

Data File : VU029446.D

Acq On : 14 Feb 2019 10:09

Operator : JC/SP

Sample : VSTDCCC005

Misc : 25.0mL/MSVOA_U/WATER

ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

Quant Time: Feb 15 00:42:10 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Feb 14 00:18:32 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	206592	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	198120	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	110385	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	63237	4.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.20%
7) Chloroethane-d5	1.68	69	54652	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.20%
11) 1,1-Dichloroethene-d2	2.27	63	140050	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.80%
20) 2-Butanone-d5	4.22	46	147021	50.94	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.88%
24) Chloroform-d	4.64	84	108682	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.31	65	52701	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	5.33	84	213403	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	6.33	67	63195	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.80%
41) Toluene-d8	7.56	98	210744	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.85	79	29815	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.31	63	142290	49.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.30%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	57394	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	92920	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	87478	4.835	ug/L 96
3) Chloromethane	1.32	50	84737	4.963	ug/L 99
5) Vinyl chloride	1.40	62	99423	4.997	ug/L 100
6) Bromomethane	1.63	94	56766	4.891	ug/L 98
8) Chloroethane	1.70	64	61085	4.715	ug/L 99
9) Trichlorofluoromethane	1.88	101	166249	5.459	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	91308	5.086	ug/L 99
12) 1,1-Dichloroethene	2.28	96	85061	5.003	ug/L 91
13) Acetone	2.36	43	137440	52.422	ug/L 99
14) Carbon disulfide	2.48	76	268309	4.790	ug/L 99
15) Methyl Acetate	2.63	43	35015	5.213	ug/L 96
16) Methylene chloride	2.70	84	87602	4.585	ug/L 98
17) Methyl tert-butyl Ether	3.01	73	212256	4.986	ug/L 99
18) trans-1,2-Dichloroethene	2.98	96	89758	4.951	ug/L 97
19) 1,1-Dichloroethane	3.44	63	152676	5.590	ug/L 96
21) 2-Butanone	4.30	43	170530	52.637	ug/L 100
22) cis-1,2-Dichloroethene	4.22	96	81147	4.866	ug/L 97

Data File : VU029446.D
Acq On : 14 Feb 2019 10:09
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

Quant Time: Feb 15 00:42:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 14 00:18:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	38228	5.078	ug/L	96
25) Chloroform	4.67	83	130748	4.785	ug/L	97
27) 1,2-Dichloroethane	5.40	62	78136	4.941	ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	118624	4.841	ug/L	99
30) Cyclohexane	4.99	56	111156	4.734	ug/L	98
31) Carbon tetrachloride	5.13	117	107784	4.868	ug/L	100
33) Benzene	5.38	78	277491	4.758	ug/L	100
34) Trichloroethene	6.18	95	79267	4.834	ug/L	96
35) Methylcyclohexane	6.41	83	131118	4.753	ug/L	98
37) 1,2-Dichloropropane	6.43	63	72141	4.939	ug/L	100
38) Bromodichloromethane	6.76	83	93949	4.867	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	112764	4.905	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	412206	48.958	ug/L	100
42) Toluene	7.63	91	320346	4.894	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	92296	4.889	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	54515	4.872	ug/L	95
47) Tetrachloroethene	8.22	164	74640	4.970	ug/L	97
48) 2-Hexanone	8.37	43	299547	48.814	ug/L	100
49) Dibromochloromethane	8.47	129	76444	5.069	ug/L	99
50) 1,2-Dibromoethane	8.58	107	53810	4.860	ug/L	92
51) Chlorobenzene	9.12	112	216661	4.813	ug/L	98
52) Ethylbenzene	9.25	91	355748	4.800	ug/L	99
53) m,p-xylene	9.37	106	141664	4.793	ug/L	97
54) o-xylene	9.77	106	138639	4.779	ug/L	98
55) Styrene	9.79	104	234557	4.870	ug/L	98
56) Isopropylbenzene	10.16	105	370713	4.845	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	68741	5.034	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	45944	4.904	ug/L	97
61) Bromoform	9.95	173	47886	5.125	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	188916	4.831	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	189744	4.859	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	179590	4.874	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.65	75	11144	4.834	ug/L	91
67) 1,3,5-Trichlorobenzene	12.88	180	158762	4.893	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	133110	4.871	ug/L	100
69) Naphthalene	13.74	128	219238	4.646	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	123443	4.724	ug/L	99

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

Data File : VU029446.D

Acq On : 14 Feb 2019 10:09

Operator : JC/SP

Sample : VSTDCCC005

Misc : 25.0mL/MSVOA U/WATER

```
ALS Vial      : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

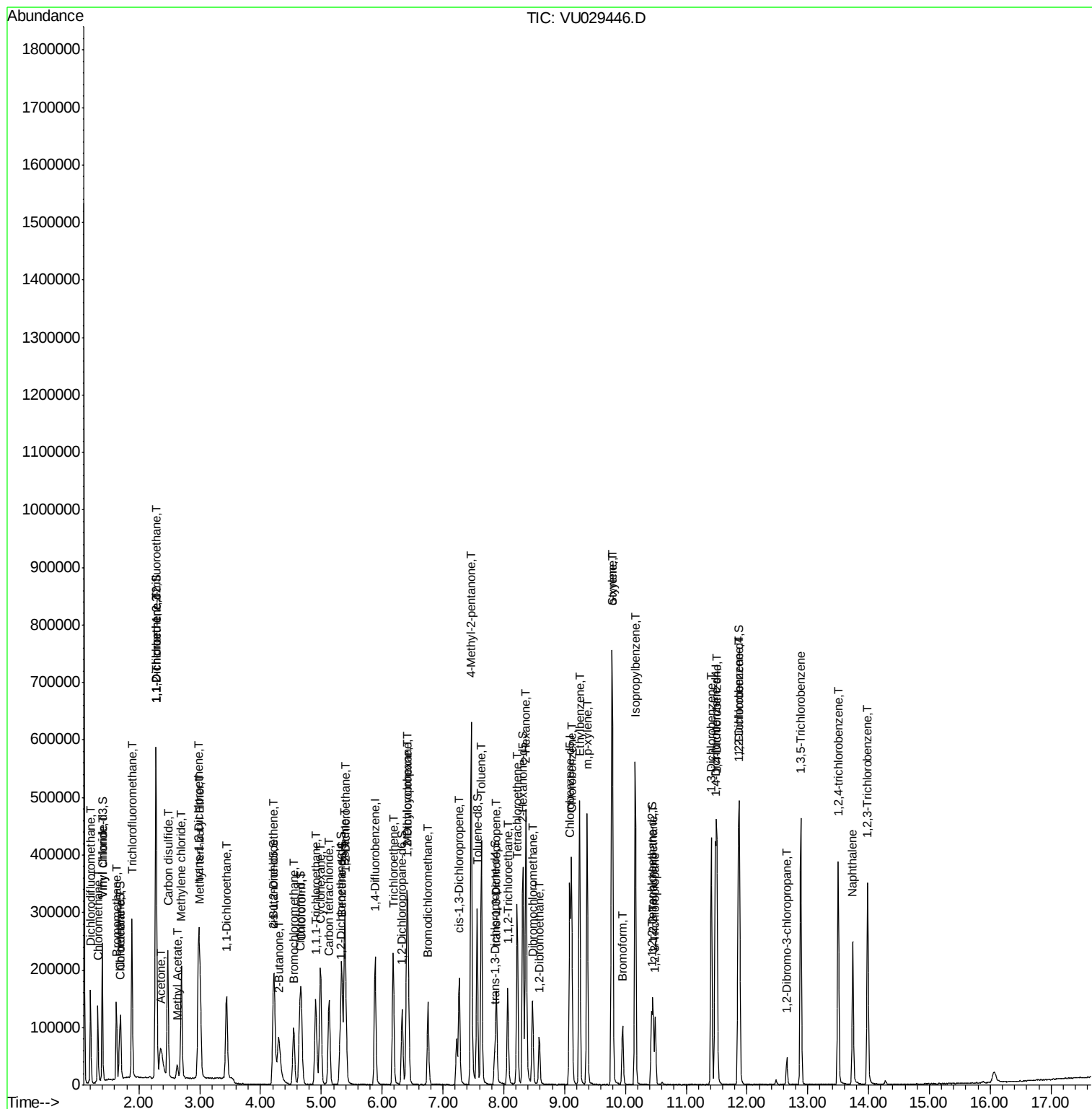
Quant Time: Feb 15 00:42:10 2019

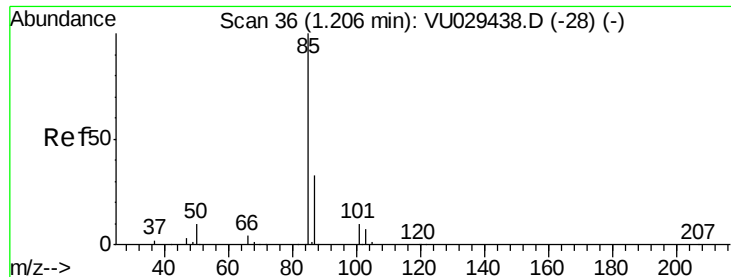
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR021219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Feb 14 00:18:32 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.835 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

Instrument :

MSVOA_U

ClientSampleId :

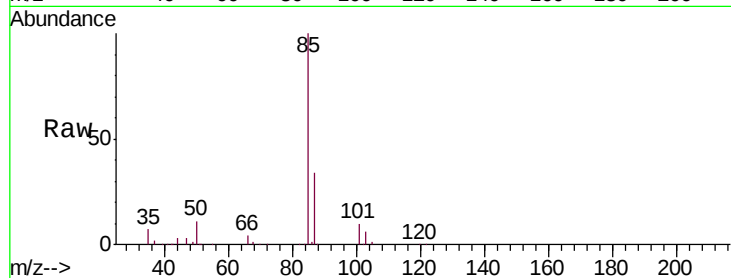
VSTD00555

Tgt Ion: 85 Resp: 87478

Ion Ratio Lower Upper

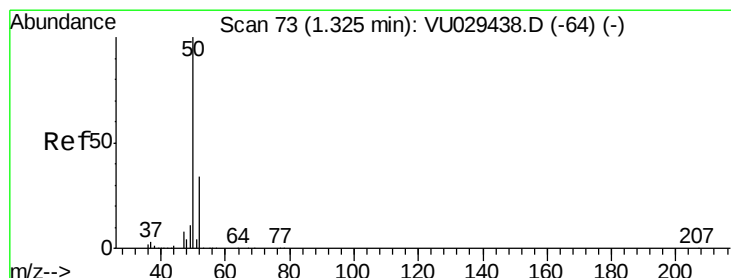
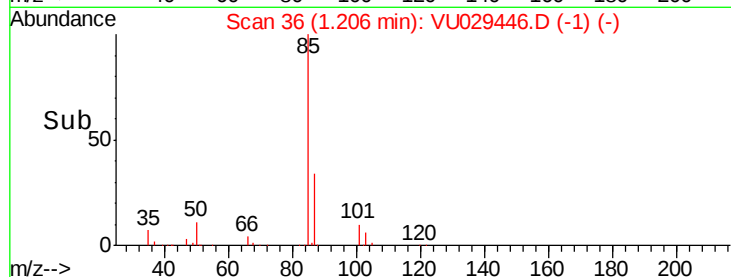
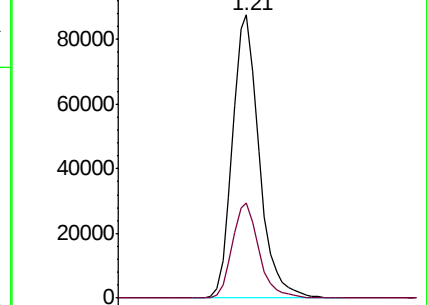
85 100

87 33.8 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU029438.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU029438.D (-28) (-)



#3

Chloromethane

Concen: 4.963 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029446.D

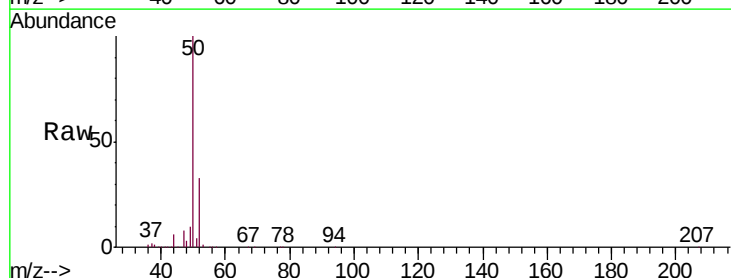
Acq: 14 Feb 2019 10:09

Tgt Ion: 50 Resp: 84737

Ion Ratio Lower Upper

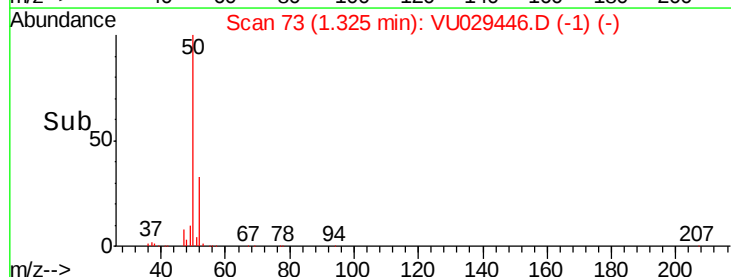
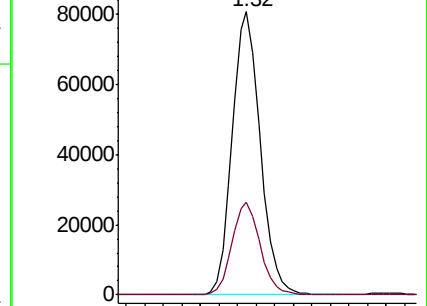
50 100

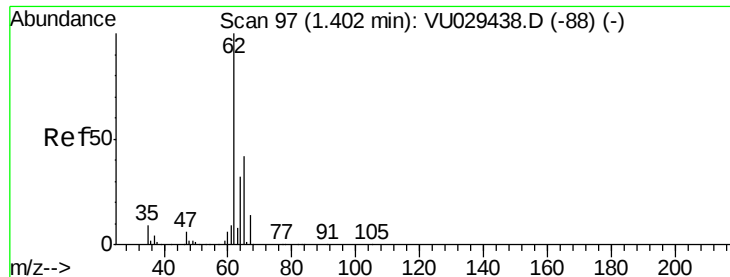
52 32.7 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU029438.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU029438.D (-64) (-)





#5

Vinyl chloride

Concen: 4.997 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

Instrument :

MSVOA_U

ClientSampleId :

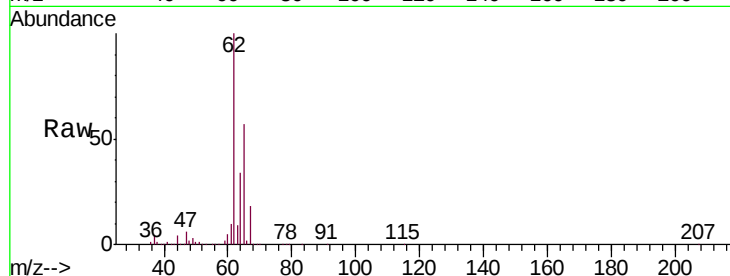
VSTD00555

Tgt Ion: 62 Resp: 99423

Ion Ratio Lower Upper

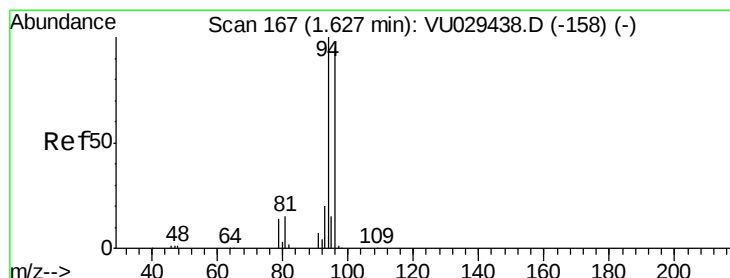
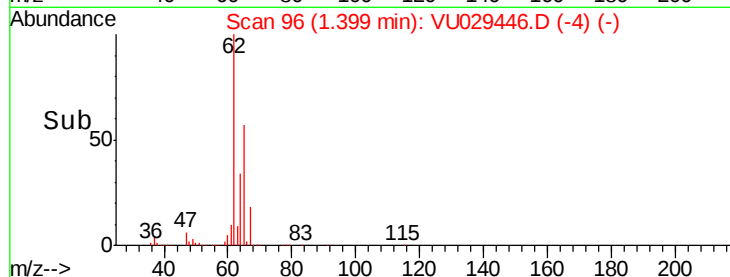
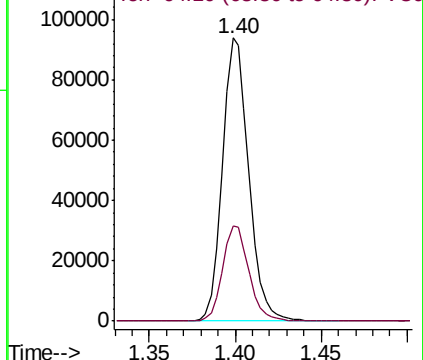
62 100

64 33.8 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.891 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU029446.D

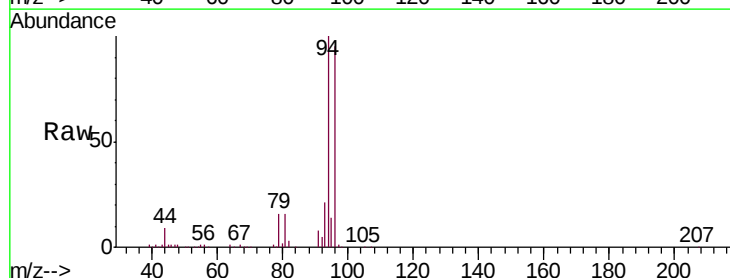
Acq: 14 Feb 2019 10:09

Tgt Ion: 94 Resp: 56766

Ion Ratio Lower Upper

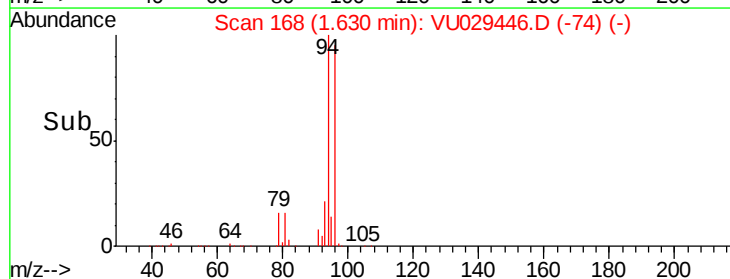
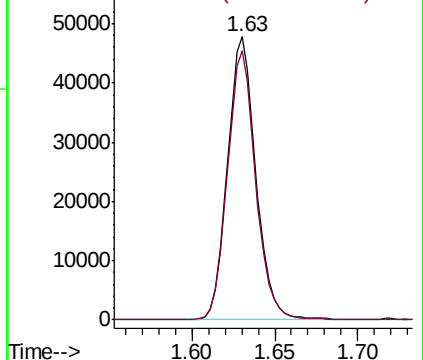
94 100

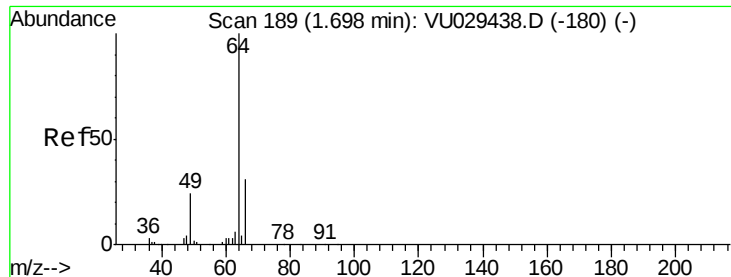
96 95.1 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.715 ug/L

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

Instrument :

MSVOA_U

ClientSampleId :

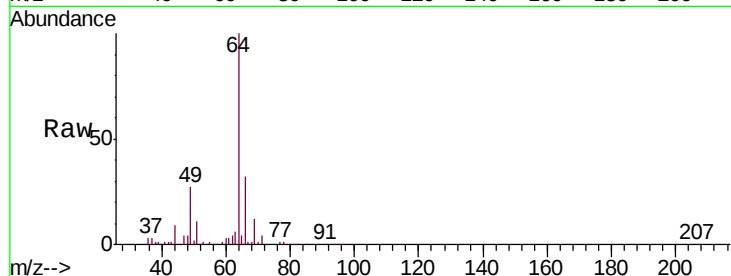
VSTD00555

Tgt Ion: 64 Resp: 61085

Ion Ratio Lower Upper

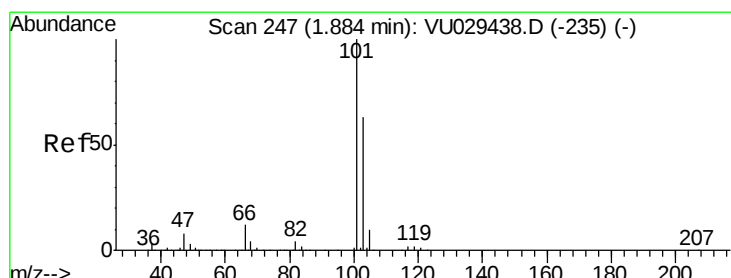
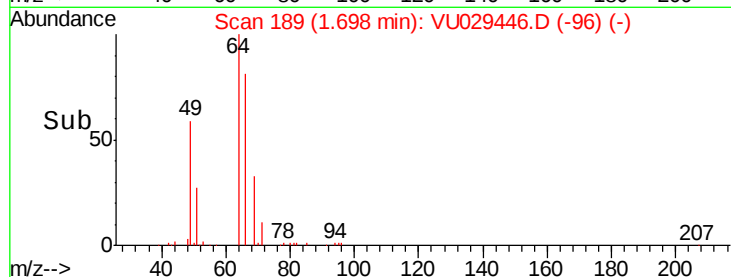
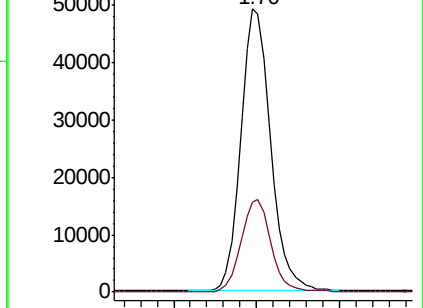
64 100

66 32.0 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VU029446.D (-96) (-)

Ion 66.05 (65.75 to 66.75): VU029446.D (-96) (-)



#9

Trichlorofluoromethane

Concen: 5.459 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU029446.D

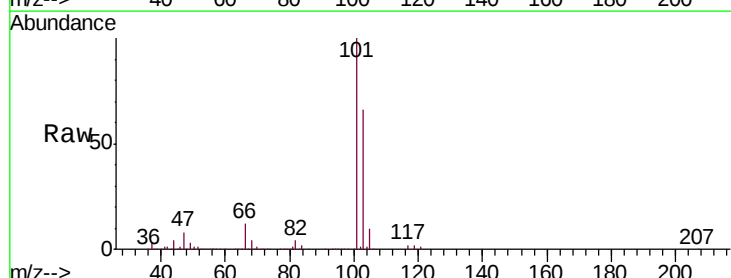
Acq: 14 Feb 2019 10:09

Tgt Ion: 101 Resp: 166249

Ion Ratio Lower Upper

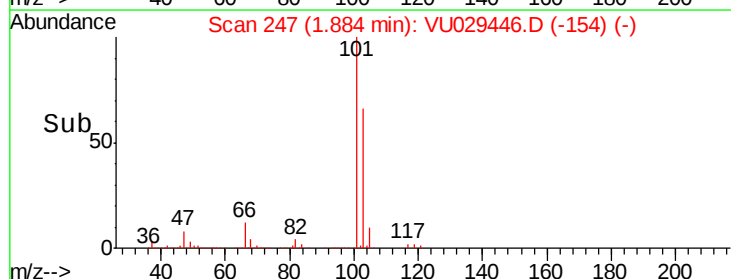
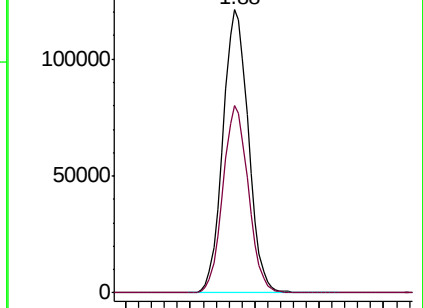
101 100

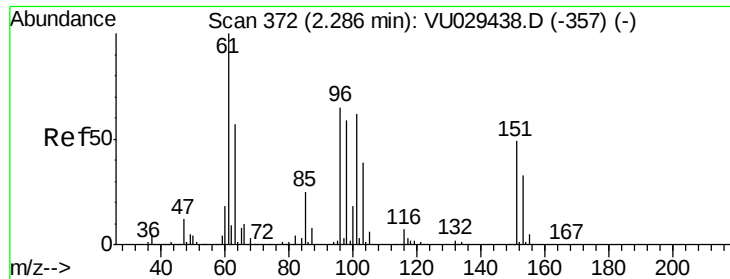
103 66.0 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VU029446.D (-154) (-)

Ion 103.00 (102.70 to 103.70): VU029446.D (-154) (-)





#10

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

Concen: 5.086 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

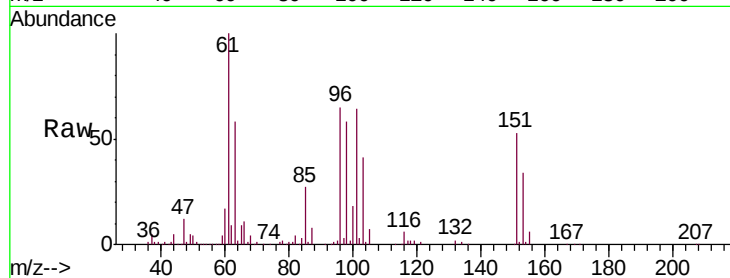
Tgt Ion:101 Resp: 91308

Ion Ratio Lower Upper

101 100

85 43.0 35.1 52.7

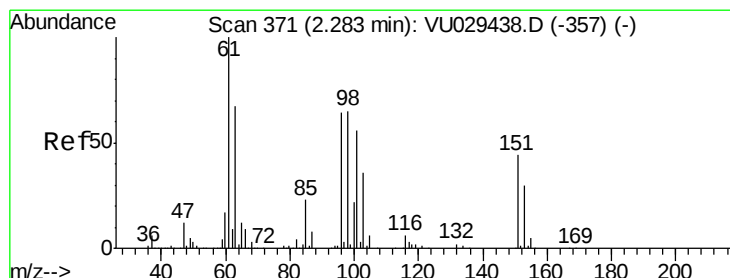
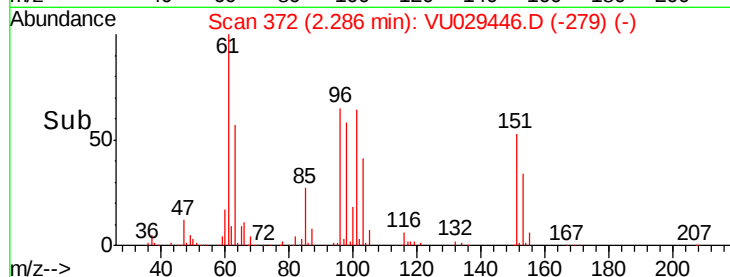
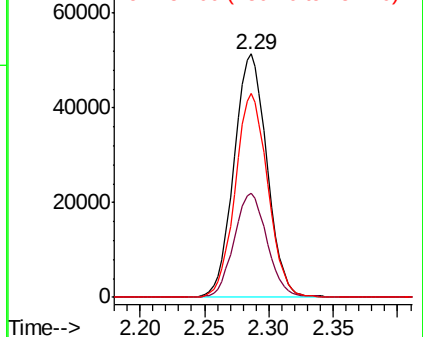
151 82.8 67.0 100.6



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: 5.003 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

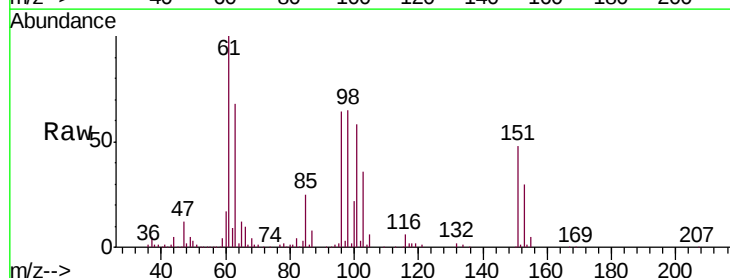
Tgt Ion: 96 Resp: 85061

Ion Ratio Lower Upper

96 100

61 155.2 115.1 213.7

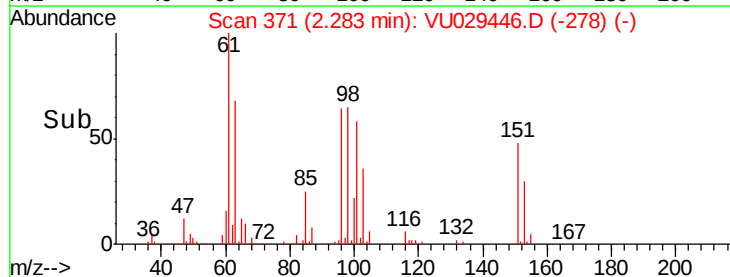
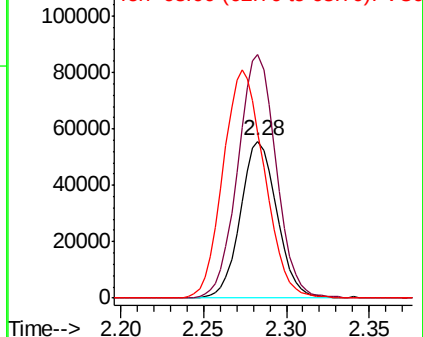
63 105.5 83.5 155.1

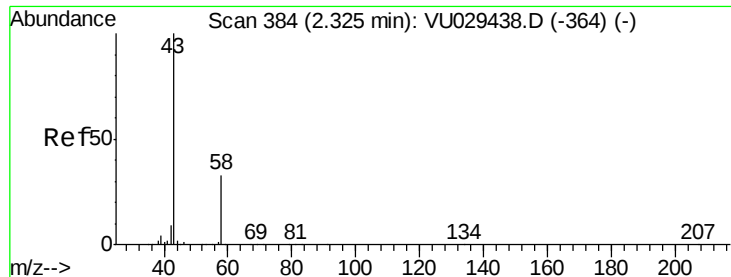


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 52.422 ug/L

RT: 2.36 min Scan# 394

Delta R.T. 0.03 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

Instrument :

MSVOA_U

ClientSampleId :

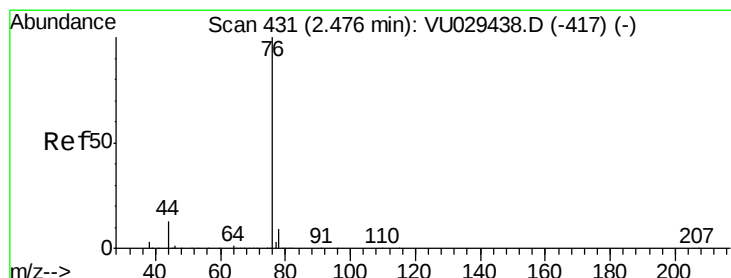
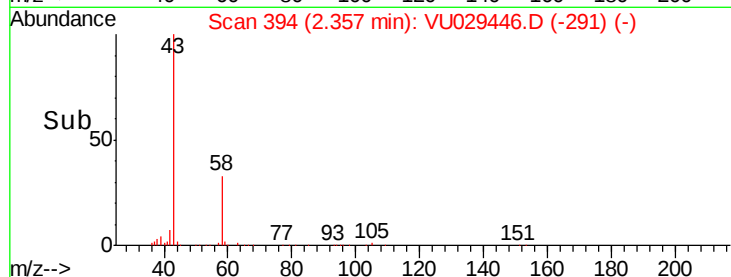
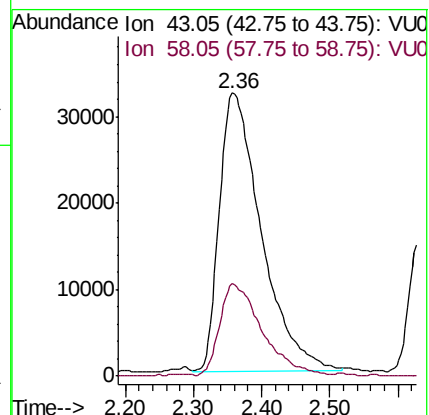
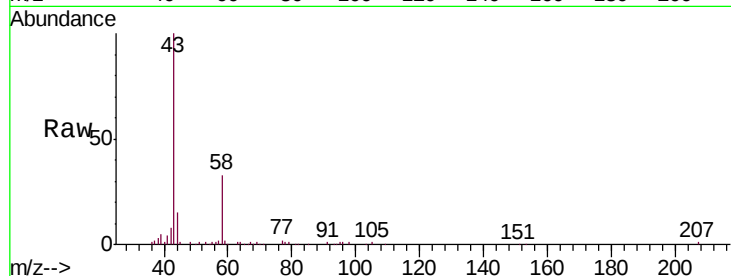
VSTD00555

Tgt Ion: 43 Resp: 137440

Ion Ratio Lower Upper

43 100

58 33.2 0.0 65.0



#14

Carbon disulfide

Concen: 4.790 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU029446.D

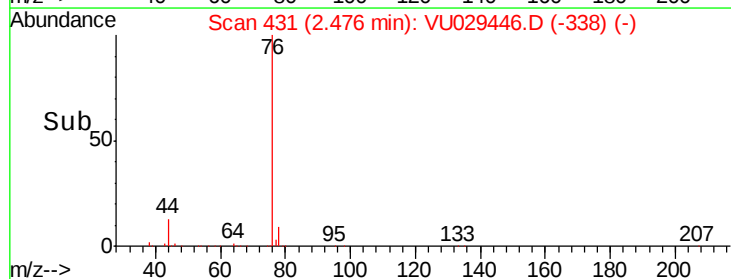
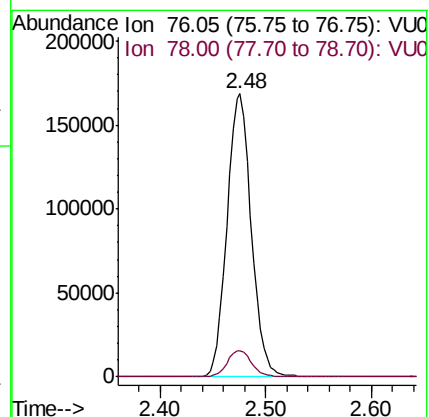
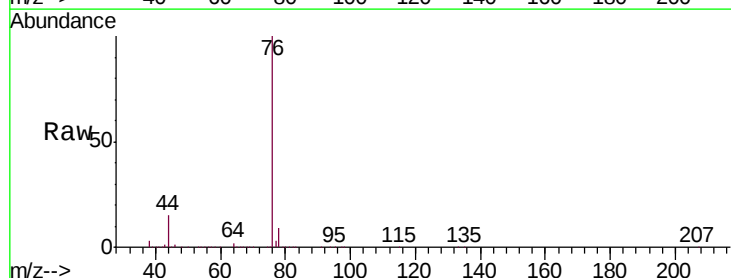
Acq: 14 Feb 2019 10:09

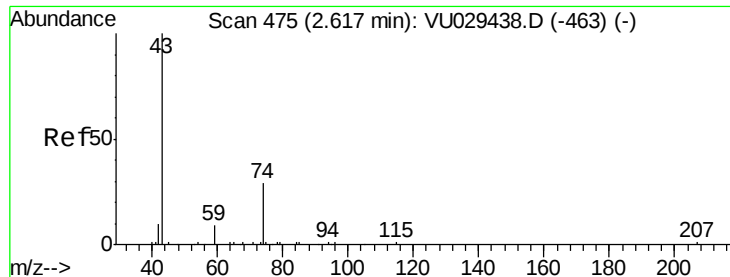
Tgt Ion: 76 Resp: 268309

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

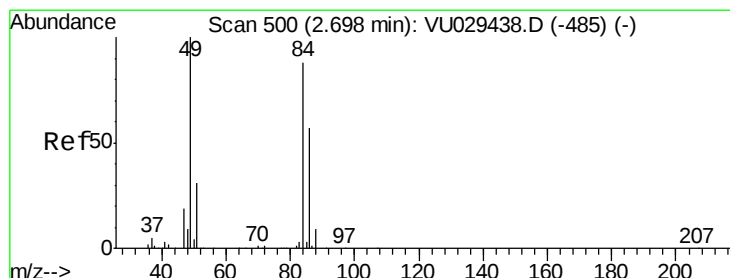
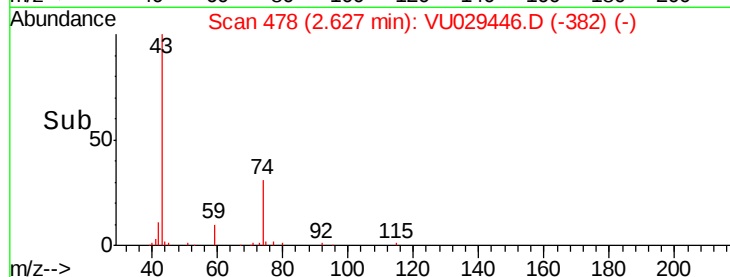
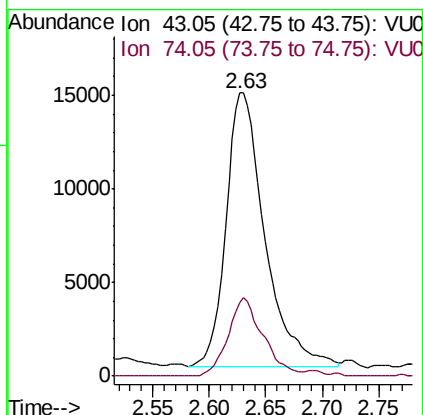
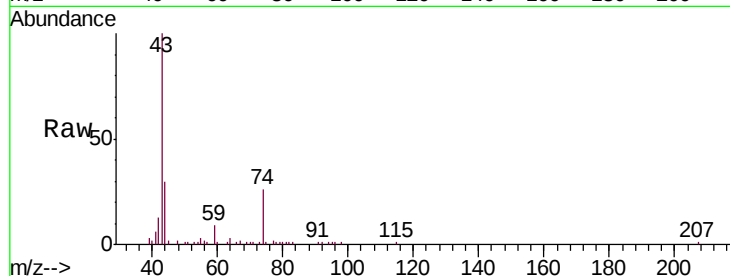




#15
Methyl Acetate
Concen: 5.213 ug/L
RT: 2.63 min Scan# 478
Delta R.T. 0.01 min
Lab File: VU029446.D
Acq: 14 Feb 2019 10:09

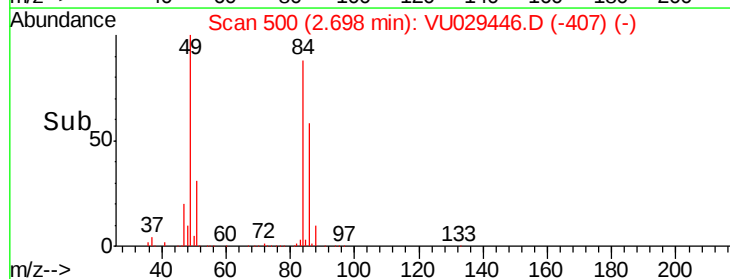
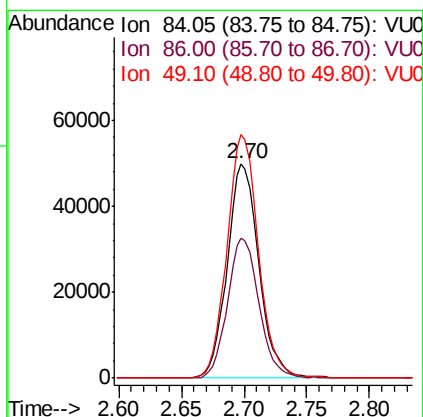
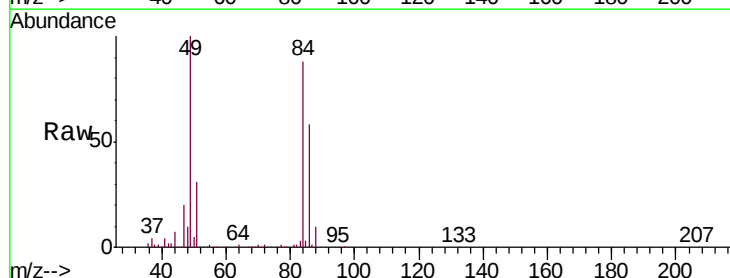
Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

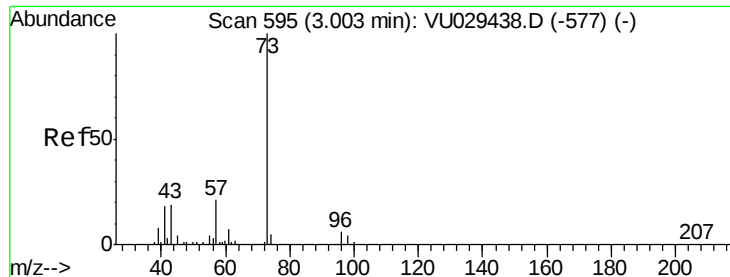
Tgt Ion: 43 Resp: 35015
Ion Ratio Lower Upper
43 100
74 25.7 22.3 33.5



#16
Methylene chloride
Concen: 4.585 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029446.D
Acq: 14 Feb 2019 10:09

Tgt Ion: 84 Resp: 87602
Ion Ratio Lower Upper
84 100
86 65.3 45.1 83.9
49 113.5 81.8 151.8





#17

Methyl tert-butyl Ether

Concen: 4.986 ug/L

RT: 3.01 min Scan# 596

Delta R.T. 0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

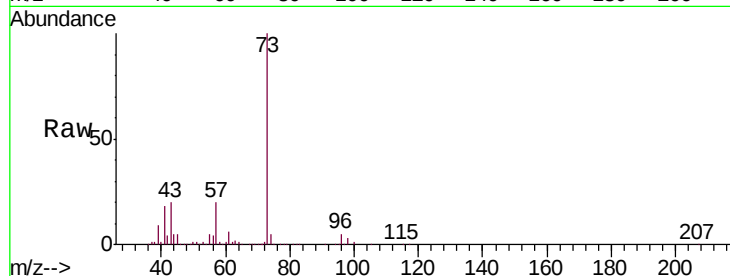
Tgt Ion: 73 Resp: 212256

Ion Ratio Lower Upper

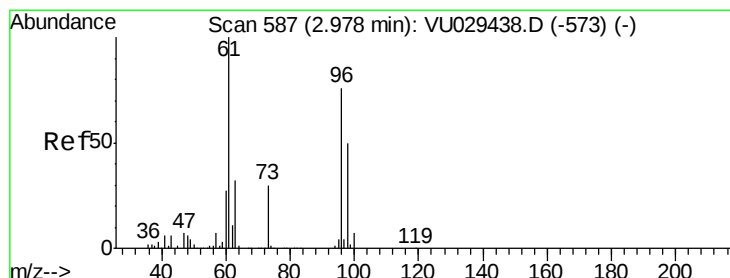
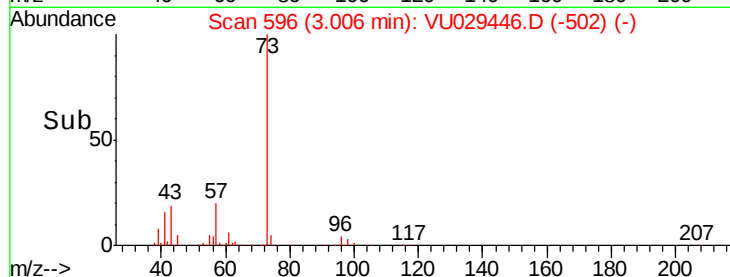
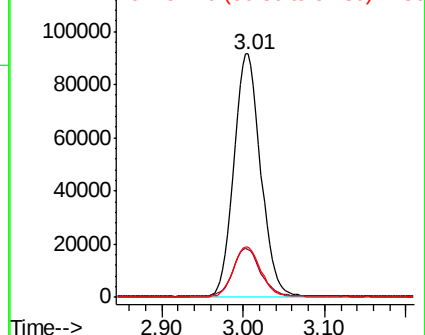
73 100

43 19.6 16.0 24.0

57 20.9 16.9 25.3



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0



#18

trans-1,2-Dichloroethene

Concen: 4.951 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

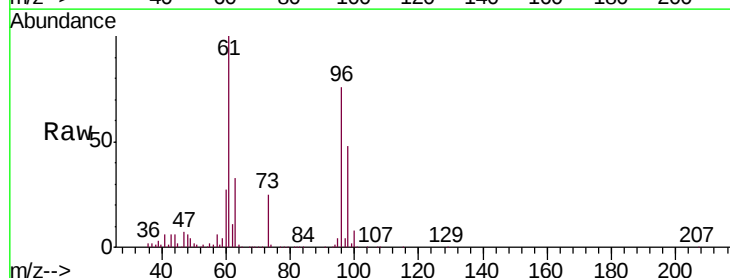
Tgt Ion: 96 Resp: 89758

Ion Ratio Lower Upper

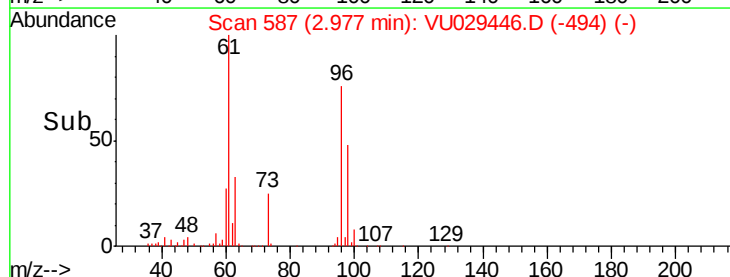
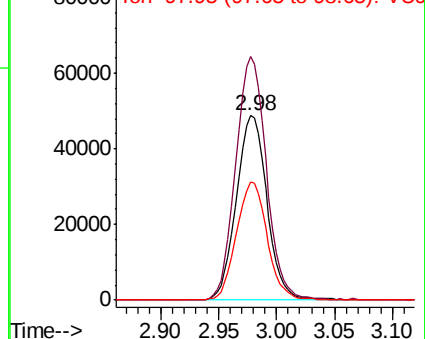
96 100

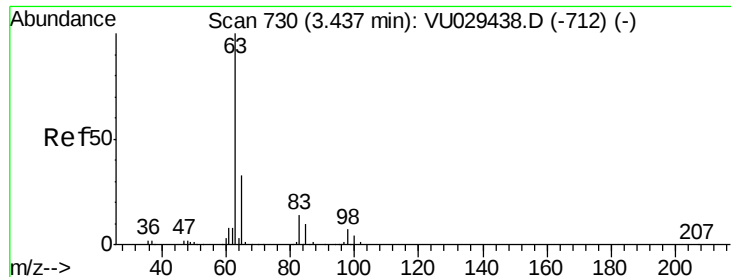
61 131.9 95.4 177.2

98 63.7 45.8 85.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 5.590 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

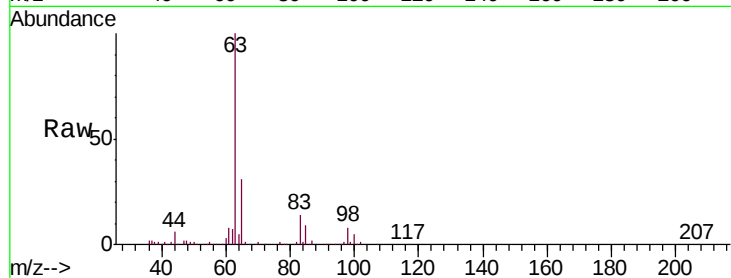
Tgt Ion: 63 Resp: 152676

Ion Ratio Lower Upper

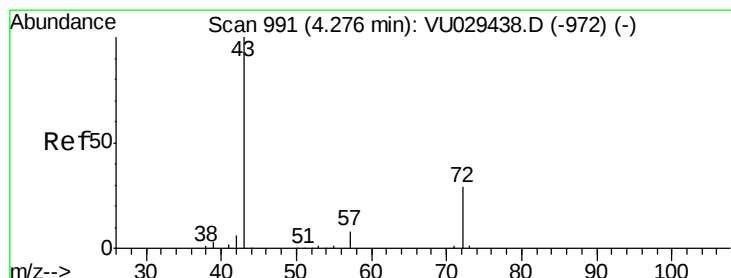
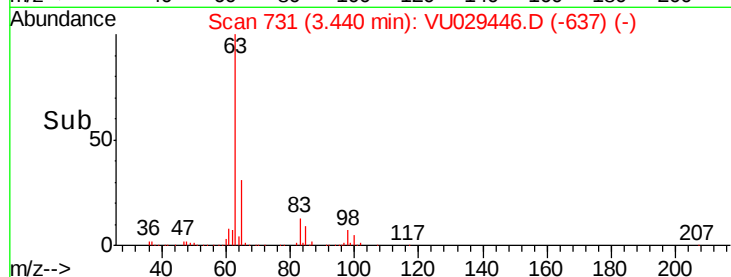
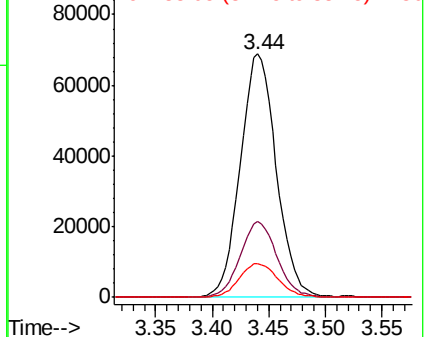
63 100

65 31.1 23.5 43.7

83 13.7 10.3 19.1



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 52.637 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.02 min

Lab File: VU029446.D

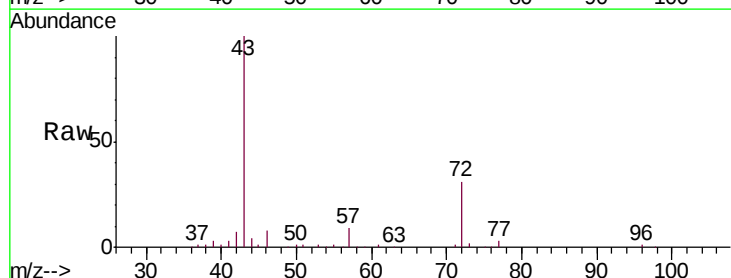
Acq: 14 Feb 2019 10:09

Tgt Ion: 43 Resp: 170530

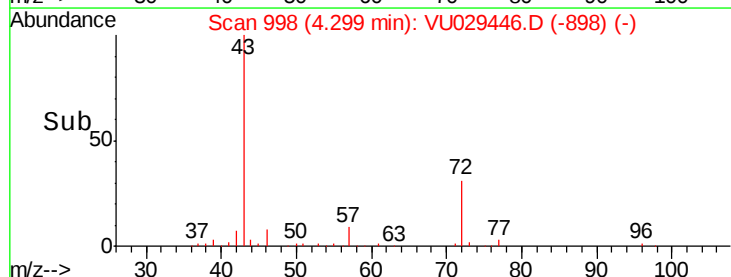
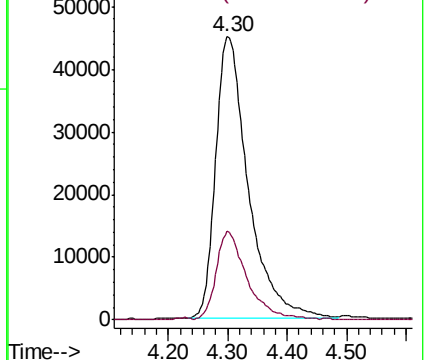
Ion Ratio Lower Upper

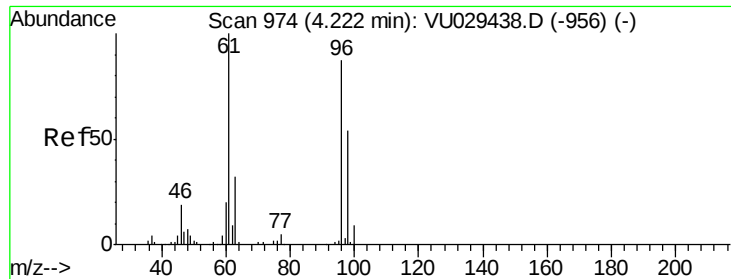
43 100

72 29.3 14.7 44.1



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0



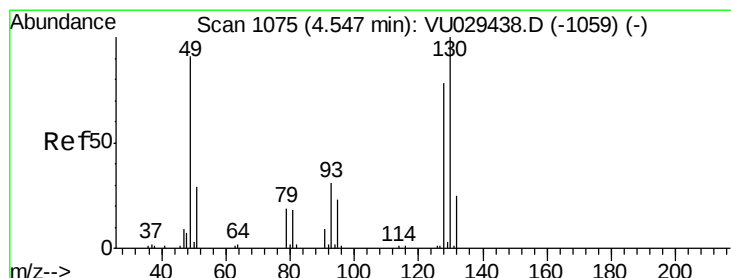
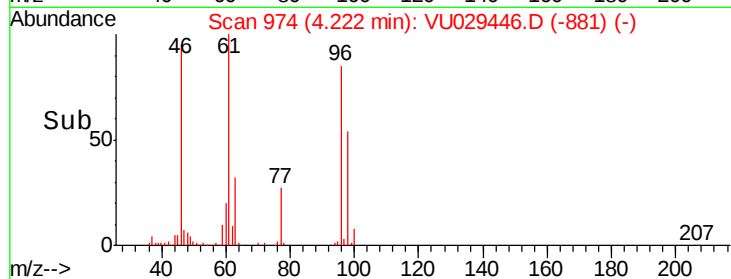
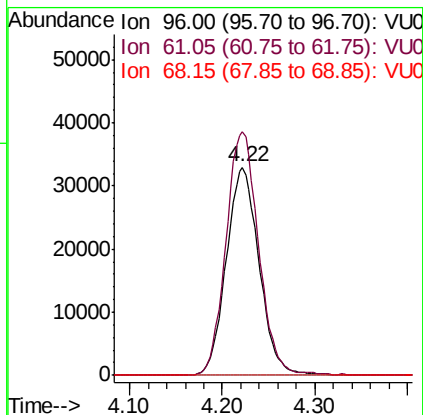
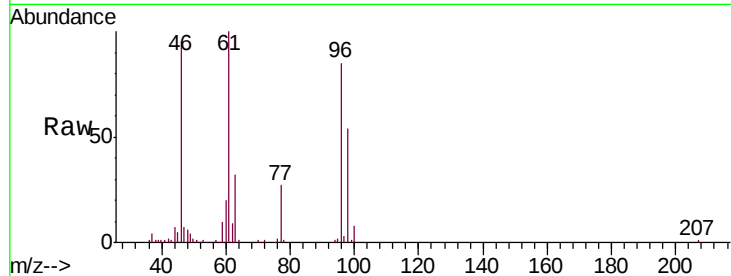


#22

cis-1,2-Dichloroethene
Concen: 4.866 ug/L
RT: 4.22 min Scan# 974
Delta R.T. -0.00 min
Lab File: VU029446.D
Acq: 14 Feb 2019 10:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

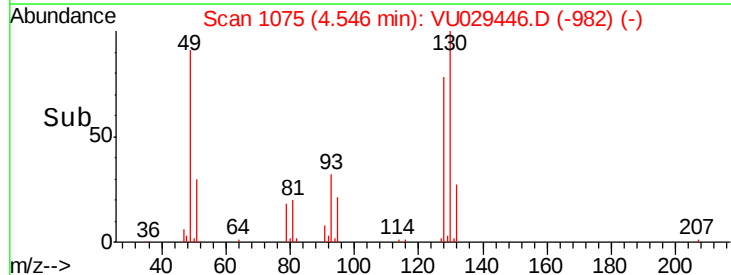
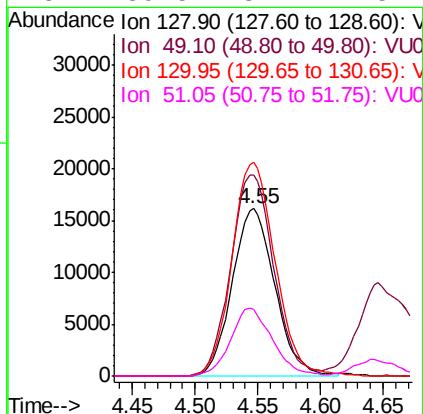
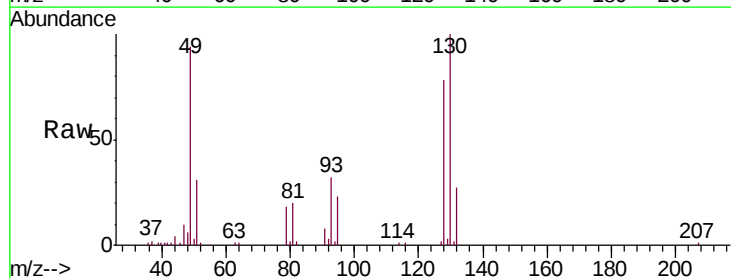
Tgt Ion: 96 Resp: 81147
Ion Ratio Lower Upper
96 100
61 117.2 79.9 148.5
68 0.0 0.0 0.0

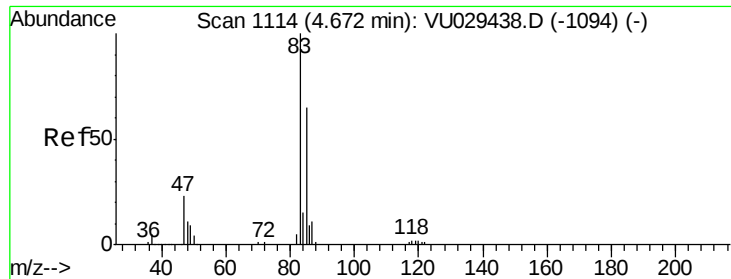


#23

Bromochloromethane
Concen: 5.078 ug/L
RT: 4.55 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VU029446.D
Acq: 14 Feb 2019 10:09

Tgt Ion: 128 Resp: 38228
Ion Ratio Lower Upper
128 100
49 120.0 89.0 165.4
130 127.8 88.0 163.4
51 39.5 32.1 48.1





#25

Chloroform

Concen: 4.785 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

Instrument :

MSVOA_U

ClientSampleId :

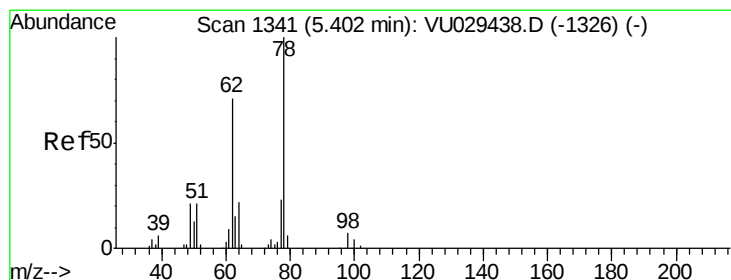
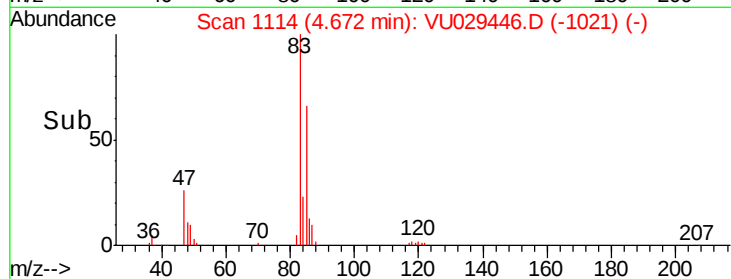
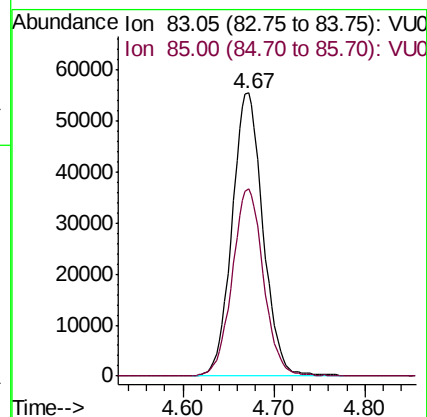
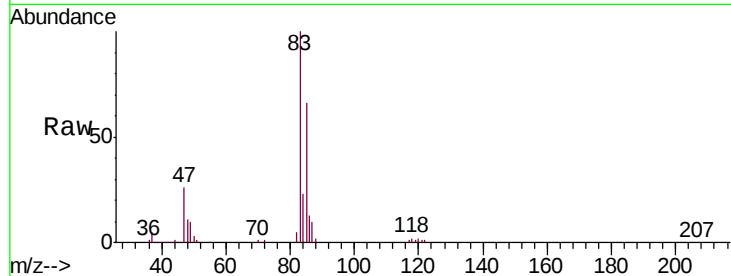
VSTD00555

Tgt Ion: 83 Resp: 130748

Ion Ratio Lower Upper

83 100

85 66.0 47.8 88.8



#27

1,2-Dichloroethane

Concen: 4.941 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029446.D

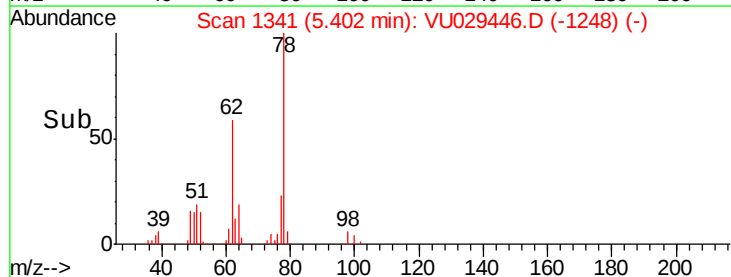
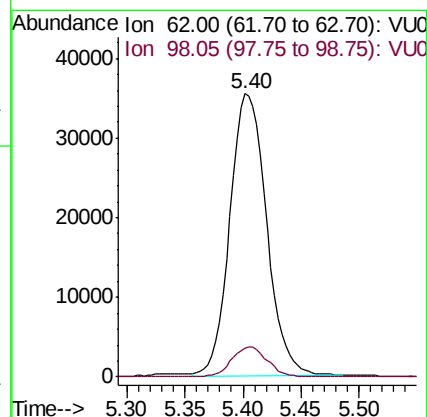
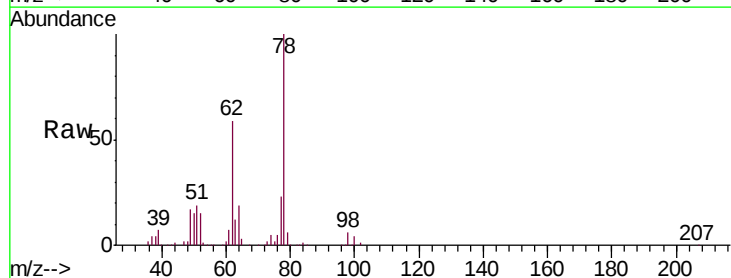
Acq: 14 Feb 2019 10:09

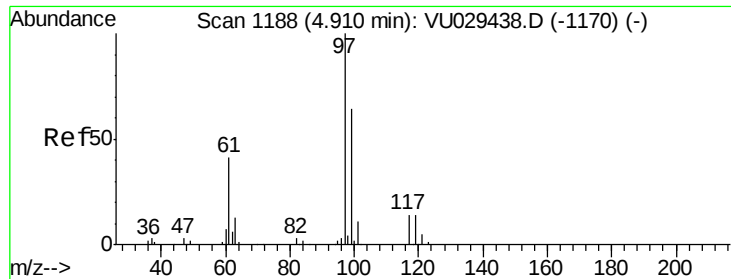
Tgt Ion: 62 Resp: 78136

Ion Ratio Lower Upper

62 100

98 10.0 8.4 12.6

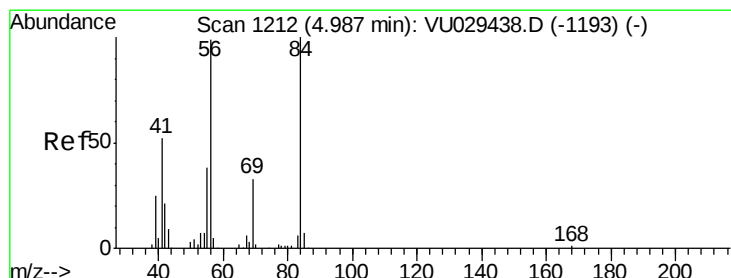
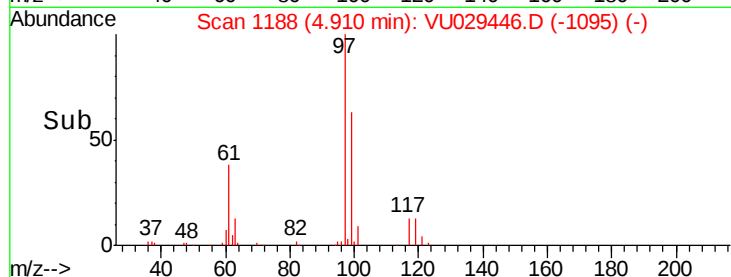
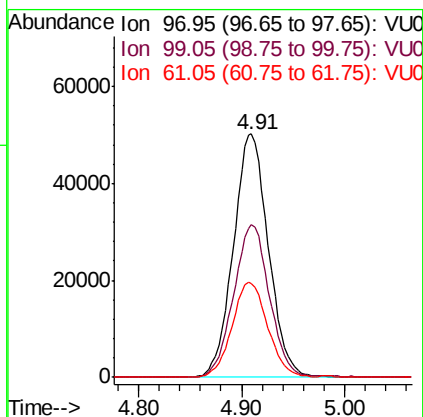
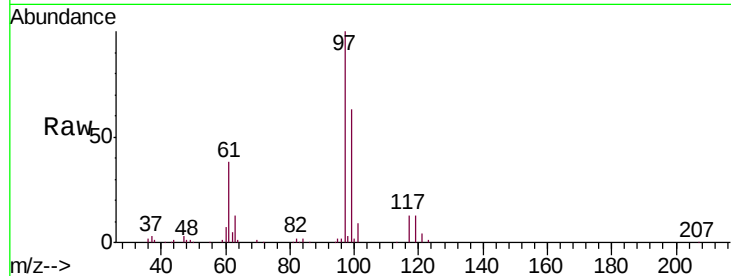




#29
 1,1,1-Trichloroethane
 Concen: 4.841 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU029446.D
 Acq: 14 Feb 2019 10:09

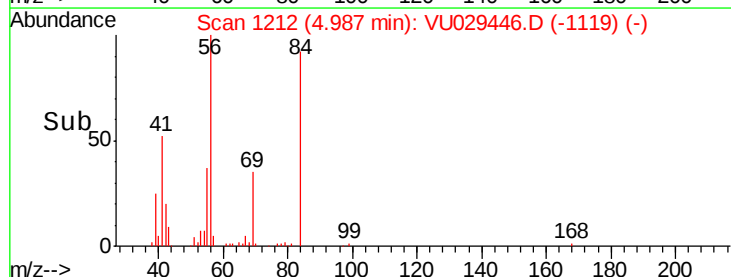
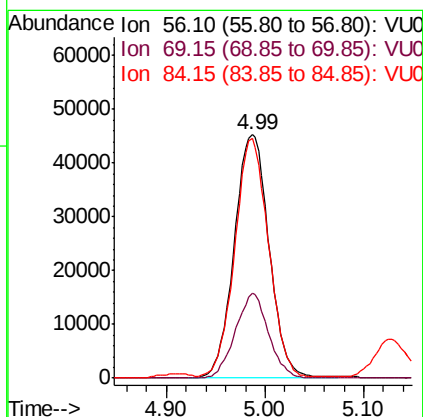
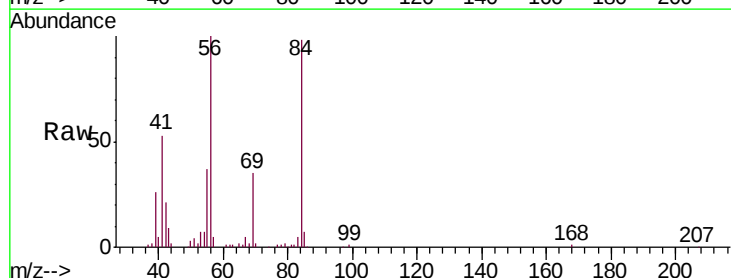
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

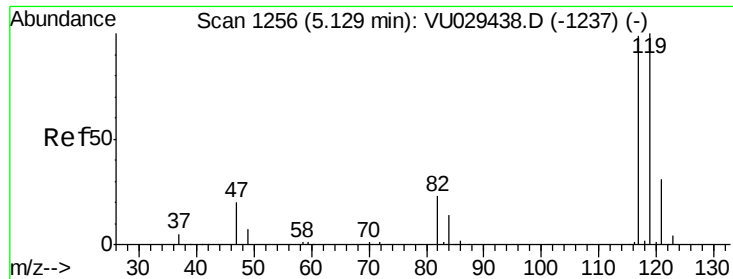
Tgt Ion: 97 Resp: 118624
 Ion Ratio Lower Upper
 97 100
 99 64.5 52.2 78.2
 61 39.9 32.0 48.0



#30
 Cyclohexane
 Concen: 4.734 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: VU029446.D
 Acq: 14 Feb 2019 10:09

Tgt Ion: 56 Resp: 111156
 Ion Ratio Lower Upper
 56 100
 69 32.8 25.8 38.6
 84 95.8 75.0 112.6





#31

Carbon tetrachloride

Concen: 4.868 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

Instrument :

MSVOA_U

ClientSampleId :

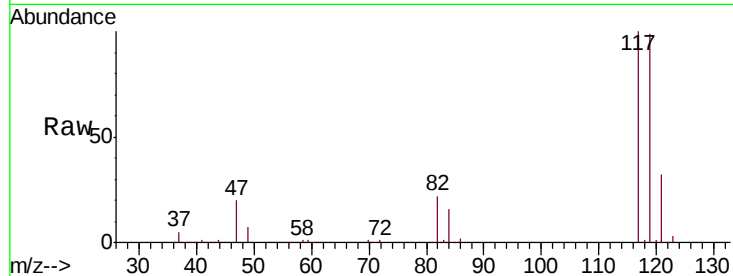
VSTD00555

Tgt Ion:117 Resp: 107784

Ion Ratio Lower Upper

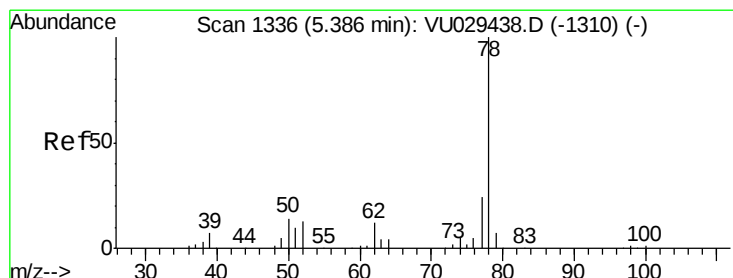
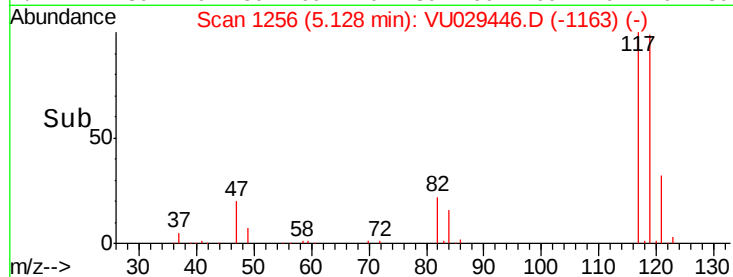
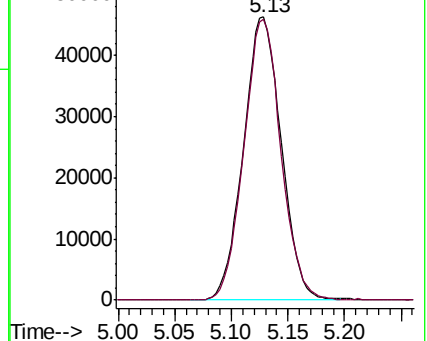
117 100

119 97.1 78.1 117.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.758 ug/L

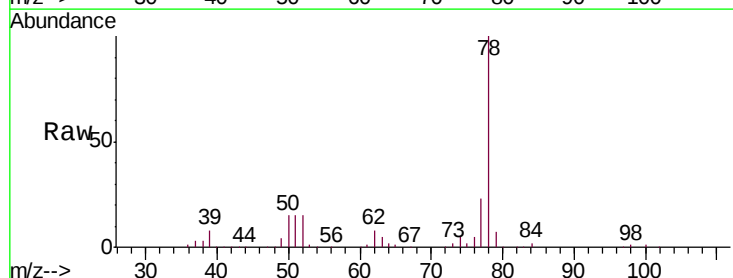
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

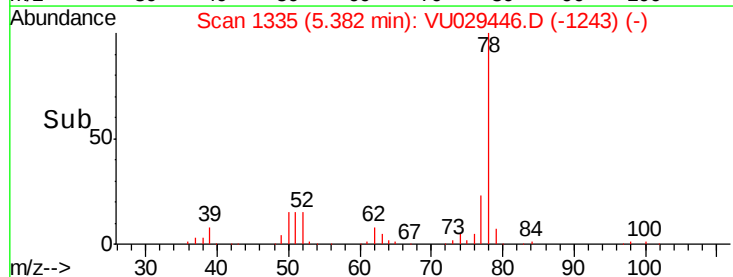
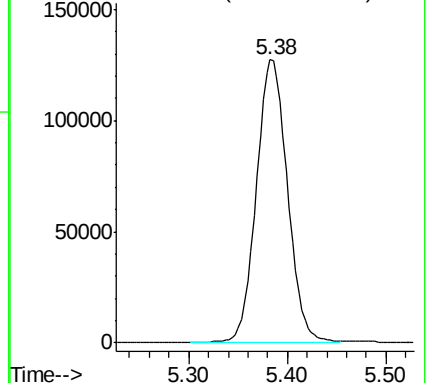
Lab File: VU029446.D

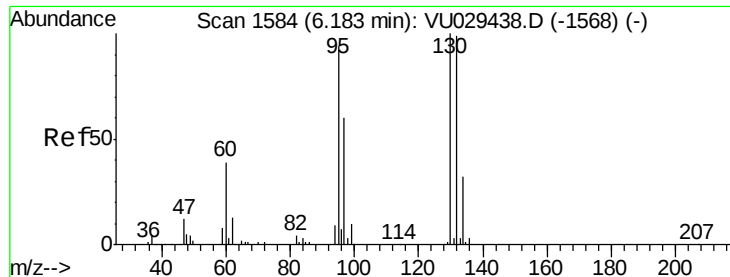
Acq: 14 Feb 2019 10:09

Tgt Ion: 78 Resp: 277491



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.834 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

Tgt Ion: 95 Resp: 79267

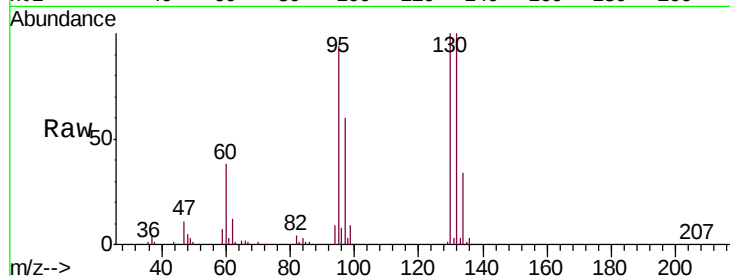
Ion Ratio Lower Upper

95 100

97 64.1 46.3 86.1

132 106.5 72.9 135.3

130 106.6 79.2 147.0

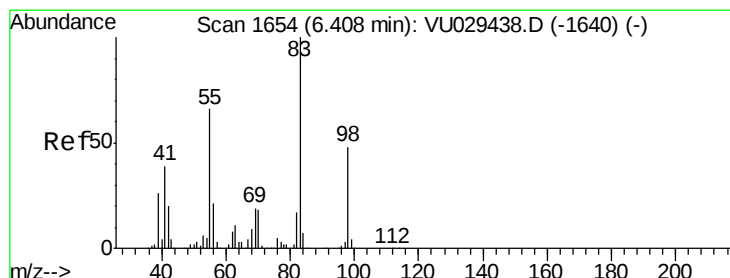
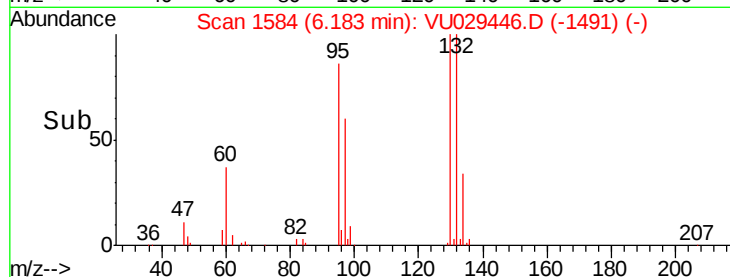
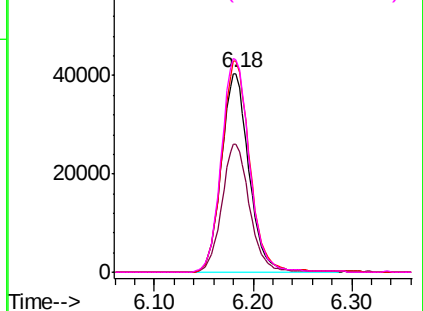


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.753 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

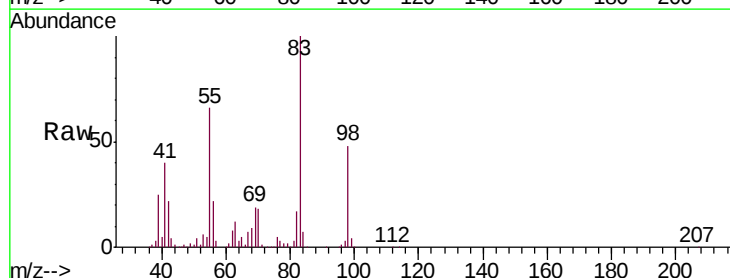
Tgt Ion: 83 Resp: 131118

Ion Ratio Lower Upper

83 100

55 68.0 55.9 83.9

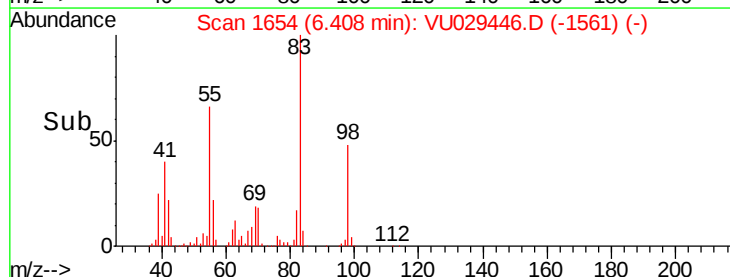
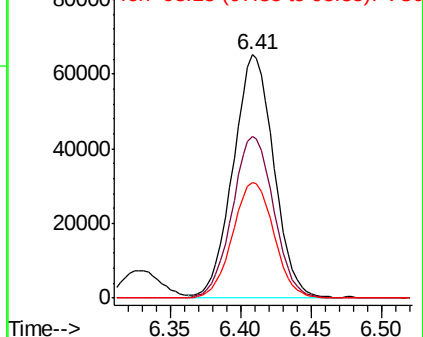
98 48.7 38.6 57.8

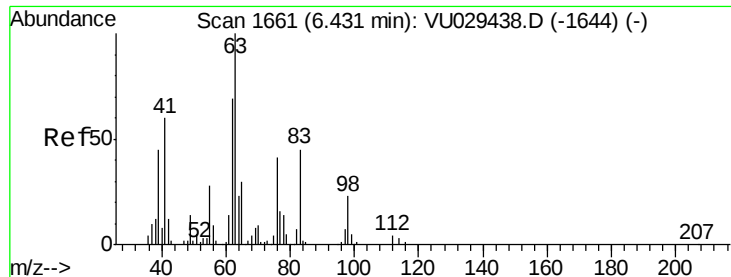


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.939 ug/L

RT: 6.43 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

Instrument :

MSVOA_U

ClientSampleId :

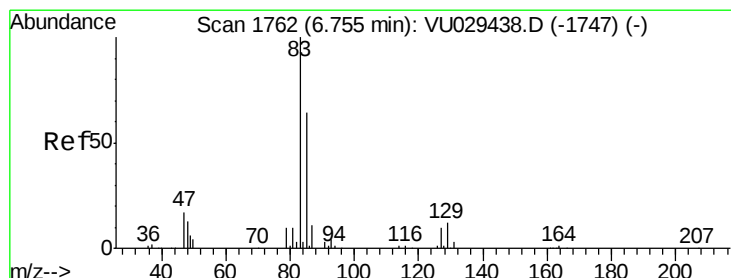
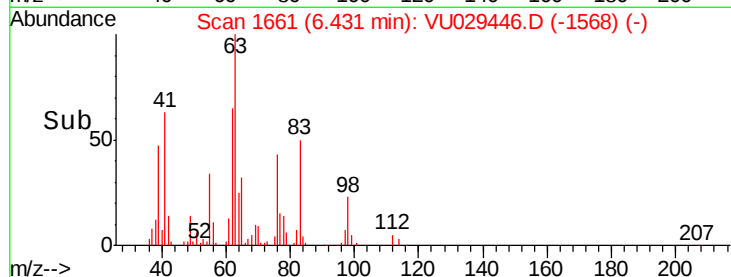
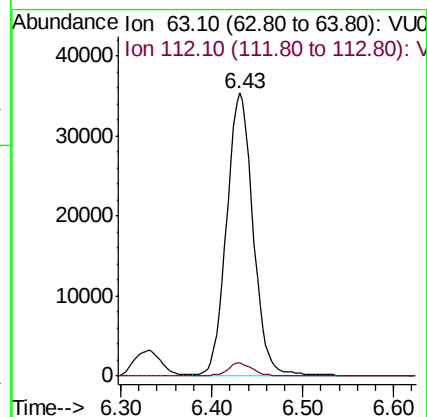
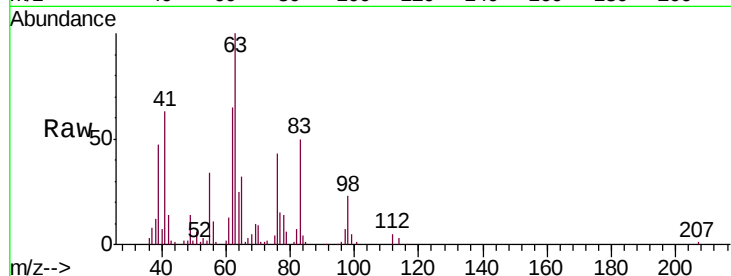
VSTD00555

Tgt Ion: 63 Resp: 72141

Ion Ratio Lower Upper

63 100

112 4.3 3.5 5.3



#38

Bromodichloromethane

Concen: 4.867 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

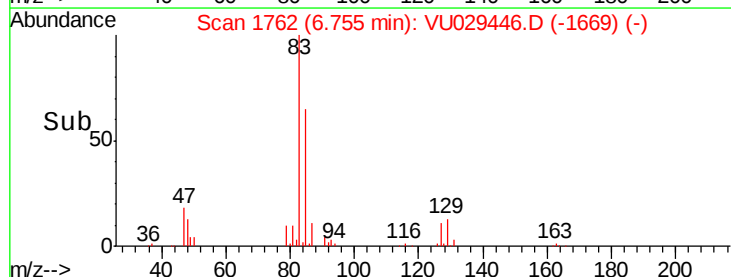
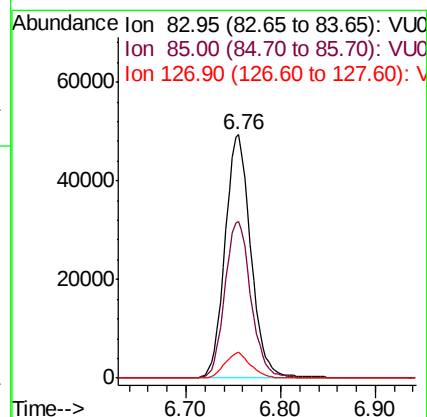
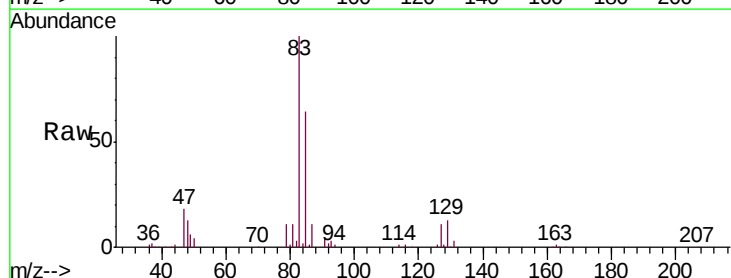
Tgt Ion: 83 Resp: 93949

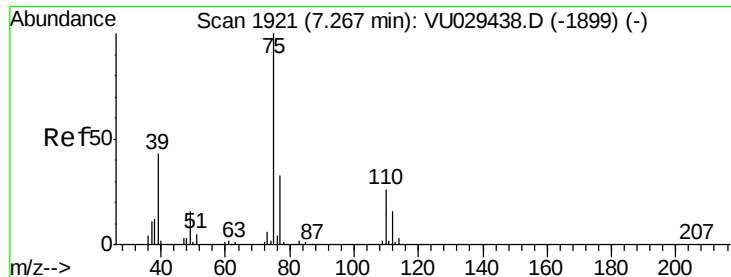
Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.7

127 10.5 7.8 11.8



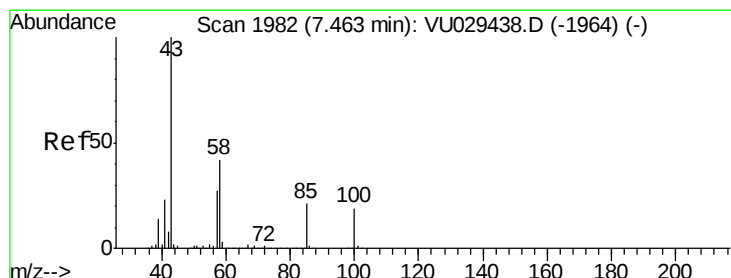
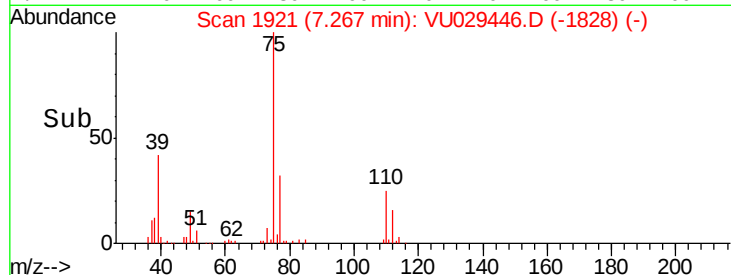
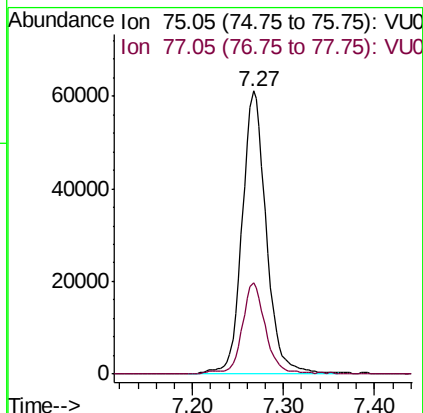
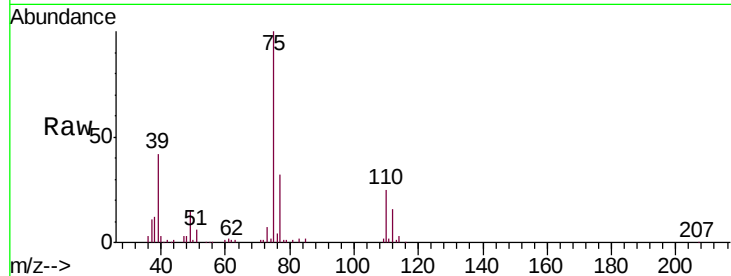


#39

cis-1,3-Dichloropropene
 Concen: 4.905 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029446.D
 Acq: 14 Feb 2019 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

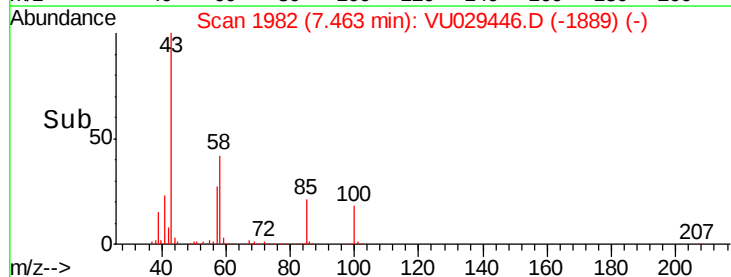
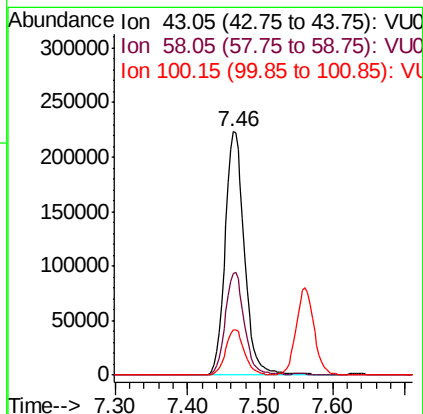
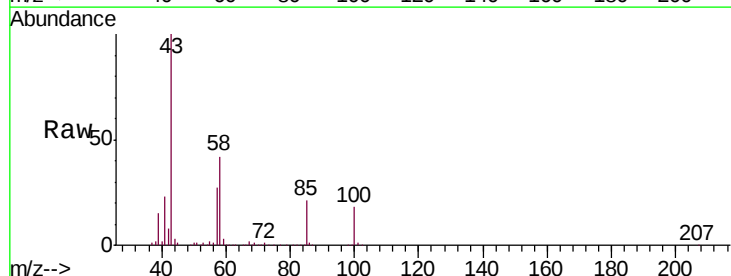
Tgt Ion: 75 Resp: 112764
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.3 41.3

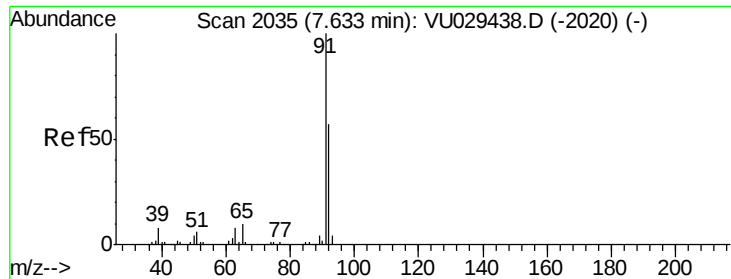


#40

4-Methyl-2-pentanone
 Concen: 48.958 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VU029446.D
 Acq: 14 Feb 2019 10:09

Tgt Ion: 43 Resp: 412206
 Ion Ratio Lower Upper
 43 100
 58 41.8 33.4 50.2
 100 18.3 14.4 21.6





#42

Toluene

Concen: 4.894 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

Instrument :

MSVOA_U

ClientSampleId :

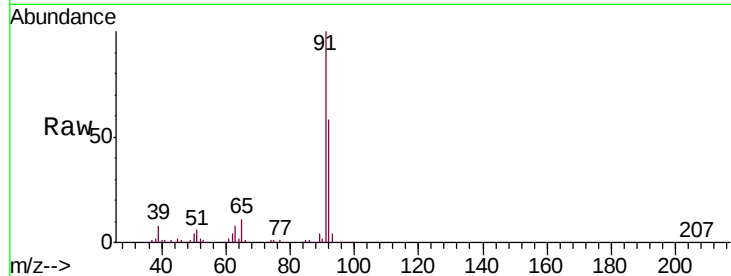
VSTD00555

Tgt Ion: 91 Resp: 320346

Ion Ratio Lower Upper

91 100

92 58.1 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU029438.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU029438.D (-2020) (-)

7.63

200000

150000

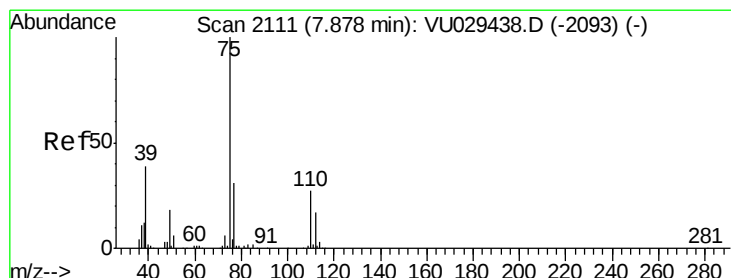
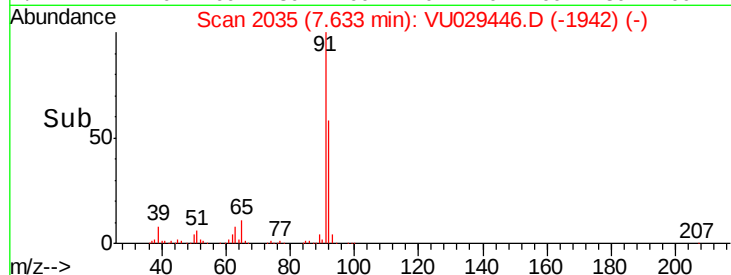
100000

50000

0

7.60 7.70 7.80

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.889 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029446.D

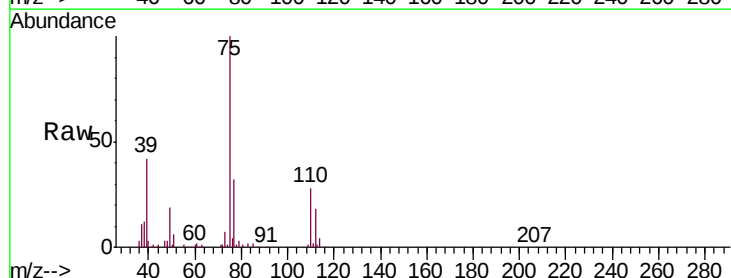
Acq: 14 Feb 2019 10:09

Tgt Ion: 75 Resp: 92296

Ion Ratio Lower Upper

75 100

77 32.5 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VU029438.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU029438.D (-2093) (-)

7.88

60000

50000

40000

30000

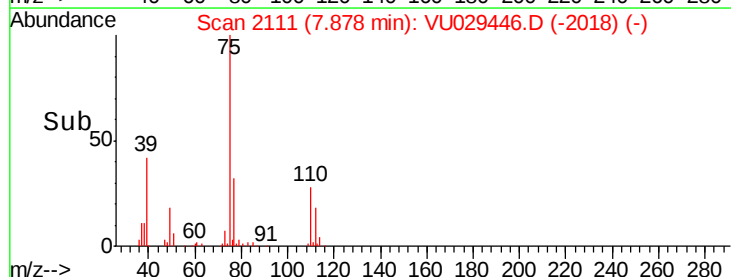
20000

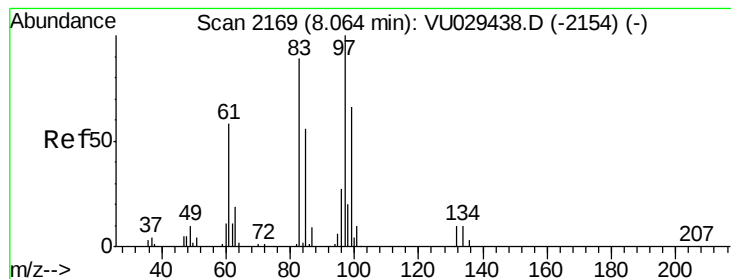
10000

0

7.80 7.90 8.00

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.872 ug/L

RT: 8.07 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

Tgt Ion: 97 Resp: 54515

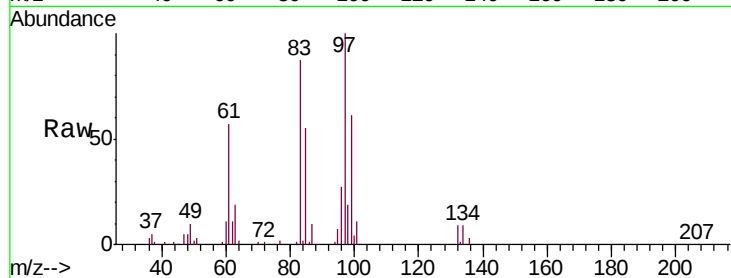
Ion Ratio Lower Upper

97 100

99 60.9 41.6 77.2

83 87.0 55.8 103.6

85 55.2 37.2 69.0

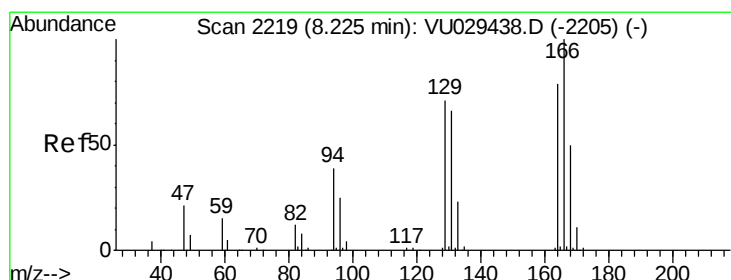
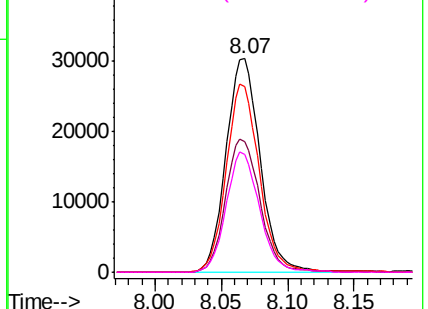
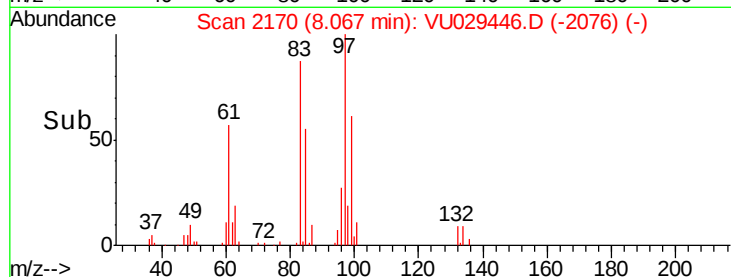


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.970 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

Tgt Ion: 164 Resp: 74640

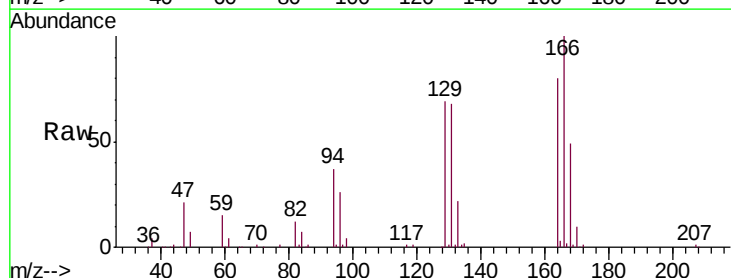
Ion Ratio Lower Upper

164 100

129 86.2 62.9 116.9

131 85.0 62.1 115.3

166 125.4 89.8 166.8

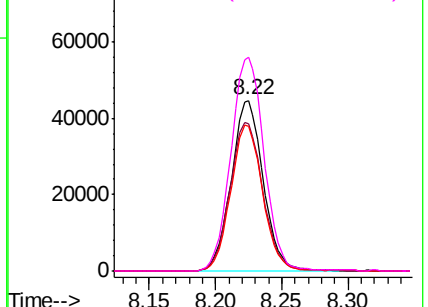
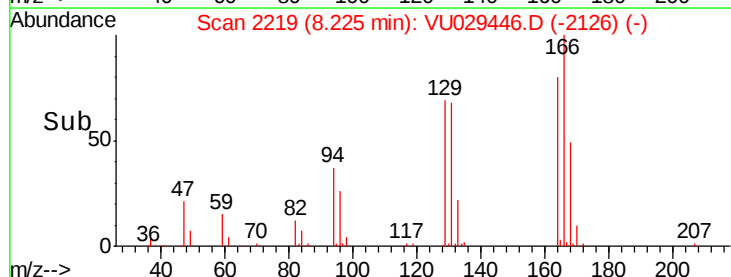


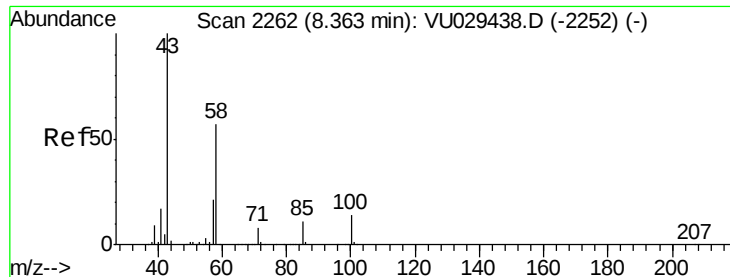
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

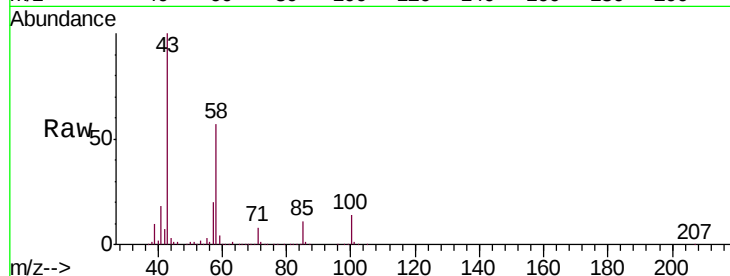




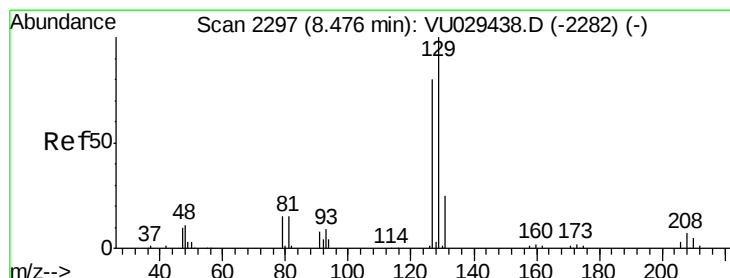
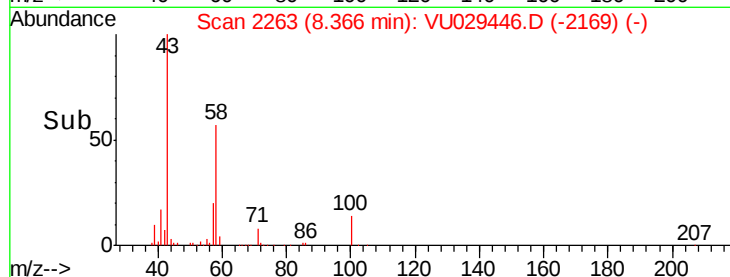
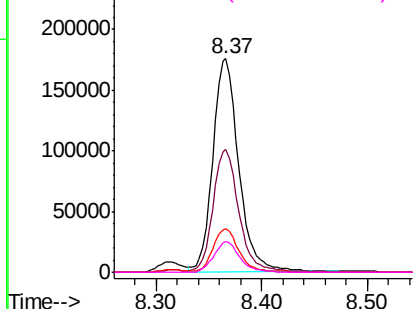
#48
2-Hexanone
Concen: 48.814 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU029446.D
Acq: 14 Feb 2019 10:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

Tgt Ion: 43 Resp: 299547
Ion Ratio Lower Upper
43 100
58 57.0 45.7 68.5
57 20.1 16.4 24.6
100 14.2 11.1 16.7

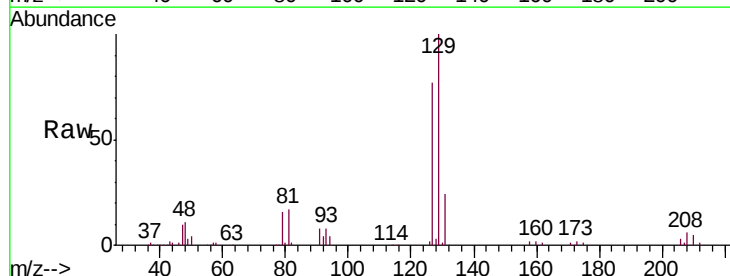


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

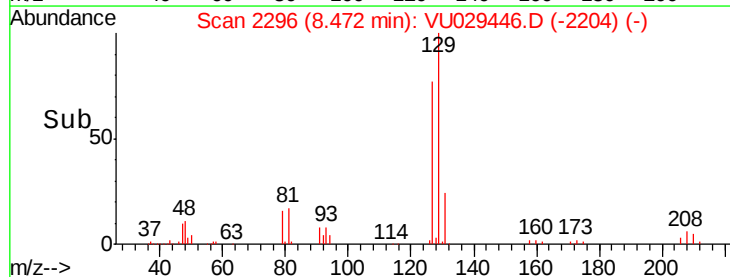
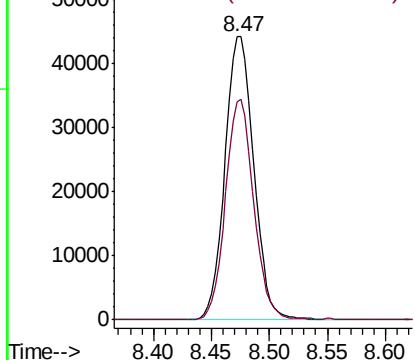


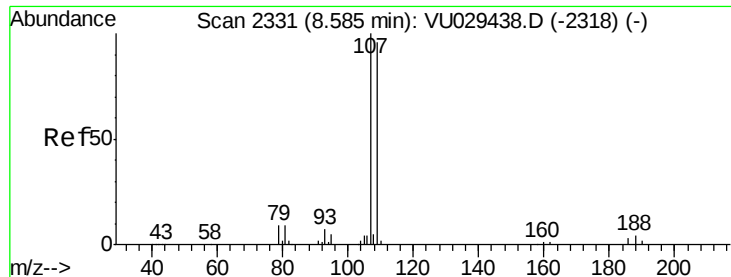
#49
Dibromochloromethane
Concen: 5.069 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU029446.D
Acq: 14 Feb 2019 10:09

Tgt Ion: 129 Resp: 76444
Ion Ratio Lower Upper
129 100
127 77.0 53.3 99.1



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

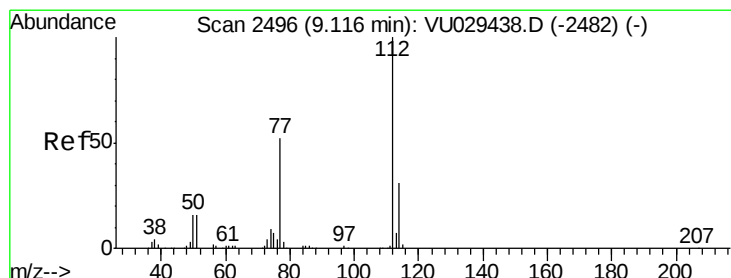
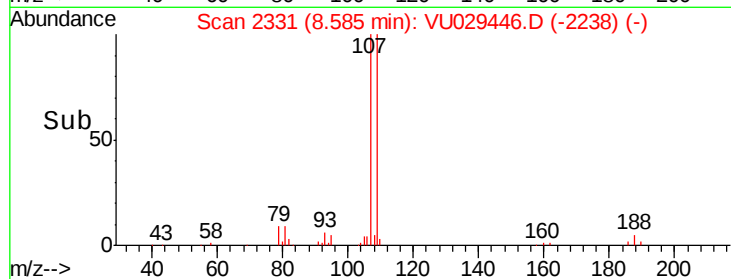
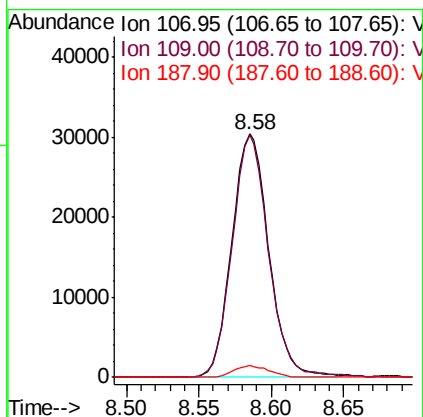
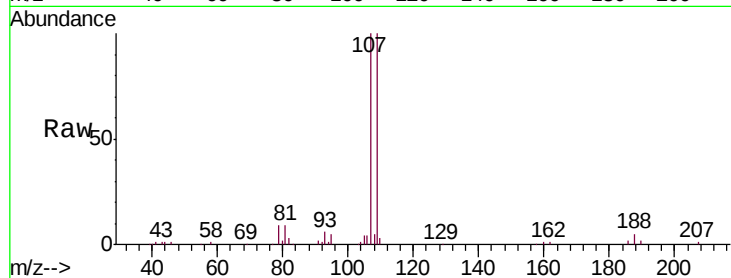




#50
 1,2-Dibromoethane
 Concen: 4.860 ug/L
 RT: 8.58 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: VU029446.D
 Acq: 14 Feb 2019 10:09

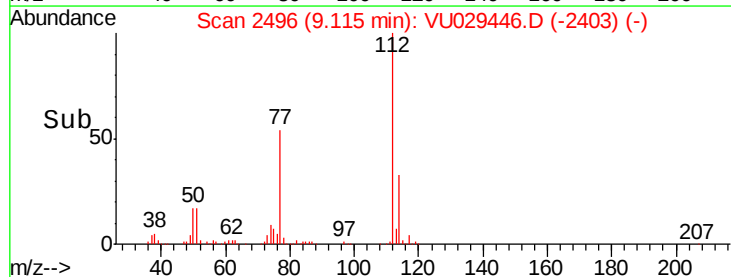
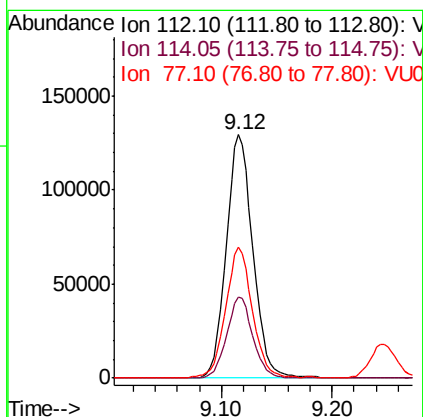
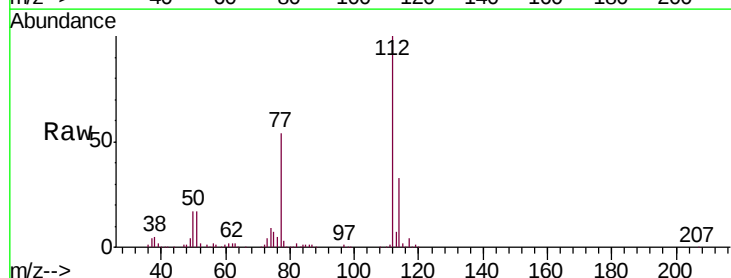
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

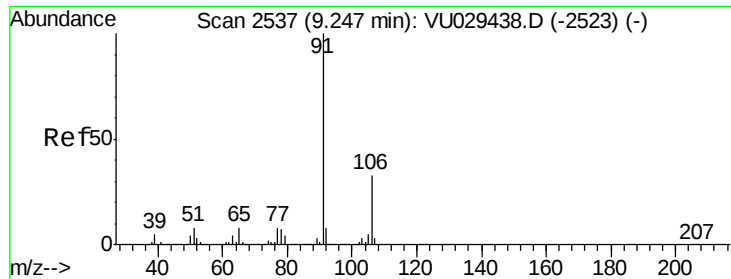
Tgt Ion:107 Resp: 53810
 Ion Ratio Lower Upper
 107 100
 109 99.6 64.1 119.1
 188 4.8 3.7 5.5



#51
 Chlorobenzene
 Concen: 4.813 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. -0.00 min
 Lab File: VU029446.D
 Acq: 14 Feb 2019 10:09

Tgt Ion:112 Resp: 216661
 Ion Ratio Lower Upper
 112 100
 114 33.2 22.9 42.5
 77 53.7 41.8 62.6





#52

Ethylbenzene

Concen: 4.800 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

Instrument :

MSVOA_U

ClientSampleId :

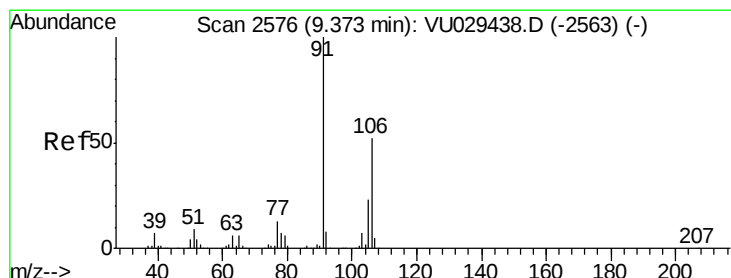
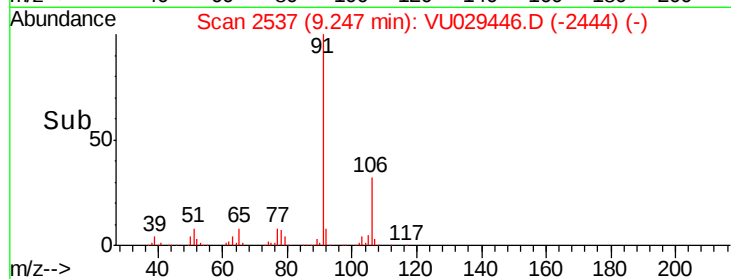
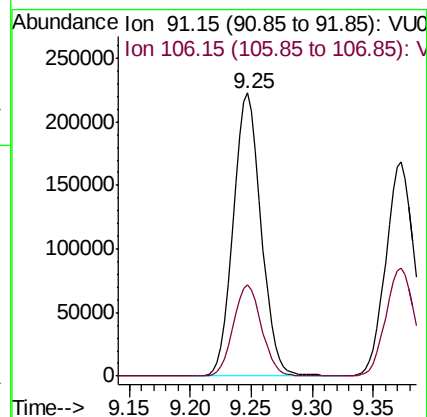
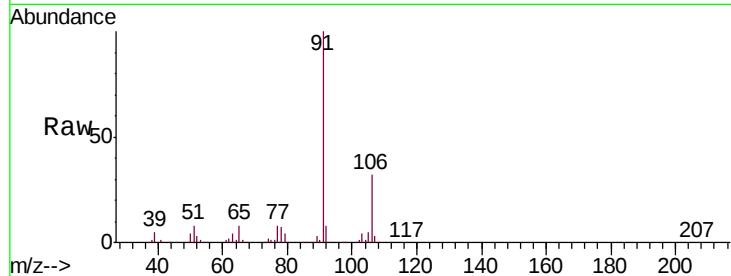
VSTD00555

Tgt Ion: 91 Resp: 355748

Ion Ratio Lower Upper

91 100

106 32.1 22.8 42.4



#53

m,p-xylene

Concen: 4.793 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU029446.D

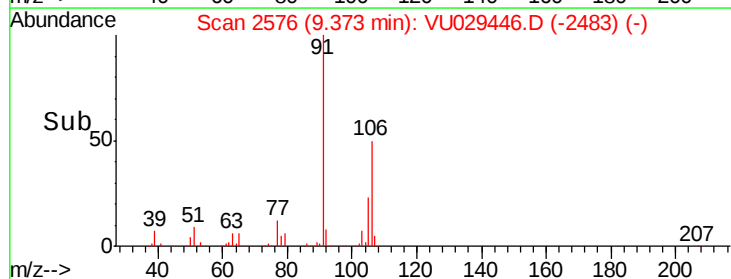
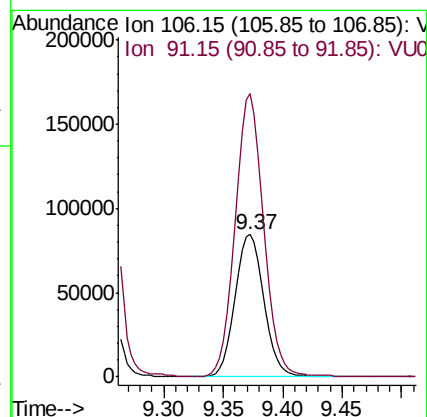
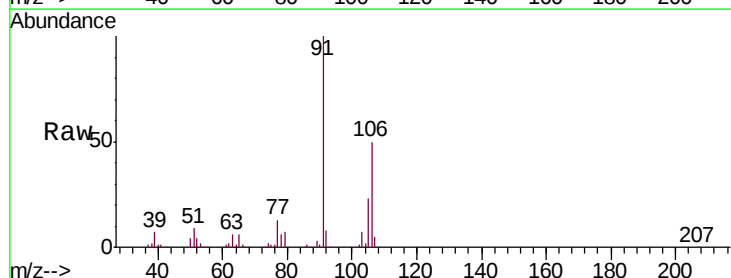
Acq: 14 Feb 2019 10:09

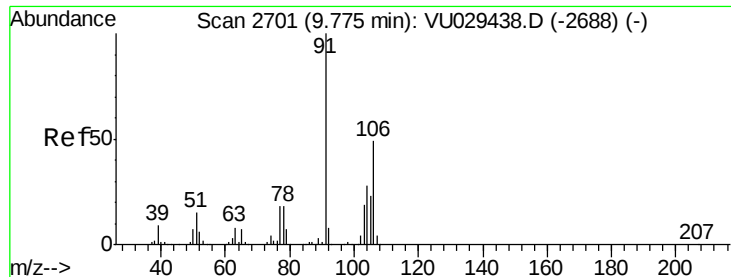
Tgt Ion: 106 Resp: 141664

Ion Ratio Lower Upper

106 100

91 198.7 135.7 251.9





#54

o-xylene

Concen: 4.779 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

Instrument :

MSVOA_U

ClientSampleId :

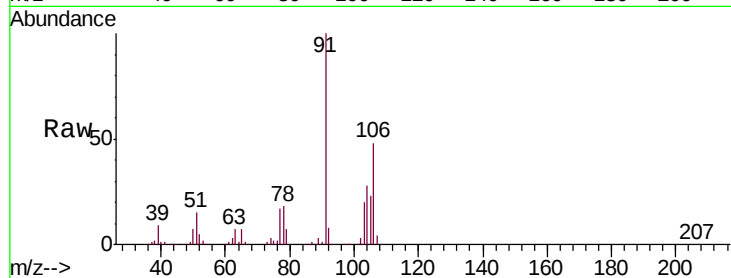
VSTD00555

Tgt Ion:106 Resp: 138639

Ion Ratio Lower Upper

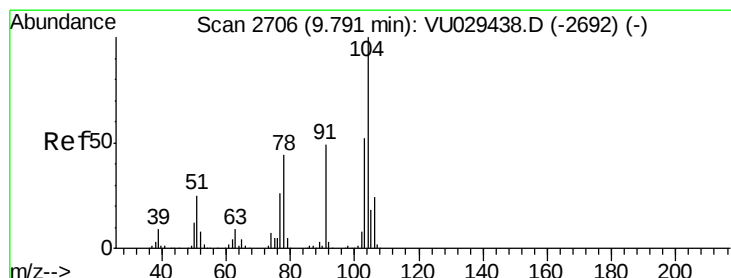
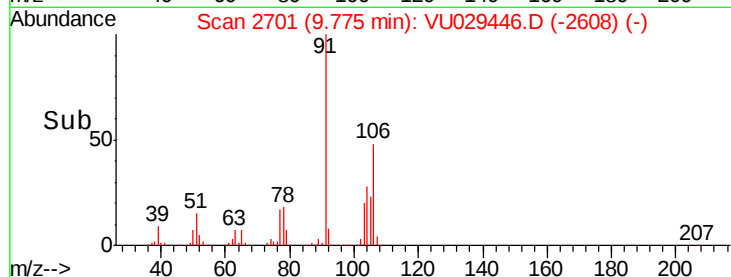
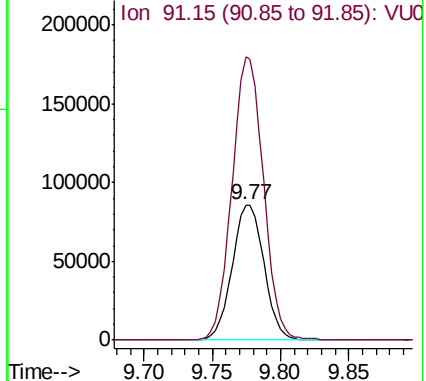
106 100

91 209.8 145.1 269.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 4.870 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VU029446.D

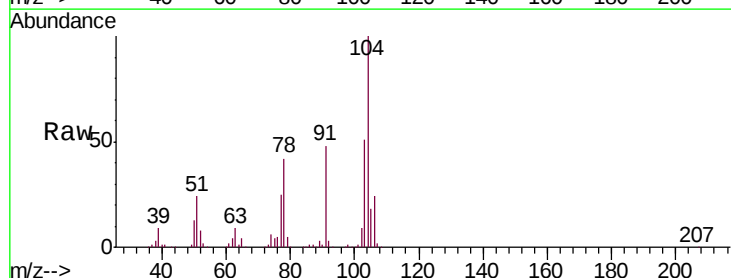
Acq: 14 Feb 2019 10:09

Tgt Ion:104 Resp: 234557

Ion Ratio Lower Upper

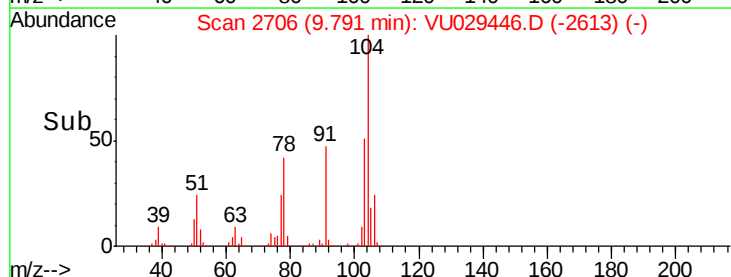
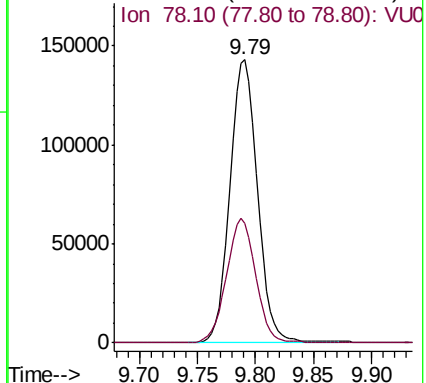
104 100

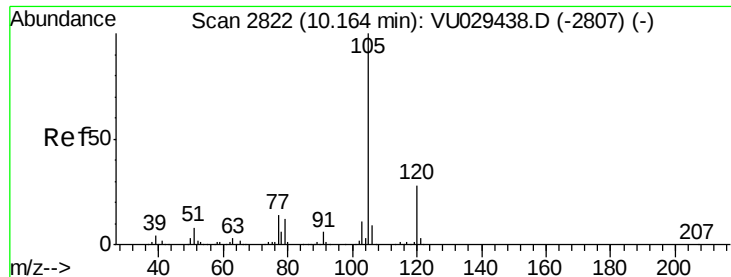
78 42.4 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.845 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

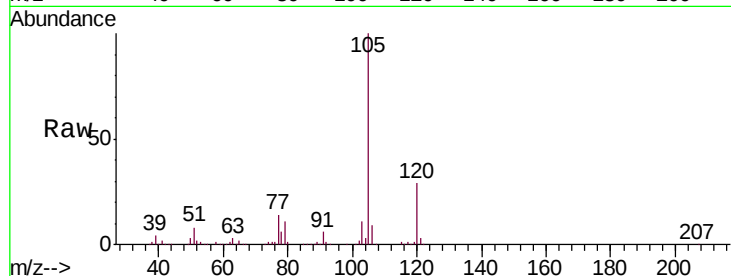
Tgt Ion: 105 Resp: 370713

Ion Ratio Lower Upper

105 100

120 28.3 22.2 33.4

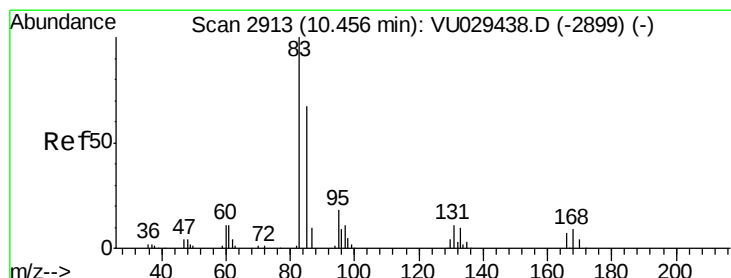
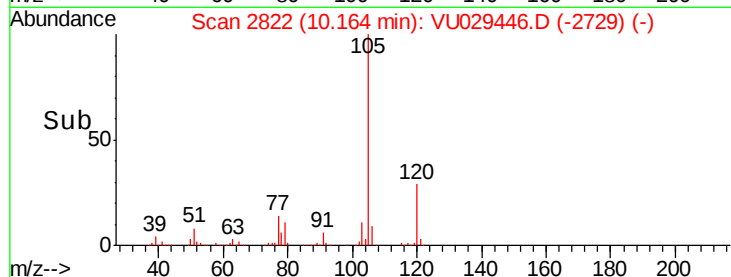
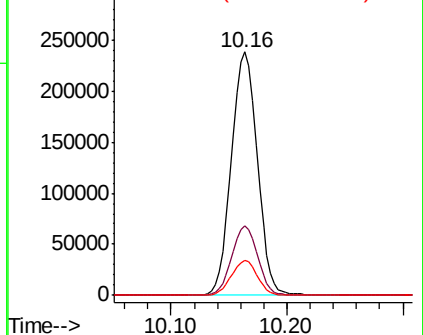
77 14.2 11.5 17.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.034 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

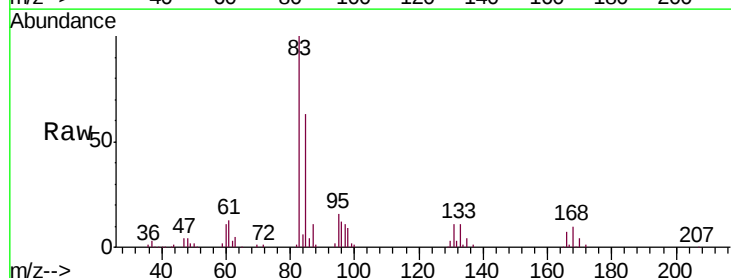
Tgt Ion: 83 Resp: 68741

Ion Ratio Lower Upper

83 100

85 63.1 46.5 86.3

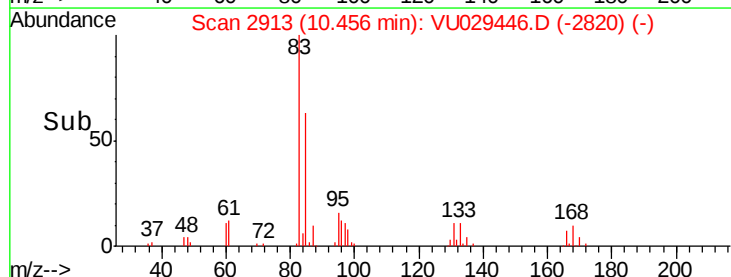
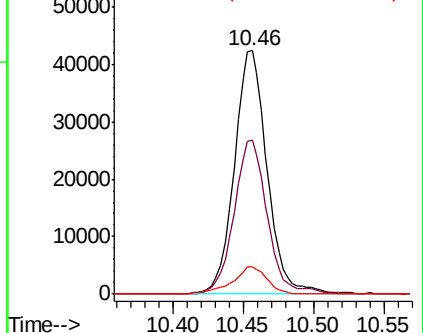
131 11.3 8.3 12.5

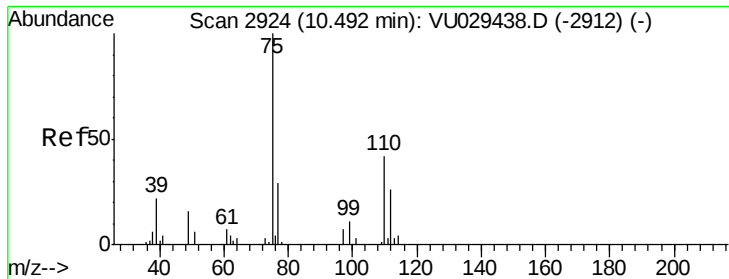


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

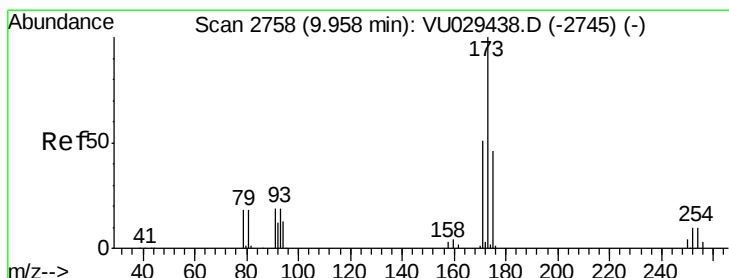
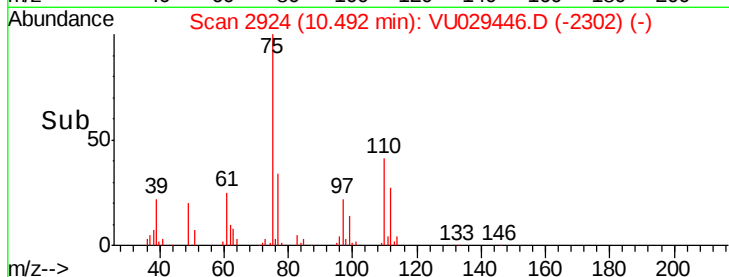
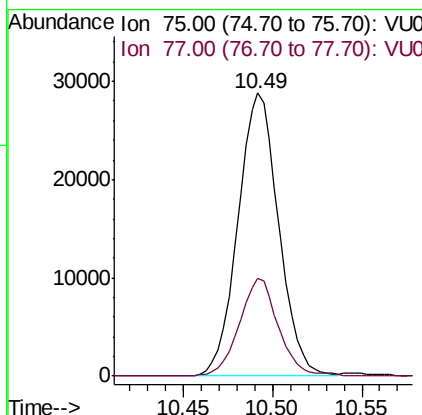
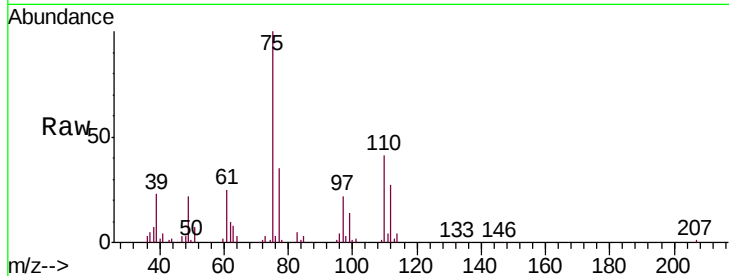




#59
 1,2,3-Trichloropropane
 Concen: 4.904 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU029446.D
 Acq: 14 Feb 2019 10:09

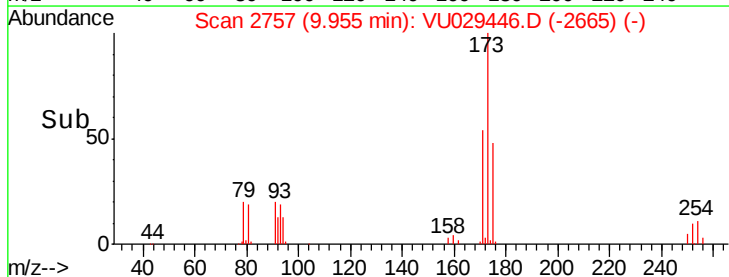
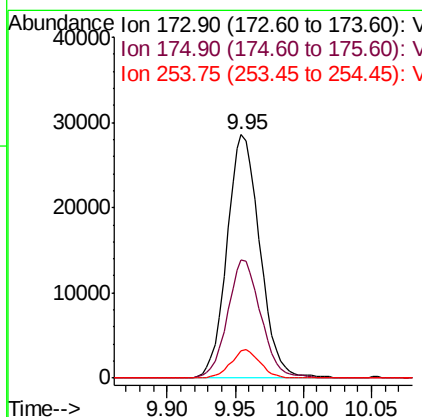
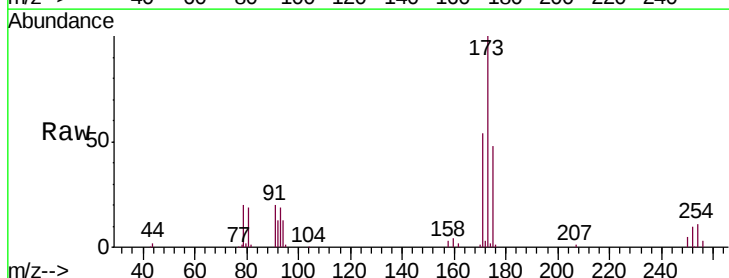
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

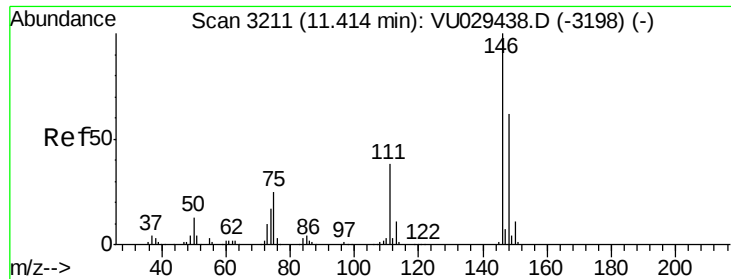
Tgt Ion: 75 Resp: 45944
 Ion Ratio Lower Upper
 75 100
 77 33.3 28.2 42.2



#61
 Bromoform
 Concen: 5.125 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU029446.D
 Acq: 14 Feb 2019 10:09

Tgt Ion: 173 Resp: 47886
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.2 58.8
 254 10.3 7.8 11.6





#62

1,3-Dichlorobenzene

Concen: 4.831 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

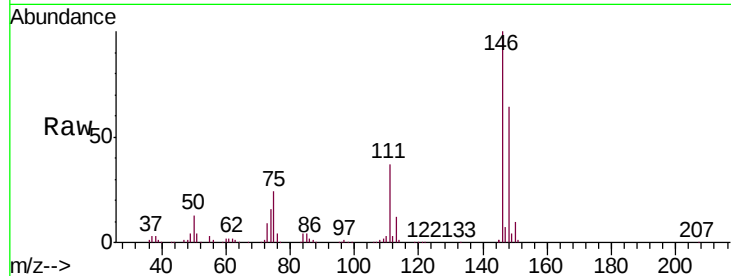
Tgt Ion:146 Resp: 188916

Ion Ratio Lower Upper

146 100

111 36.9 26.1 48.5

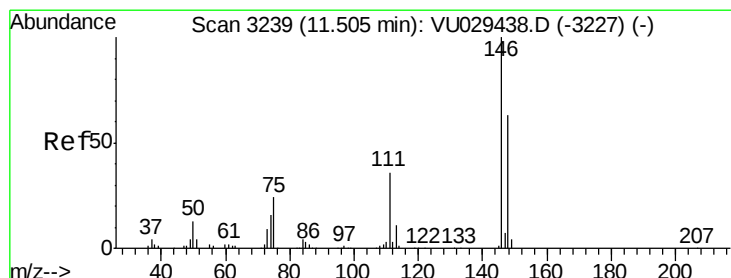
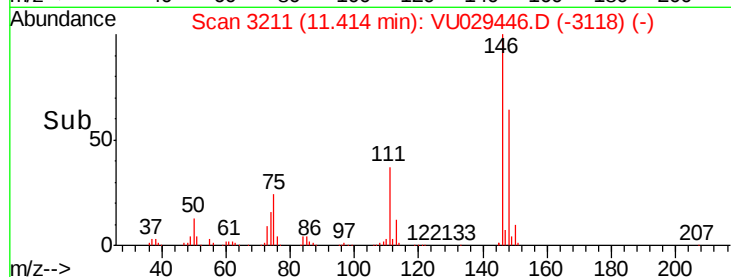
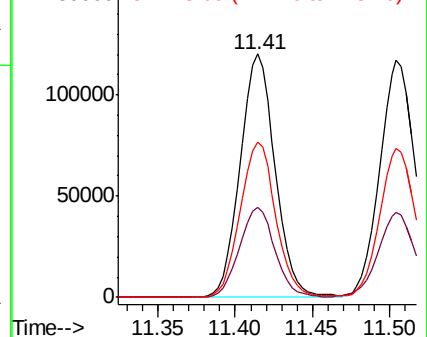
148 63.7 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.859 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

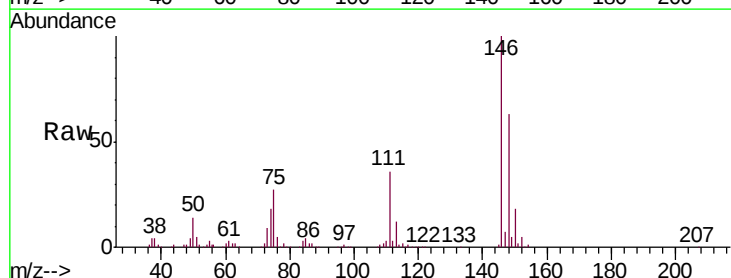
Tgt Ion:146 Resp: 189744

Ion Ratio Lower Upper

146 100

111 35.9 25.6 47.6

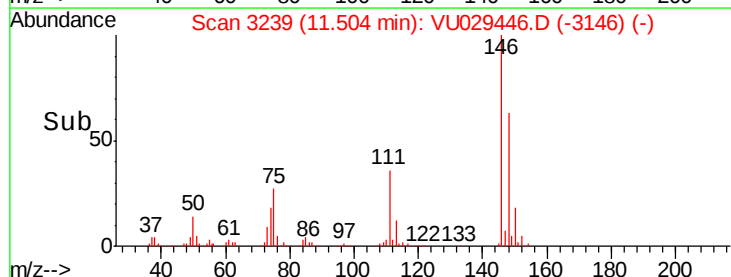
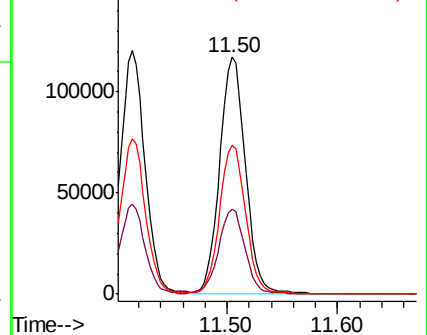
148 63.0 44.2 82.0

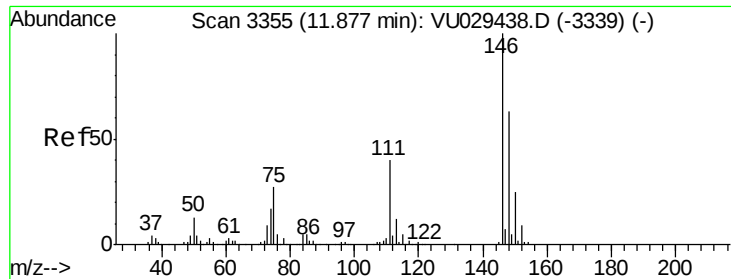


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

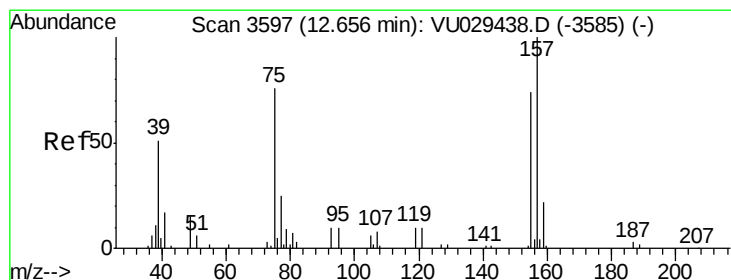
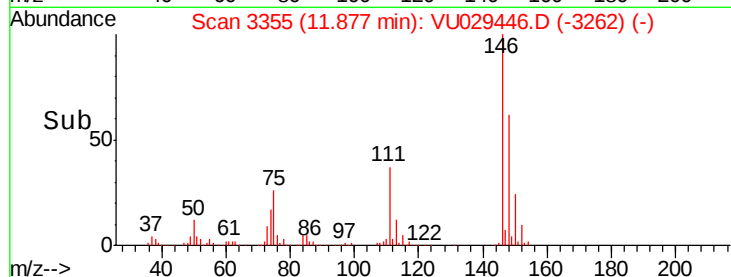
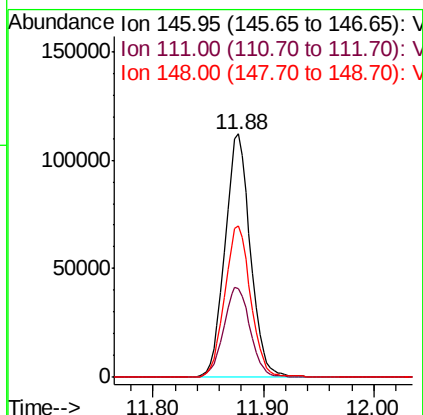
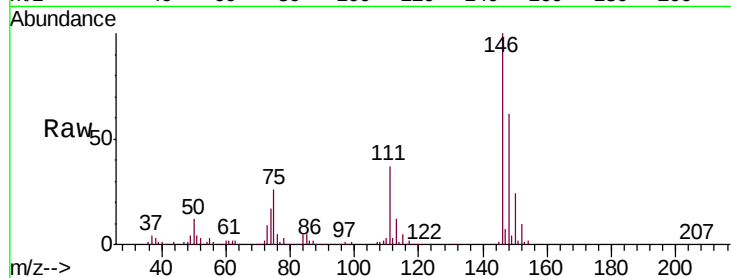




#65
 1,2-Dichlorobenzene
 Concen: 4.874 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VU029446.D
 Acq: 14 Feb 2019 10:09

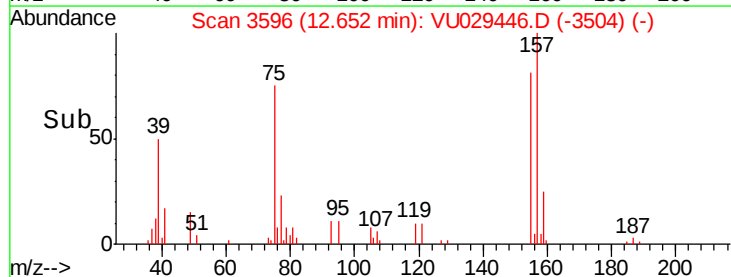
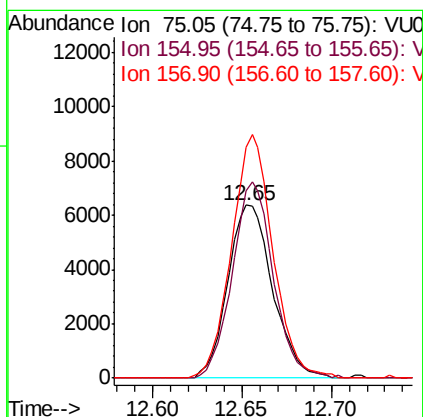
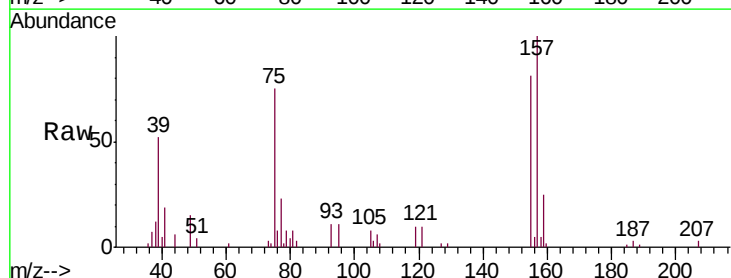
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00555

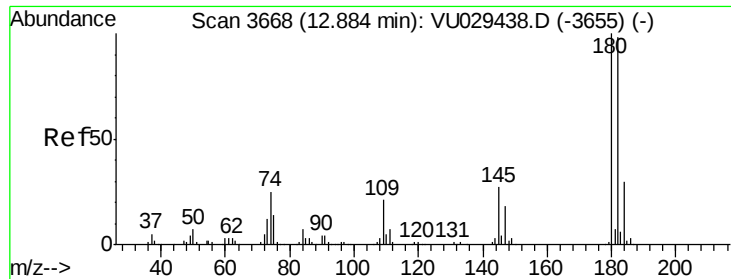
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	30.9	46.3
148	62.1	51.0	76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.834 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU029446.D
 Acq: 14 Feb 2019 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	108.6	75.3	112.9
157	133.6	103.0	154.4

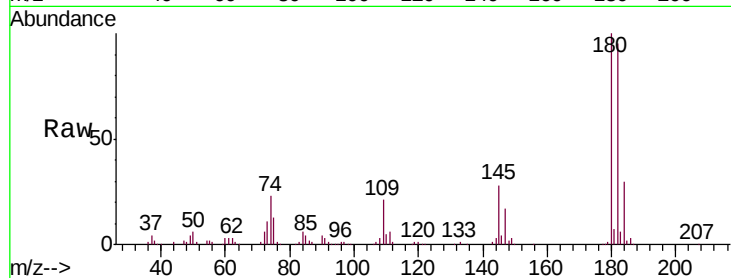




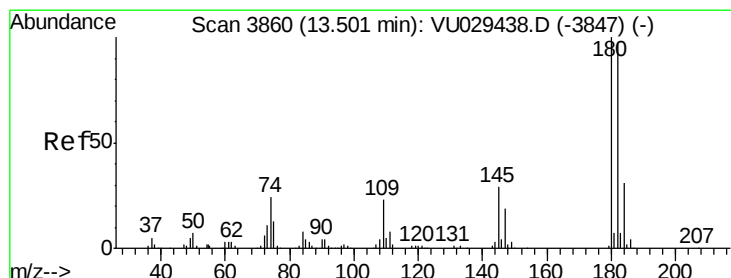
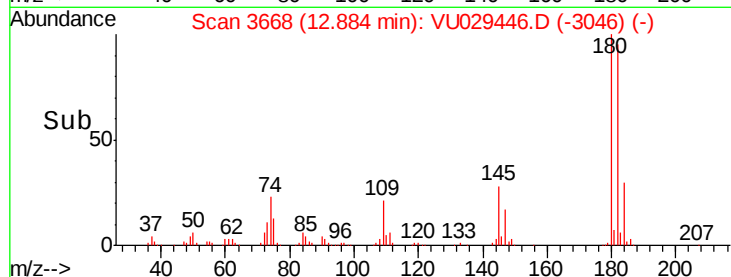
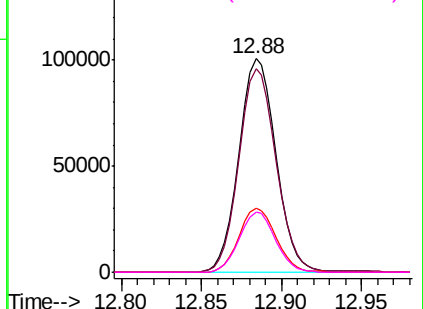
#67
 1,3,5-Trichlorobenzene
 Concen: 4.893 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU029446.D
 Acq: 14 Feb 2019 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

Tgt Ion:180 Resp: 158762
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.0 114.0
 184 30.1 24.1 36.1
 145 27.4 22.6 34.0

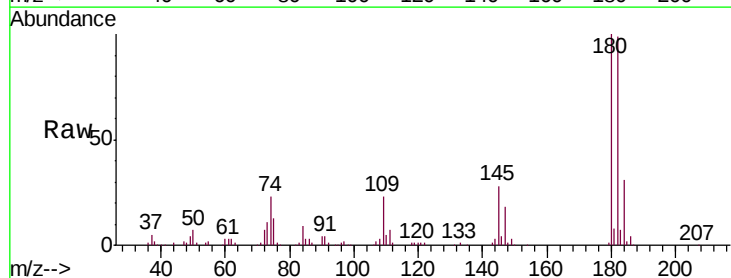


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

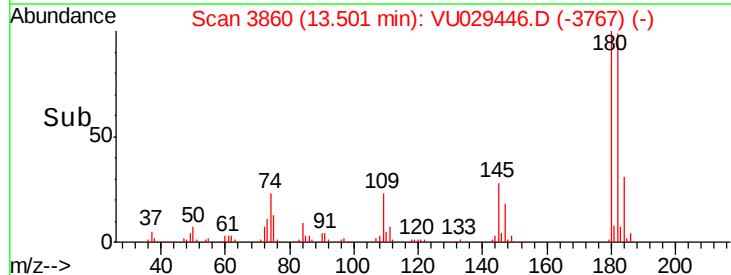
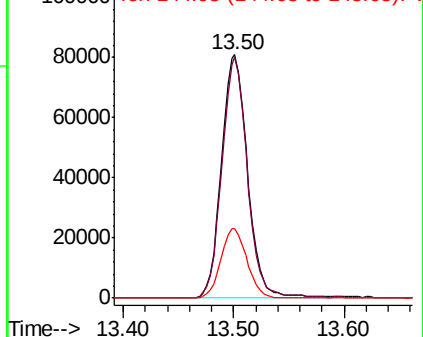


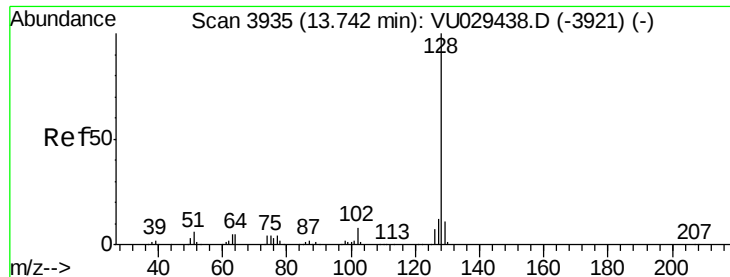
#68
 1,2,4-trichlorobenzene
 Concen: 4.871 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU029446.D
 Acq: 14 Feb 2019 10:09

Tgt Ion:180 Resp: 133110
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.1 115.7
 145 28.3 23.1 34.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.646 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

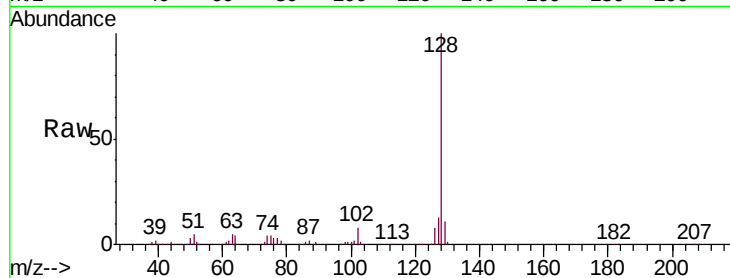
Tgt Ion:128 Resp: 219238

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

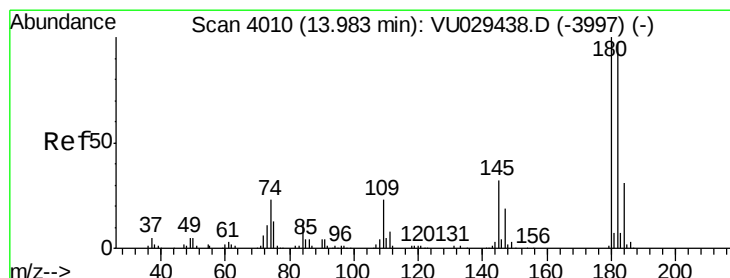
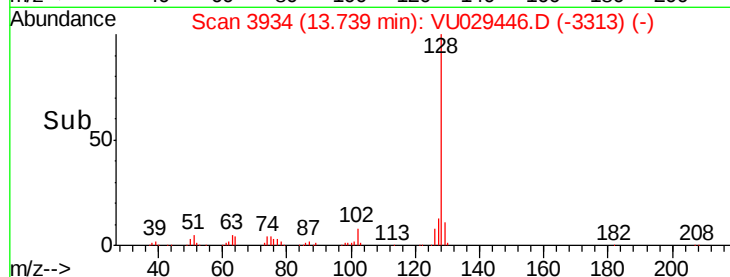
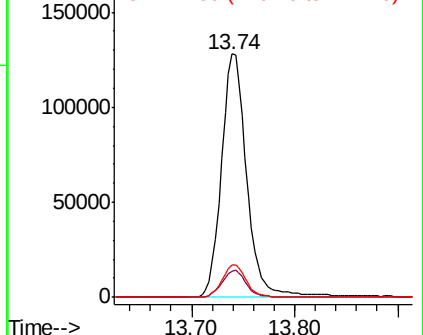
127 12.7 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.724 ug/L

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU029446.D

Acq: 14 Feb 2019 10:09

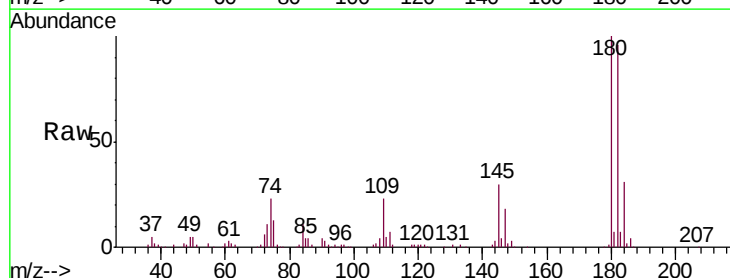
Tgt Ion:180 Resp: 123443

Ion Ratio Lower Upper

180 100

182 96.3 75.9 113.9

145 29.5 23.8 35.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

