

Data File : VU034916.D
Acq On : 03 Oct 2019 14:42
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV32

Quant Time: Oct 04 06:42:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 04 06:39:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	462873	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	441814	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	216111	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	165597	44.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.02%
7) Chloroethane-d5	1.67	69	127714	45.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.08%
11) 1,1-Dichloroethene-d2	2.26	63	298014	45.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.68%
21) 2-Butanone-d5	4.15	46	251527	91.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.78%
24) Chloroform-d	4.62	84	279026	46.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.28%
26) 1,2-Dichloroethane-d4	5.29	65	183723	44.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.46%
32) Benzene-d6	5.32	84	579329	46.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.26%
36) 1,2-Dichloropropane-d6	6.31	67	188021	45.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.70%
41) Toluene-d8	7.54	98	546149	46.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.74%
43) trans-1,3-Dichloropropene-	7.83	79	90050	49.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.06%
47) 2-Hexanone-d5	8.29	63	183599	94.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.41%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	268316	46.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.14%
64) 1,2-Dichlorobenzene-d4	11.84	152	206161	46.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.92%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	189545	47.953	ug/L	100
3) Chloromethane	1.32	50	205478	46.613	ug/L	99
5) Vinyl chloride	1.40	62	193168	46.357	ug/L	99
6) Bromomethane	1.62	94	112357	46.331	ug/L	97
8) Chloroethane	1.69	64	113655	46.531	ug/L	100
9) Trichlorofluoromethane	1.87	101	233915	47.638	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	135105	48.762	ug/L	99
12) 1,1-Dichloroethene	2.27	96	127496	47.933	ug/L	99
13) Acetone	2.31	43	252794	97.430	ug/L	99
14) Carbon disulfide	2.46	76	416509	47.433	ug/L	98
15) Methyl Acetate	2.60	43	177106	45.101	ug/L	99
16) Methylene chloride	2.68	84	156140	46.290	ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	141978	47.713	ug/L	95
18) Methyl tert-butyl Ether	2.98	73	473076	47.246	ug/L	100
19) 1,1-Dichloroethane	3.42	63	279843	46.488	ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	160069	47.785	ug/L	100
22) 2-Butanone	4.23	43	293469	96.135	ug/L	98

Data File : VU034916.D
Acq On : 03 Oct 2019 14:42
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV32

Quant Time: Oct 04 06:42:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 04 06:39:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	78686	47.034	ug/L	99
25) Chloroform	4.65	83	283535	46.306	ug/L	100
27) 1,2-Dichloroethane	5.38	62	228588	46.913	ug/L	99
29) Cyclohexane	4.97	56	264936	49.634	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	231317	48.291	ug/L	100
31) Carbon tetrachloride	5.11	117	203246	48.680	ug/L	99
33) Benzene	5.37	78	619784	48.028	ug/L	100
34) Trichloroethene	6.16	95	158447	48.726	ug/L	99
35) Methylcyclohexane	6.39	83	263639	49.943	ug/L	99
37) 1,2-Dichloropropane	6.41	63	173245	48.168	ug/L	100
38) Bromodichloromethane	6.73	83	205728	47.120	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	268830	49.333	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	519511	93.249	ug/L	100
42) Toluene	7.61	91	676774	48.793	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	236734	49.561	ug/L	100
45) 1,1,2-Trichloroethane	8.04	97	150360	47.544	ug/L	99
46) Tetrachloroethene	8.21	164	125901	48.806	ug/L	99
48) 2-Hexanone	8.34	43	420139	98.951	ug/L	99
49) Dibromochloromethane	8.45	129	166412	48.603	ug/L	98
50) 1,2-Dibromoethane	8.56	107	167534	49.285	ug/L	99
51) Chlorobenzene	9.10	112	423672	47.836	ug/L	99
52) Ethylbenzene	9.23	91	756651	49.138	ug/L	100
53) m,p-Xylene	9.35	106	279394	48.991	ug/L	99
54) o-xylene	9.76	106	277697	49.512	ug/L	97
55) Styrene	9.77	104	467814	49.732	ug/L	99
56) Isopropylbenzene	10.14	105	725130	49.114	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.43	83	275851	47.803	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	219688	47.247	ug/L	99
61) Bromoform	9.94	173	123026	46.929	ug/L	99
62) 1,3-Dichlorobenzene	11.39	146	319283	47.463	ug/L	99
63) 1,4-Dichlorobenzene	11.48	146	322376	47.945	ug/L	99
65) 1,2-Dichlorobenzene	11.85	146	319097	47.273	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	56060	47.616	ug/L	99
67) 1,3,5-Trichlorobenzene	12.86	180	222521	49.311	ug/L	99
68) 1,2,4-trichlorobenzene	13.48	180	192932	56.244	ug/L	99
69) Naphthalene	13.72	128	648780	62.347	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	179357	49.557	ug/L	99

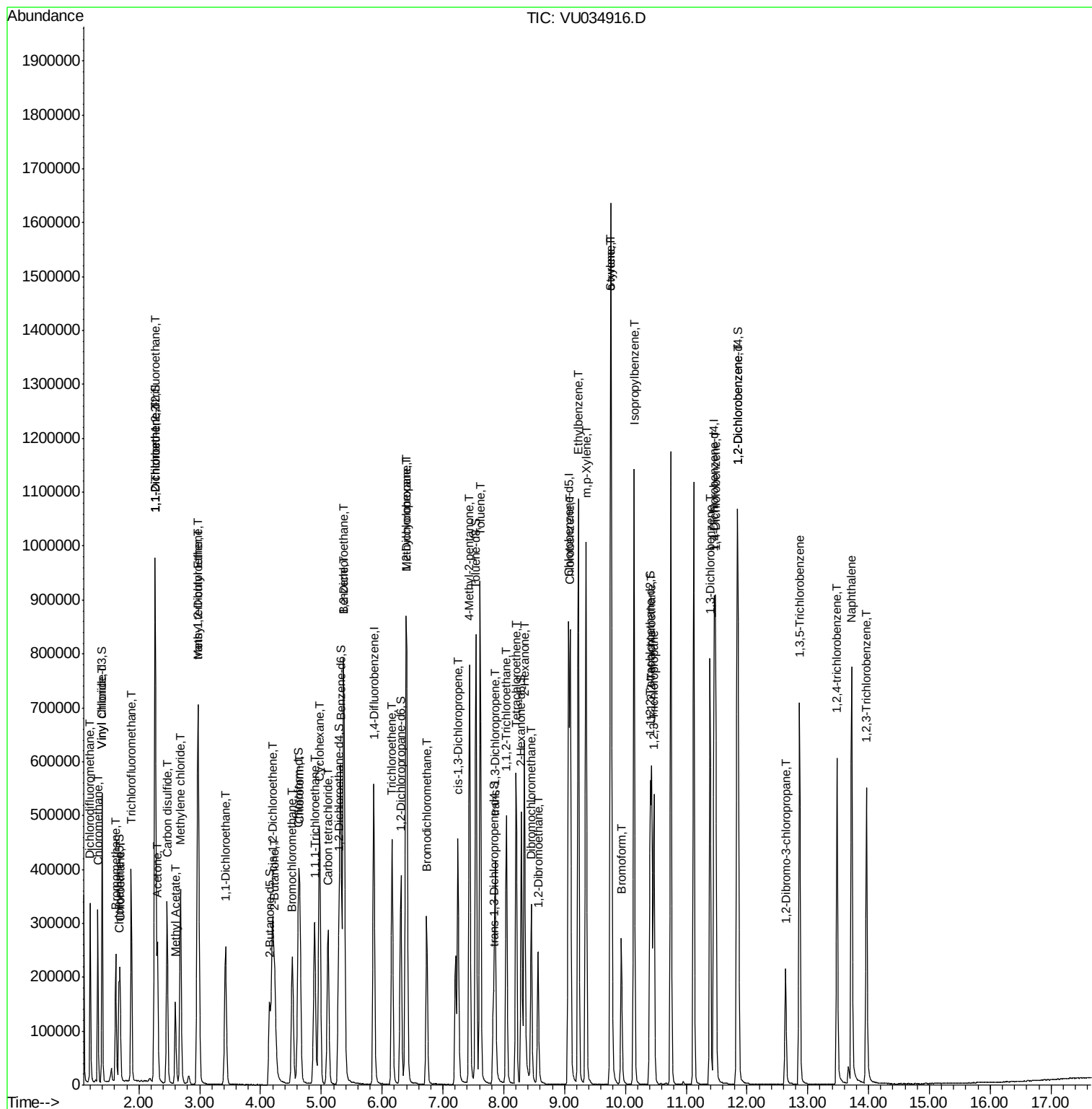
(#) = qualifier out of range (m) = manual integration (+) = signals summed

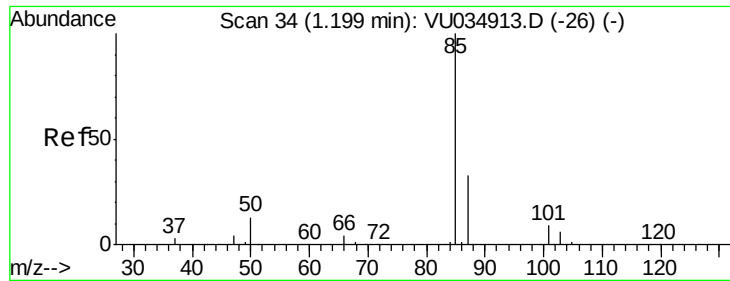
Data File : VU034916.D

```
Acq On       : 03 Oct 2019   14:42
Operator    : JC/SP
Sample      : VSTDICV050
Misc       : 5.0mL/MSVOA_U/WATER
ALS Vial    : 8      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VICV32

Quant Time: Oct 04 06:42:55 2019
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 04 06:39:51 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 47.953 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

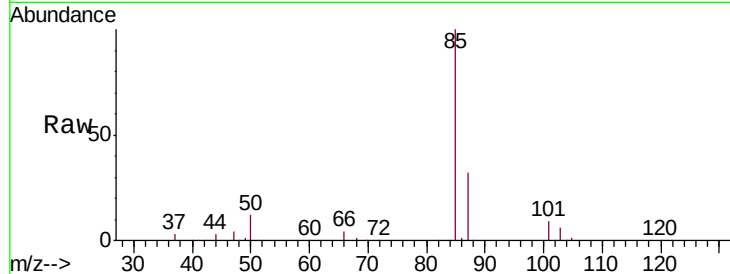
VICV32

Tgt Ion: 85 Resp: 189545

Ion Ratio Lower Upper

85 100

87 32.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU034913.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU034913.D (-26) (-)

1.20

200000

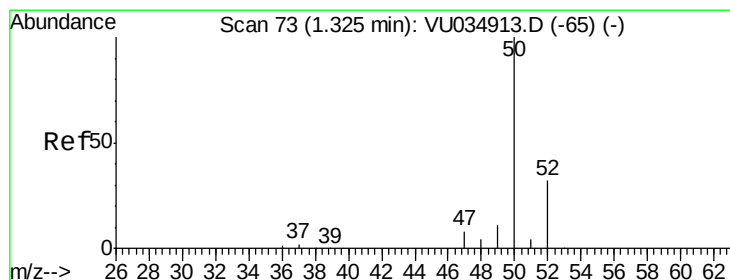
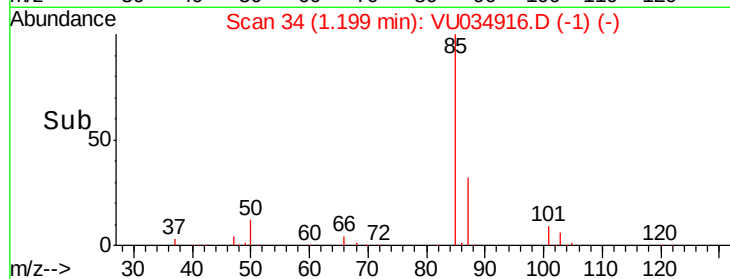
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 46.613 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU034916.D

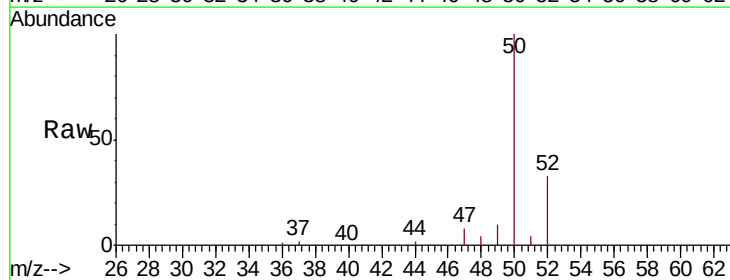
Acq: 03 Oct 2019 14:42

Tgt Ion: 50 Resp: 205478

Ion Ratio Lower Upper

50 100

52 32.9 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VU034913.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU034913.D (-65) (-)

1.32

200000

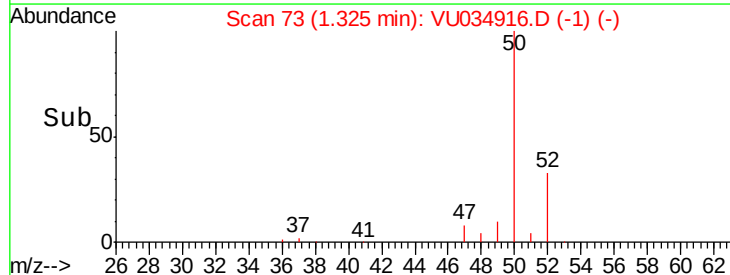
150000

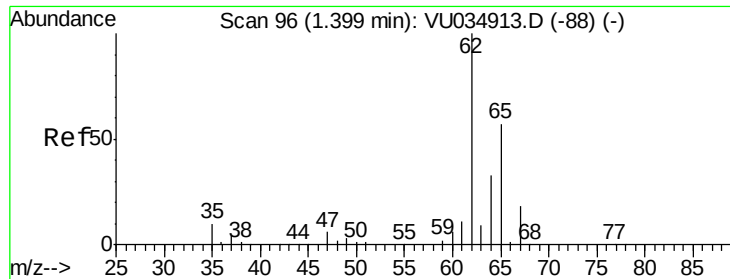
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 46.357 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

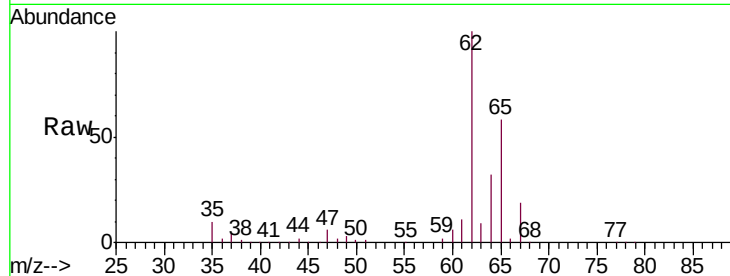
VICV32

Tgt Ion: 62 Resp: 193168

Ion Ratio Lower Upper

62 100

64 32.4 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

200000

150000

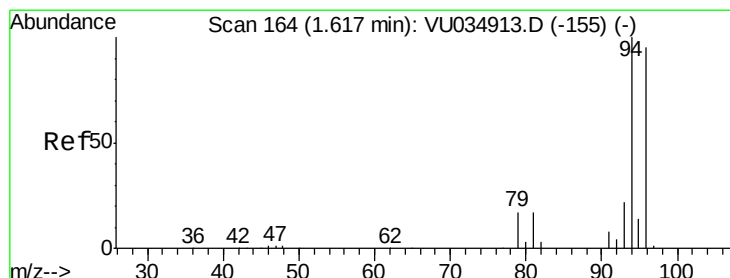
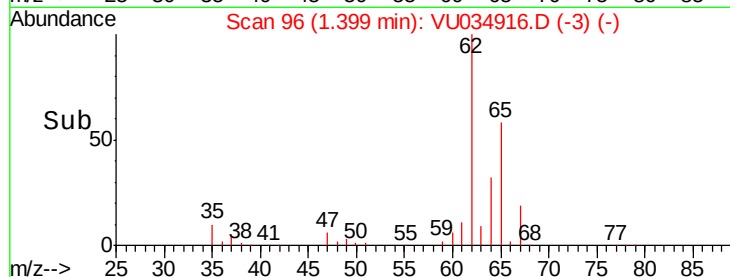
100000

50000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 46.331 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU034916.D

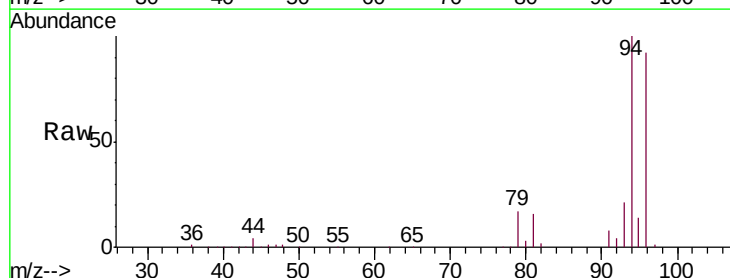
Acq: 03 Oct 2019 14:42

Tgt Ion: 94 Resp: 112357

Ion Ratio Lower Upper

94 100

96 91.8 66.4 123.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

100000

80000

60000

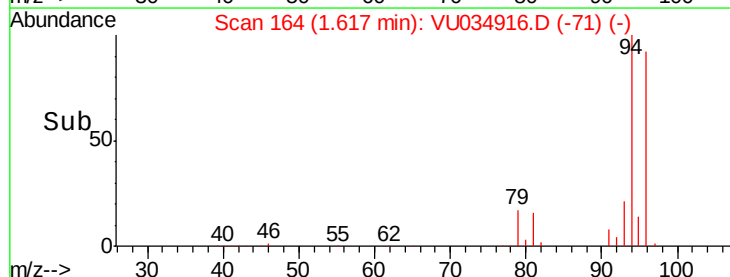
40000

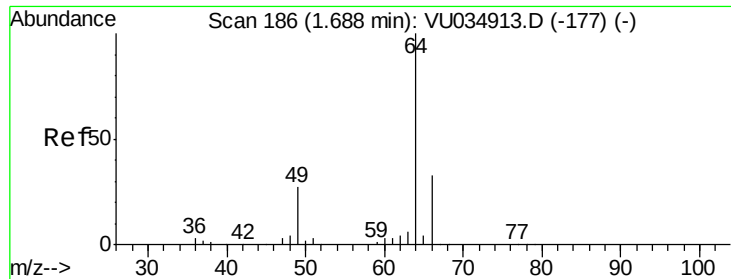
20000

0

Time-->

1.55 1.60 1.65 1.70





#8

Chloroethane

Concen: 46.531 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

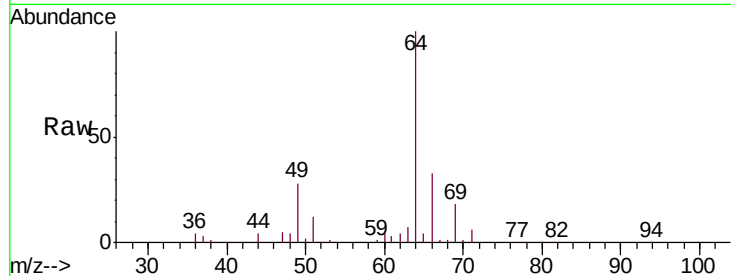
VICV32

Tgt Ion: 64 Resp: 113655

Ion Ratio Lower Upper

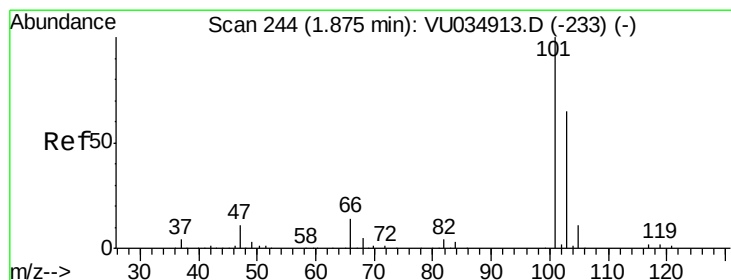
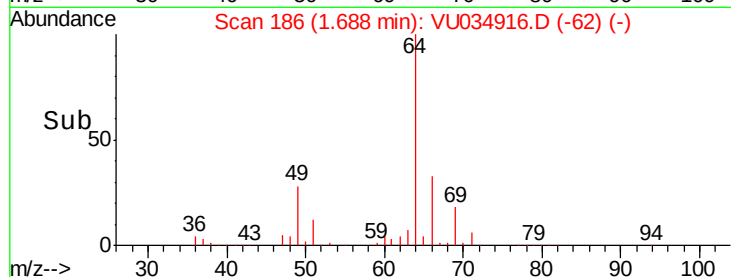
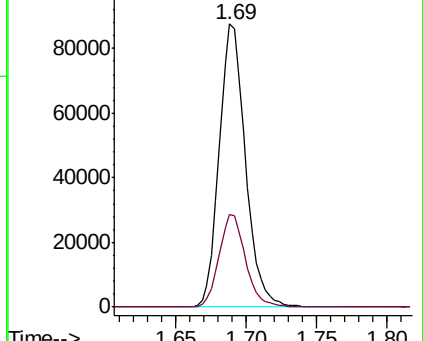
64 100

66 32.6 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VU034916.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU034916.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 47.638 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU034916.D

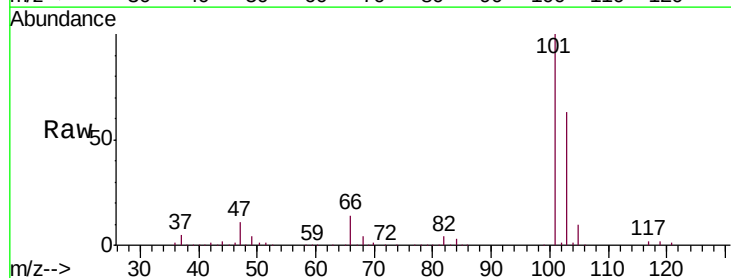
Acq: 03 Oct 2019 14:42

Tgt Ion: 101 Resp: 233915

Ion Ratio Lower Upper

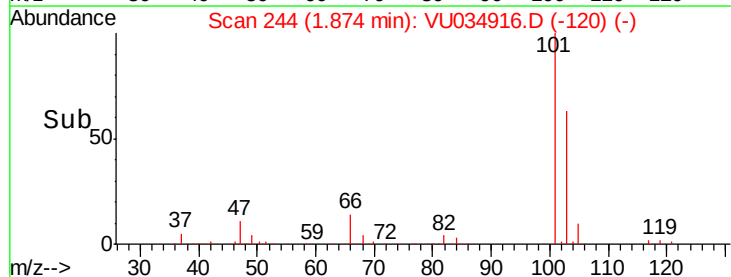
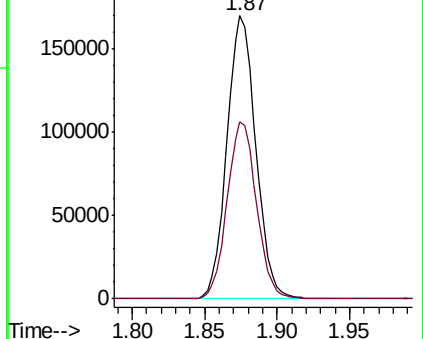
101 100

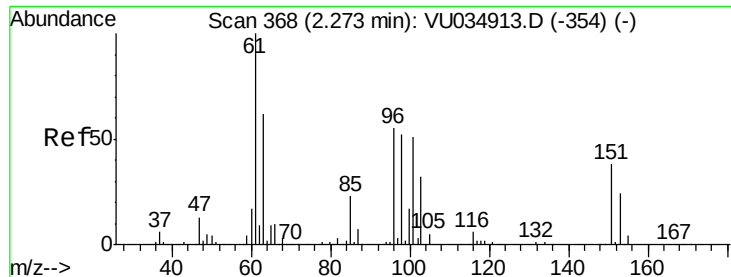
103 63.5 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU034916.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU034916.D (-233) (-)





#10

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

Concen: 48.762 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

Instrument :

MSVOA_U

ClientSampled :

VICV32

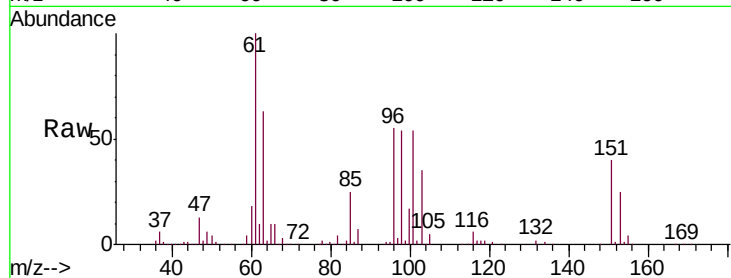
Tgt Ion: 101 Resp: 135105

Ion Ratio Lower Upper

101 100

85 45.3 35.9 53.9

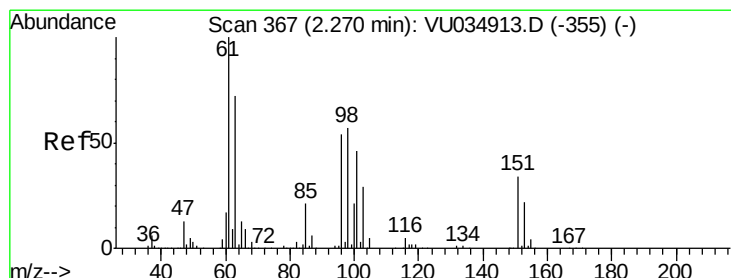
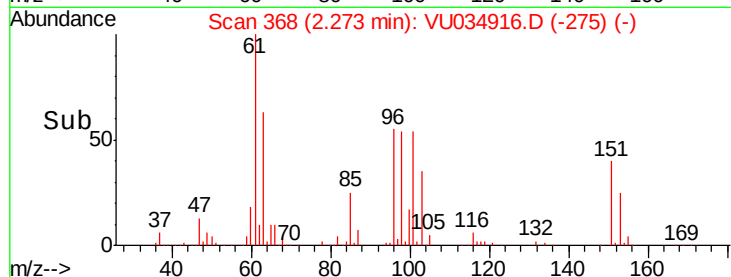
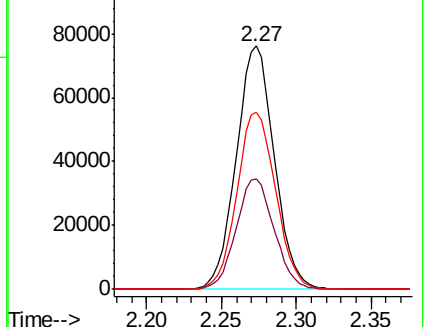
151 74.2 59.0 88.4



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: 47.933 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

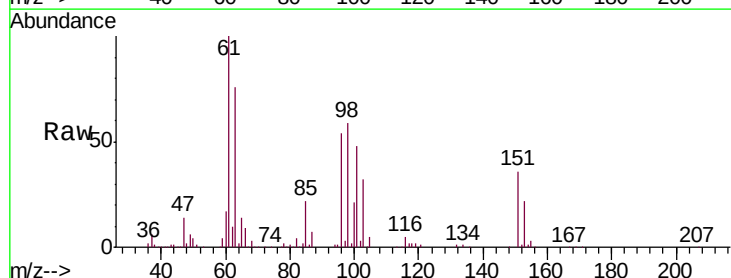
Tgt Ion: 96 Resp: 127496

Ion Ratio Lower Upper

96 100

61 184.0 131.2 243.6

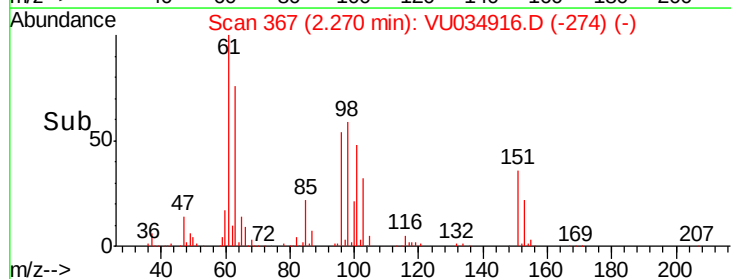
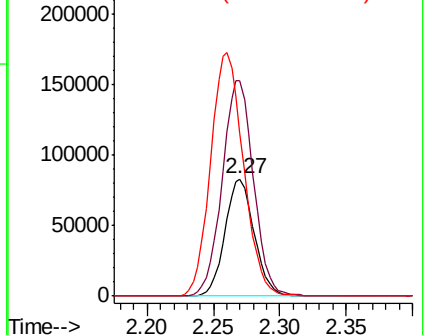
63 139.1 97.6 181.2

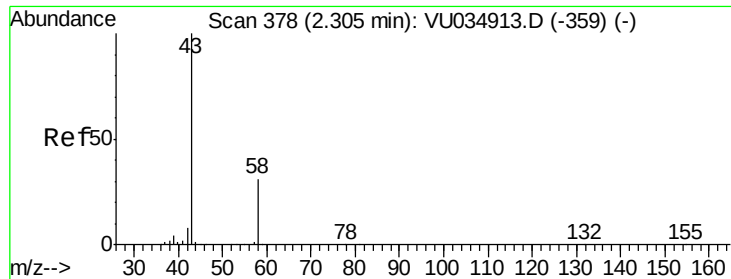


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 97.430 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

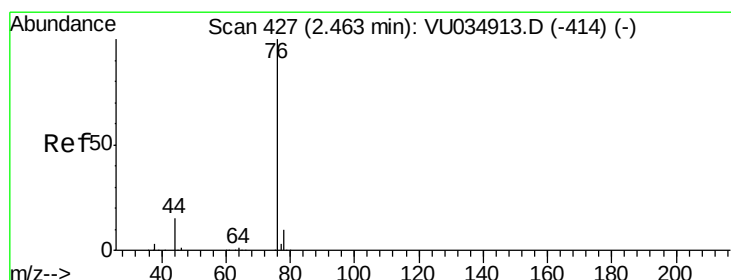
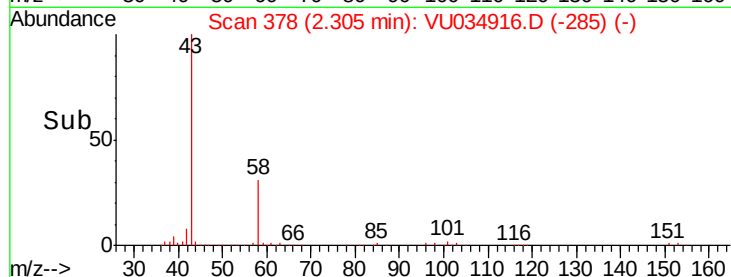
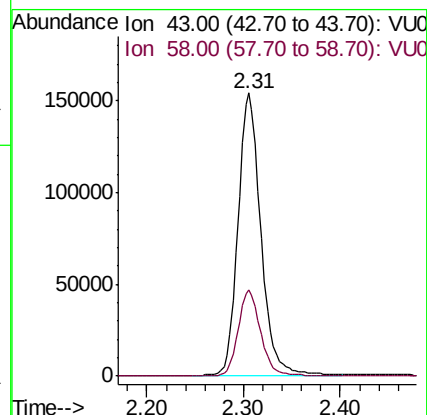
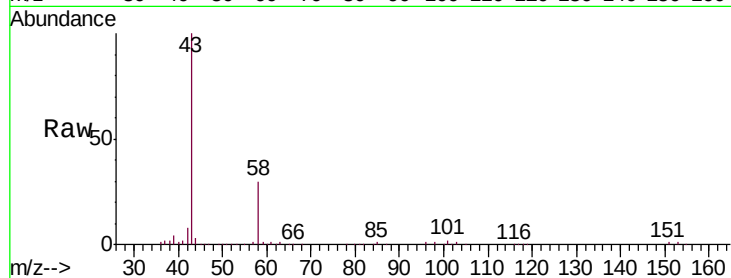
VICV32

Tgt Ion: 43 Resp: 252794

Ion Ratio Lower Upper

43 100

58 30.1 0.0 61.4



#14

Carbon disulfide

Concen: 47.433 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034916.D

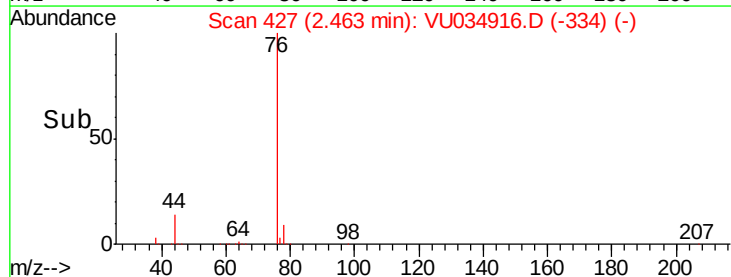
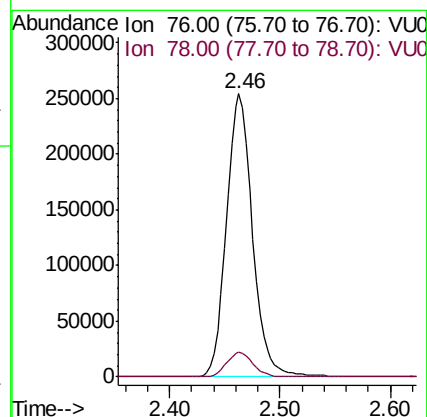
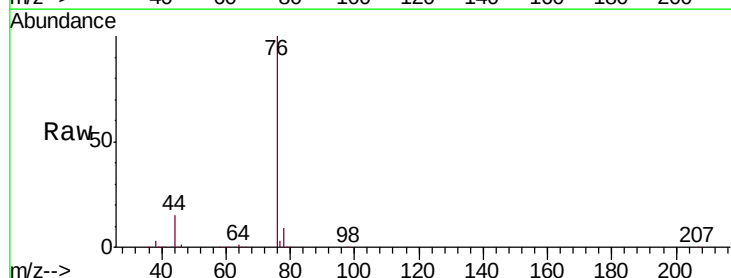
Acq: 03 Oct 2019 14:42

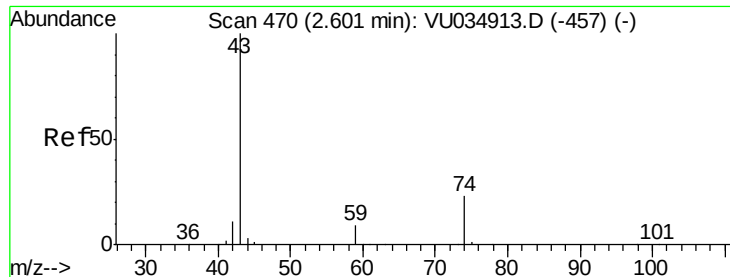
Tgt Ion: 76 Resp: 416509

Ion Ratio Lower Upper

76 100

78 8.7 7.7 11.5

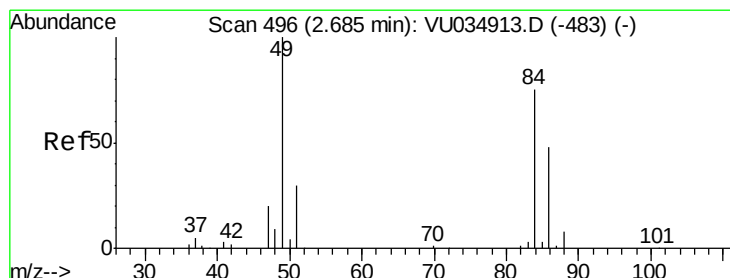
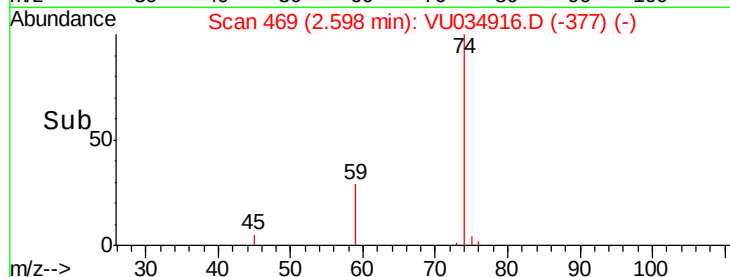
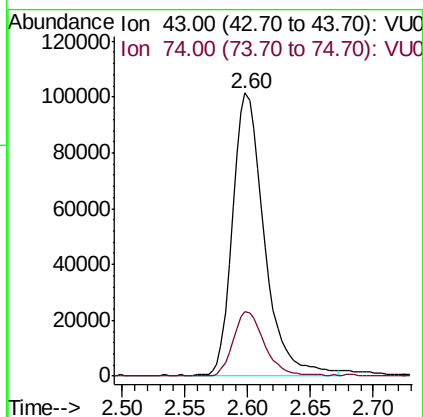
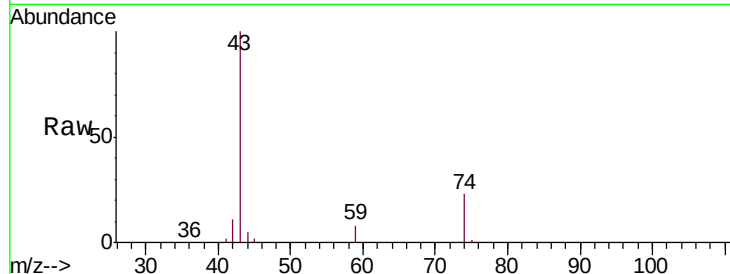




#15
Methyl Acetate
Concen: 45.101 ug/L
RT: 2.60 min Scan# 469
Delta R.T. -0.00 min
Lab File: VU034916.D
Acq: 03 Oct 2019 14:42

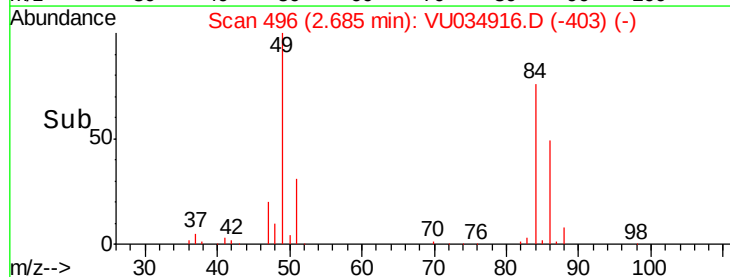
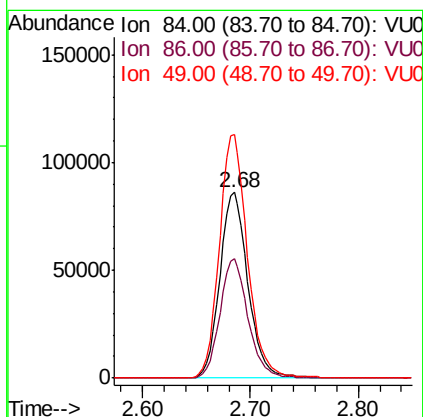
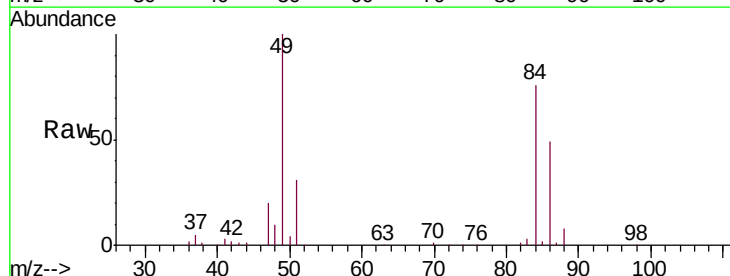
Instrument :
MSVOA_U
ClientSampled :
VICV32

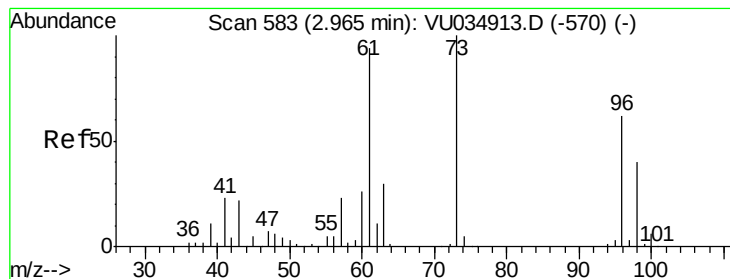
Tgt Ion: 43 Resp: 177106
Ion Ratio Lower Upper
43 100
74 22.7 17.8 26.6



#16
Methylene chloride
Concen: 46.290 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034916.D
Acq: 03 Oct 2019 14:42

Tgt Ion: 84 Resp: 156140
Ion Ratio Lower Upper
84 100
86 64.4 44.9 83.5
49 131.2 93.2 173.2





#17

trans-1,2-Dichloroethene

Concen: 47.713 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

VICV32

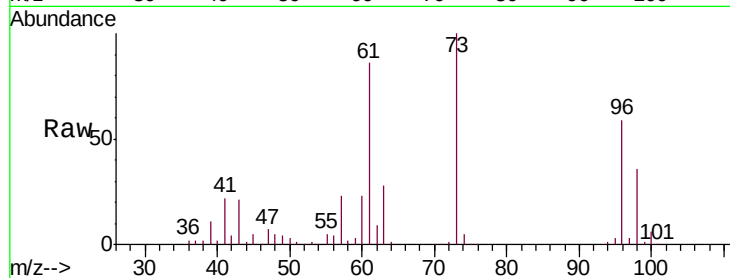
Tgt Ion: 96 Resp: 141978

Ion Ratio Lower Upper

96 100

61 145.4 107.0 198.6

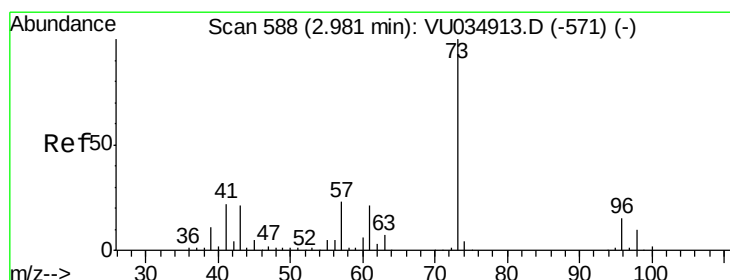
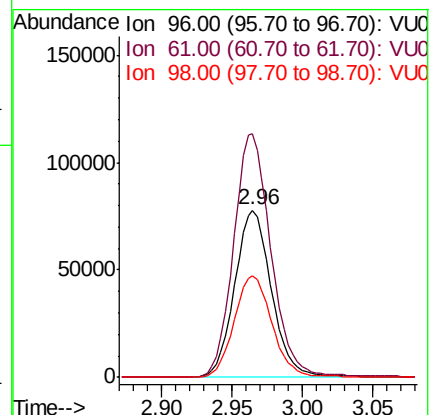
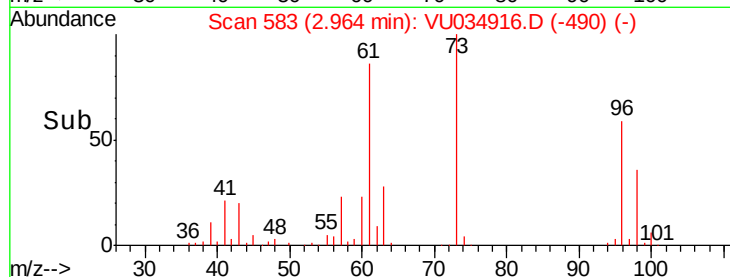
98 60.6 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VU034916.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU034916.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU034916.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 47.246 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

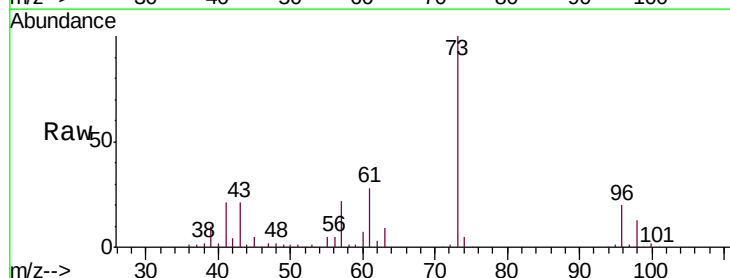
Tgt Ion: 73 Resp: 473076

Ion Ratio Lower Upper

73 100

43 21.1 16.8 25.2

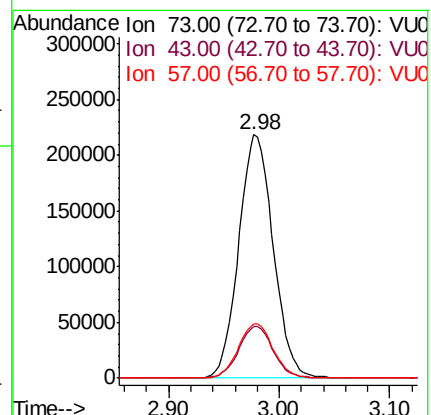
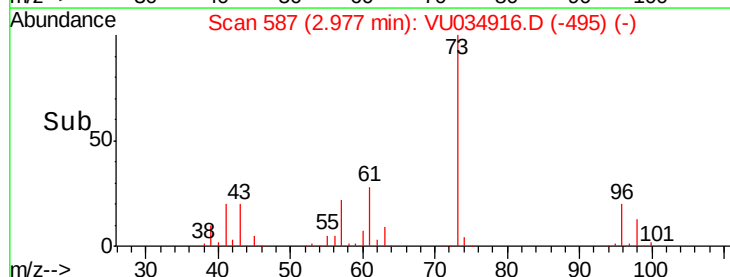
57 22.6 18.2 27.2

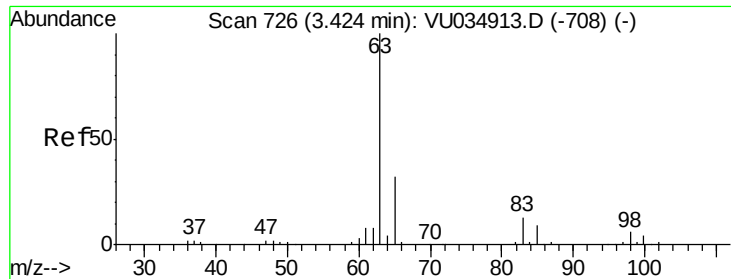


Abundance Ion 73.00 (72.70 to 73.70): VU034916.D (-495) (-)

Ion 43.00 (42.70 to 43.70): VU034916.D (-495) (-)

Ion 57.00 (56.70 to 57.70): VU034916.D (-495) (-)





#19

1,1-Dichloroethane

Concen: 46.488 ug/L

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

VICV32

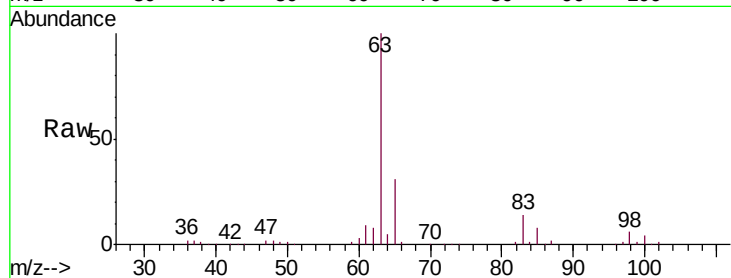
Tgt Ion: 63 Resp: 279843

Ion Ratio Lower Upper

63 100

65 30.9 22.4 41.6

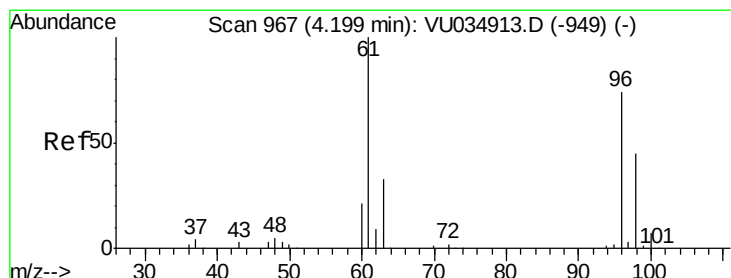
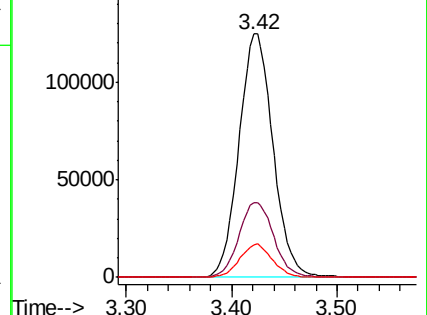
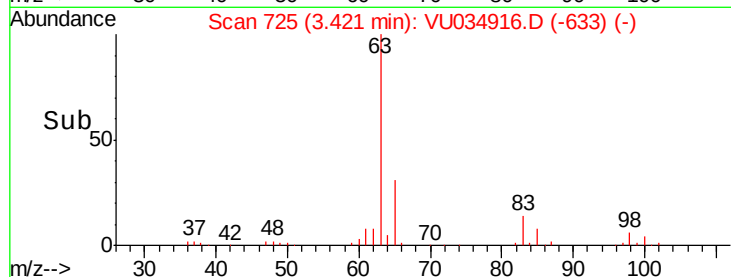
83 13.5 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU034916.D (-633) (-)

Ion 65.00 (64.70 to 65.70): VU034916.D (-633) (-)

Ion 83.00 (82.70 to 83.70): VU034916.D (-633) (-)



#20

cis-1,2-Dichloroethene

Concen: 47.785 ug/L

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

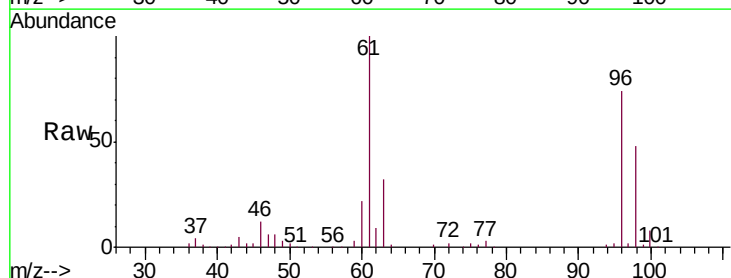
Tgt Ion: 96 Resp: 160069

Ion Ratio Lower Upper

96 100

61 135.5 95.2 176.8

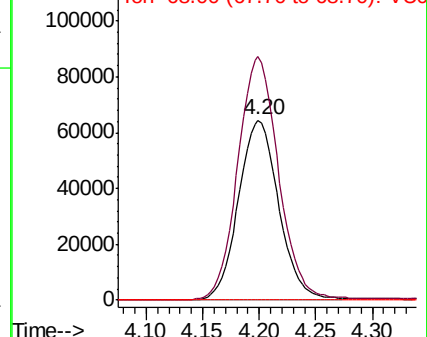
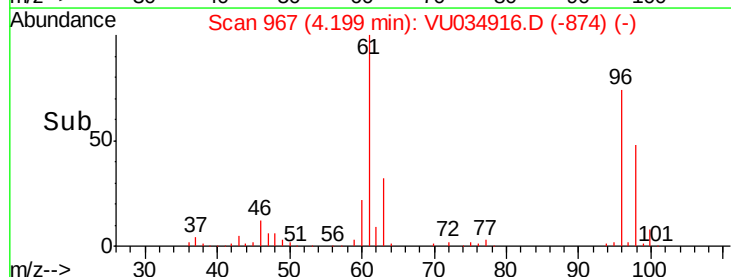
68 0.0 0.0 0.0

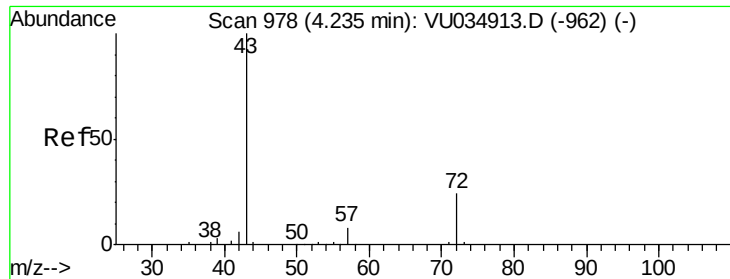


Abundance Ion 96.00 (95.70 to 96.70): VU034916.D (-874) (-)

Ion 61.00 (60.70 to 61.70): VU034916.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VU034916.D (-874) (-)





#22

2-Butanone

Concen: 96.135 ug/L

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

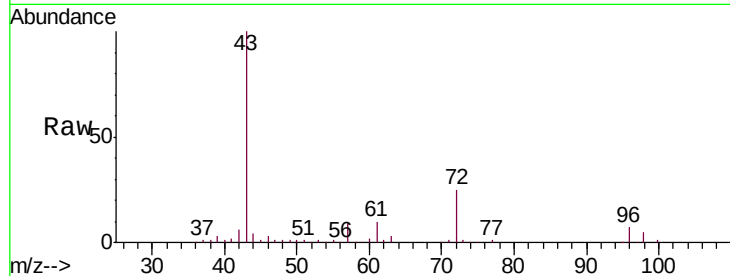
VICV32

Tgt Ion: 43 Resp: 293469

Ion Ratio Lower Upper

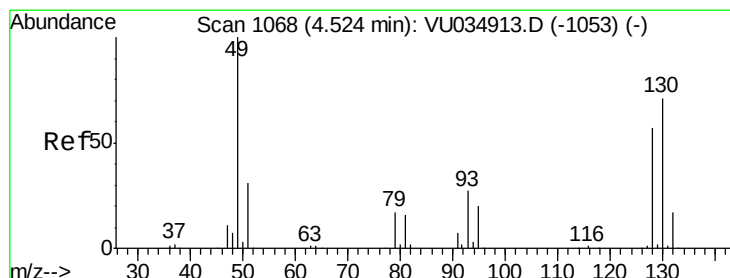
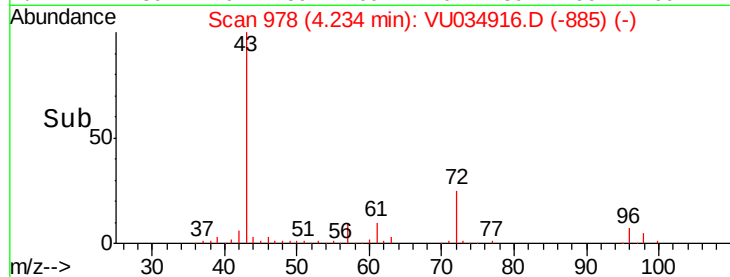
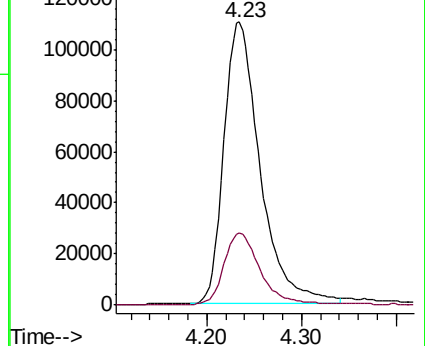
43 100

72 25.8 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VU034916.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VU034916.D (-885) (-)



#23

Bromochloromethane

Concen: 47.034 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

Tgt Ion: 128 Resp: 78686

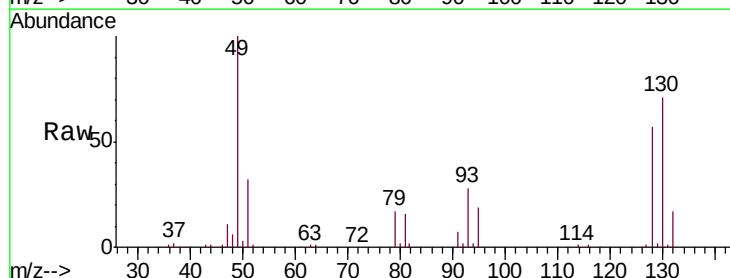
Ion Ratio Lower Upper

128 100

49 174.3 123.5 229.3

130 124.3 87.0 161.6

51 55.6 43.7 65.5

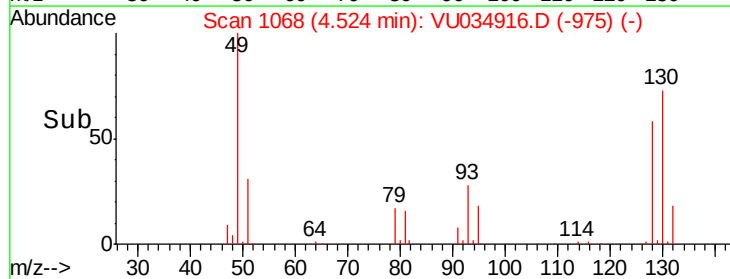
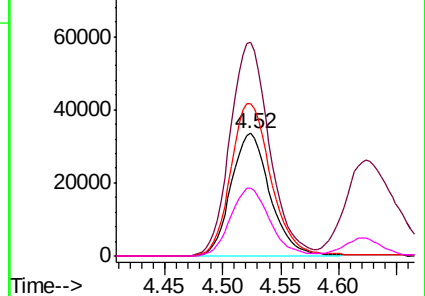


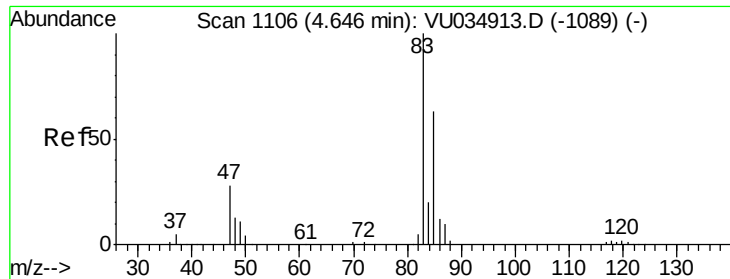
Abundance Ion 128.00 (127.70 to 128.70): VU034916.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VU034916.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VU034916.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VU034916.D (-975) (-)

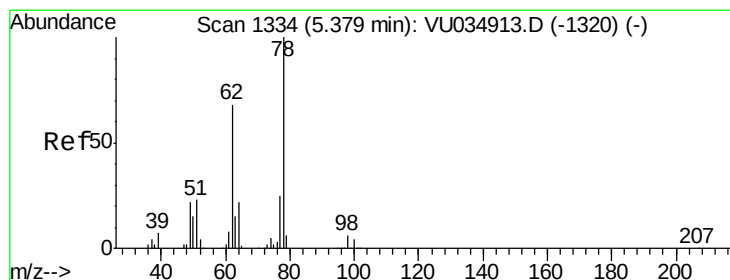
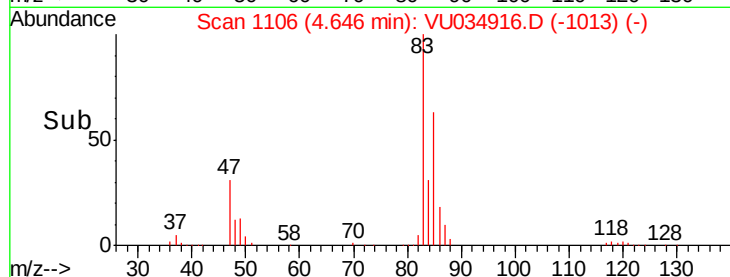
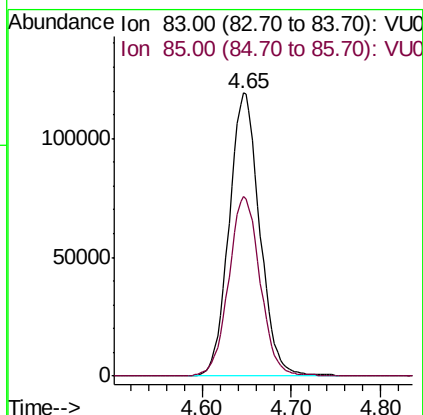
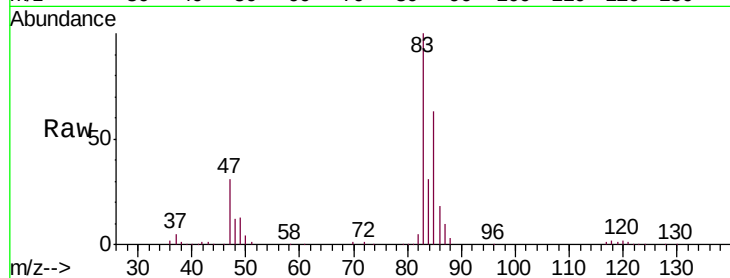




#25
Chloroform
Concen: 46.306 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU034916.D
Acq: 03 Oct 2019 14:42

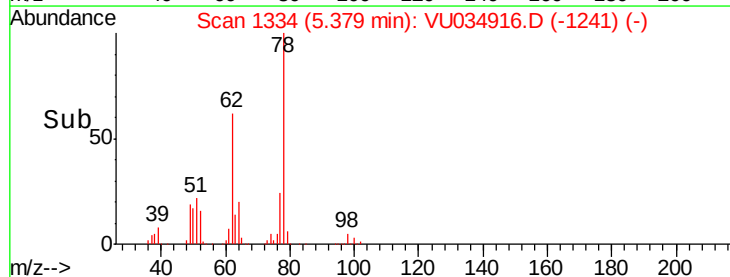
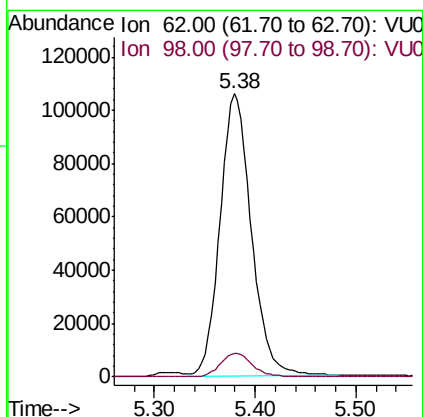
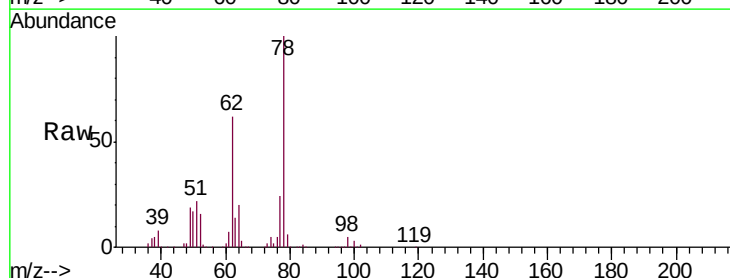
Instrument :
MSVOA_U
ClientSampled :
VICV32

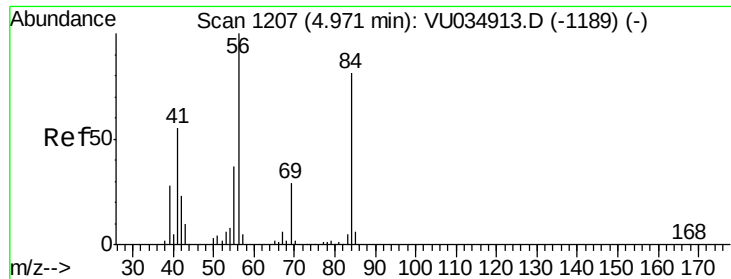
Tgt Ion: 83 Resp: 283535
Ion Ratio Lower Upper
83 100
85 63.4 44.2 82.2



#27
1,2-Dichloroethane
Concen: 46.913 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU034916.D
Acq: 03 Oct 2019 14:42

Tgt Ion: 62 Resp: 228588
Ion Ratio Lower Upper
62 100
98 8.3 6.9 10.3

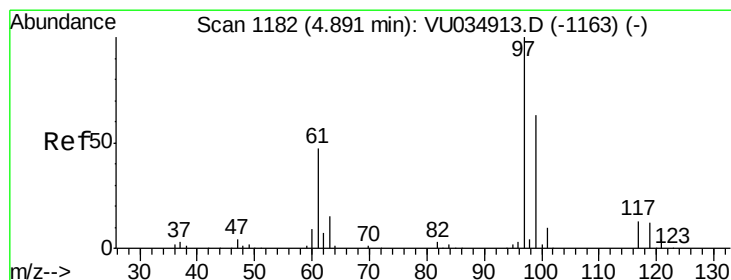
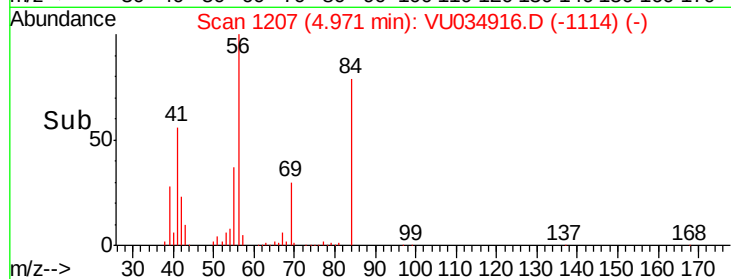
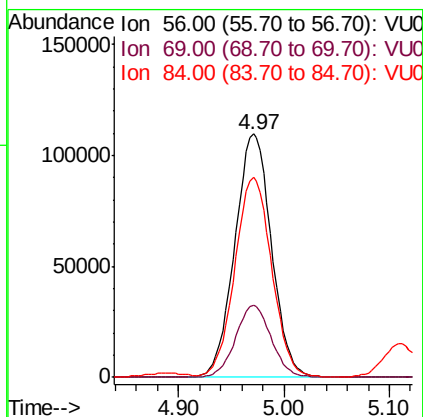
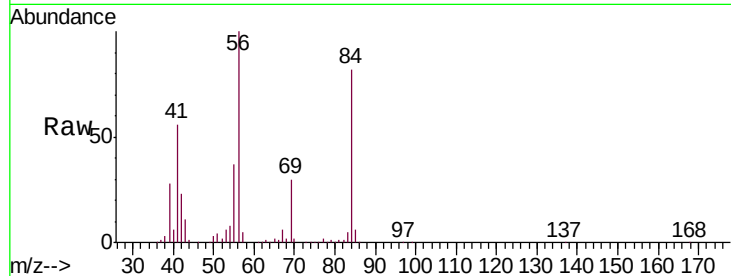




#29
Cyclohexane
Concen: 49.634 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034916.D
Acq: 03 Oct 2019 14:42

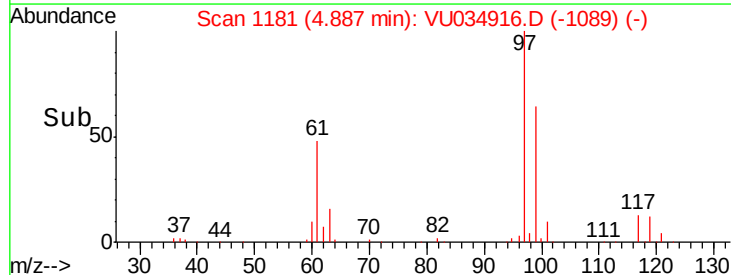
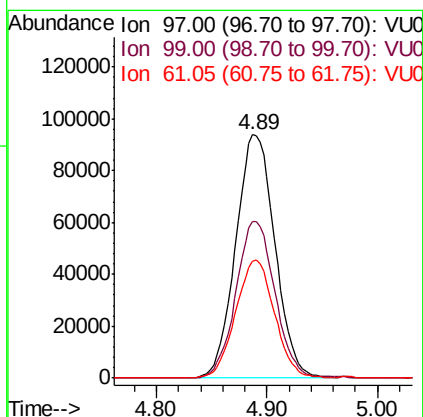
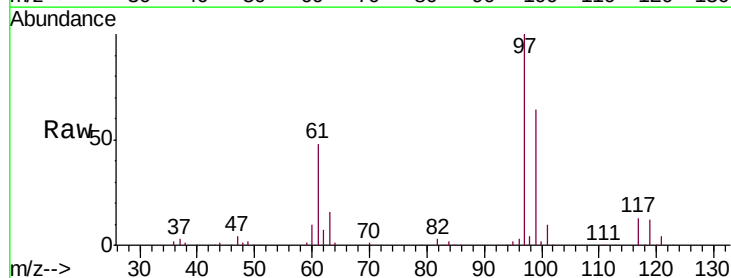
Instrument :
MSVOA_U
ClientSampled :
VICV32

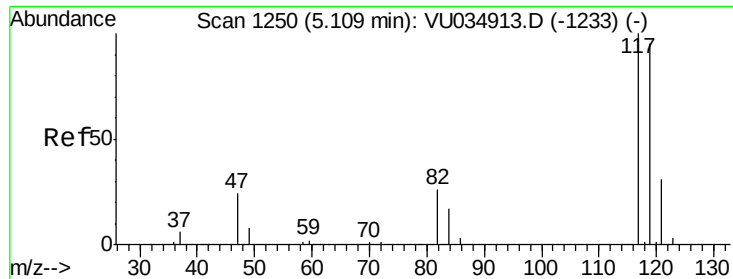
Tgt Ion: 56 Resp: 264936
Ion Ratio Lower Upper
56 100
69 28.8 23.8 35.6
84 82.2 65.4 98.2



#30
1,1,1-Trichloroethane
Concen: 48.291 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU034916.D
Acq: 03 Oct 2019 14:42

Tgt Ion: 97 Resp: 231317
Ion Ratio Lower Upper
97 100
99 63.6 51.1 76.7
61 48.3 38.7 58.1





#31

Carbon tetrachloride

Concen: 48.680 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

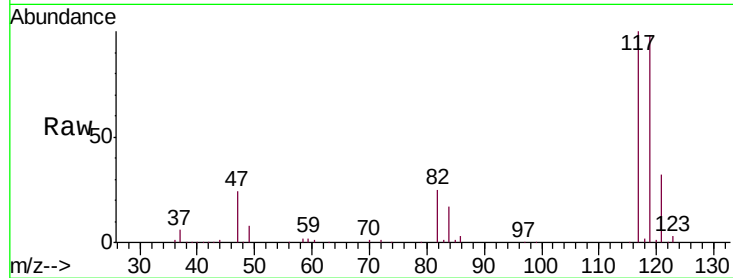
VICV32

Tgt Ion:117 Resp: 203246

Ion Ratio Lower Upper

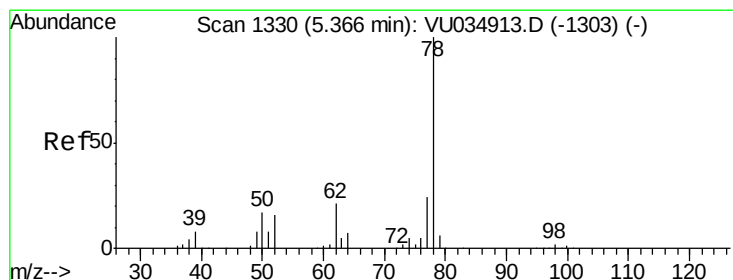
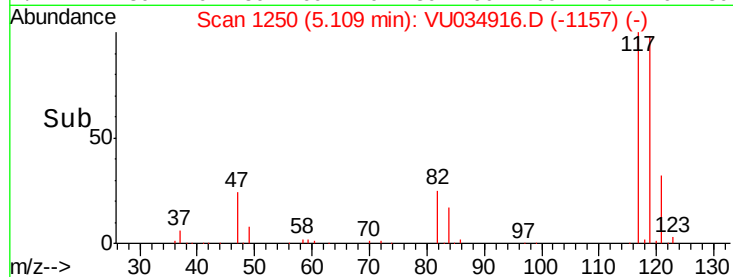
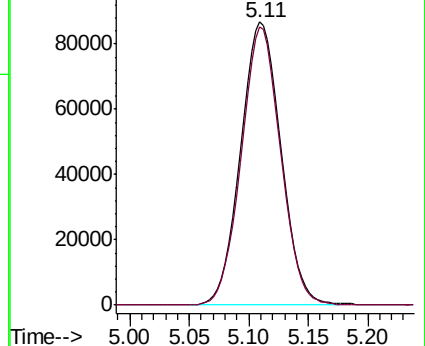
117 100

119 95.9 77.5 116.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.028 ug/L

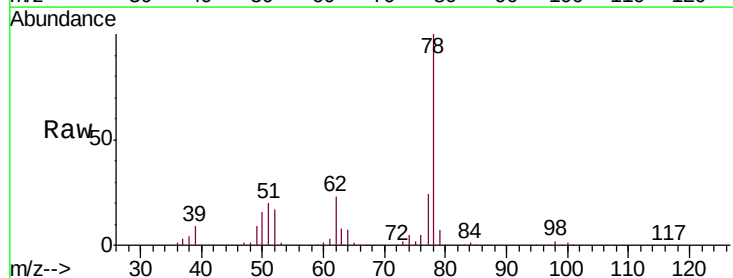
RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

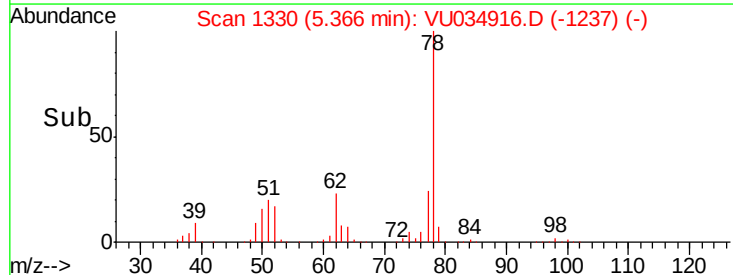
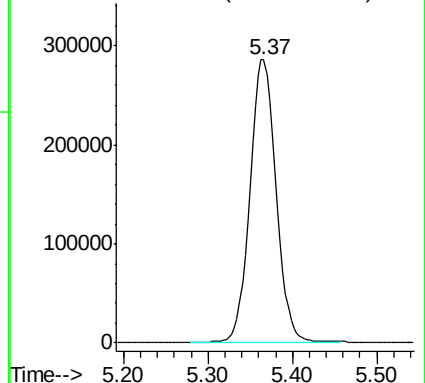
Lab File: VU034916.D

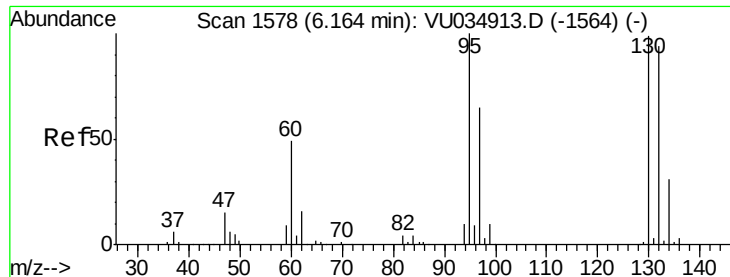
Acq: 03 Oct 2019 14:42

Tgt Ion: 78 Resp: 619784



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 48.726 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

VICV32

Tgt Ion: 95 Resp: 158447

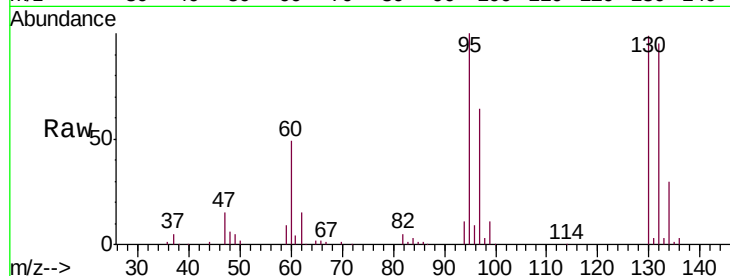
Ion Ratio Lower Upper

95 100

97 64.2 45.1 83.9

132 95.2 65.9 122.5

130 98.9 69.0 128.2

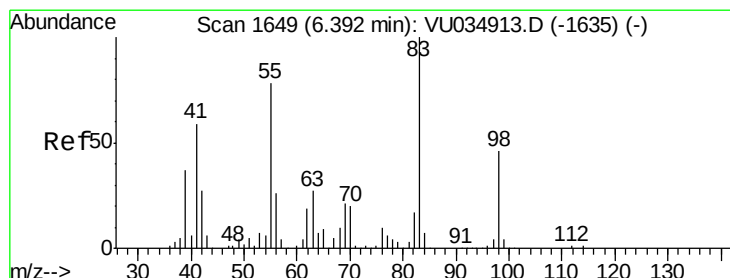
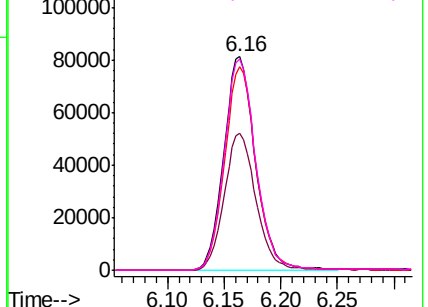
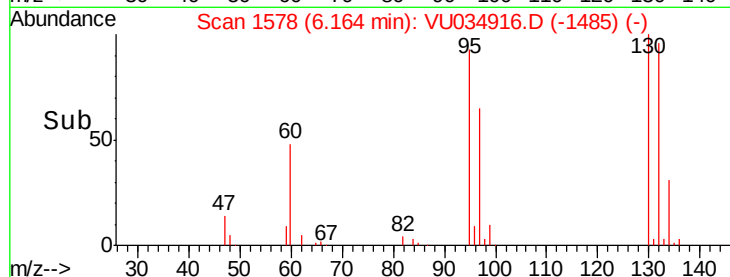


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 49.943 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

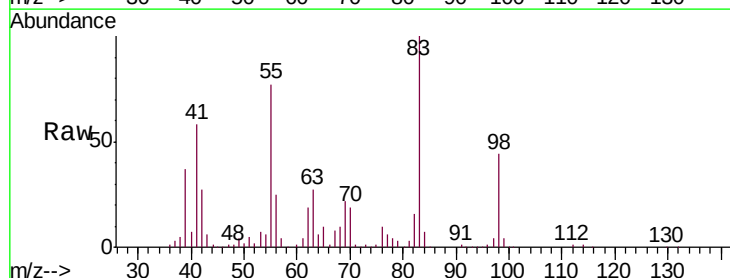
Tgt Ion: 83 Resp: 263639

Ion Ratio Lower Upper

83 100

55 78.6 62.1 93.1

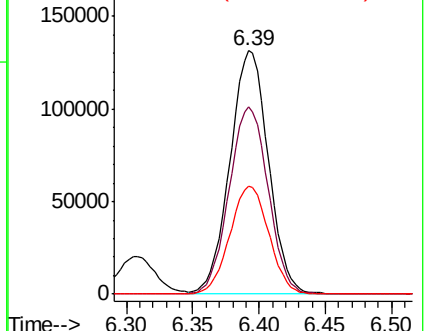
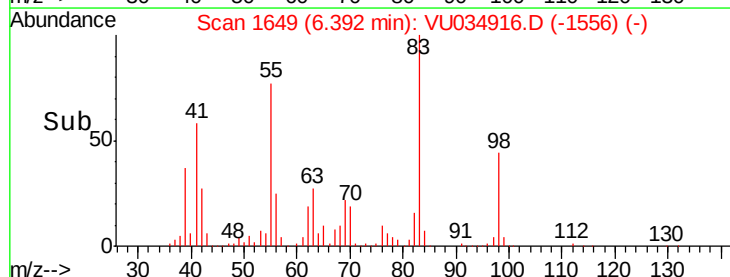
98 45.2 36.4 54.6

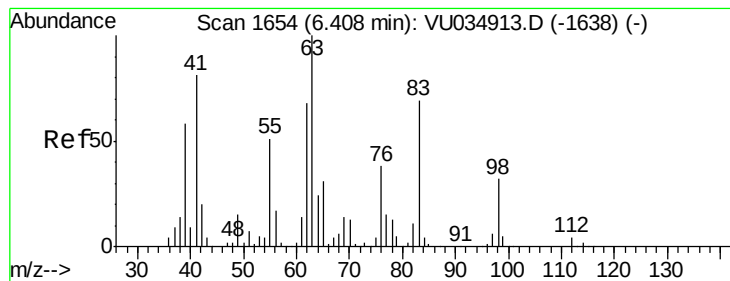


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 48.168 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

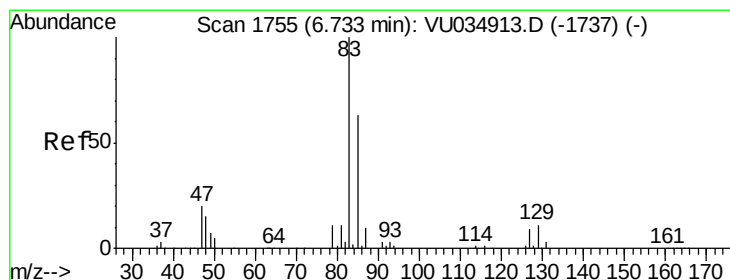
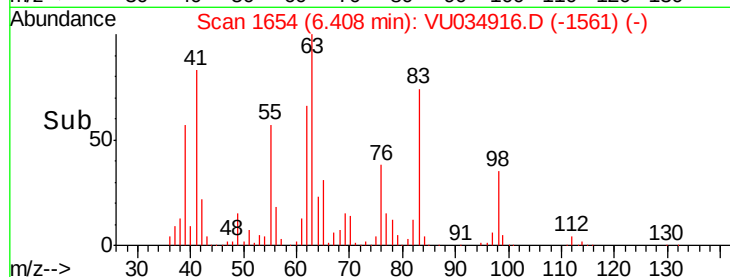
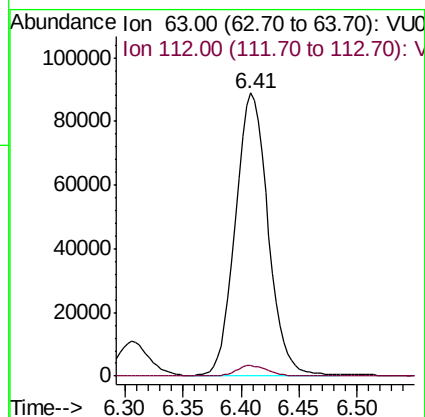
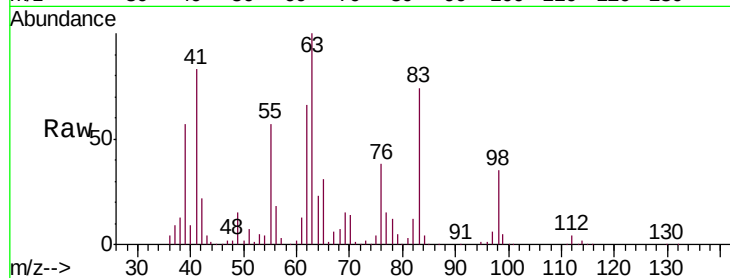
VICV32

Tgt Ion: 63 Resp: 173245

Ion Ratio Lower Upper

63 100

112 3.6 2.9 4.3



#38

Bromodichloromethane

Concen: 47.120 ug/L

RT: 6.73 min Scan# 1755

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

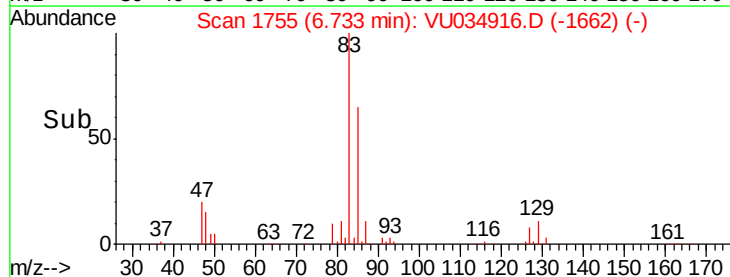
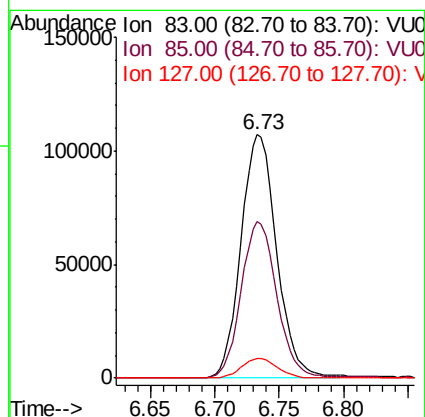
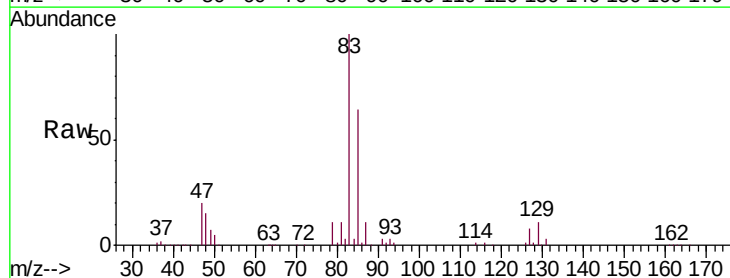
Tgt Ion: 83 Resp: 205728

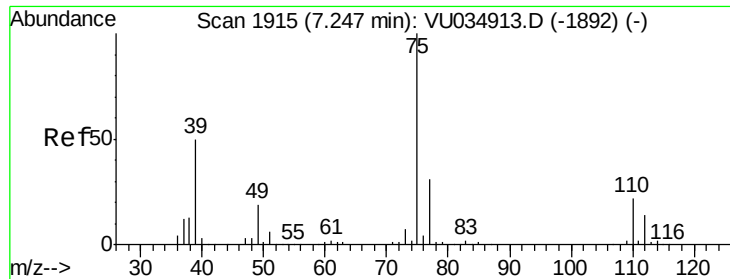
Ion Ratio Lower Upper

83 100

85 64.4 44.3 82.3

127 8.2 7.0 10.4

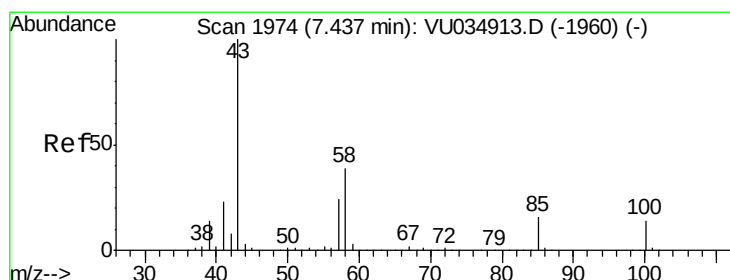
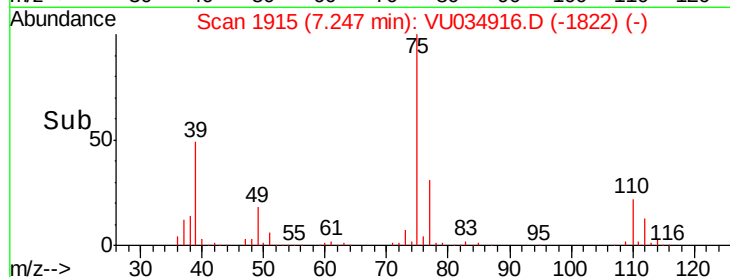
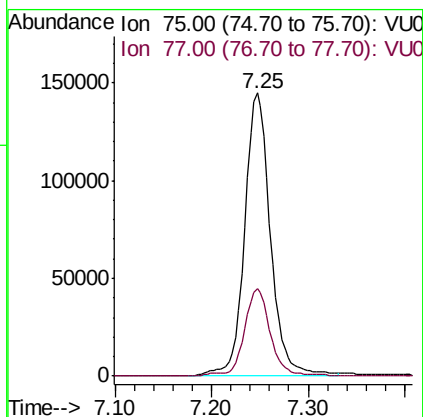
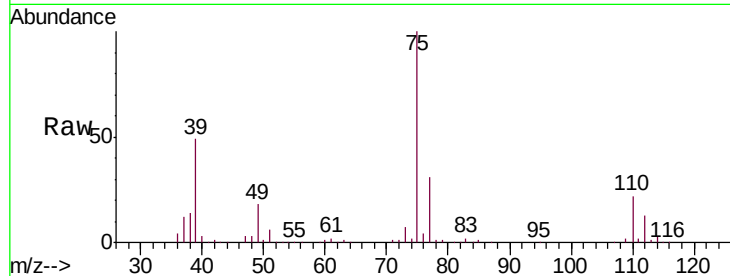




#39
 cis-1,3-Dichloropropene
 Concen: 49.333 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034916.D
 Acq: 03 Oct 2019 14:42

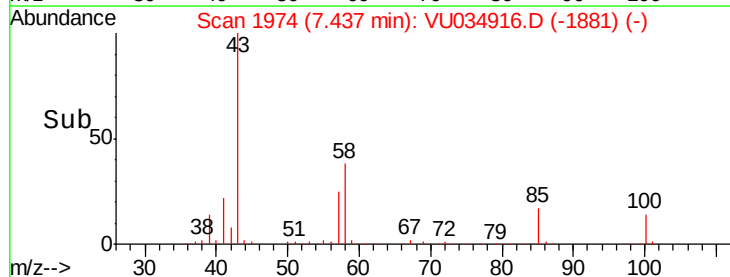
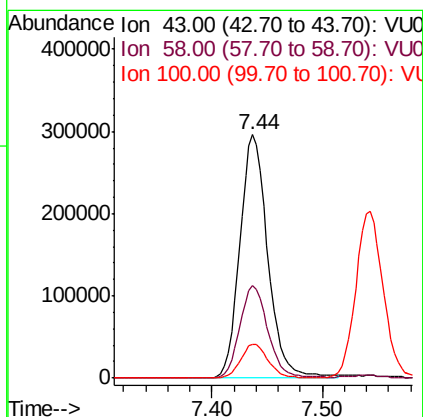
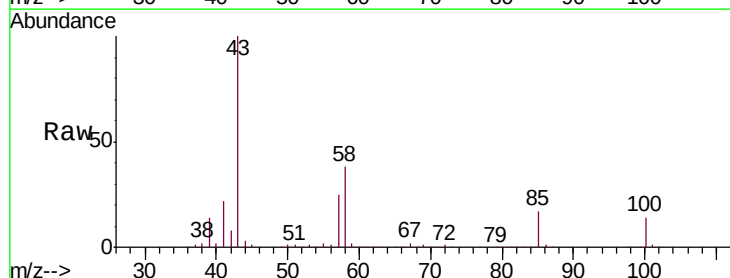
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

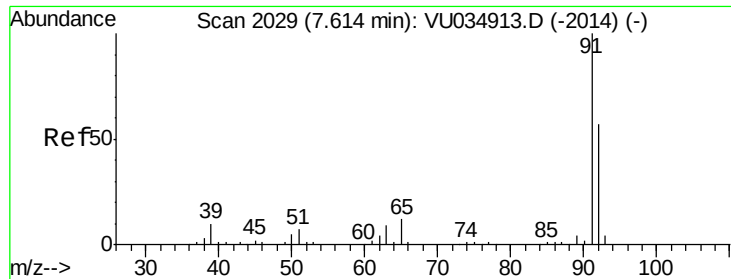
Tgt Ion: 75 Resp: 268830
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 93.249 ug/L
 RT: 7.44 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: VU034916.D
 Acq: 03 Oct 2019 14:42

Tgt Ion: 43 Resp: 519511
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.7 46.1
 100 13.8 10.9 16.3





#42

Toluene

Concen: 48.793 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

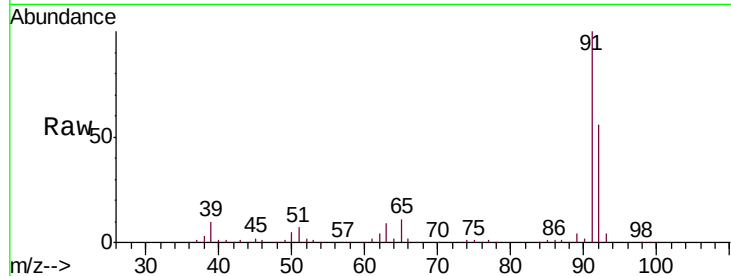
VICV32

Tgt Ion: 91 Resp: 676774

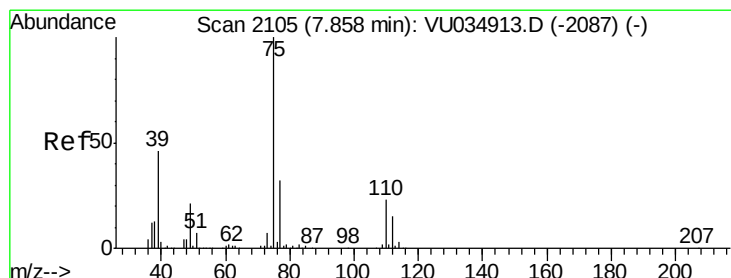
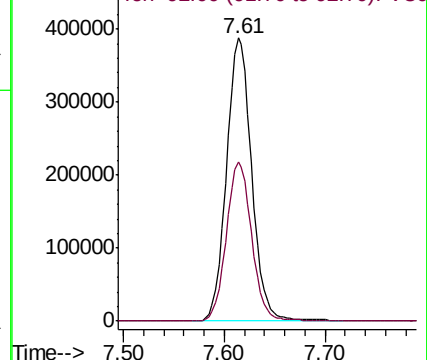
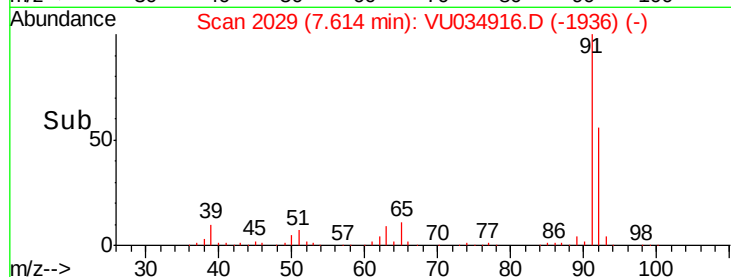
Ion Ratio Lower Upper

91 100

92 56.1 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU034916.D (-1936) (-)



#44

trans-1,3-Dichloropropene

Concen: 49.561 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034916.D

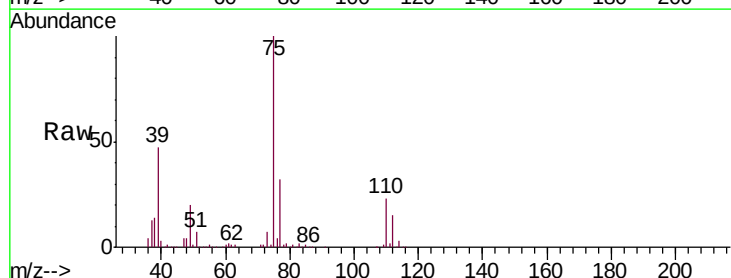
Acq: 03 Oct 2019 14:42

Tgt Ion: 75 Resp: 236734

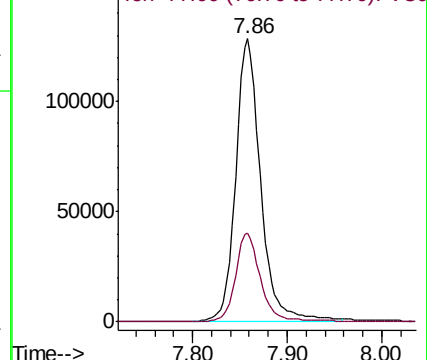
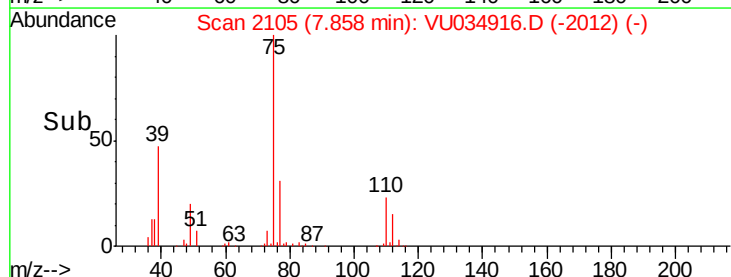
Ion Ratio Lower Upper

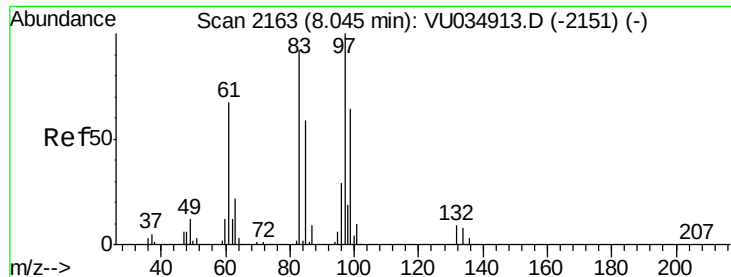
75 100

77 31.6 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU034916.D (-2012) (-)

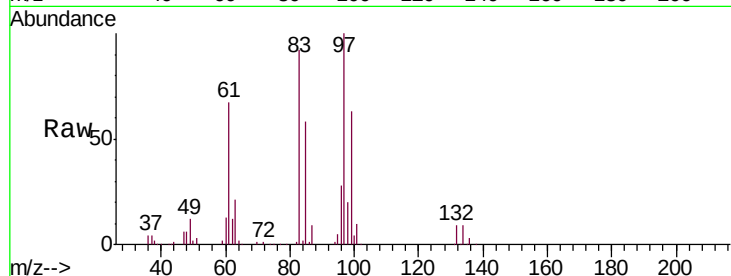




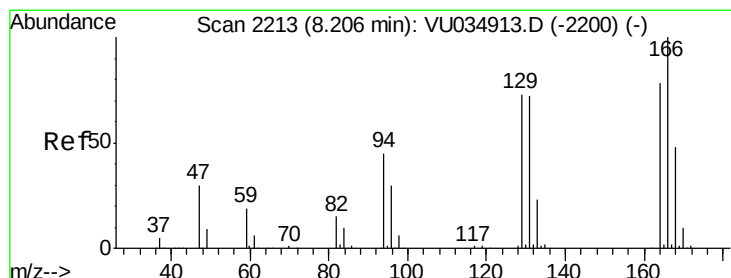
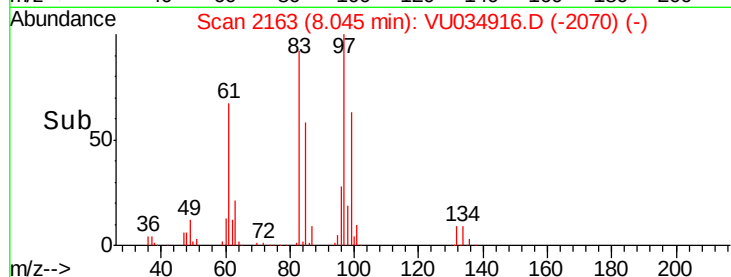
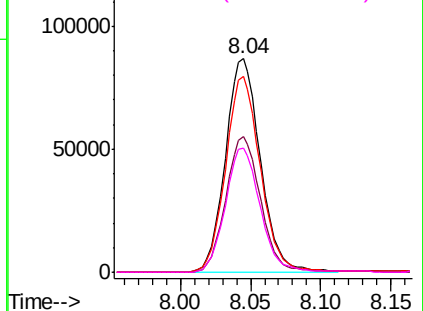
#45
 1,1,2-Trichloroethane
 Concen: 47.544 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034916.D
 Acq: 03 Oct 2019 14:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

Tgt Ion:	97	Resp:	150360
Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.8	83.2
83	91.7	64.4	119.6
85	58.2	41.4	76.8

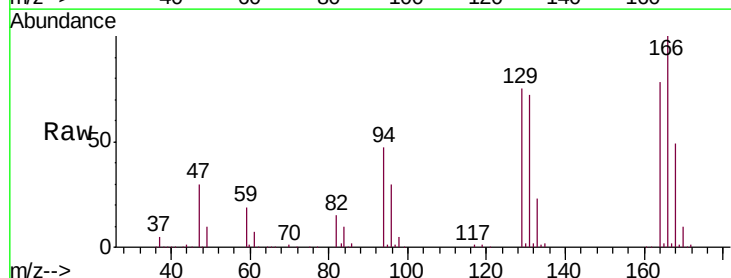


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

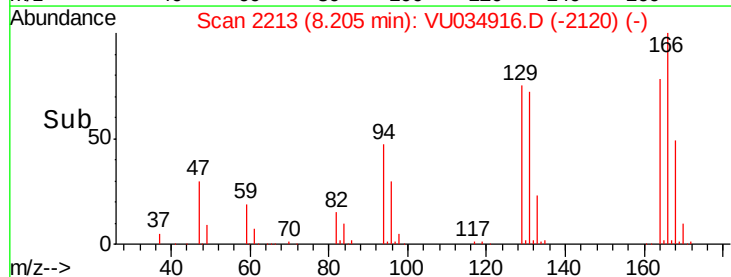
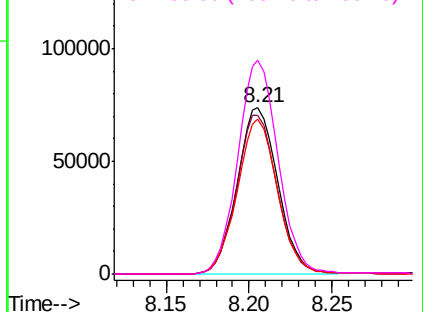


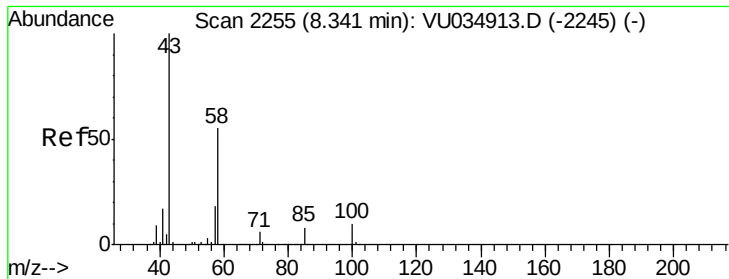
#46
 Tetrachloroethene
 Concen: 48.806 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034916.D
 Acq: 03 Oct 2019 14:42

Tgt Ion:	164	Resp:	125901
Ion	Ratio	Lower	Upper
164	100		
129	95.9	65.9	122.3
131	93.0	64.9	120.5
166	128.7	89.9	166.9



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

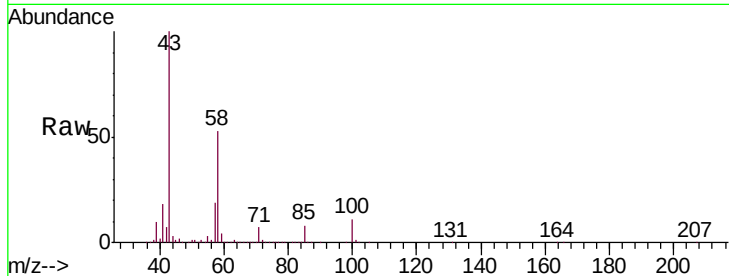




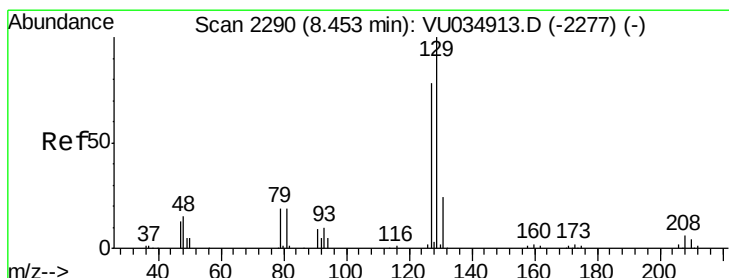
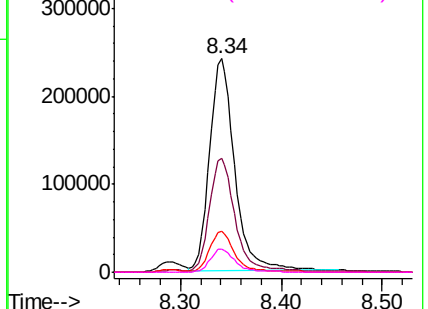
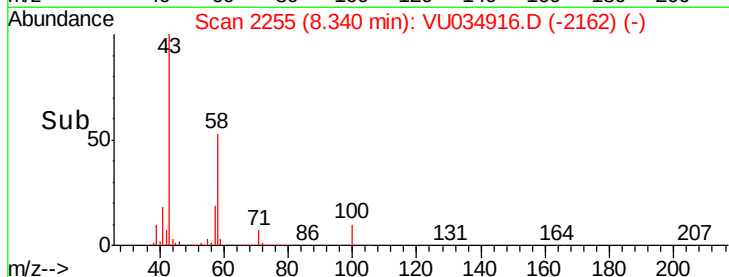
#48
 2-Hexanone
 Concen: 98.951 ug/L
 RT: 8.34 min Scan# 2255
 Delta R.T. -0.00 min
 Lab File: VU034916.D
 Acq: 03 Oct 2019 14:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

Tgt Ion:	43	Resp:	420139
Ion	Ratio	Lower	Upper
43	100		
58	51.4	40.8	61.2
57	18.2	14.0	21.0
100	11.2	8.0	12.0

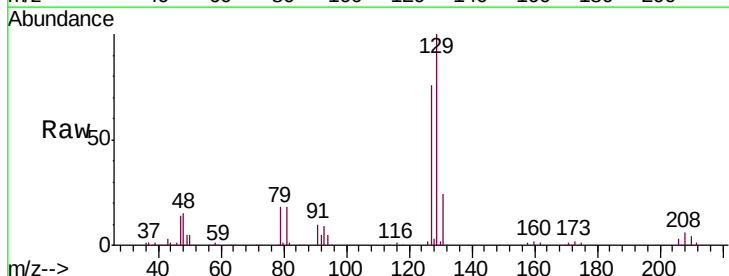


Abundance Ion 43.00 (42.70 to 43.70): VU034916.D (-2162) (-)
 Ion 58.00 (57.70 to 58.70): VU034916.D (-2162) (-)
 Ion 57.00 (56.70 to 57.70): VU034916.D (-2162) (-)
 Ion 100.00 (99.70 to 100.70): VU034916.D (-2162) (-)

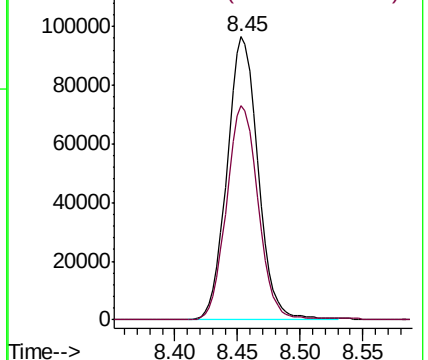
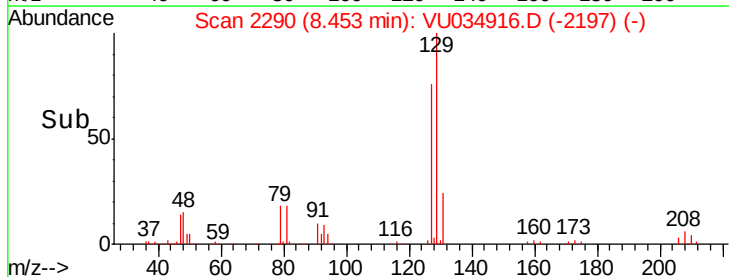


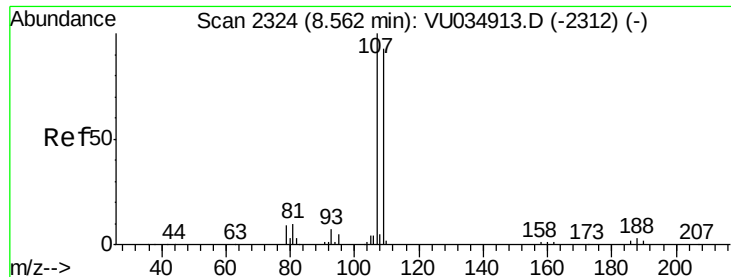
#49
 Dibromochloromethane
 Concen: 48.603 ug/L
 RT: 8.45 min Scan# 2290
 Delta R.T. -0.00 min
 Lab File: VU034916.D
 Acq: 03 Oct 2019 14:42

Tgt Ion:	129	Resp:	166412
Ion	Ratio	Lower	Upper
129	100		
127	75.7	54.3	100.9



Abundance Ion 129.00 (128.70 to 129.70): VU034916.D (-2197) (-)
 Ion 127.00 (126.70 to 127.70): VU034916.D (-2197) (-)

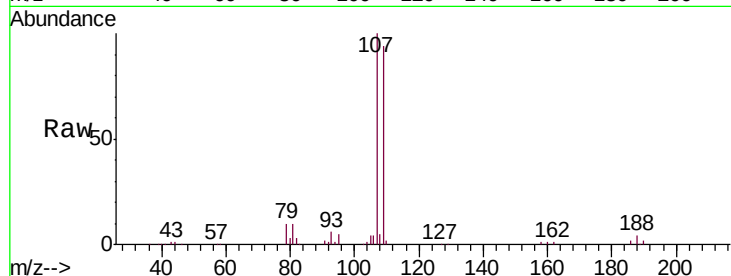




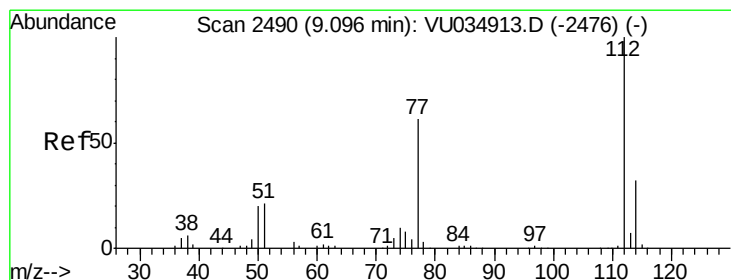
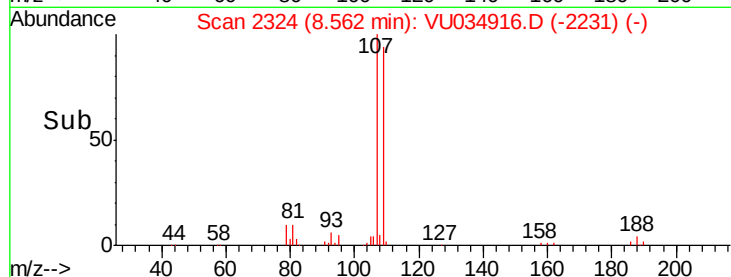
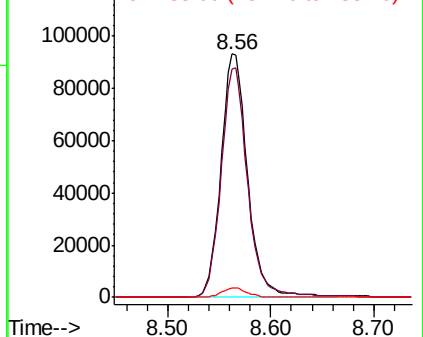
#50
 1,2-Dibromoethane
 Concen: 49.285 ug/L
 RT: 8.56 min Scan# 2324
 Delta R.T. -0.00 min
 Lab File: VU034916.D
 Acq: 03 Oct 2019 14:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

Tgt Ion:107 Resp: 167534
 Ion Ratio Lower Upper
 107 100
 109 93.6 65.2 121.0
 188 3.6 2.6 4.0

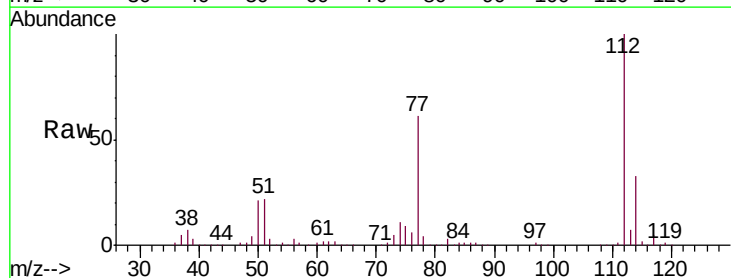


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

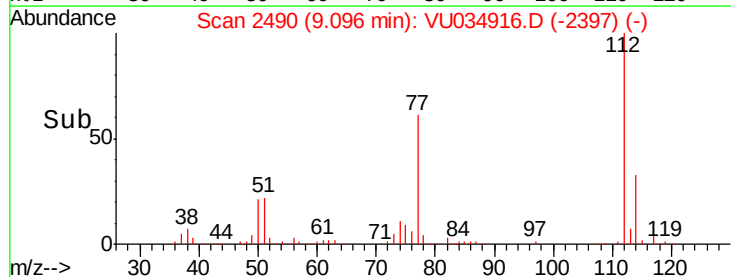
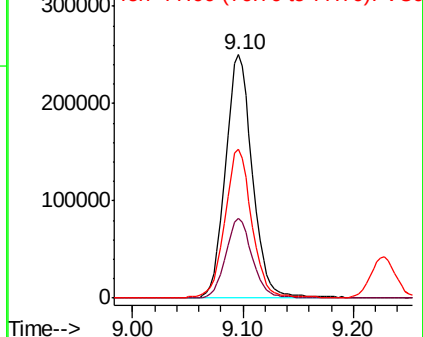


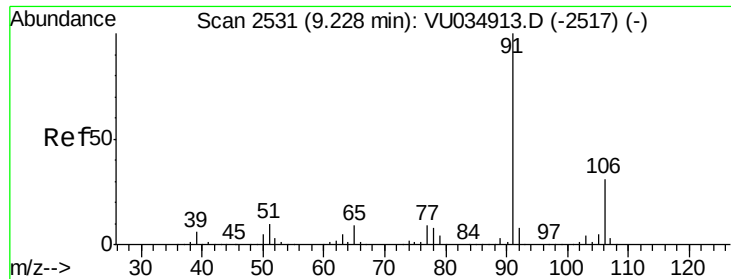
#51
 Chlorobenzene
 Concen: 47.836 ug/L
 RT: 9.10 min Scan# 2490
 Delta R.T. -0.00 min
 Lab File: VU034916.D
 Acq: 03 Oct 2019 14:42

Tgt Ion:112 Resp: 423672
 Ion Ratio Lower Upper
 112 100
 114 32.7 22.3 41.3
 77 61.4 48.7 73.1



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: 49.138 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

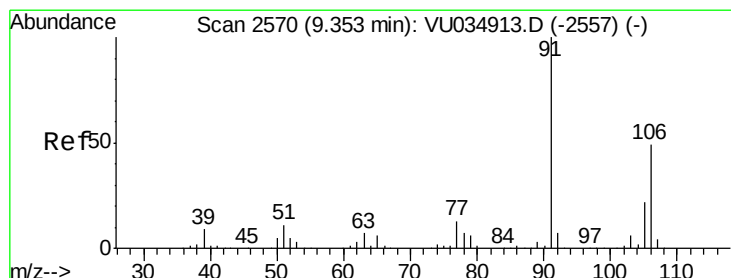
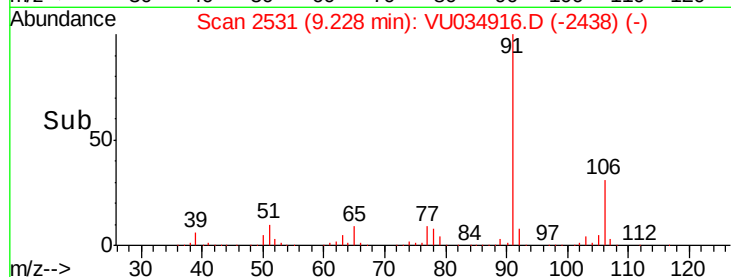
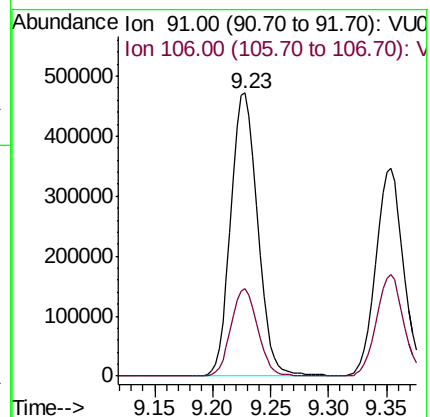
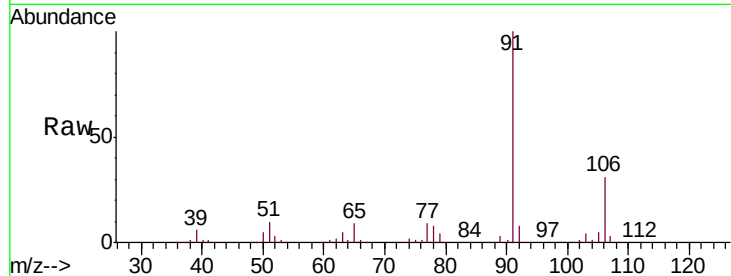
VICV32

Tgt Ion: 91 Resp: 756651

Ion Ratio Lower Upper

91 100

106 31.0 21.6 40.2



#53

m,p-Xylene

Concen: 48.991 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034916.D

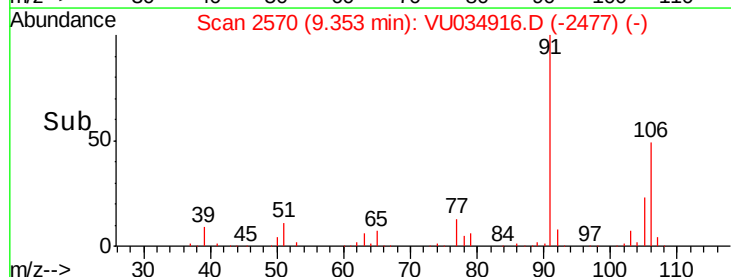
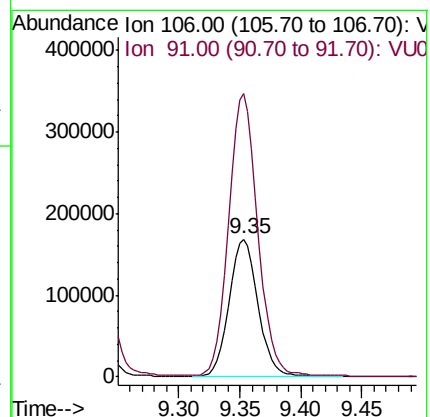
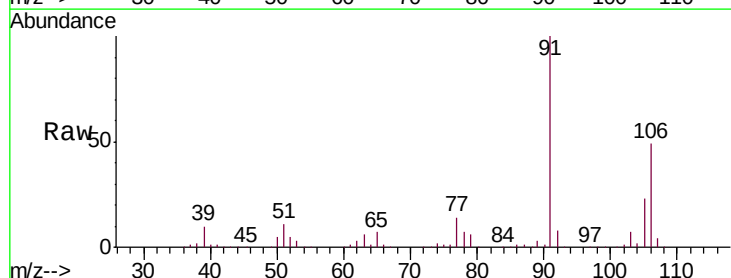
Acq: 03 Oct 2019 14:42

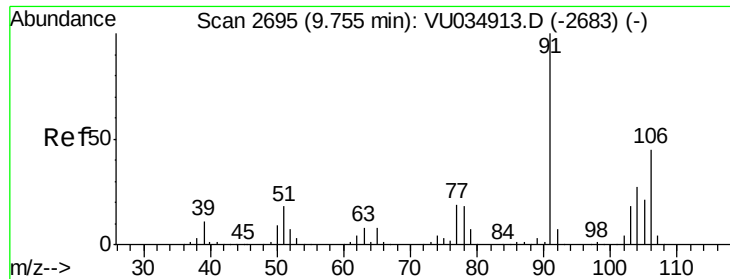
Tgt Ion: 106 Resp: 279394

Ion Ratio Lower Upper

106 100

91 205.5 144.5 268.3





#54

o-xylene

Concen: 49.512 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

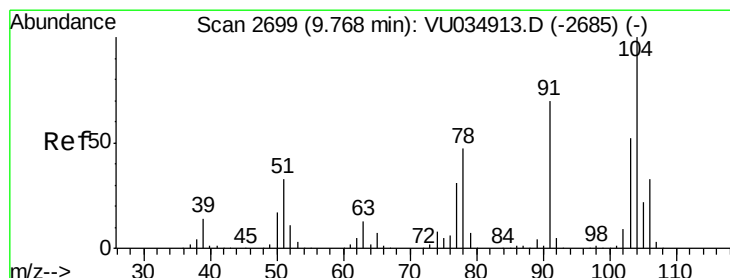
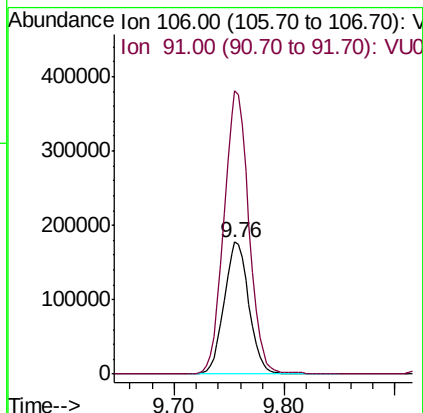
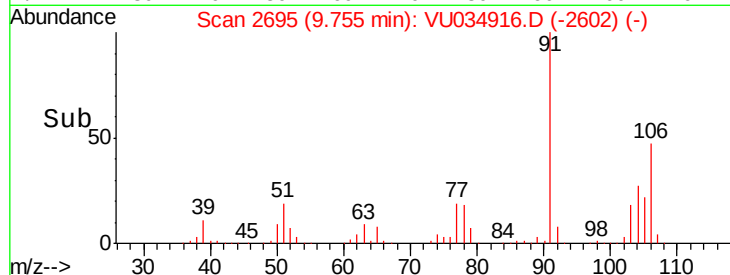
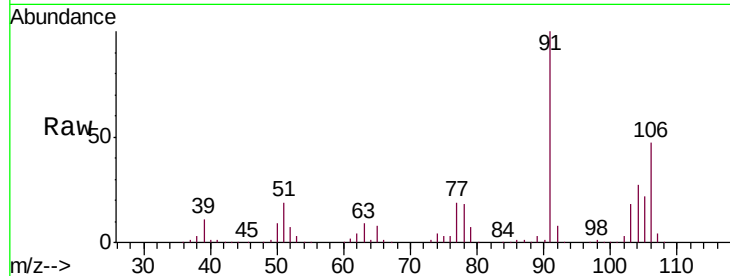
VICV32

Tgt Ion:106 Resp: 277697

Ion Ratio Lower Upper

106 100

91 214.8 154.1 286.3



#55

Styrene

Concen: 49.732 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VU034916.D

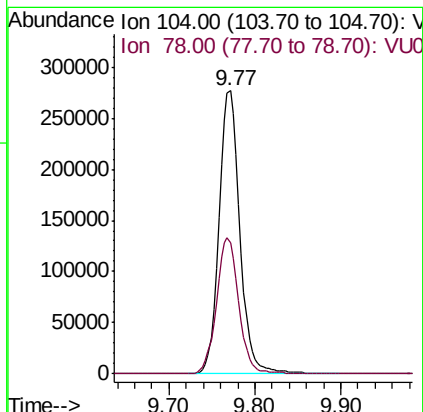
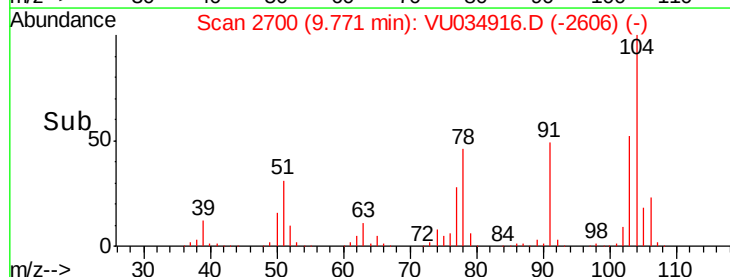
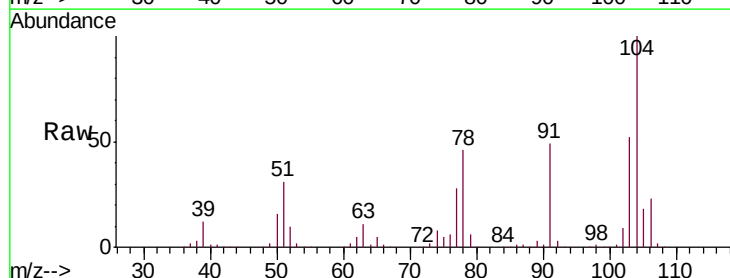
Acq: 03 Oct 2019 14:42

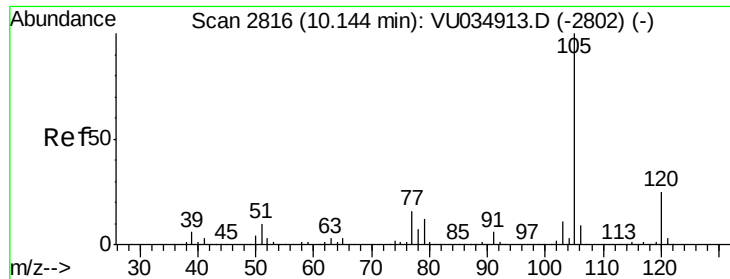
Tgt Ion:104 Resp: 467814

Ion Ratio Lower Upper

104 100

78 46.3 33.0 61.4





#56

Isopropylbenzene

Concen: 49.114 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

Instrument :

MSVOA_U

ClientSampled :

VICV32

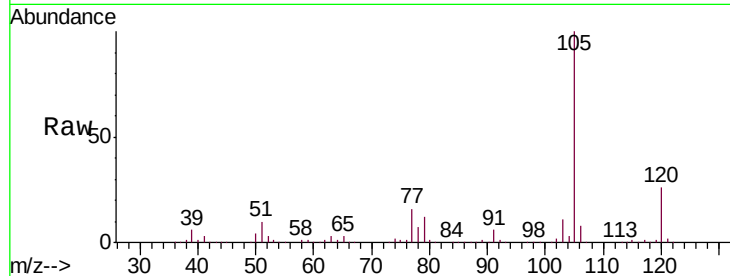
Tgt Ion: 105 Resp: 725130

Ion Ratio Lower Upper

105 100

120 26.2 20.8 31.2

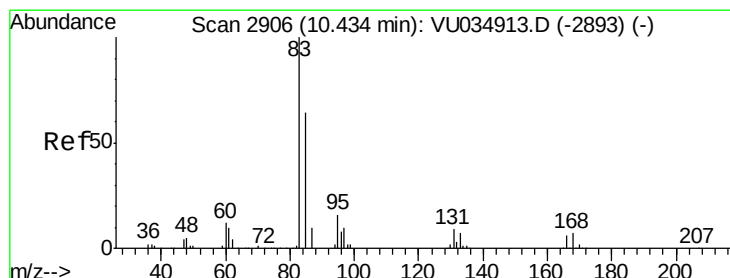
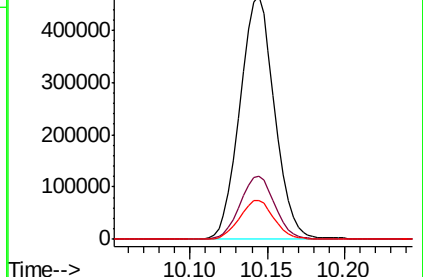
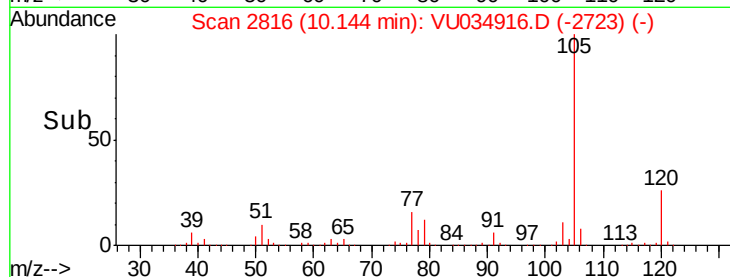
77 16.1 12.8 19.2



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: 47.803 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

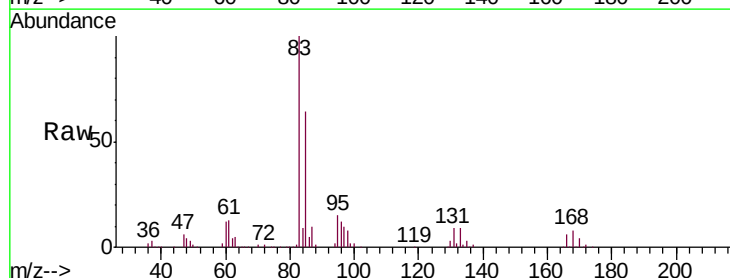
Tgt Ion: 83 Resp: 275851

Ion Ratio Lower Upper

83 100

85 63.8 45.1 83.9

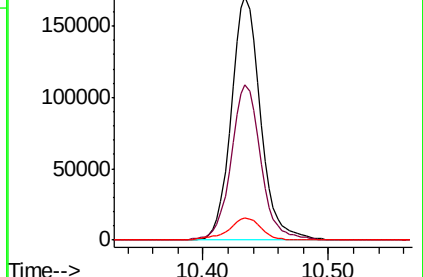
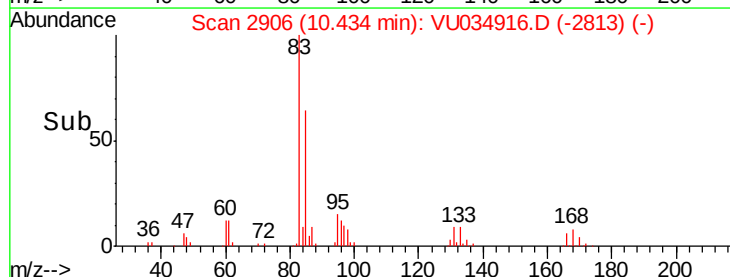
131 9.0 7.4 11.2

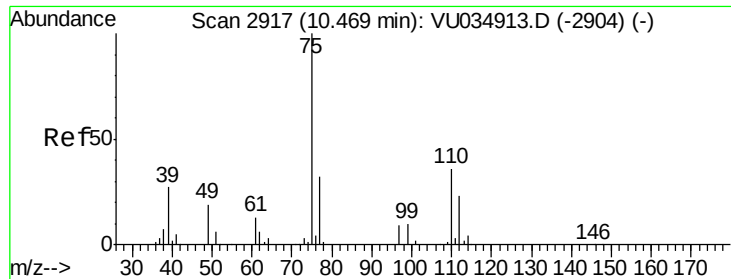


Abundance Ion 83.00 (82.70 to 83.70): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.247 ug/L

RT: 10.47 min Scan# 2917

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

Instrument :

MSVOA_U

ClientSampled :

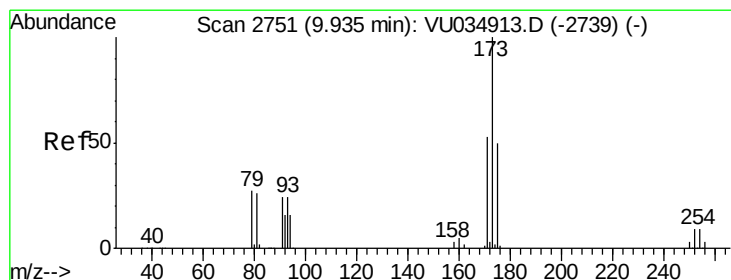
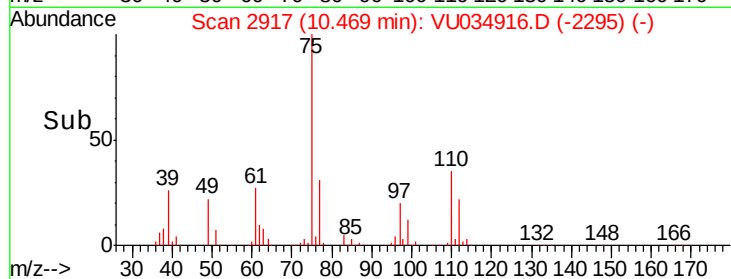
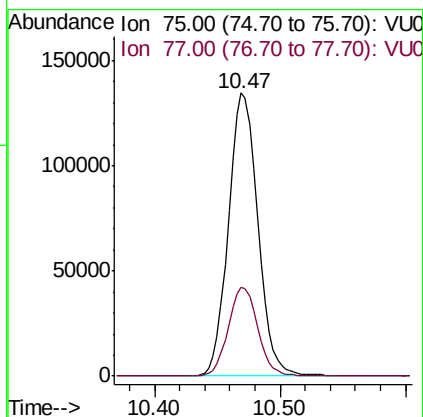
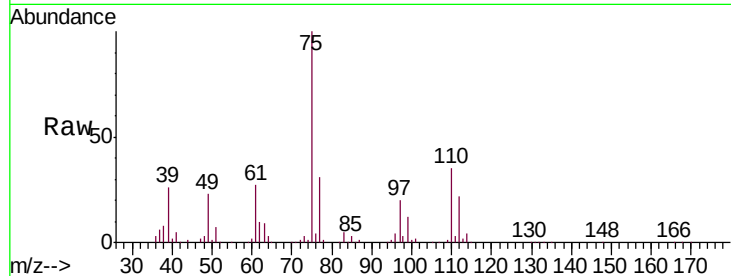
VICV32

Tgt Ion: 75 Resp: 219688

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5



#61

Bromoform

Concen: 46.929 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

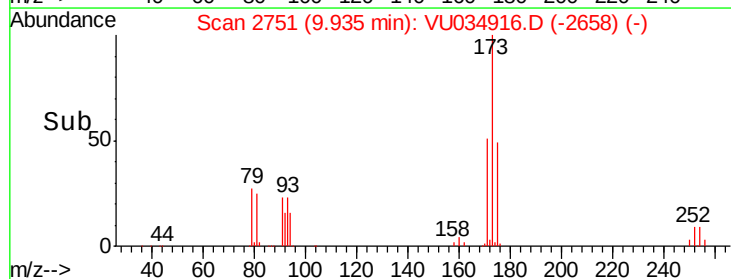
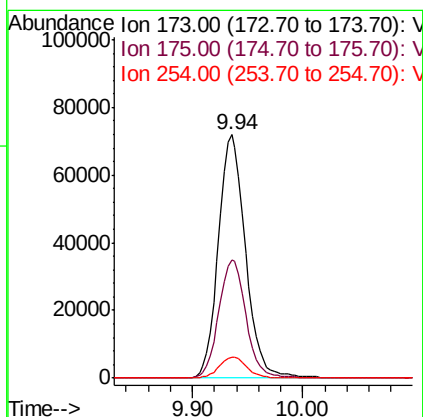
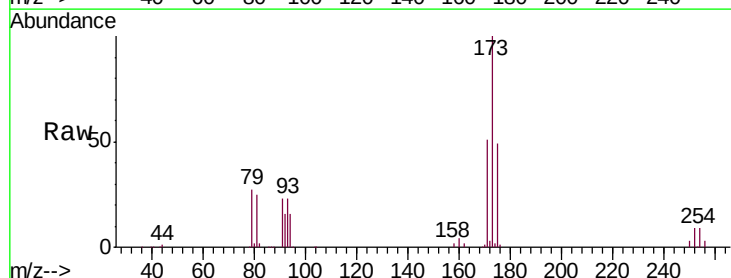
Tgt Ion: 173 Resp: 123026

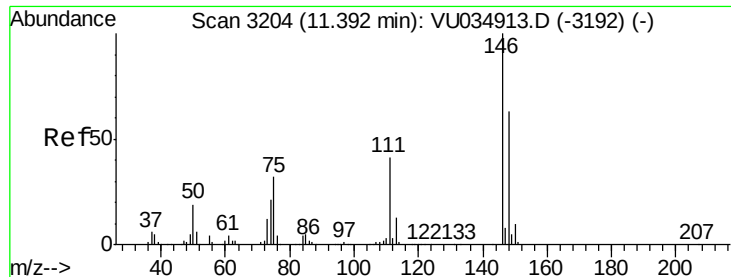
Ion Ratio Lower Upper

173 100

175 48.6 38.6 57.8

254 8.7 6.9 10.3





#62

1,3-Dichlorobenzene

Concen: 47.463 ug/L

RT: 11.39 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

Instrument :

MSVOA_U

ClientSampled :

VICV32

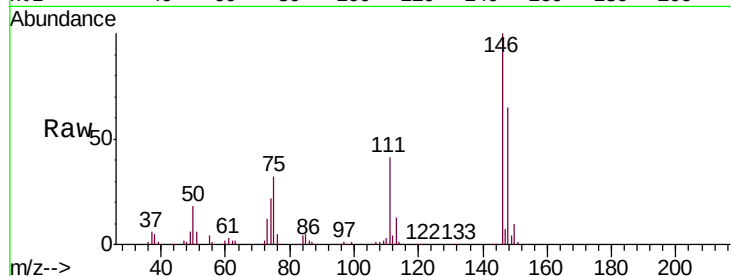
Tgt Ion:146 Resp: 319283

Ion Ratio Lower Upper

146 100

111 40.9 28.8 53.6

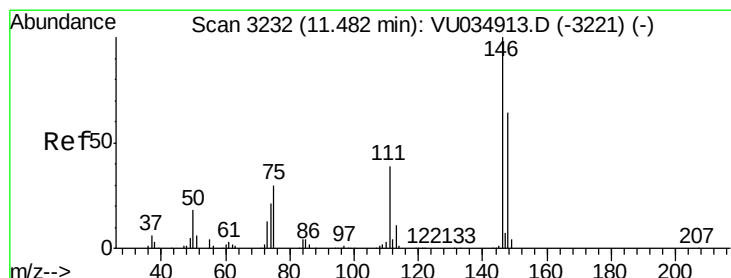
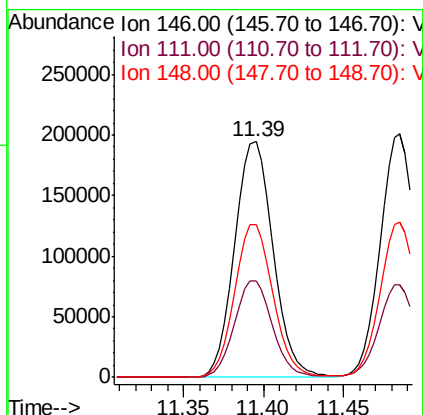
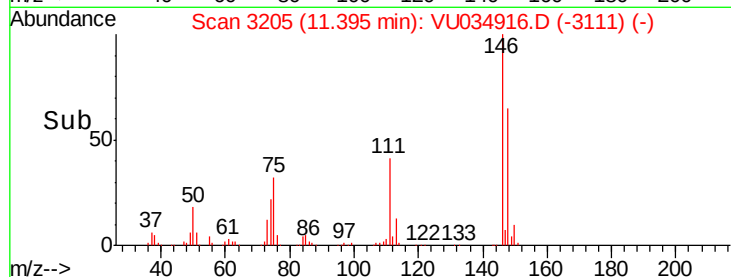
148 64.9 44.4 82.5



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: 47.945 ug/L

RT: 11.48 min Scan# 3233

Delta R.T. 0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

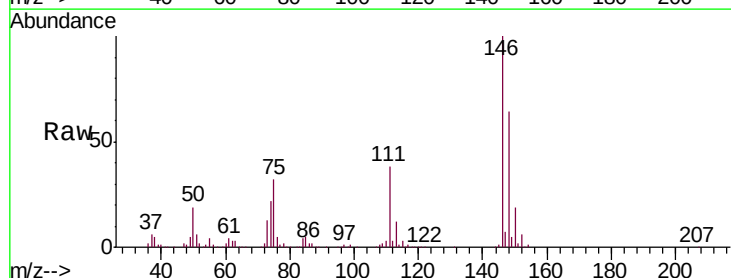
Tgt Ion:146 Resp: 322376

Ion Ratio Lower Upper

146 100

111 38.0 27.3 50.7

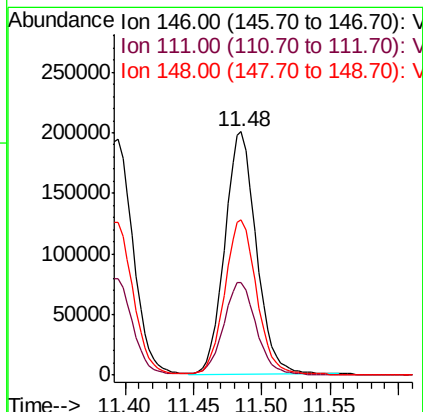
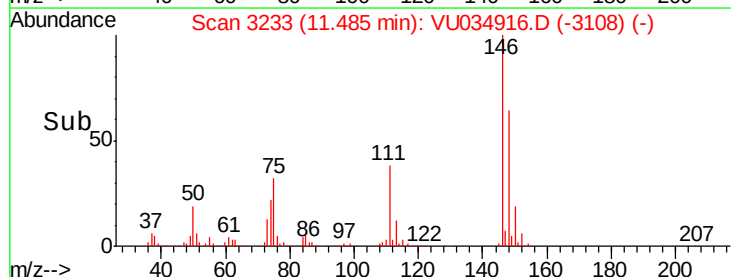
148 64.0 44.5 82.7

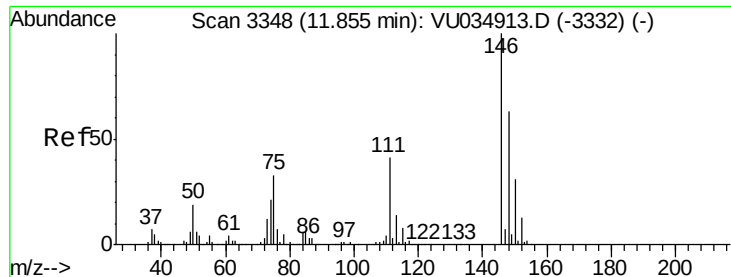


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

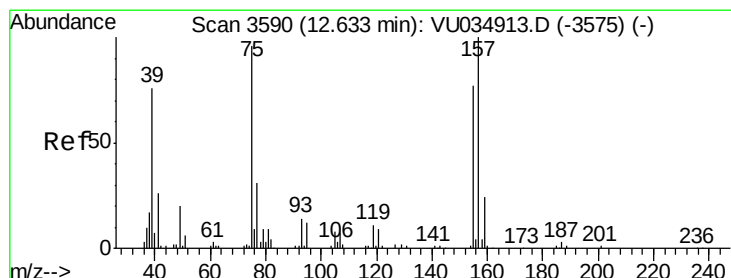
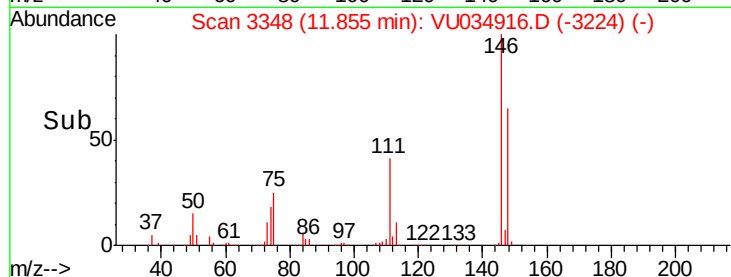
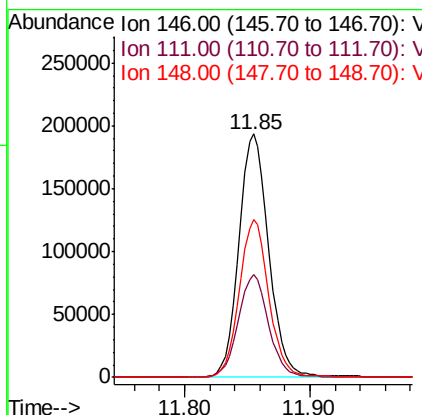
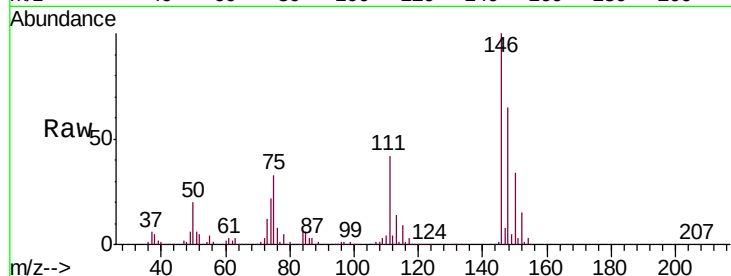




#65
 1,2-Dichlorobenzene
 Concen: 47.273 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034916.D
 Acq: 03 Oct 2019 14:42

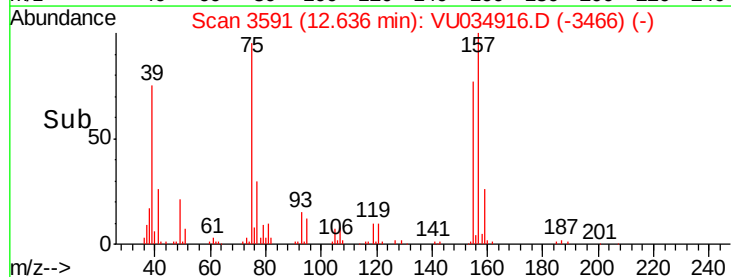
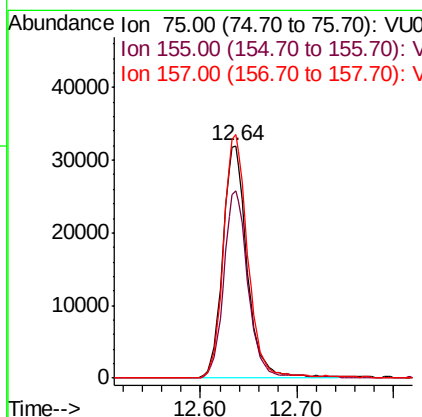
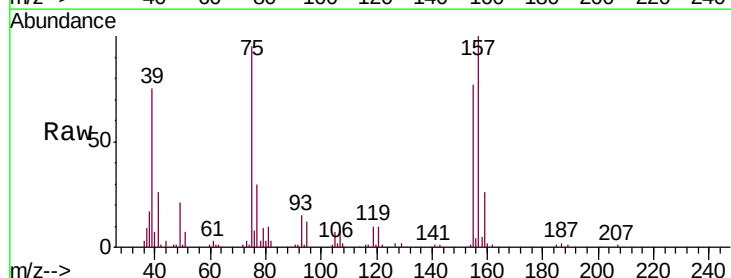
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

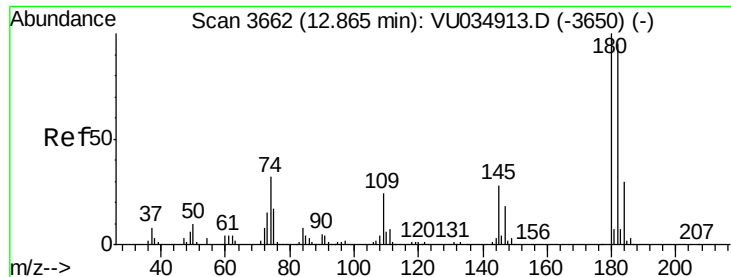
Tgt Ion: 146 Resp: 319097
 Ion Ratio Lower Upper
 146 100
 111 42.0 33.0 49.4
 148 64.8 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.616 ug/L
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034916.D
 Acq: 03 Oct 2019 14:42

Tgt Ion: 75 Resp: 56060
 Ion Ratio Lower Upper
 75 100
 155 80.5 64.2 96.2
 157 104.8 83.0 124.4

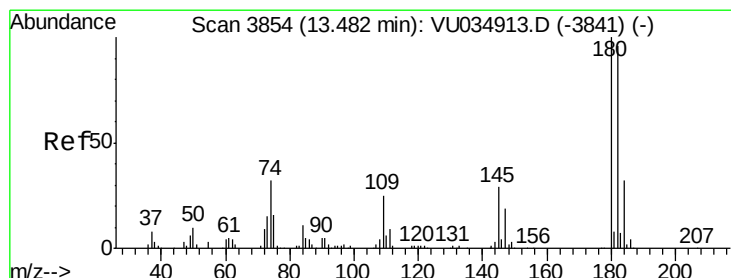
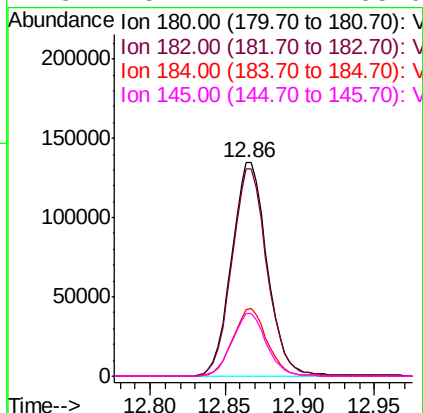
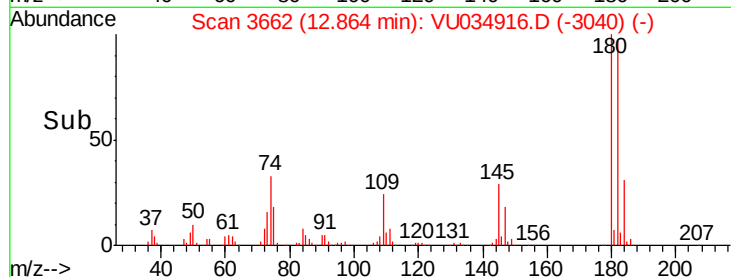
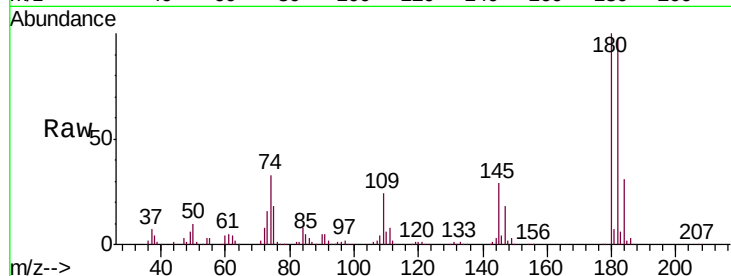




#67
 1,3,5-Trichlorobenzene
 Concen: 49.311 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VU034916.D
 Acq: 03 Oct 2019 14:42

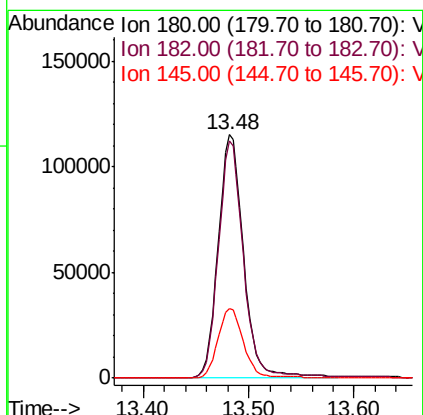
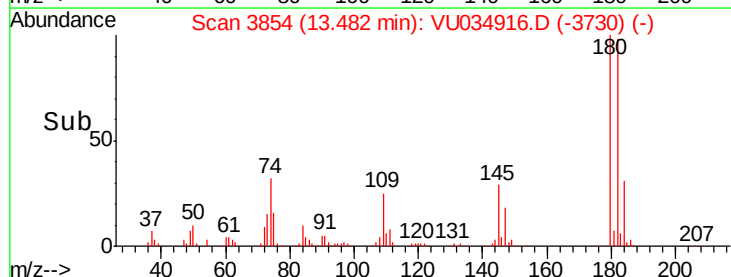
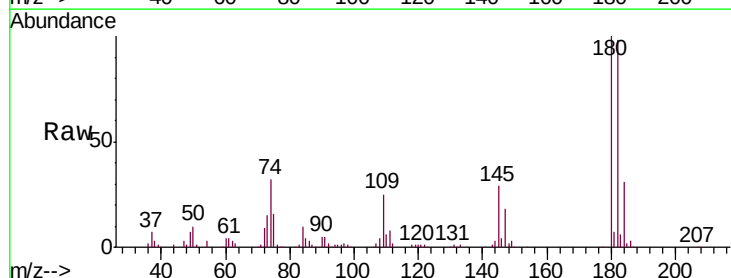
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

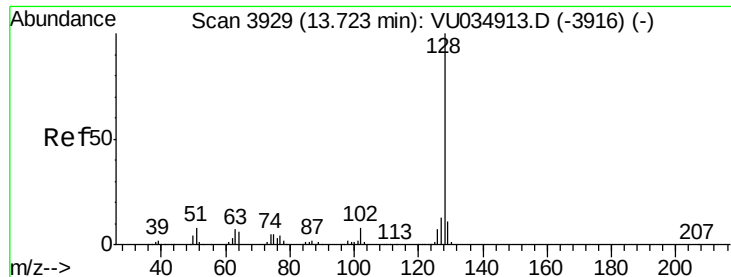
Tgt Ion:	180	Resp:	222521
Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.6	115.0
184	30.8	24.1	36.1
145	28.7	22.4	33.6



#68
 1,2,4-trichlorobenzene
 Concen: 56.244 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034916.D
 Acq: 03 Oct 2019 14:42

Tgt Ion:	180	Resp:	192932
Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.5	114.7
145	28.2	22.6	33.8





#69

Naphthalene

Concen: 62.347 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

VICV32

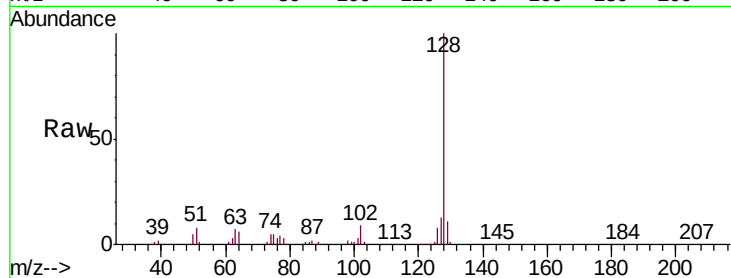
Tgt Ion:128 Resp: 648780

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

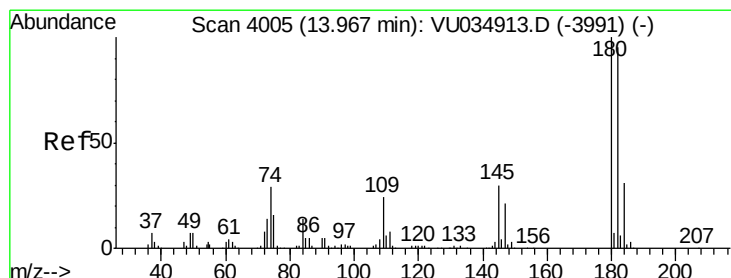
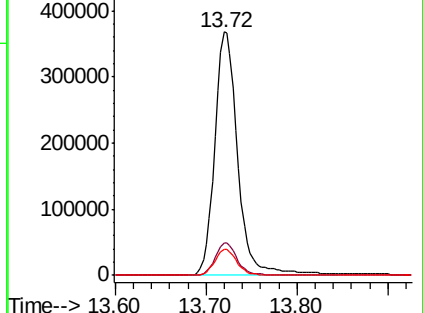
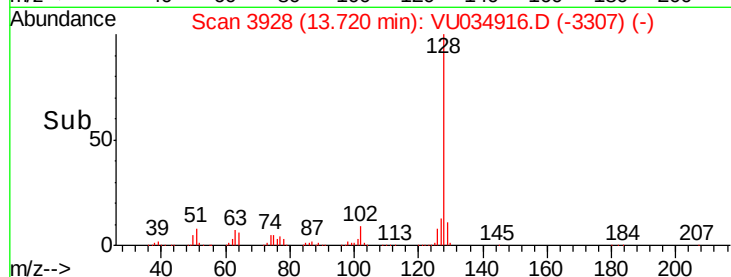
129 10.3 8.4 12.6



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: 49.557 ug/L

RT: 13.97 min Scan# 4005

Delta R.T. -0.00 min

Lab File: VU034916.D

Acq: 03 Oct 2019 14:42

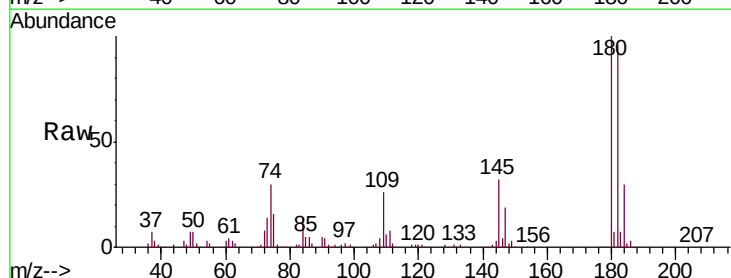
Tgt Ion:180 Resp: 179357

Ion Ratio Lower Upper

180 100

182 95.1 77.2 115.8

145 30.4 24.5 36.7



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

