

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031119\
 Data File : VU029916.D
 Acq On : 09 Mar 2019 13:14
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

Quant Time: Mar 11 02:24:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 11 02:20:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	563492	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	541027	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	285199	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	167334	48.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.34%
7) Chloroethane-d5	1.68	69	136477	47.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.44%
11) 1,1-Dichloroethene-d2	2.27	63	311735	48.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.20%
21) 2-Butanone-d5	4.17	46	268544	100.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.82%
24) Chloroform-d	4.64	84	325839	48.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.31	65	188876	48.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.36%
32) Benzene-d6	5.34	84	679013	50.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.74%
36) 1,2-Dichloropropane-d6	6.33	67	204136	50.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.26%
41) Toluene-d8	7.56	98	652543	50.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.88%
43) trans-1,3-Dichloropropene-	7.85	79	99687	50.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.16%
47) 2-Hexanone-d5	8.31	63	229514	104.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.75%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	321721	50.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.08%
64) 1,2-Dichlorobenzene-d4	11.85	152	274524	49.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	216570	49.882	ug/L 99
3) Chloromethane	1.33	50	273691	48.117	ug/L 99
5) Vinyl chloride	1.40	62	221571	50.284	ug/L 99
6) Bromomethane	1.62	94	67001	57.354	ug/L 99
8) Chloroethane	1.69	64	131875	48.931	ug/L 99
9) Trichlorofluoromethane	1.88	101	288800	49.492	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	177227	49.349	ug/L 100
12) 1,1-Dichloroethene	2.28	96	171196	49.121	ug/L 96
13) Acetone	2.32	43	260895	89.792	ug/L 99
14) Carbon disulfide	2.47	76	550410	50.672	ug/L 99
15) Methyl Acetate	2.61	43	198599	49.509	ug/L 98
16) Methylene chloride	2.70	84	197128	48.242	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	187296	50.691	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	449592	48.611	ug/L 100
19) 1,1-Dichloroethane	3.44	63	312252	49.010	ug/L 100
20) cis-1,2-Dichloroethene	4.22	96	211908	50.263	ug/L 98
22) 2-Butanone	4.26	43	324503	97.566	ug/L 99

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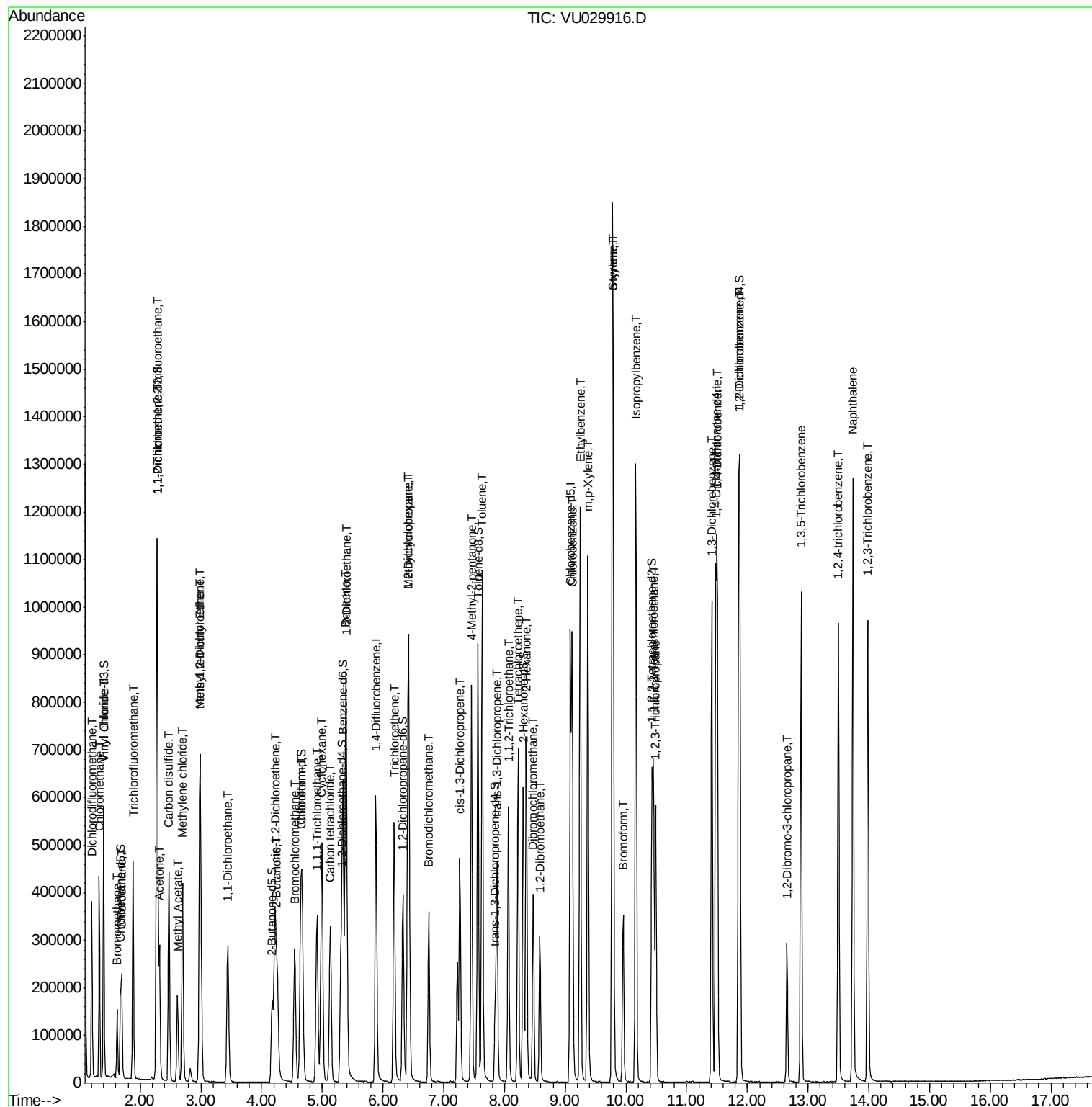
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	105039	49.561	ug/L	98
25) Chloroform	4.67	83	329107	48.004	ug/L	100
27) 1,2-Dichloroethane	5.40	62	237675	48.744	ug/L	99
29) Cyclohexane	4.99	56	285604	51.554	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	281027	51.568	ug/L	99
31) Carbon tetrachloride	5.13	117	244199	50.747	ug/L	100
33) Benzene	5.39	78	738757	51.116	ug/L	100
34) Trichloroethene	6.18	95	199690	51.268	ug/L	97
35) Methylcyclohexane	6.41	83	322918	51.955	ug/L	99
37) 1,2-Dichloropropane	6.43	63	191378	50.813	ug/L	100
38) Bromodichloromethane	6.75	83	241872	51.298	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	294195	51.326	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	521728	103.886	ug/L	99
42) Toluene	7.63	91	820396	51.928	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	271890	53.243	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	193187	50.530	ug/L	98
46) Tetrachloroethene	8.22	164	172591	51.450	ug/L	100
48) 2-Hexanone	8.36	43	431480	101.631	ug/L	99
49) Dibromochloromethane	8.47	129	212966	50.893	ug/L	99
50) 1,2-Dibromoethane	8.58	107	211600	51.352	ug/L	99
51) Chlorobenzene	9.12	112	541756	50.668	ug/L	99
52) Ethylbenzene	9.25	91	904786	51.777	ug/L	100
53) m,p-Xylene	9.37	106	349378	52.226	ug/L	98
54) o-xylene	9.77	106	347431	52.164	ug/L	99
55) Styrene	9.79	104	567440	52.515	ug/L	99
56) Isopropylbenzene	10.16	105	905198	52.480	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	331770	50.113	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	250503	50.176	ug/L	99
61) Bromoform	9.95	173	169383	51.008	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	444779	51.012	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	457161	51.204	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	452577	50.887	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	70566	50.626	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	346032	52.291	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	323604	54.815	ug/L	99
69) Naphthalene	13.74	128	1088460	59.660	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	334818	54.013	ug/L	99

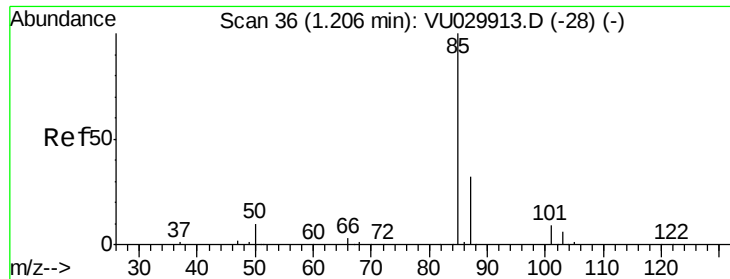
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.882 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

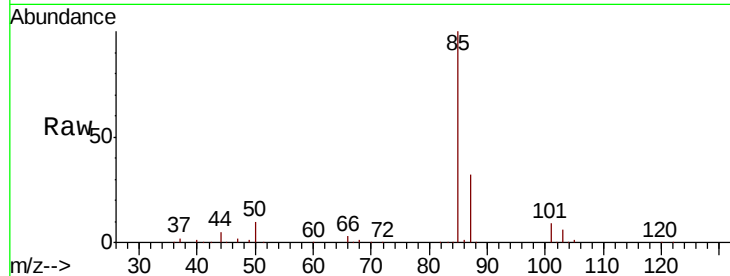
VICV47

Tgt Ion: 85 Resp: 216570

Ion Ratio Lower Upper

85 100

87 31.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

250000

200000

150000

100000

50000

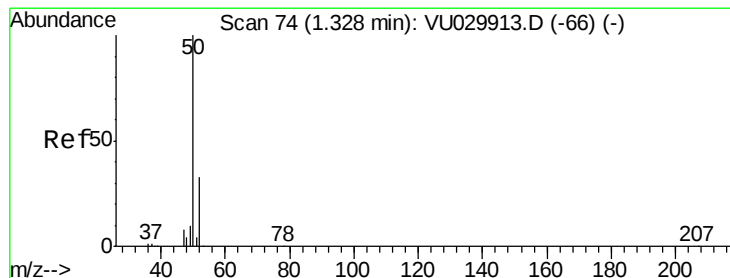
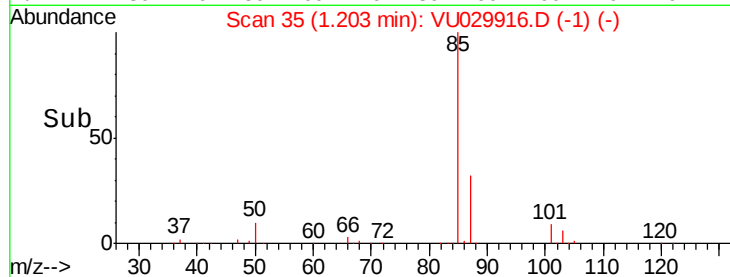
0

1.15

1.20

1.25

Time-->



#3

Chloromethane

Concen: 48.117 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029916.D

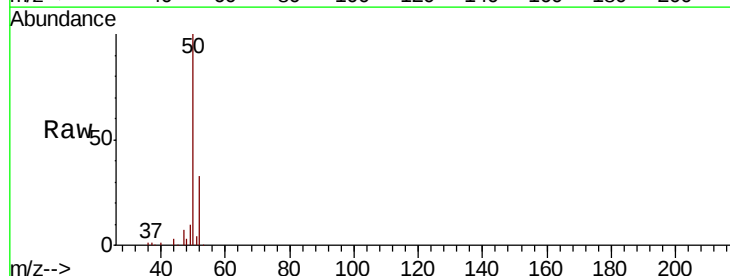
Acq: 09 Mar 2019 13:14

Tgt Ion: 50 Resp: 273691

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

300000

250000

200000

150000

100000

50000

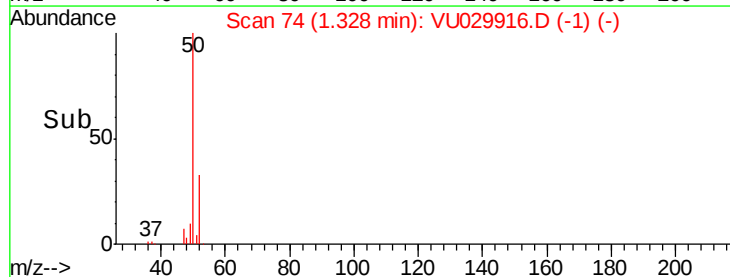
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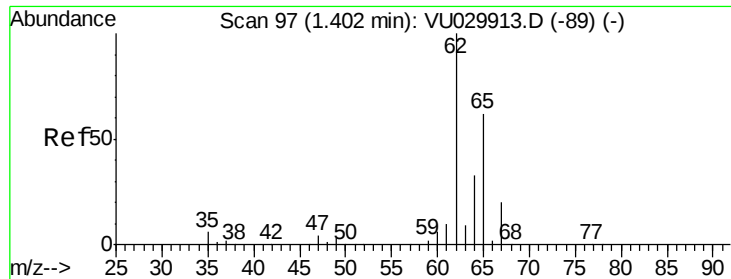
1.30

1.33

1.35

Time-->





#5

Vinyl chloride

Concen: 50.284 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

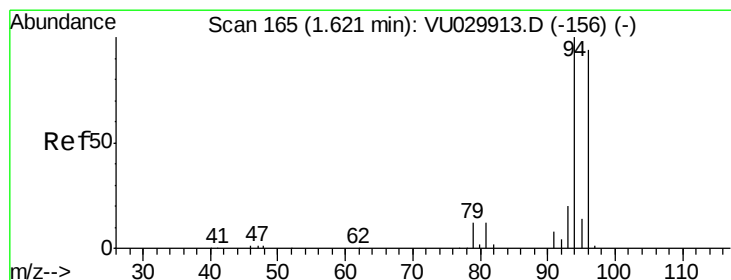
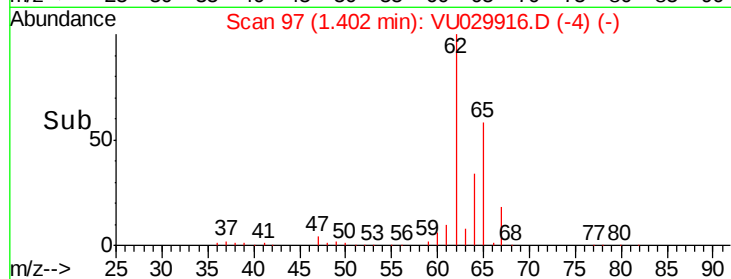
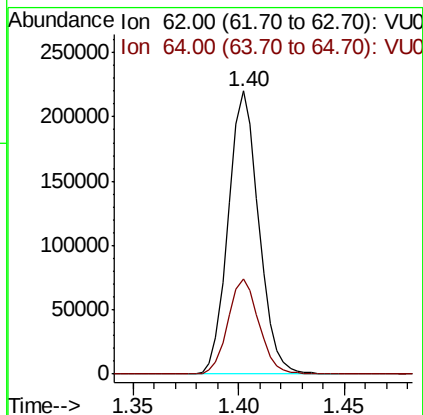
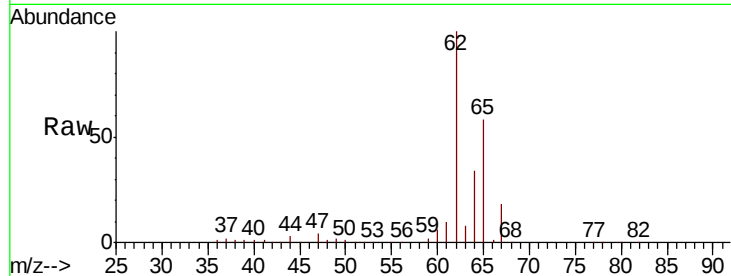
VICV47

Tgt Ion: 62 Resp: 221571

Ion Ratio Lower Upper

62 100

64 33.6 23.1 42.9



#6

Bromomethane

Concen: 57.354 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU029916.D

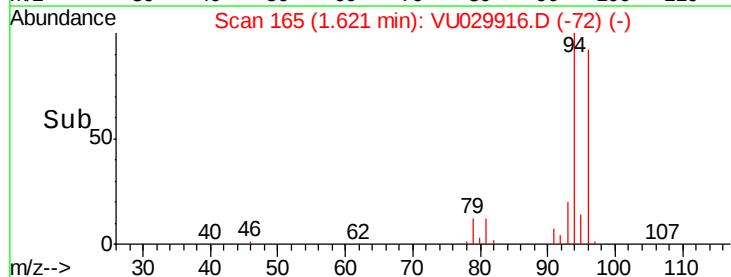
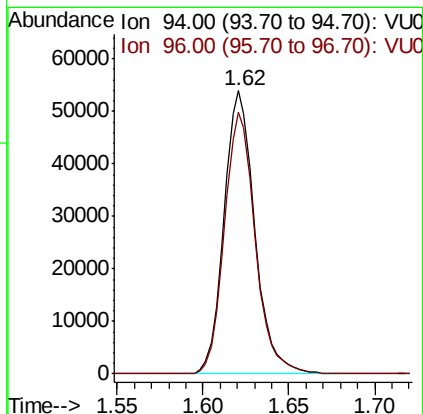
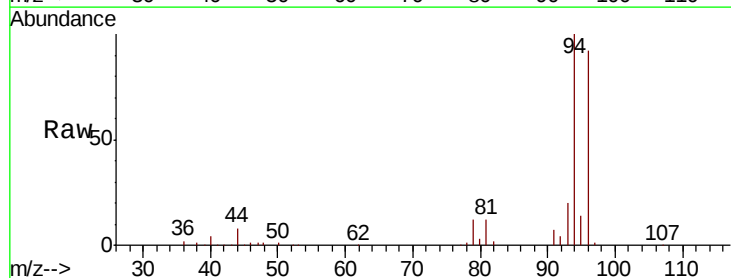
Acq: 09 Mar 2019 13:14

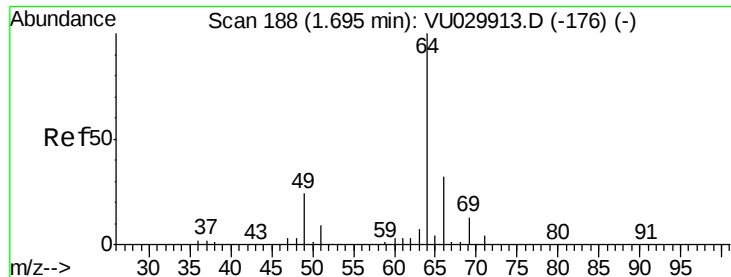
Tgt Ion: 94 Resp: 67001

Ion Ratio Lower Upper

94 100

96 92.4 65.7 121.9





#8

Chloroethane

Concen: 48.931 ug/L

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

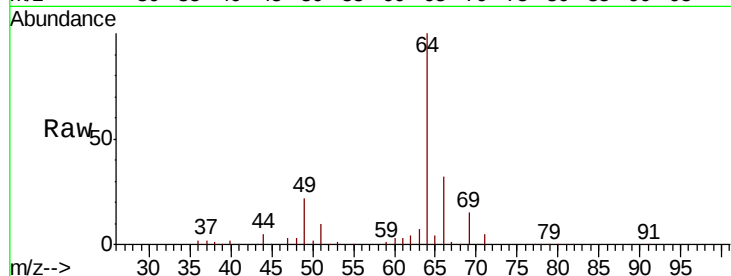
VICV47

Tgt Ion: 64 Resp: 131875

Ion Ratio Lower Upper

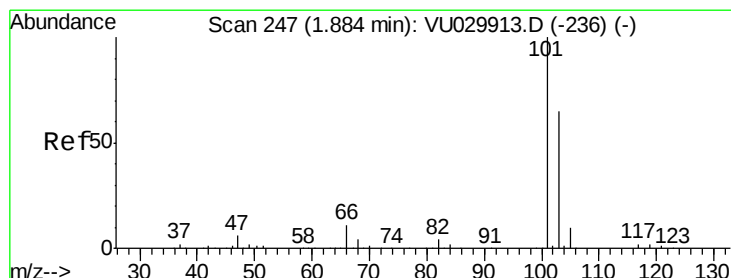
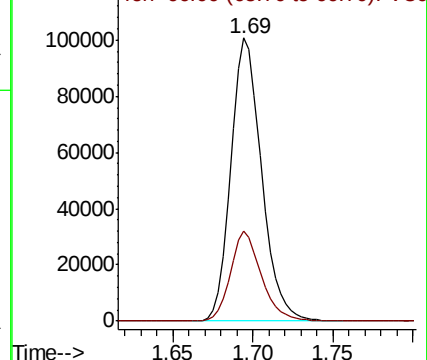
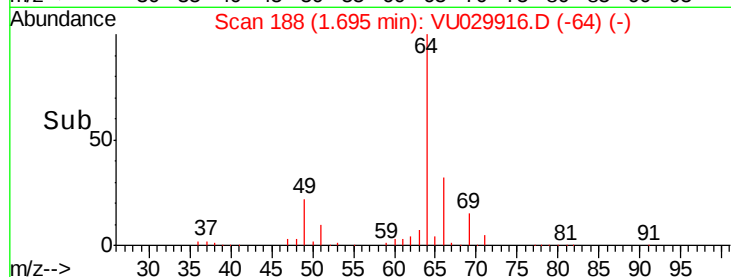
64 100

66 31.6 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU029916.D (-64) (-)

Ion 66.00 (65.70 to 66.70): VU029916.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 49.492 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU029916.D

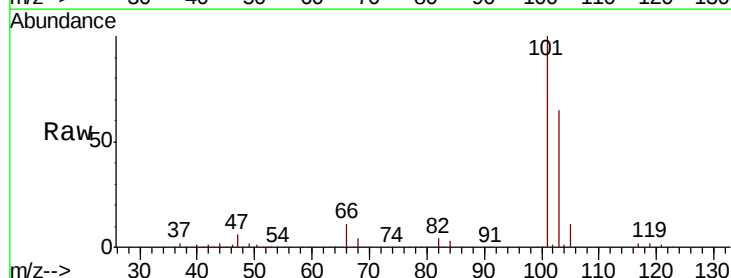
Acq: 09 Mar 2019 13:14

Tgt Ion: 101 Resp: 288800

Ion Ratio Lower Upper

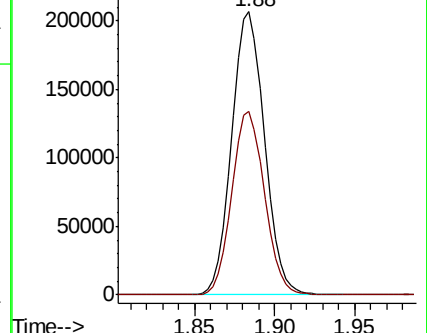
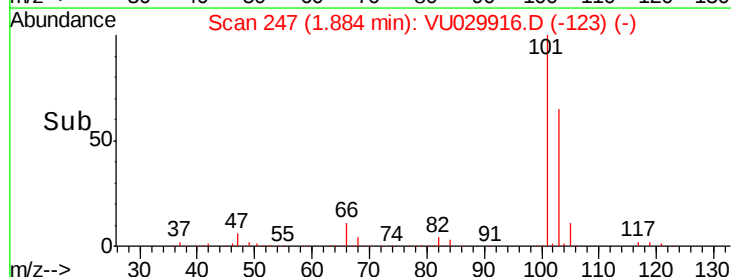
101 100

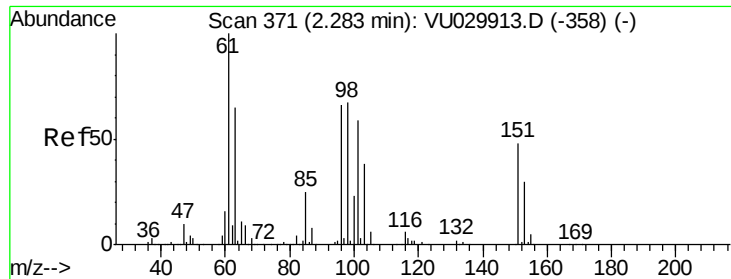
103 64.6 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU029916.D (-101) (-)

Ion 103.00 (102.70 to 103.70): VU029916.D (-103) (-)





#10

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

Concen: 49.349 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

Instrument :

MSVOA_U

ClientSampled :

VICV47

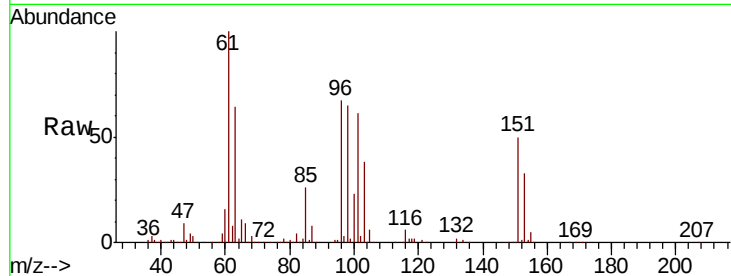
Tgt Ion: 101 Resp: 177227

Ion Ratio Lower Upper

101 100

85 42.2 33.4 50.2

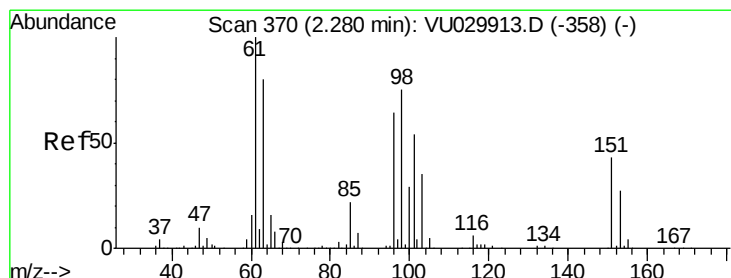
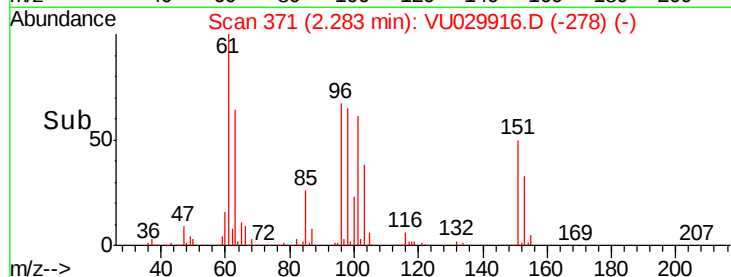
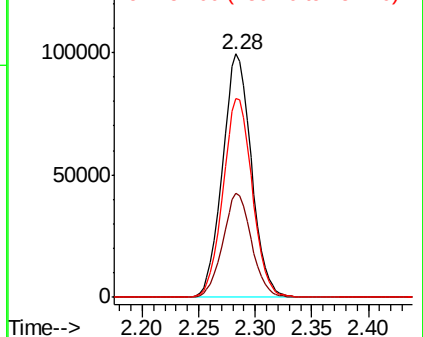
151 82.2 65.8 98.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.121 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

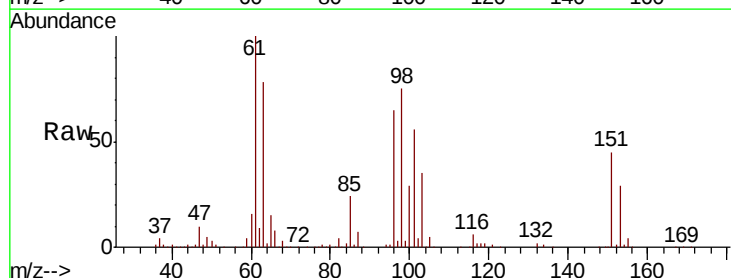
Tgt Ion: 96 Resp: 171196

Ion Ratio Lower Upper

96 100

61 152.7 109.0 202.4

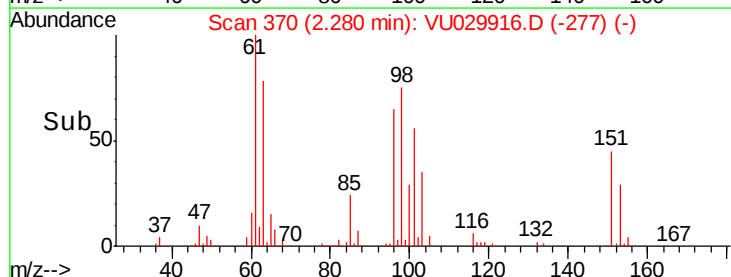
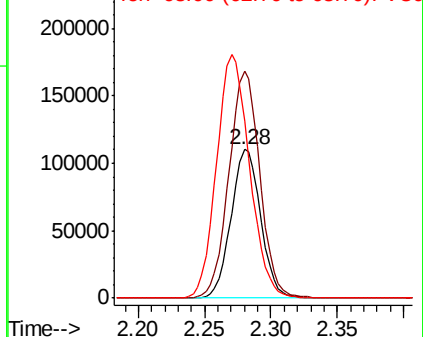
63 119.1 88.1 163.5

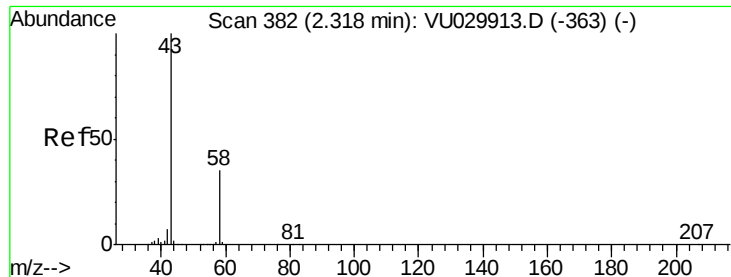


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 89.792 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

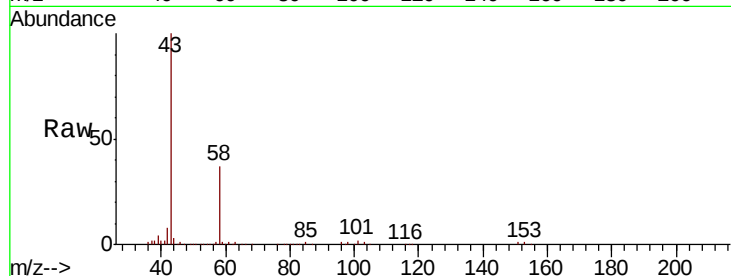
VICV47

Tgt Ion: 43 Resp: 260895

Ion Ratio Lower Upper

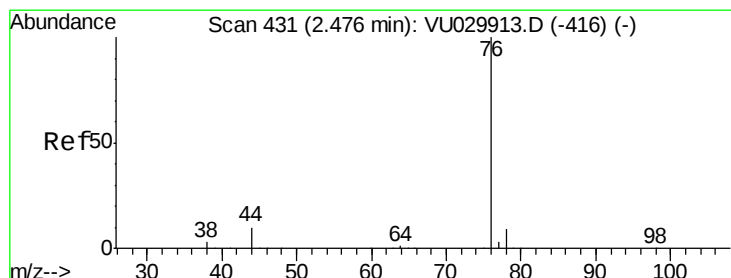
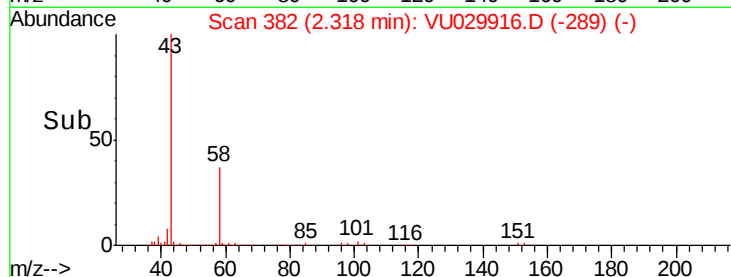
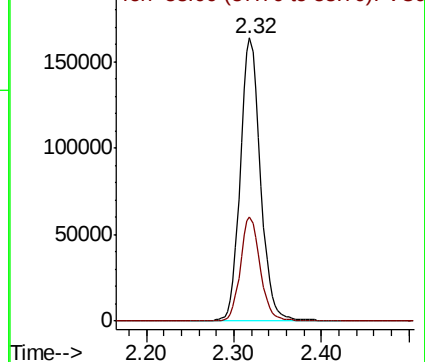
43 100

58 35.9 0.0 70.2



Abundance Ion 43.00 (42.70 to 43.70): VU029913.D (-363) (-)

Ion 58.00 (57.70 to 58.70): VU029913.D (-363) (-)



#14

Carbon disulfide

Concen: 50.672 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029916.D

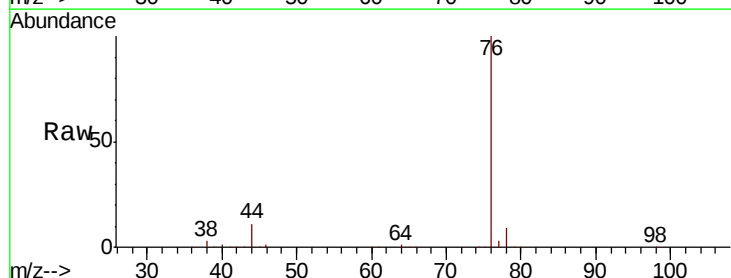
Acq: 09 Mar 2019 13:14

Tgt Ion: 76 Resp: 550410

Ion Ratio Lower Upper

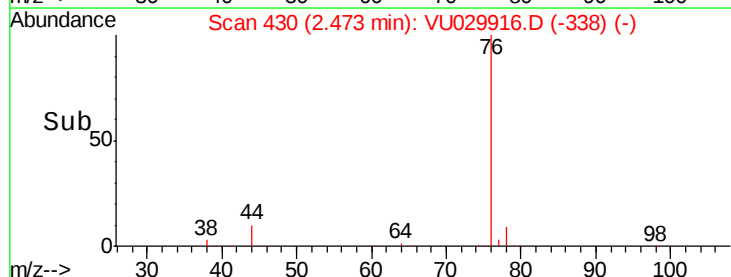
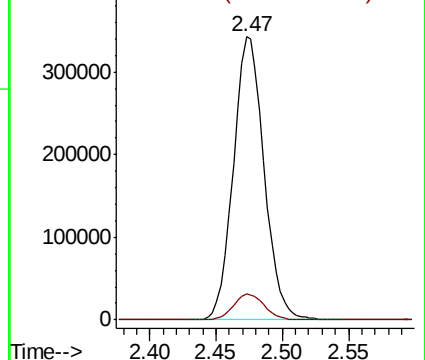
76 100

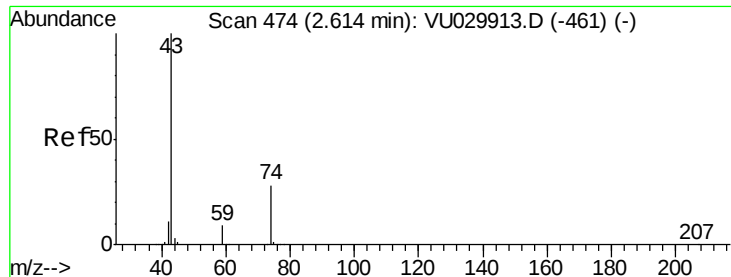
78 9.2 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VU029913.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU029913.D (-416) (-)

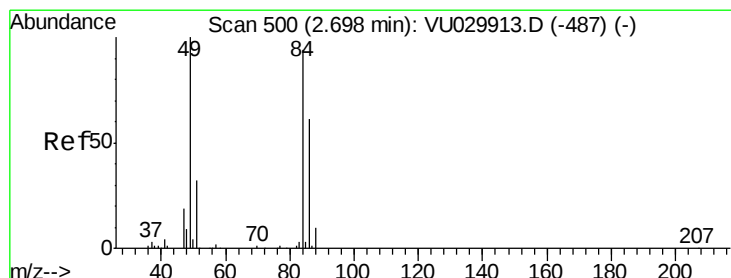
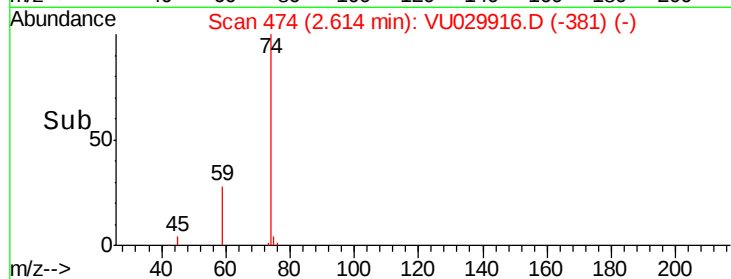
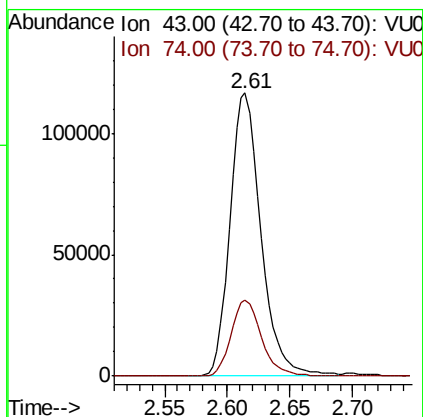
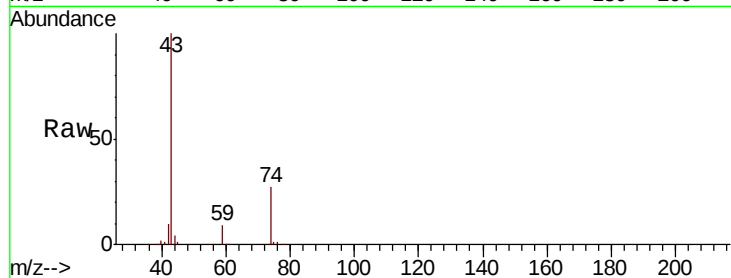




#15
Methyl Acetate
Concen: 49.509 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029916.D
Acq: 09 Mar 2019 13:14

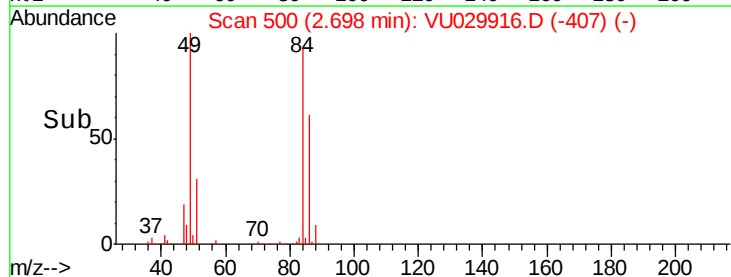
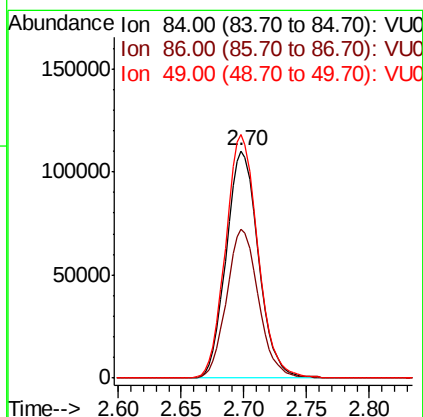
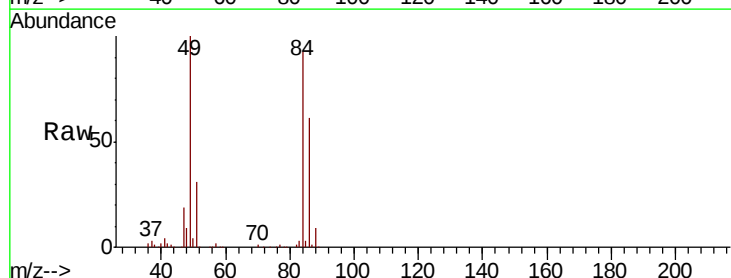
Instrument :
MSVOA_U
ClientSampleId :
VICV47

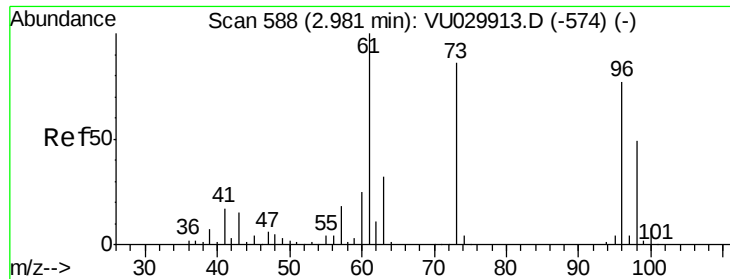
Tgt Ion: 43 Resp: 198599
Ion Ratio Lower Upper
43 100
74 26.6 22.1 33.1



#16
Methylene chloride
Concen: 48.242 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029916.D
Acq: 09 Mar 2019 13:14

Tgt Ion: 84 Resp: 197128
Ion Ratio Lower Upper
84 100
86 65.8 45.3 84.1
49 107.2 74.8 139.0

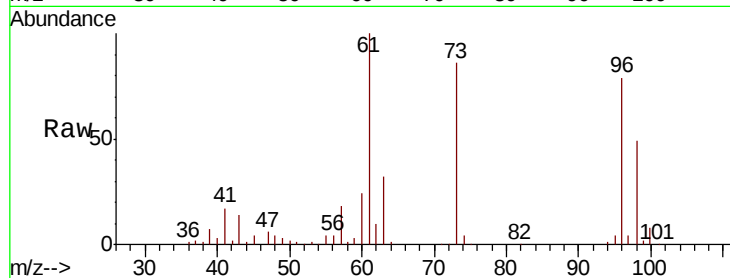




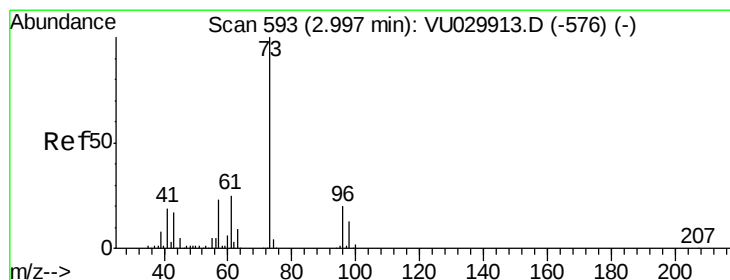
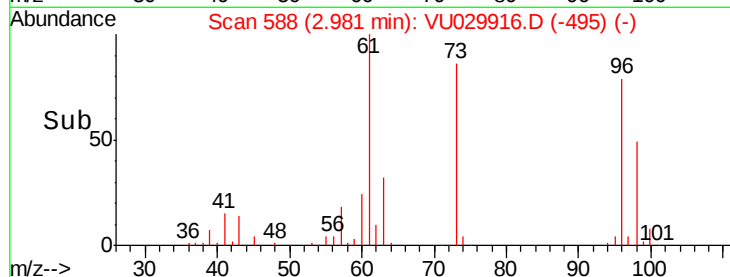
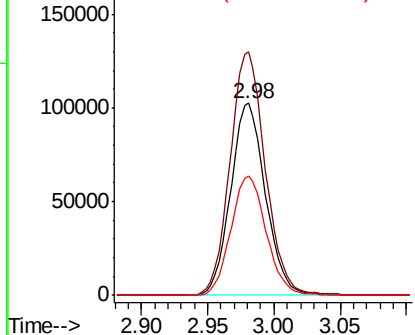
#17
 trans-1,2-Dichloroethene
 Concen: 50.691 ug/L
 RT: 2.98 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VU029916.D
 Acq: 09 Mar 2019 13:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

Tgt Ion: 96 Resp: 187296
 Ion Ratio Lower Upper
 96 100
 61 126.6 91.1 169.3
 98 62.2 45.0 83.6

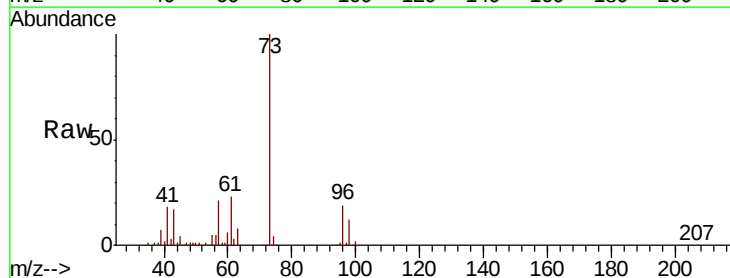


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

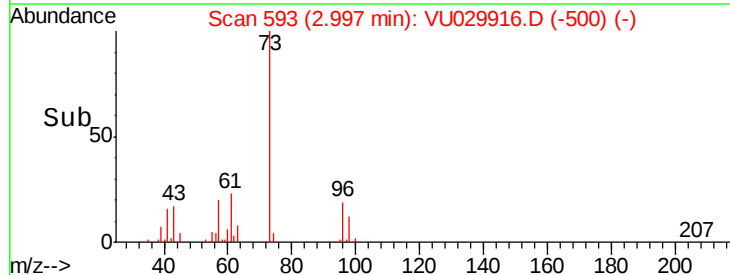
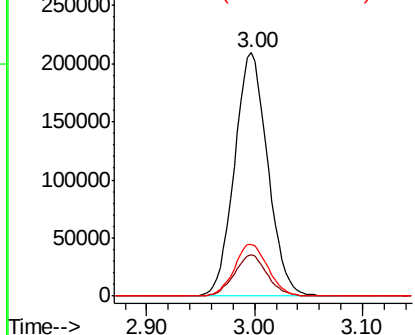


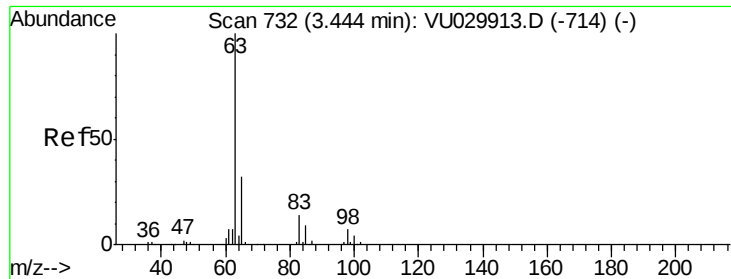
#18
 Methyl tert-butyl Ether
 Concen: 48.611 ug/L
 RT: 3.00 min Scan# 593
 Delta R.T. 0.00 min
 Lab File: VU029916.D
 Acq: 09 Mar 2019 13:14

Tgt Ion: 73 Resp: 449592
 Ion Ratio Lower Upper
 73 100
 43 16.6 13.5 20.3
 57 21.6 17.4 26.0



Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0

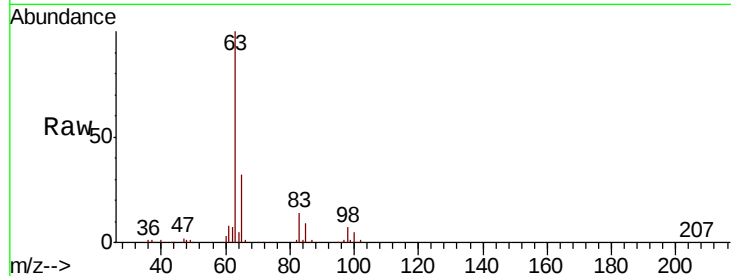




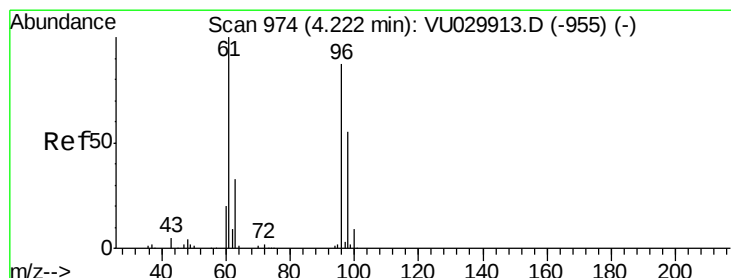
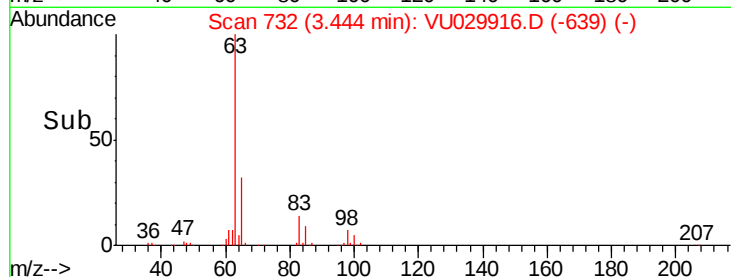
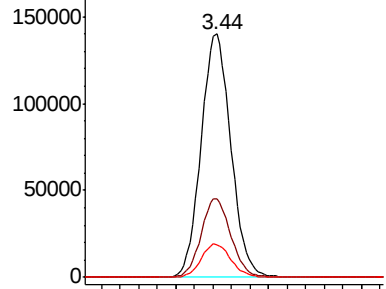
#19
 1,1-Dichloroethane
 Concen: 49.010 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU029916.D
 Acq: 09 Mar 2019 13:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

Tgt Ion: 63 Resp: 312252
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.4 41.6
 83 13.6 9.7 18.1

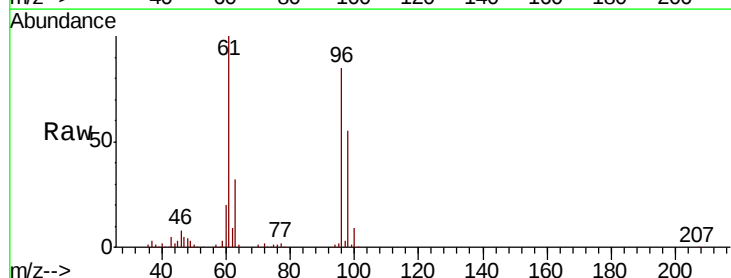


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

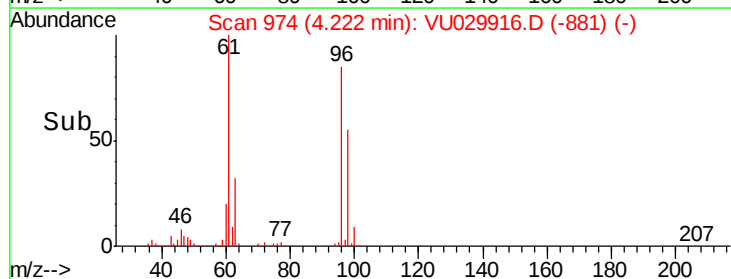
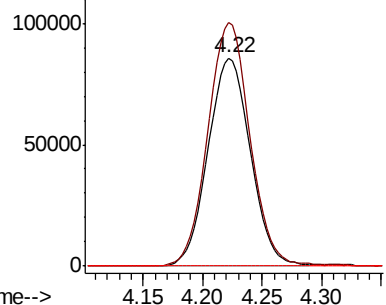


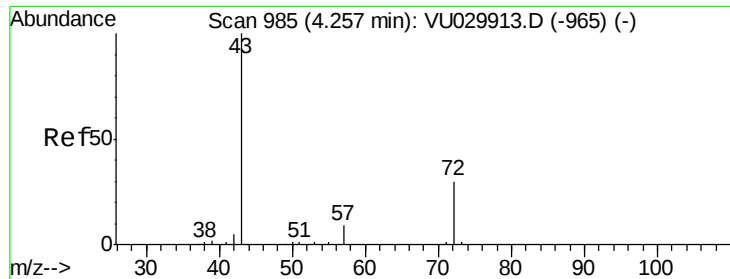
#20
 cis-1,2-Dichloroethene
 Concen: 50.263 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029916.D
 Acq: 09 Mar 2019 13:14

Tgt Ion: 96 Resp: 211908
 Ion Ratio Lower Upper
 96 100
 61 117.1 80.6 149.8
 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: 97.566 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

Instrument :

MSVOA_U

ClientSampled :

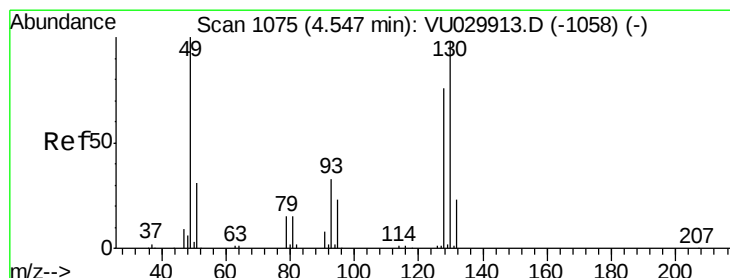
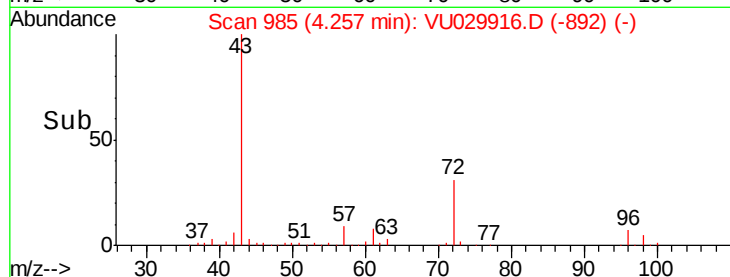
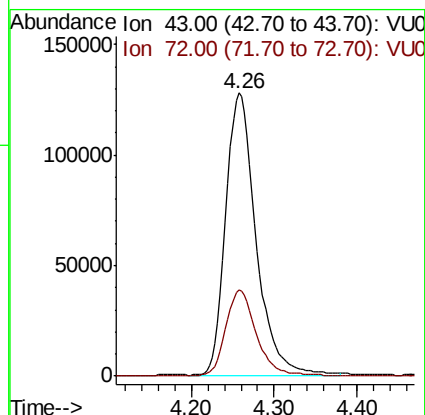
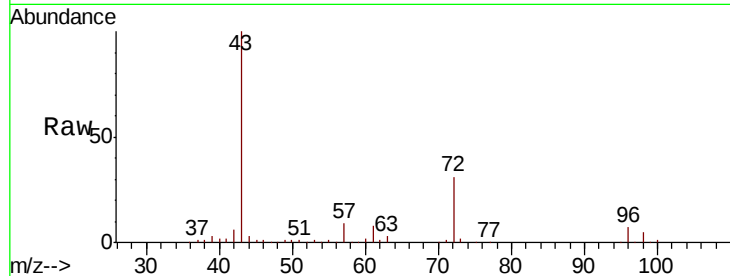
VICV47

Tgt Ion: 43 Resp: 324503

Ion Ratio Lower Upper

43 100

72 30.3 15.4 46.4



#23

Bromochloromethane

Concen: 49.561 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

Tgt Ion: 128 Resp: 105039

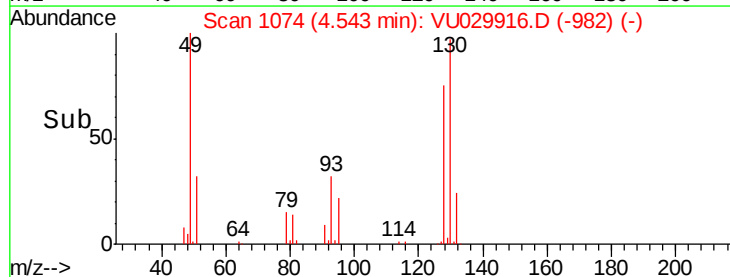
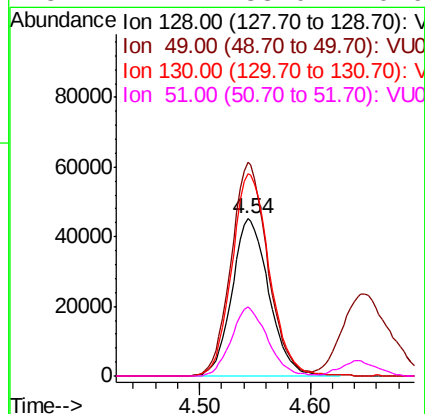
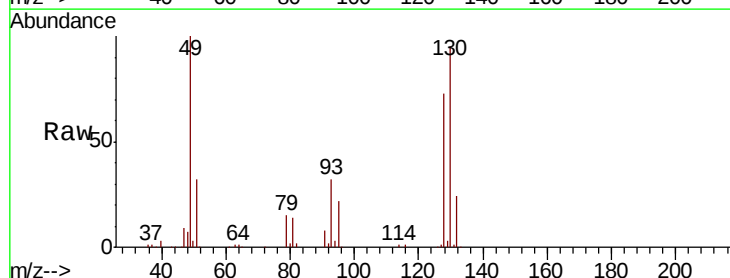
Ion Ratio Lower Upper

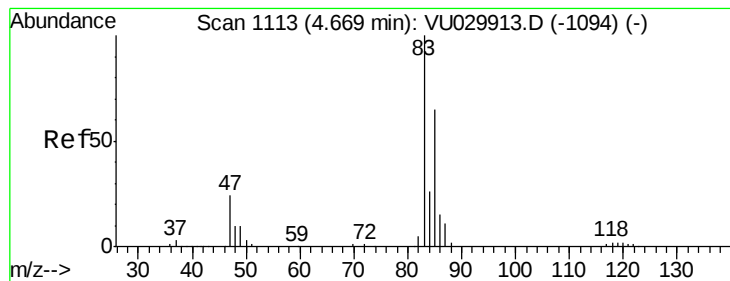
128 100

49 136.1 92.2 171.2

130 129.3 90.4 168.0

51 44.2 33.0 49.6





#25

Chloroform

Concen: 48.004 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

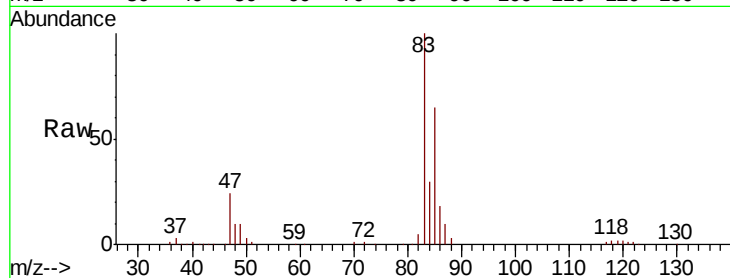
VICV47

Tgt Ion: 83 Resp: 329107

Ion Ratio Lower Upper

83 100

85 64.5 45.3 84.1



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

4.67

150000

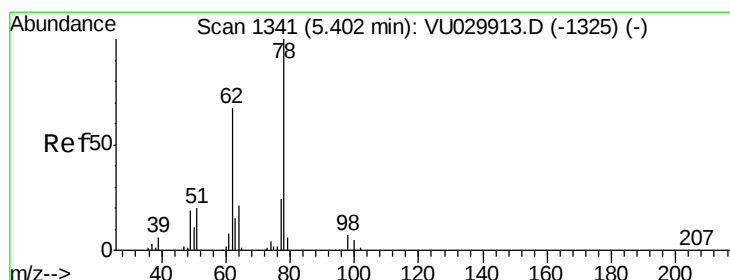
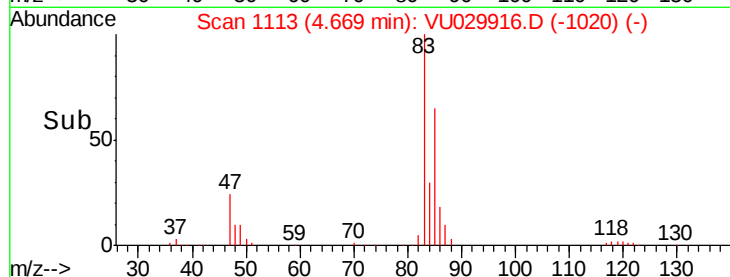
100000

50000

0

Time-->

4.55 4.60 4.65 4.70 4.75



#27

1,2-Dichloroethane

Concen: 48.744 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU029916.D

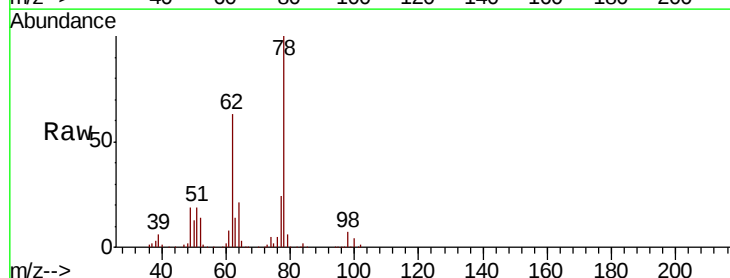
Acq: 09 Mar 2019 13:14

Tgt Ion: 62 Resp: 237675

Ion Ratio Lower Upper

62 100

98 11.0 8.6 12.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.40

120000

100000

80000

60000

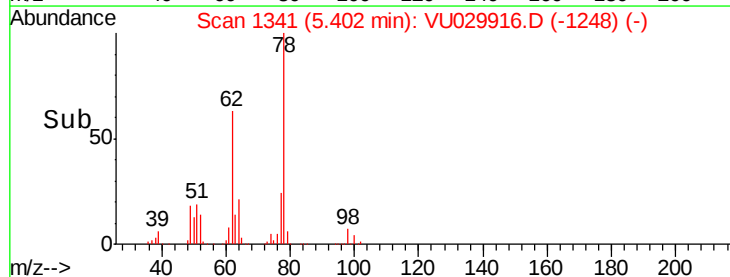
40000

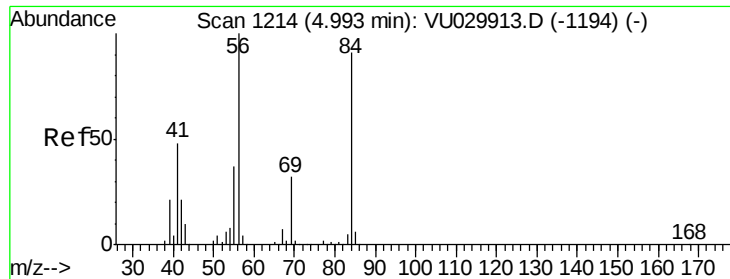
20000

0

Time-->

5.30 5.40 5.50

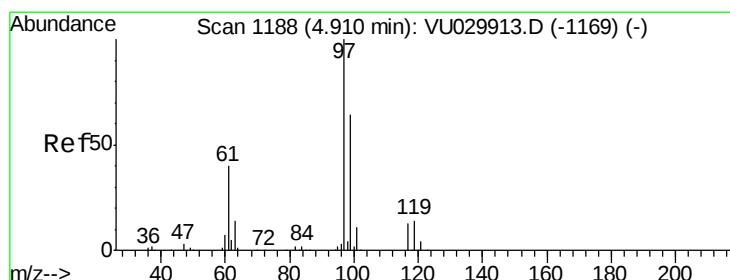
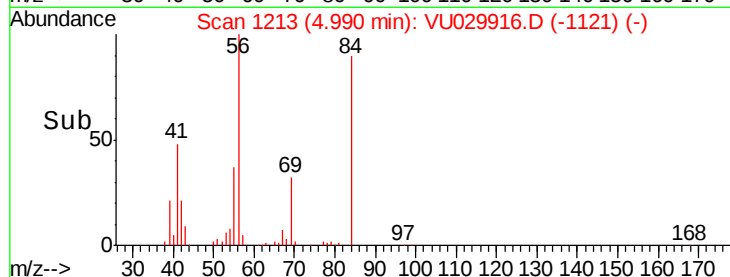
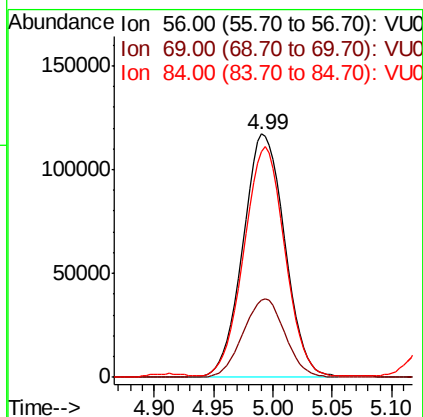
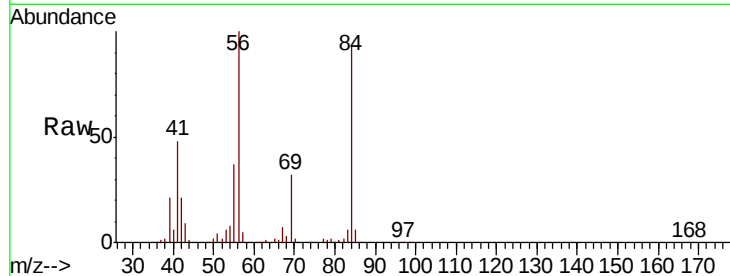




#29
Cyclohexane
Concen: 51.554 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. -0.00 min
Lab File: VU029916.D
Acq: 09 Mar 2019 13:14

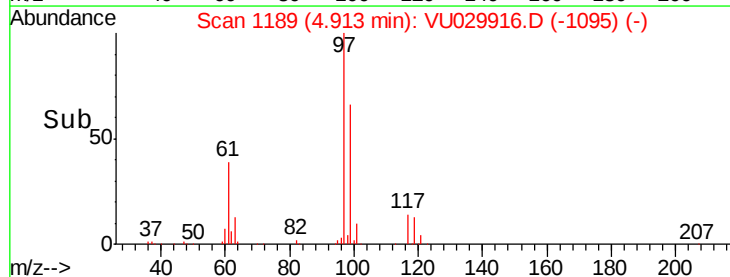
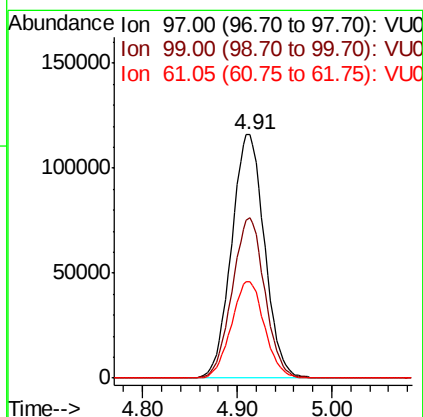
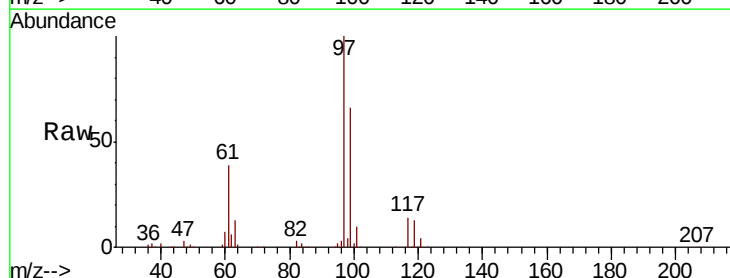
Instrument :
MSVOA_U
ClientSampleId :
VICV47

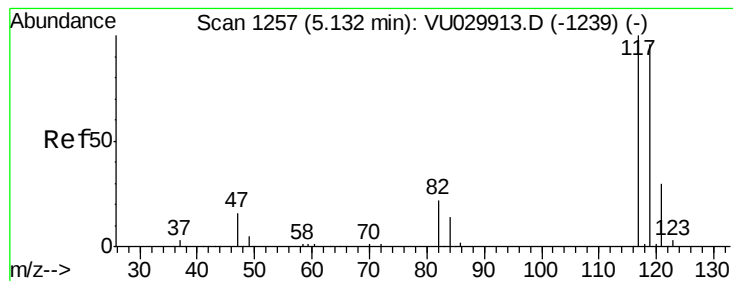
Tgt Ion: 56 Resp: 285604
Ion Ratio Lower Upper
56 100
69 32.3 25.4 38.0
84 93.5 73.0 109.6



#30
1,1,1-Trichloroethane
Concen: 51.568 ug/L
RT: 4.91 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU029916.D
Acq: 09 Mar 2019 13:14

Tgt Ion: 97 Resp: 281027
Ion Ratio Lower Upper
97 100
99 65.0 51.4 77.0
61 39.8 32.2 48.2





#31

Carbon tetrachloride

Concen: 50.747 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

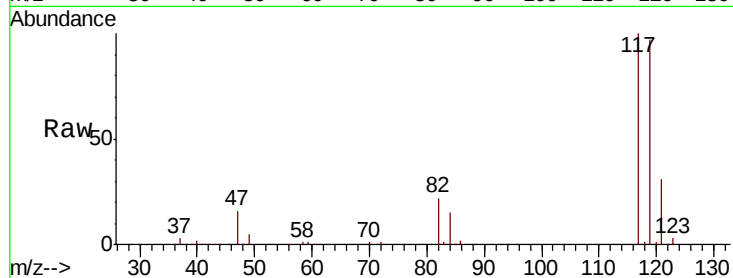
VICV47

Tgt Ion:117 Resp: 244199

Ion Ratio Lower Upper

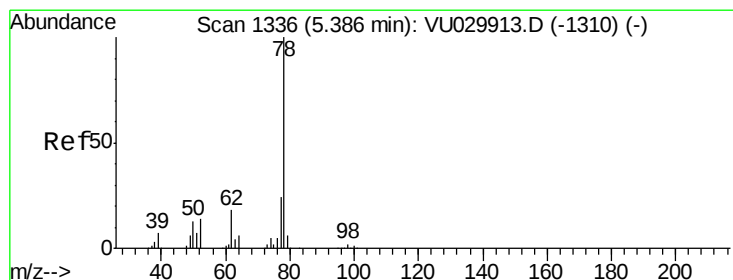
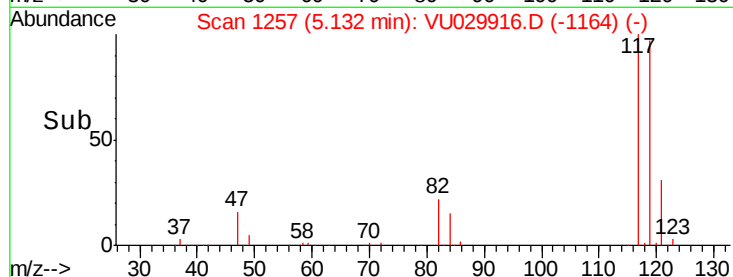
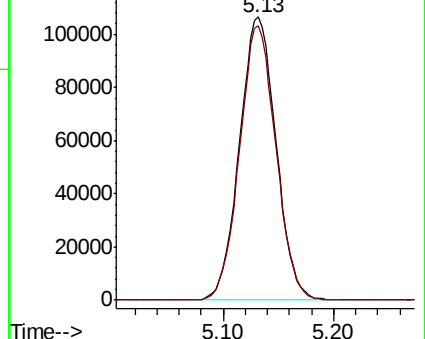
117 100

119 96.4 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.116 ug/L

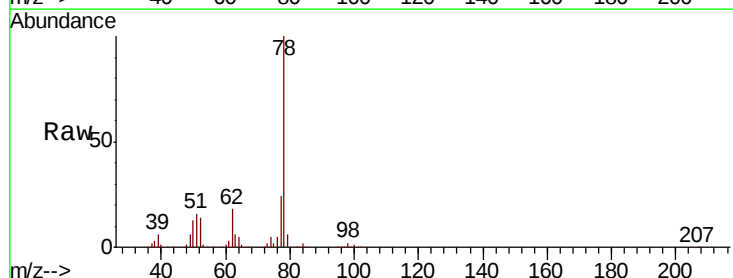
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

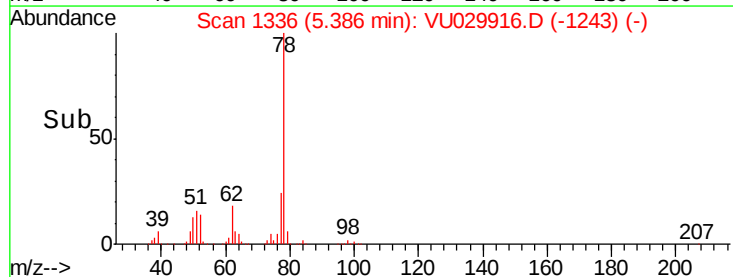
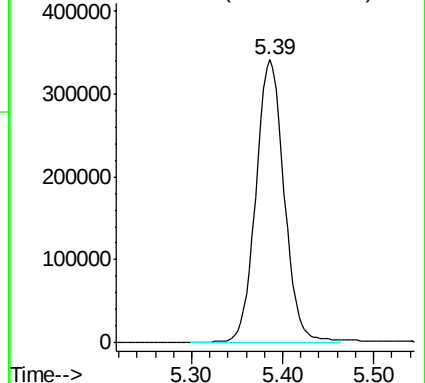
Lab File: VU029916.D

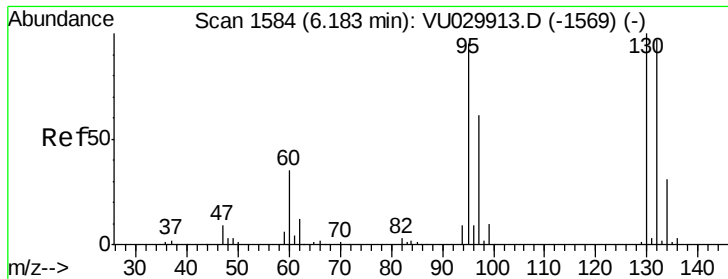
Acq: 09 Mar 2019 13:14

Tgt Ion: 78 Resp: 738757



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 51.268 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

VICV47

Tgt Ion: 95 Resp: 199690

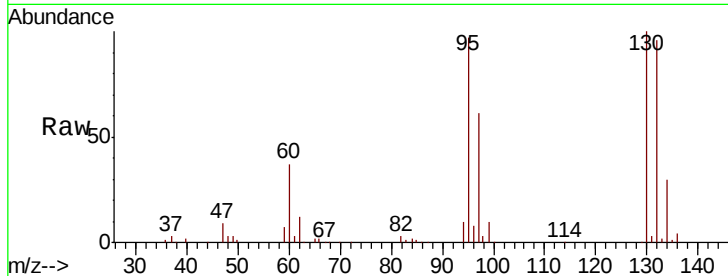
Ion Ratio Lower Upper

95 100

97 62.9 45.1 83.7

132 98.5 72.0 133.6

130 102.6 74.1 137.5

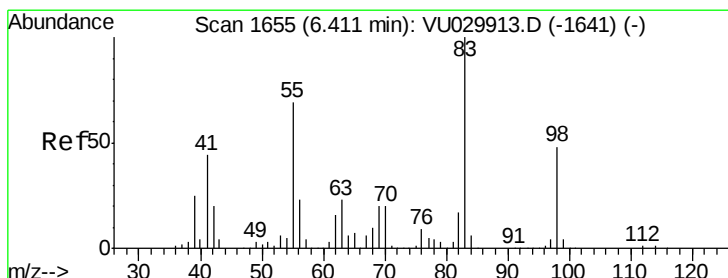
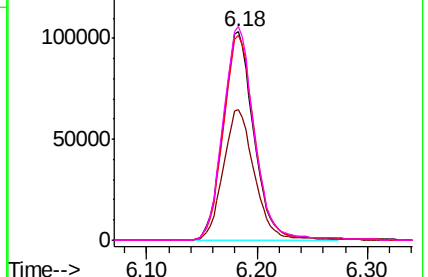
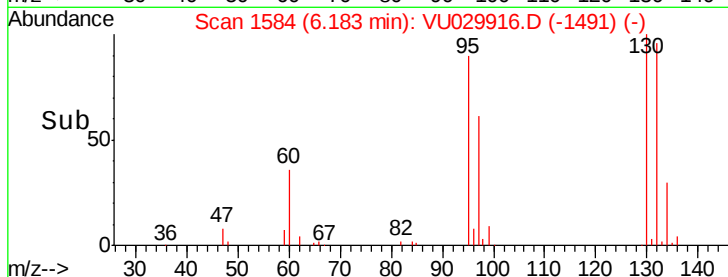


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 51.955 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

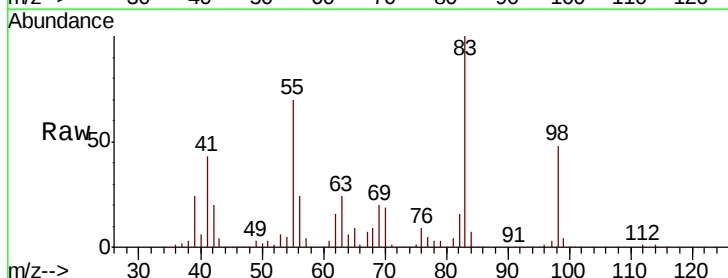
Tgt Ion: 83 Resp: 322918

Ion Ratio Lower Upper

83 100

55 70.1 55.5 83.3

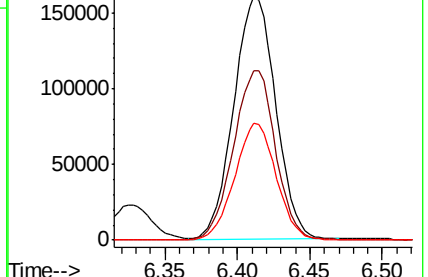
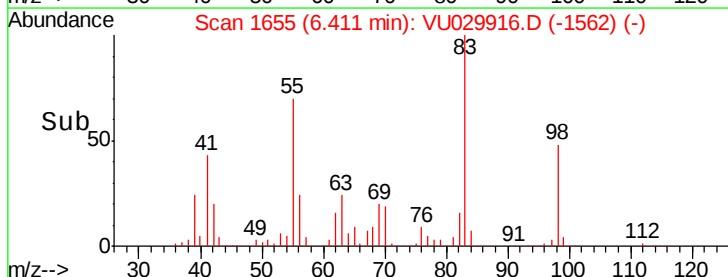
98 47.7 37.6 56.4

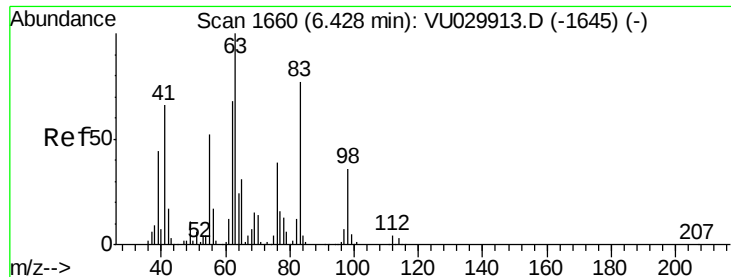


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 50.813 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

Instrument :

MSVOA_U

ClientSampled :

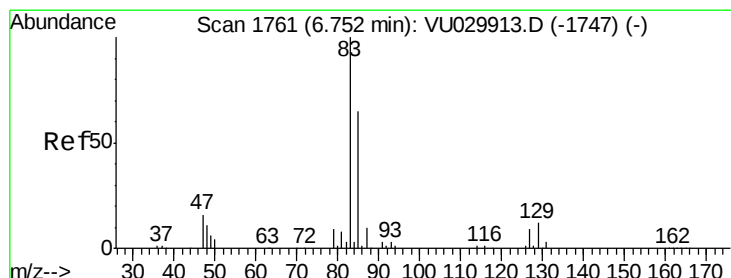
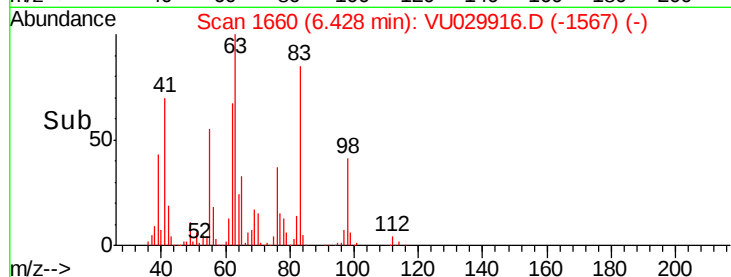
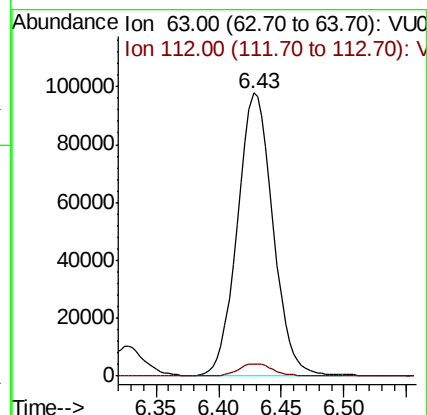
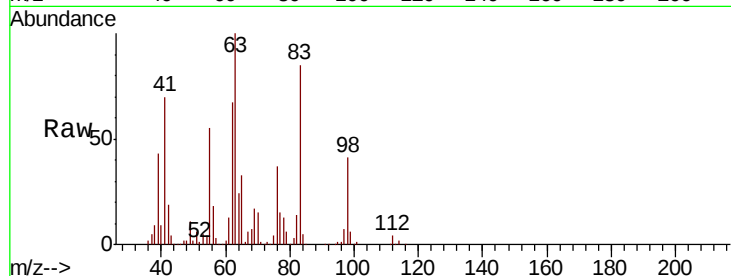
VICV47

Tgt Ion: 63 Resp: 191378

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.0



#38

Bromodichloromethane

Concen: 51.298 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

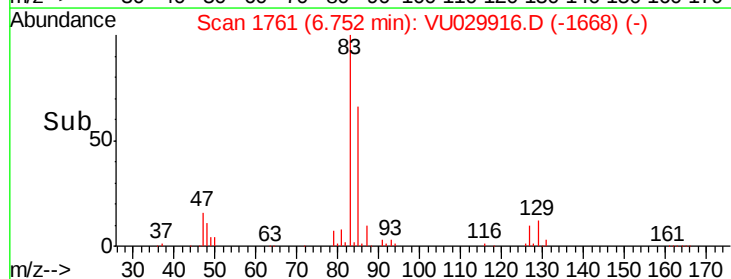
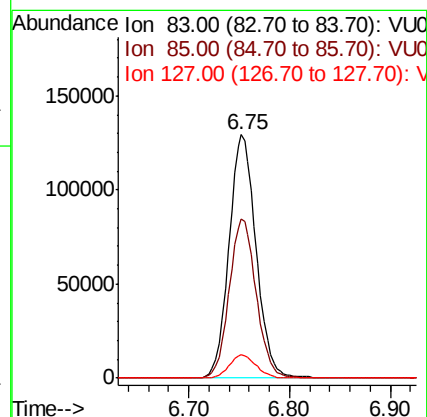
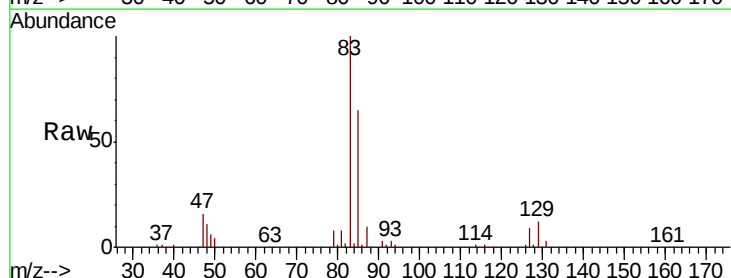
Tgt Ion: 83 Resp: 241872

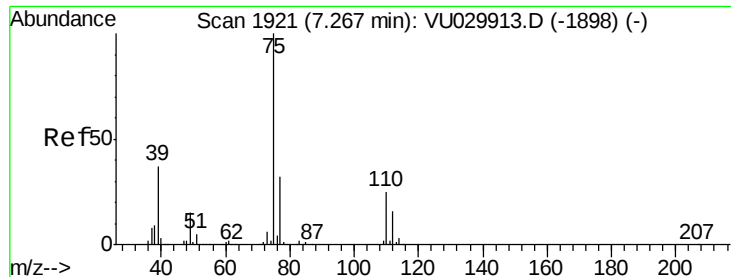
Ion Ratio Lower Upper

83 100

85 65.2 45.2 84.0

127 9.5 7.4 11.0

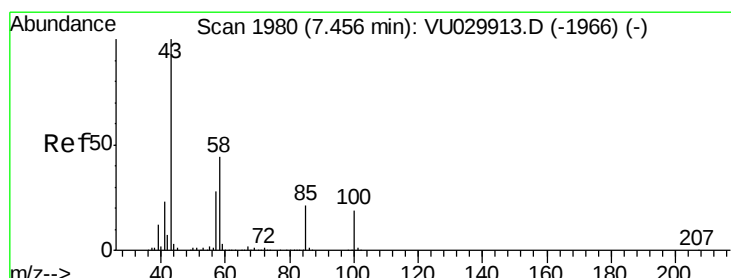
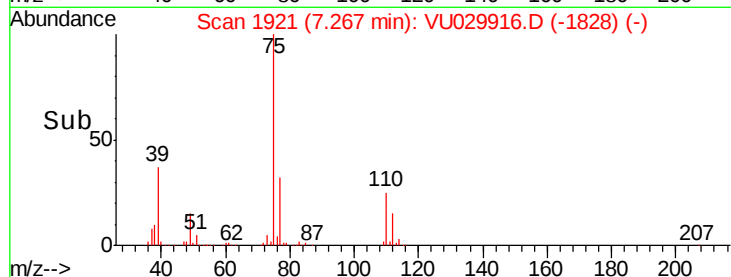
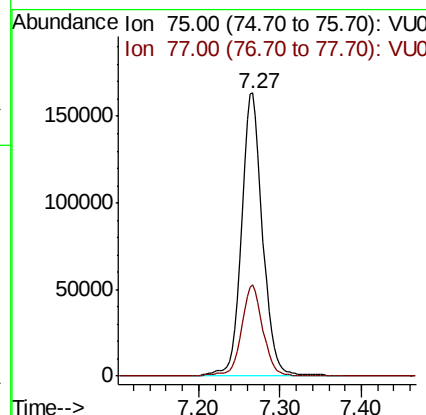
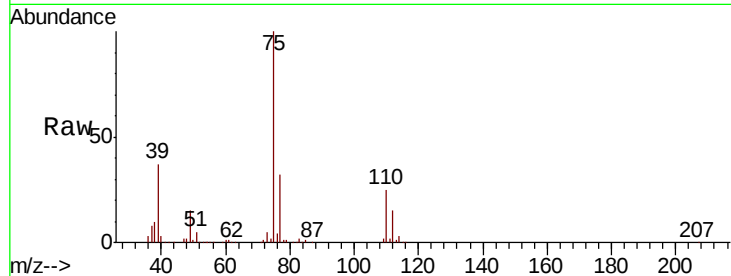




#39
 cis-1,3-Dichloropropene
 Concen: 51.326 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029916.D
 Acq: 09 Mar 2019 13:14

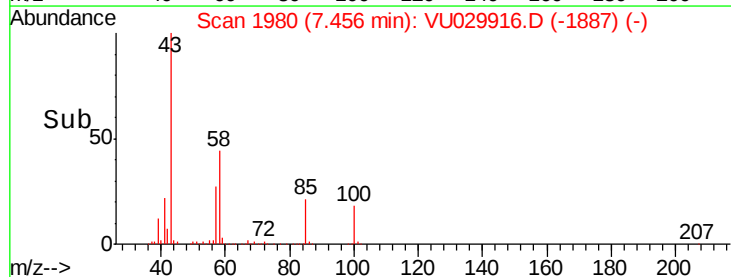
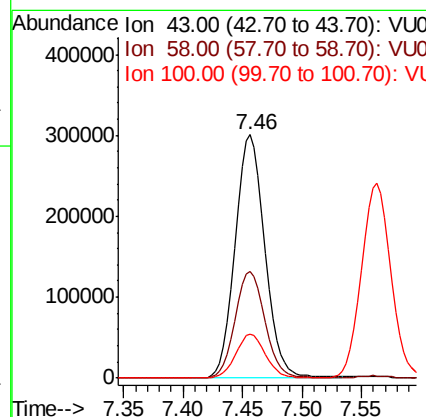
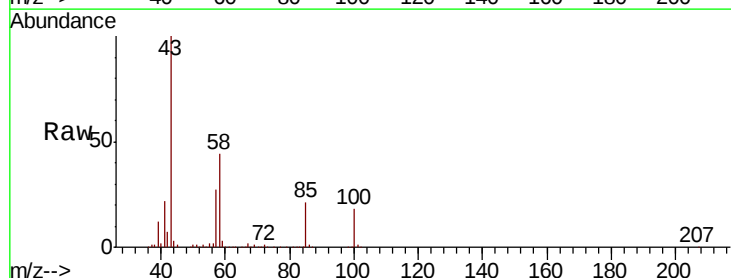
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

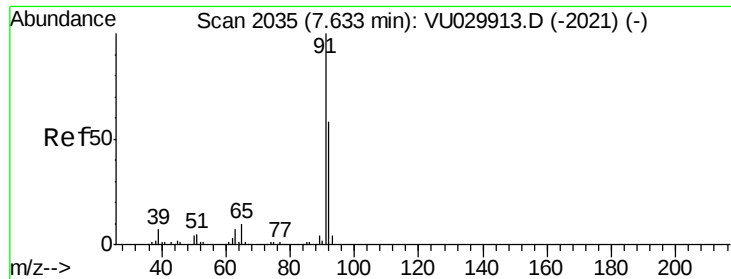
Tgt Ion: 75 Resp: 294195
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 103.886 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU029916.D
 Acq: 09 Mar 2019 13:14

Tgt Ion: 43 Resp: 521728
 Ion Ratio Lower Upper
 43 100
 58 44.0 35.0 52.6
 100 18.0 14.8 22.2





#42

Toluene

Concen: 51.928 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

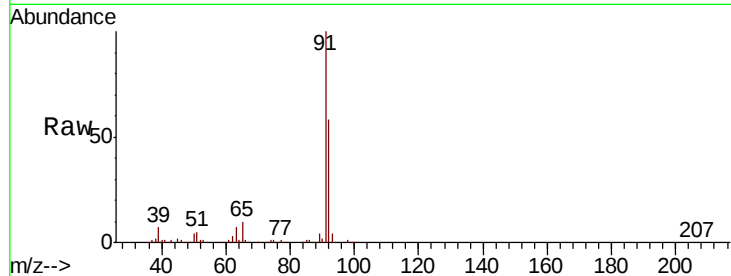
VICV47

Tgt Ion: 91 Resp: 820396

Ion Ratio Lower Upper

91 100

92 58.3 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VU029913.D (-2021) (-)

Ion 92.00 (91.70 to 92.70): VU029913.D (-2021) (-)

7.63

500000

400000

300000

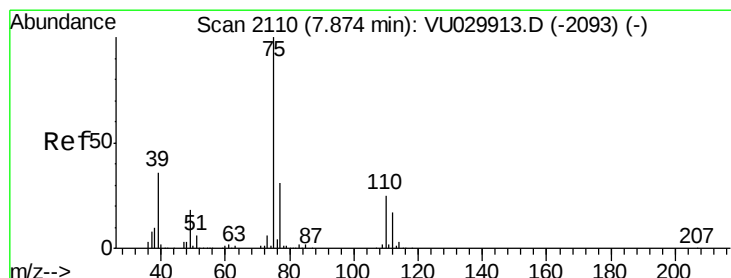
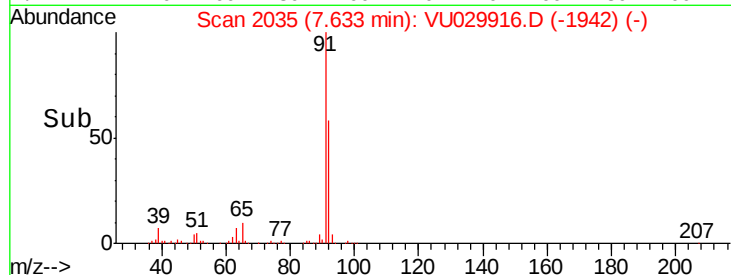
200000

100000

0

7.60 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 53.243 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU029916.D

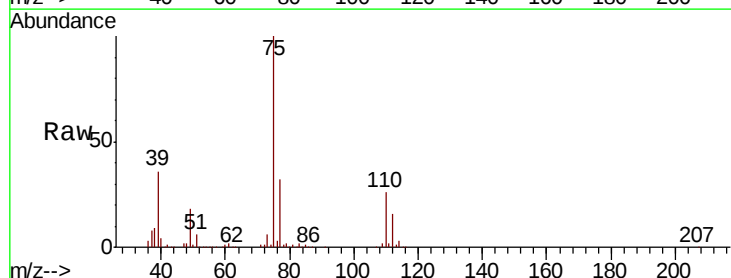
Acq: 09 Mar 2019 13:14

Tgt Ion: 75 Resp: 271890

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU029913.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU029913.D (-2093) (-)

7.87

150000

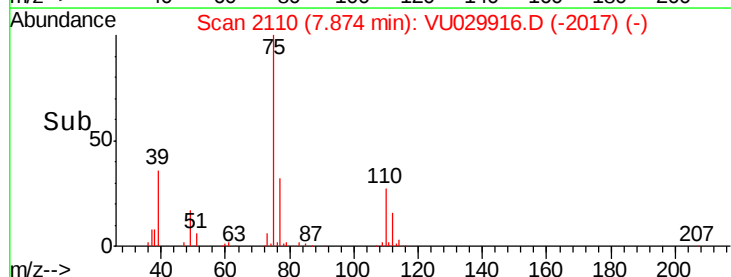
100000

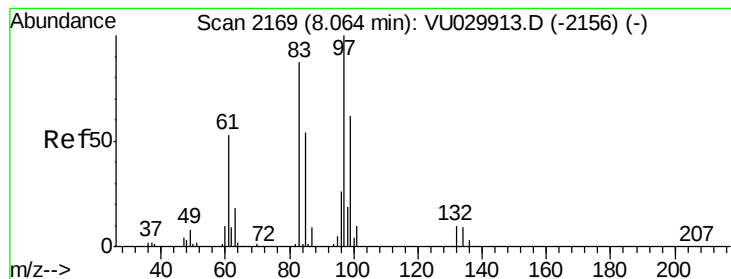
50000

0

7.80 7.90 8.00

Time-->





#45

1,1,2-Trichloroethane

Concen: 50.530 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

VICV47

Tgt Ion: 97 Resp: 193187

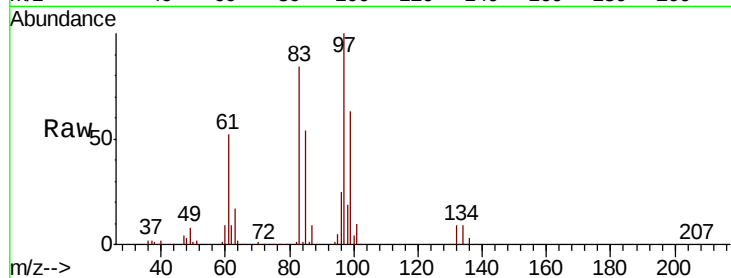
Ion Ratio Lower Upper

97 100

99 62.6 43.7 81.1

83 83.9 60.8 112.8

85 54.1 38.1 70.7

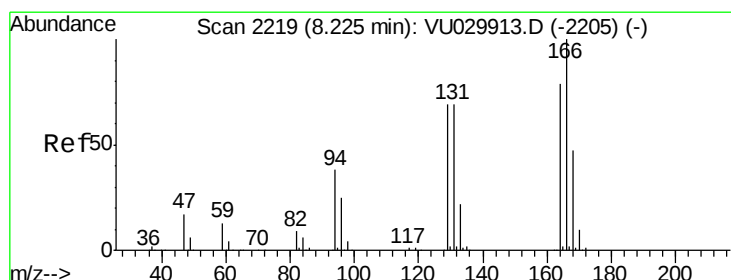
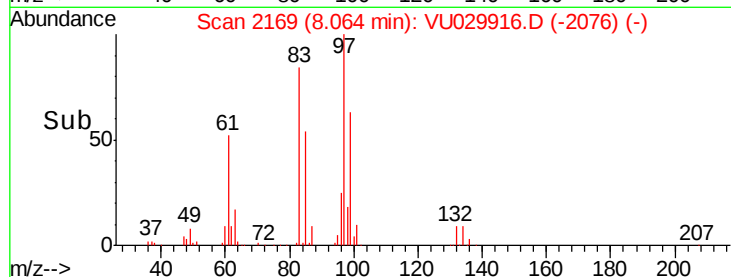
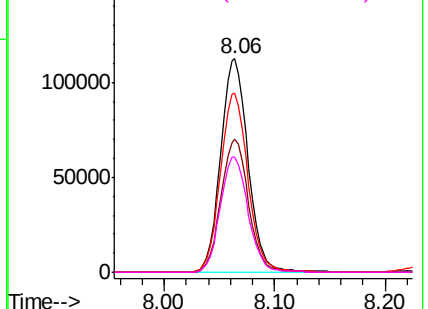


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 51.450 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

Tgt Ion: 164 Resp: 172591

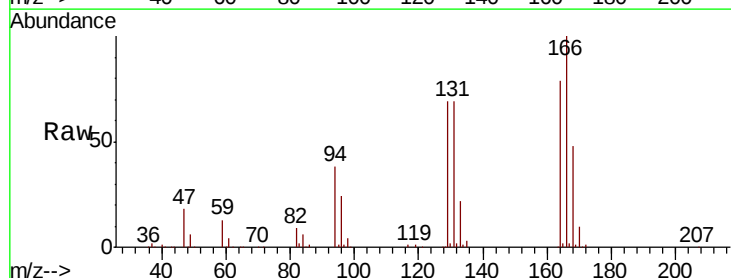
Ion Ratio Lower Upper

164 100

129 87.4 61.0 113.2

131 86.7 60.5 112.3

166 126.4 88.3 163.9

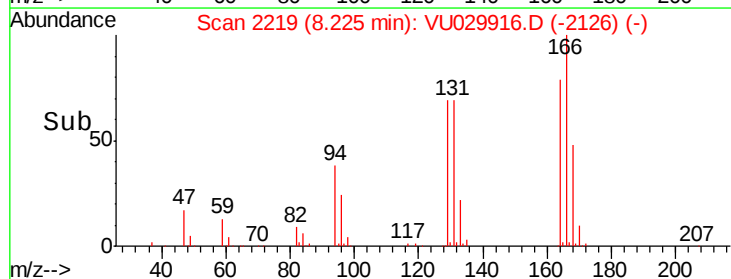
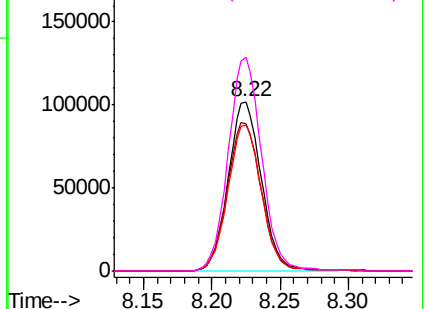


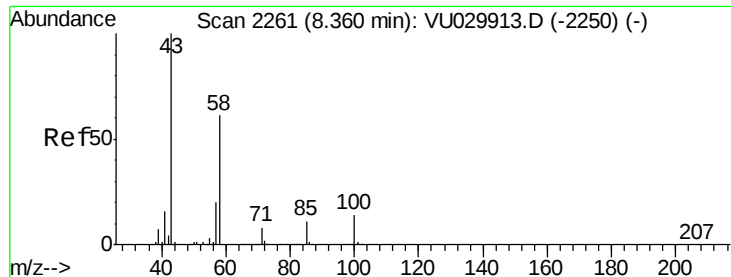
Abundance Ion 164.00 (163.70 to 164.70): V

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

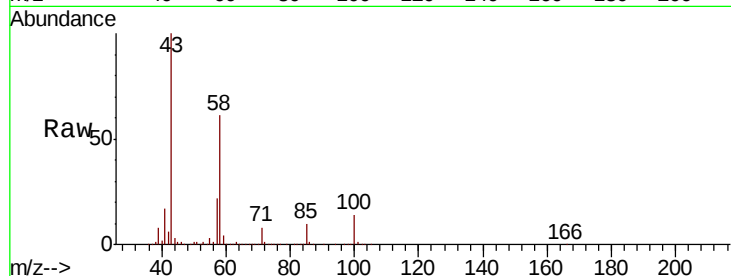




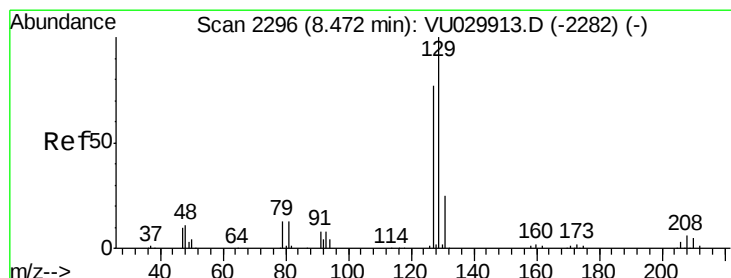
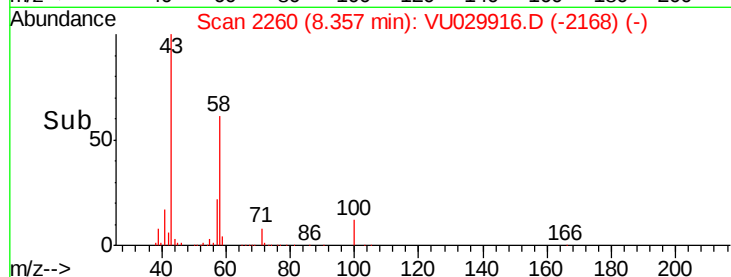
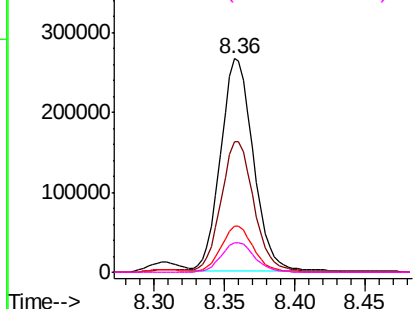
#48
2-Hexanone
Concen: 101.631 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.00 min
Lab File: VU029916.D
Acq: 09 Mar 2019 13:14

Instrument :
MSVOA_U
ClientSampleId :
VICV47

Tgt Ion:	43	Resp:	431480
Ion	Ratio	Lower	Upper
43	100		
58	61.8	49.2	73.8
57	21.5	16.6	25.0
100	14.2	11.4	17.0

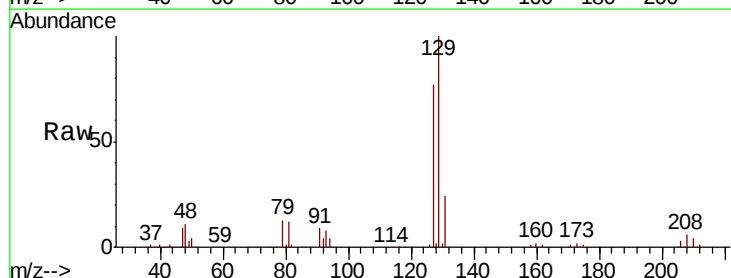


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

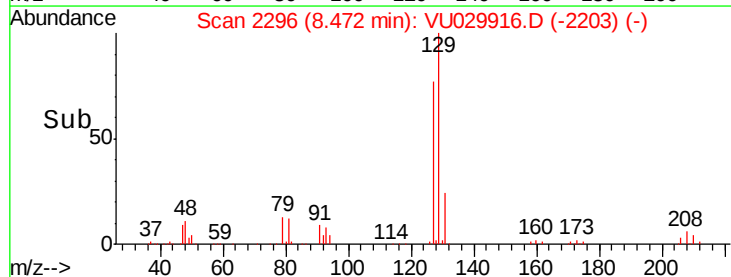
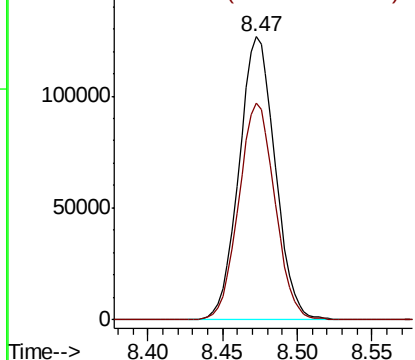


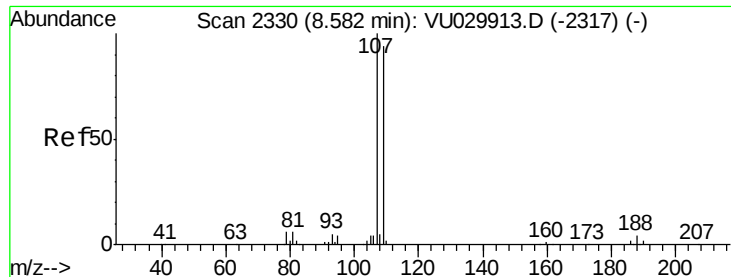
#49
Dibromochloromethane
Concen: 50.893 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU029916.D
Acq: 09 Mar 2019 13:14

Tgt Ion:	129	Resp:	212966
Ion	Ratio	Lower	Upper
129	100		
127	76.7	54.3	100.8



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





#50

1,2-Dibromoethane

Concen: 51.352 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

VICV47

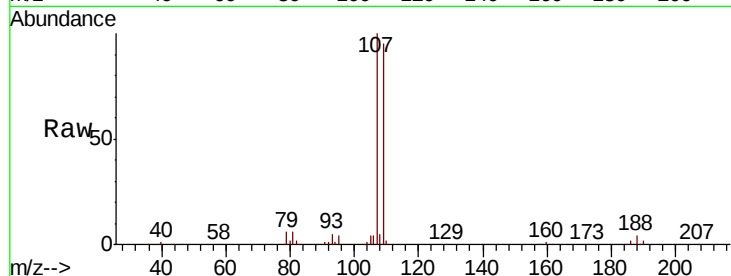
Tgt Ion:107 Resp: 211600

Ion Ratio Lower Upper

107 100

109 94.9 65.7 121.9

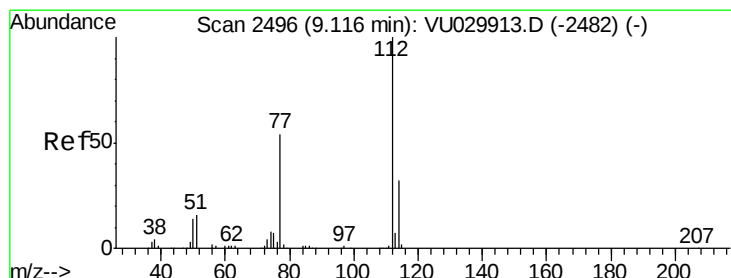
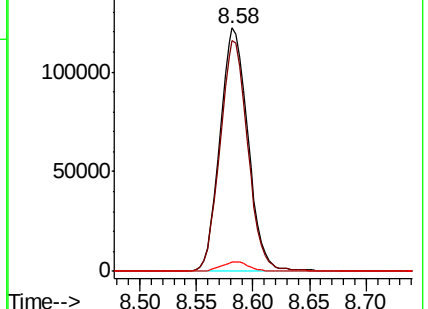
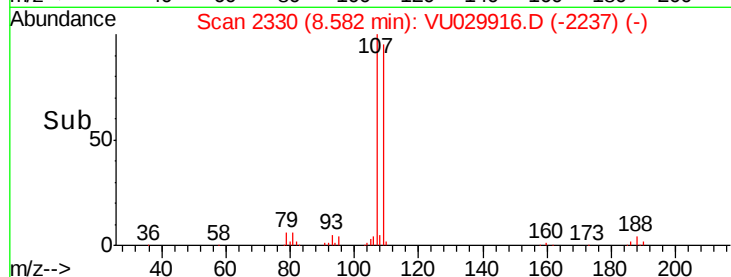
188 3.8 2.9 4.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 50.668 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

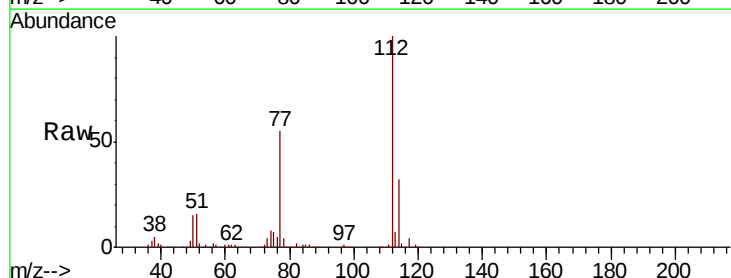
Tgt Ion:112 Resp: 541756

Ion Ratio Lower Upper

112 100

114 32.2 22.4 41.6

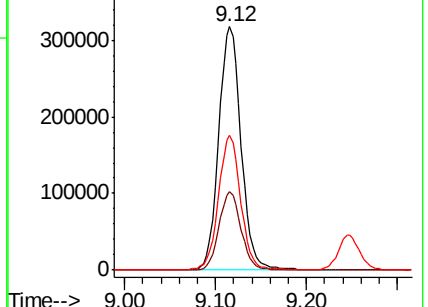
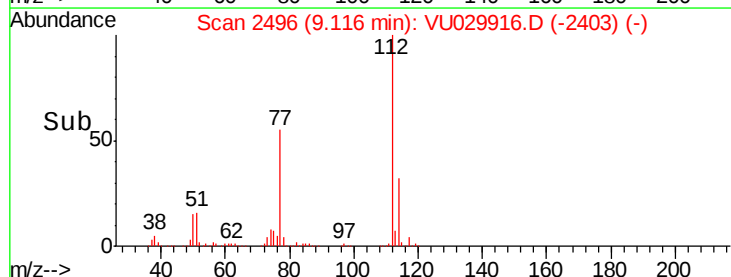
77 55.3 43.5 65.3

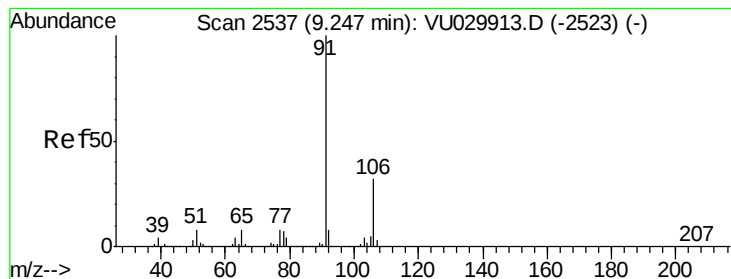


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 51.777 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

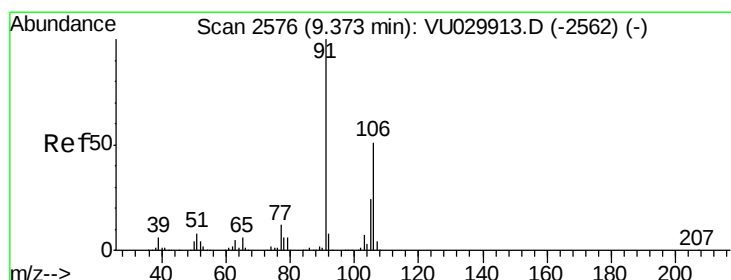
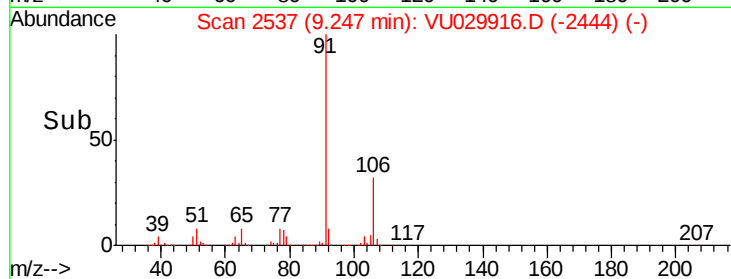
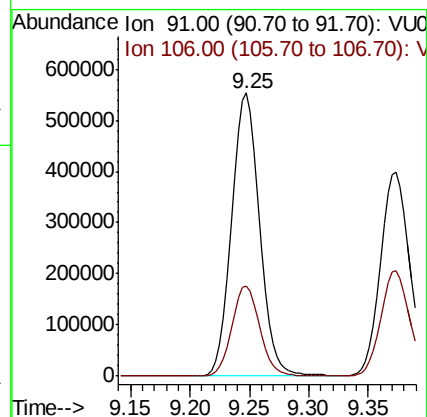
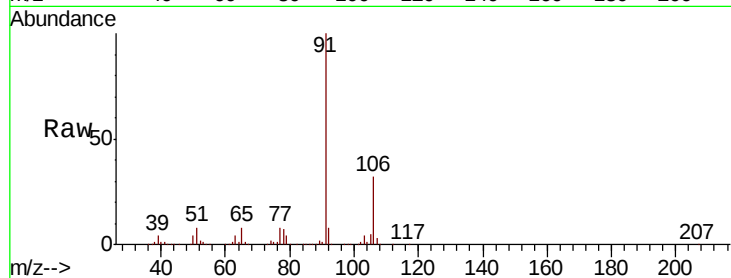
VICV47

Tgt Ion: 91 Resp: 904786

Ion Ratio Lower Upper

91 100

106 32.0 22.5 41.7



#53

m,p-Xylene

Concen: 52.226 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029916.D

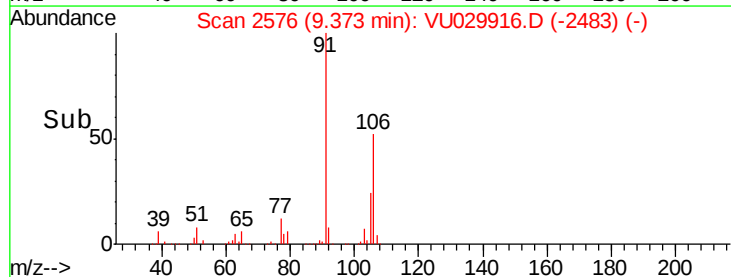
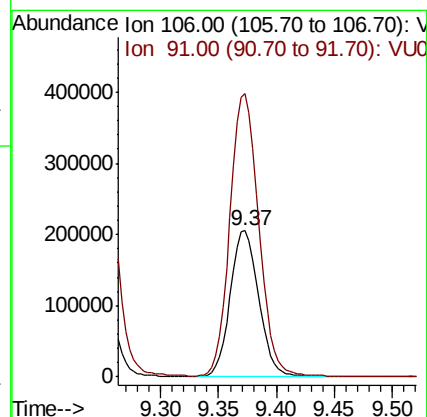
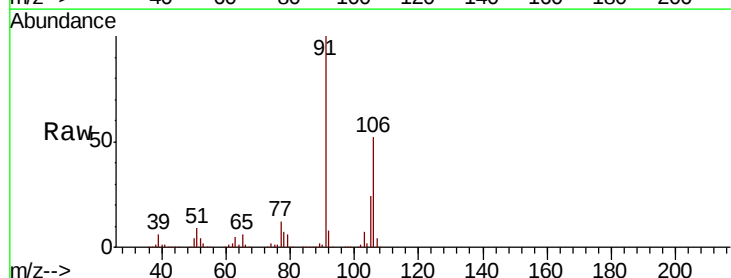
Acq: 09 Mar 2019 13:14

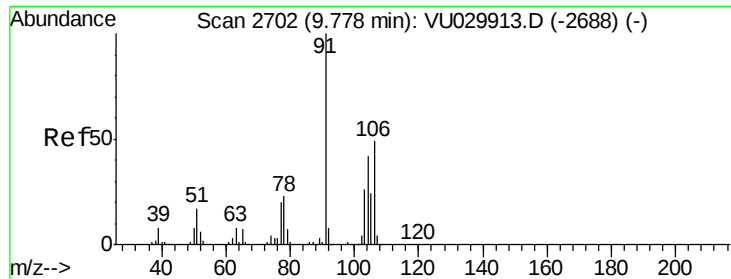
Tgt Ion: 106 Resp: 349378

Ion Ratio Lower Upper

106 100

91 193.4 137.8 256.0





#54

o-xylene

Concen: 52.164 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

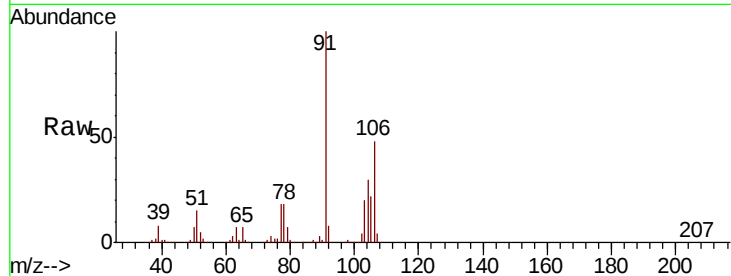
VICV47

Tgt Ion:106 Resp: 347431

Ion Ratio Lower Upper

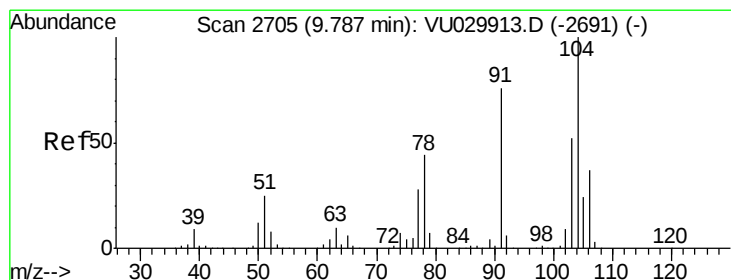
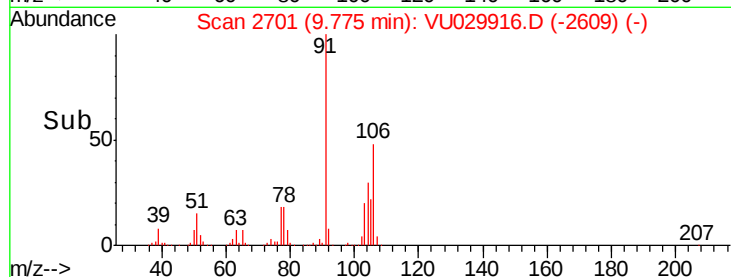
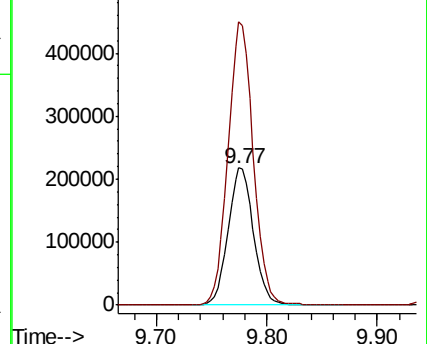
106 100

91 206.2 143.6 266.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 52.515 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU029916.D

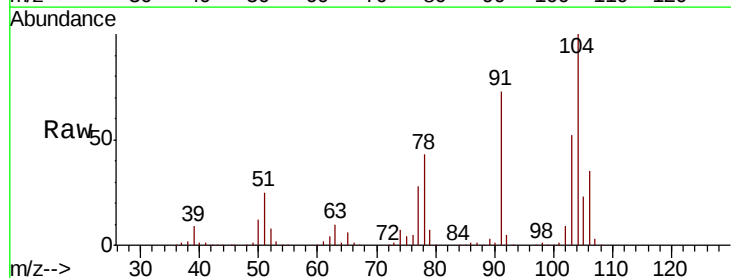
Acq: 09 Mar 2019 13:14

Tgt Ion:104 Resp: 567440

Ion Ratio Lower Upper

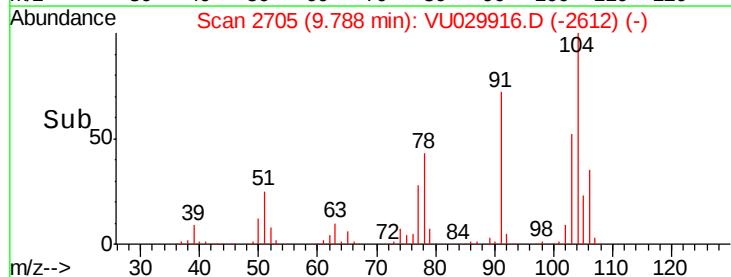
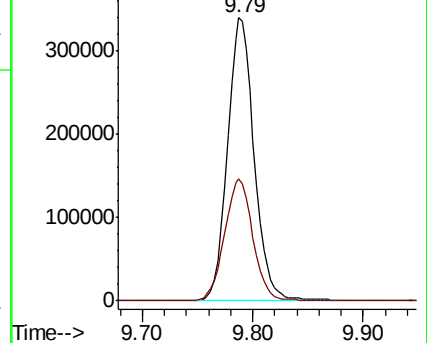
104 100

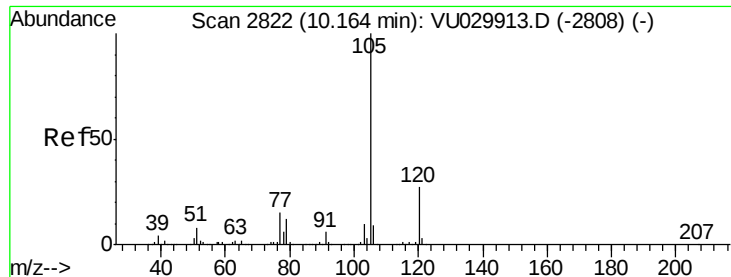
78 43.1 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 52.480 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

VICV47

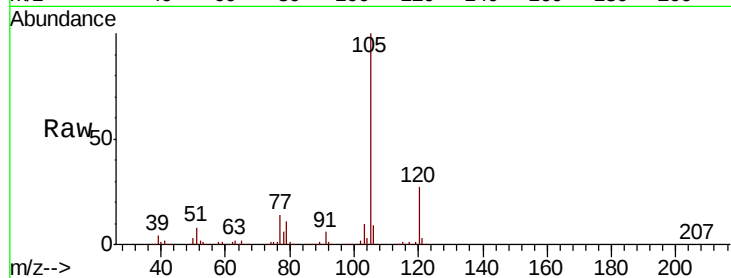
Tgt Ion: 105 Resp: 905198

Ion Ratio Lower Upper

105 100

120 27.0 21.6 32.4

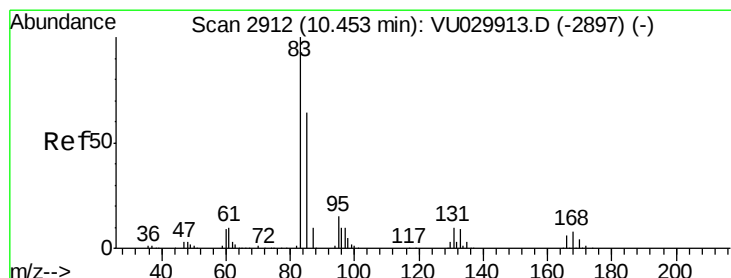
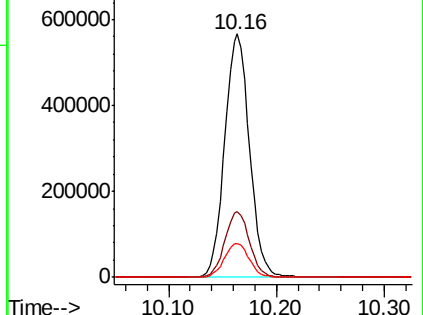
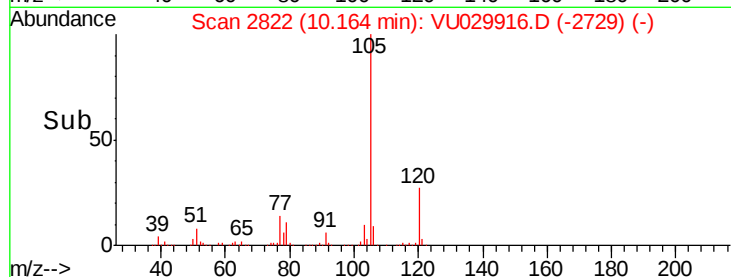
77 14.1 11.5 17.3



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: 50.113 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

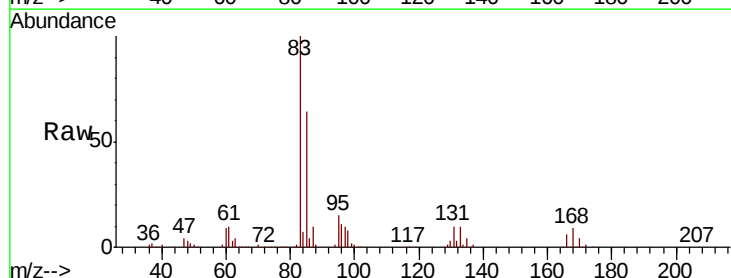
Tgt Ion: 83 Resp: 331770

Ion Ratio Lower Upper

83 100

85 64.3 45.0 83.6

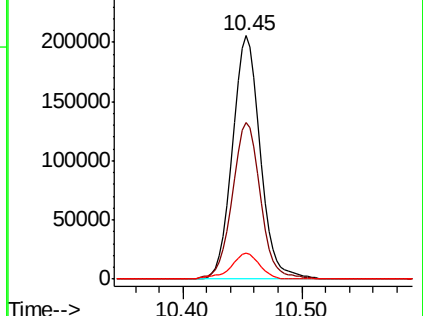
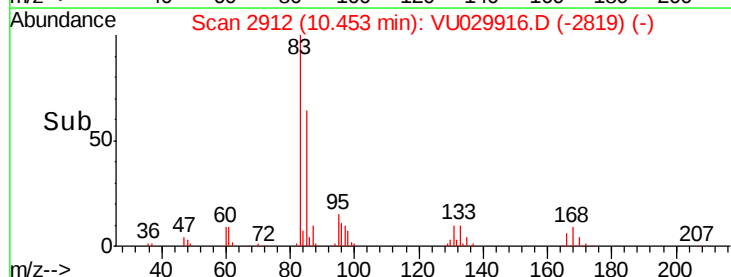
131 10.4 8.0 12.0

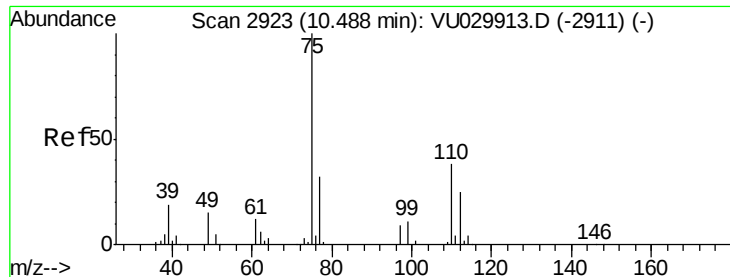


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.176 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

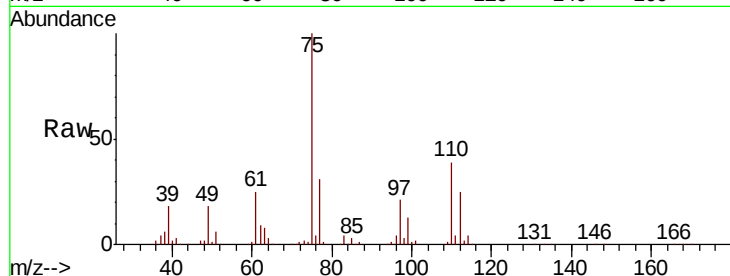
VICV47

Tgt Ion: 75 Resp: 250503

Ion Ratio Lower Upper

75 100

77 32.2 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VU029913.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU029913.D (-2911) (-)

10.49

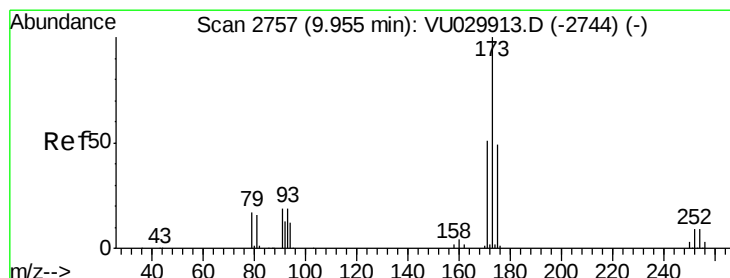
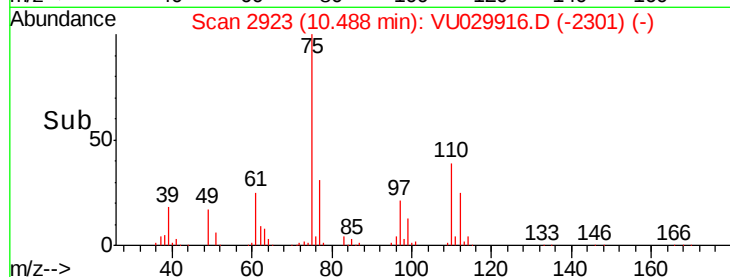
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 51.008 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

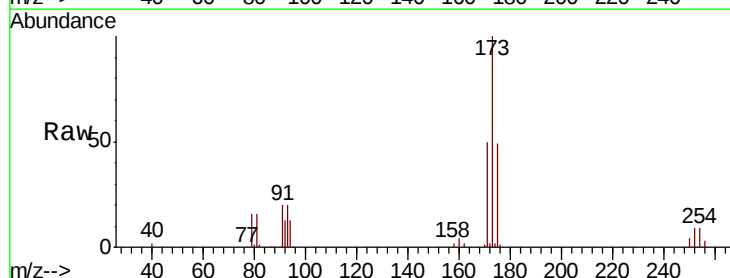
Tgt Ion: 173 Resp: 169383

Ion Ratio Lower Upper

173 100

175 48.5 38.7 58.1

254 9.2 7.4 11.2



Abundance Ion 173.00 (172.70 to 173.70): VU029913.D (-2744) (-)

Ion 175.00 (174.70 to 175.70): VU029913.D (-2744) (-)

Ion 254.00 (253.70 to 254.70): VU029913.D (-2744) (-)

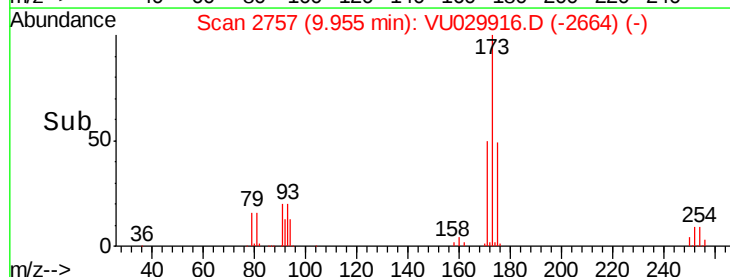
9.95

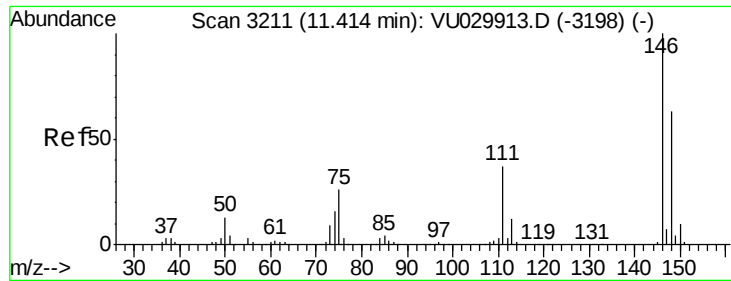
100000

50000

0

Time-->

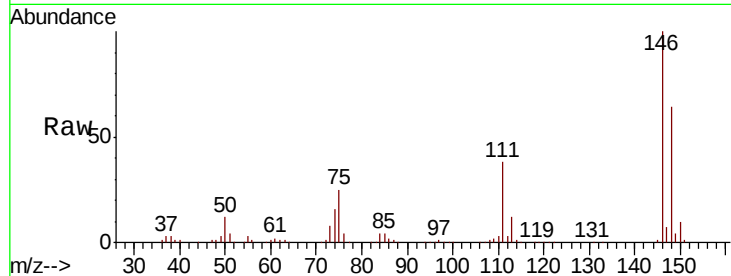




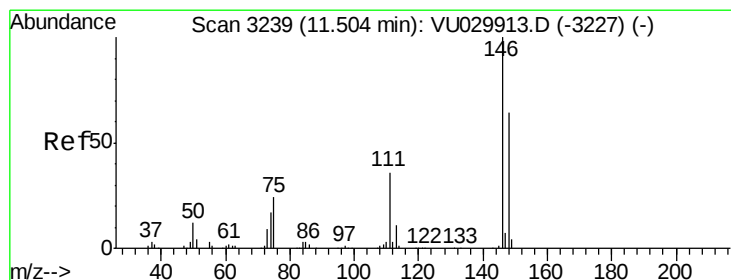
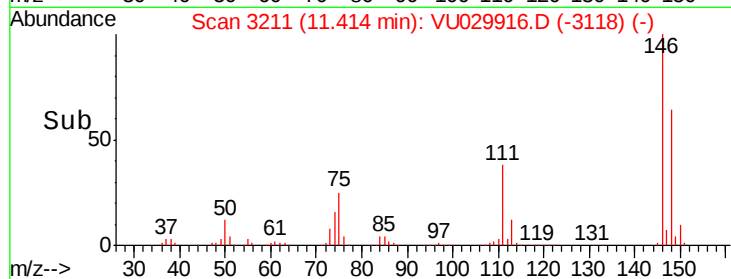
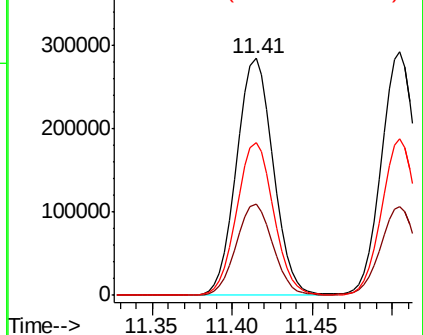
#62
 1,3-Dichlorobenzene
 Concen: 51.012 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU029916.D
 Acq: 09 Mar 2019 13:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

Tgt Ion:146 Resp: 444779
 Ion Ratio Lower Upper
 146 100
 111 38.4 25.7 47.7
 148 64.3 44.2 82.0

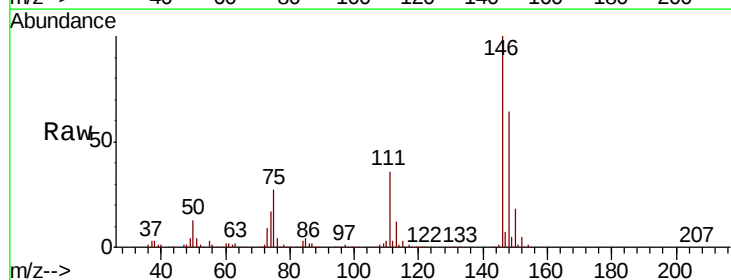


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

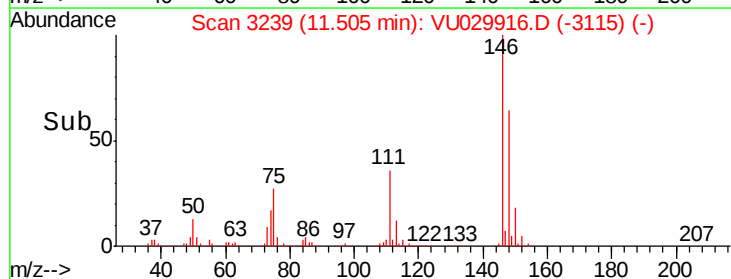
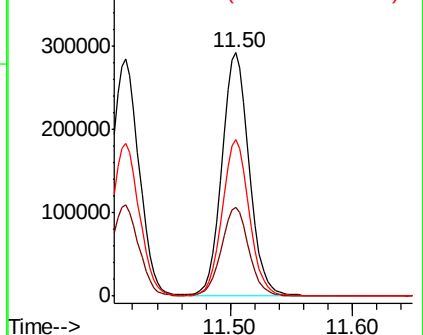


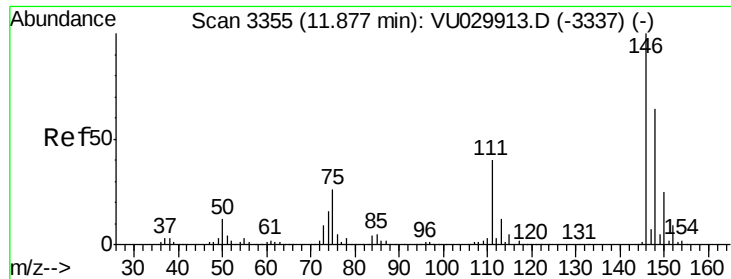
#63
 1,4-Dichlorobenzene
 Concen: 51.204 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU029916.D
 Acq: 09 Mar 2019 13:14

Tgt Ion:146 Resp: 457161
 Ion Ratio Lower Upper
 146 100
 111 36.3 25.3 46.9
 148 64.1 44.9 83.3



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

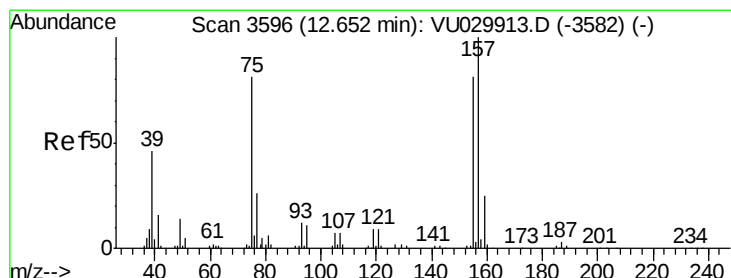
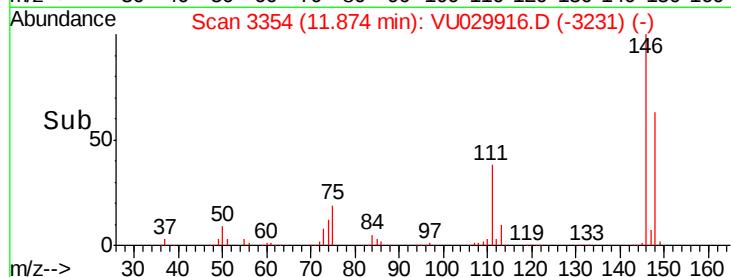
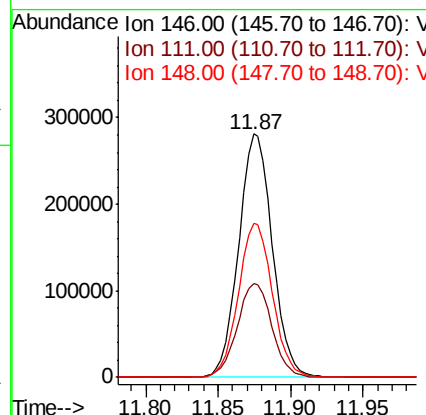
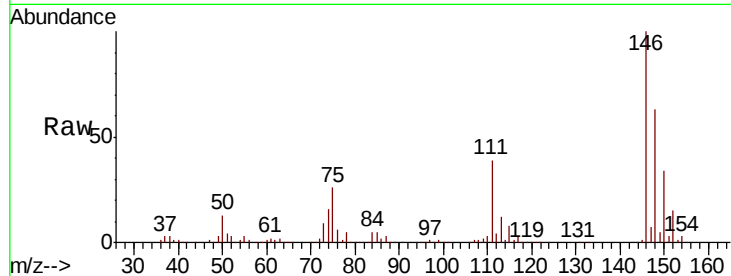




#65
 1,2-Dichlorobenzene
 Concen: 50.887 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU029916.D
 Acq: 09 Mar 2019 13:14

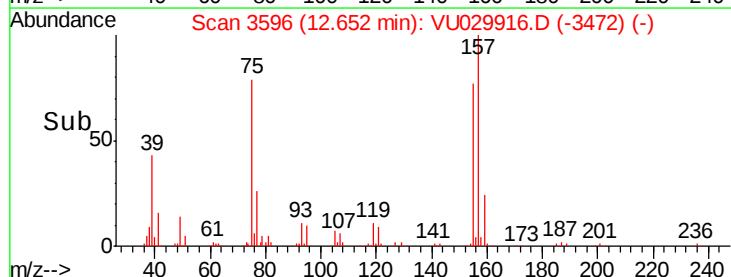
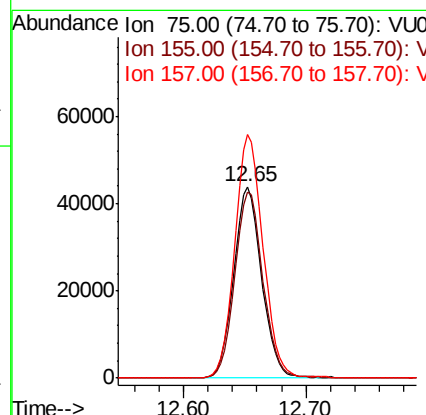
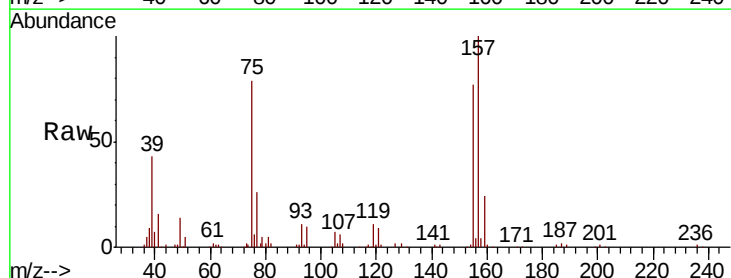
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

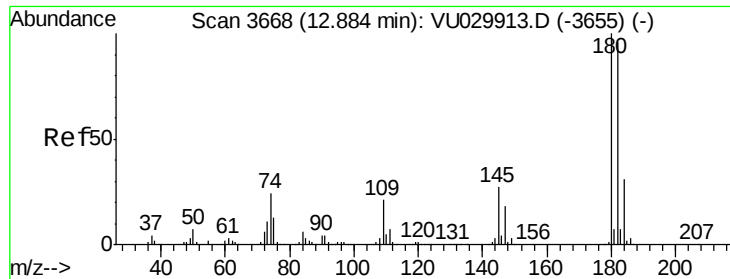
Tgt Ion:146 Resp: 452577
 Ion Ratio Lower Upper
 146 100
 111 38.7 31.8 47.6
 148 63.4 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.626 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU029916.D
 Acq: 09 Mar 2019 13:14

Tgt Ion: 75 Resp: 70566
 Ion Ratio Lower Upper
 75 100
 155 97.5 79.8 119.8
 157 127.3 98.8 148.2

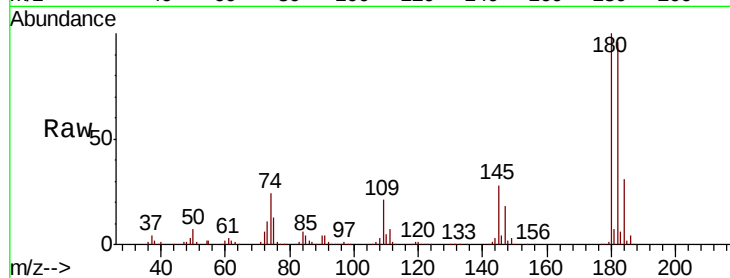




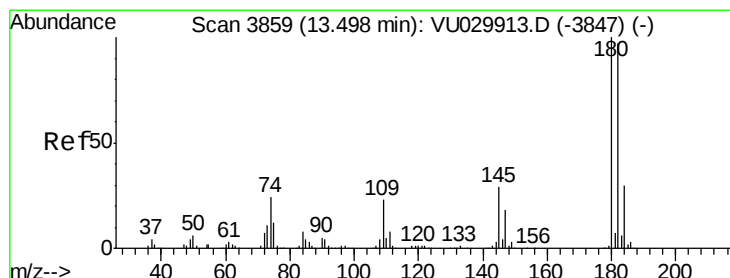
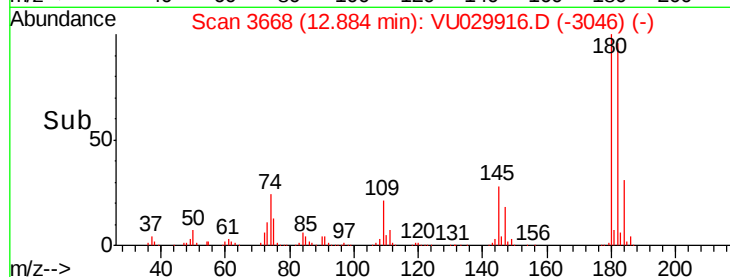
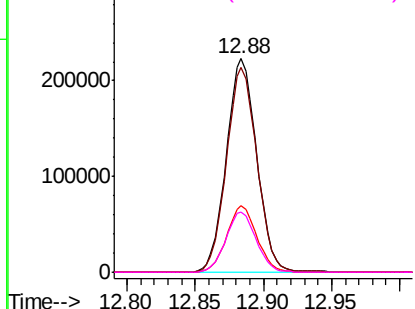
#67
 1,3,5-Trichlorobenzene
 Concen: 52.291 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU029916.D
 Acq: 09 Mar 2019 13:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

Tgt Ion:180 Resp: 346032
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.7 115.1
 184 30.7 24.2 36.4
 145 28.3 22.0 33.0

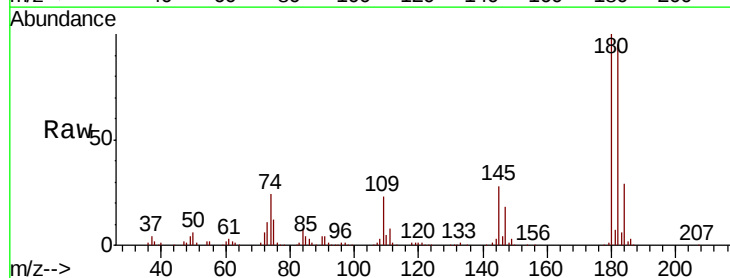


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

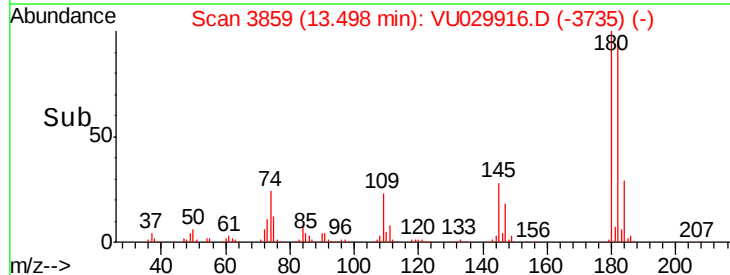
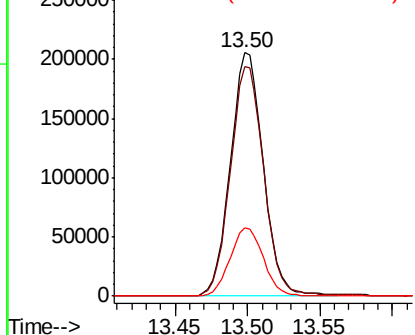


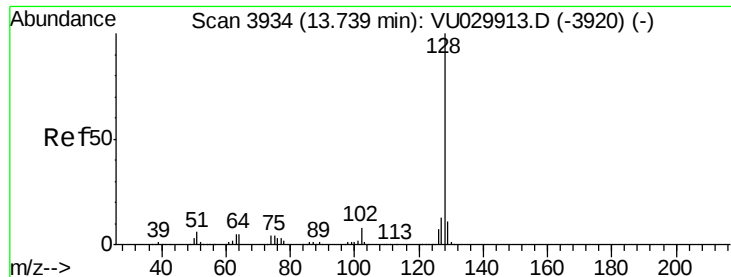
#68
 1,2,4-trichlorobenzene
 Concen: 54.815 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU029916.D
 Acq: 09 Mar 2019 13:14

Tgt Ion:180 Resp: 323604
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.0 114.0
 145 28.4 22.7 34.1



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





#69

Naphthalene

Concen: 59.660 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

Instrument :

MSVOA_U

ClientSampleId :

VICV47

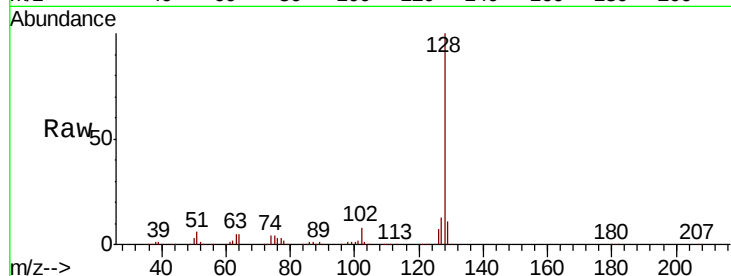
Tgt Ion:128 Resp: 1088460

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

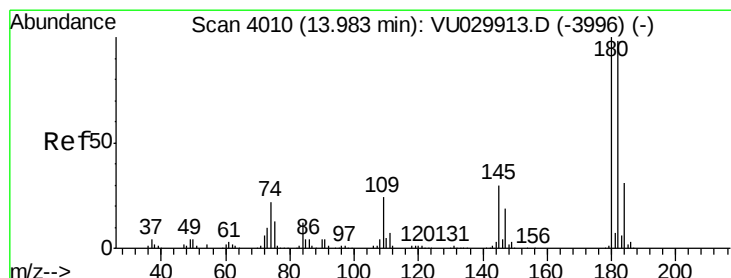
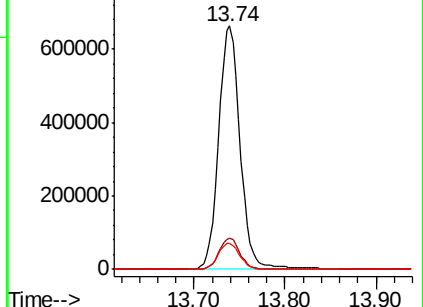
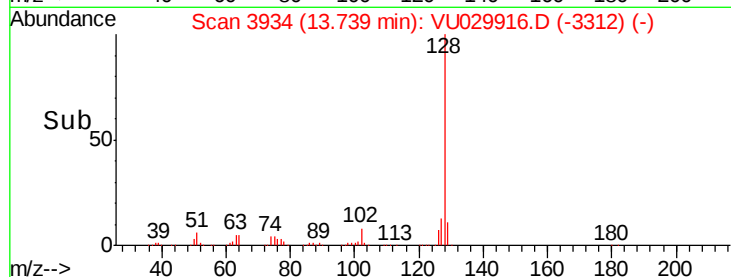
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 54.013 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU029916.D

Acq: 09 Mar 2019 13:14

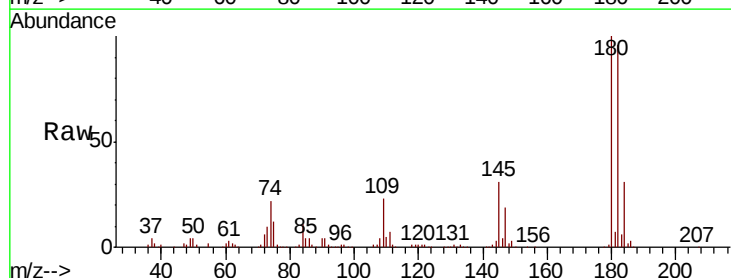
Tgt Ion:180 Resp: 334818

Ion Ratio Lower Upper

180 100

182 95.9 76.3 114.5

145 31.0 24.3 36.5



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

