

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080718\
 Data File : VU025938.D
 Acq On : 07 Aug 2018 13:02
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV45

Quant Time: Aug 08 04:21:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 07 12:44:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	384120	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	361412	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	199329	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	110256	51.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.60%
7) Chloroethane-d5	1.68	69	82181	51.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.96%
11) 1,1-Dichloroethene-d2	2.27	63	208961	50.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.38%
21) 2-Butanone-d5	4.18	46	151561	103.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.48%
24) Chloroform-d	4.65	84	211279	51.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.54%
26) 1,2-Dichloroethane-d4	5.31	65	135540	49.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.66%
32) Benzene-d6	5.35	84	413256	51.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.74%
36) 1,2-Dichloropropane-d6	6.33	67	128088	51.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.42%
41) Toluene-d8	7.57	98	405046	52.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.80%
43) trans-1,3-Dichloropropene-	7.85	79	67468	51.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.90%
47) 2-Hexanone-d5	8.31	63	108950	105.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.70%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	175695	51.21	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.42%
64) 1,2-Dichlorobenzene-d4	11.86	152	172314	52.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.66%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	152241	52.103	ug/L 100
3) Chloromethane	1.33	50	130948	53.265	ug/L 99
5) Vinyl chloride	1.40	62	137771	51.961	ug/L 98
6) Bromomethane	1.63	94	71331	60.747	ug/L 95
8) Chloroethane	1.70	64	79494	51.777	ug/L 96
9) Trichlorofluoromethane	1.89	101	195786	51.256	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	109658	51.938	ug/L 99
12) 1,1-Dichloroethene	2.28	96	100493	51.830	ug/L 98
13) Acetone	2.32	43	153111	88.311	ug/L 100
14) Carbon disulfide	2.48	76	360959	52.253	ug/L 99
15) Methyl Acetate	2.62	43	131471	49.660	ug/L 99
16) Methylene chloride	2.70	84	127507	50.463	ug/L 97
17) trans-1,2-Dichloroethene	2.99	96	125158	52.350	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	390045	51.314	ug/L 100
19) 1,1-Dichloroethane	3.45	63	222159	51.234	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	140237	52.502	ug/L 99
22) 2-Butanone	4.26	43	202818	93.567	ug/L 100

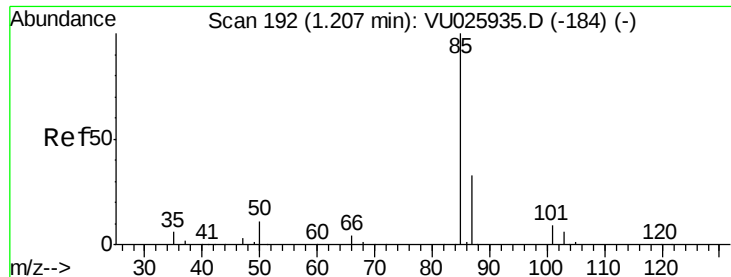
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080718\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	73365	52.314	ug/L	93
25) Chloroform	4.68	83	236208	51.421	ug/L	99
27) 1,2-Dichloroethane	5.41	62	187578	51.208	ug/L	98
29) Cyclohexane	5.00	56	202513	53.171	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	210544	51.179	ug/L	99
31) Carbon tetrachloride	5.14	117	193748	52.666	ug/L	99
33) Benzene	5.39	78	490143	51.884	ug/L	100
34) Trichloroethene	6.19	95	135142	51.405	ug/L	99
35) Methylcyclohexane	6.42	83	212506	53.404	ug/L	99
37) 1,2-Dichloropropane	6.44	63	133204	52.776	ug/L	100
38) Bromodichloromethane	6.76	83	179265	52.250	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	217301	52.859	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	350654	101.889	ug/L	99
42) Toluene	7.64	91	541450	52.519	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	205014	52.762	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	125472	52.045	ug/L	99
46) Tetrachloroethene	8.23	164	118755	52.557	ug/L	99
48) 2-Hexanone	8.36	43	280804	101.135	ug/L	99
49) Dibromochloromethane	8.48	129	155193	52.408	ug/L	100
50) 1,2-Dibromoethane	8.59	107	140612	51.995	ug/L	98
51) Chlorobenzene	9.12	112	365798	51.816	ug/L	99
52) Ethylbenzene	9.25	91	610621	52.060	ug/L	100
53) m,p-Xylene	9.38	106	242422	52.687	ug/L	97
54) o-xylene	9.78	106	233124	53.208	ug/L	98
55) Styrene	9.80	104	397428	53.835	ug/L	100
56) Isopropylbenzene	10.17	105	614396	52.762	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	205140	50.612	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	163974	51.046	ug/L	100
61) Bromoform	9.96	173	119429	52.468	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	308029	51.652	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	314064	51.692	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	309608	51.777	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	46039	50.663	ug/L	90
67) 1,3,5-Trichlorobenzene	12.89	180	240676	54.769	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	214889	56.345	ug/L	98
69) Naphthalene	13.75	128	649727	57.970	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	217727	55.721	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 52.103 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

Instrument :

MSVOA_U

ClientSampleId :

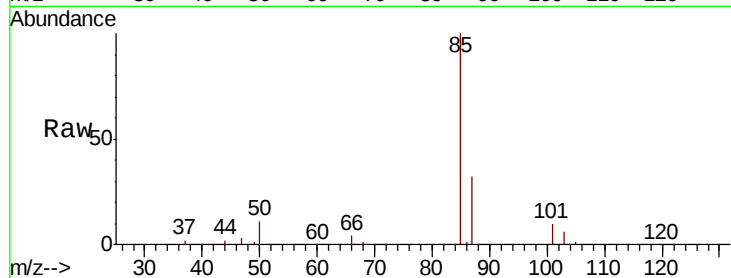
VICV45

Tgt Ion: 85 Resp: 152241

Ion Ratio Lower Upper

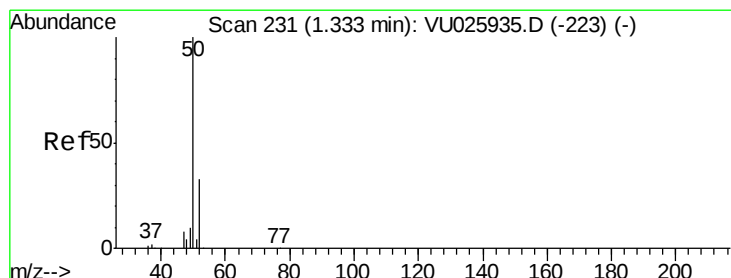
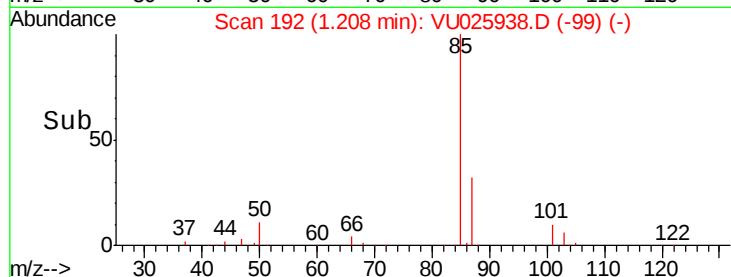
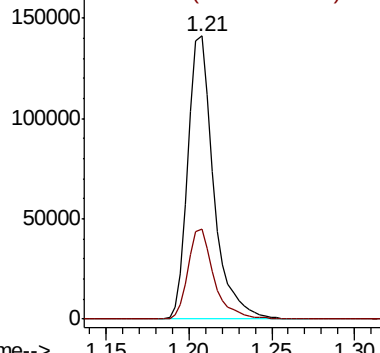
85 100

87 32.0 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 53.265 ug/L

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025938.D

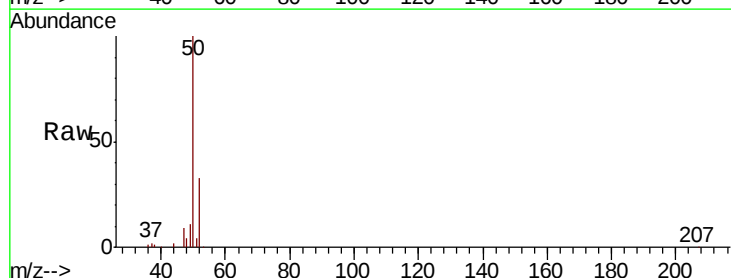
Acq: 07 Aug 2018 13:02

Tgt Ion: 50 Resp: 130948

Ion Ratio Lower Upper

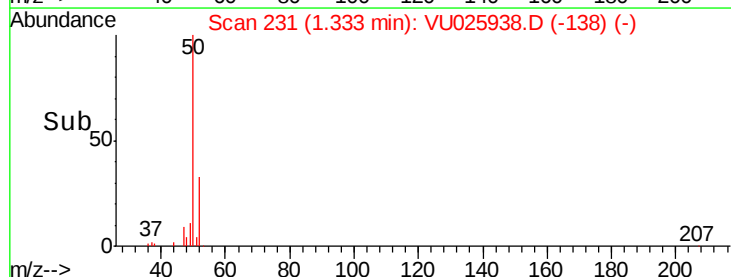
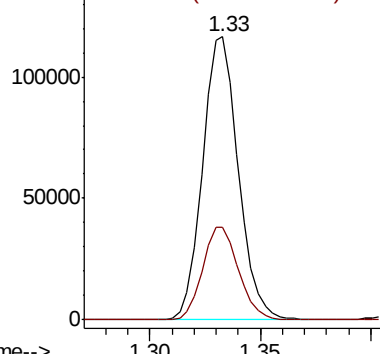
50 100

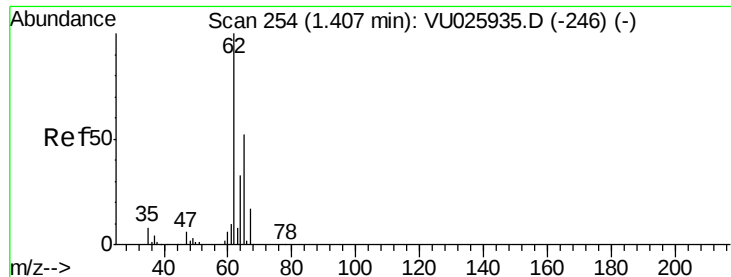
52 32.9 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 51.961 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

Instrument :

MSVOA_U

ClientSampleId :

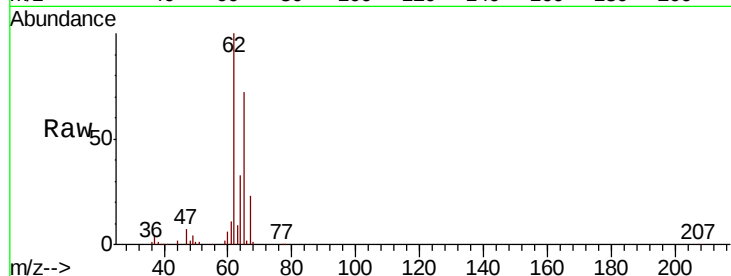
VICV45

Tgt Ion: 62 Resp: 137771

Ion Ratio Lower Upper

62 100

64 33.4 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

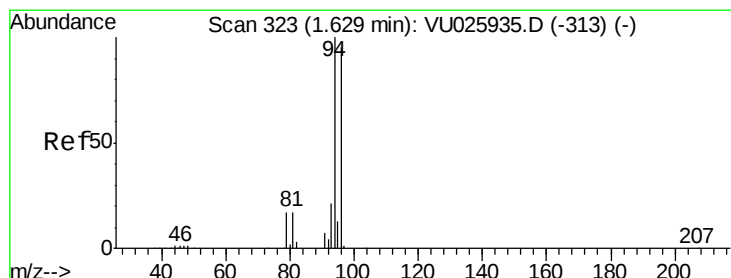
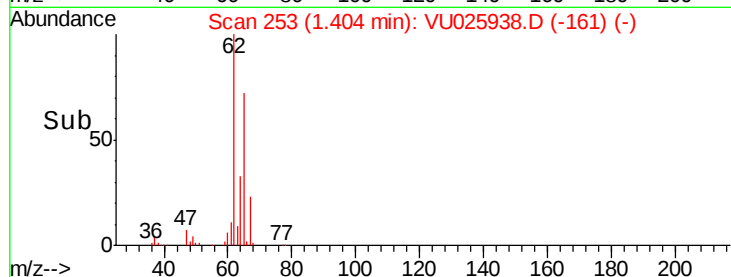
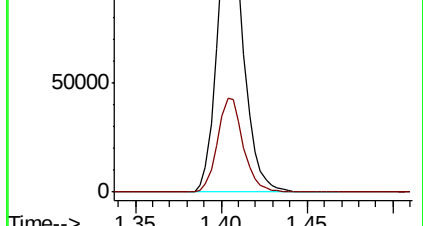
150000

100000

50000

0

1.35 1.40 1.45



#6

Bromomethane

Concen: 60.747 ug/L

RT: 1.63 min Scan# 323

Delta R.T. 0.00 min

Lab File: VU025938.D

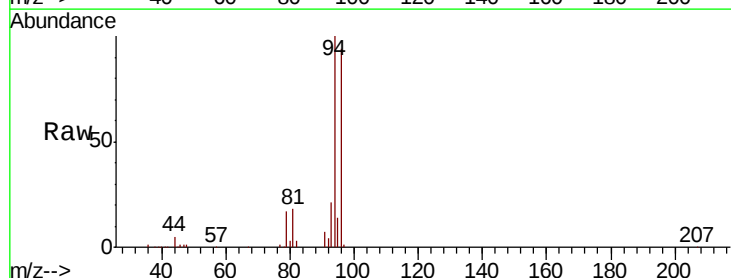
Acq: 07 Aug 2018 13:02

Tgt Ion: 94 Resp: 71331

Ion Ratio Lower Upper

94 100

96 93.6 62.4 115.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

60000

50000

40000

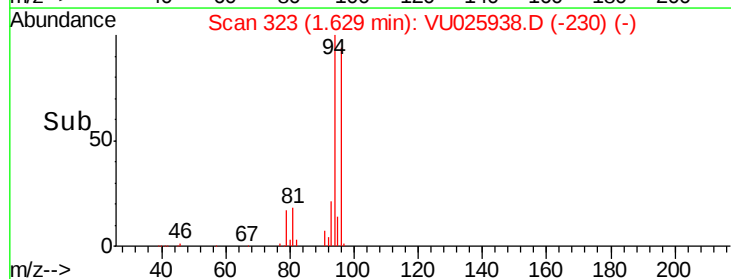
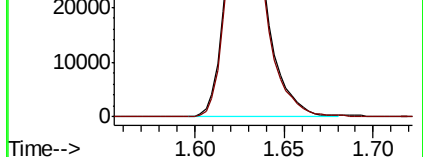
30000

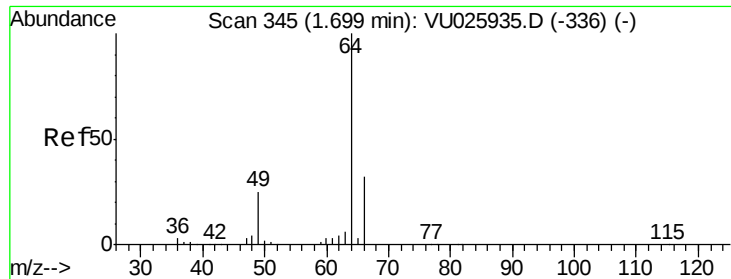
20000

10000

0

1.60 1.63 1.70





#8

Chloroethane

Concen: 51.777 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

Instrument :

MSVOA_U

ClientSampleId :

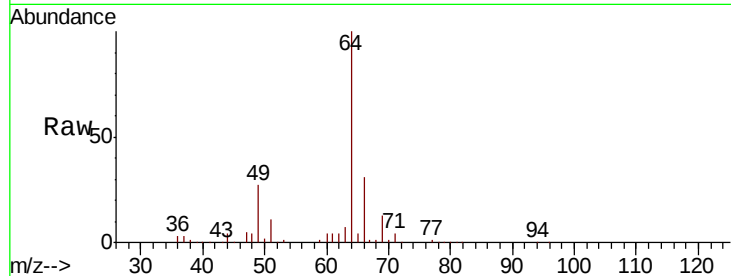
VICV45

Tgt Ion: 64 Resp: 79494

Ion Ratio Lower Upper

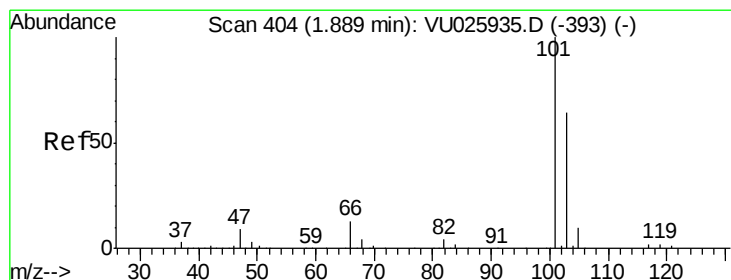
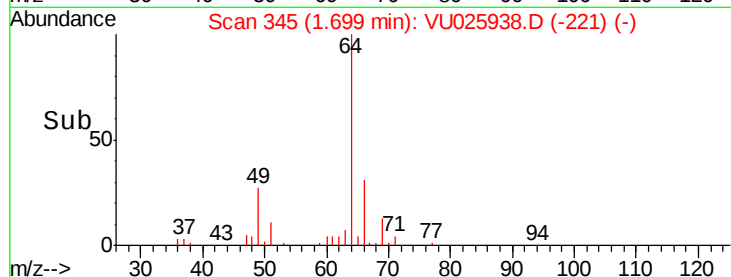
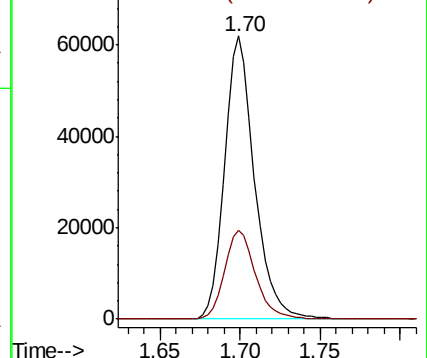
64 100

66 31.4 23.5 43.7



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 51.256 ug/L

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU025938.D

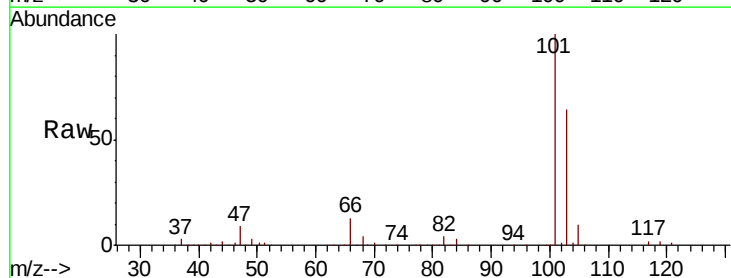
Acq: 07 Aug 2018 13:02

Tgt Ion: 101 Resp: 195786

Ion Ratio Lower Upper

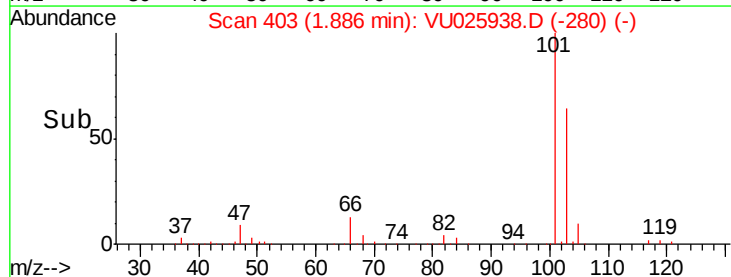
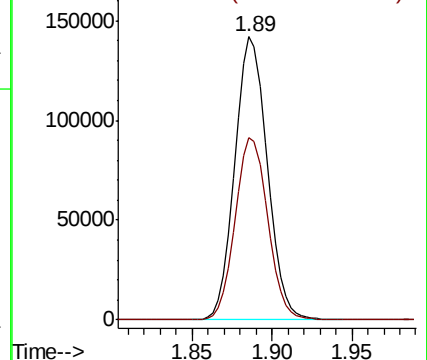
101 100

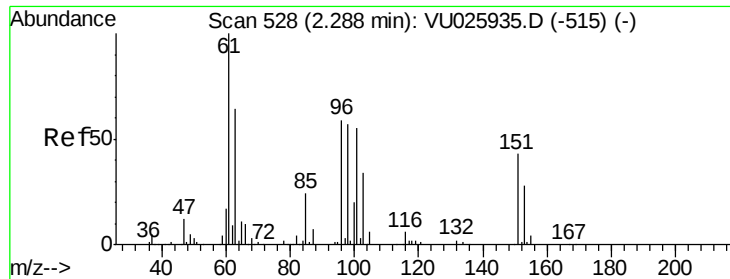
103 64.6 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 51.938 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

Instrument :

MSVOA_U

ClientSampleId :

VICV45

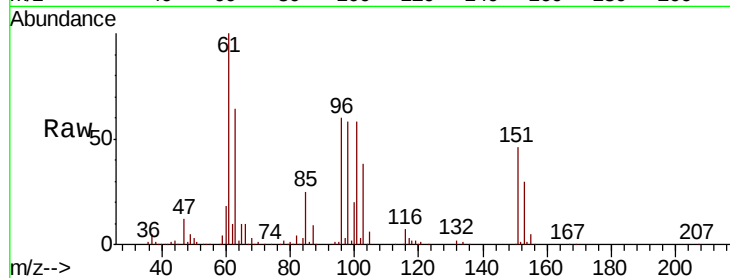
Tgt Ion: 101 Resp: 109658

Ion Ratio Lower Upper

101 100

85 43.5 35.5 53.3

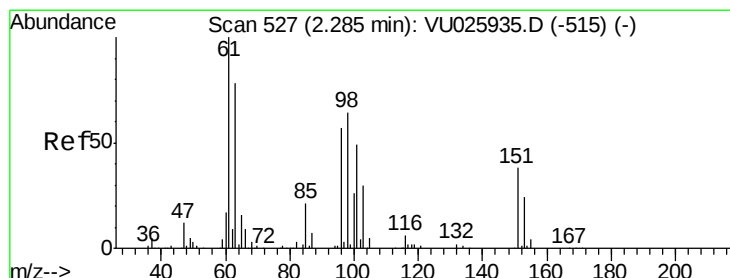
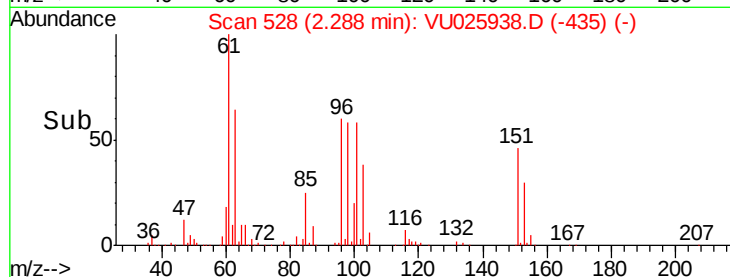
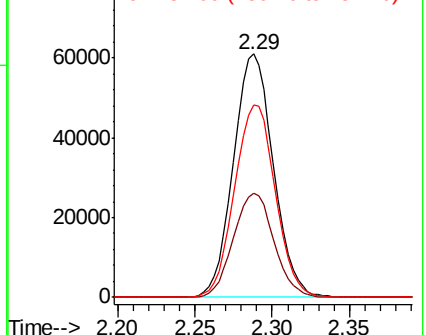
151 80.7 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 51.830 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

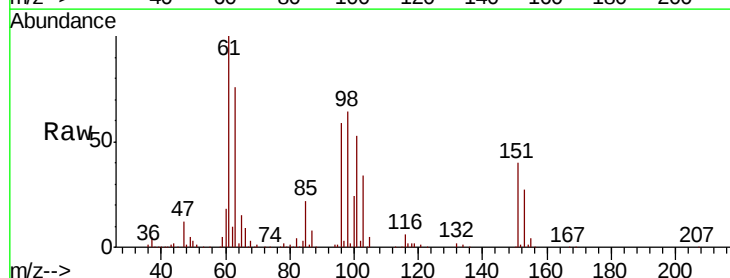
Tgt Ion: 96 Resp: 100493

Ion Ratio Lower Upper

96 100

61 170.5 122.5 227.5

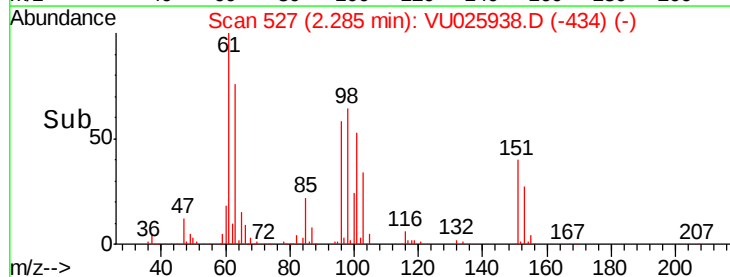
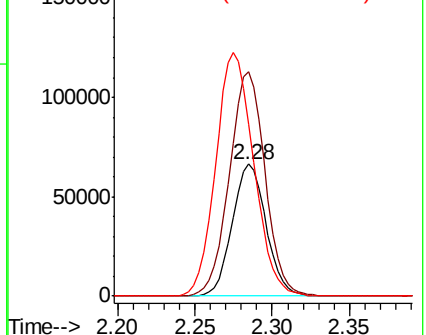
63 130.1 90.9 168.9

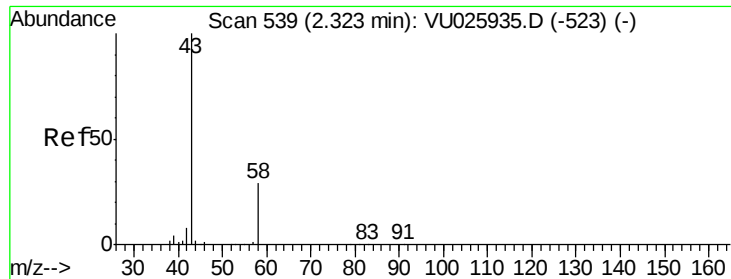


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 88.311 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

Instrument :

MSVOA_U

ClientSampleId :

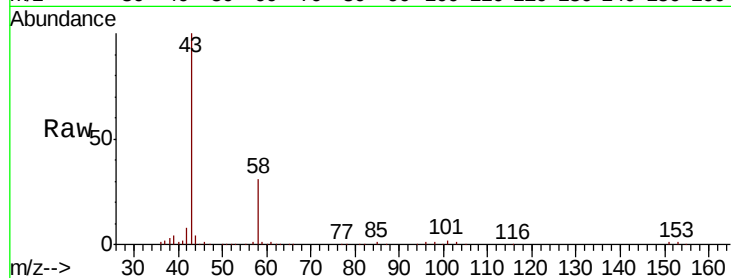
VICV45

Tgt Ion: 43 Resp: 153111

Ion Ratio Lower Upper

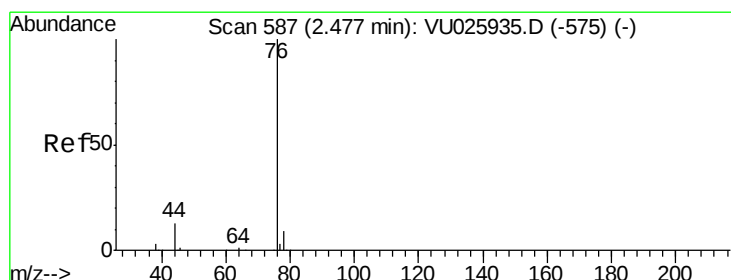
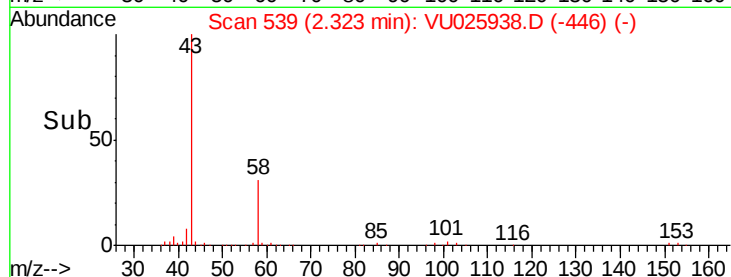
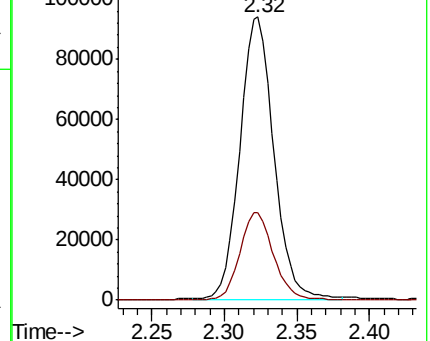
43 100

58 30.7 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU025938.D (-446) (-)

Ion 58.00 (57.70 to 58.70): VU025938.D (-446) (-)



#14

Carbon disulfide

Concen: 52.253 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025938.D

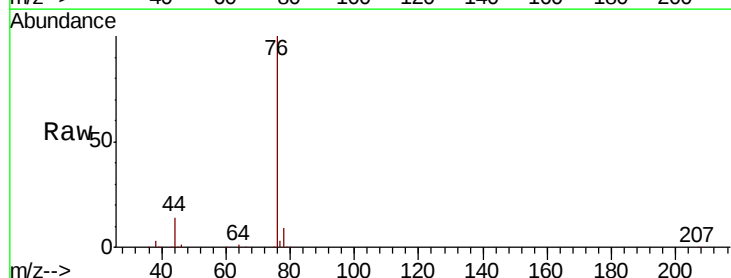
Acq: 07 Aug 2018 13:02

Tgt Ion: 76 Resp: 360959

Ion Ratio Lower Upper

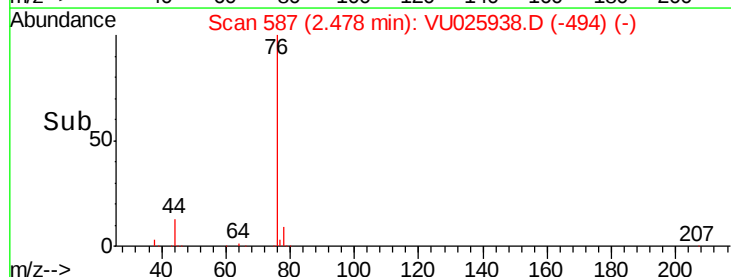
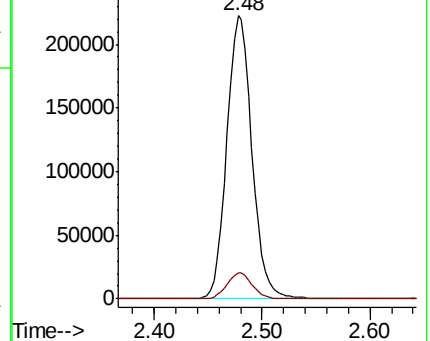
76 100

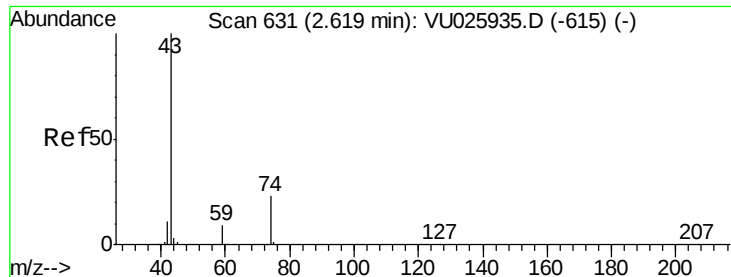
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU025938.D (-494) (-)

Ion 78.00 (77.70 to 78.70): VU025938.D (-494) (-)





#15

Methyl Acetate

Concen: 49.660 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

Instrument :

MSVOA_U

ClientSampleId :

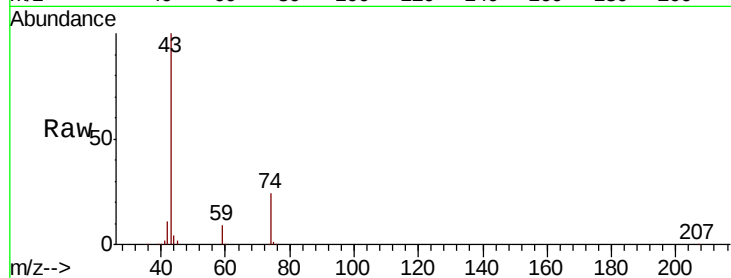
VICV45

Tgt Ion: 43 Resp: 131471

Ion Ratio Lower Upper

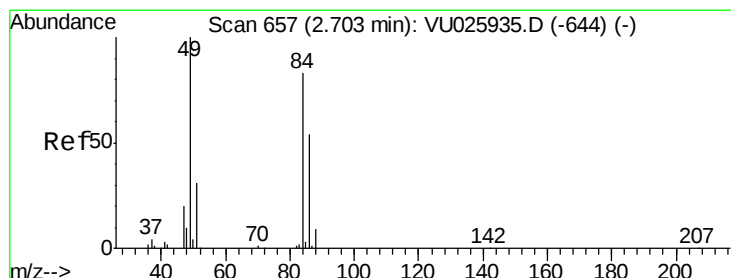
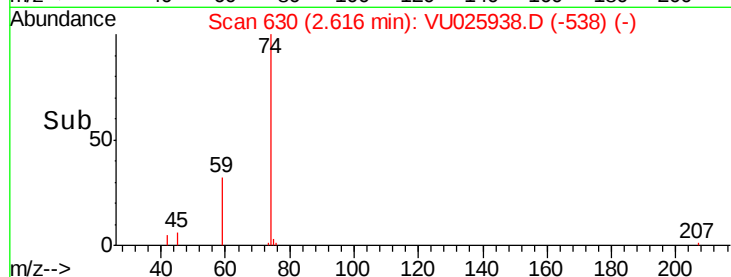
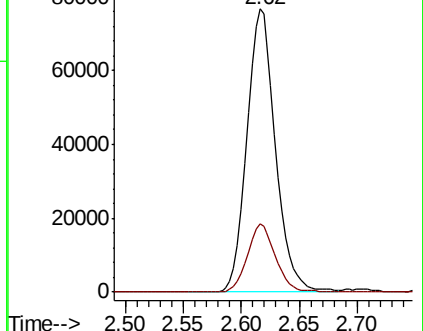
43 100

74 23.6 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VU025938.D (-615) (-)

Ion 74.00 (73.70 to 74.70): VU025938.D (-615) (-)



#16

Methylene chloride

Concen: 50.463 ug/L

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

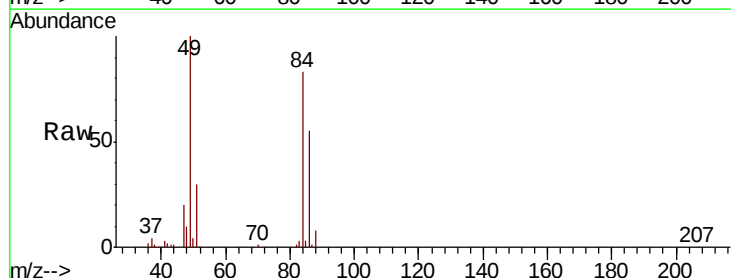
Tgt Ion: 84 Resp: 127507

Ion Ratio Lower Upper

84 100

86 66.0 45.6 84.6

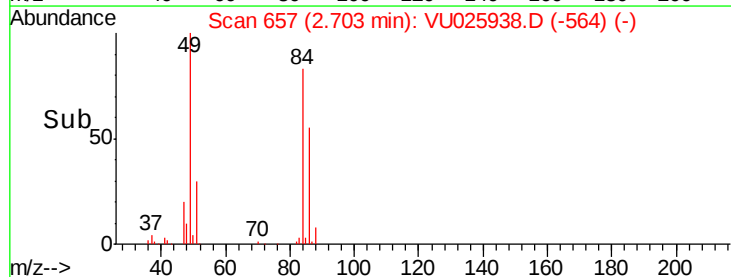
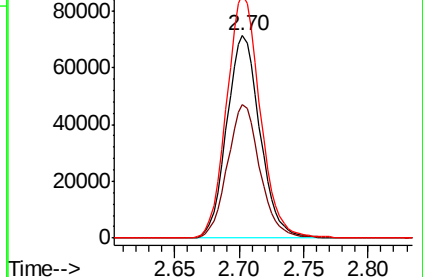
49 120.3 87.0 161.6

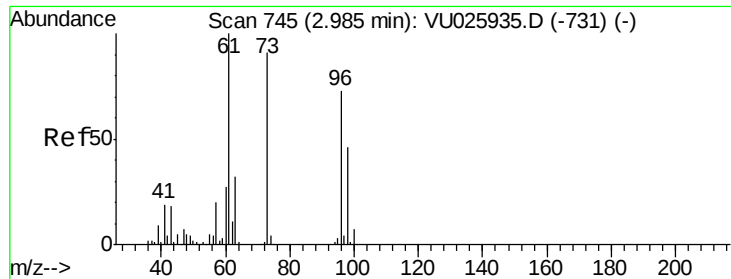


Abundance Ion 84.00 (83.70 to 84.70): VU025938.D (-644) (-)

Ion 86.00 (85.70 to 86.70): VU025938.D (-644) (-)

Ion 49.00 (48.70 to 49.70): VU025938.D (-644) (-)





#17

trans-1,2-Dichloroethene

Concen: 52.350 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

Instrument :

MSVOA_U

ClientSampleId :

VICV45

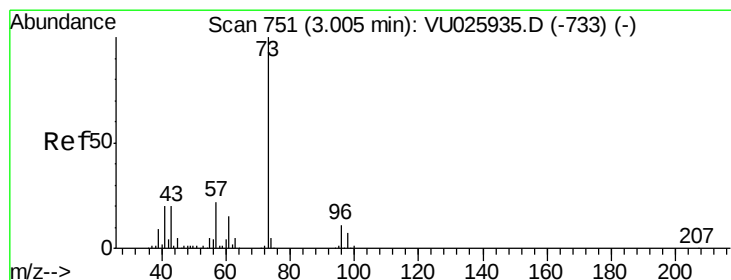
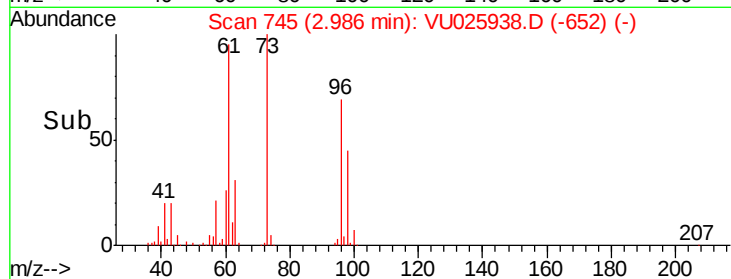
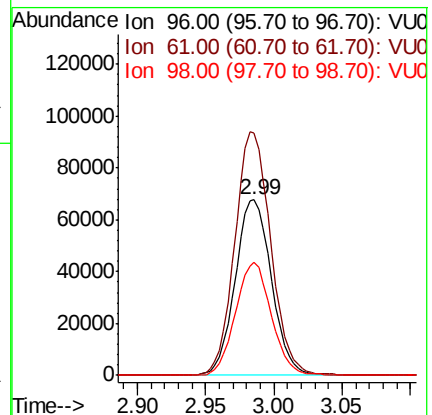
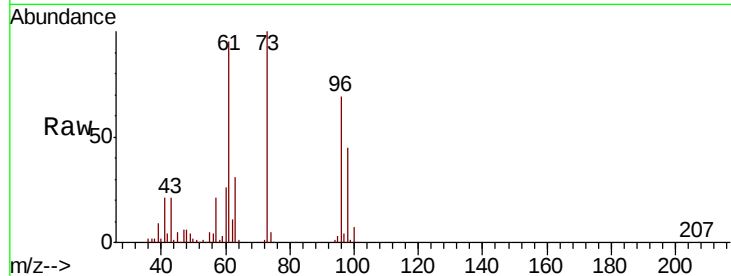
Tgt Ion: 96 Resp: 125158

Ion Ratio Lower Upper

96 100

61 138.1 100.0 185.8

98 64.6 44.7 83.1



#18

Methyl tert-butyl Ether

Concen: 51.314 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

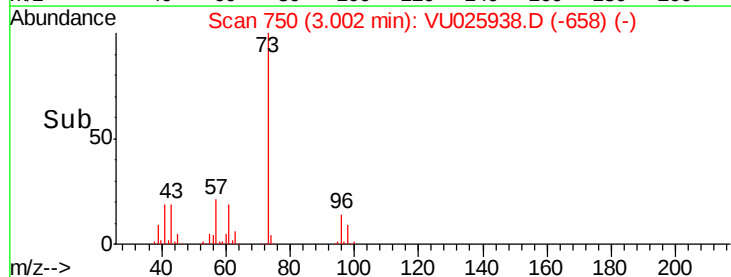
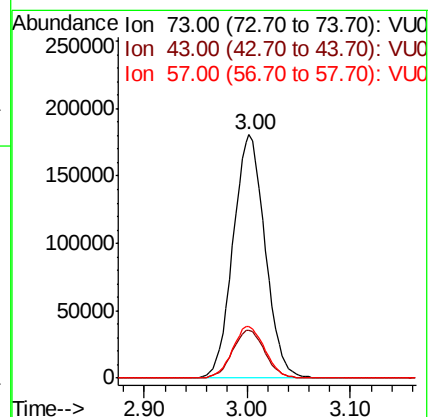
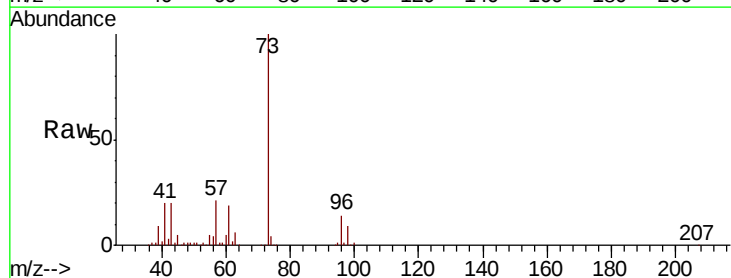
Tgt Ion: 73 Resp: 390045

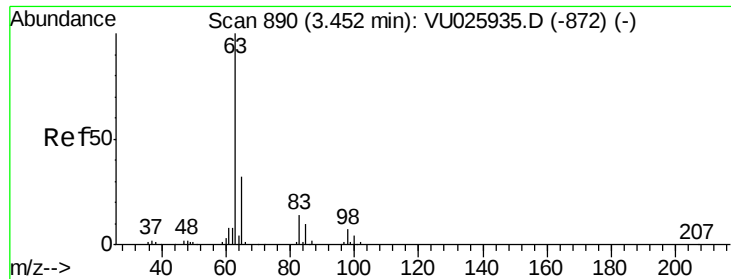
Ion Ratio Lower Upper

73 100

43 20.0 16.2 24.2

57 21.6 17.1 25.7





#19

1,1-Dichloroethane

Concen: 51.234 ug/L

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

Instrument :

MSVOA_U

ClientSampleId :

VICV45

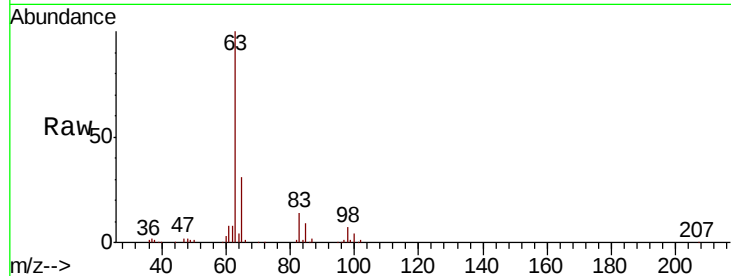
Tgt Ion: 63 Resp: 222159

Ion Ratio Lower Upper

63 100

65 30.9 22.0 41.0

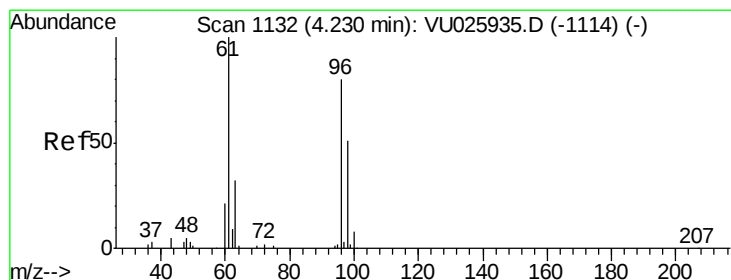
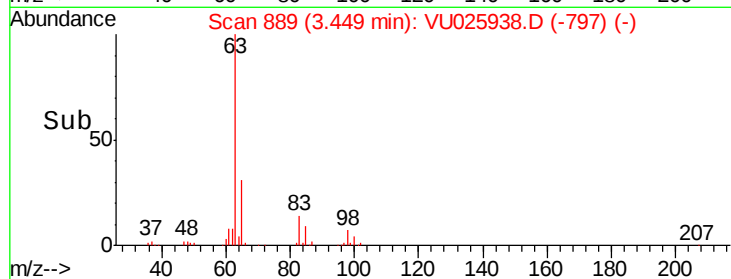
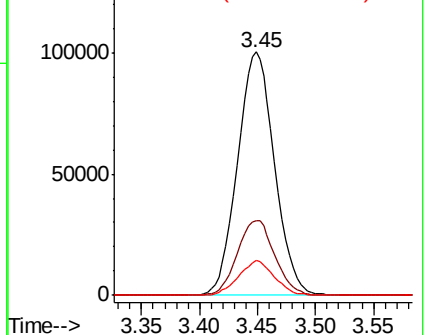
83 14.2 9.6 17.8



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: 52.502 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

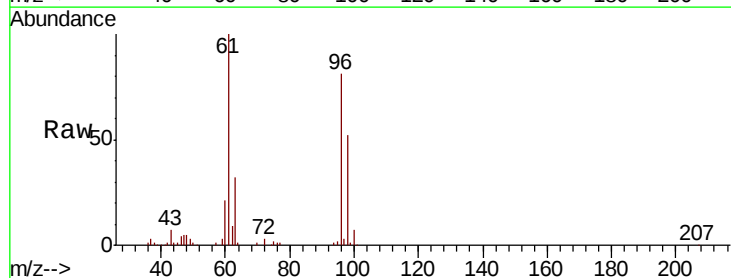
Tgt Ion: 96 Resp: 140237

Ion Ratio Lower Upper

96 100

61 123.7 87.4 162.2

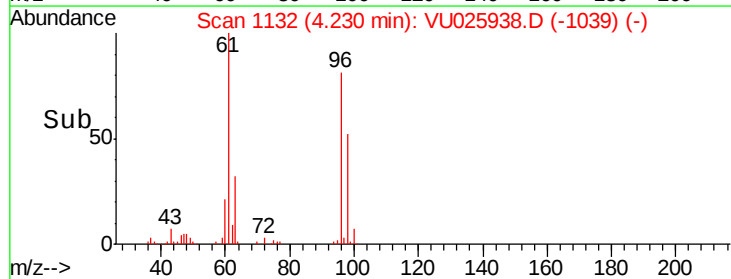
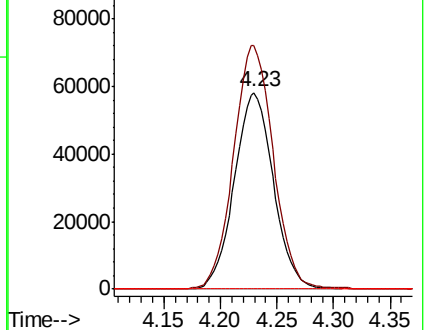
68 0.0 0.0 0.0

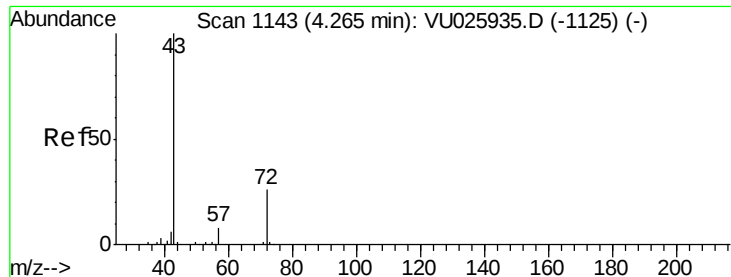


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 93.567 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

Instrument :

MSVOA_U

ClientSampleId :

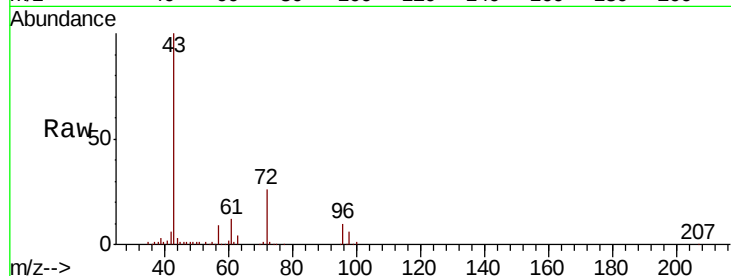
VICV45

Tgt Ion: 43 Resp: 202818

Ion Ratio Lower Upper

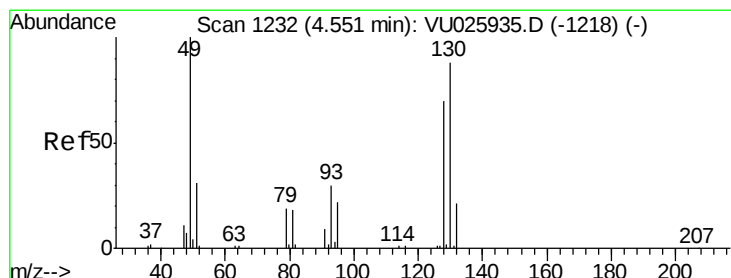
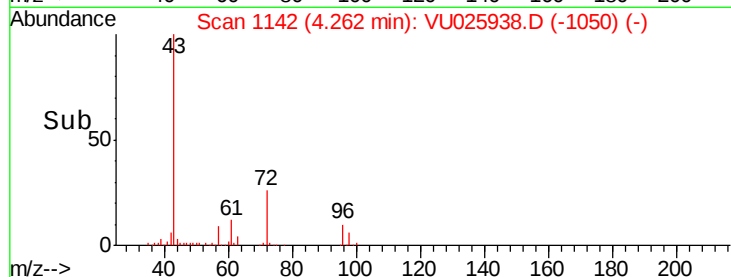
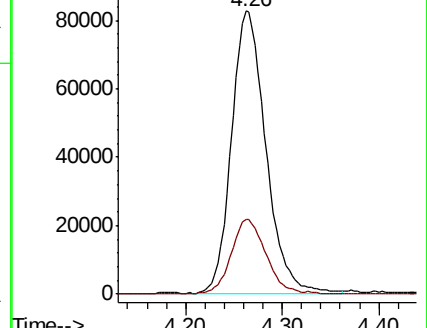
43 100

72 27.0 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VU025938.D (-1142) (-)

Ion 72.00 (71.70 to 72.70): VU025938.D (-1142) (-)



#23

Bromochloromethane

Concen: 52.314 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

Tgt Ion: 128 Resp: 73365

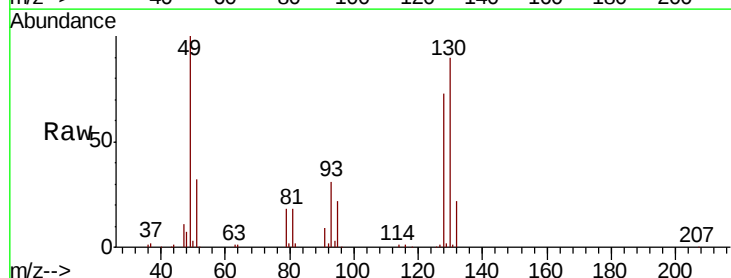
Ion Ratio Lower Upper

128 100

49 136.2 103.3 191.8

130 122.2 90.4 167.8

51 43.4 35.5 53.3

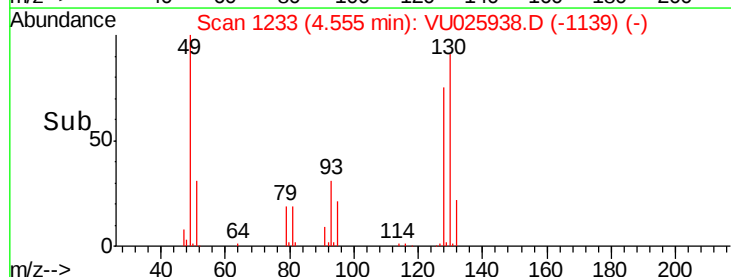
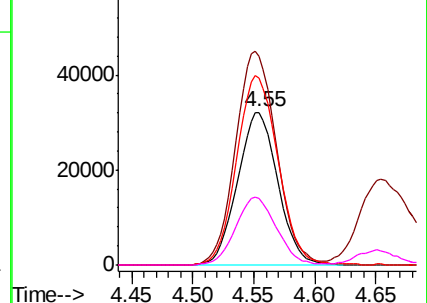


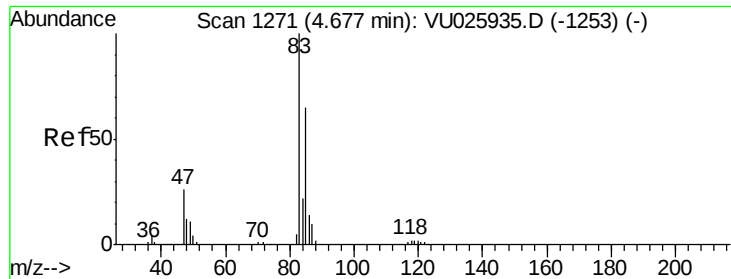
Abundance Ion 128.00 (127.70 to 128.70): VU025938.D (-1233) (-)

Ion 49.00 (48.70 to 49.70): VU025938.D (-1233) (-)

Ion 130.00 (129.70 to 130.70): VU025938.D (-1233) (-)

Ion 51.00 (50.70 to 51.70): VU025938.D (-1233) (-)





#25

Chloroform

Concen: 51.421 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

Instrument :

MSVOA_U

ClientSampleId :

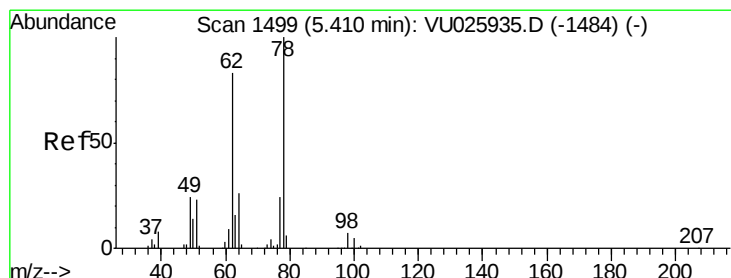
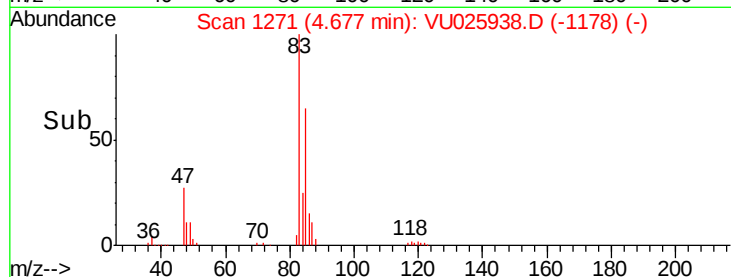
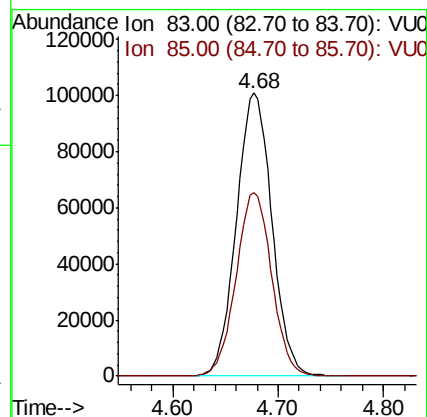
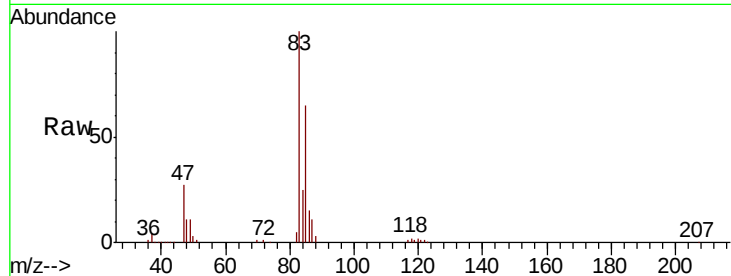
VICV45

Tgt Ion: 83 Resp: 236208

Ion Ratio Lower Upper

83 100

85 64.9 45.0 83.6



#27

1,2-Dichloroethane

Concen: 51.208 ug/L

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU025938.D

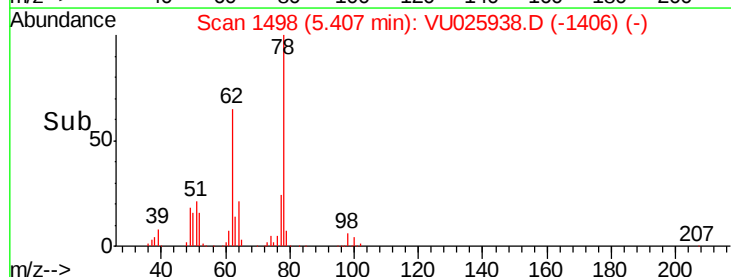
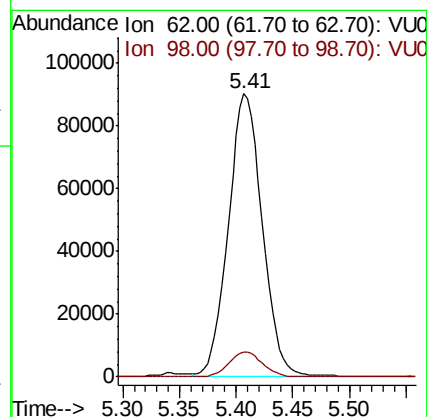
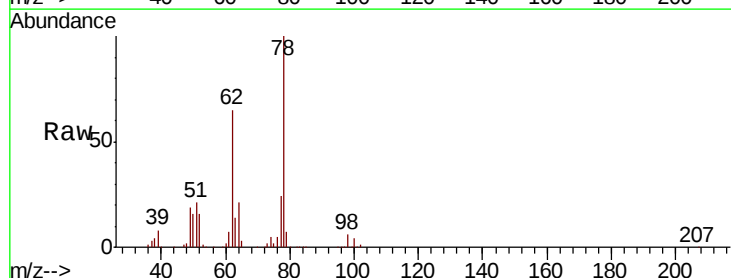
Acq: 07 Aug 2018 13:02

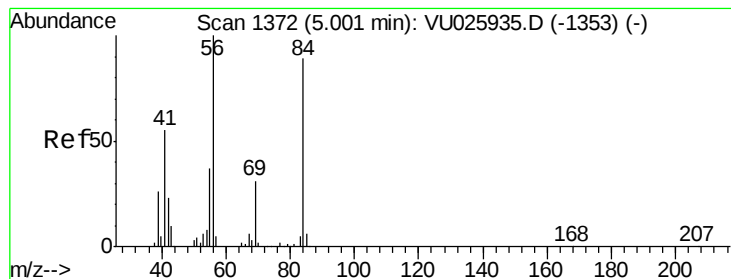
Tgt Ion: 62 Resp: 187578

Ion Ratio Lower Upper

62 100

98 8.9 6.5 9.7





#29

Cyclohexane

Concen: 53.171 ug/L

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

Instrument :

MSVOA_U

ClientSampled :

VICV45

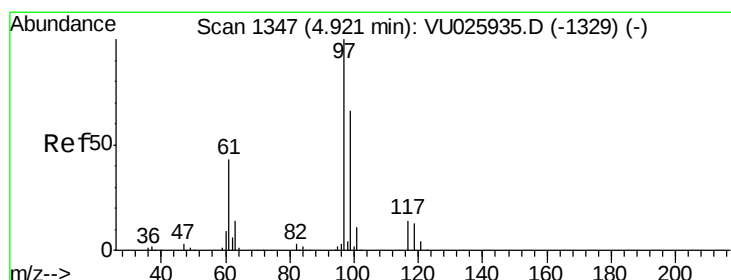
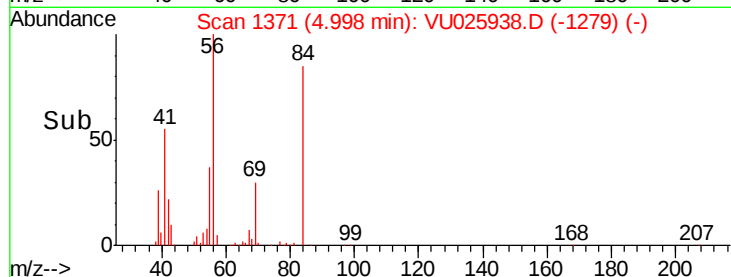
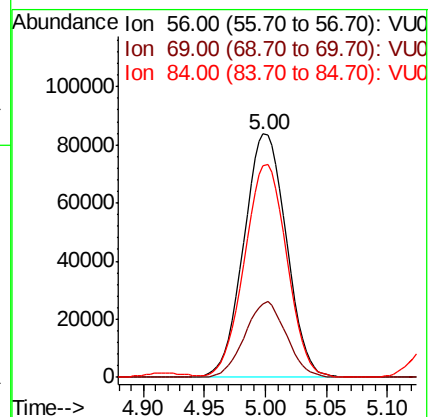
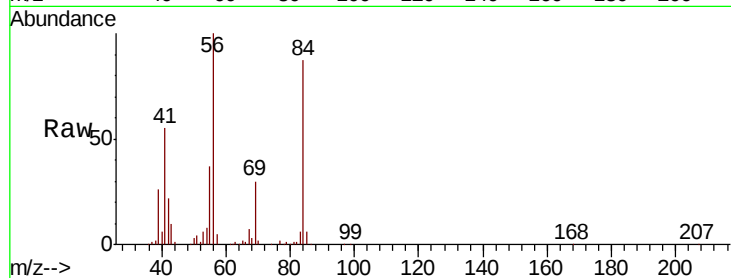
Tgt Ion: 56 Resp: 202513

Ion Ratio Lower Upper

56 100

69 30.3 24.8 37.2

84 86.3 70.6 106.0



#30

1,1,1-Trichloroethane

Concen: 51.179 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

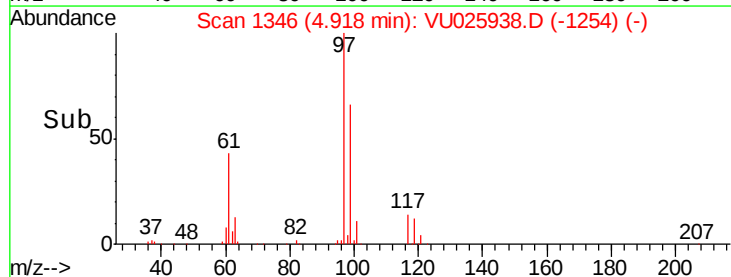
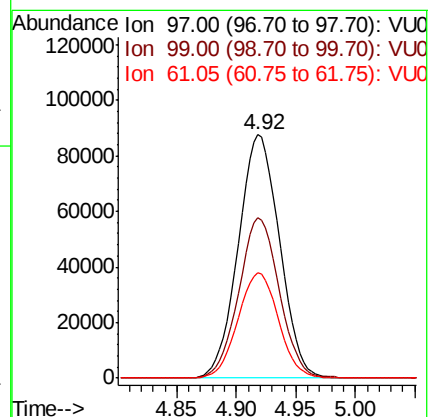
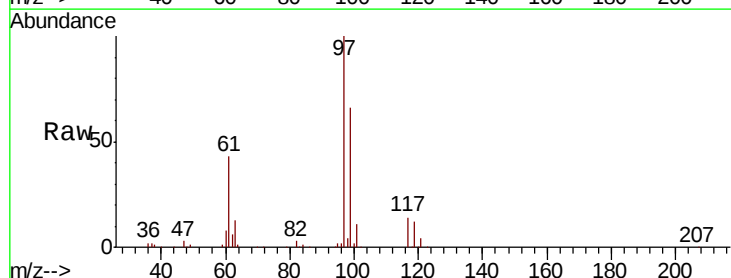
Tgt Ion: 97 Resp: 210544

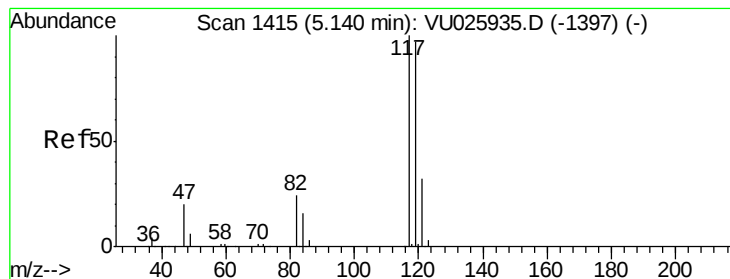
Ion Ratio Lower Upper

97 100

99 64.8 52.4 78.6

61 42.5 34.6 52.0





#31

Carbon tetrachloride

Concen: 52.666 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

Instrument :

MSVOA_U

ClientSampleId :

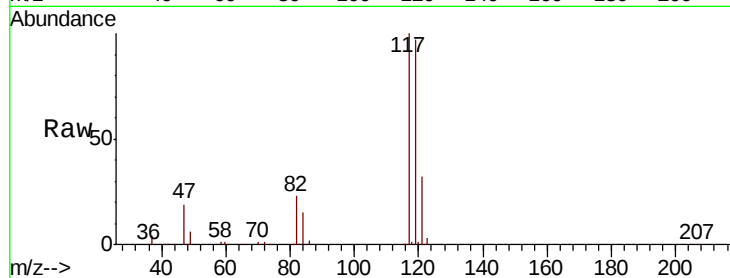
VICV45

Tgt Ion:117 Resp: 193748

Ion Ratio Lower Upper

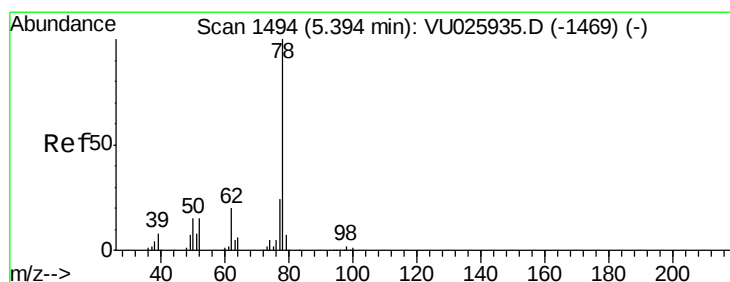
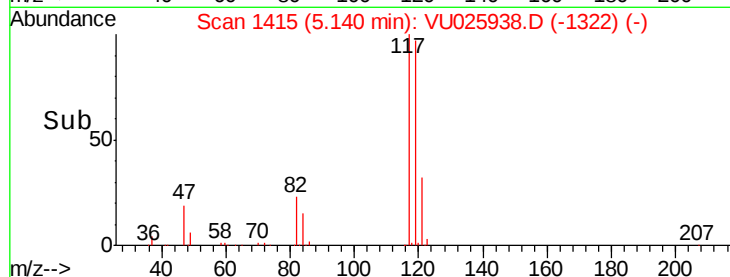
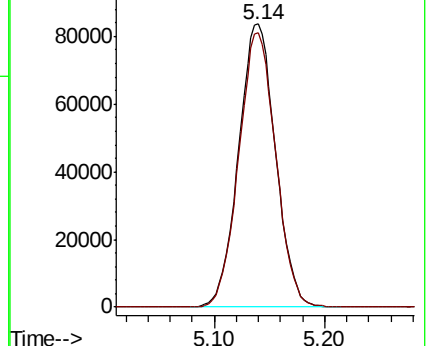
117 100

119 97.0 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.884 ug/L

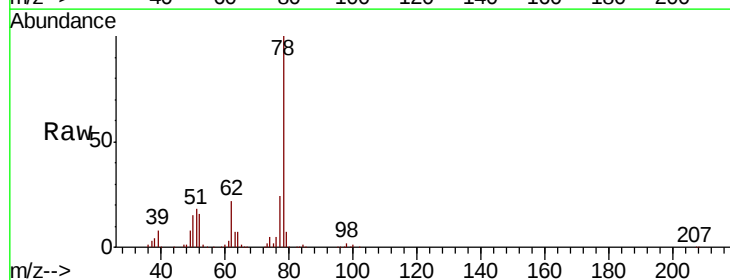
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

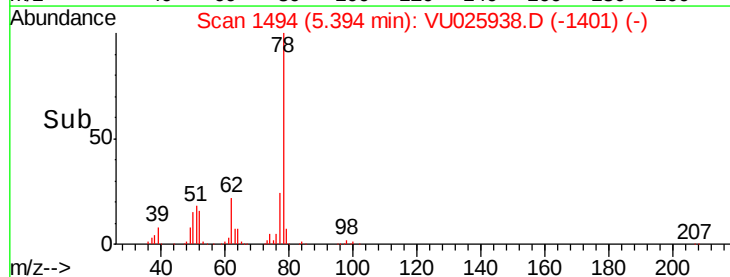
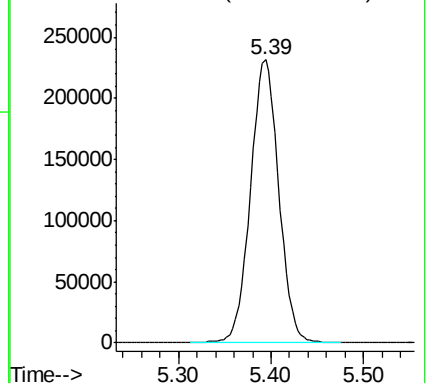
Lab File: VU025938.D

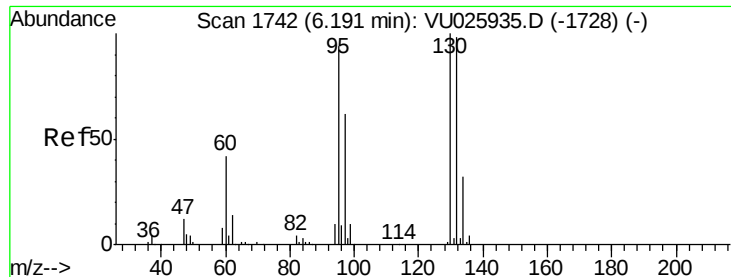
Acq: 07 Aug 2018 13:02

Tgt Ion: 78 Resp: 490143



Abundance Ion 78.00 (77.70 to 78.70): VU0

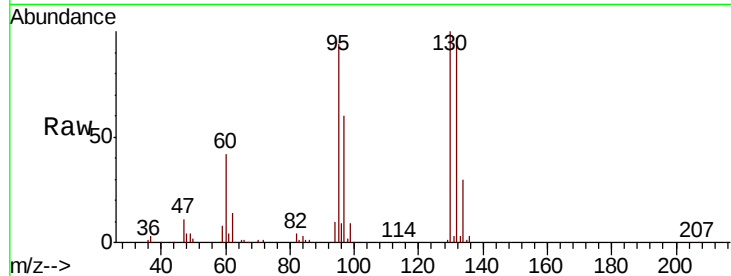




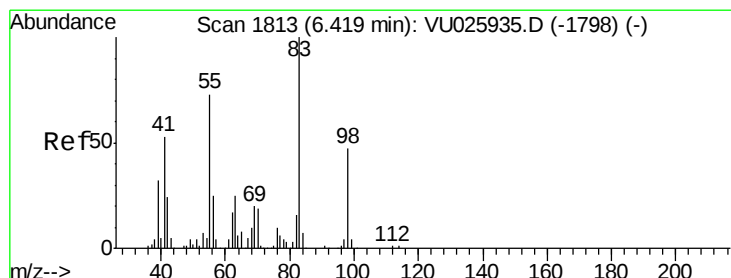
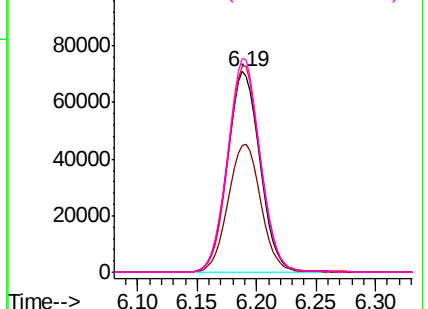
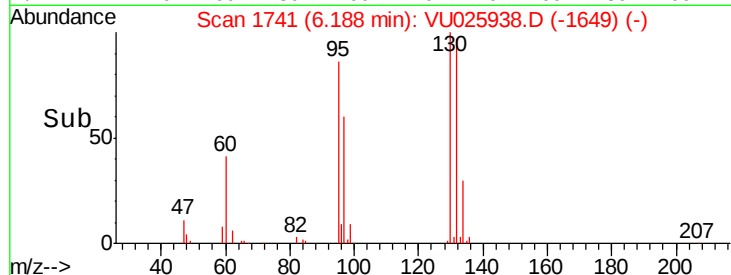
#34
 Trichloroethene
 Concen: 51.405 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU025938.D
 Acq: 07 Aug 2018 13:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV45

Tgt Ion:	95	Resp:	135142
Ion	Ratio	Lower	Upper
95	100		
97	63.5	45.9	85.3
132	103.1	72.2	134.2
130	106.6	74.9	139.1

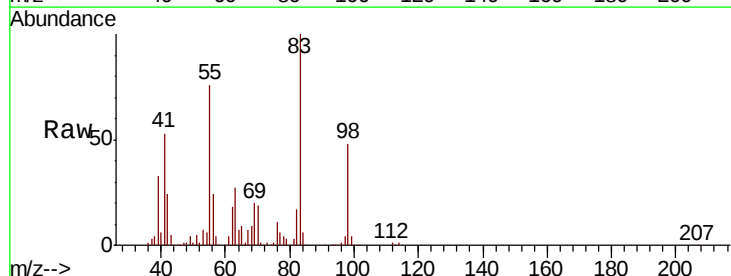


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

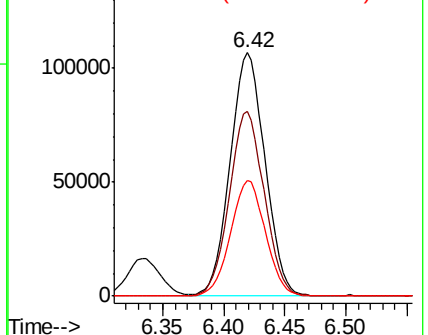
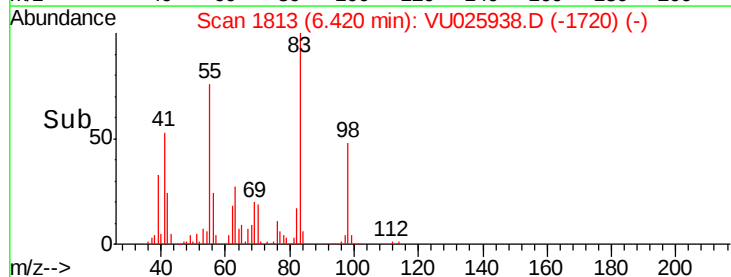


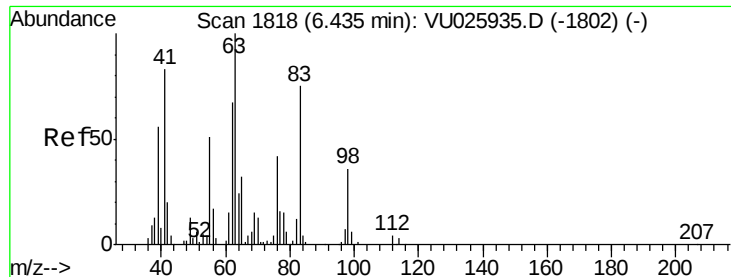
#35
 Methylcyclohexane
 Concen: 53.404 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU025938.D
 Acq: 07 Aug 2018 13:02

Tgt Ion:	83	Resp:	212506
Ion	Ratio	Lower	Upper
83	100		
55	76.0	61.1	91.7
98	47.4	38.6	57.8



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

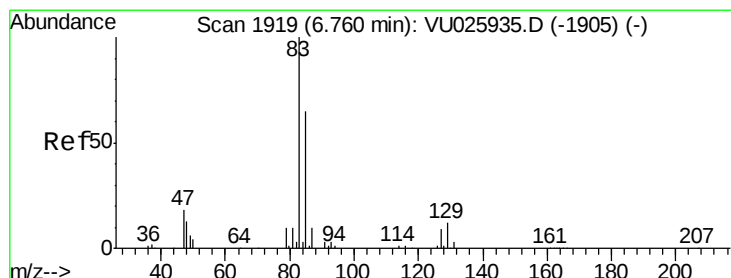
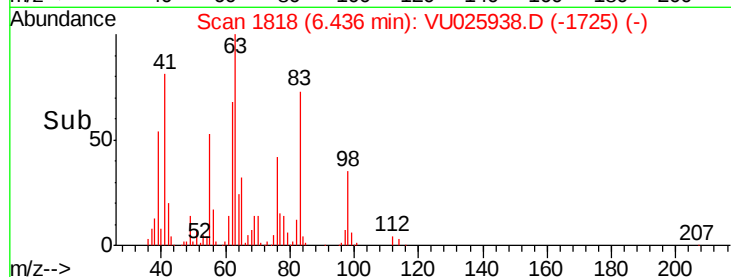
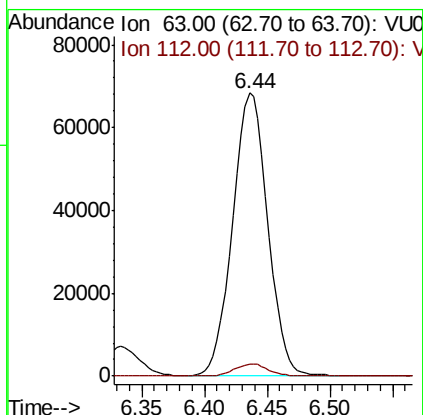
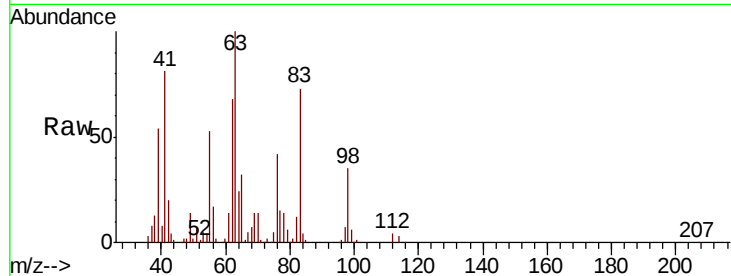




#37
 1,2-Dichloropropane
 Concen: 52.776 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025938.D
 Acq: 07 Aug 2018 13:02

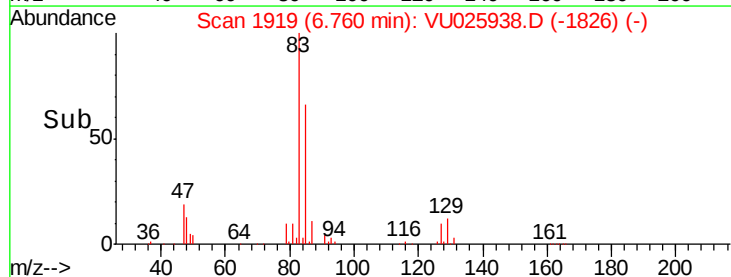
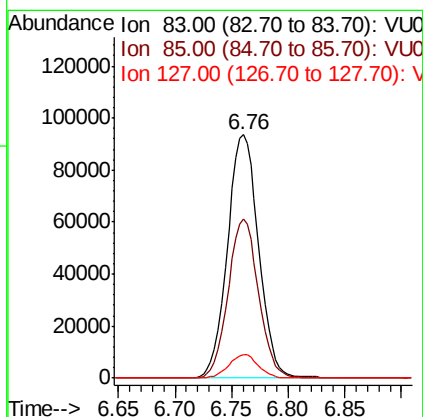
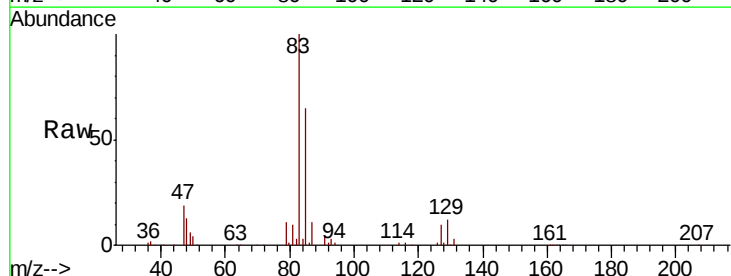
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV45

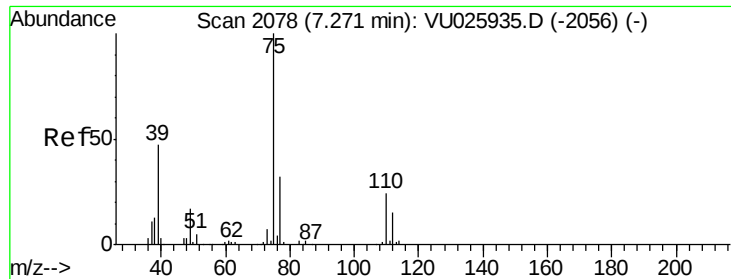
Tgt Ion: 63 Resp: 133204
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.3 4.9



#38
 Bromodichloromethane
 Concen: 52.250 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025938.D
 Acq: 07 Aug 2018 13:02

Tgt Ion: 83 Resp: 179265
 Ion Ratio Lower Upper
 83 100
 85 65.3 46.7 86.7
 127 9.5 8.0 12.0

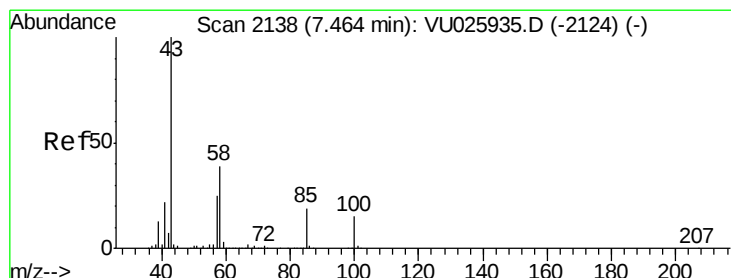
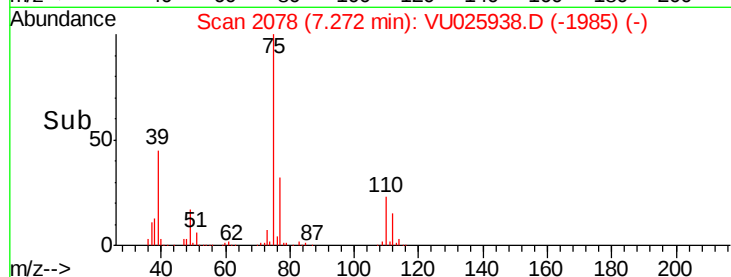
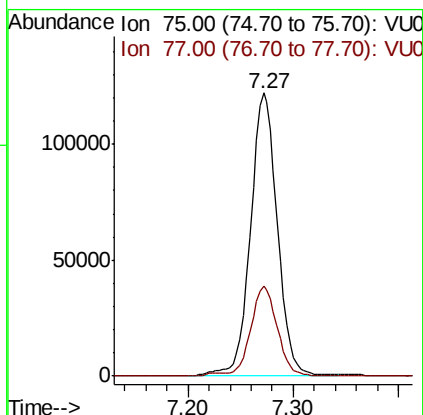
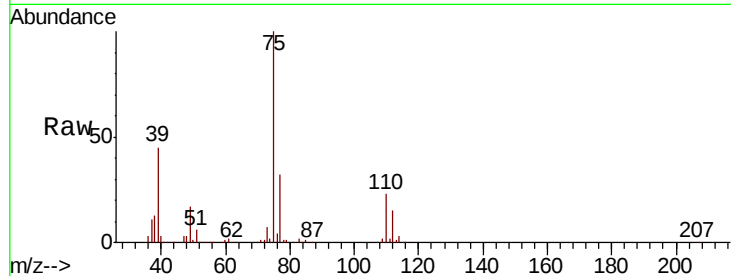




#39
 cis-1,3-Dichloropropene
 Concen: 52.859 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025938.D
 Acq: 07 Aug 2018 13:02

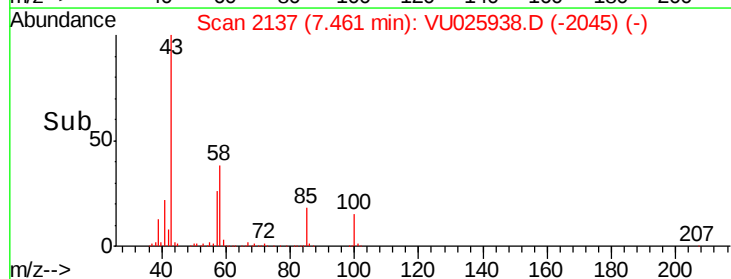
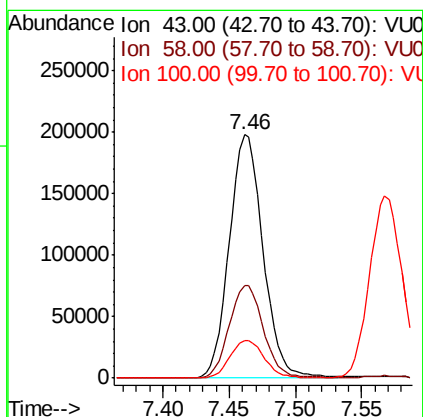
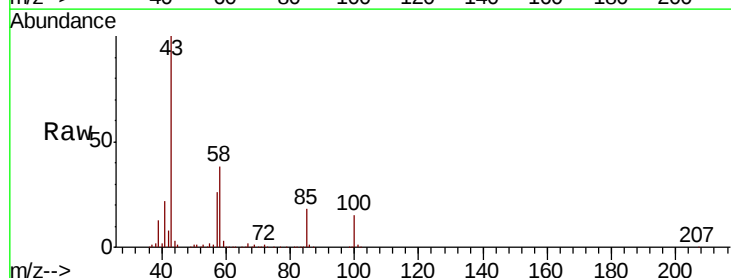
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV45

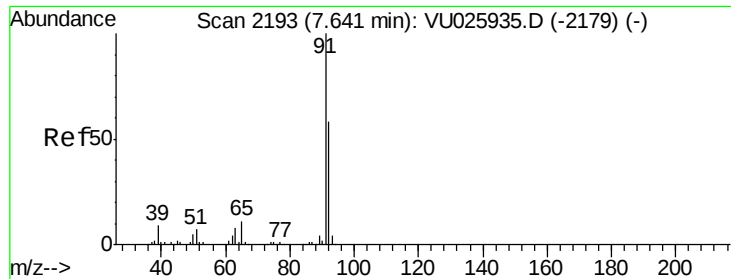
Tgt Ion: 75 Resp: 217301
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 101.889 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025938.D
 Acq: 07 Aug 2018 13:02

Tgt Ion: 43 Resp: 350654
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.8 46.2
 100 15.7 12.1 18.1





#42

Toluene

Concen: 52.519 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

Instrument :

MSVOA_U

ClientSampleId :

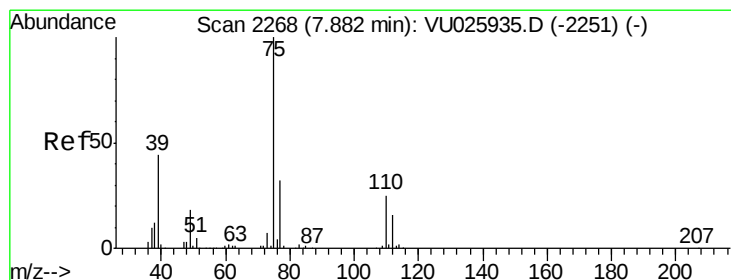
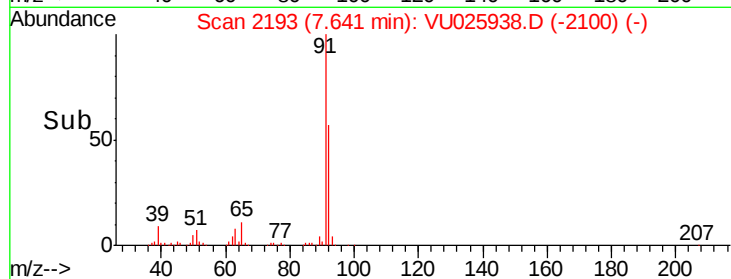
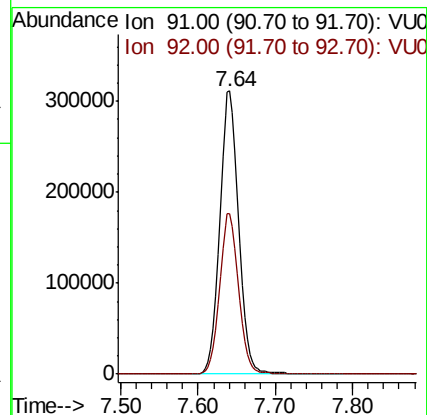
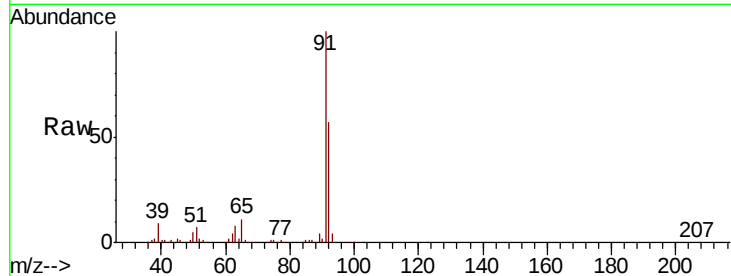
VICV45

Tgt Ion: 91 Resp: 541450

Ion Ratio Lower Upper

91 100

92 56.8 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 52.762 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025938.D

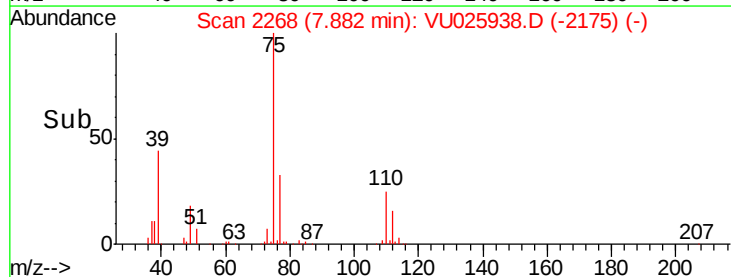
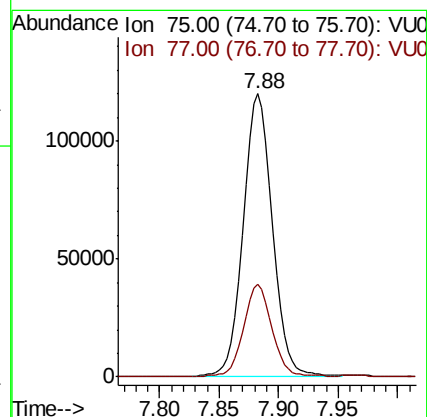
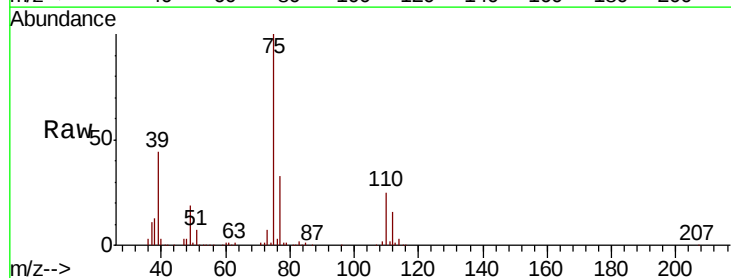
Acq: 07 Aug 2018 13:02

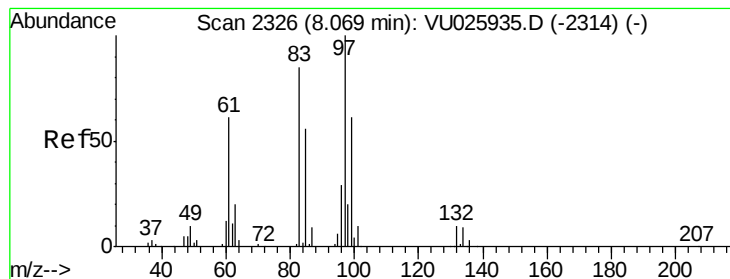
Tgt Ion: 75 Resp: 205014

Ion Ratio Lower Upper

75 100

77 32.7 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 52.045 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

Instrument :

MSVOA_U

ClientSampled :

VICV45

Tgt Ion: 97 Resp: 125472

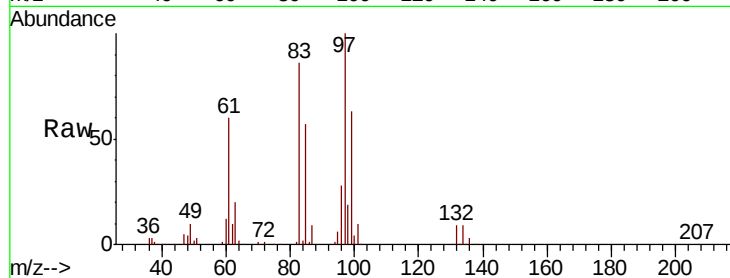
Ion Ratio Lower Upper

97 100

99 63.3 44.3 82.3

83 86.1 59.8 111.1

85 57.4 37.9 70.5

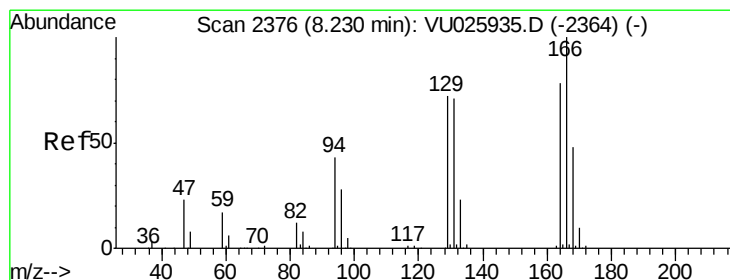
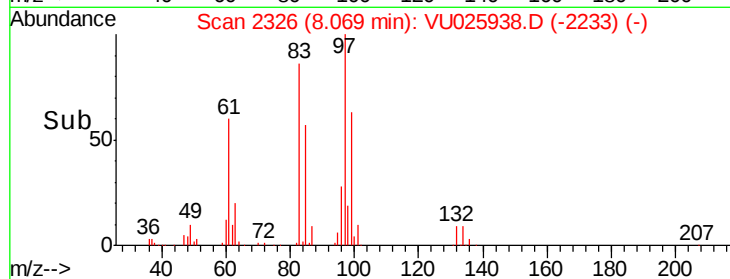
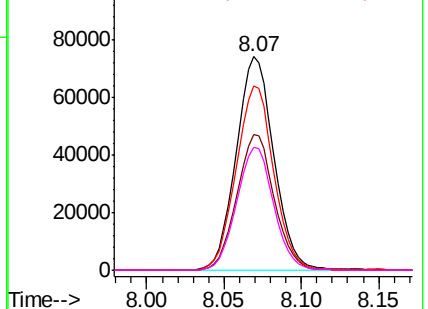


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 52.557 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

Tgt Ion: 164 Resp: 118755

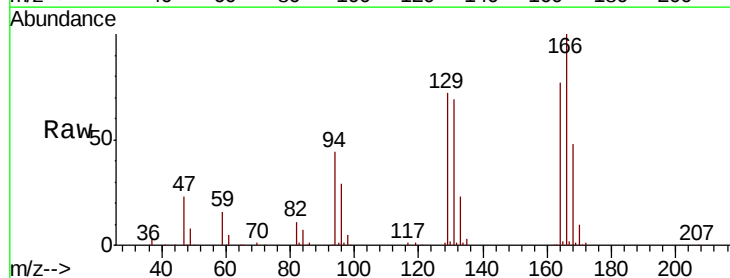
Ion Ratio Lower Upper

164 100

129 92.5 65.1 120.9

131 89.1 62.8 116.6

166 129.0 89.7 166.7

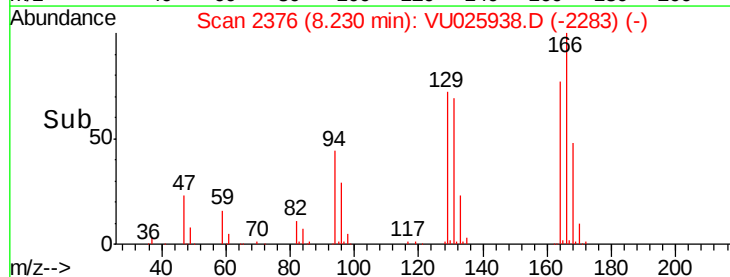
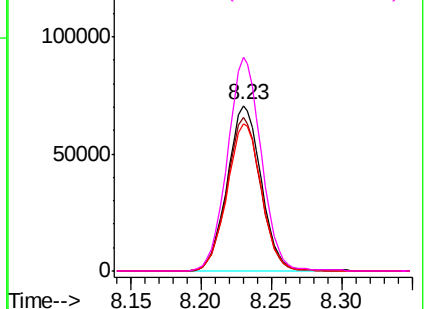


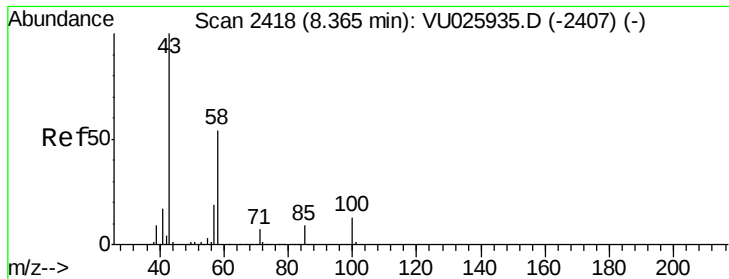
Abundance Ion 164.00 (163.70 to 164.70): V

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

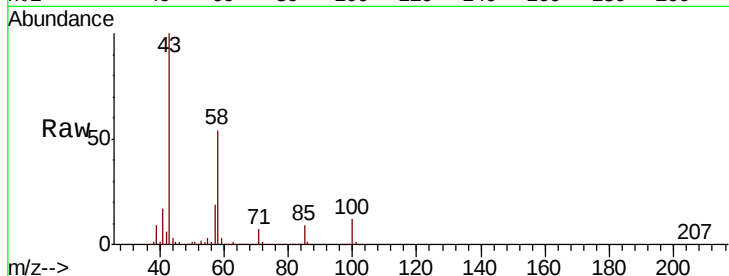




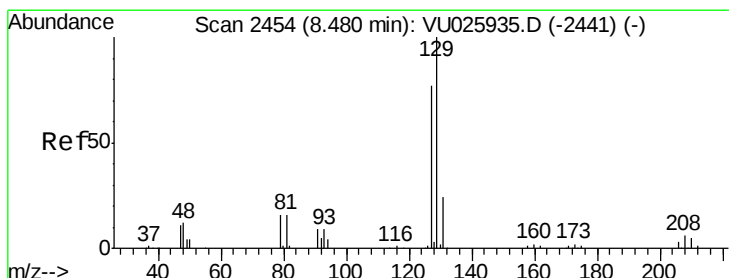
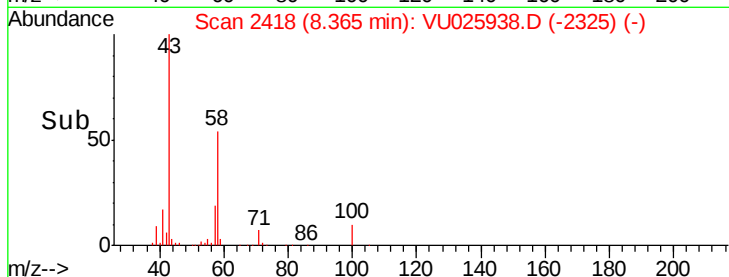
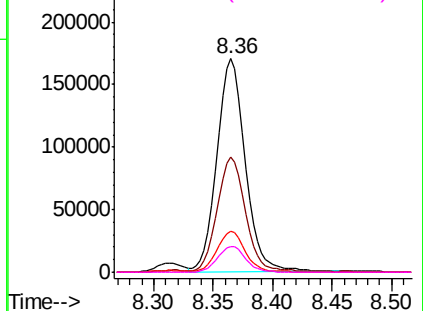
#48
2-Hexanone
Concen: 101.135 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025938.D
Acq: 07 Aug 2018 13:02

Instrument :
MSVOA_U
ClientSampleId :
VICV45

Tgt Ion:	43	Resp:	280804
Ion	Ratio	Lower	Upper
43	100		
58	54.5	42.9	64.3
57	18.8	15.4	23.2
100	12.0	9.6	14.4

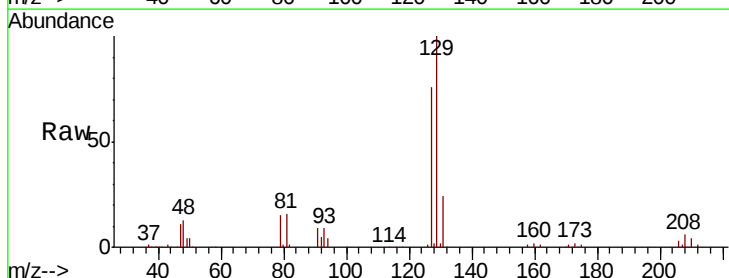


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

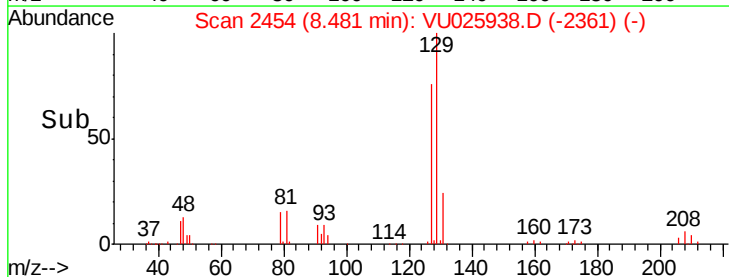
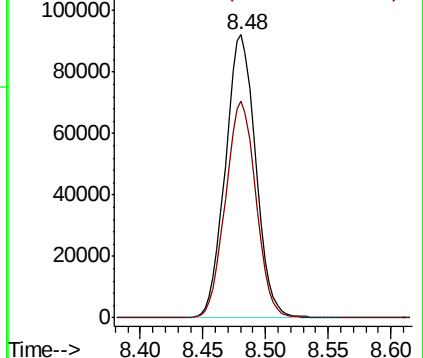


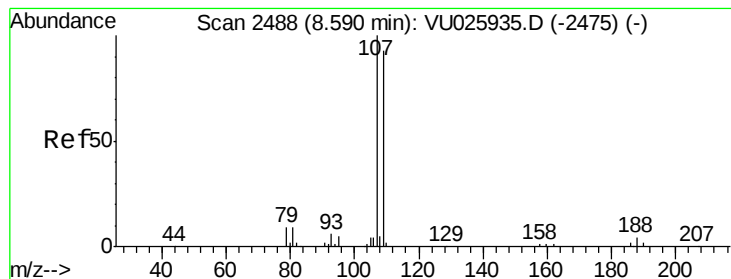
#49
Dibromochloromethane
Concen: 52.408 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025938.D
Acq: 07 Aug 2018 13:02

Tgt Ion:	129	Resp:	155193
Ion	Ratio	Lower	Upper
129	100		
127	76.5	53.8	100.0



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





#50

1,2-Dibromoethane

Concen: 51.995 ug/L

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

Instrument :

MSVOA_U

ClientSampled :

VICV45

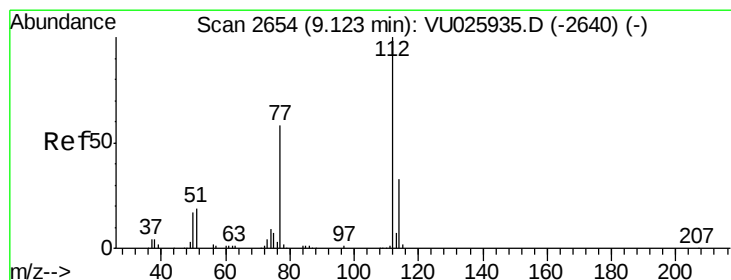
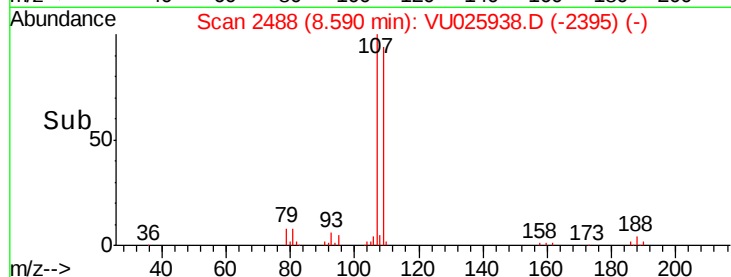
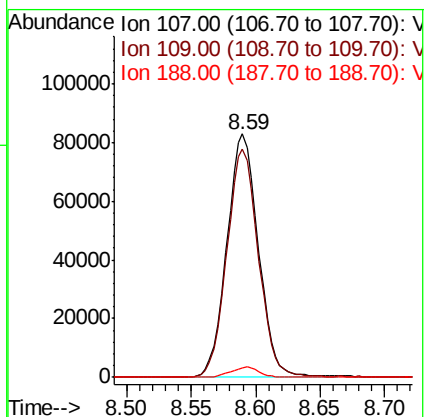
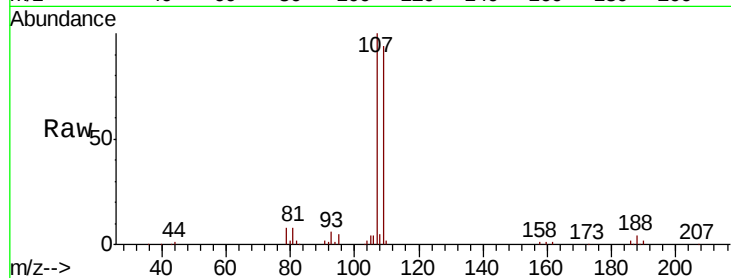
Tgt Ion:107 Resp: 140612

Ion Ratio Lower Upper

107 100

109 93.5 66.6 123.8

188 4.2 3.2 4.8



#51

Chlorobenzene

Concen: 51.816 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

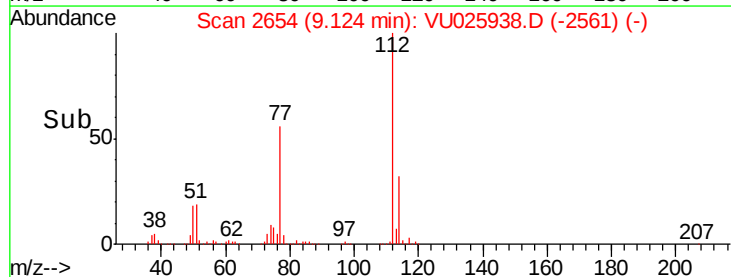
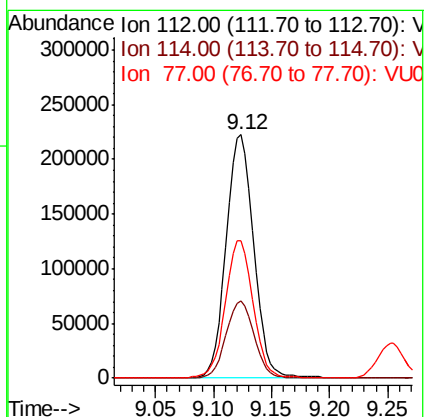
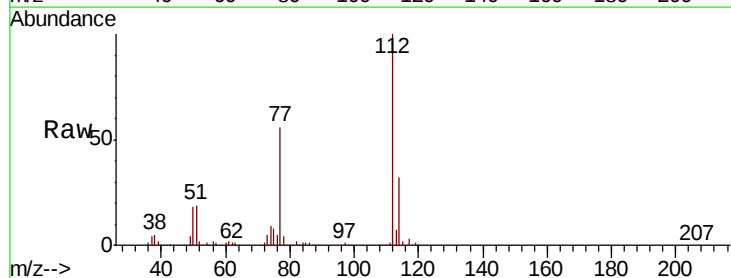
Tgt Ion:112 Resp: 365798

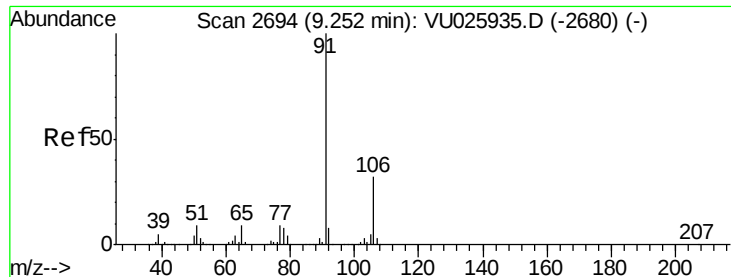
Ion Ratio Lower Upper

112 100

114 31.8 22.5 41.9

77 56.2 45.8 68.8





#52

Ethylbenzene

Concen: 52.060 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

Instrument :

MSVOA_U

ClientSampleId :

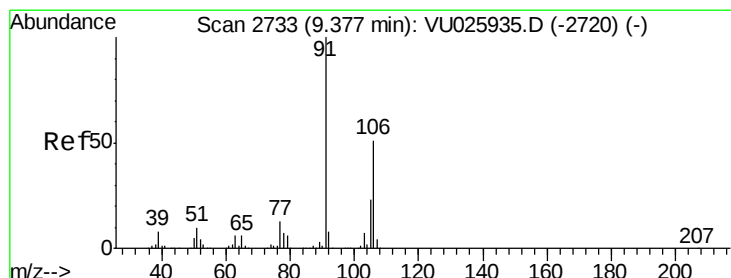
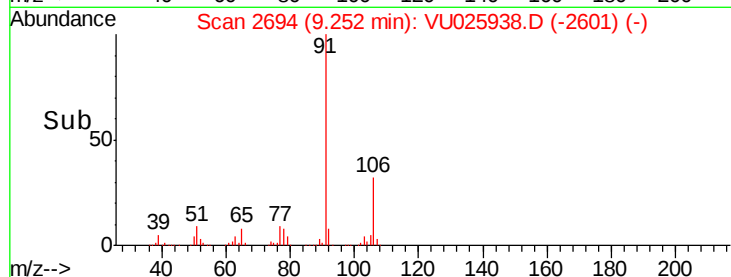
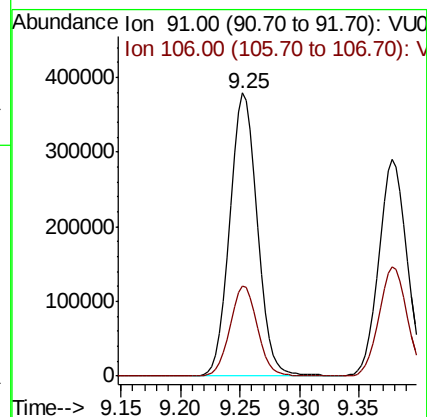
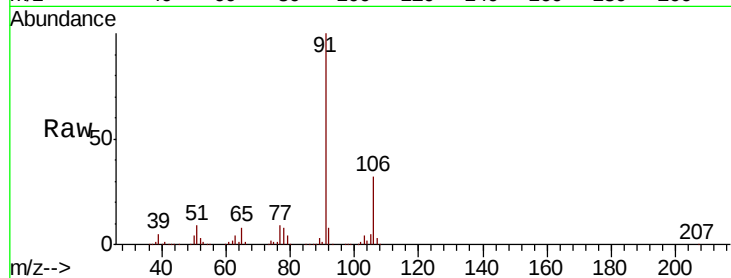
VICV45

Tgt Ion: 91 Resp: 610621

Ion Ratio Lower Upper

91 100

106 31.9 22.3 41.5



#53

m,p-Xylene

Concen: 52.687 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025938.D

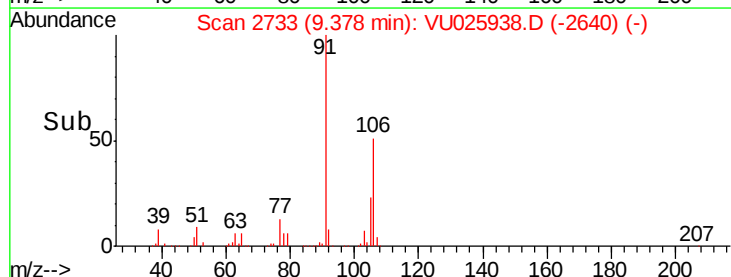
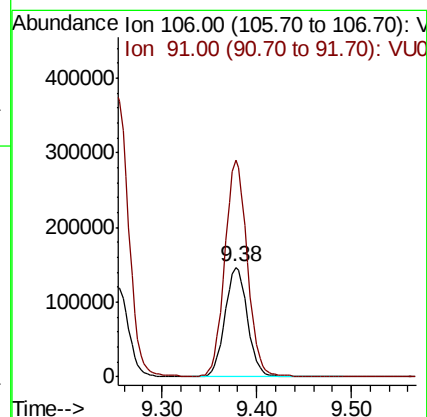
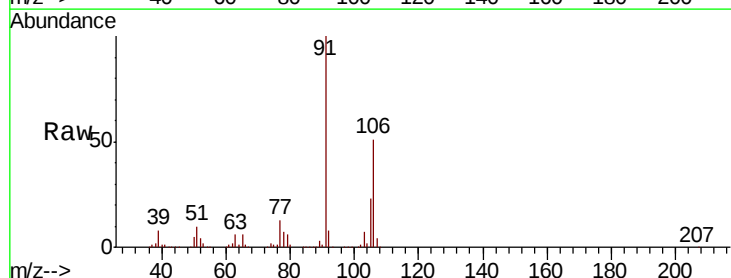
Acq: 07 Aug 2018 13:02

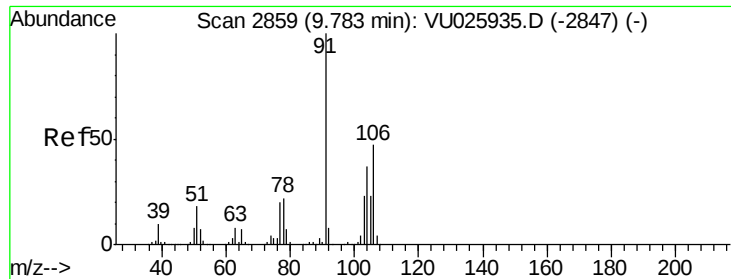
Tgt Ion: 106 Resp: 242422

Ion Ratio Lower Upper

106 100

91 197.7 141.7 263.3





#54

o-xylene

Concen: 53.208 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

Instrument :

MSVOA_U

ClientSampleId :

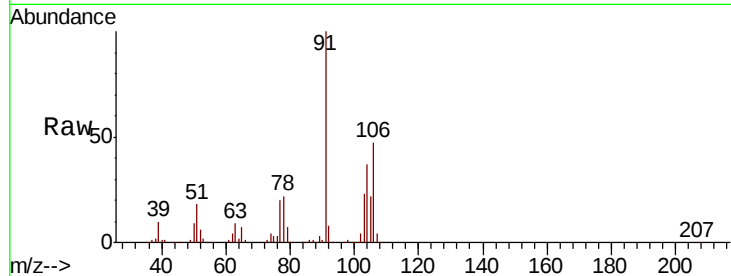
VICV45

Tgt Ion:106 Resp: 233124

Ion Ratio Lower Upper

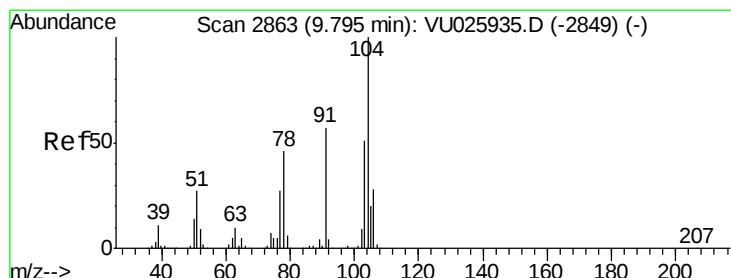
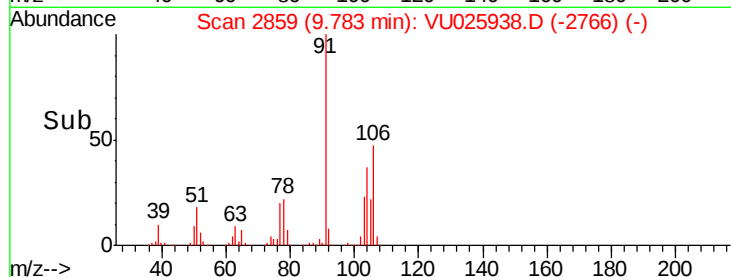
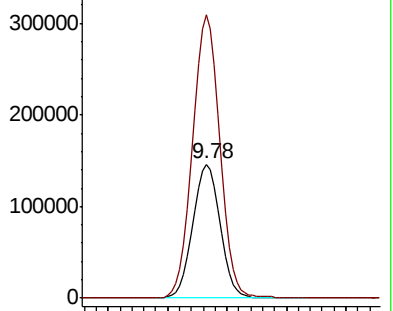
106 100

91 211.4 150.6 279.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 53.835 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU025938.D

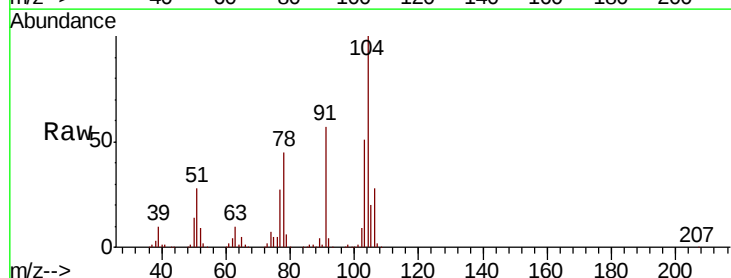
Acq: 07 Aug 2018 13:02

Tgt Ion:104 Resp: 397428

Ion Ratio Lower Upper

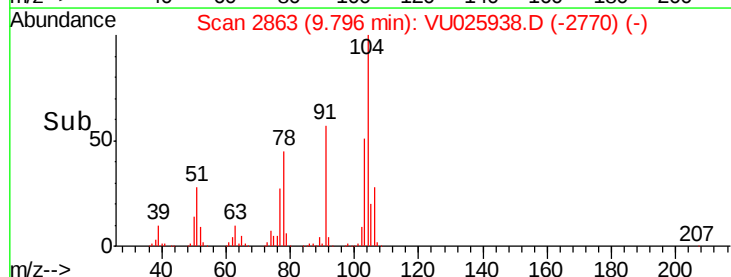
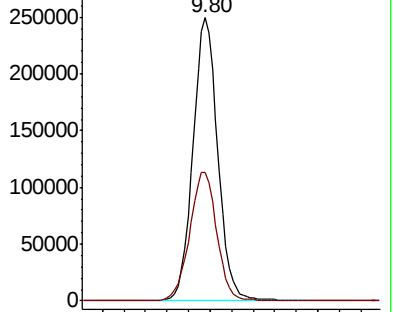
104 100

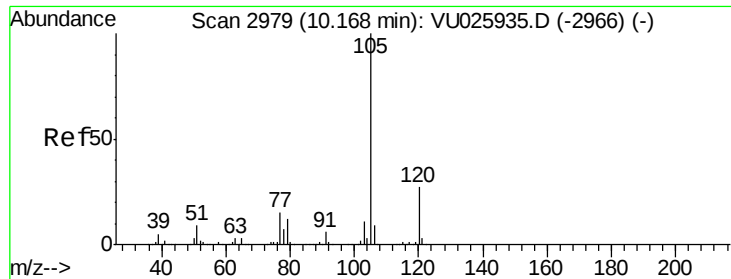
78 45.3 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 52.762 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

Instrument :

MSVOA_U

ClientSampleId :

VICV45

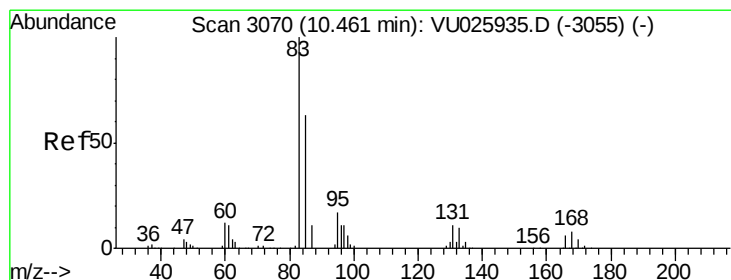
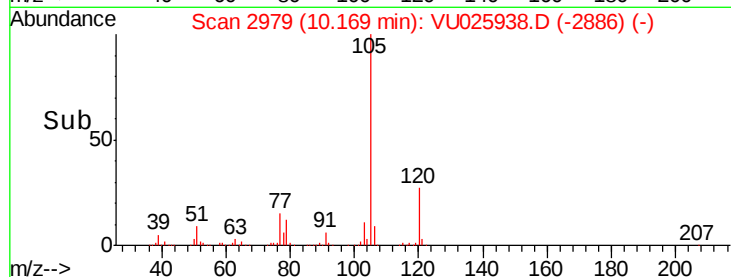
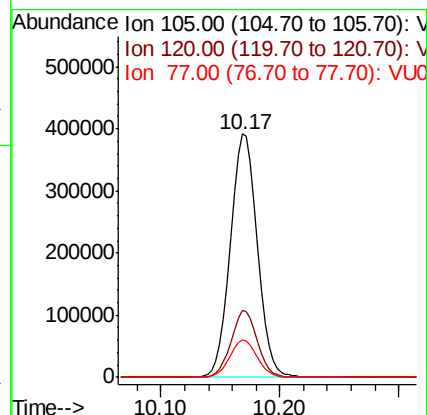
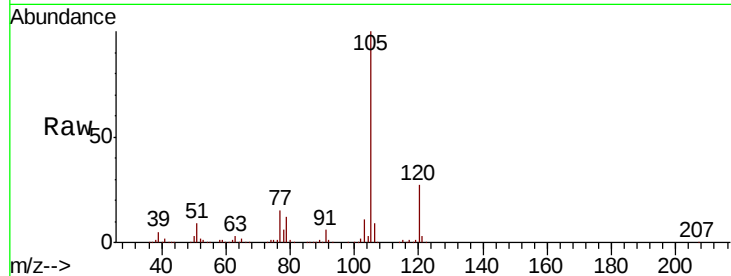
Tgt Ion:105 Resp: 614396

Ion Ratio Lower Upper

105 100

120 27.0 21.7 32.5

77 15.5 12.4 18.6



#58

1,1,2,2-Tetrachloroethane

Concen: 50.612 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

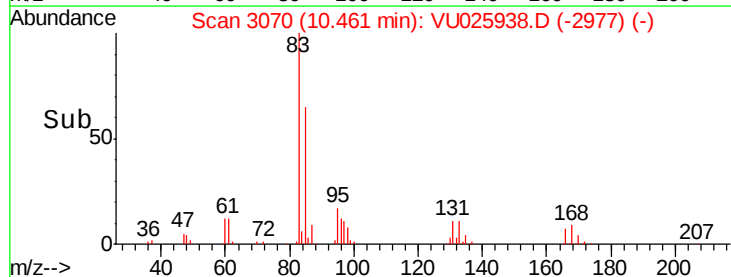
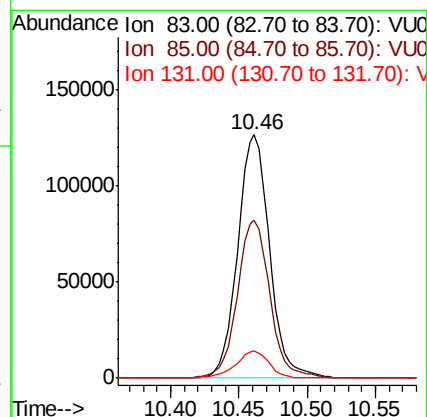
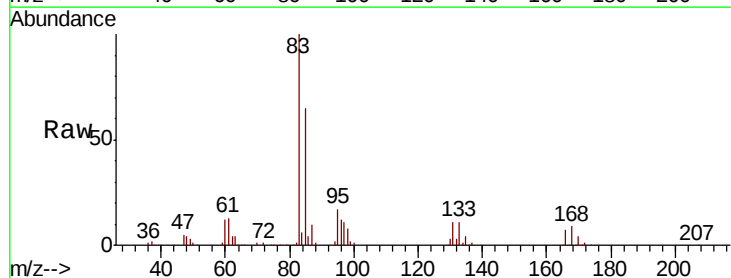
Tgt Ion: 83 Resp: 205140

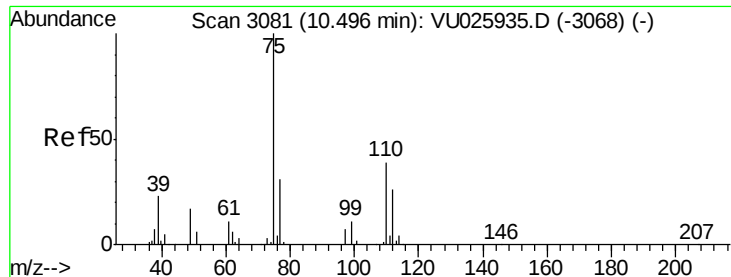
Ion Ratio Lower Upper

83 100

85 65.0 45.1 83.7

131 11.0 8.7 13.1

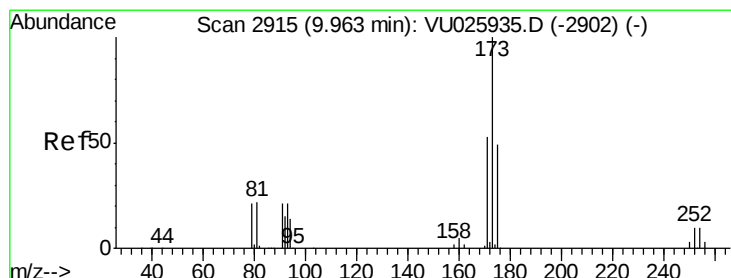
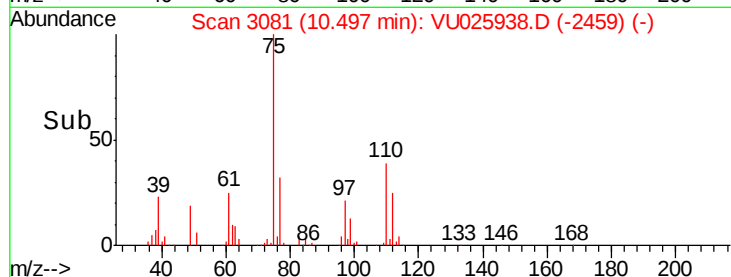
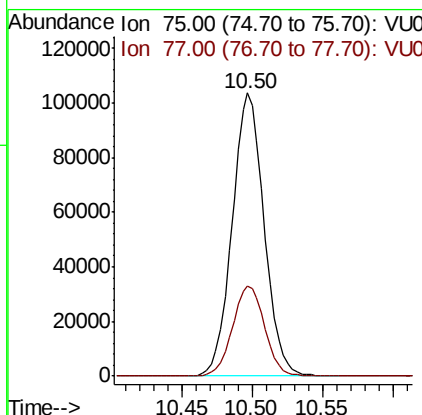
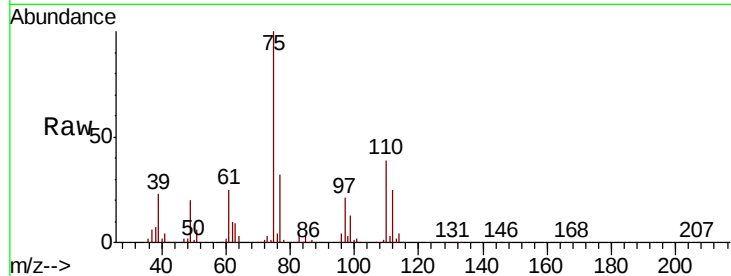




#59
 1,2,3-Trichloropropane
 Concen: 51.046 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025938.D
 Acq: 07 Aug 2018 13:02

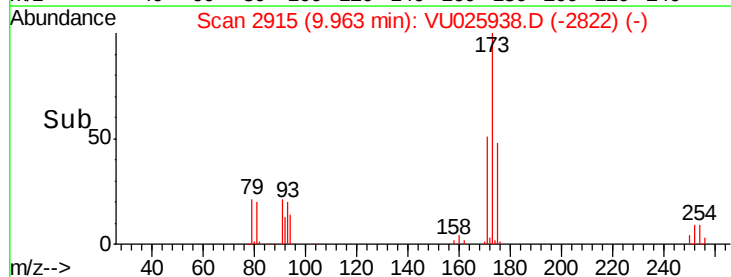
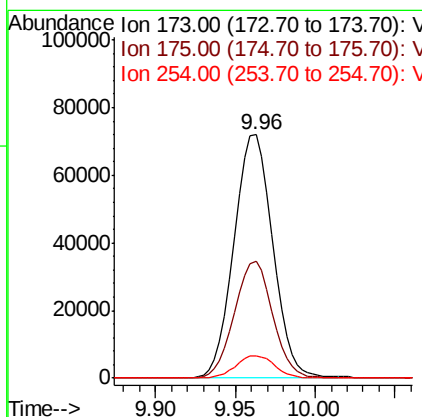
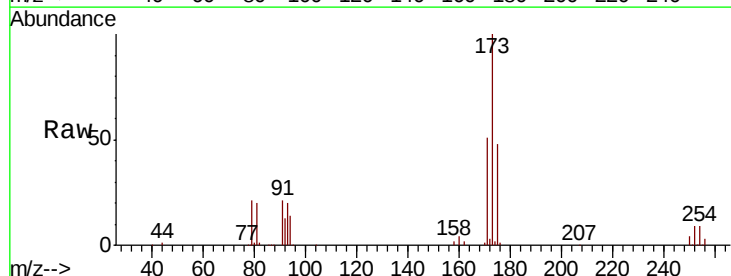
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV45

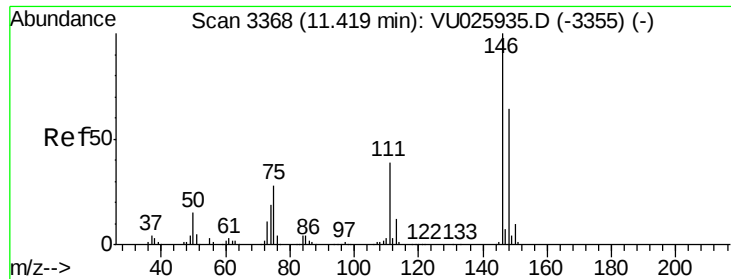
Tgt Ion: 75 Resp: 163974
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.8 38.8



#61
 Bromoform
 Concen: 52.468 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU025938.D
 Acq: 07 Aug 2018 13:02

Tgt Ion: 173 Resp: 119429
 Ion Ratio Lower Upper
 173 100
 175 47.2 39.8 59.8
 254 9.1 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 51.652 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

Instrument :

MSVOA_U

ClientSampleId :

VICV45

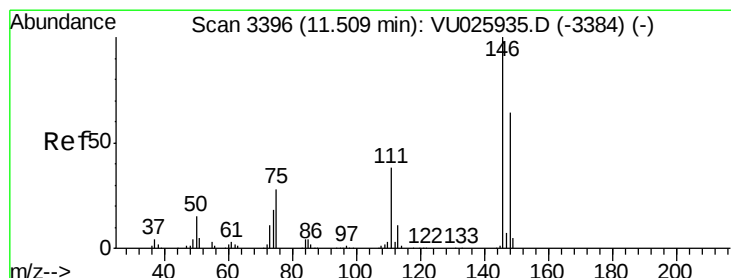
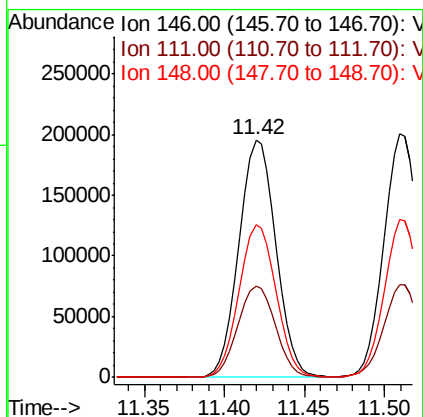
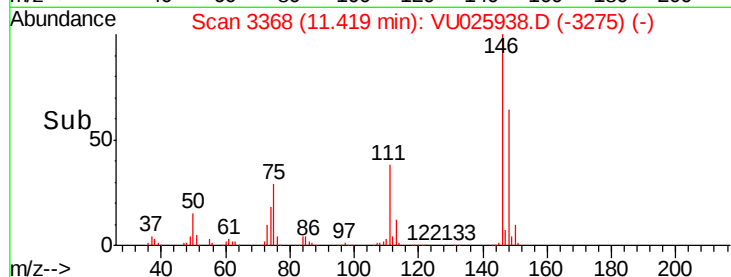
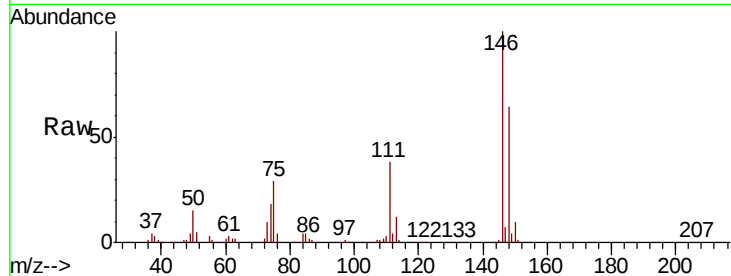
Tgt Ion:146 Resp: 308029

Ion Ratio Lower Upper

146 100

111 38.5 27.7 51.5

148 64.1 45.5 84.5



#63

1,4-Dichlorobenzene

Concen: 51.692 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

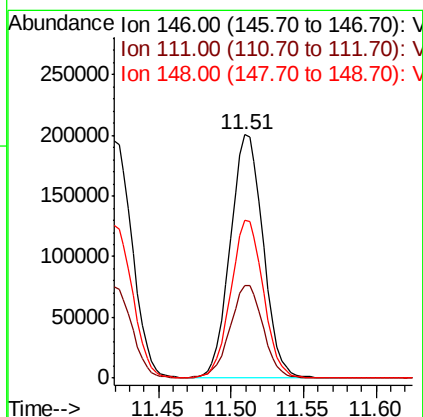
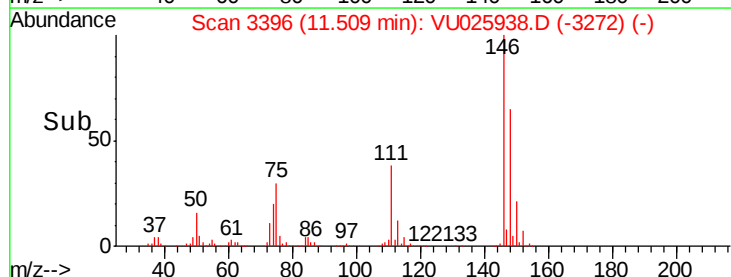
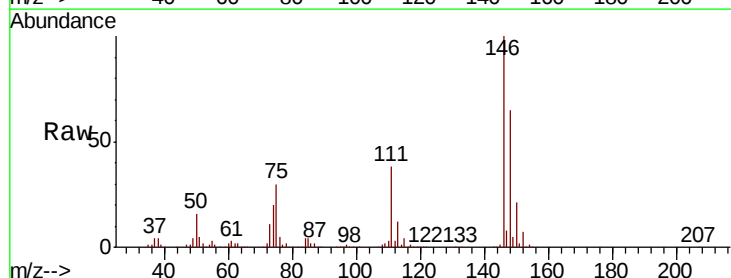
Tgt Ion:146 Resp: 314064

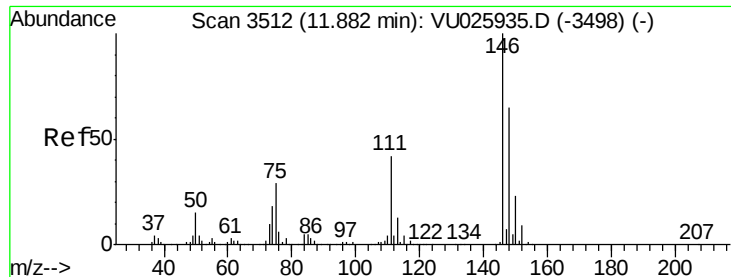
Ion Ratio Lower Upper

146 100

111 38.2 26.9 49.9

148 64.7 44.6 82.8

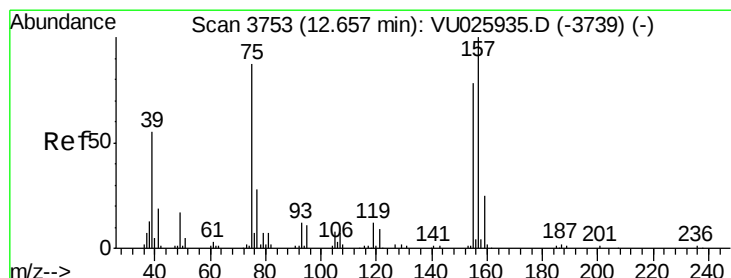
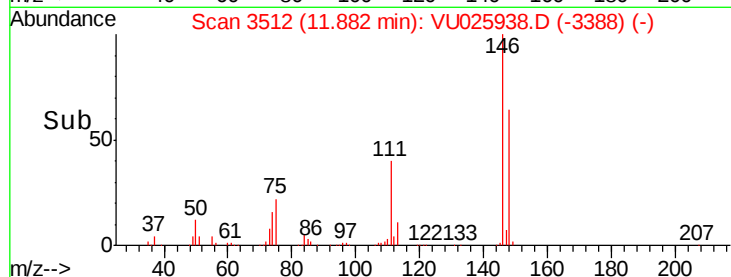
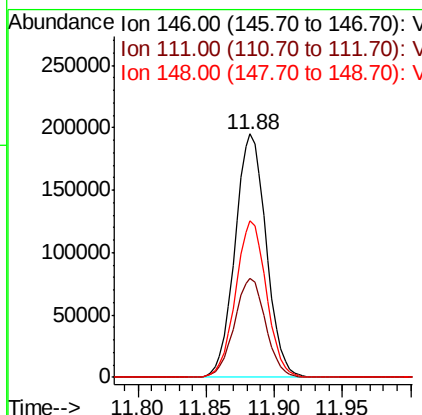
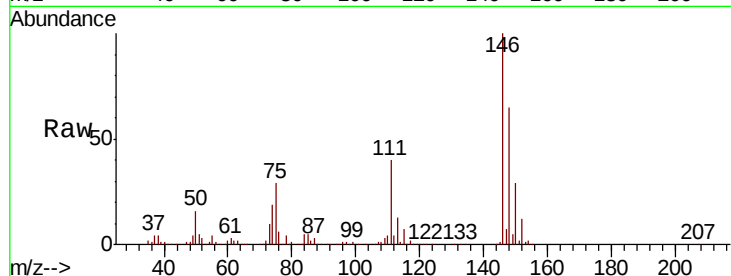




#65
 1,2-Dichlorobenzene
 Concen: 51.777 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025938.D
 Acq: 07 Aug 2018 13:02

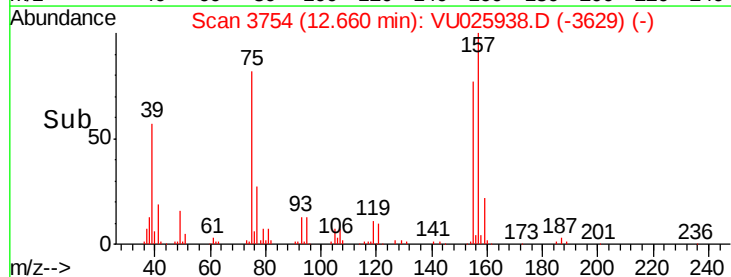
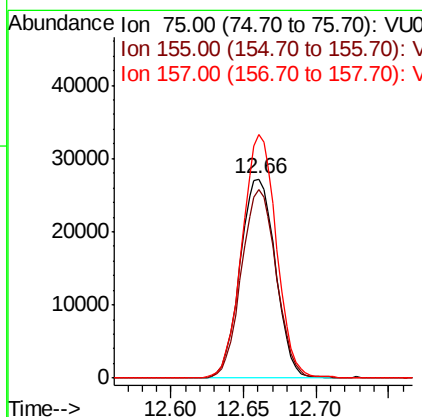
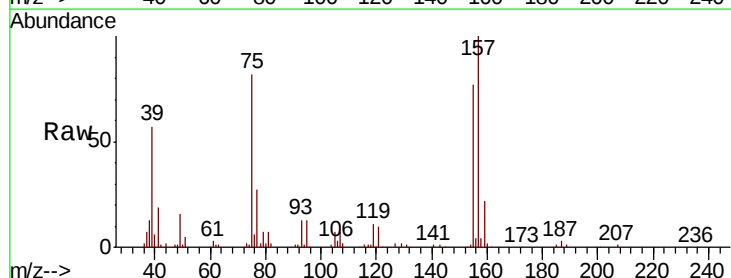
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV45

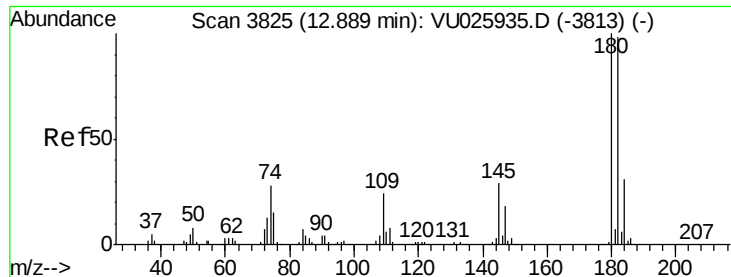
Tgt Ion: 146 Resp: 309608
 Ion Ratio Lower Upper
 146 100
 111 40.4 32.4 48.6
 148 64.5 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.663 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025938.D
 Acq: 07 Aug 2018 13:02

Tgt Ion: 75 Resp: 46039
 Ion Ratio Lower Upper
 75 100
 155 94.6 66.3 99.5
 157 122.5 91.5 137.3

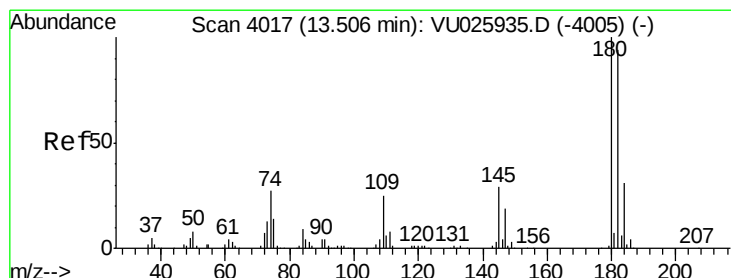
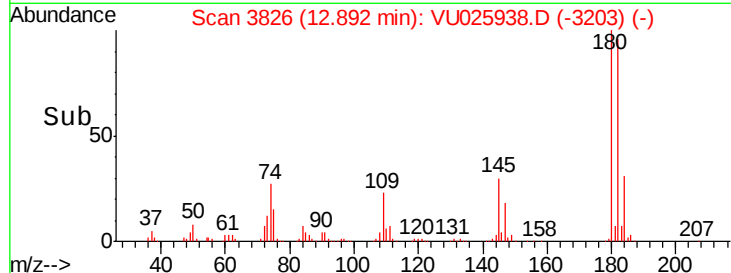
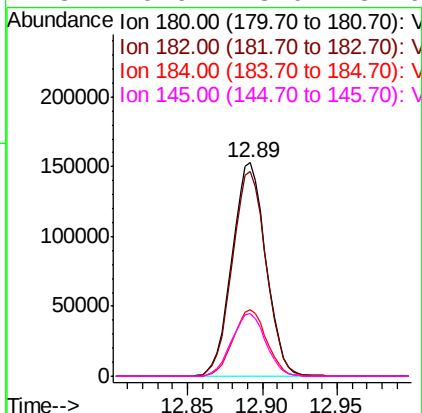
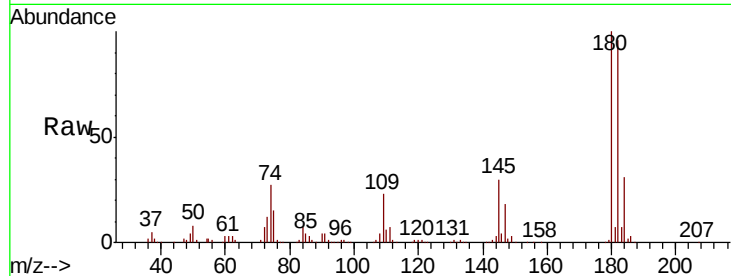




#67
 1,3,5-Trichlorobenzene
 Concen: 54.769 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU025938.D
 Acq: 07 Aug 2018 13:02

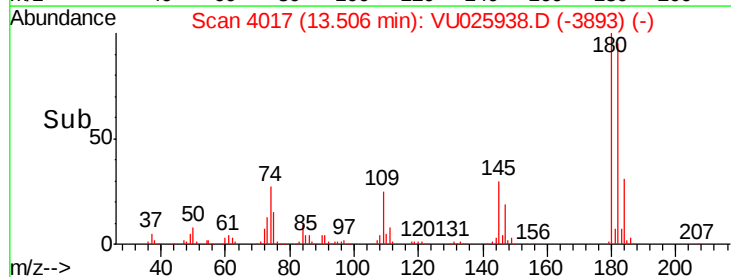
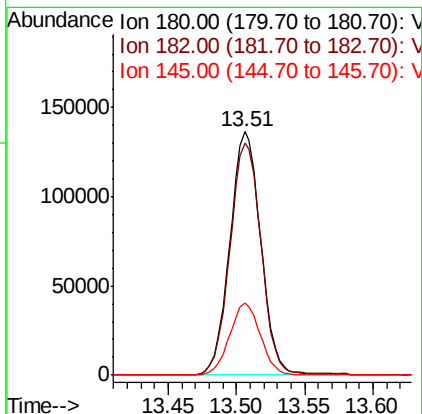
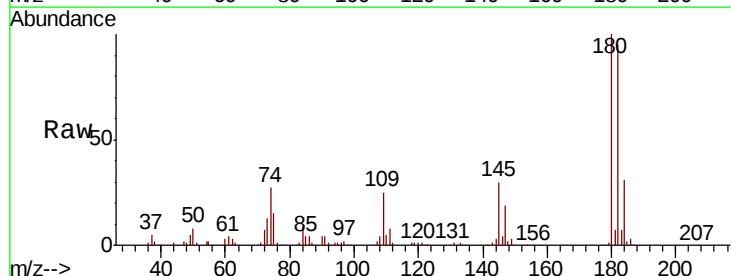
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV45

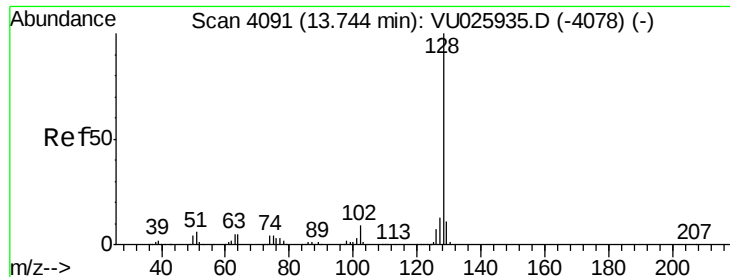
Tgt Ion:	180	Resp:	240676
Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.3	115.9
184	30.9	24.6	36.8
145	29.6	23.0	34.6



#68
 1,2,4-trichlorobenzene
 Concen: 56.345 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025938.D
 Acq: 07 Aug 2018 13:02

Tgt Ion:	180	Resp:	214889
Ion	Ratio	Lower	Upper
180	100		
182	95.7	78.1	117.1
145	29.4	23.4	35.2





#69

Naphthalene

Concen: 57.970 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

Instrument :

MSVOA_U

ClientSampled :

VICV45

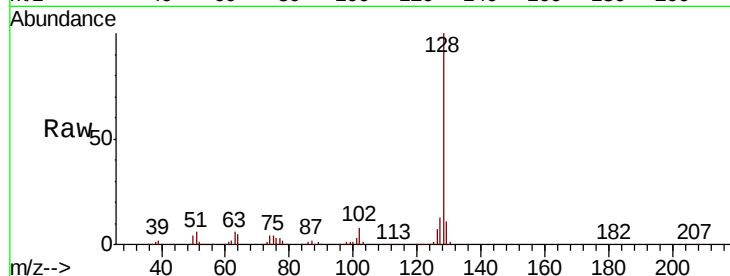
Tgt Ion:128 Resp: 649727

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

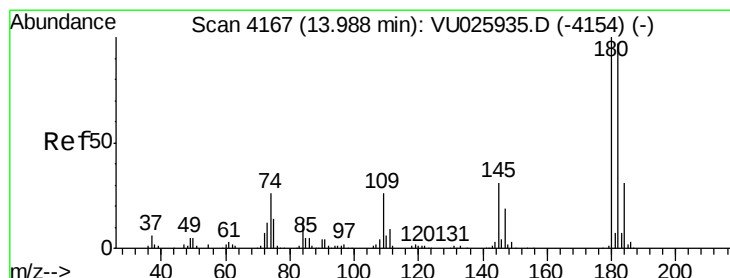
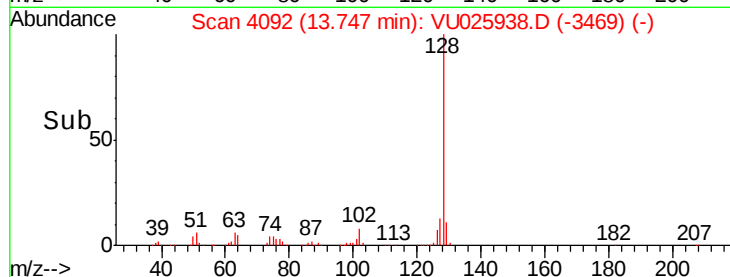
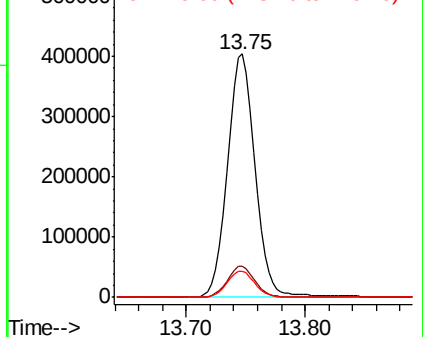
129 11.0 8.4 12.6



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: 55.721 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025938.D

Acq: 07 Aug 2018 13:02

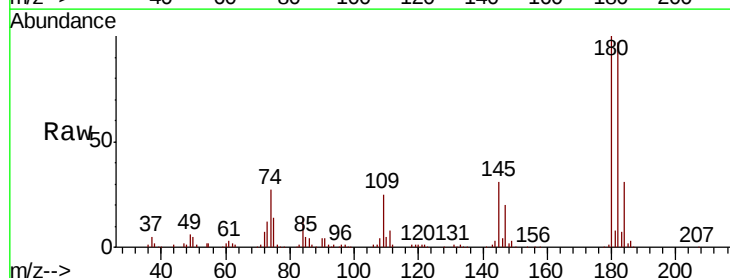
Tgt Ion:180 Resp: 217727

Ion Ratio Lower Upper

180 100

182 95.9 76.6 114.8

145 31.2 25.4 38.2



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

