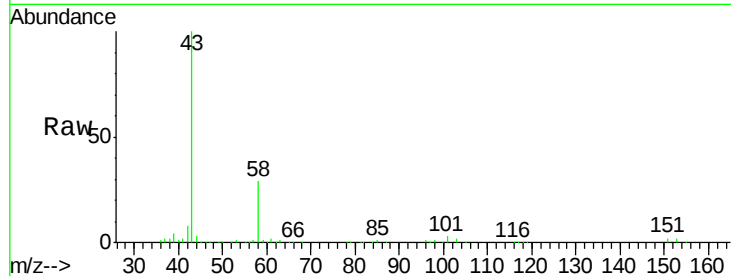
VICV45

Tgt Ion: 43 Resp: 205034

Ion Ratio Lower Upper

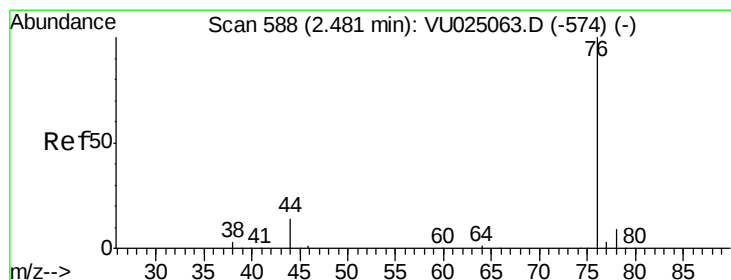
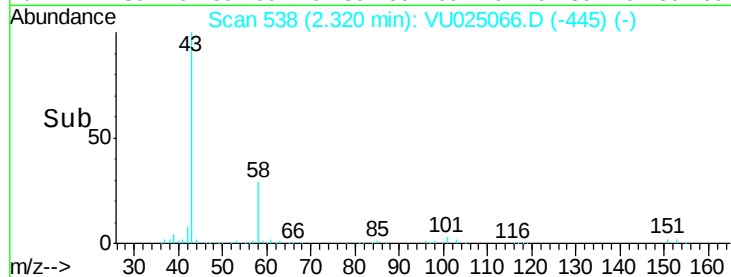
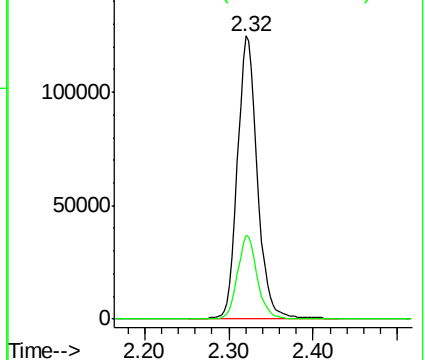
43 100

58 29.4 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 53.484 ug/L

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU025066.D

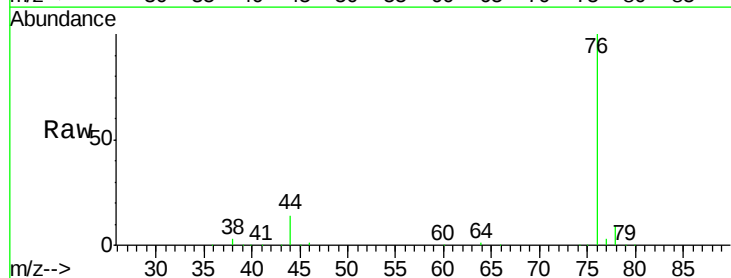
Acq: 29 Jun 2018 12:34

Tgt Ion: 76 Resp: 361304

Ion Ratio Lower Upper

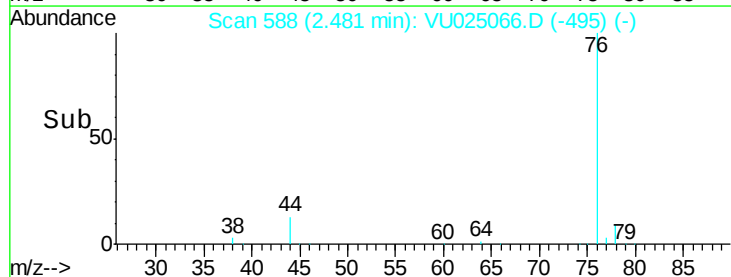
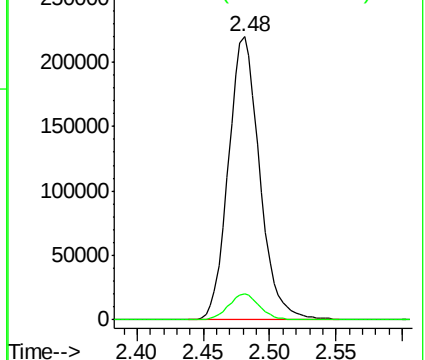
76 100

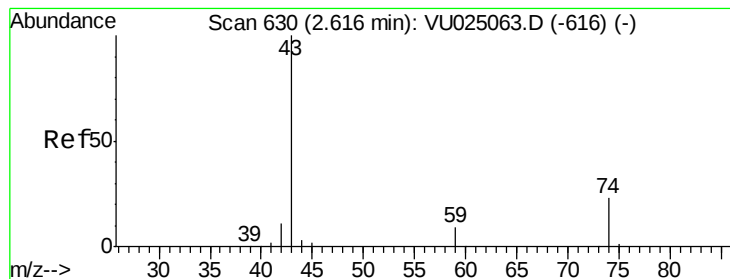
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 51.696 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

Instrument :

MSVOA_U

ClientSampleId :

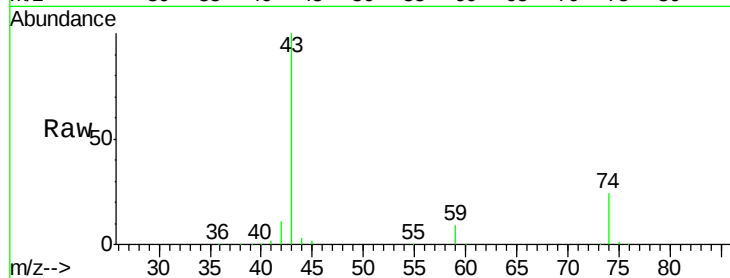
VICV45

Tgt Ion: 43 Resp: 148167

Ion Ratio Lower Upper

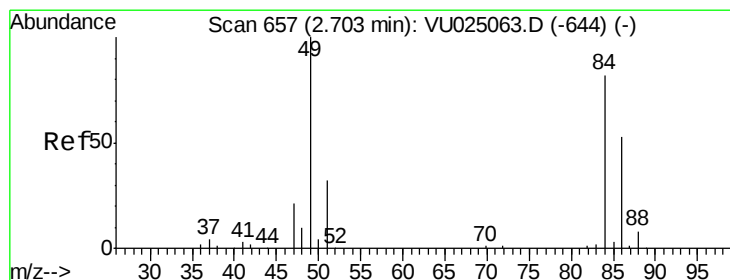
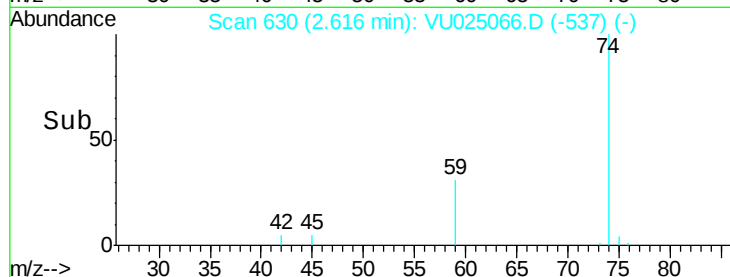
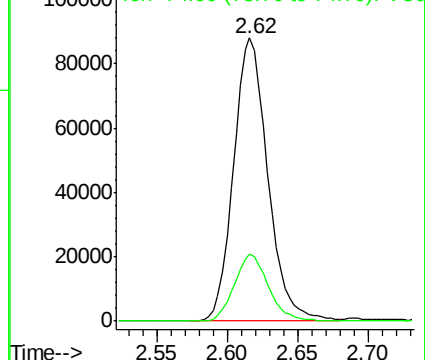
43 100

74 23.7 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 52.105 ug/L

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

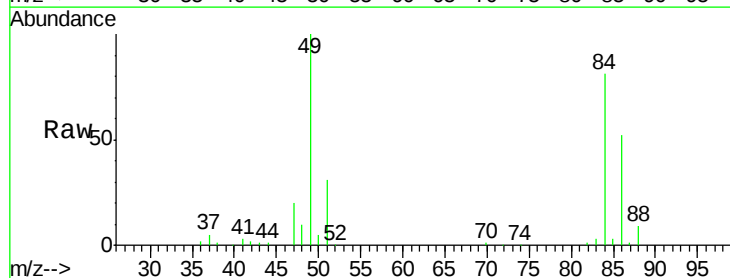
Tgt Ion: 84 Resp: 136793

Ion Ratio Lower Upper

84 100

86 64.4 44.9 83.5

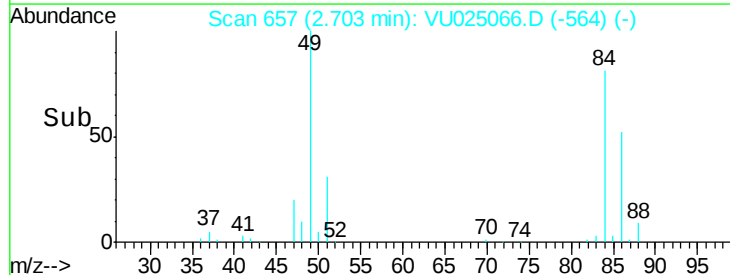
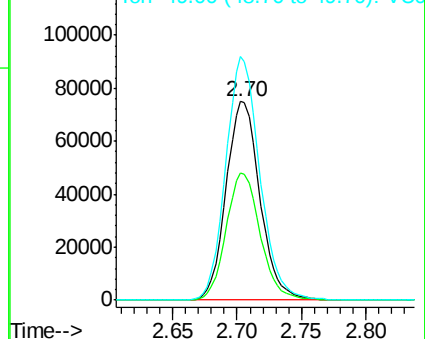
49 122.8 85.6 159.0

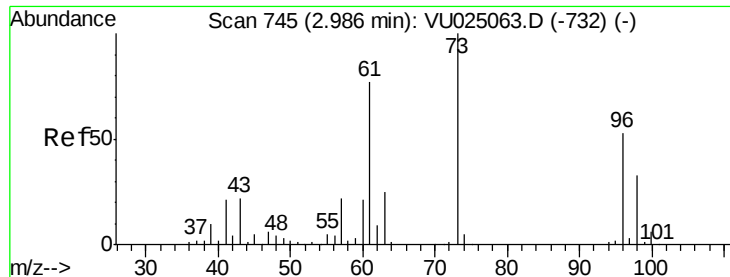


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 52.318 ug/L

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

Instrument :

MSVOA_U

ClientSampleId :

VICV45

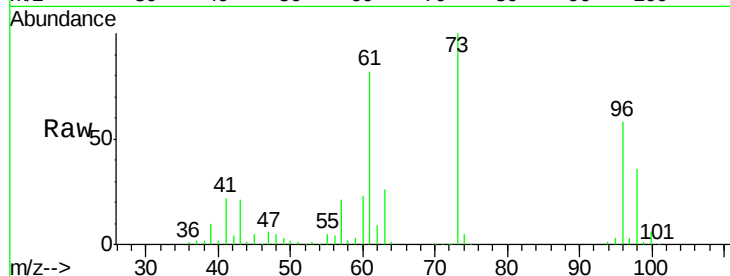
Tgt Ion: 96 Resp: 126728

Ion Ratio Lower Upper

96 100

61 143.0 102.7 190.7

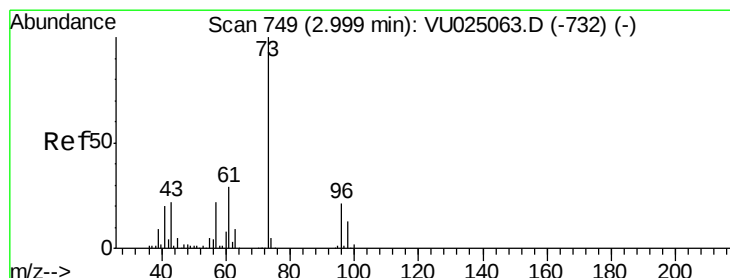
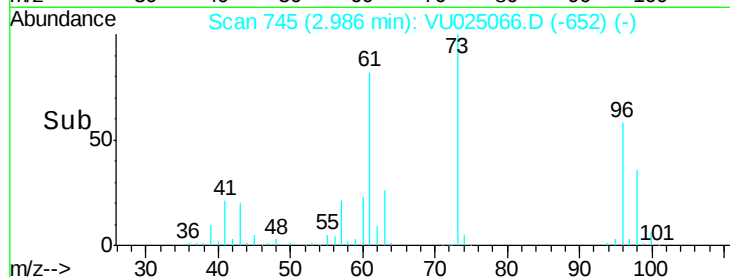
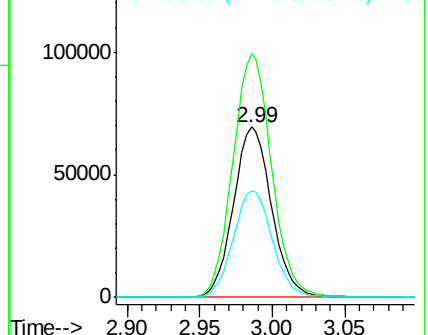
98 62.9 44.4 82.5



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: 52.065 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

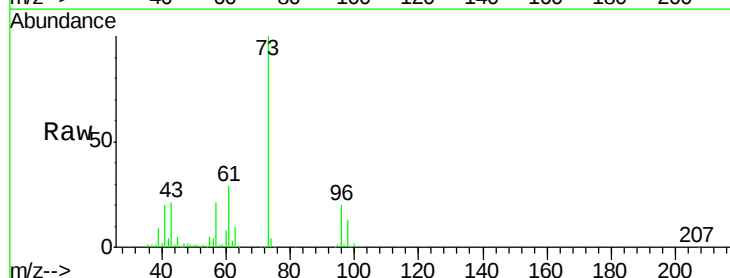
Tgt Ion: 73 Resp: 438844

Ion Ratio Lower Upper

73 100

43 21.0 17.2 25.8

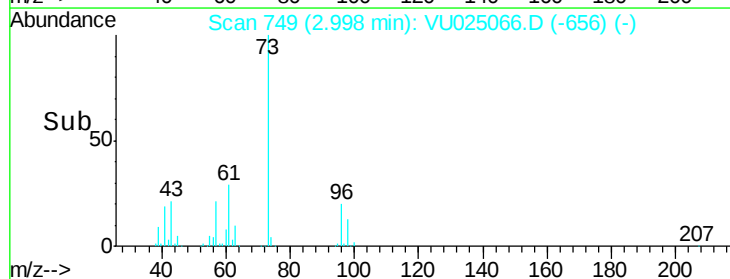
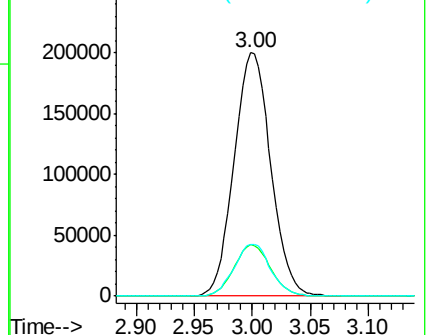
57 21.2 17.2 25.8

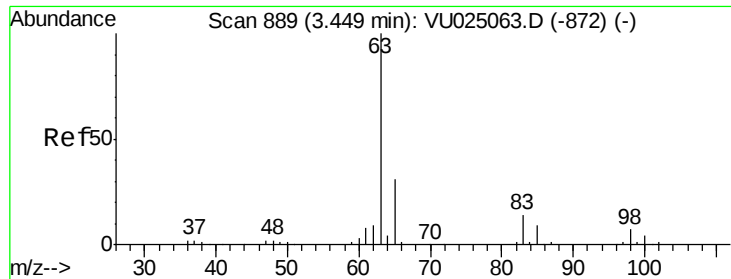


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 52.054 ug/L

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

Instrument :

MSVOA_U

ClientSampleId :

VICV45

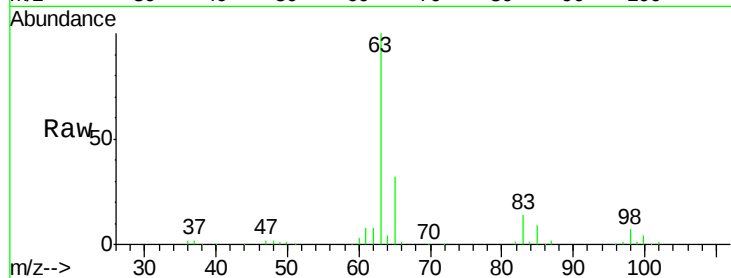
Tgt Ion: 63 Resp: 239999

Ion Ratio Lower Upper

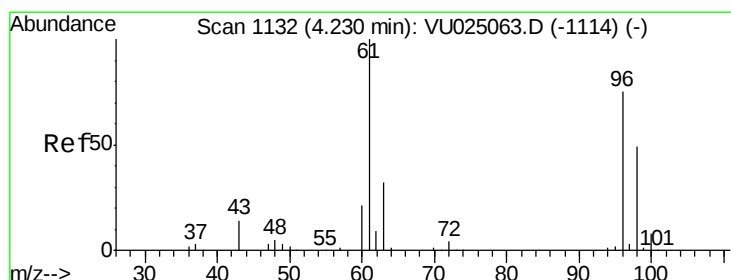
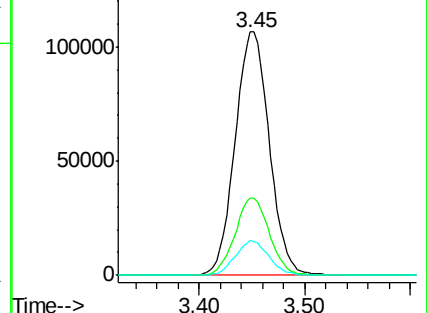
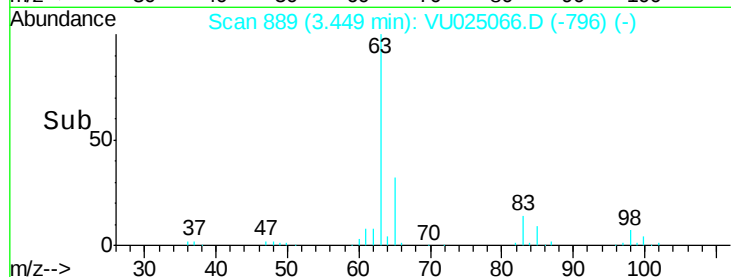
63 100

65 31.6 21.9 40.7

83 14.2 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VU025066.D (-796) (-)



#20

cis-1,2-Dichloroethene

Concen: 51.600 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

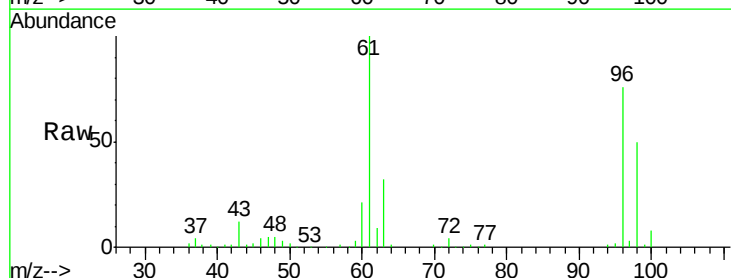
Tgt Ion: 96 Resp: 144352

Ion Ratio Lower Upper

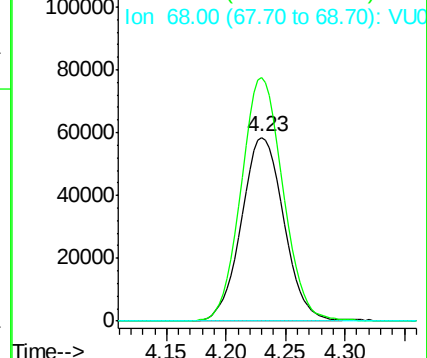
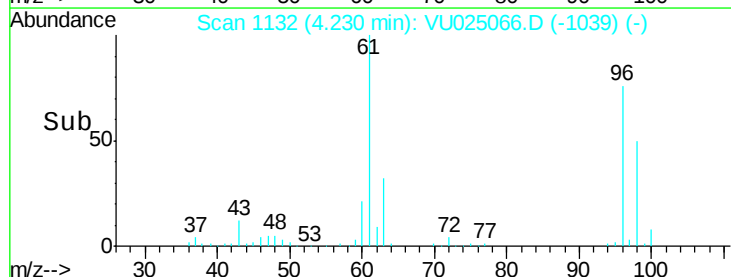
96 100

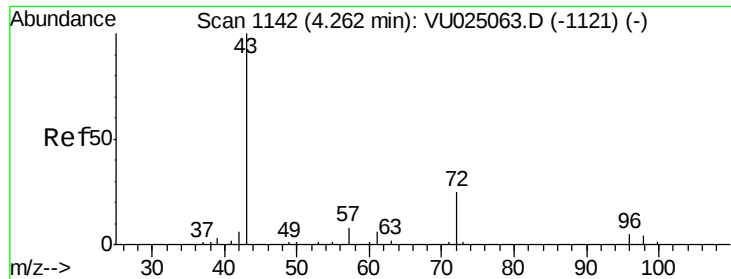
61 132.3 93.4 173.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU025066.D (-1039) (-)





#22

2-Butanone

Concen: 109.545 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

Instrument :

MSVOA_U

ClientSampled :

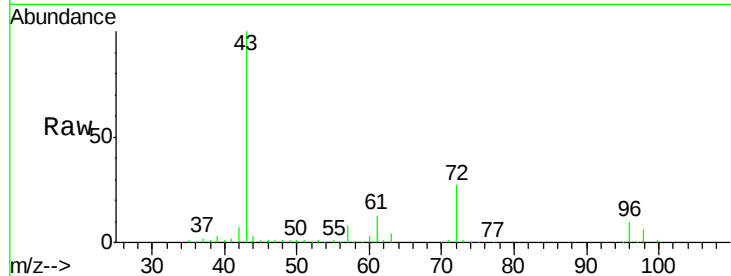
VICV45

Tgt Ion: 43 Resp: 242752

Ion Ratio Lower Upper

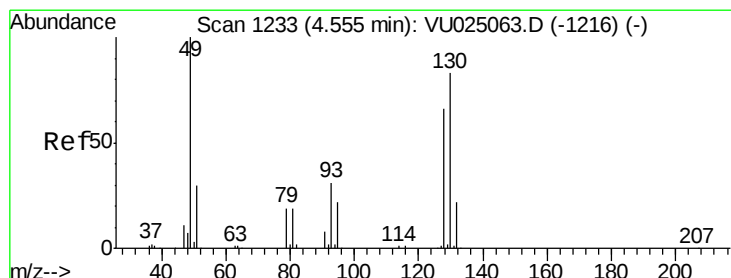
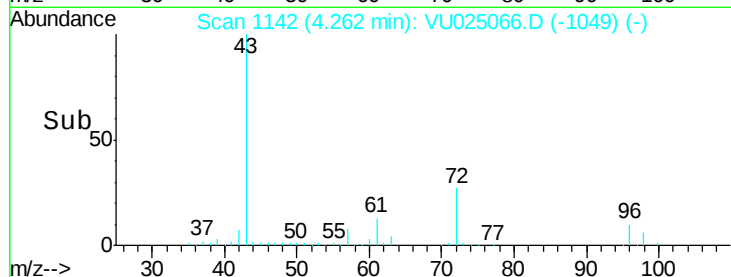
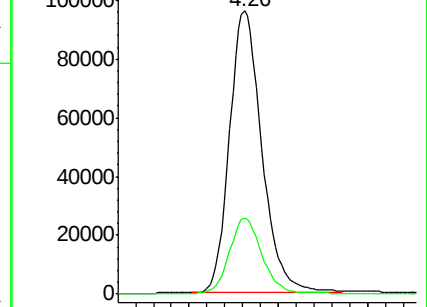
43 100

72 27.5 13.7 41.0



Abundance Ion 43.00 (42.70 to 43.70): VU025066.D (-1149) (-)

Ion 72.00 (71.70 to 72.70): VU025066.D (-1149) (-)



#23

Bromochloromethane

Concen: 52.590 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

Tgt Ion: 128 Resp: 75635

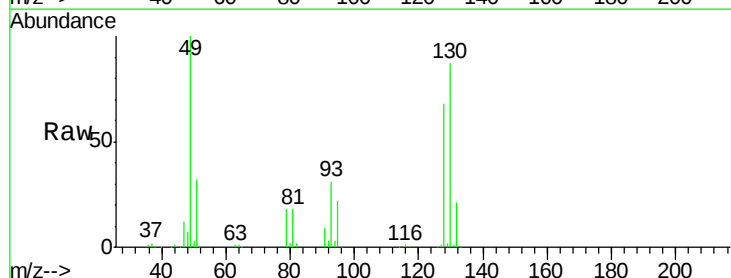
Ion Ratio Lower Upper

128 100

49 147.2 106.1 197.1

130 127.8 87.7 162.9

51 47.2 36.8 55.2

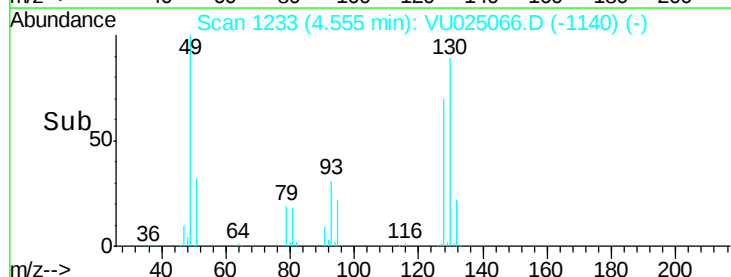
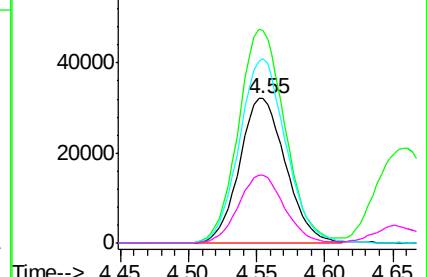


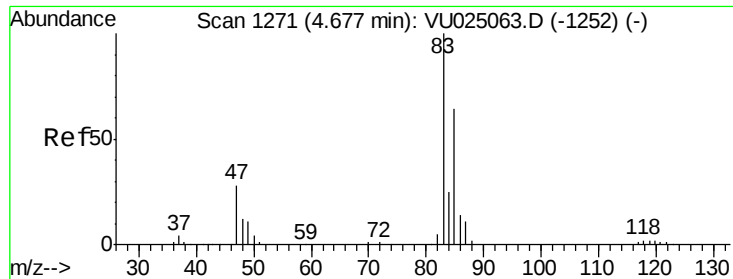
Abundance Ion 128.00 (127.70 to 128.70): VU025066.D (-1140) (-)

Ion 49.00 (48.70 to 49.70): VU025066.D (-1140) (-)

Ion 130.00 (129.70 to 130.70): VU025066.D (-1140) (-)

Ion 51.00 (50.70 to 51.70): VU025066.D (-1140) (-)

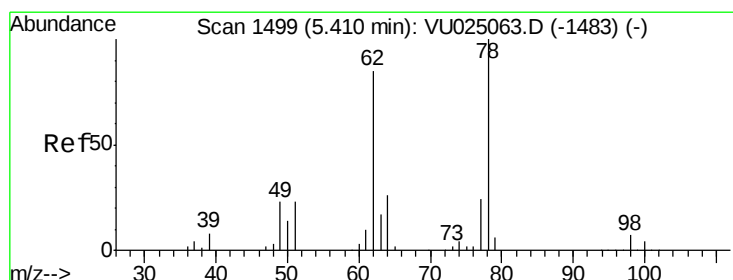
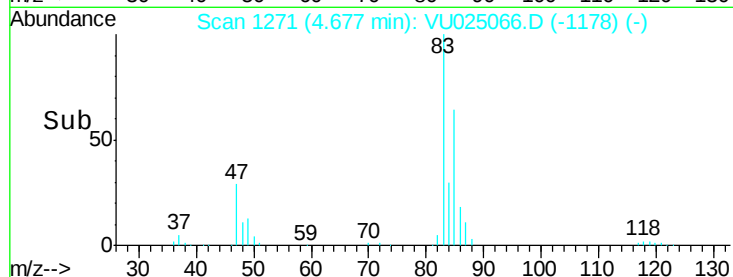
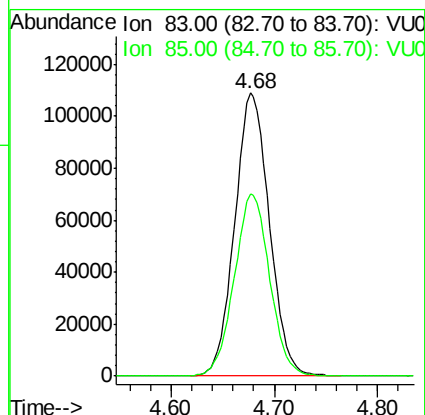
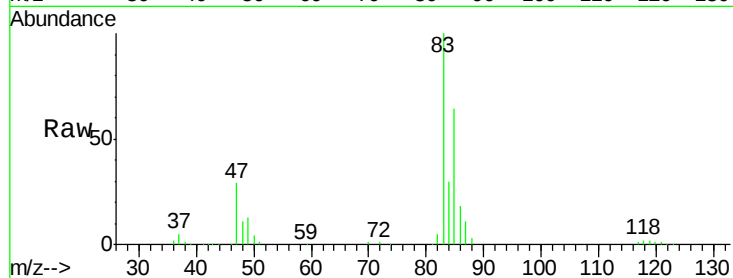




#25
Chloroform
Concen: 51.811 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025066.D
Acq: 29 Jun 2018 12:34

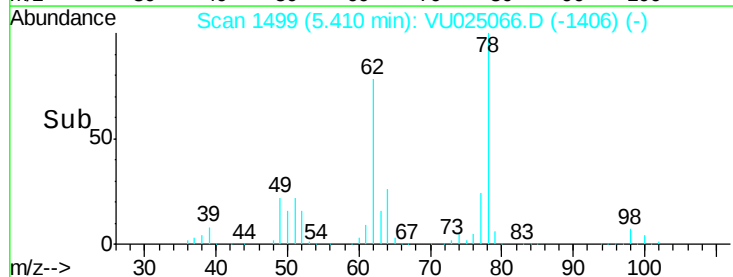
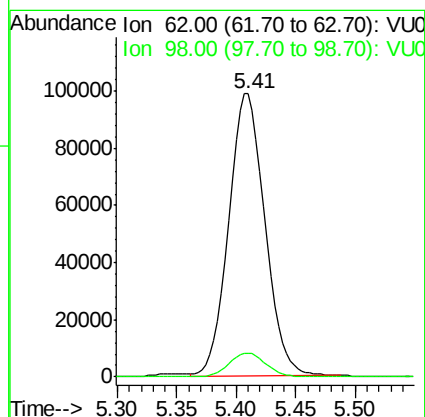
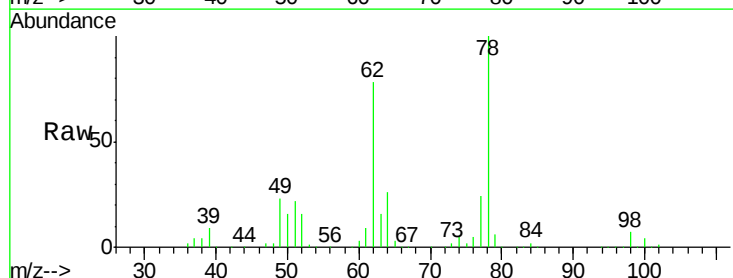
Instrument :
MSVOA_U
ClientSampleId :
VICV45

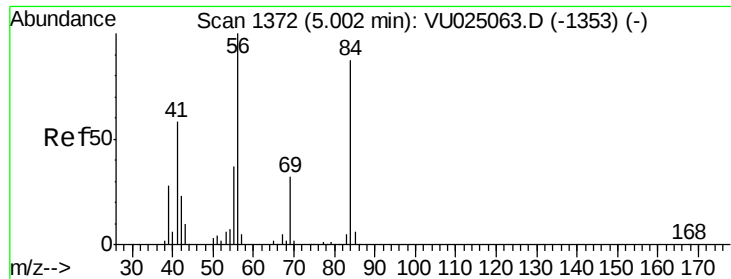
Tgt Ion: 83 Resp: 255052
Ion Ratio Lower Upper
83 100
85 64.4 44.7 83.1



#27
1,2-Dichloroethane
Concen: 50.698 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU025066.D
Acq: 29 Jun 2018 12:34

Tgt Ion: 62 Resp: 209159
Ion Ratio Lower Upper
62 100
98 8.4 6.4 9.6

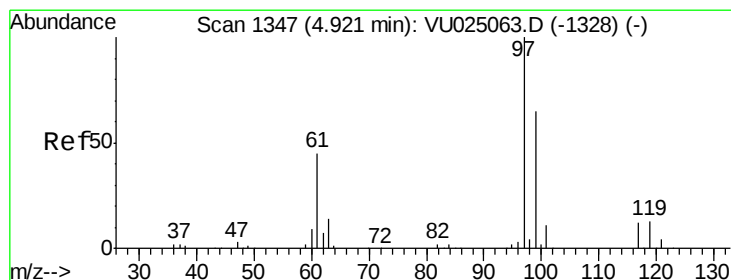
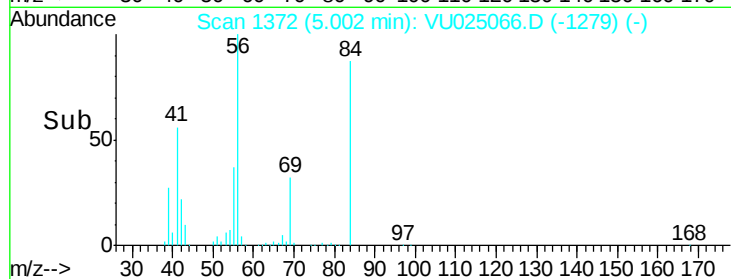
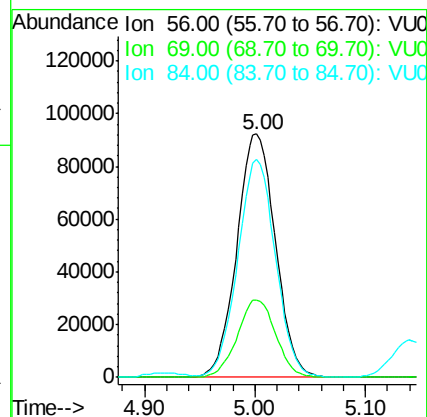
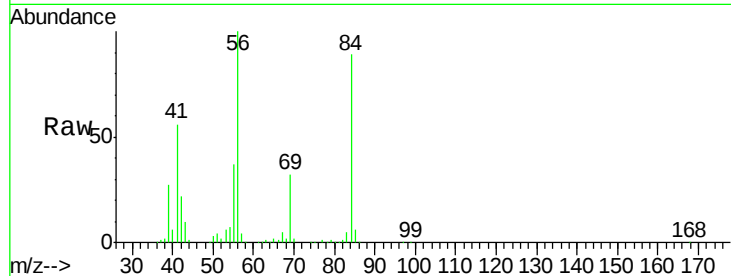




#29
Cyclohexane
Concen: 51.488 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU025066.D
Acq: 29 Jun 2018 12:34

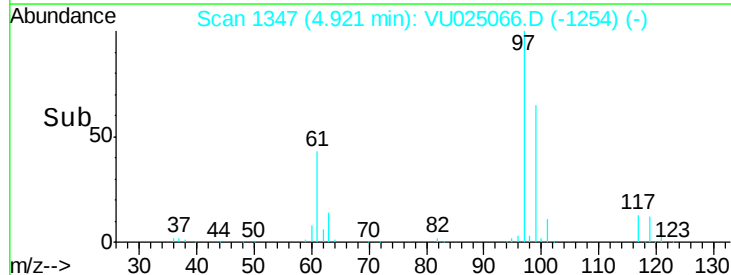
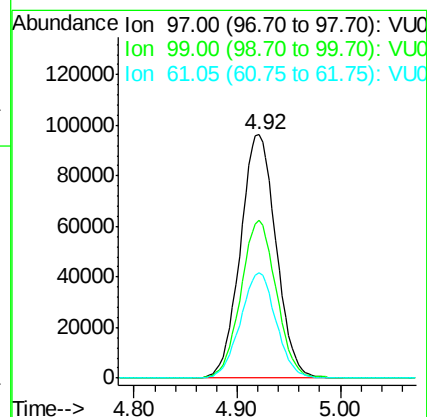
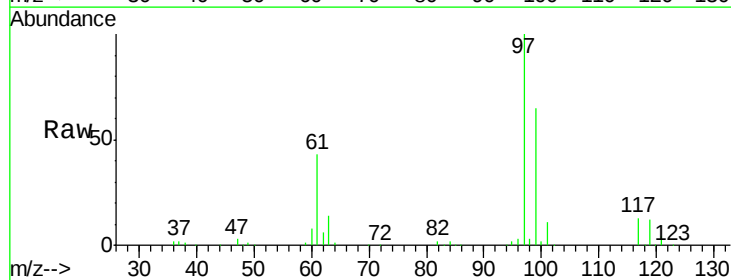
Instrument :
MSVOA_U
ClientSampleId :
VICV45

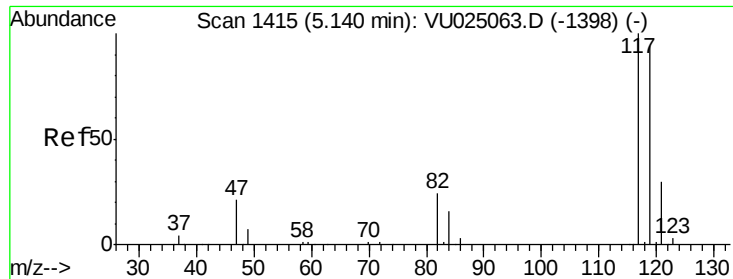
Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.0	37.6
84	87.9	70.0	105.0



#30
1,1,1-Trichloroethane
Concen: 51.606 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU025066.D
Acq: 29 Jun 2018 12:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	43.1	35.5	53.3





#31

Carbon tetrachloride

Concen: 52.304 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

Instrument :

MSVOA_U

ClientSampleId :

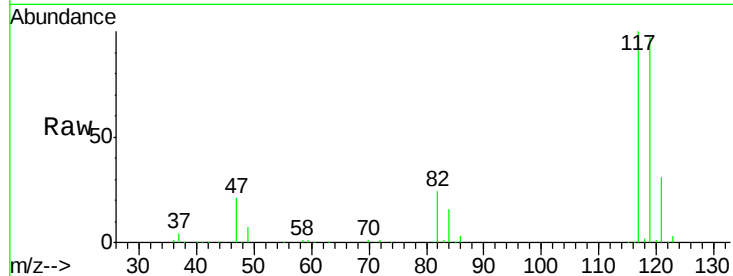
VICV45

Tgt Ion:117 Resp: 205453

Ion Ratio Lower Upper

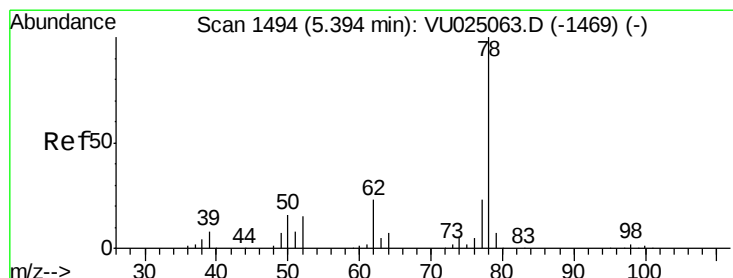
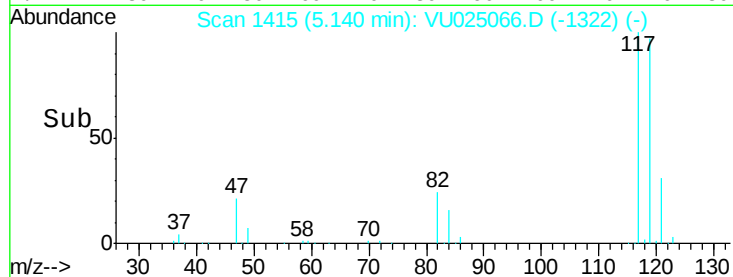
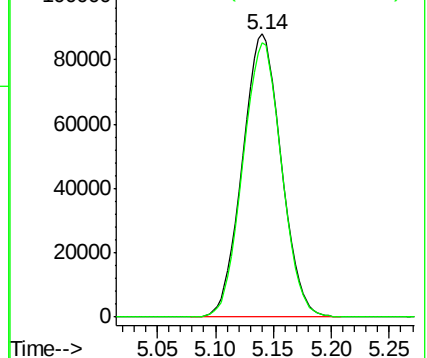
117 100

119 96.5 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.437 ug/L

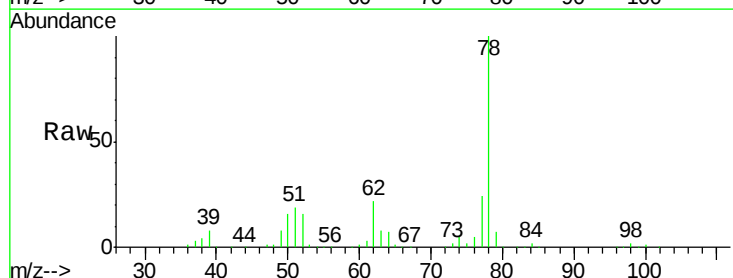
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

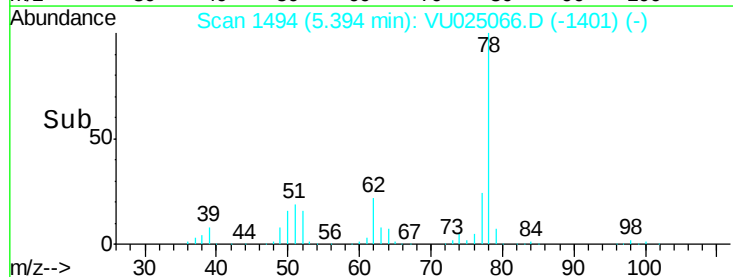
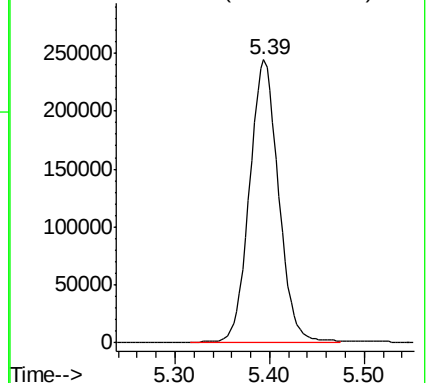
Lab File: VU025066.D

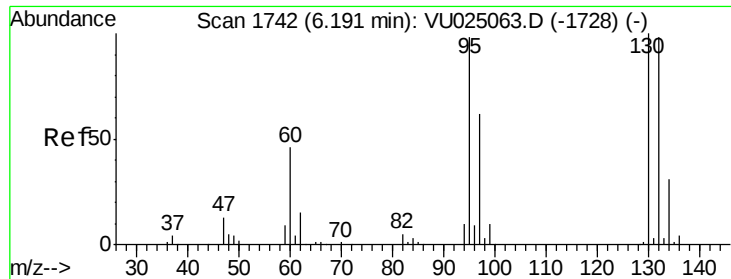
Acq: 29 Jun 2018 12:34

Tgt Ion: 78 Resp: 524919



Abundance Ion 78.00 (77.70 to 78.70): VU0

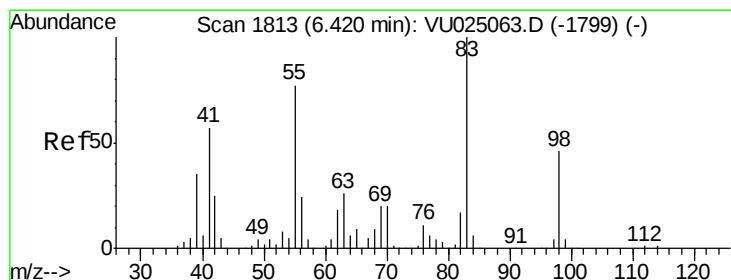
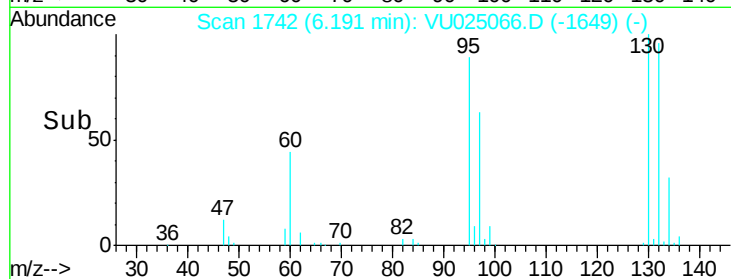
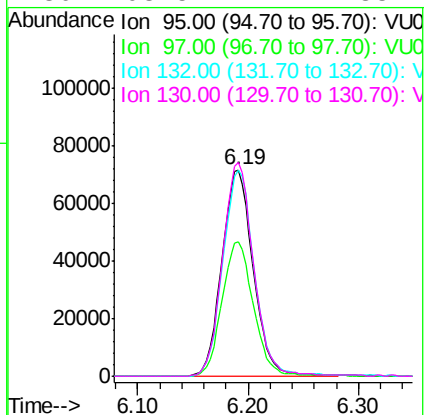
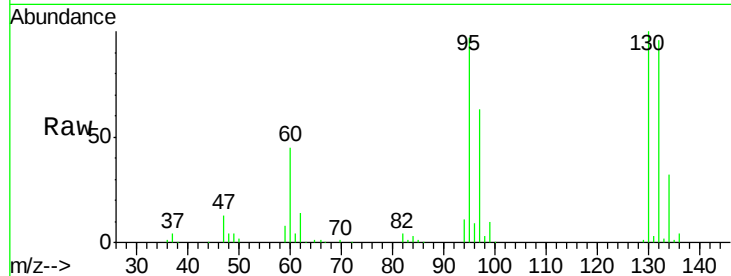




#34
 Trichloroethene
 Concen: 52.013 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU025066.D
 Acq: 29 Jun 2018 12:34

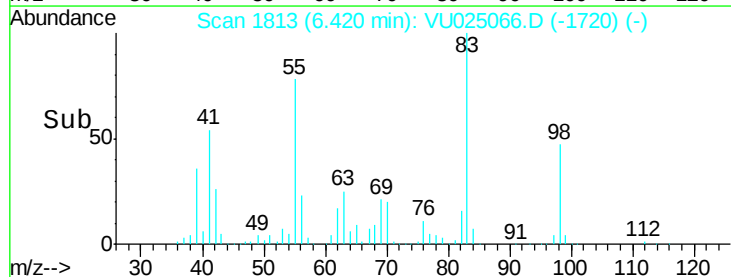
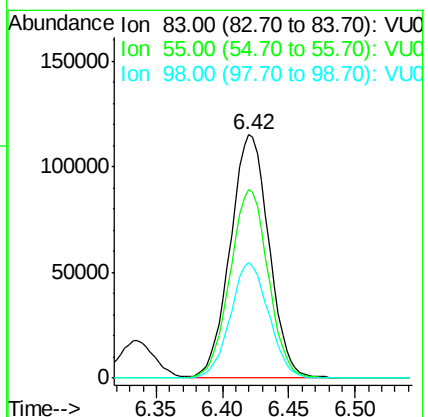
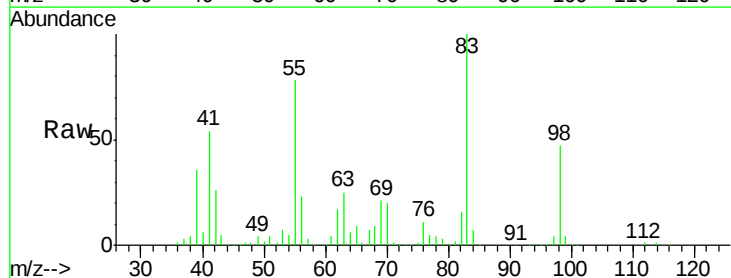
Instrument :
 MSVOA_U
 ClientSampled :
 VICV45

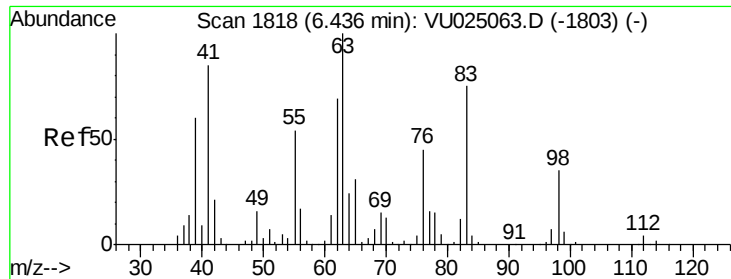
Tgt Ion: 95 Resp: 141197
 Ion Ratio Lower Upper
 95 100
 97 64.9 44.1 81.9
 132 99.6 70.2 130.4
 130 103.5 71.7 133.1



#35
 Methylcyclohexane
 Concen: 51.283 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU025066.D
 Acq: 29 Jun 2018 12:34

Tgt Ion: 83 Resp: 232316
 Ion Ratio Lower Upper
 83 100
 55 77.0 61.8 92.6
 98 47.0 37.4 56.0

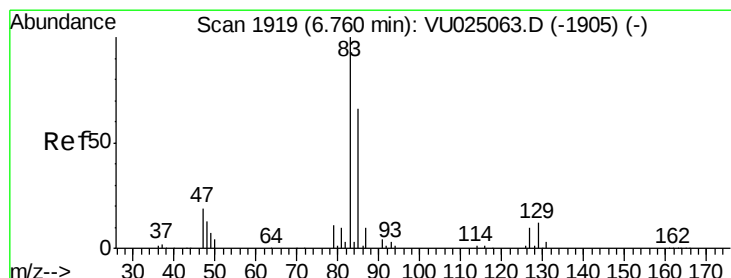
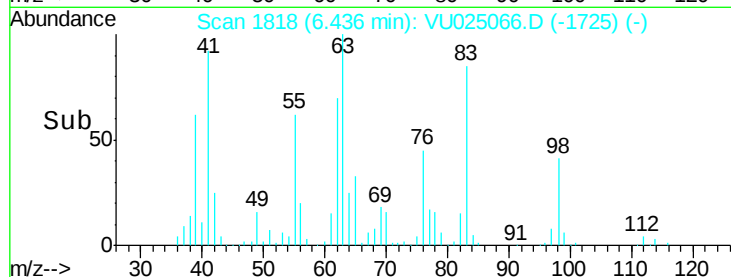
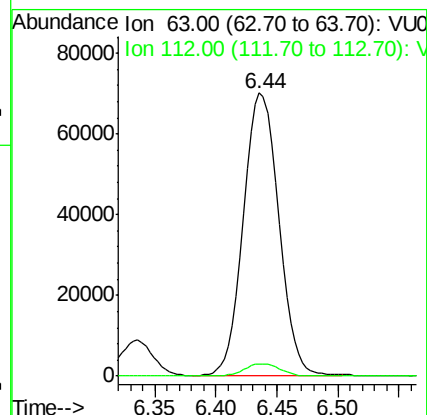
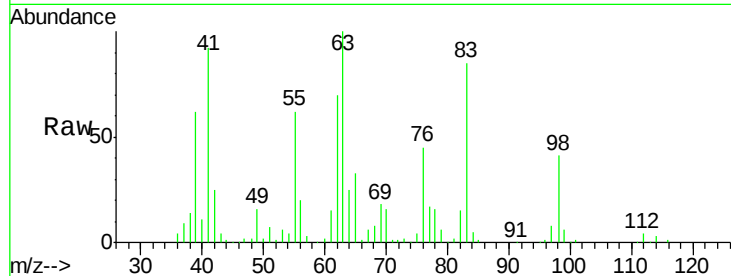




#37
 1,2-Dichloropropane
 Concen: 51.621 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025066.D
 Acq: 29 Jun 2018 12:34

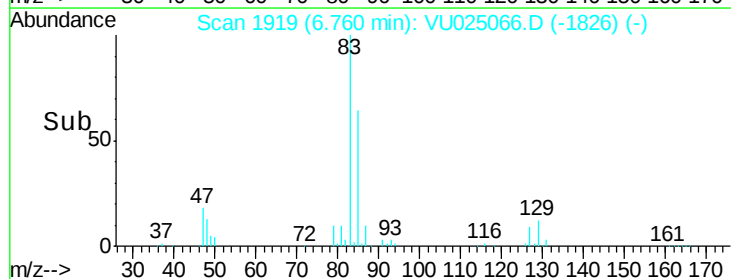
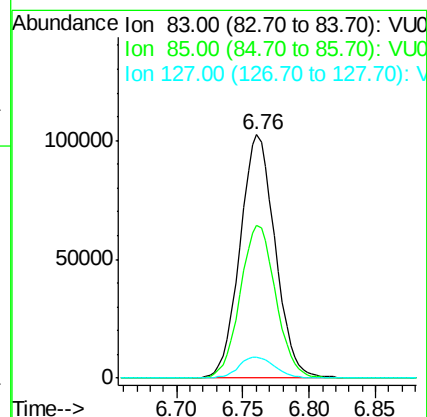
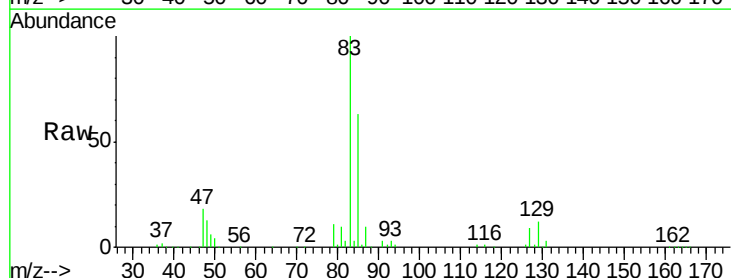
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV45

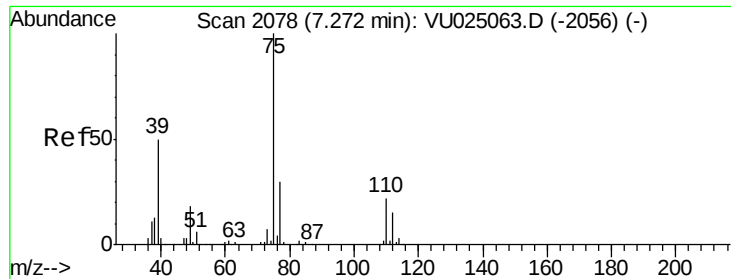
Tgt Ion: 63 Resp: 140676
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.2 4.8



#38
 Bromodichloromethane
 Concen: 52.101 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU025066.D
 Acq: 29 Jun 2018 12:34

Tgt Ion: 83 Resp: 188720
 Ion Ratio Lower Upper
 83 100
 85 62.7 45.9 85.3
 127 8.7 7.7 11.5

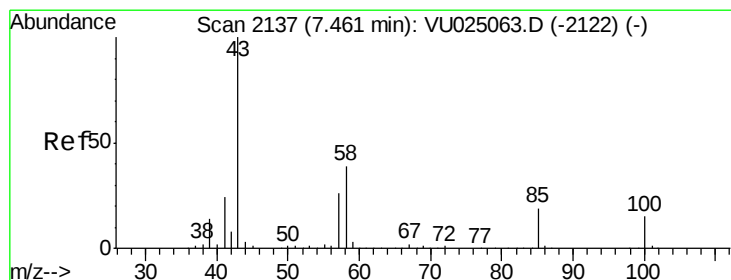
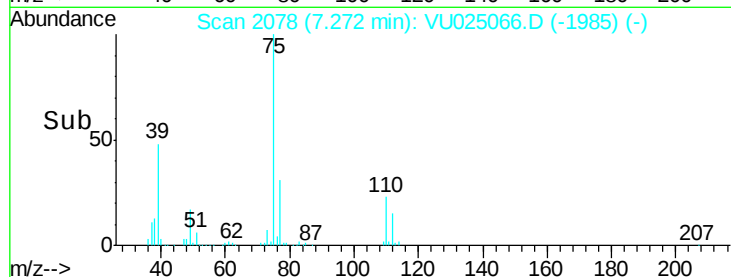
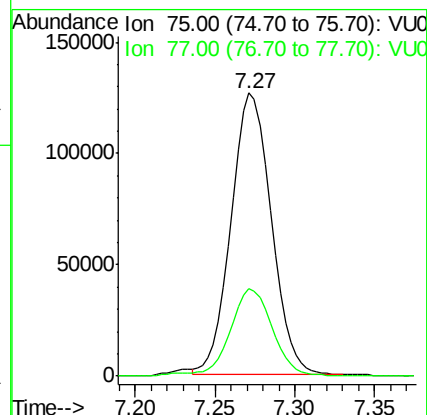
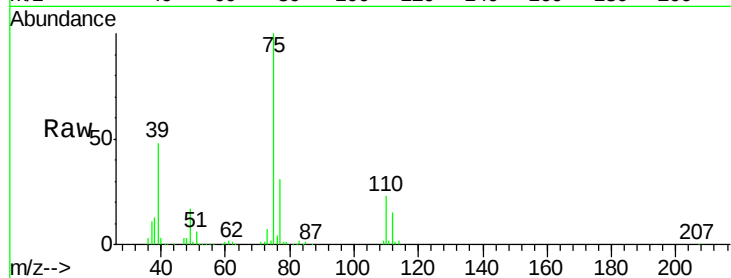




#39
 cis-1,3-Dichloropropene
 Concen: 50.200 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU025066.D
 Acq: 29 Jun 2018 12:34

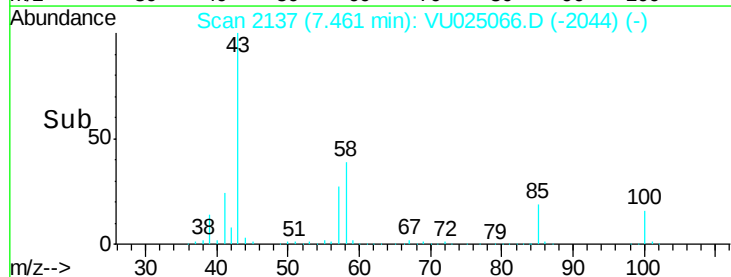
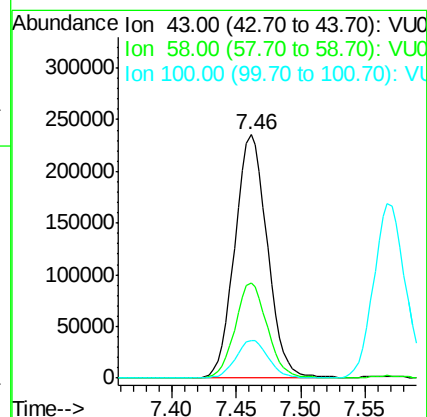
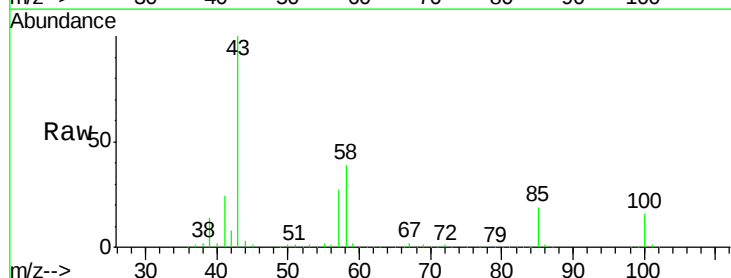
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV45

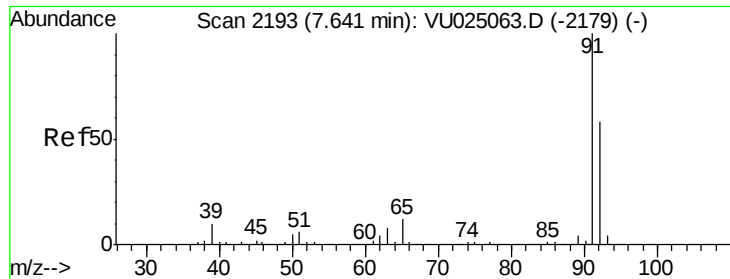
Tgt Ion: 75 Resp: 216663
 Ion Ratio Lower Upper
 75 100
 77 30.8 21.3 39.5



#40
 4-Methyl-2-pentanone
 Concen: 105.224 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025066.D
 Acq: 29 Jun 2018 12:34

Tgt Ion: 43 Resp: 413130
 Ion Ratio Lower Upper
 43 100
 58 38.6 31.0 46.6
 100 15.5 12.3 18.5





#42

Toluene

Concen: 51.636 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

Instrument :

MSVOA_U

ClientSampleId :

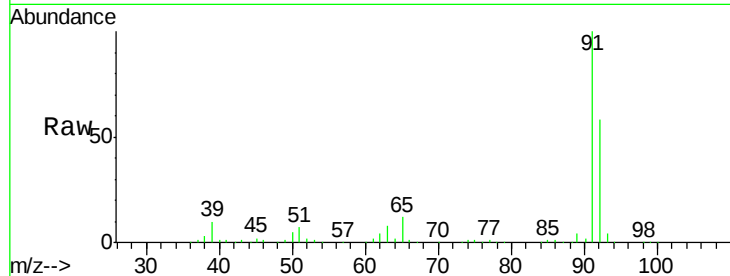
VICV45

Tgt Ion: 91 Resp: 572683

Ion Ratio Lower Upper

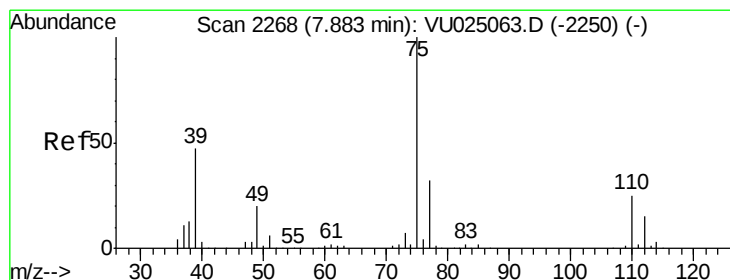
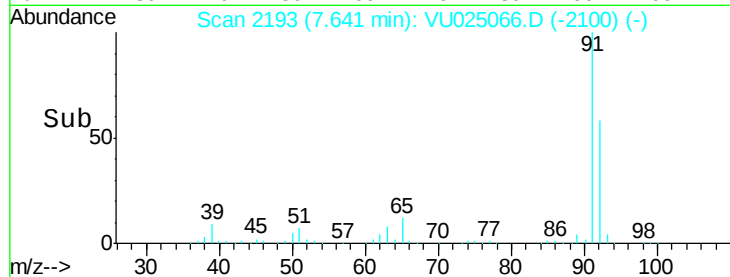
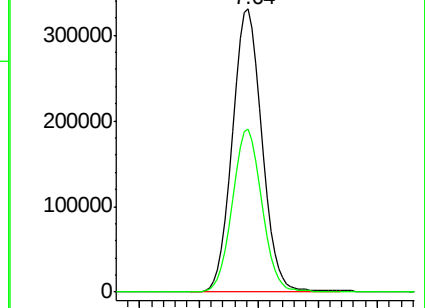
91 100

92 57.6 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 51.941 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025066.D

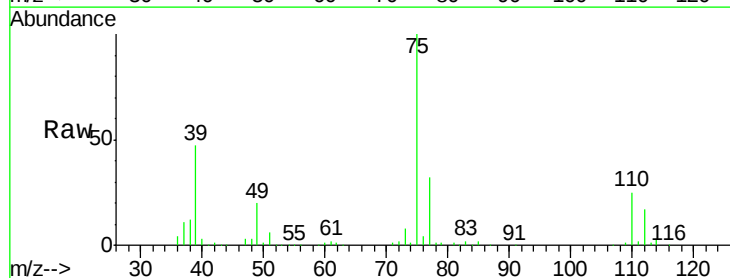
Acq: 29 Jun 2018 12:34

Tgt Ion: 75 Resp: 208545

Ion Ratio Lower Upper

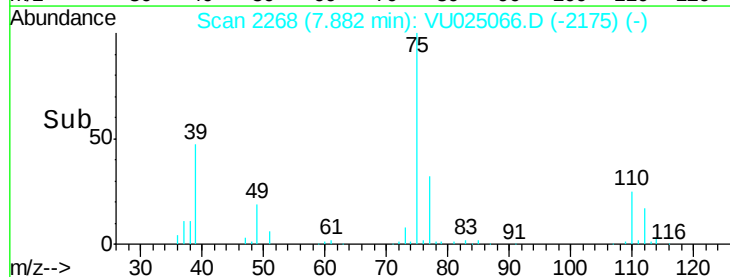
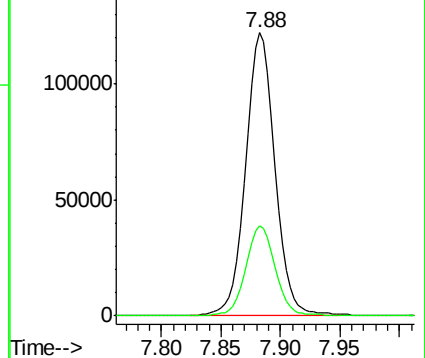
75 100

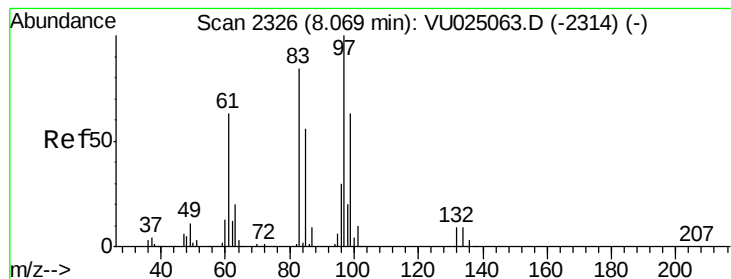
77 31.7 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 51.730 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

Instrument :

MSVOA_U

ClientSampleId :

VICV45

Tgt Ion: 97 Resp: 134525

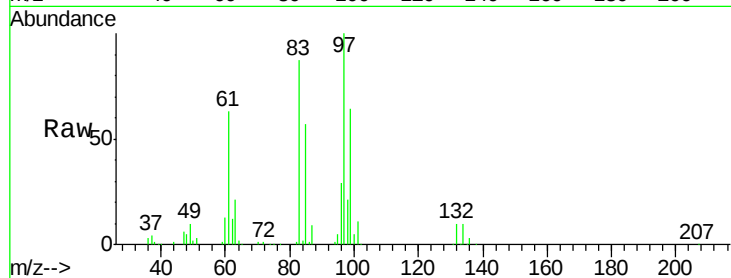
Ion Ratio Lower Upper

97 100

99 63.5 44.1 81.9

83 86.8 58.7 108.9

85 56.6 39.0 72.4

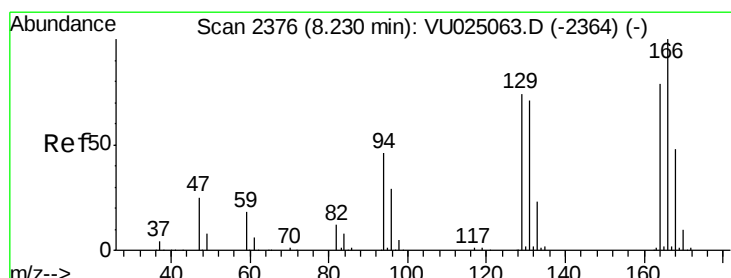
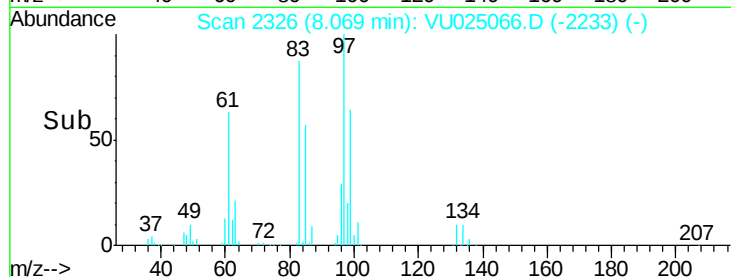
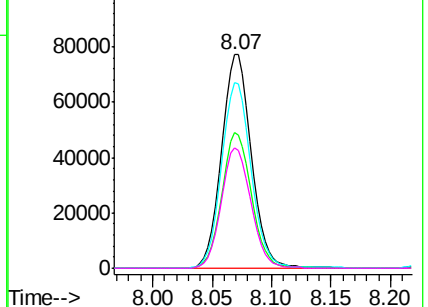


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 51.322 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

Tgt Ion: 164 Resp: 117934

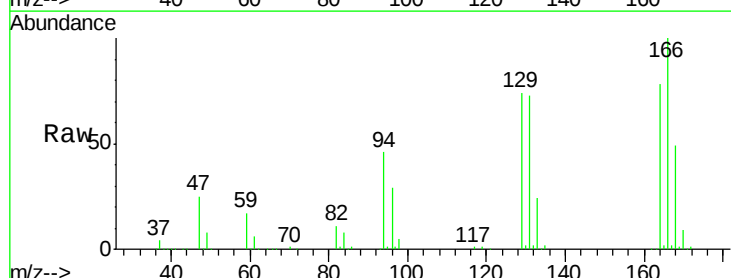
Ion Ratio Lower Upper

164 100

129 95.3 66.1 122.8

131 93.6 62.7 116.5

166 128.8 88.8 165.0

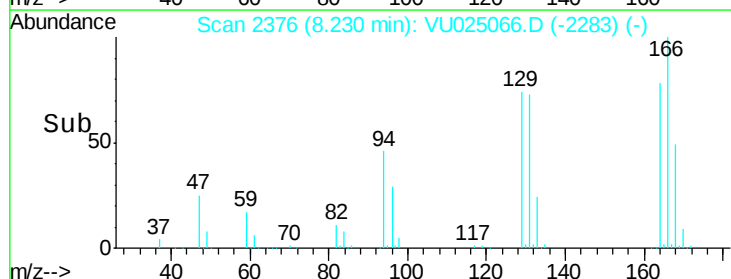
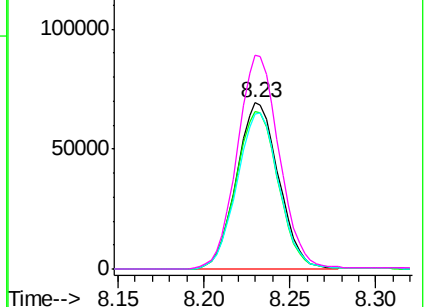


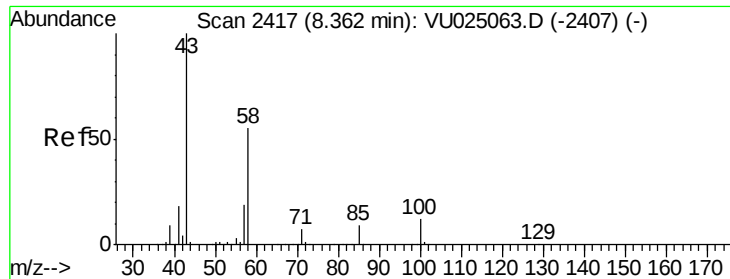
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

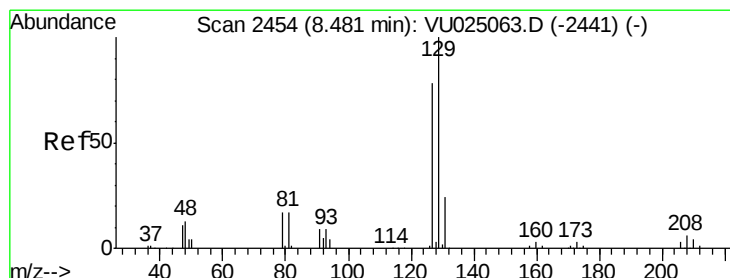
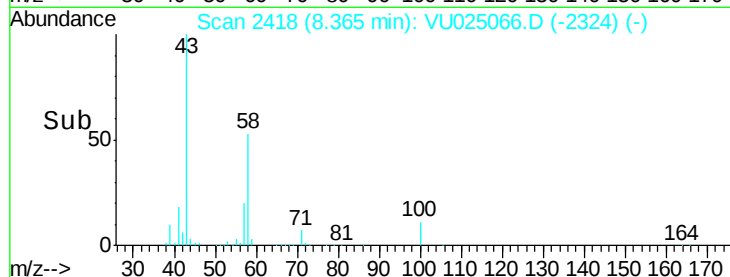
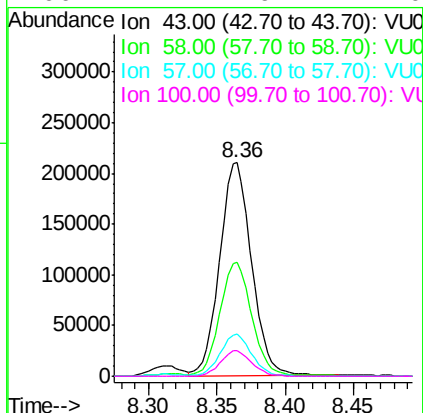
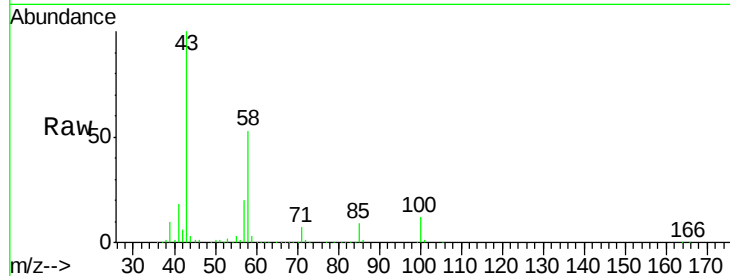




#48
2-Hexanone
Concen: 109.252 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025066.D
Acq: 29 Jun 2018 12:34

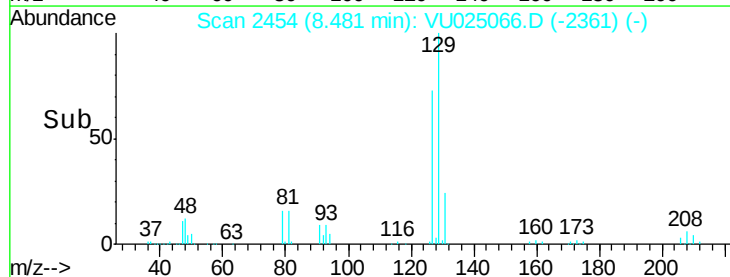
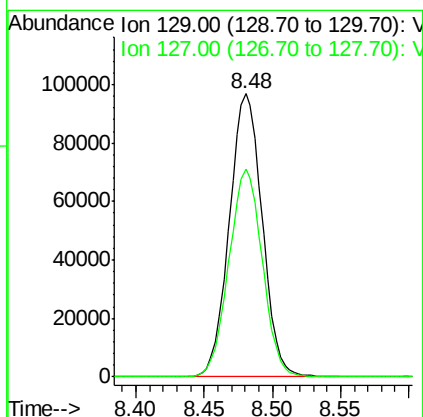
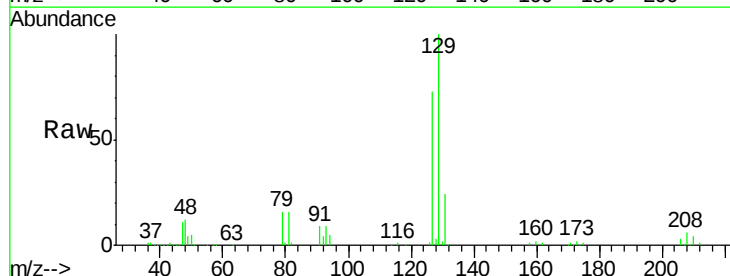
Instrument :
MSVOA_U
ClientSampleId :
VICV45

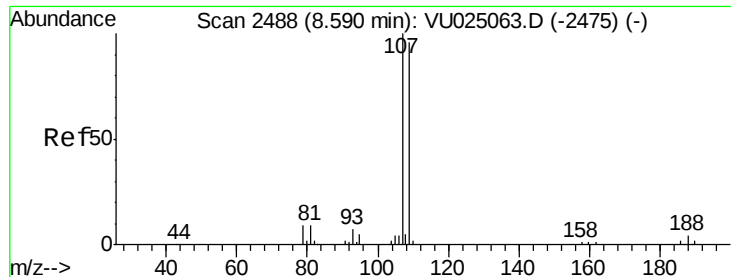
Tgt Ion: 43 Resp: 341246
Ion Ratio Lower Upper
43 100
58 53.1 43.2 64.8
57 19.5 15.8 23.8
100 11.7 9.4 14.0



#49
Dibromochloromethane
Concen: 53.115 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025066.D
Acq: 29 Jun 2018 12:34

Tgt Ion: 129 Resp: 162089
Ion Ratio Lower Upper
129 100
127 73.4 54.6 101.4

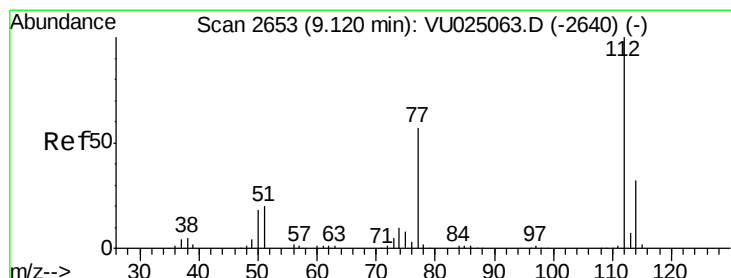
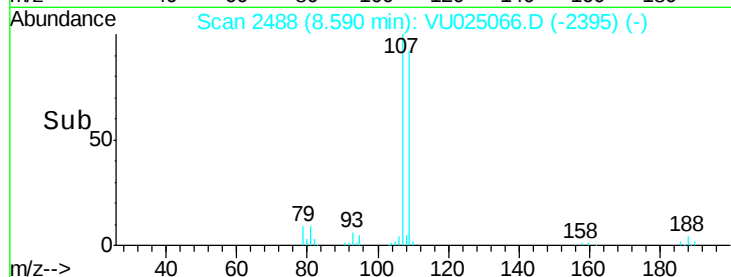
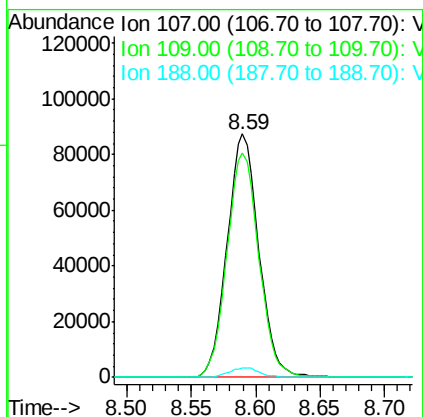
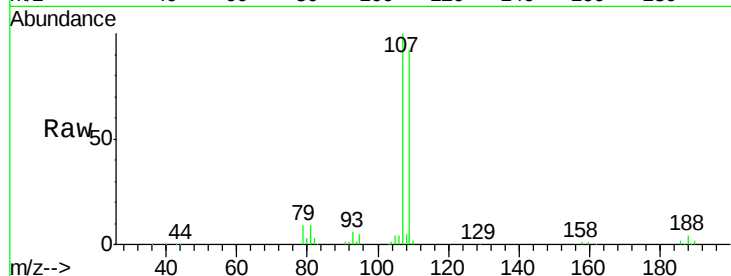




#50
1,2-Dibromoethane
Concen: 51.793 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. -0.00 min
Lab File: VU025066.D
Acq: 29 Jun 2018 12:34

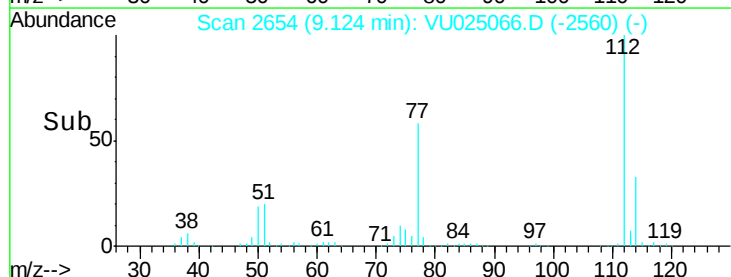
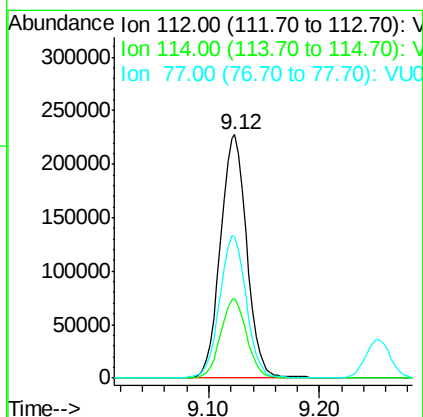
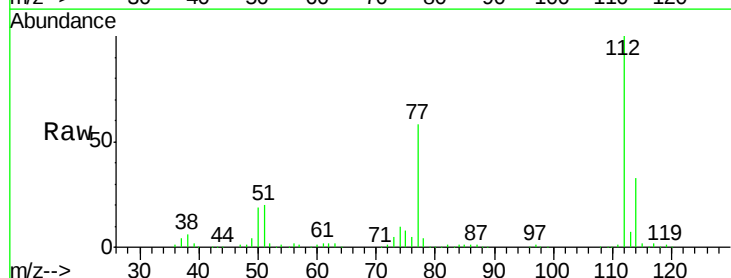
Instrument :
MSVOA_U
ClientSampleId :
VICV45

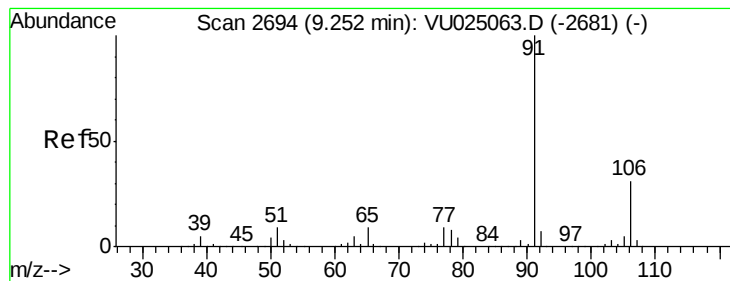
Tgt Ion:107 Resp: 148978
Ion Ratio Lower Upper
107 100
109 92.0 67.1 124.5
188 3.8 3.4 5.0



#51
Chlorobenzene
Concen: 51.001 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025066.D
Acq: 29 Jun 2018 12:34

Tgt Ion:112 Resp: 376990
Ion Ratio Lower Upper
112 100
114 32.7 22.7 42.1
77 58.0 46.2 69.4





#52

Ethylbenzene

Concen: 52.211 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

Instrument :

MSVOA_U

ClientSampleId :

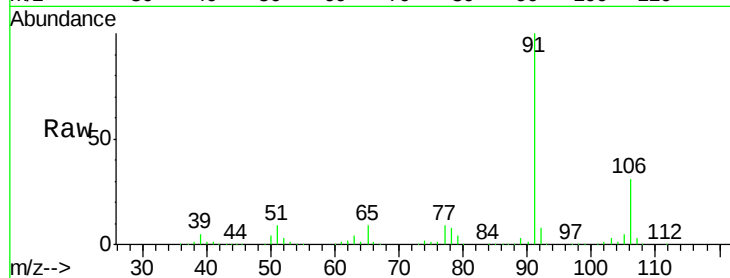
VICV45

Tgt Ion: 91 Resp: 651284

Ion Ratio Lower Upper

91 100

106 30.9 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU025066.D (-2640) (-)

Ion 106.00 (105.70 to 106.70): VU025066.D (-2640) (-)

9.25

400000

300000

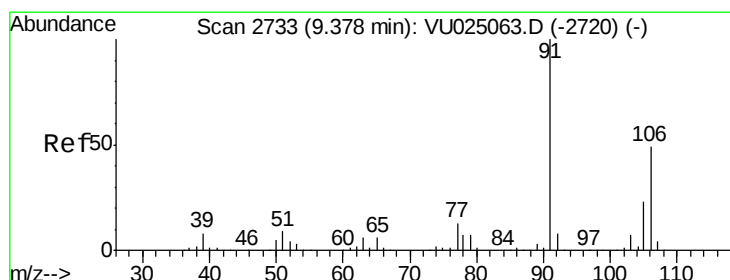
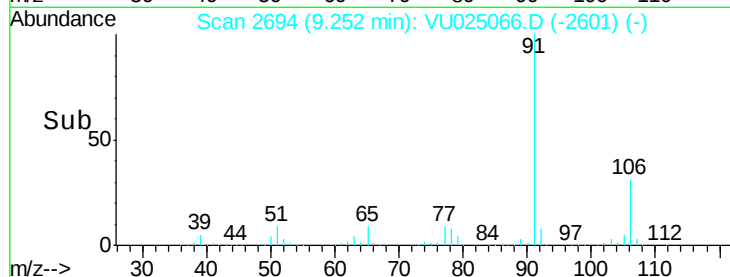
200000

100000

0

9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 52.472 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU025066.D

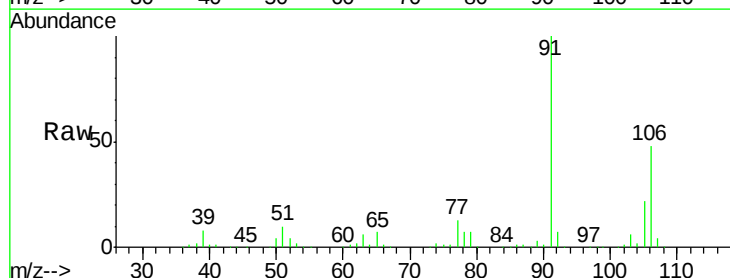
Acq: 29 Jun 2018 12:34

Tgt Ion: 106 Resp: 253294

Ion Ratio Lower Upper

106 100

91 207.5 142.0 263.8



Abundance Ion 106.00 (105.70 to 106.70): VU025066.D (-2640) (-)

Ion 91.00 (90.70 to 91.70): VU025066.D (-2640) (-)

9.38

300000

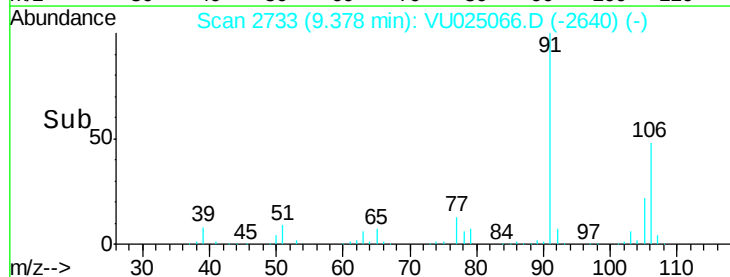
200000

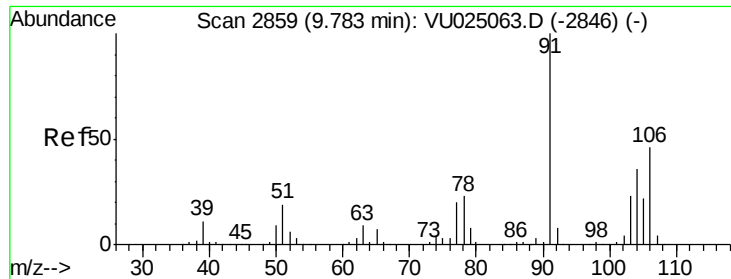
100000

0

9.30 9.35 9.40 9.45

Time-->





#54

o-xylene

Concen: 52.824 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

Instrument :

MSVOA_U

ClientSampleId :

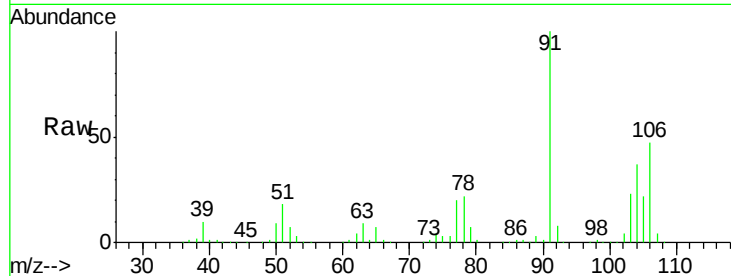
VICV45

Tgt Ion:106 Resp: 255765

Ion Ratio Lower Upper

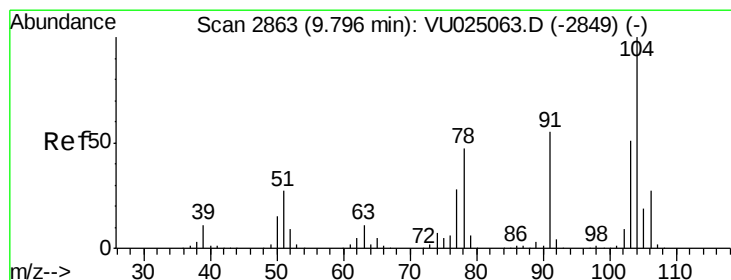
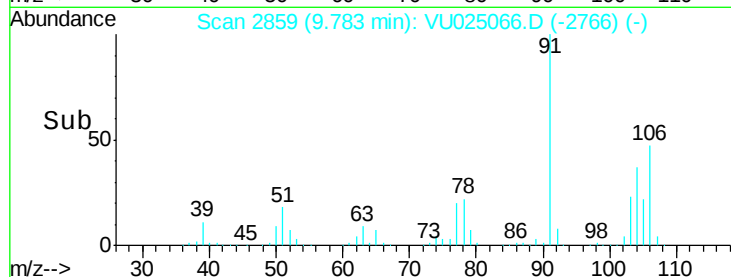
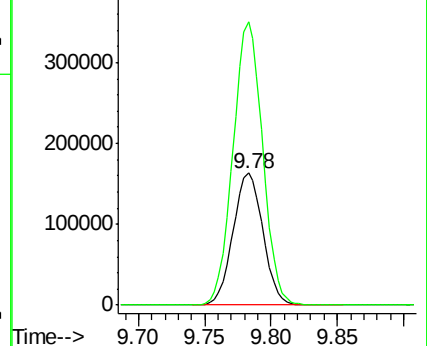
106 100

91 214.4 152.0 282.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 53.290 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU025066.D

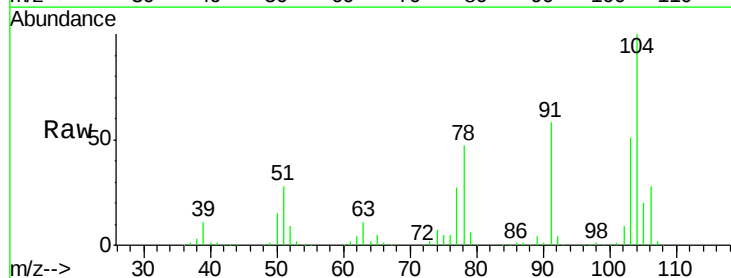
Acq: 29 Jun 2018 12:34

Tgt Ion:104 Resp: 422908

Ion Ratio Lower Upper

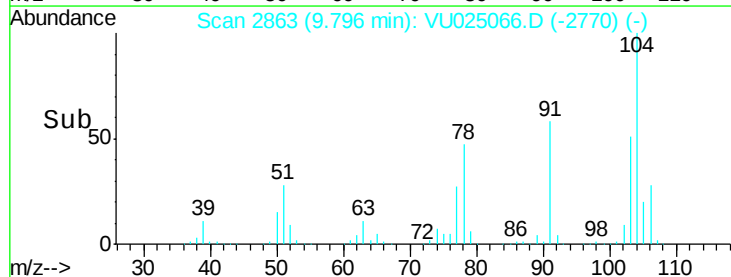
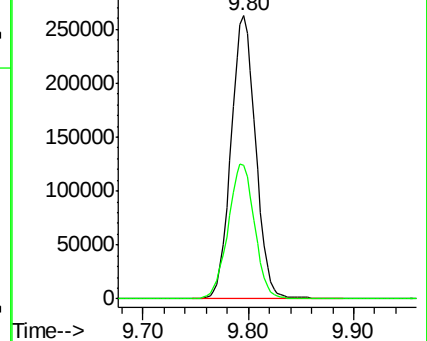
104 100

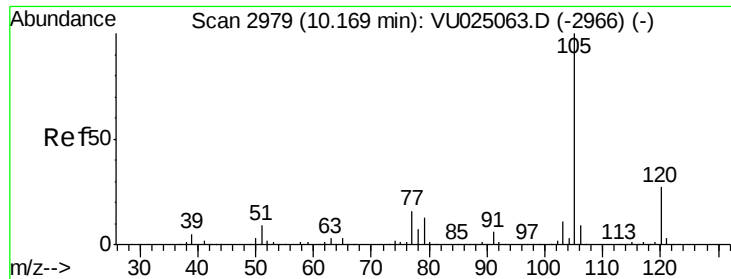
78 47.1 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 52.275 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

Instrument :

MSVOA_U

ClientSampled :

VICV45

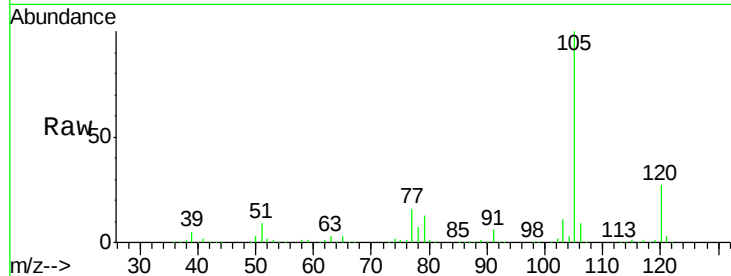
Tgt Ion: 105 Resp: 664806

Ion Ratio Lower Upper

105 100

120 27.0 21.4 32.0

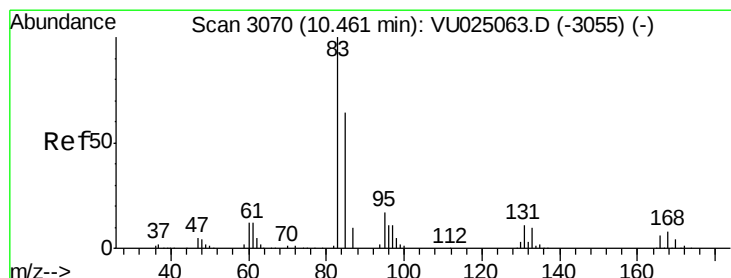
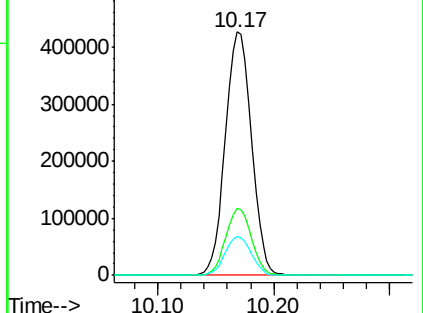
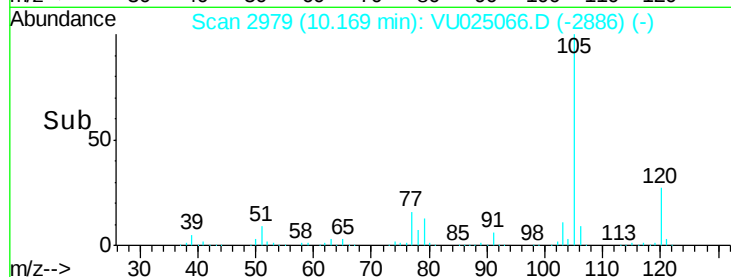
77 15.9 12.5 18.7



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: 52.269 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

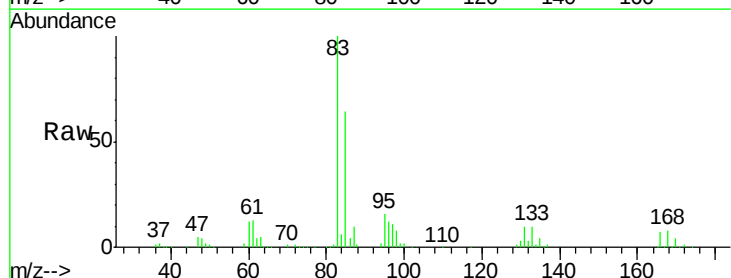
Tgt Ion: 83 Resp: 226824

Ion Ratio Lower Upper

83 100

85 63.8 45.1 83.7

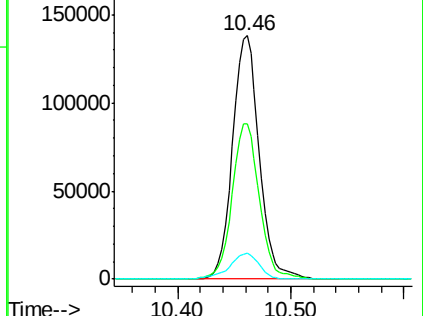
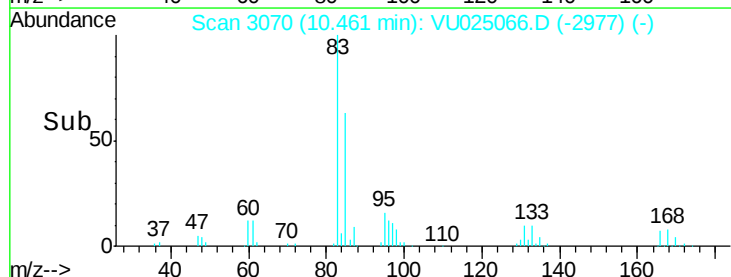
131 10.4 8.7 13.1

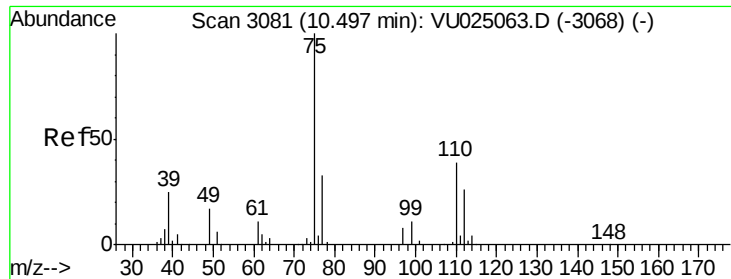


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

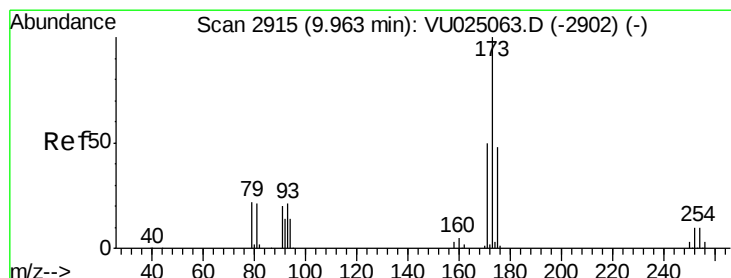
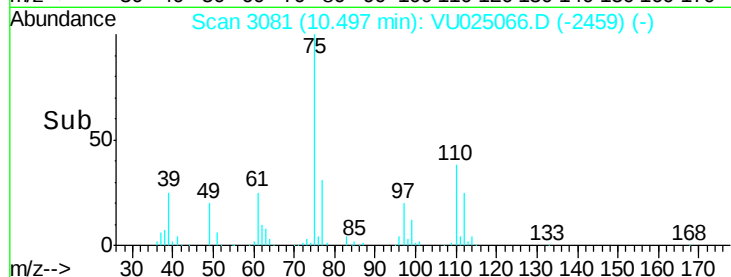
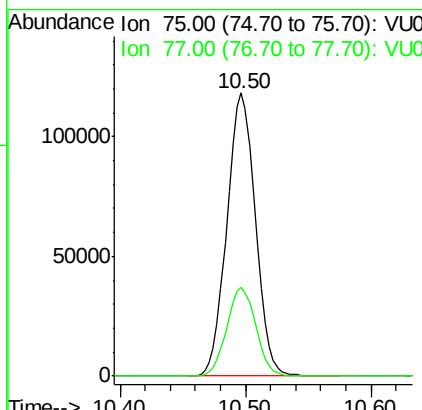
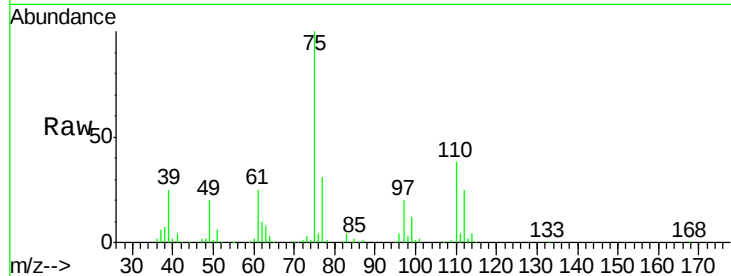




#59
 1,2,3-Trichloropropane
 Concen: 52.714 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU025066.D
 Acq: 29 Jun 2018 12:34

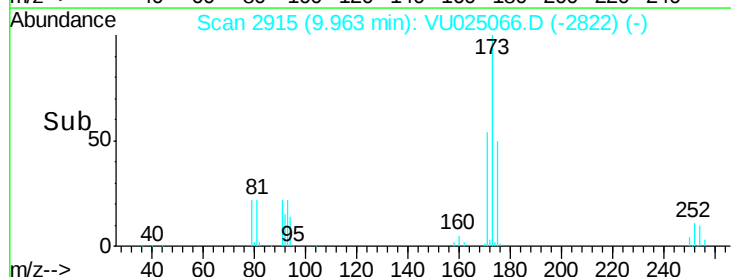
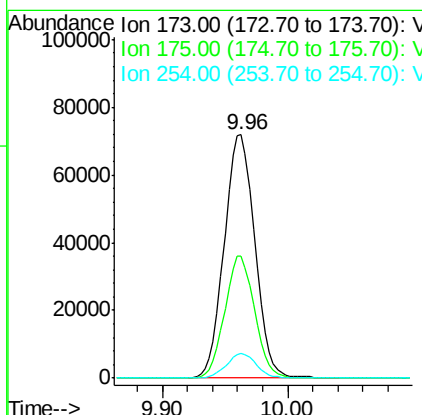
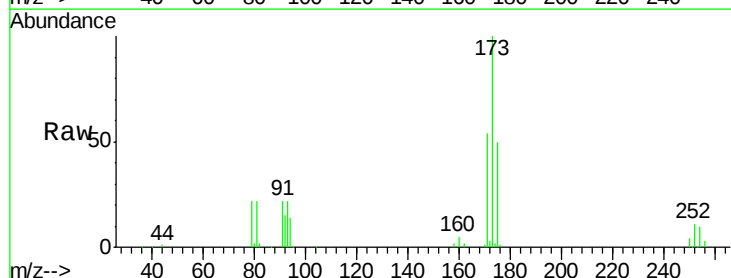
Instrument :
 MSVOA_U
 ClientSampled :
 VICV45

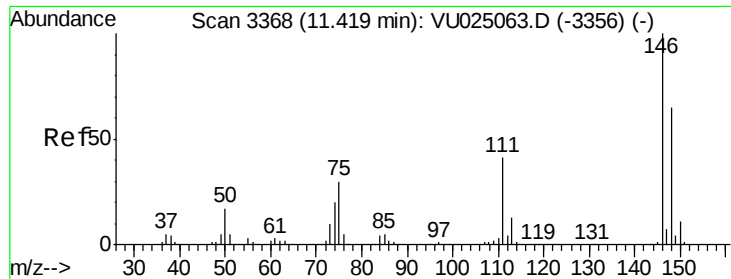
Tgt Ion: 75 Resp: 186247
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.2 39.4



#61
 Bromoform
 Concen: 52.862 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU025066.D
 Acq: 29 Jun 2018 12:34

Tgt Ion: 173 Resp: 121890
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.1 58.7
 254 9.8 7.7 11.5





#62

1,3-Dichlorobenzene

Concen: 52.097 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

Instrument :

MSVOA_U

ClientSampleId :

VICV45

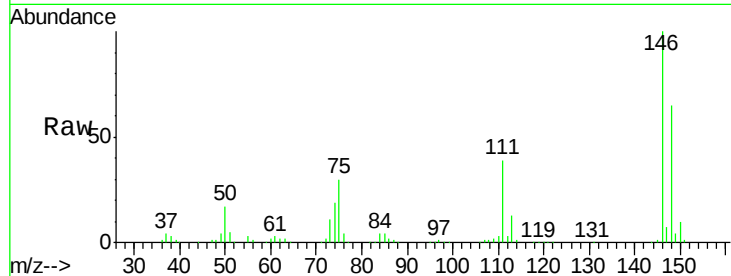
Tgt Ion:146 Resp: 306554

Ion Ratio Lower Upper

146 100

111 39.5 28.7 53.3

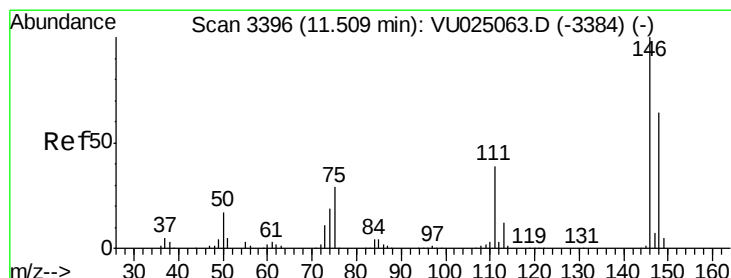
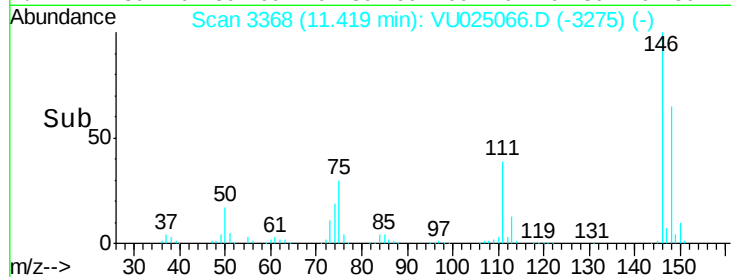
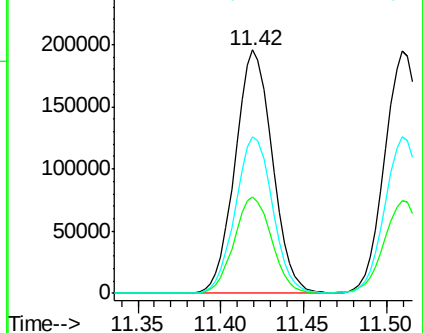
148 64.5 45.3 84.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 51.875 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

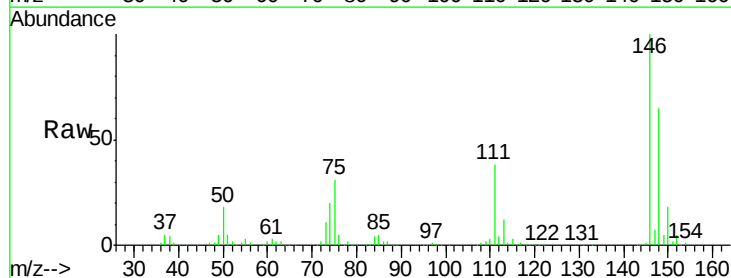
Tgt Ion:146 Resp: 307050

Ion Ratio Lower Upper

146 100

111 38.3 27.7 51.5

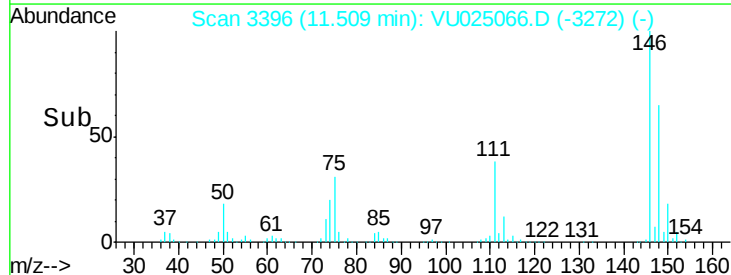
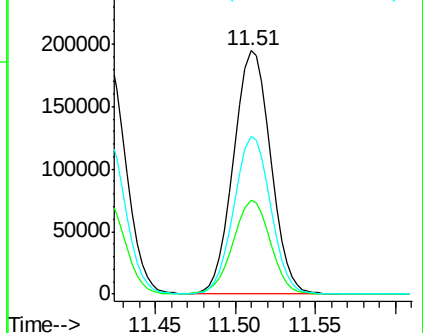
148 64.7 44.7 83.1

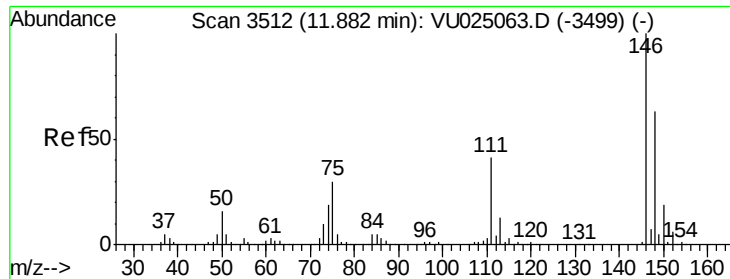


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

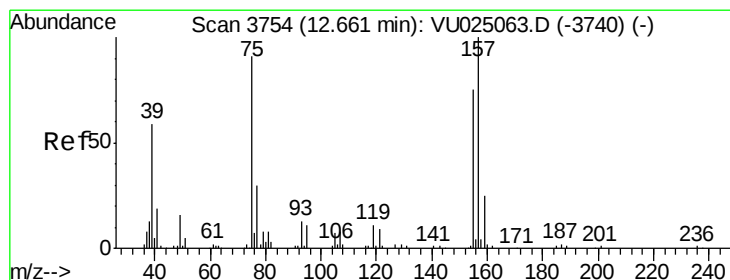
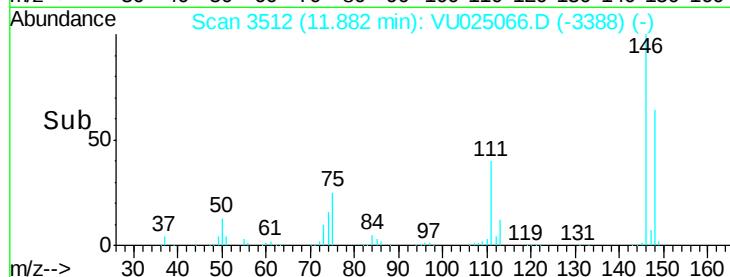
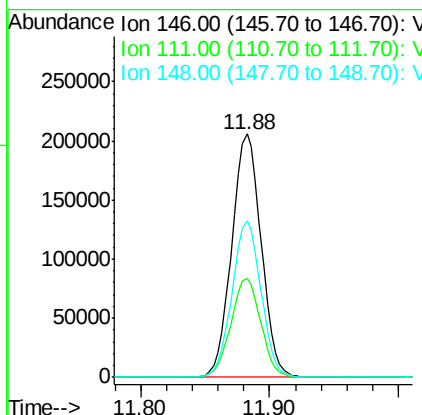
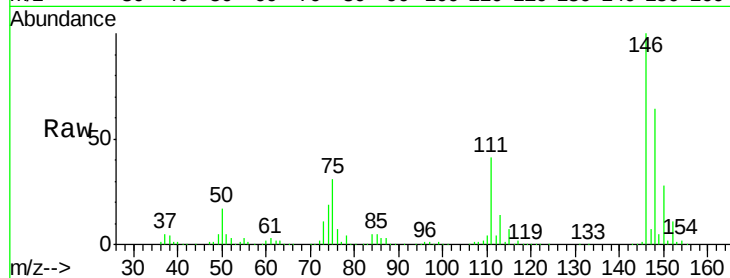




#65
 1,2-Dichlorobenzene
 Concen: 52.491 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025066.D
 Acq: 29 Jun 2018 12:34

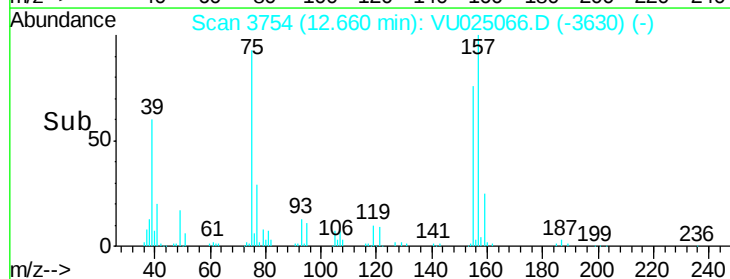
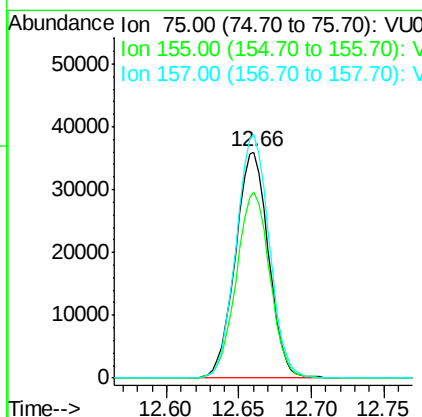
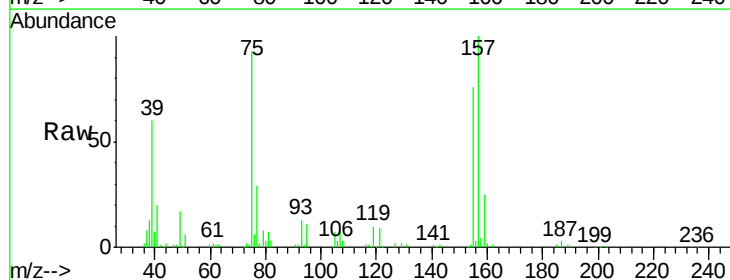
Instrument :
 MSVOA_U
 ClientSampled :
 VICV45

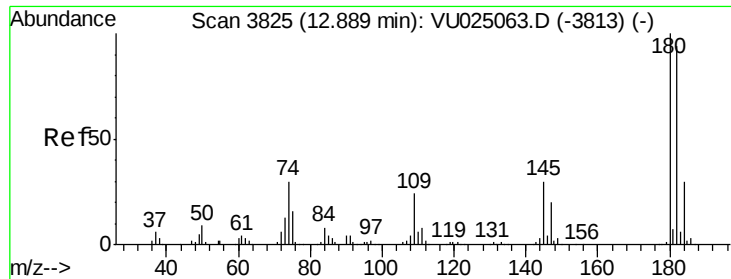
Tgt Ion:146 Resp: 326034
 Ion Ratio Lower Upper
 146 100
 111 40.9 33.0 49.4
 148 64.1 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 55.577 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU025066.D
 Acq: 29 Jun 2018 12:34

Tgt Ion: 75 Resp: 57121
 Ion Ratio Lower Upper
 75 100
 155 82.2 66.3 99.5
 157 107.8 87.9 131.9

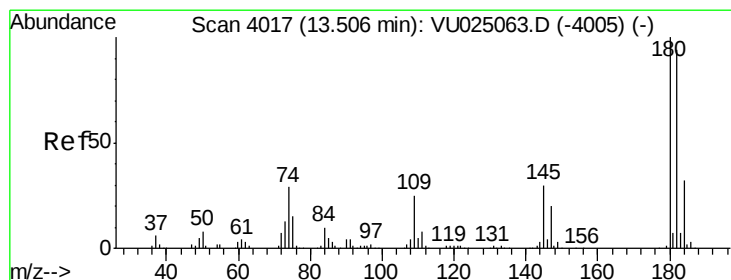
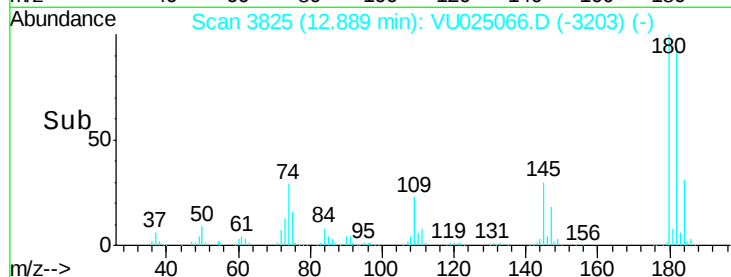
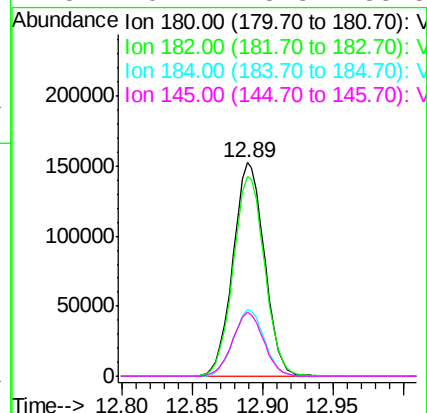
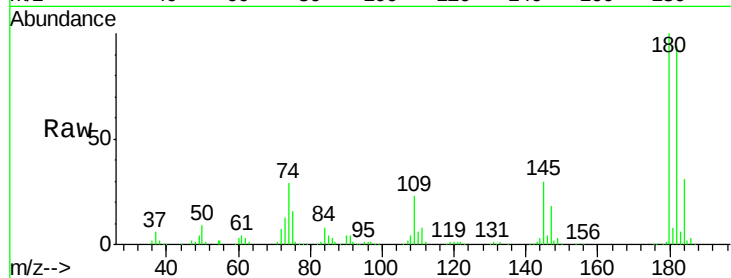




#67
 1,3,5-Trichlorobenzene
 Concen: 54.393 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU025066.D
 Acq: 29 Jun 2018 12:34

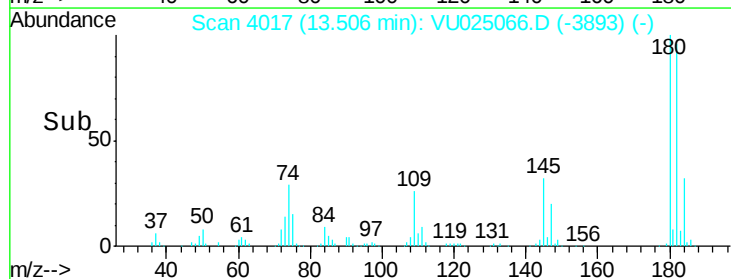
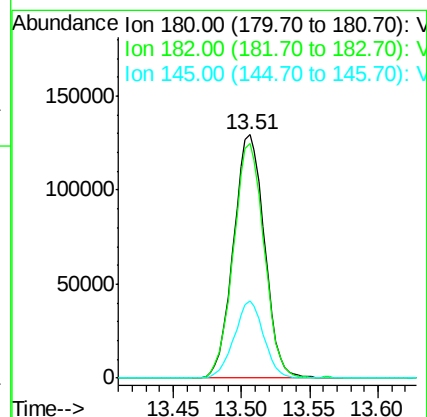
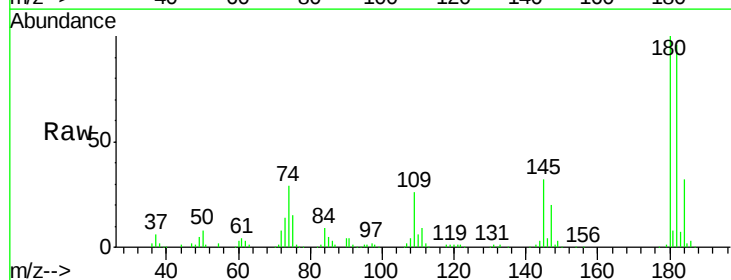
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV45

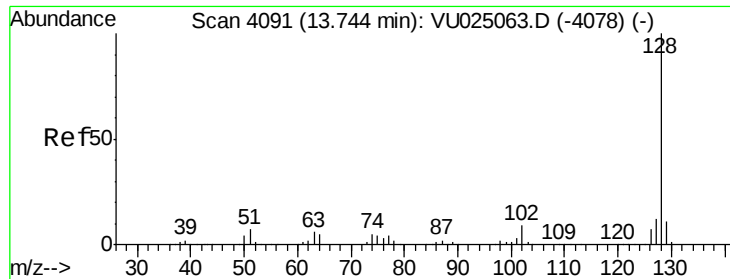
Tgt Ion:180 Resp: 237616
 Ion Ratio Lower Upper
 180 100
 182 93.8 76.8 115.2
 184 30.9 24.3 36.5
 145 29.7 23.8 35.8



#68
 1,2,4-trichlorobenzene
 Concen: 55.980 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025066.D
 Acq: 29 Jun 2018 12:34

Tgt Ion:180 Resp: 204451
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.9 113.9
 145 30.2 23.8 35.8





#69

Naphthalene

Concen: 61.101 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

Instrument :

MSVOA_U

ClientSampleId :

VICV45

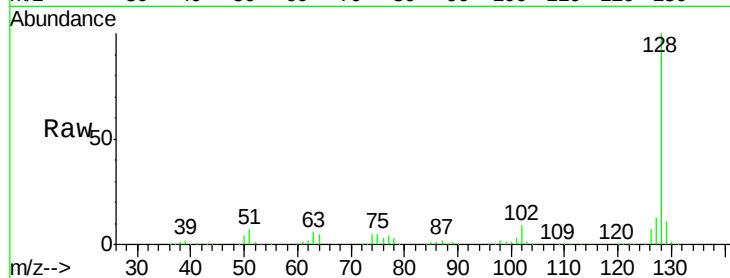
Tgt Ion:128 Resp: 742012

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

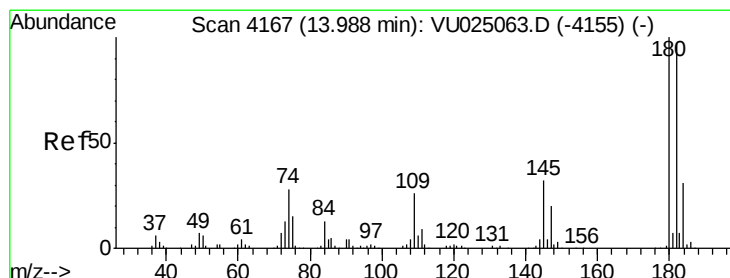
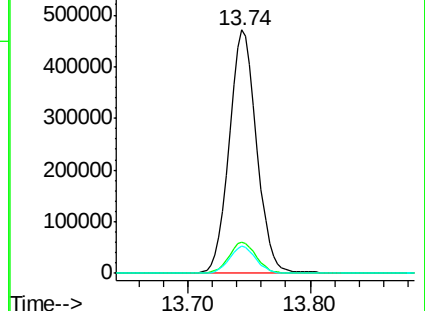
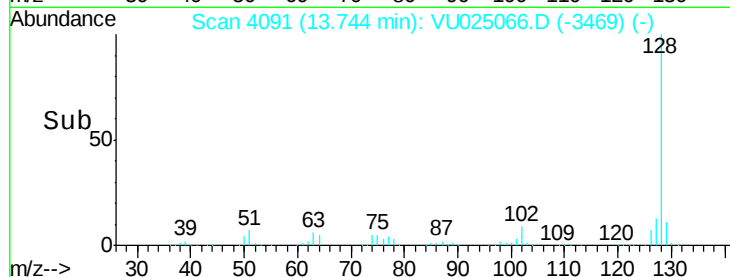
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 55.834 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025066.D

Acq: 29 Jun 2018 12:34

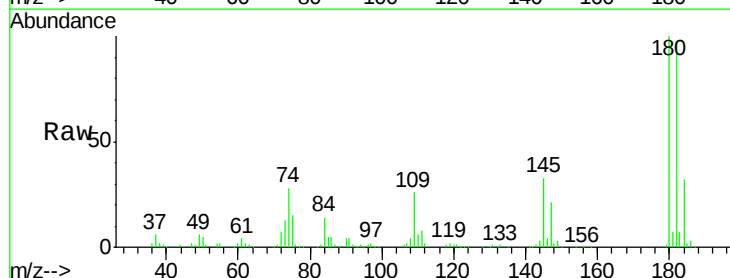
Tgt Ion:180 Resp: 219016

Ion Ratio Lower Upper

180 100

182 96.9 77.4 116.0

145 31.9 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

