

Data File : VU029444.D
Acq On : 13 Feb 2019 15:36
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00554

Quant Time: Feb 14 00:21:58 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	207932	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	199009	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	111307	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	59418	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	1.68	69	54975	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.00%
11) 1,1-Dichloroethene-d2	2.27	63	132732	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.40%
20) 2-Butanone-d5	4.19	46	139889	48.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.32%
24) Chloroform-d	4.65	84	98686	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.31	65	54611	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.34	84	219811	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.33	67	65457	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.56	98	218817	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	7.85	79	28687	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	8.31	63	141233	48.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.12%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	58048	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	97740	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	87256	4.792	ug/L 97
3) Chloromethane	1.32	50	77155	4.490	ug/L 97
5) Vinyl chloride	1.40	62	92688	4.629	ug/L 98
6) Bromomethane	1.63	94	57752	4.944	ug/L 97
8) Chloroethane	1.70	64	58076	4.454	ug/L 99
9) Trichlorofluoromethane	1.88	101	145220	4.738	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	85492	4.732	ug/L 99
12) 1,1-Dichloroethene	2.28	96	80929	4.729	ug/L 95
13) Acetone	2.33	43	126012	47.753	ug/L 100
14) Carbon disulfide	2.48	76	258548	4.586	ug/L 100
15) Methyl Acetate	2.62	43	31567	4.670	ug/L 99
16) Methylene chloride	2.70	84	85044	4.422	ug/L 98
17) Methyl tert-butyl Ether	3.00	73	199605	4.659	ug/L 99
18) trans-1,2-Dichloroethene	2.98	96	86053	4.716	ug/L 97
19) 1,1-Dichloroethane	3.44	63	145803	5.304	ug/L 98
21) 2-Butanone	4.28	43	160160	49.118	ug/L 99
22) cis-1,2-Dichloroethene	4.22	96	79098	4.713	ug/L 97

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	37277	4.920	ug/L	95
25) Chloroform	4.67	83	139320	5.065	ug/L	96
27) 1,2-Dichloroethane	5.41	62	77232	4.853	ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	115144	4.678	ug/L	100
30) Cyclohexane	4.99	56	106369	4.510	ug/L	96
31) Carbon tetrachloride	5.13	117	104094	4.680	ug/L	100
33) Benzene	5.39	78	271803	4.640	ug/L	100
34) Trichloroethene	6.18	95	78058	4.739	ug/L	98
35) Methylcyclohexane	6.41	83	129434	4.671	ug/L	98
37) 1,2-Dichloropropane	6.43	63	68554	4.672	ug/L	100
38) Bromodichloromethane	6.76	83	90841	4.685	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	106906	4.630	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	384223	45.430	ug/L	99
42) Toluene	7.63	91	312125	4.747	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	86792	4.577	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	53287	4.741	ug/L	98
47) Tetrachloroethene	8.22	164	73162	4.849	ug/L	97
48) 2-Hexanone	8.36	43	282723	45.867	ug/L	99
49) Dibromochloromethane	8.48	129	72372	4.778	ug/L	100
50) 1,2-Dibromoethane	8.58	107	53382	4.799	ug/L	96
51) Chlorobenzene	9.12	112	212872	4.708	ug/L	99
52) Ethylbenzene	9.25	91	351380	4.720	ug/L	99
53) m,p-xylene	9.37	106	141254	4.758	ug/L	98
54) o-xylene	9.78	106	137671	4.725	ug/L	95
55) Styrene	9.79	104	228493	4.723	ug/L	98
56) Isopropylbenzene	10.16	105	367154	4.777	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	64896	4.731	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	44627	4.742	ug/L	96
61) Bromoform	9.95	173	43045	4.568	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	184348	4.675	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	188028	4.775	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	177565	4.779	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	10674	4.592	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	155948	4.766	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	135051	4.901	ug/L	99
69) Naphthalene	13.74	128	210764	4.429	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	123064	4.671	ug/L	99

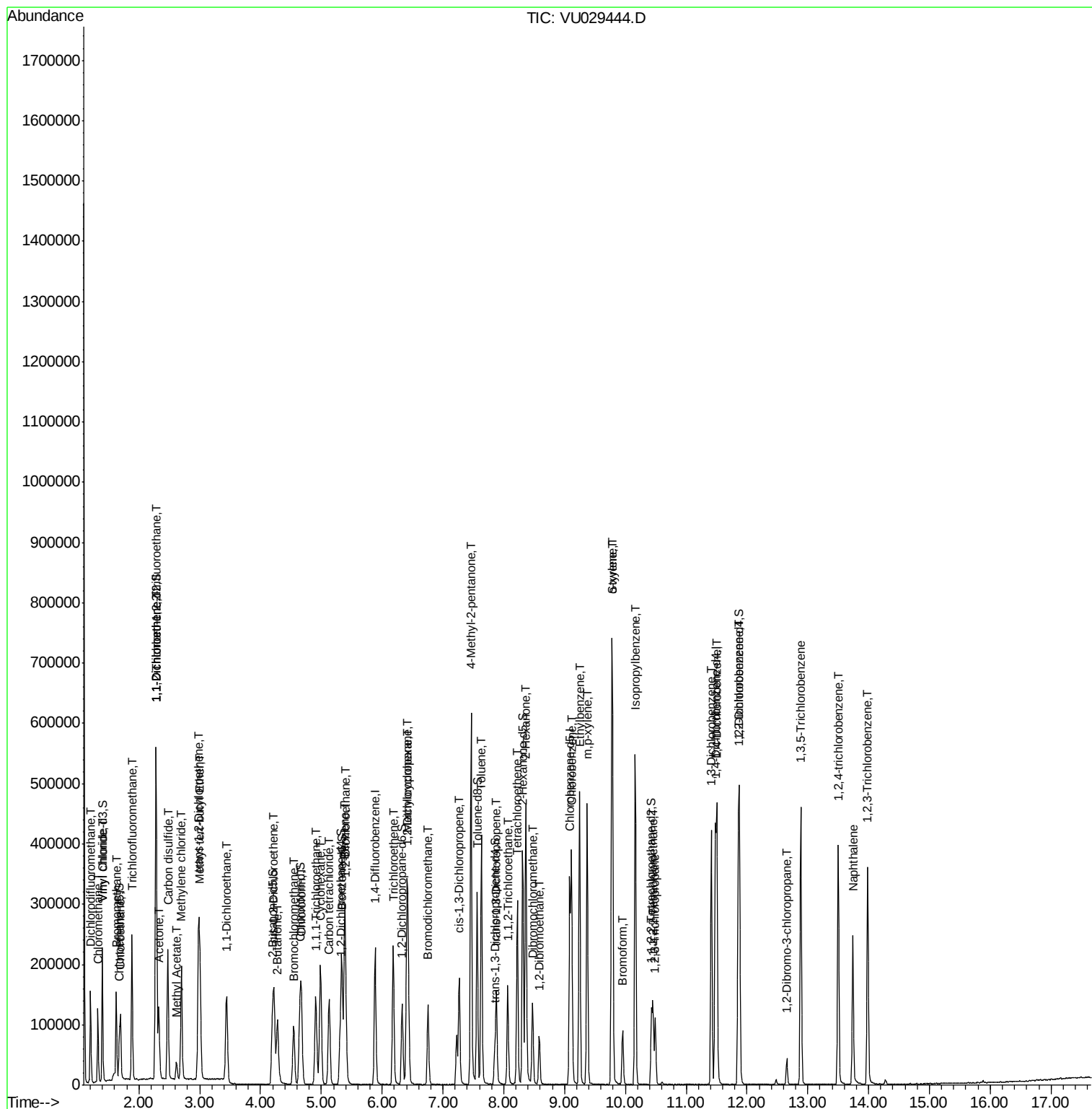
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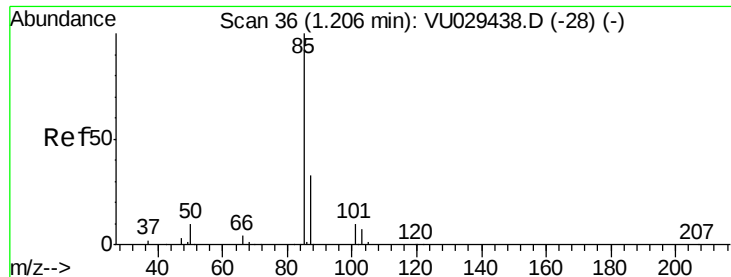
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#2

Dichlorodifluoromethane

Concen: 4.792 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

Instrument :

MSVOA_U

ClientSampleId :

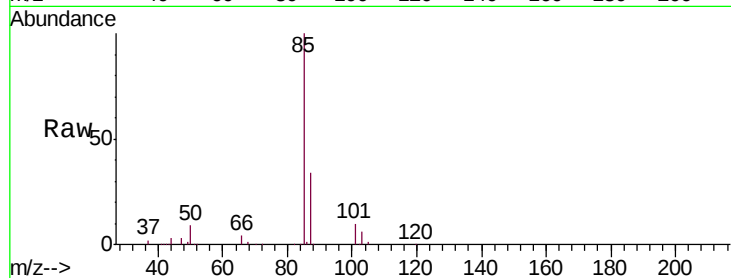
VSTD00554

Tgt Ion: 85 Resp: 87256

Ion Ratio Lower Upper

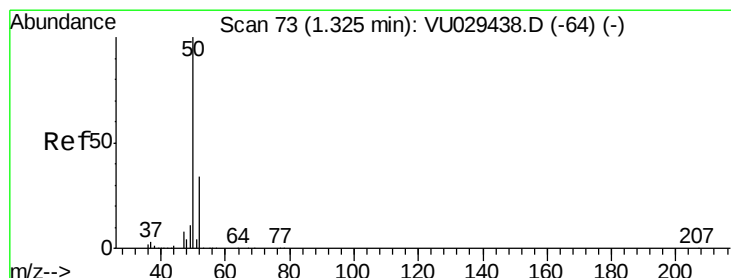
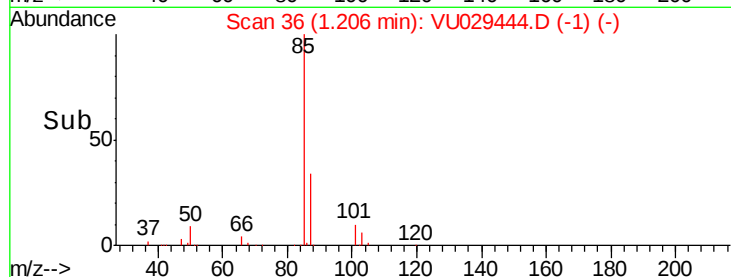
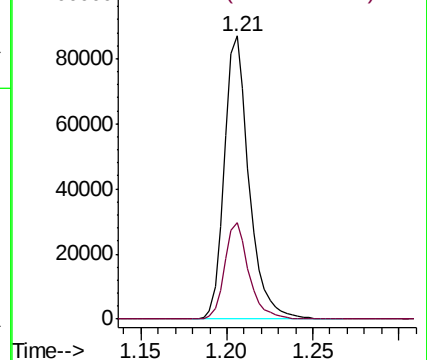
85 100

87 33.2 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.490 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029444.D

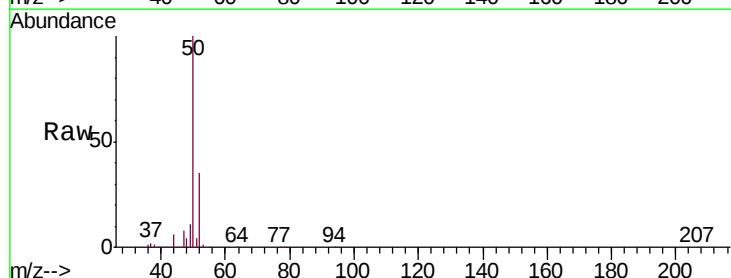
Acq: 13 Feb 2019 15:36

Tgt Ion: 50 Resp: 77155

Ion Ratio Lower Upper

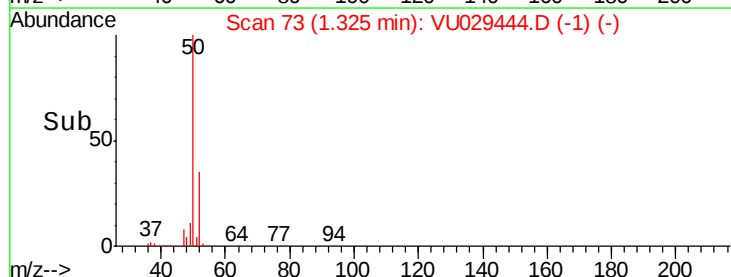
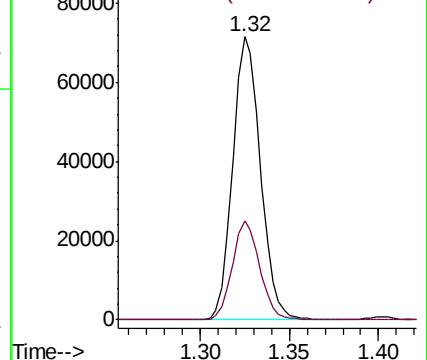
50 100

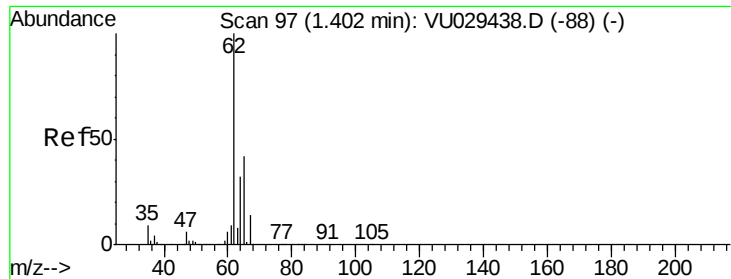
52 34.8 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.629 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

Instrument :

MSVOA_U

ClientSampleId :

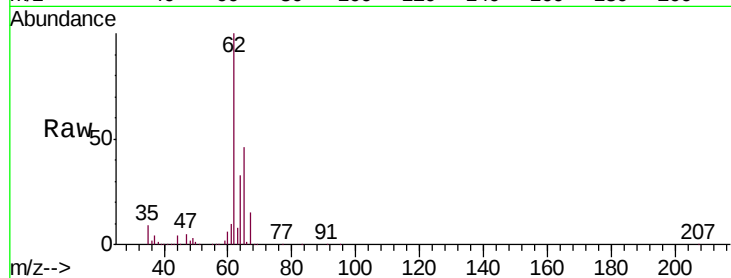
VSTD00554

Tgt Ion: 62 Resp: 92688

Ion Ratio Lower Upper

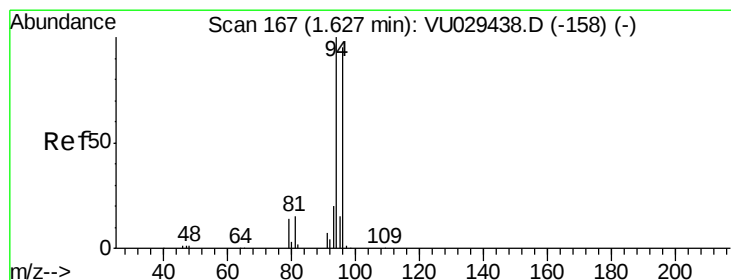
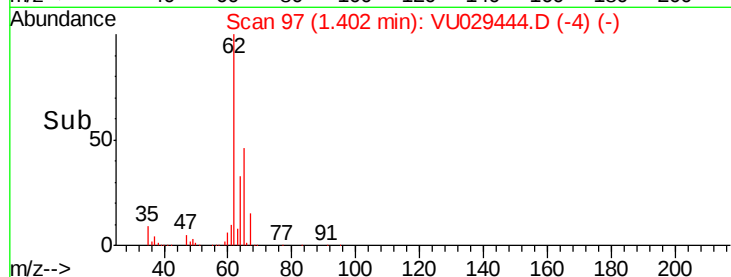
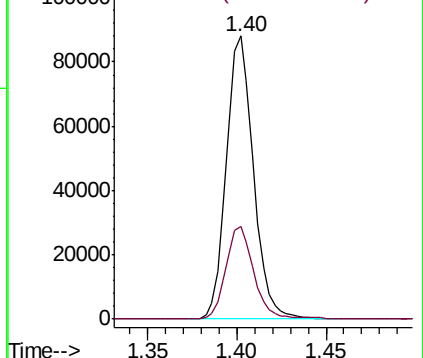
62 100

64 32.6 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: 4.944 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU029444.D

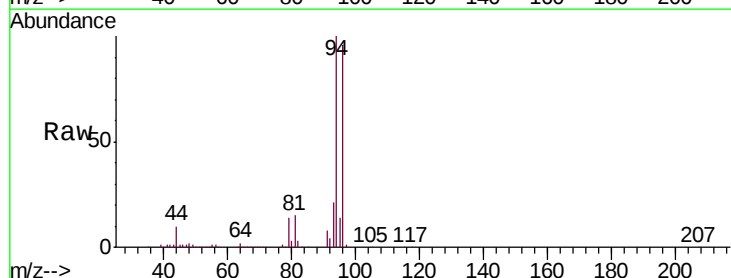
Acq: 13 Feb 2019 15:36

Tgt Ion: 94 Resp: 57752

Ion Ratio Lower Upper

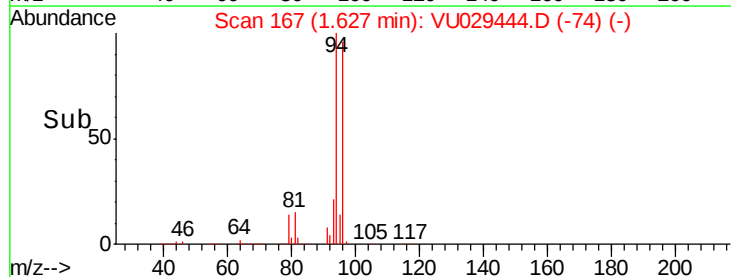
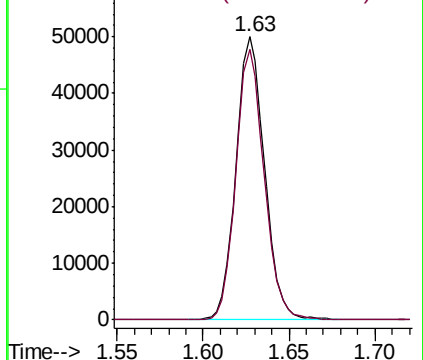
94 100

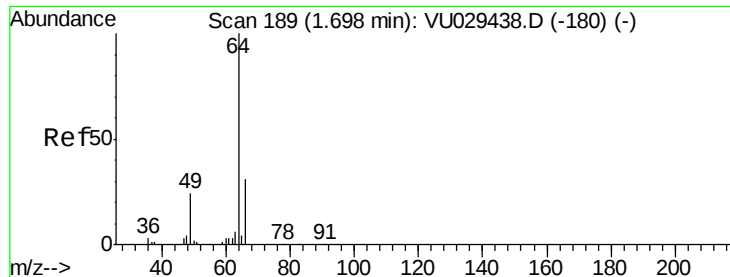
96 95.6 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.454 ug/L

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

Instrument :

MSVOA_U

ClientSampleId :

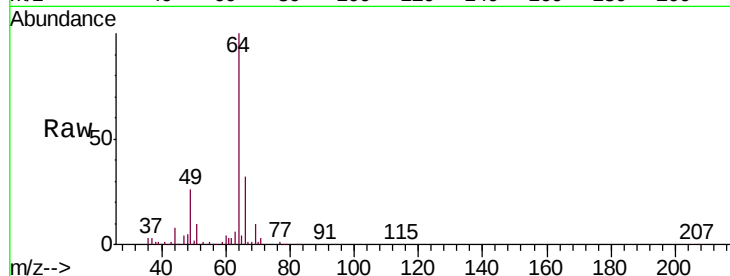
VSTD00554

Tgt Ion: 64 Resp: 58076

Ion Ratio Lower Upper

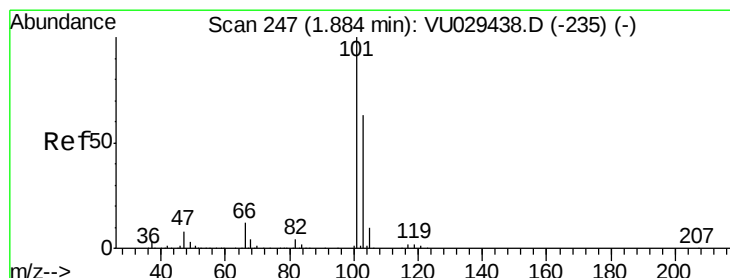
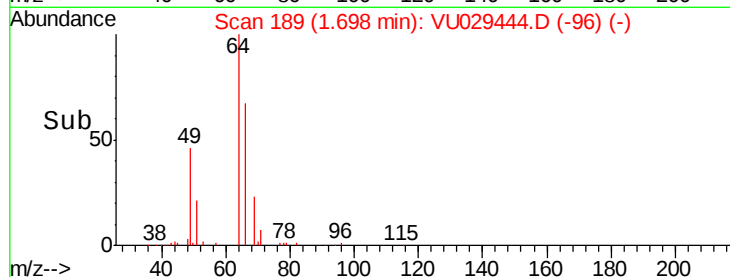
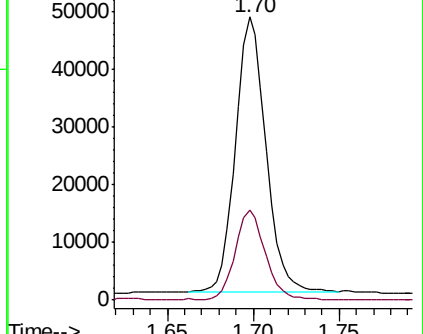
64 100

66 31.9 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#9

Trichlorofluoromethane

Concen: 4.738 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU029444.D

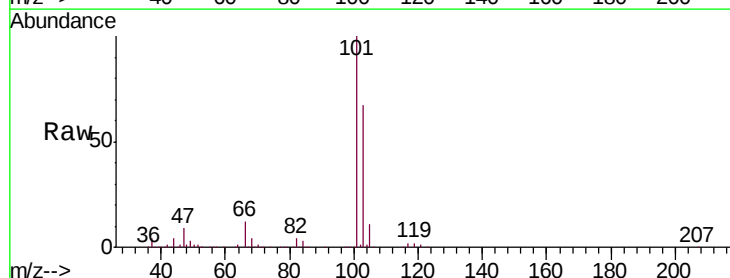
Acq: 13 Feb 2019 15:36

Tgt Ion: 101 Resp: 145220

Ion Ratio Lower Upper

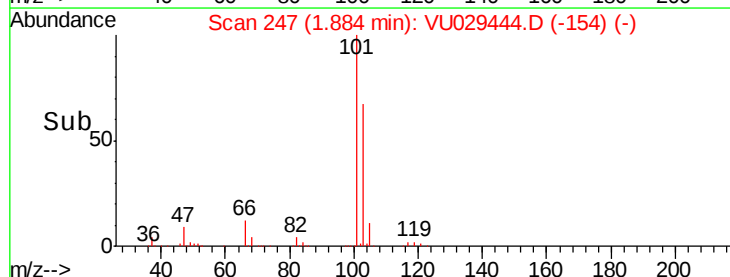
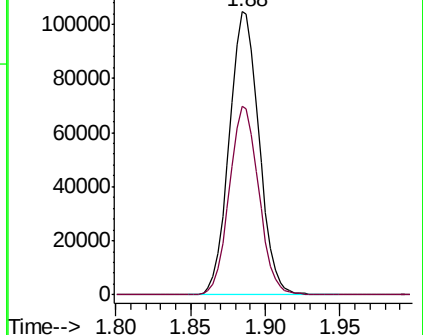
101 100

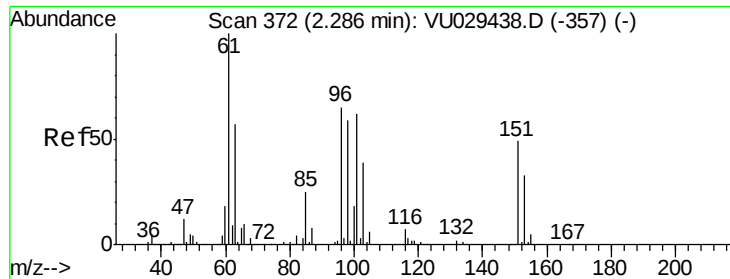
103 65.9 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 4.732 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU029444.D

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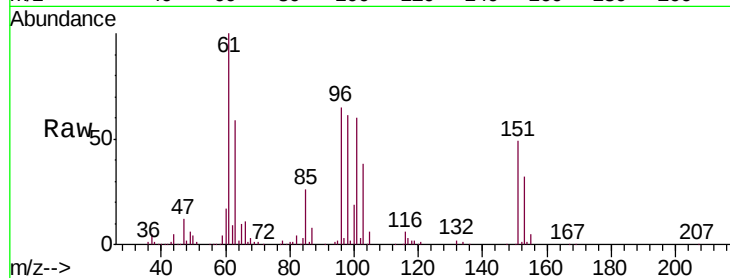
Tgt Ion: 101 Resp: 85492

Ion Ratio Lower Upper

101 100

85 42.9 35.1 52.7

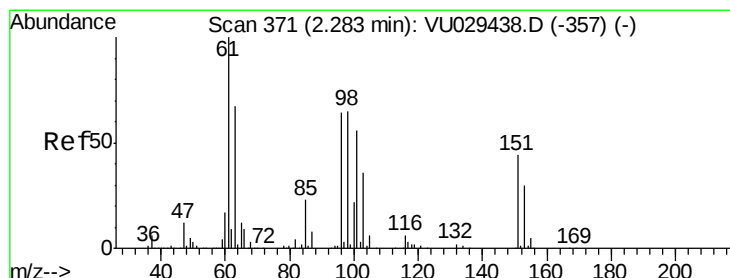
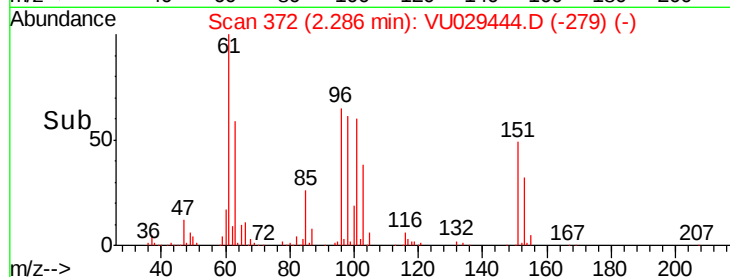
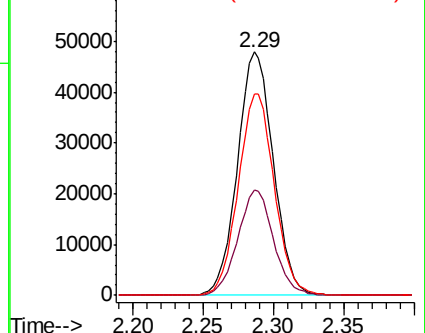
151 83.1 67.0 100.6



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: 4.729 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

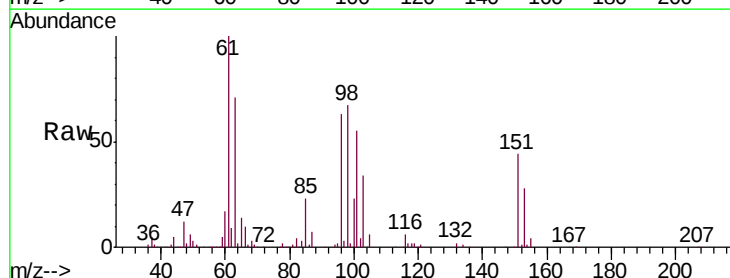
Tgt Ion: 96 Resp: 80929

Ion Ratio Lower Upper

96 100

61 158.3 115.1 213.7

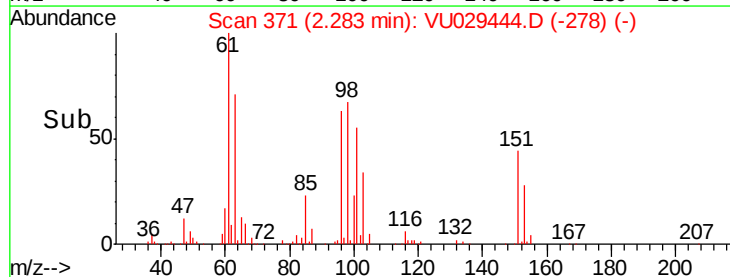
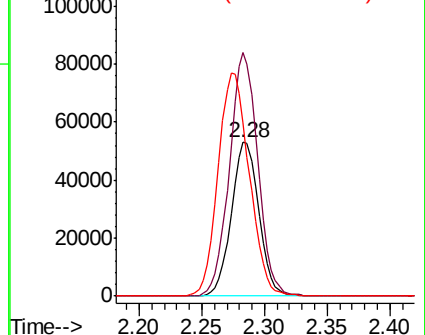
63 112.5 83.5 155.1

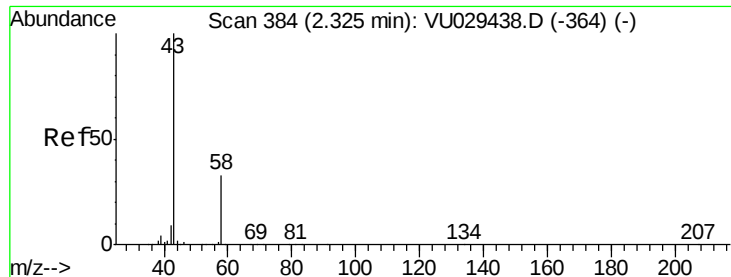


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.753 ug/L

RT: 2.33 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

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ClientSampleId :

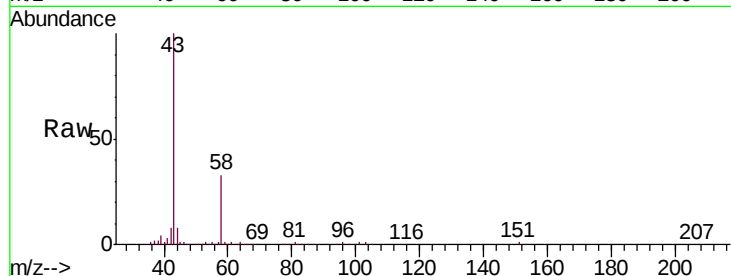
VSTD00554

Tgt Ion: 43 Resp: 126012

Ion Ratio Lower Upper

43 100

58 32.2 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU029438.D (-364) (-)

Ion 58.05 (57.75 to 58.75): VU029438.D (-364) (-)

2.33

80000

60000

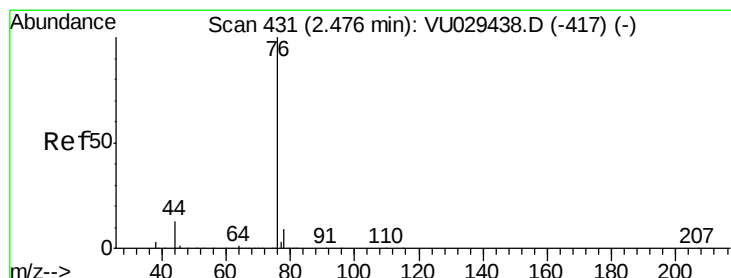
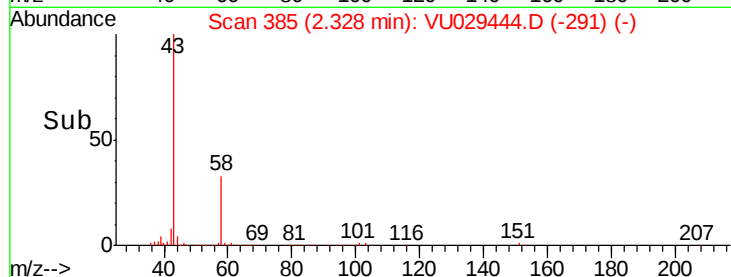
40000

20000

0

Time-->

2.20 2.30 2.40



#14

Carbon disulfide

Concen: 4.586 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU029444.D

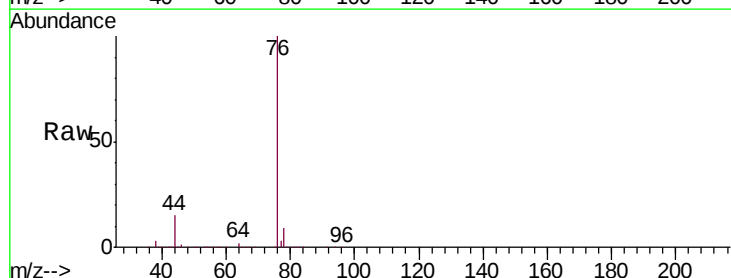
Acq: 13 Feb 2019 15:36

Tgt Ion: 76 Resp: 258548

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU029438.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU029438.D (-417) (-)

2.48

150000

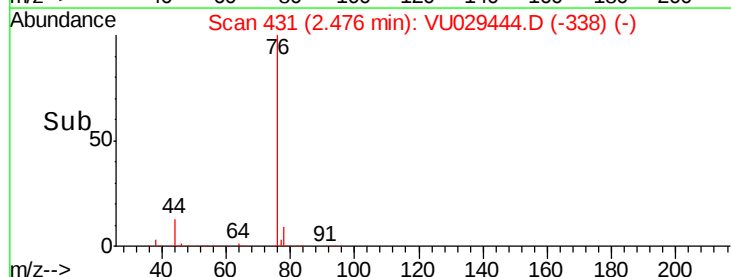
100000

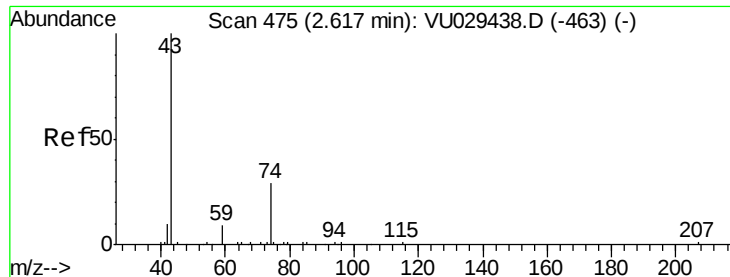
50000

0

Time-->

2.40 2.50 2.60

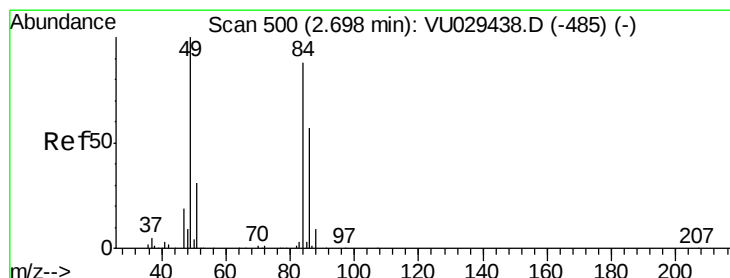
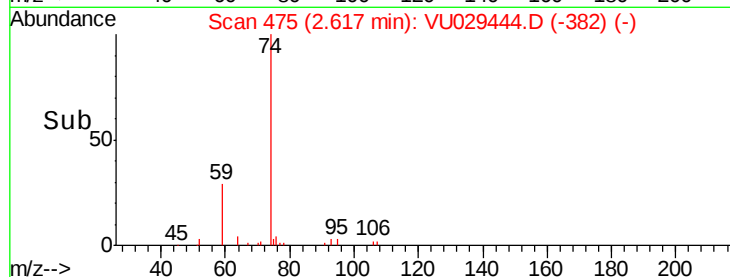
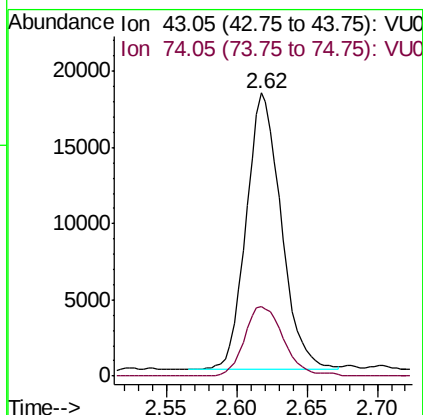
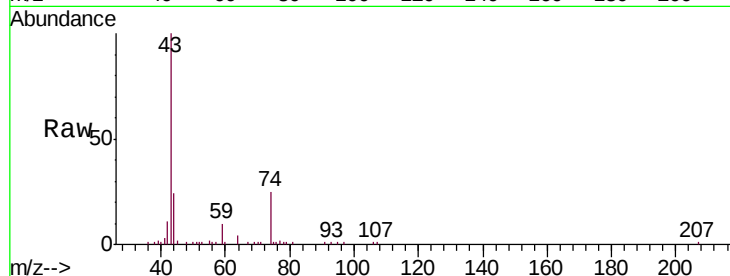




#15
Methyl Acetate
Concen: 4.670 ug/L
RT: 2.62 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU029444.D
Acq: 13 Feb 2019 15:36

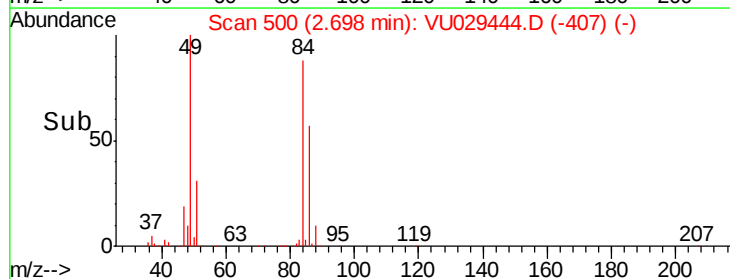
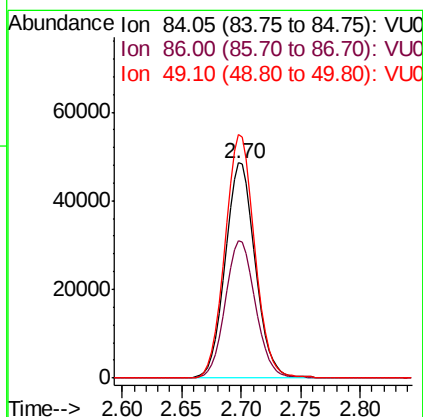
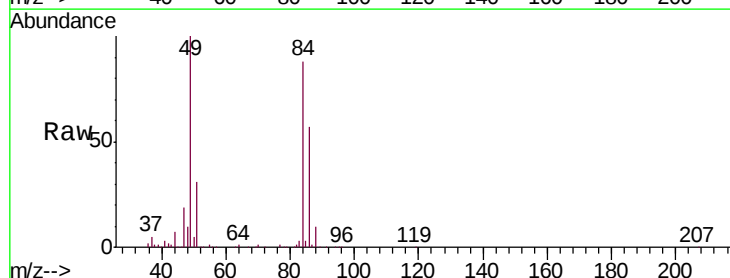
Instrument :
MSVOA_U
ClientSampleId :
VSTD00554

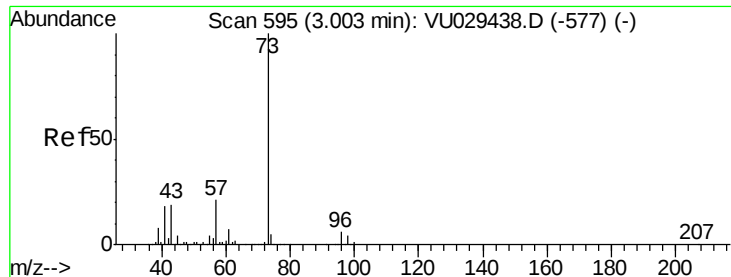
Tgt Ion: 43 Resp: 31567
Ion Ratio Lower Upper
43 100
74 28.3 22.3 33.5



#16
Methylene chloride
Concen: 4.422 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029444.D
Acq: 13 Feb 2019 15:36

Tgt Ion: 84 Resp: 85044
Ion Ratio Lower Upper
84 100
86 64.1 45.1 83.9
49 113.2 81.8 151.8





#17

Methyl tert-butyl Ether

Concen: 4.659 ug/L

RT: 3.00 min Scan# 595

Delta R.T. -0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00554

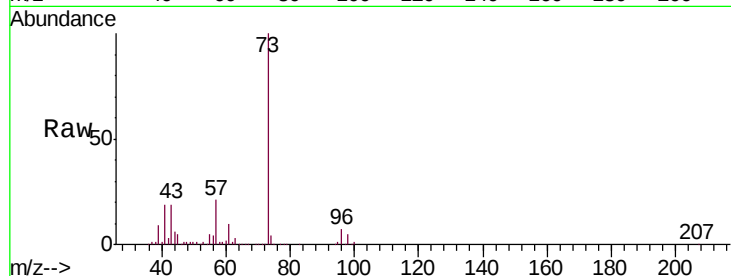
Tgt Ion: 73 Resp: 199605

Ion Ratio Lower Upper

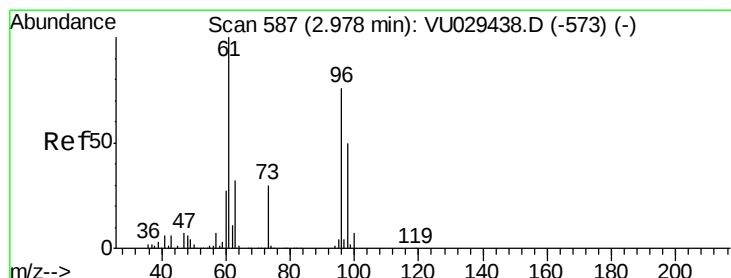
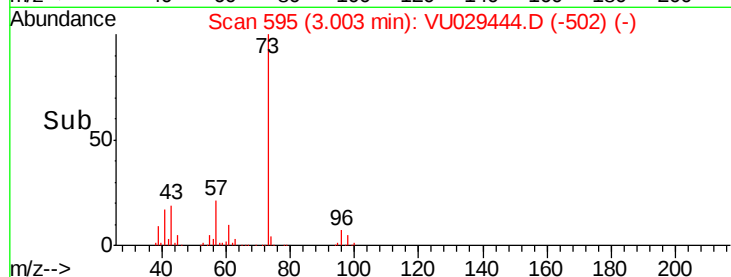
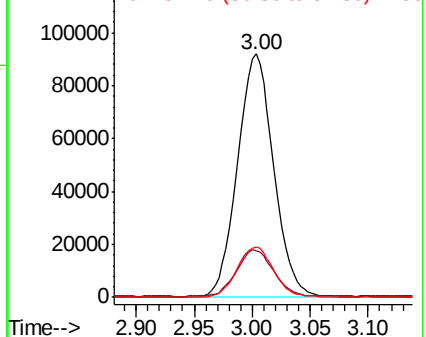
73 100

43 19.7 16.0 24.0

57 20.8 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: 4.716 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

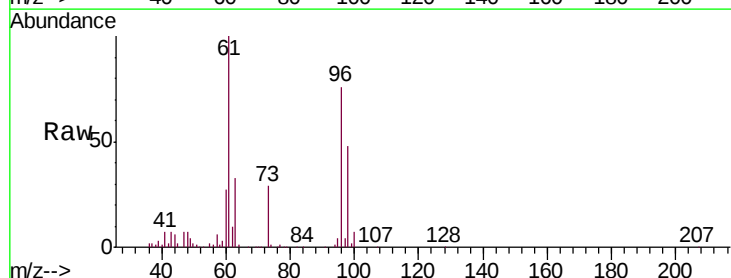
Tgt Ion: 96 Resp: 86053

Ion Ratio Lower Upper

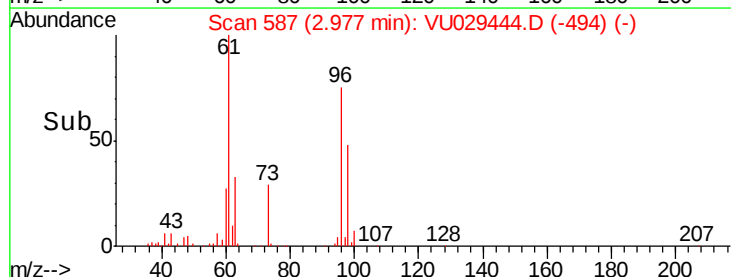
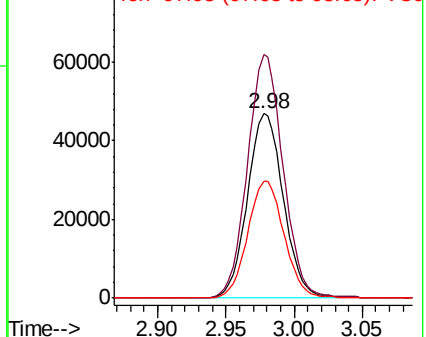
96 100

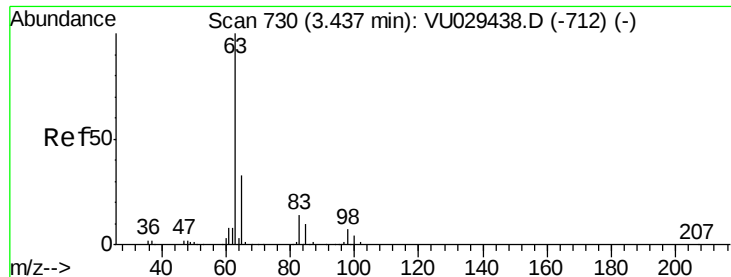
61 132.1 95.4 177.2

98 63.5 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: 5.304 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00554

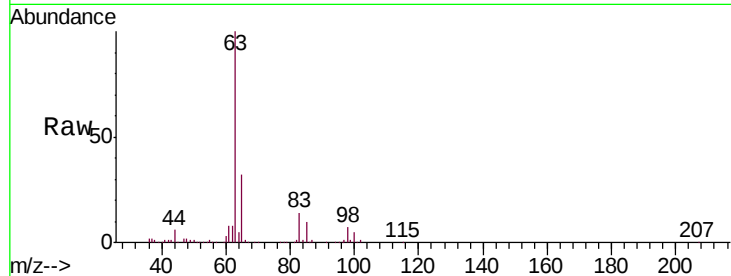
Tgt Ion: 63 Resp: 145803

Ion Ratio Lower Upper

63 100

65 32.0 23.5 43.7

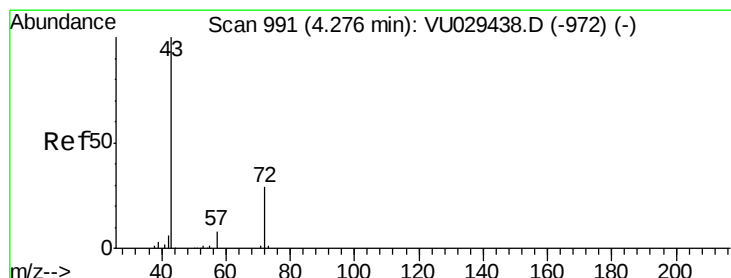
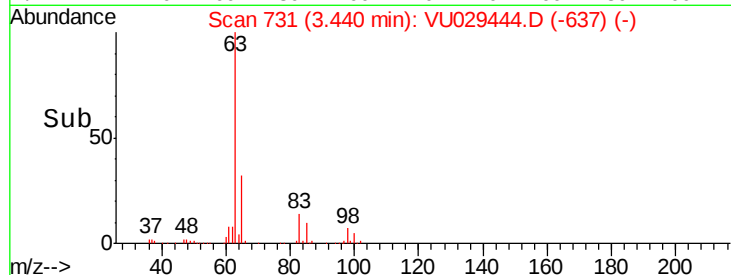
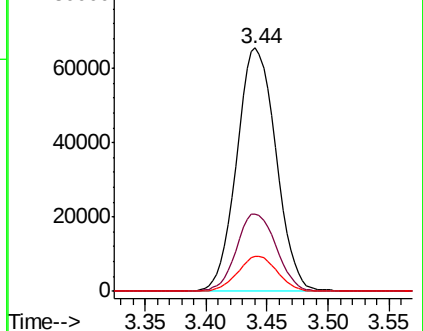
83 14.2 10.3 19.1



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: 49.118 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.00 min

Lab File: VU029444.D

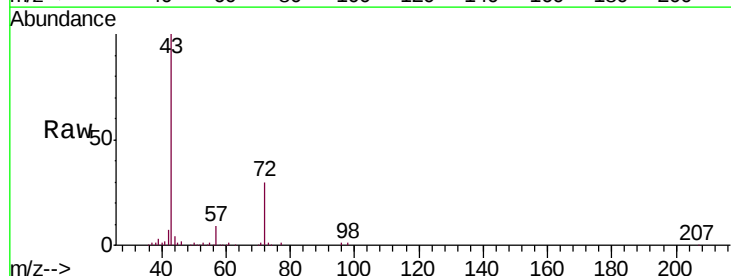
Acq: 13 Feb 2019 15:36

Tgt Ion: 43 Resp: 160160

Ion Ratio Lower Upper

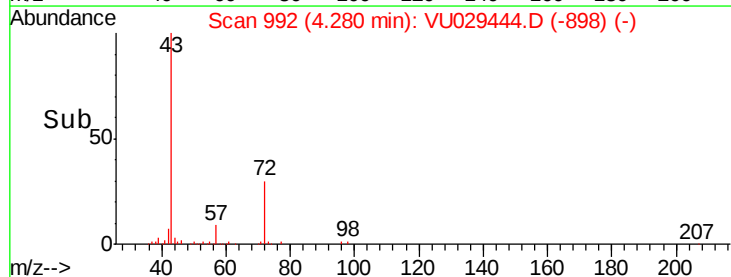
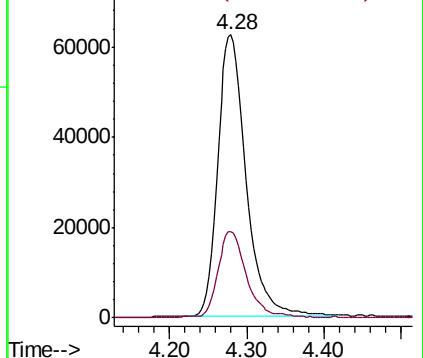
43 100

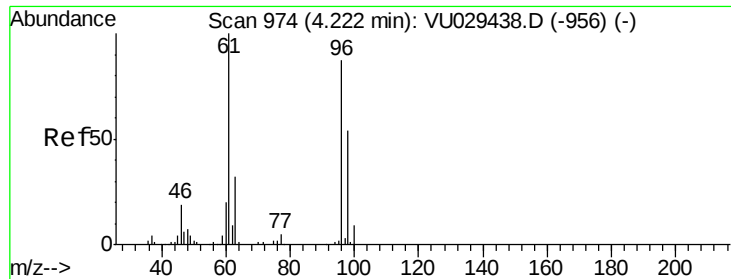
72 30.2 14.7 44.1



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



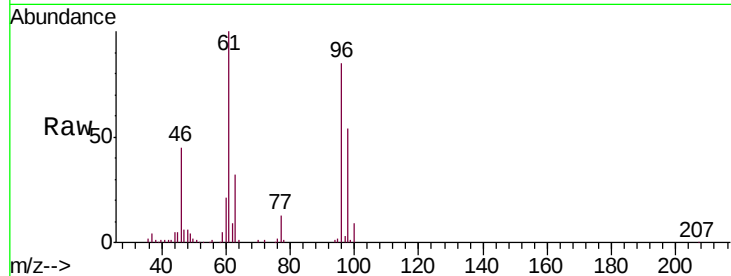


#22

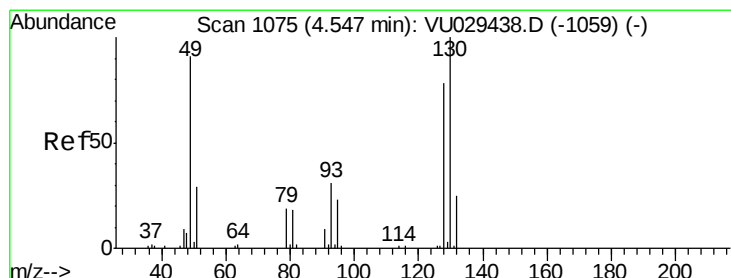
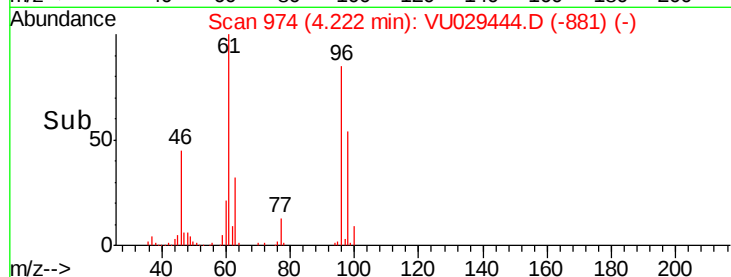
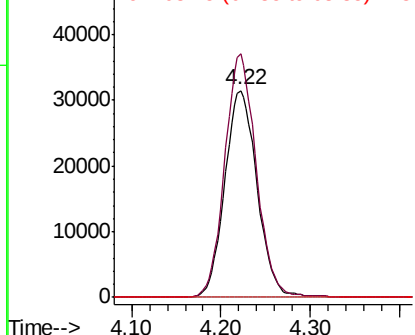
cis-1,2-Dichloroethene
 Concen: 4.713 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU029444.D
 Acq: 13 Feb 2019 15:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00554

Tgt Ion: 96 Resp: 79098
 Ion Ratio Lower Upper
 96 100
 61 117.6 79.9 148.5
 68 0.0 0.0 0.0



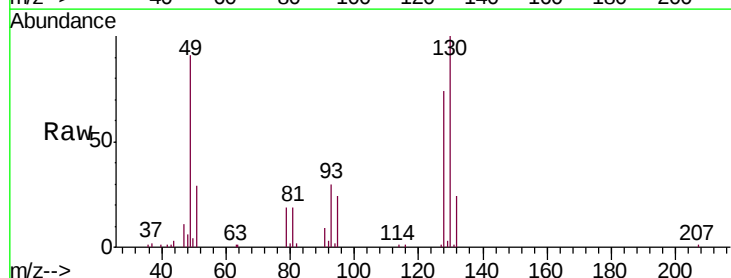
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



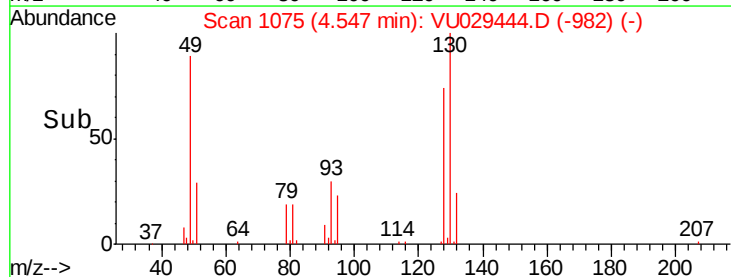
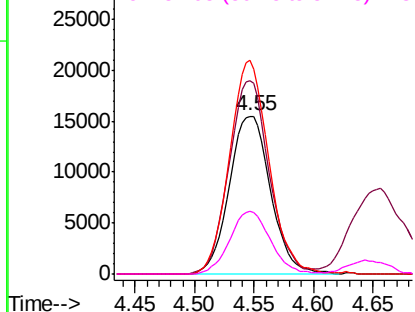
#23

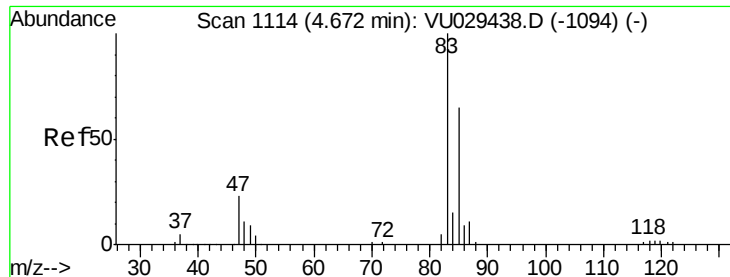
Bromochloromethane
 Concen: 4.920 ug/L
 RT: 4.55 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VU029444.D
 Acq: 13 Feb 2019 15:36

Tgt Ion: 128 Resp: 37277
 Ion Ratio Lower Upper
 128 100
 49 122.7 89.0 165.4
 130 135.3 88.0 163.4
 51 39.7 32.1 48.1



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

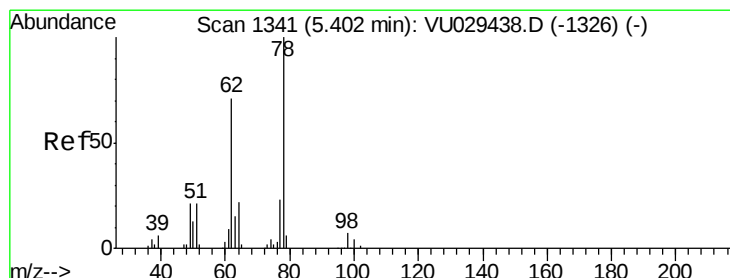
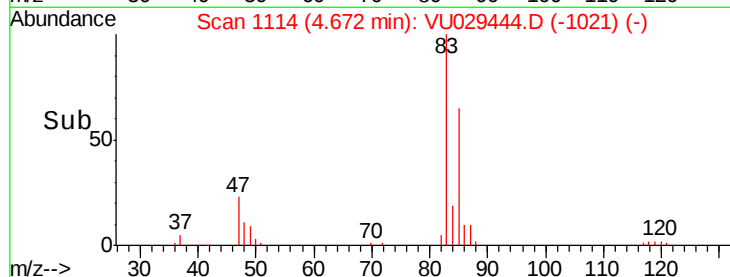
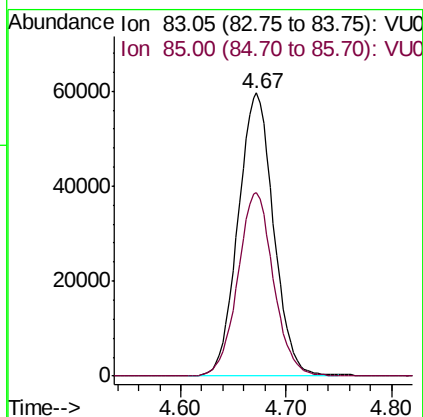
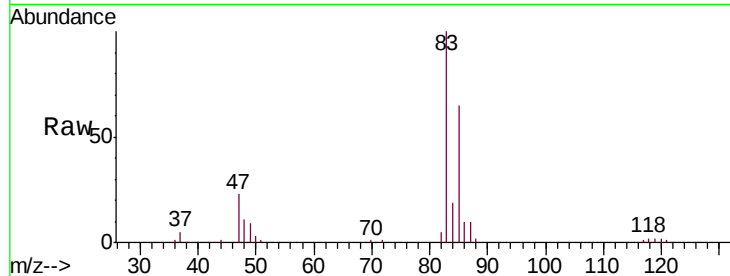




#25
Chloroform
Concen: 5.065 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VU029444.D
Acq: 13 Feb 2019 15:36

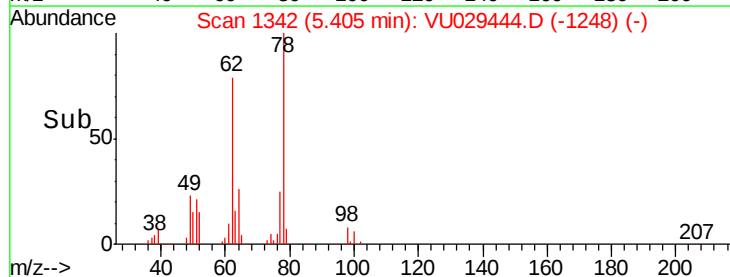
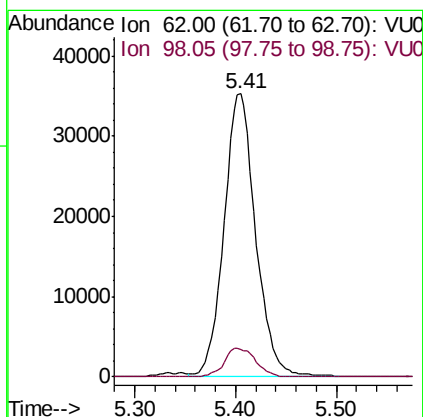
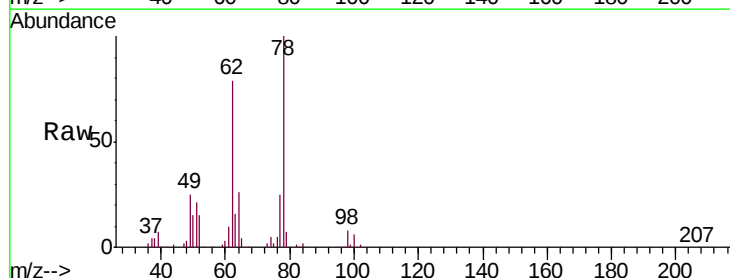
Instrument :
MSVOA_U
ClientSampleId :
VSTD00554

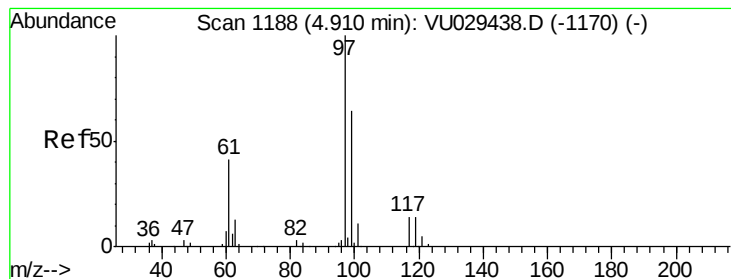
Tgt Ion: 83 Resp: 139320
Ion Ratio Lower Upper
83 100
85 65.1 47.8 88.8



#27
1,2-Dichloroethane
Concen: 4.853 ug/L
RT: 5.41 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VU029444.D
Acq: 13 Feb 2019 15:36

Tgt Ion: 62 Resp: 77232
Ion Ratio Lower Upper
62 100
98 9.7 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 4.678 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00554

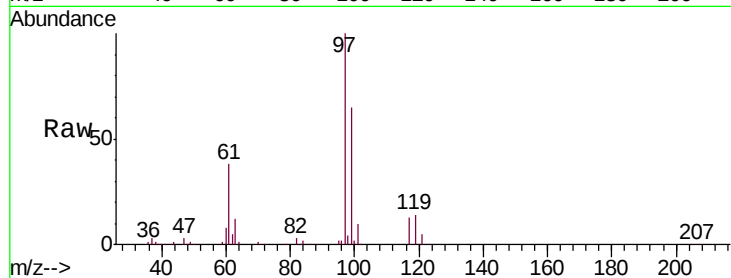
Tgt Ion: 97 Resp: 115144

Ion Ratio Lower Upper

97 100

99 65.1 52.2 78.2

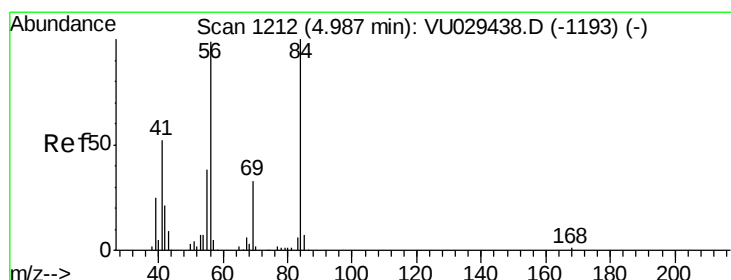
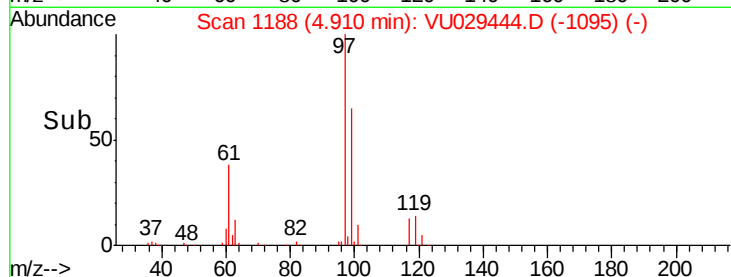
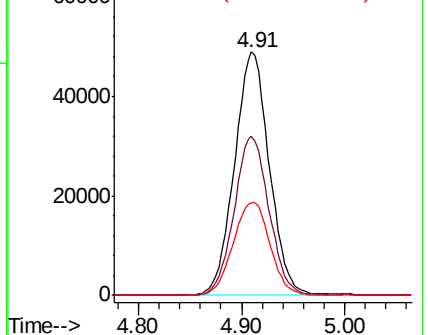
61 40.6 32.0 48.0



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 4.510 ug/L

RT: 4.99 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

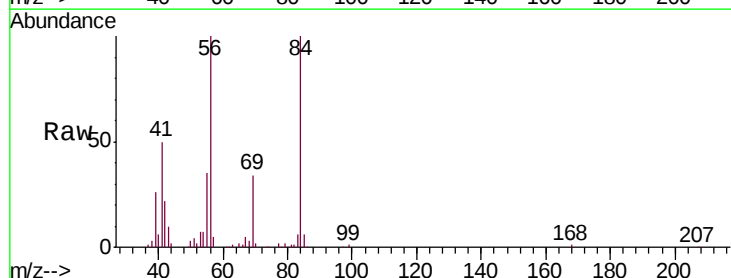
Tgt Ion: 56 Resp: 106369

Ion Ratio Lower Upper

56 100

69 32.7 25.8 38.6

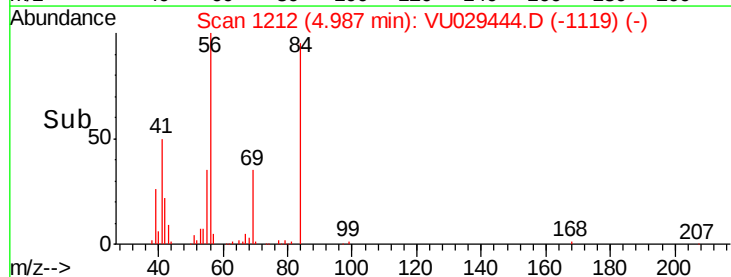
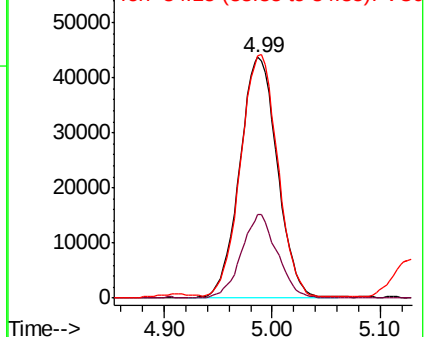
84 99.0 75.0 112.6

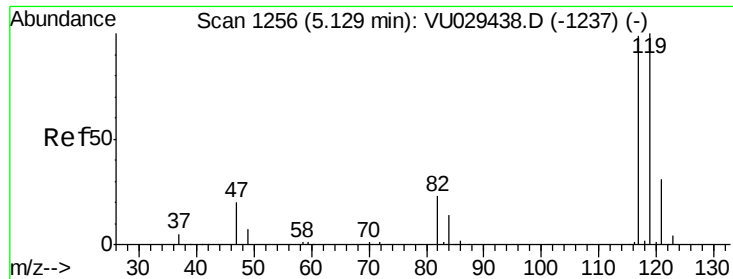


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0

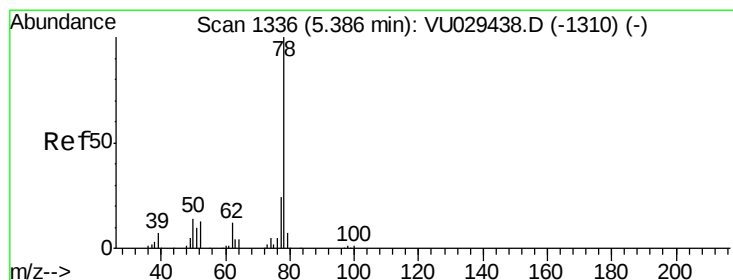
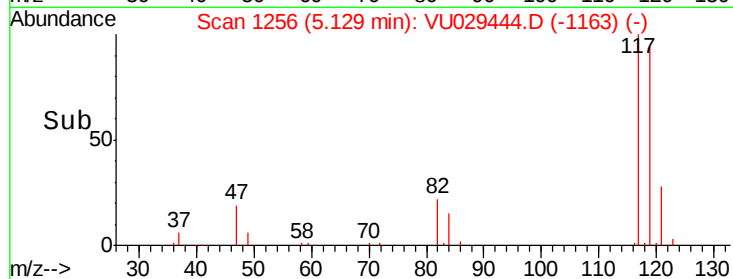
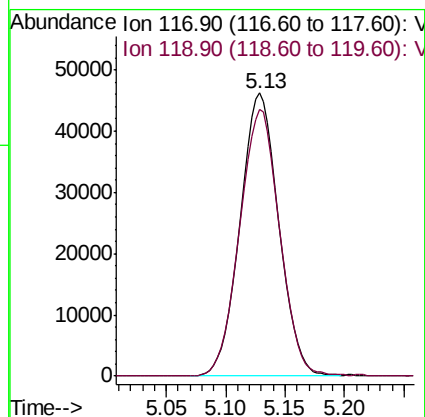
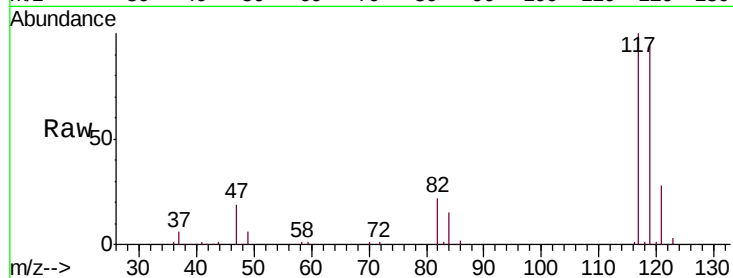




#31
Carbon tetrachloride
Concen: 4.680 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VU029444.D
Acq: 13 Feb 2019 15:36

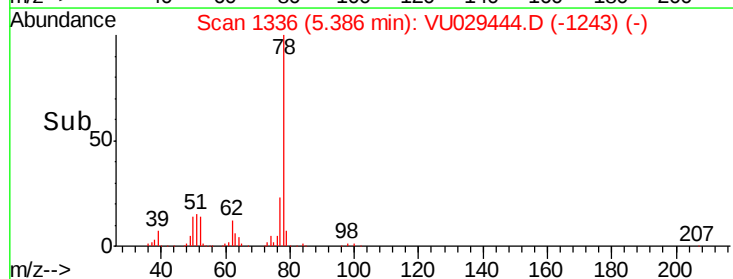
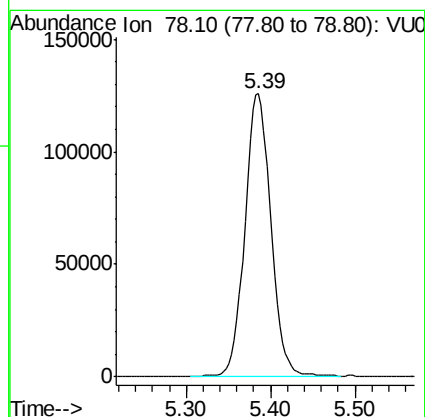
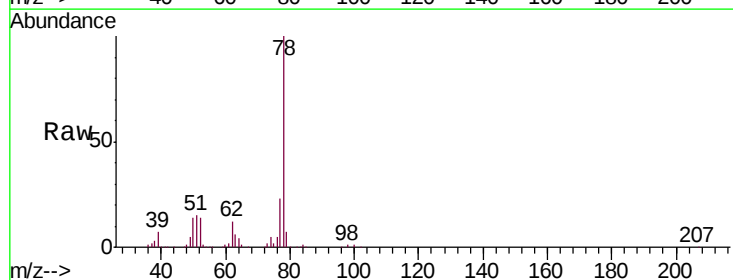
Instrument :
MSVOA_U
ClientSampleId :
VSTD00554

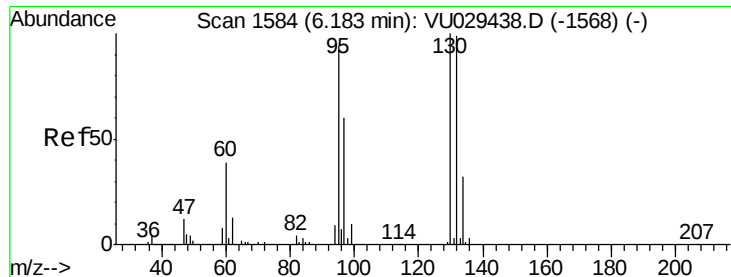
Tgt Ion:117 Resp: 104094
Ion Ratio Lower Upper
117 100
119 97.3 78.1 117.1



#33
Benzene
Concen: 4.640 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU029444.D
Acq: 13 Feb 2019 15:36

Tgt Ion: 78 Resp: 271803





#34

Trichloroethene

Concen: 4.739 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00554

Tgt Ion: 95 Resp: 78058

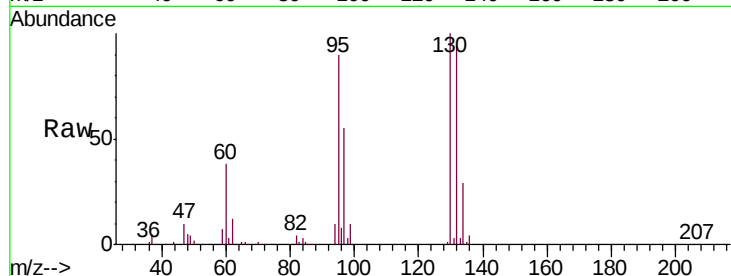
Ion Ratio Lower Upper

95 100

97 61.5 46.3 86.1

132 104.6 72.9 135.3

130 111.0 79.2 147.0

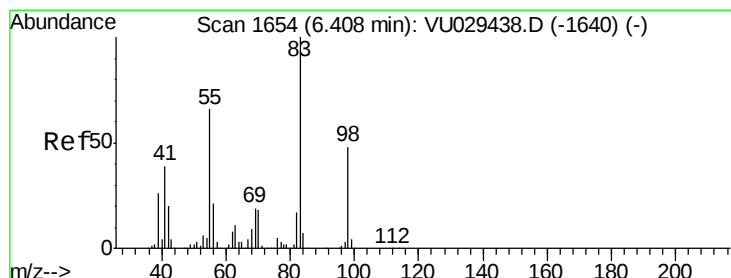
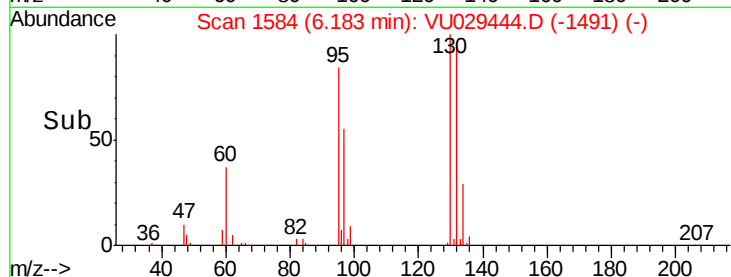
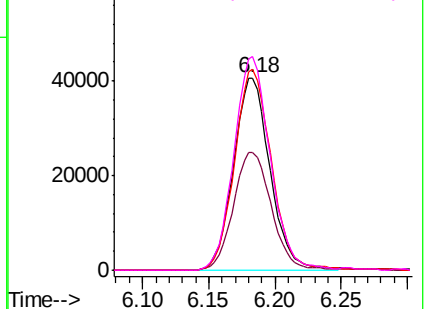


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.671 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

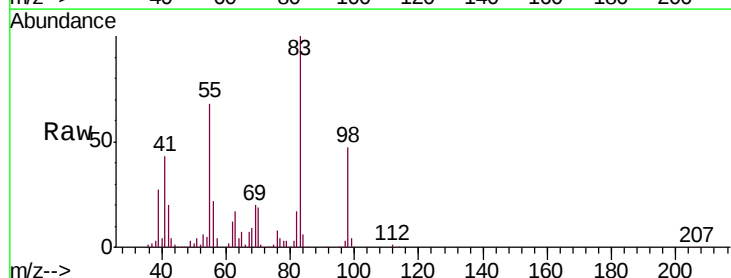
Tgt Ion: 83 Resp: 129434

Ion Ratio Lower Upper

83 100

55 67.8 55.9 83.9

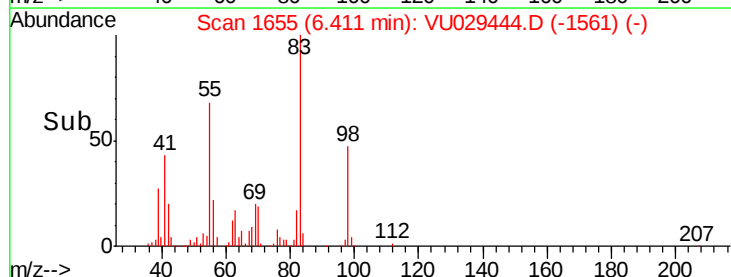
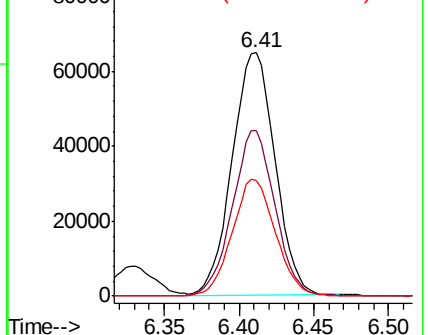
98 48.6 38.6 57.8

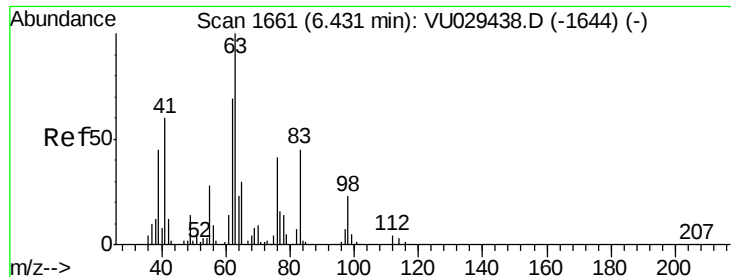


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.672 ug/L

RT: 6.43 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

Instrument :

MSVOA_U

ClientSampleId :

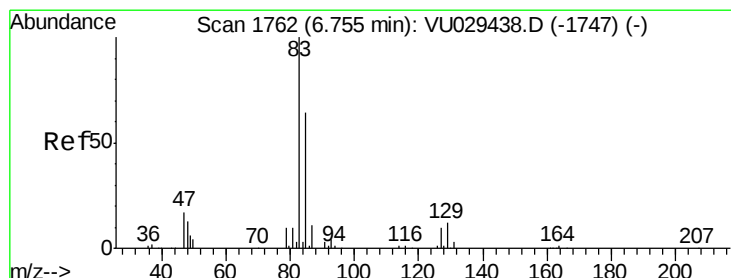
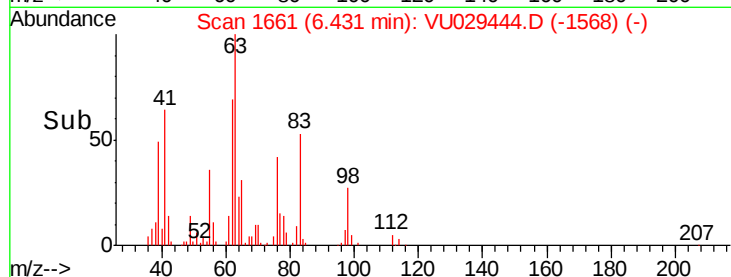
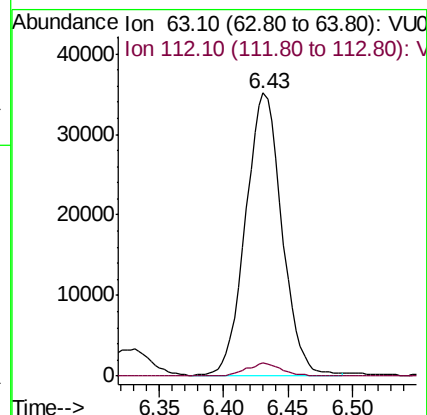
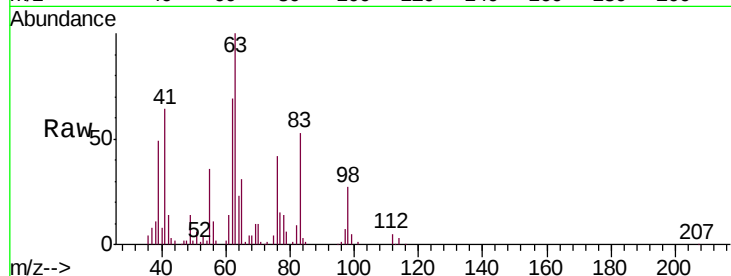
VSTD00554

Tgt Ion: 63 Resp: 68554

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 4.685 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

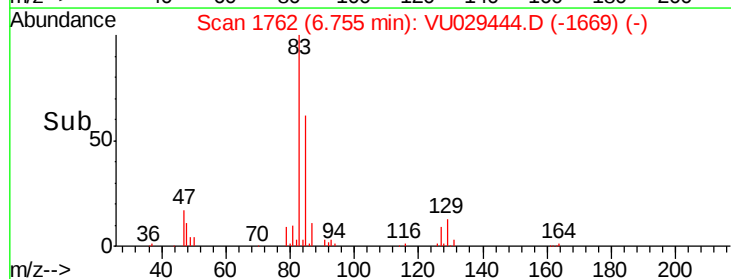
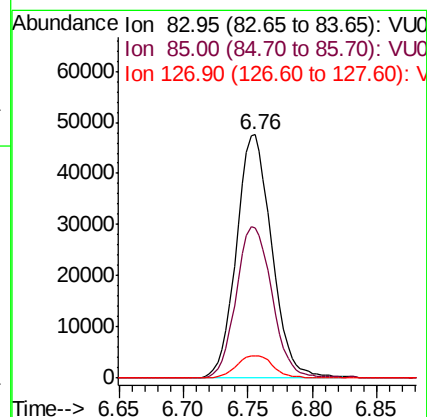
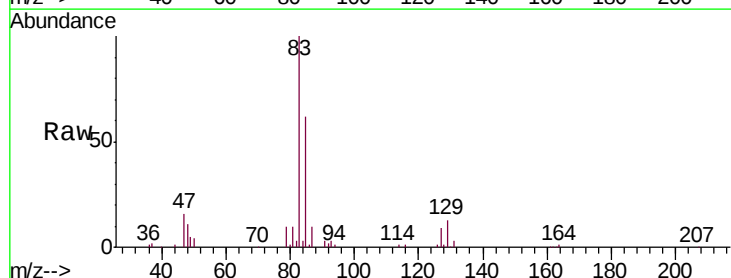
Tgt Ion: 83 Resp: 90841

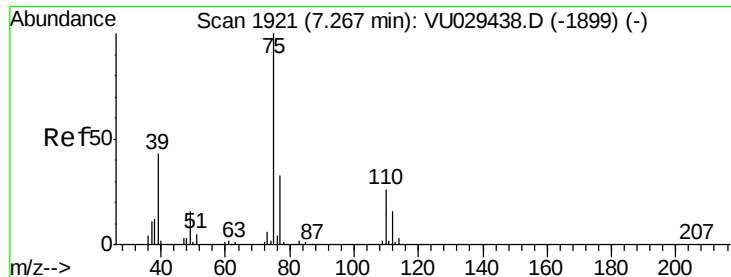
Ion Ratio Lower Upper

83 100

85 61.6 45.1 83.7

127 9.0 7.8 11.8



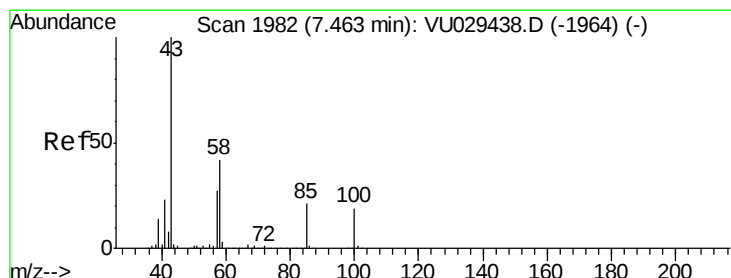
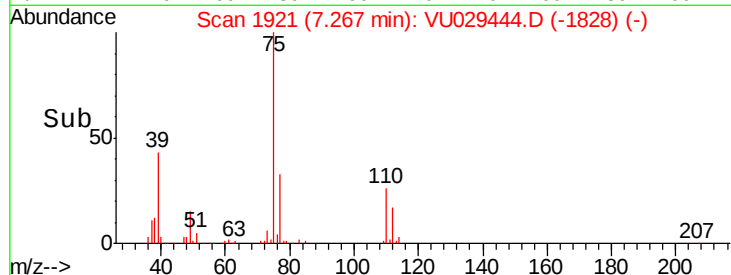
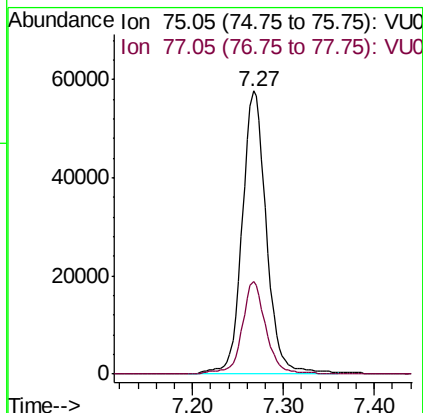
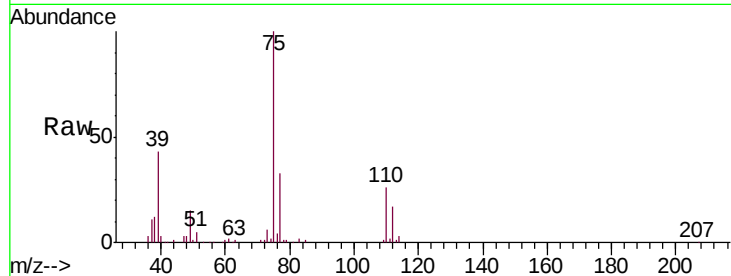


#39

cis-1,3-Dichloropropene
 Concen: 4.630 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029444.D
 Acq: 13 Feb 2019 15:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00554

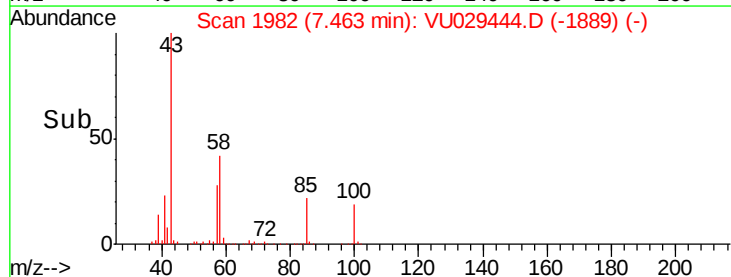
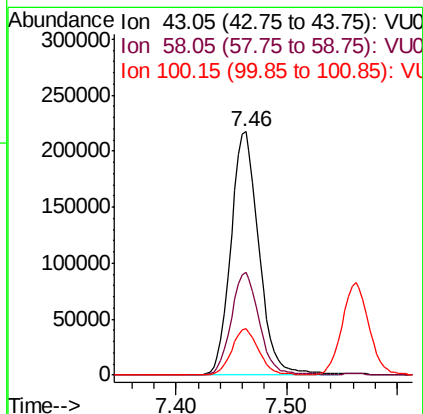
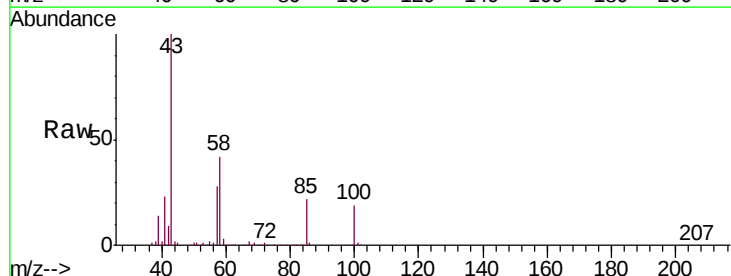
Tgt Ion: 75 Resp: 106906
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.3 41.3

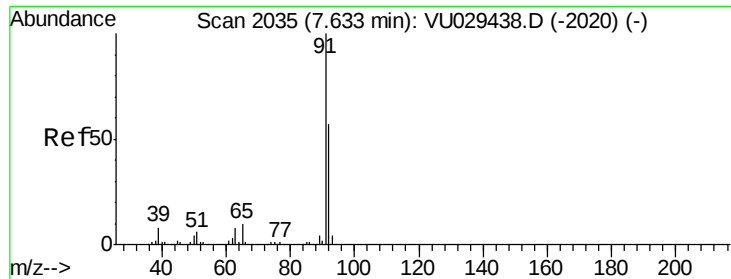


#40

4-Methyl-2-pentanone
 Concen: 45.430 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VU029444.D
 Acq: 13 Feb 2019 15:36

Tgt Ion: 43 Resp: 384223
 Ion Ratio Lower Upper
 43 100
 58 42.1 33.4 50.2
 100 18.5 14.4 21.6





#42

Toluene

Concen: 4.747 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

Instrument :

MSVOA_U

ClientSampleId :

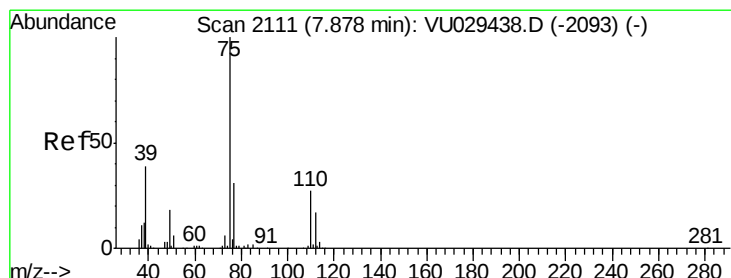
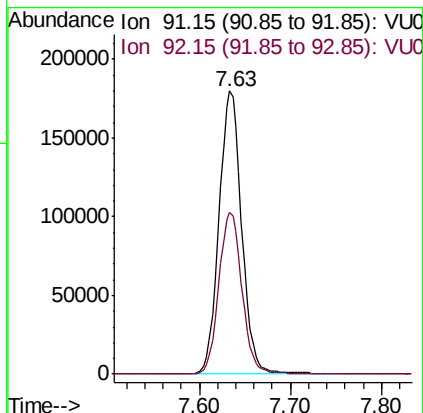
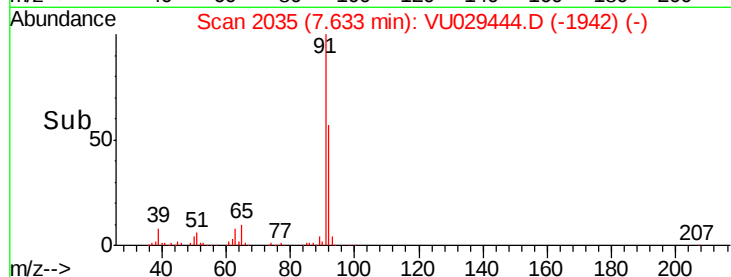
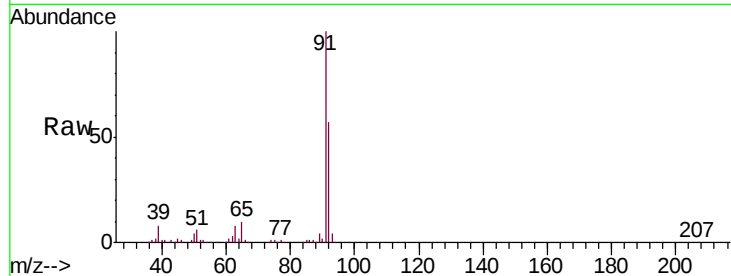
VSTD00554

Tgt Ion: 91 Resp: 312125

Ion Ratio Lower Upper

91 100

92 57.2 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 4.577 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029444.D

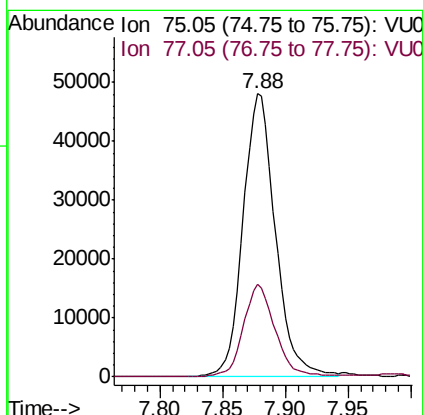
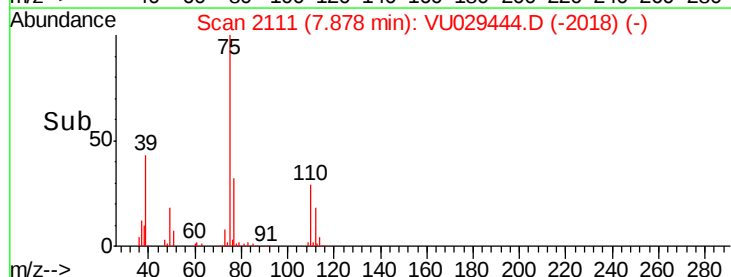
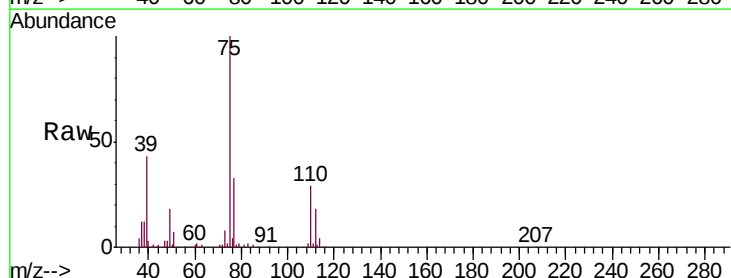
Acq: 13 Feb 2019 15:36

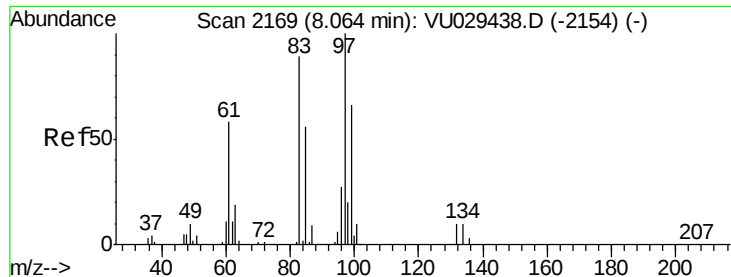
Tgt Ion: 75 Resp: 86792

Ion Ratio Lower Upper

75 100

77 32.6 22.2 41.2

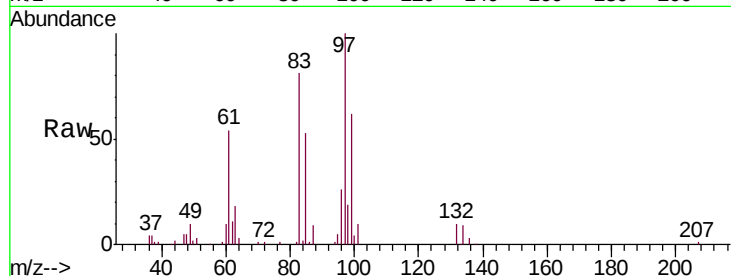




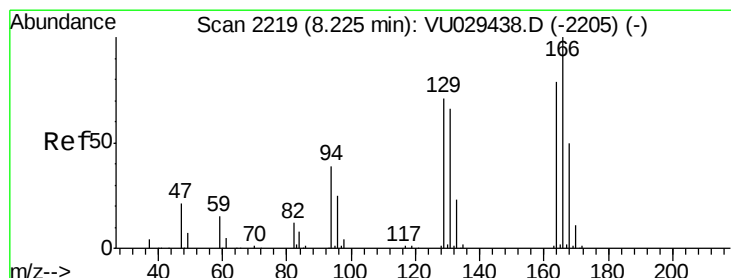
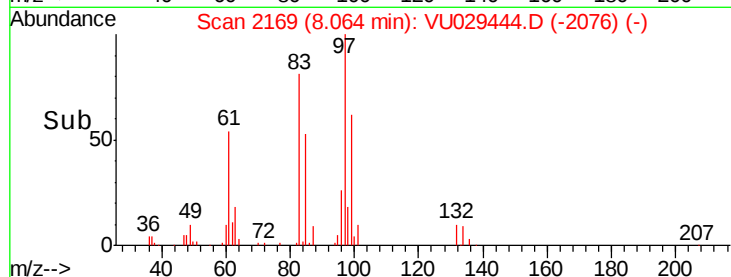
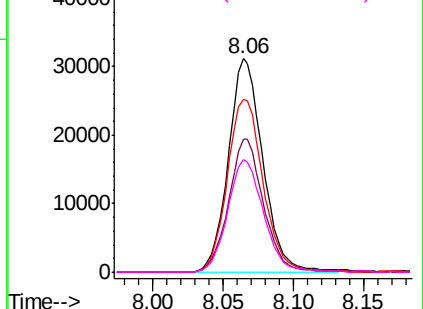
#45
 1,1,2-Trichloroethane
 Concen: 4.741 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029444.D
 Acq: 13 Feb 2019 15:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00554

Tgt Ion:	97	Resp:	53287
Ion	Ratio	Lower	Upper
97	100		
99	62.2	41.6	77.2
83	80.9	55.8	103.6
85	52.7	37.2	69.0

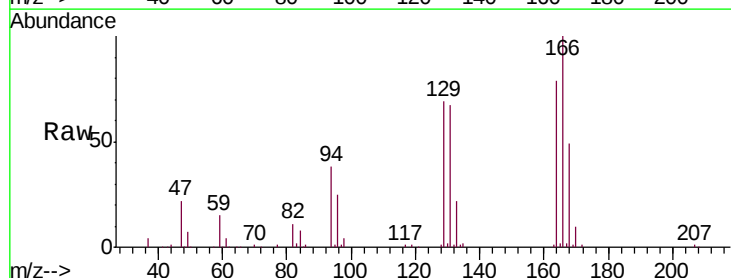


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

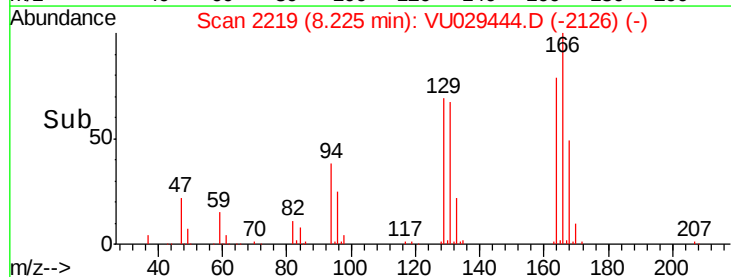
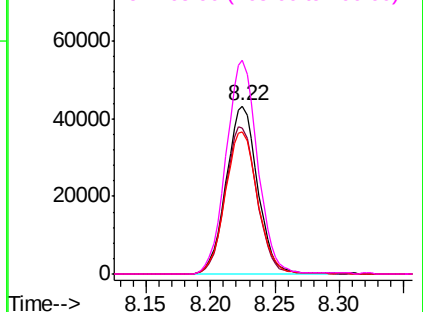


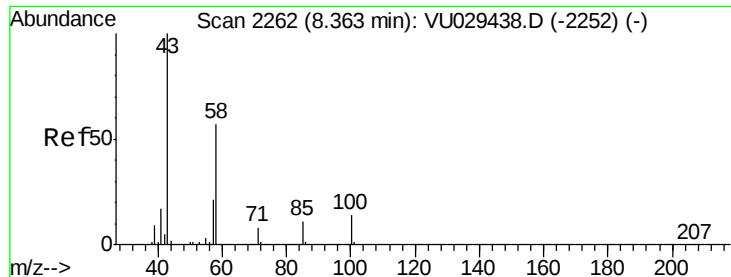
#47
 Tetrachloroethene
 Concen: 4.849 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU029444.D
 Acq: 13 Feb 2019 15:36

Tgt Ion:	164	Resp:	73162
Ion	Ratio	Lower	Upper
164	100		
129	87.0	62.9	116.9
131	84.5	62.1	115.3
166	127.0	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

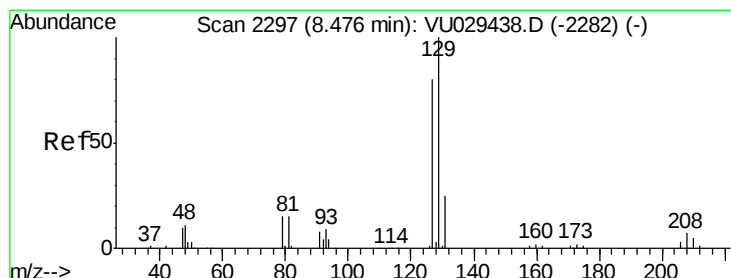
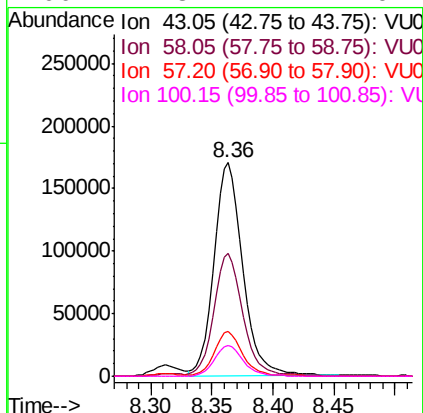
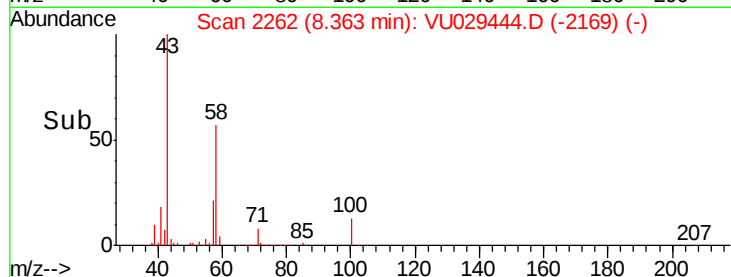
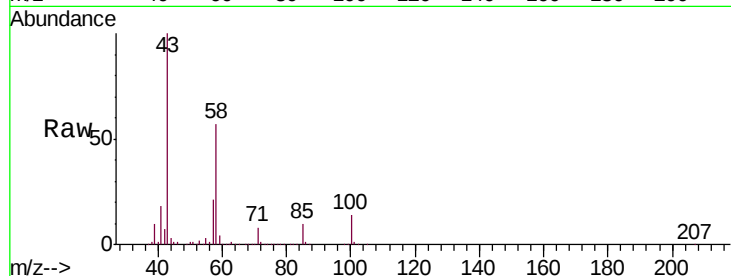




#48
2-Hexanone
Concen: 45.867 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VU029444.D
Acq: 13 Feb 2019 15:36

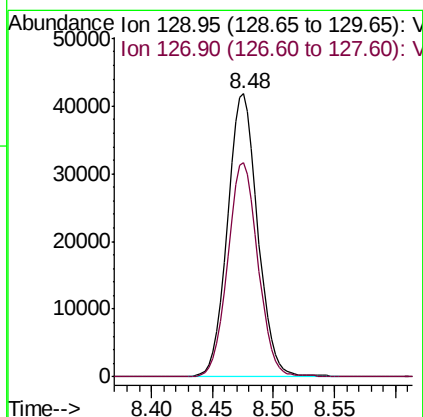
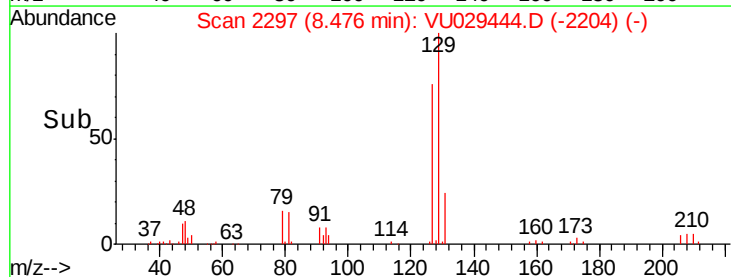
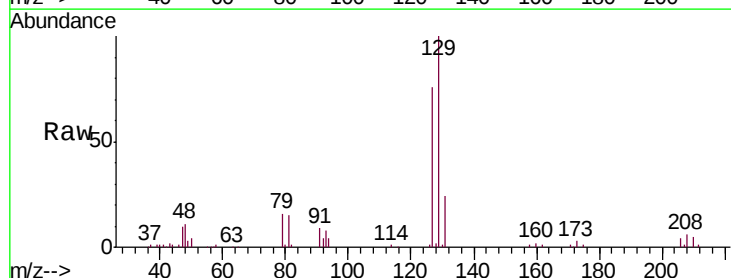
Instrument :
MSVOA_U
ClientSampleId :
VSTD00554

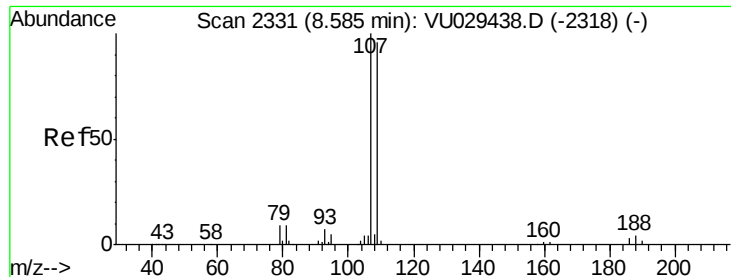
Tgt Ion: 43 Resp: 282723
Ion Ratio Lower Upper
43 100
58 57.6 45.7 68.5
57 20.7 16.4 24.6
100 14.8 11.1 16.7



#49
Dibromochloromethane
Concen: 4.778 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VU029444.D
Acq: 13 Feb 2019 15:36

Tgt Ion: 129 Resp: 72372
Ion Ratio Lower Upper
129 100
127 75.8 53.3 99.1





#50

1,2-Dibromoethane

Concen: 4.799 ug/L

RT: 8.58 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00554

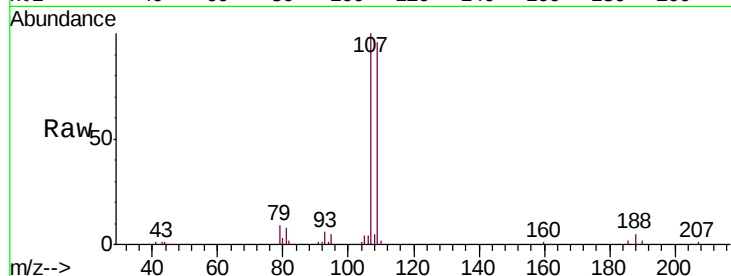
Tgt Ion:107 Resp: 53382

Ion Ratio Lower Upper

107 100

109 96.0 64.1 119.1

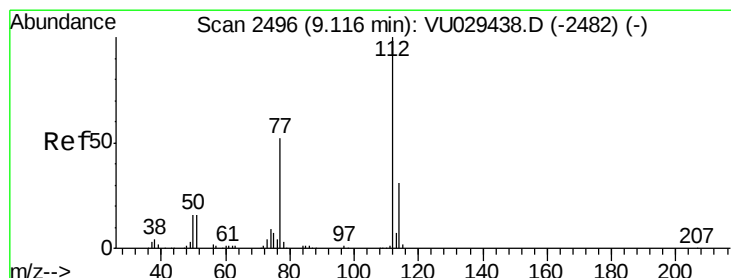
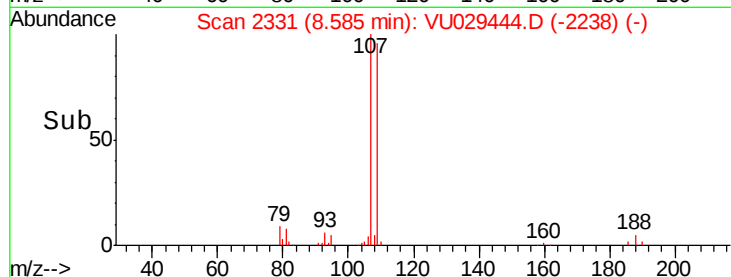
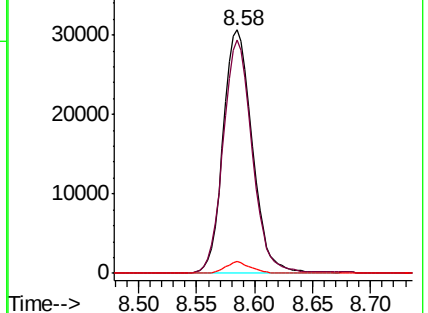
188 4.9 3.7 5.5



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.708 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

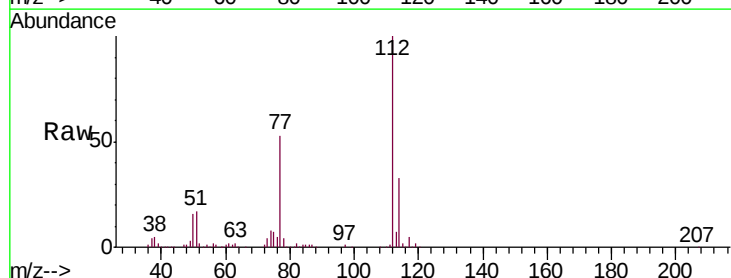
Tgt Ion:112 Resp: 212872

Ion Ratio Lower Upper

112 100

114 32.7 22.9 42.5

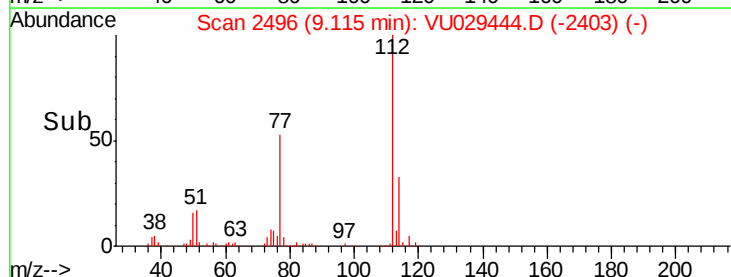
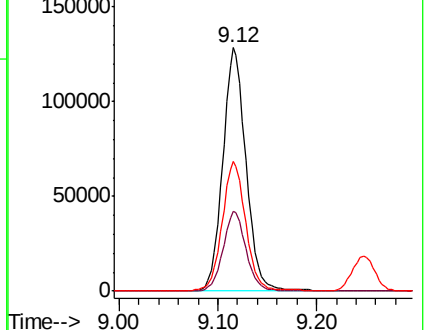
77 53.0 41.8 62.6

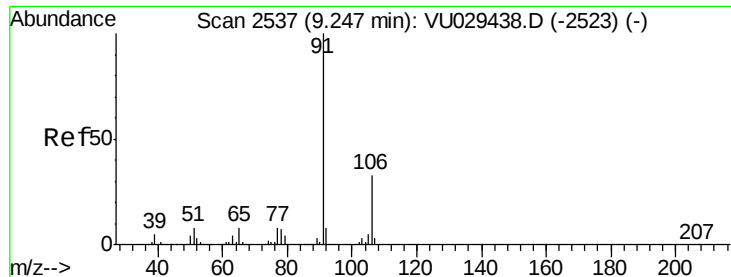


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 4.720 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

Instrument :

MSVOA_U

ClientSampleId :

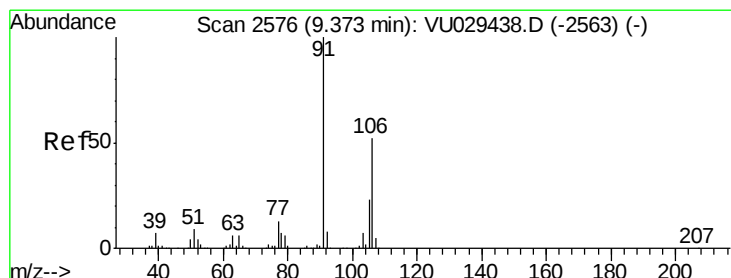
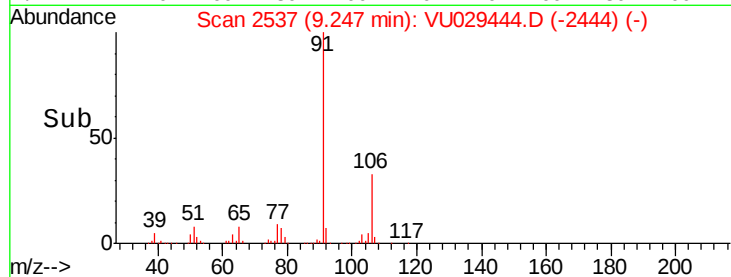
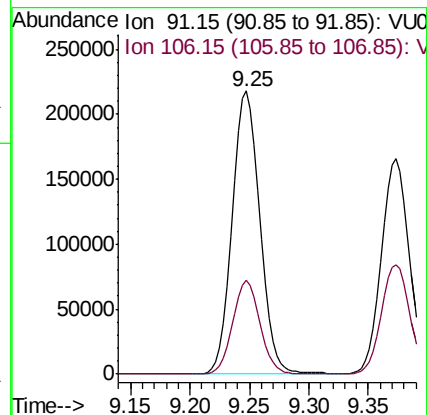
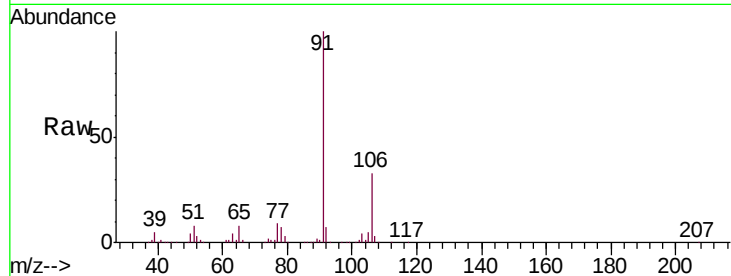
VSTD00554

Tgt Ion: 91 Resp: 351380

Ion Ratio Lower Upper

91 100

106 33.1 22.8 42.4



#53

m,p-xylene

Concen: 4.758 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU029444.D

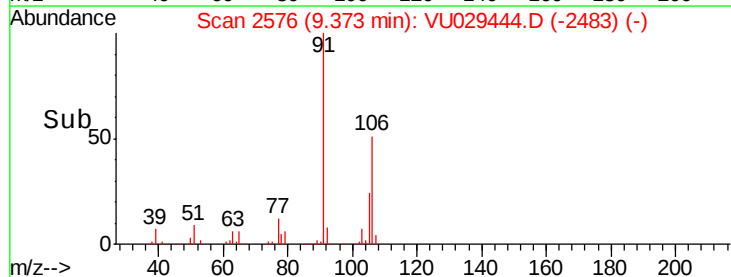
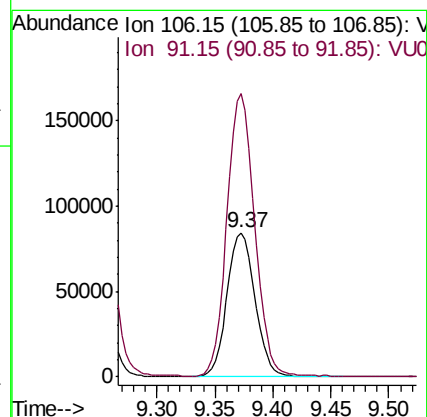
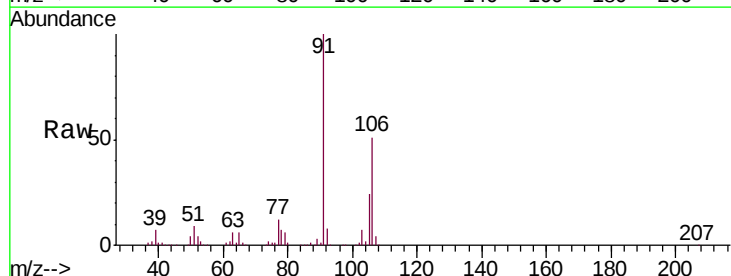
Acq: 13 Feb 2019 15:36

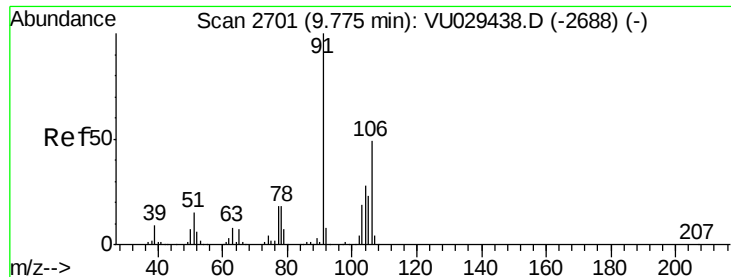
Tgt Ion: 106 Resp: 141254

Ion Ratio Lower Upper

106 100

91 196.4 135.7 251.9





#54

o-xylene

Concen: 4.725 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

Instrument :

MSVOA_U

ClientSampleId :

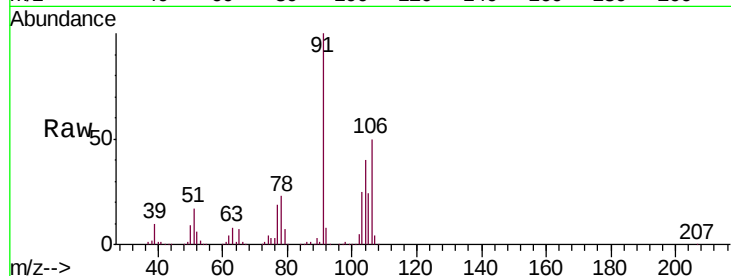
VSTD00554

Tgt Ion:106 Resp: 137671

Ion Ratio Lower Upper

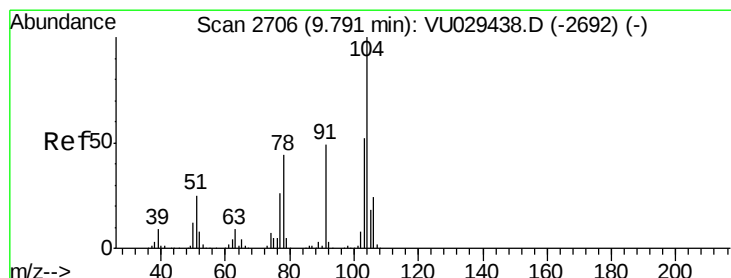
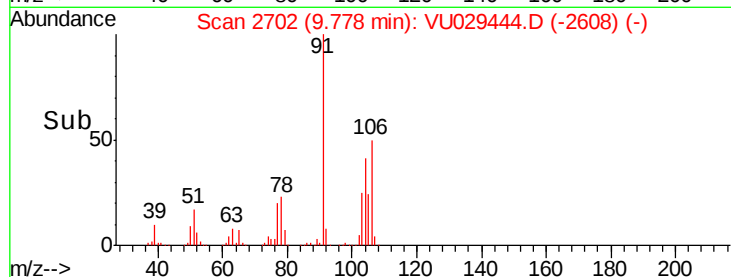
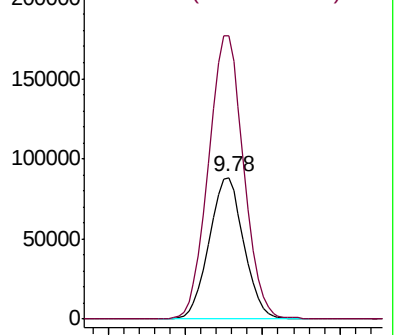
106 100

91 199.4 145.1 269.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 4.723 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VU029444.D

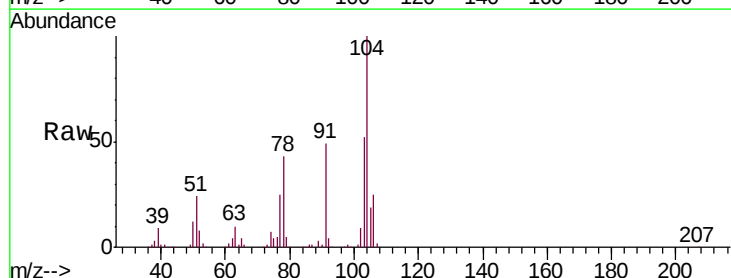
Acq: 13 Feb 2019 15:36

Tgt Ion:104 Resp: 228493

Ion Ratio Lower Upper

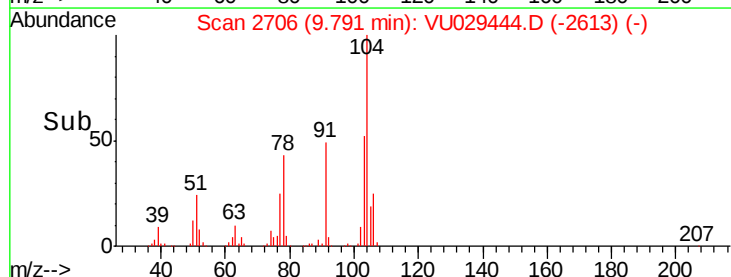
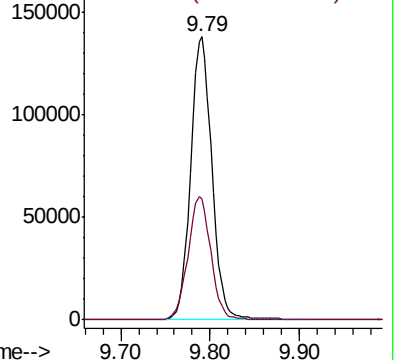
104 100

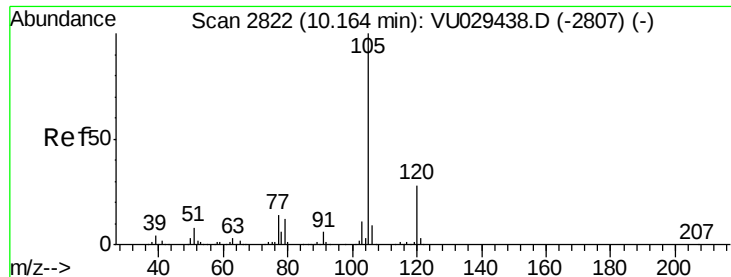
78 42.5 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.777 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00554

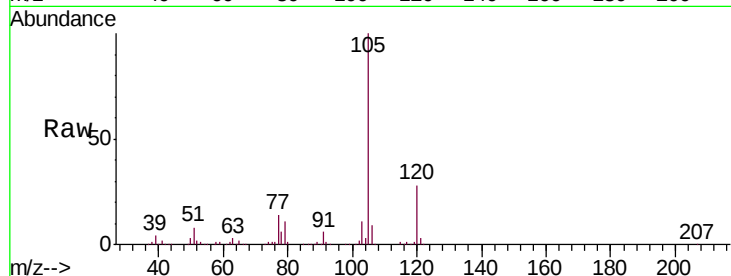
Tgt Ion: 105 Resp: 367154

Ion Ratio Lower Upper

105 100

120 27.8 22.2 33.4

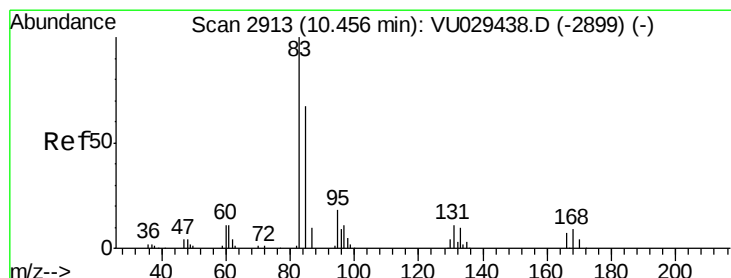
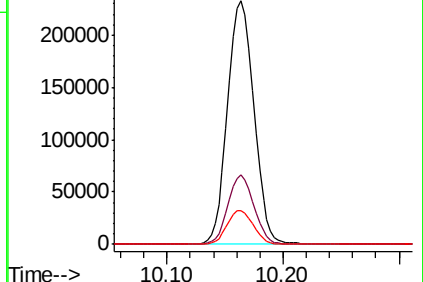
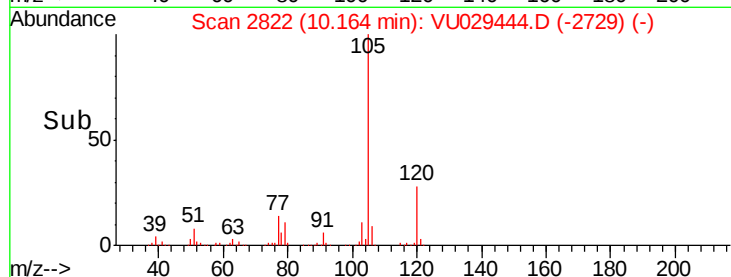
77 13.9 11.5 17.3



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: 4.731 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

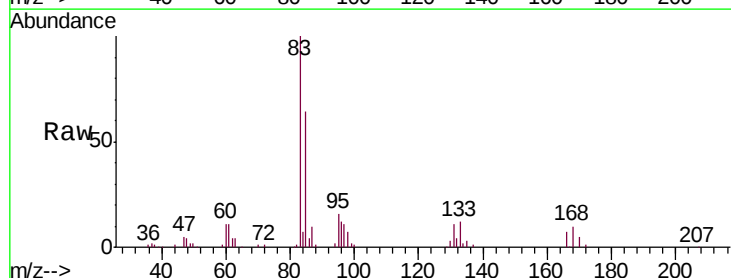
Tgt Ion: 83 Resp: 64896

Ion Ratio Lower Upper

83 100

85 64.5 46.5 86.3

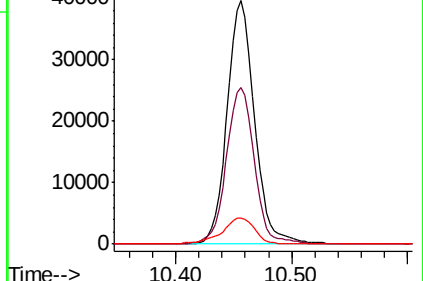
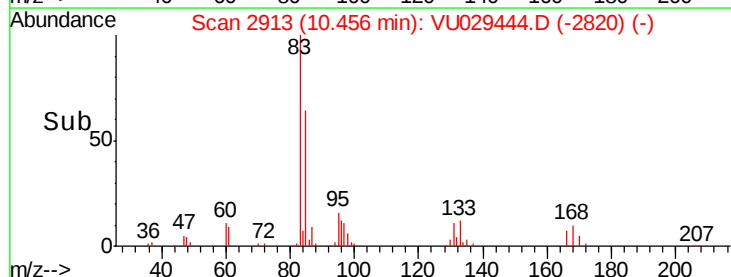
131 10.8 8.3 12.5

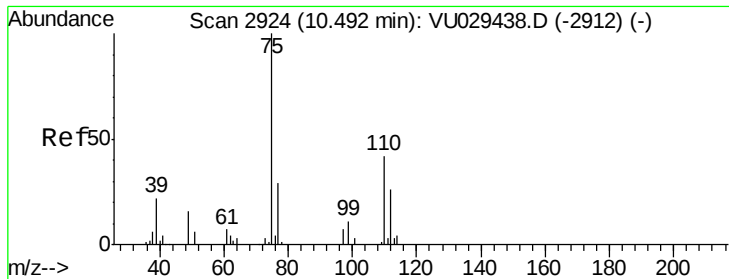


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

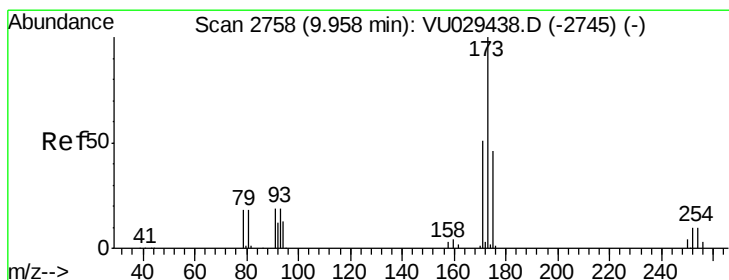
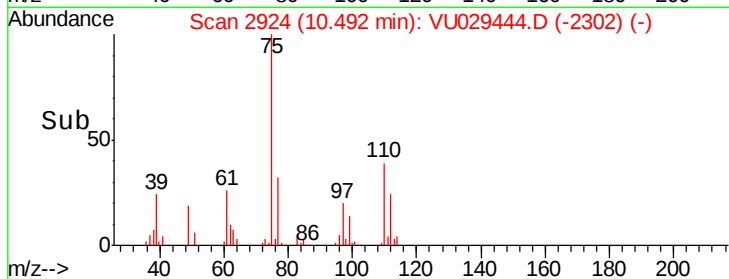
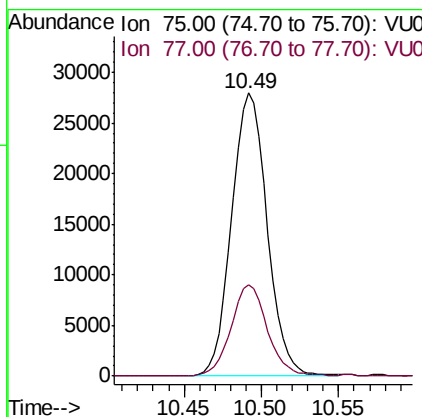
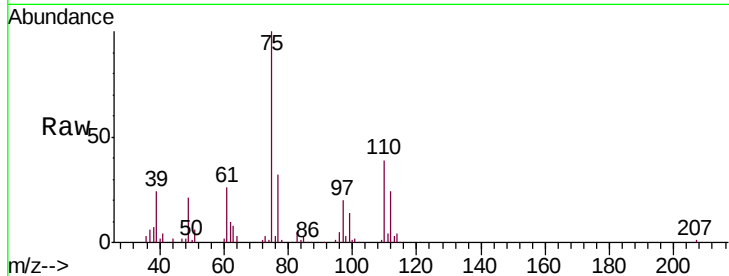




#59
 1,2,3-Trichloropropane
 Concen: 4.742 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU029444.D
 Acq: 13 Feb 2019 15:36

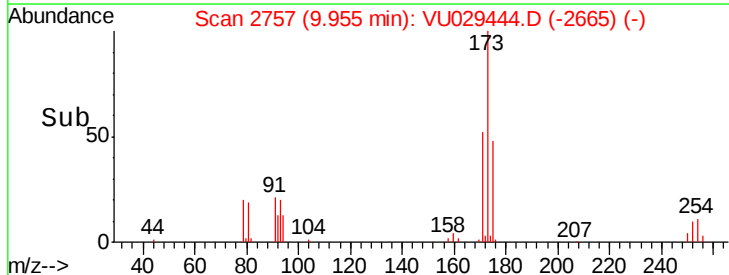
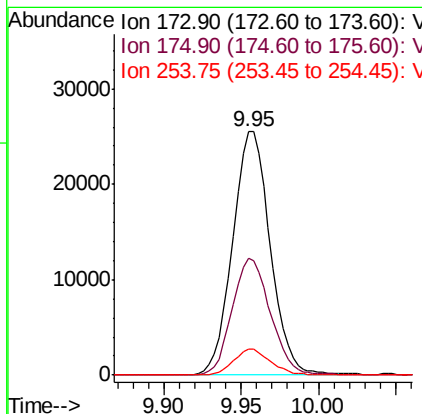
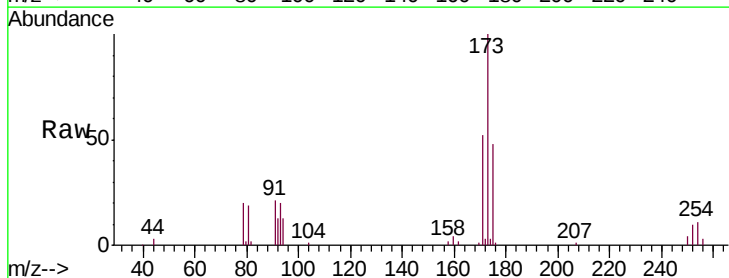
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00554

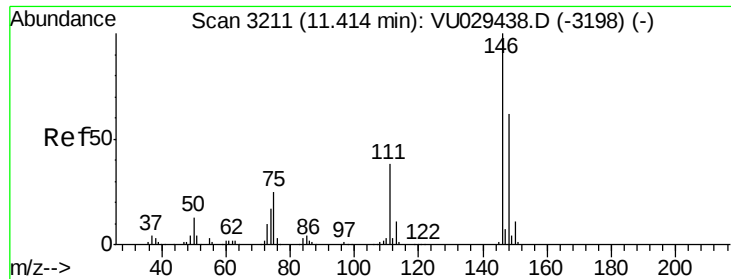
Tgt Ion: 75 Resp: 44627
 Ion Ratio Lower Upper
 75 100
 77 32.9 28.2 42.2



#61
 Bromoform
 Concen: 4.568 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU029444.D
 Acq: 13 Feb 2019 15:36

Tgt Ion: 173 Resp: 43045
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.2 58.8
 254 10.3 7.8 11.6





#62

1,3-Dichlorobenzene

Concen: 4.675 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00554

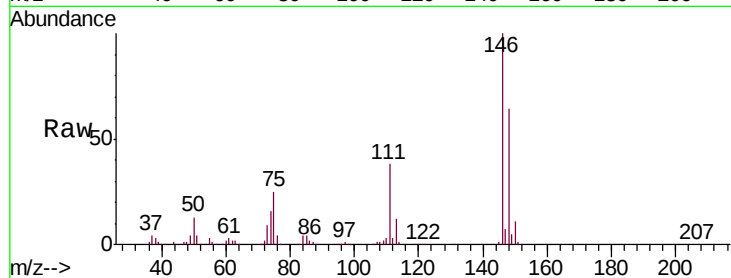
Tgt Ion:146 Resp: 184348

Ion Ratio Lower Upper

146 100

111 38.4 26.1 48.5

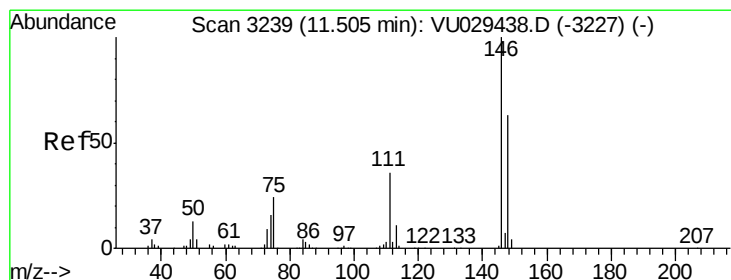
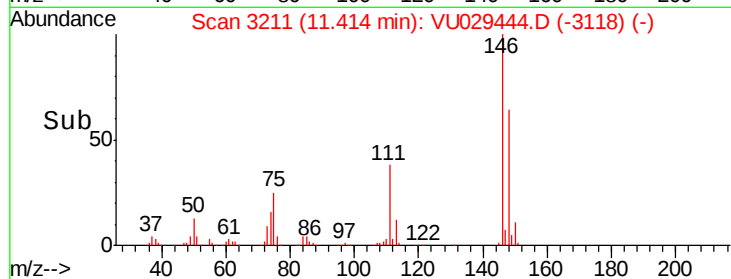
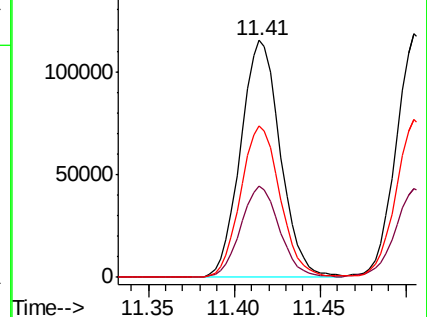
148 63.9 44.7 82.9



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: 4.775 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

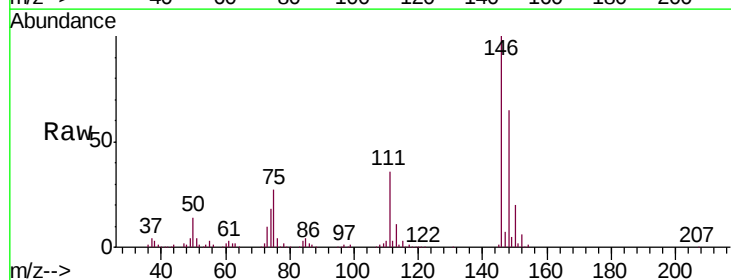
Tgt Ion:146 Resp: 188028

Ion Ratio Lower Upper

146 100

111 36.2 25.6 47.6

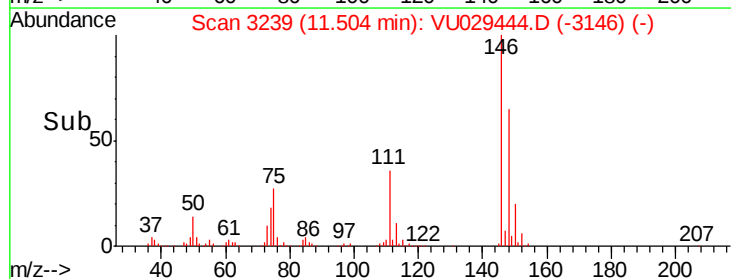
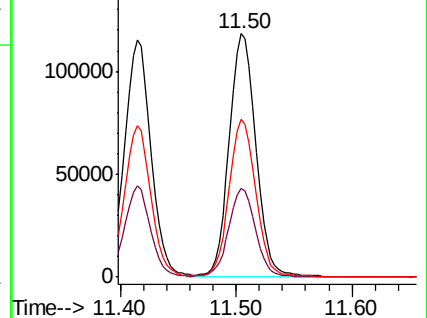
148 64.7 44.2 82.0

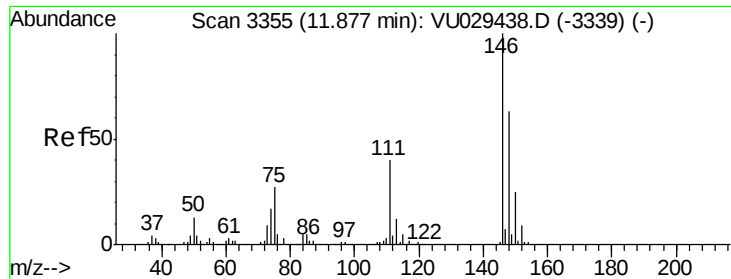


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

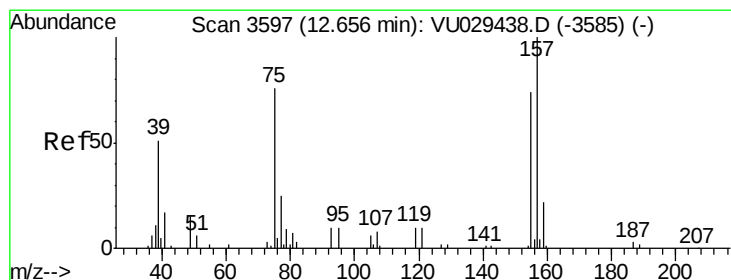
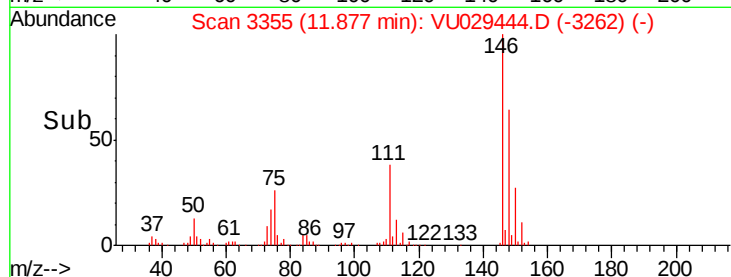
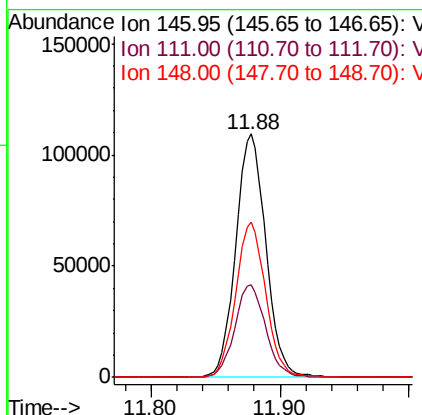
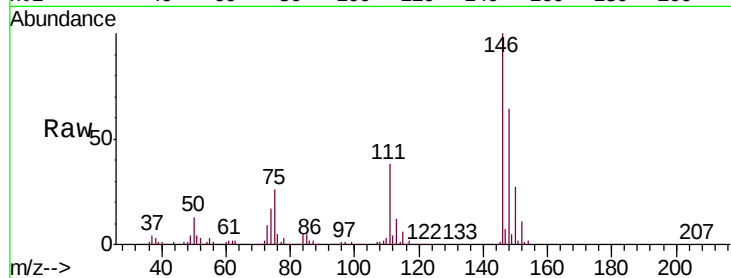




#65
 1,2-Dichlorobenzene
 Concen: 4.779 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VU029444.D
 Acq: 13 Feb 2019 15:36

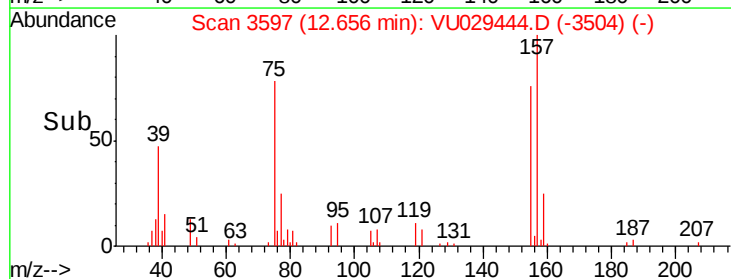
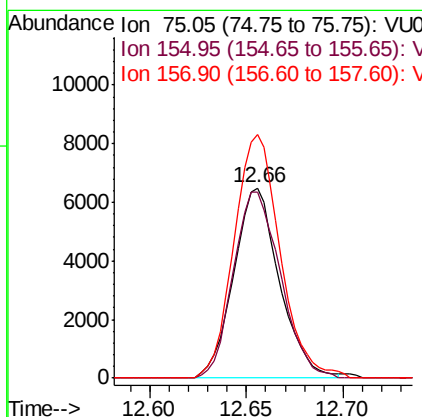
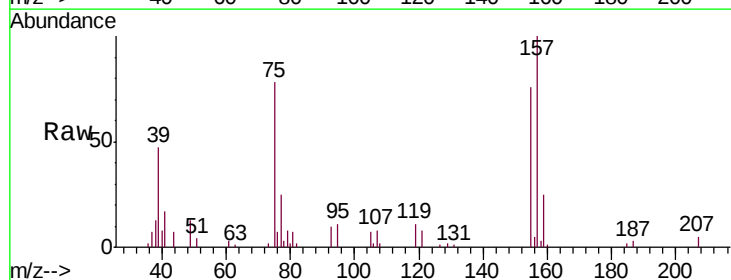
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00554

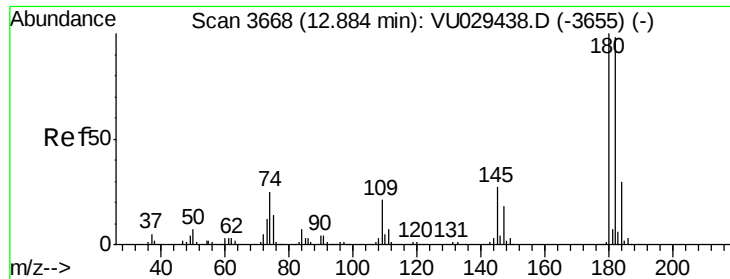
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	30.9	46.3
148	63.6	51.0	76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.592 ug/L
 RT: 12.66 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VU029444.D
 Acq: 13 Feb 2019 15:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	75.3	112.9
157	128.0	103.0	154.4

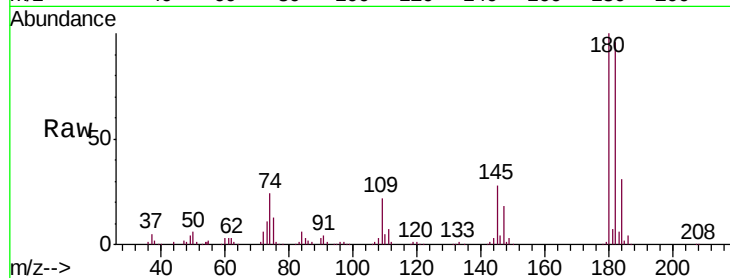




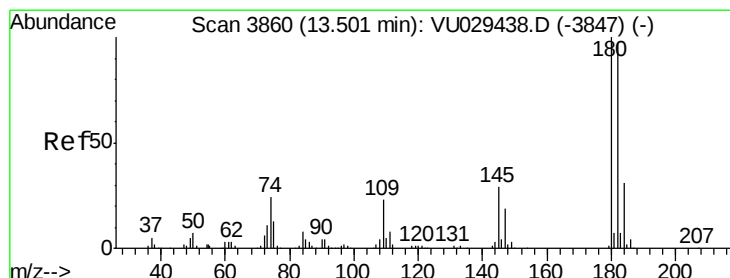
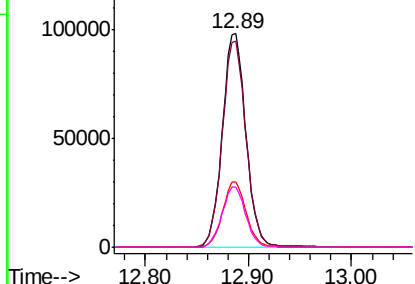
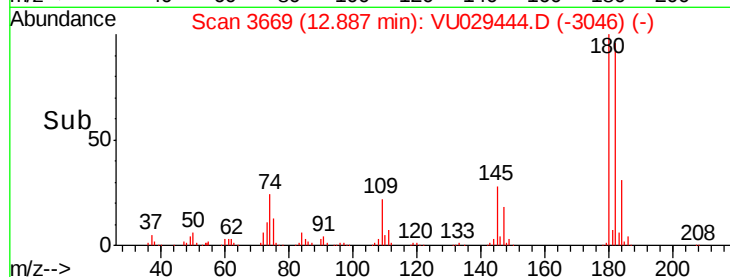
#67
 1,3,5-Trichlorobenzene
 Concen: 4.766 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.00 min
 Lab File: VU029444.D
 Acq: 13 Feb 2019 15:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00554

Tgt Ion:180 Resp: 155948
 Ion Ratio Lower Upper
 180 100
 182 97.5 76.0 114.0
 184 30.5 24.1 36.1
 145 28.4 22.6 34.0

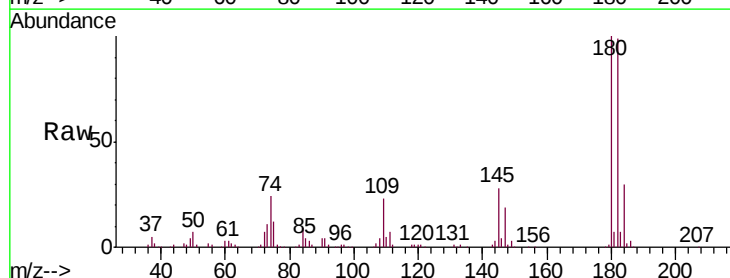


Abundance Ion 180.00 (179.70 to 180.70): V
 150000 Ion 182.00 (181.70 to 182.70): V
 100000 Ion 184.00 (183.70 to 184.70): V
 50000 Ion 145.00 (144.70 to 145.70): V

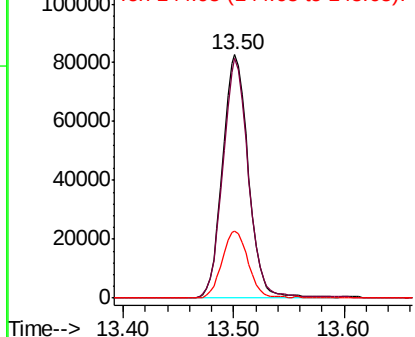
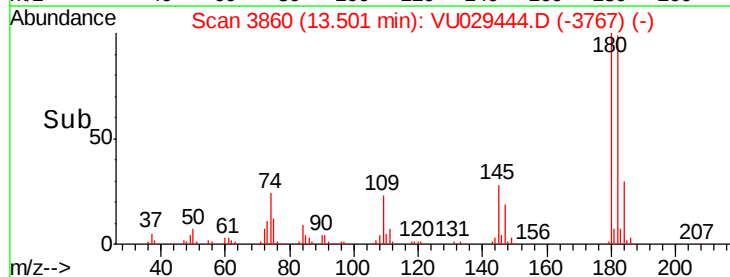


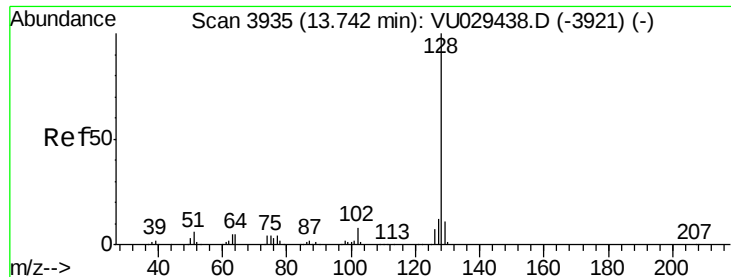
#68
 1,2,4-trichlorobenzene
 Concen: 4.901 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU029444.D
 Acq: 13 Feb 2019 15:36

Tgt Ion:180 Resp: 135051
 Ion Ratio Lower Upper
 180 100
 182 97.0 77.1 115.7
 145 27.7 23.1 34.7



Abundance Ion 179.90 (179.60 to 180.60): V
 100000 Ion 182.00 (181.70 to 182.70): V
 80000 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.429 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. -0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00554

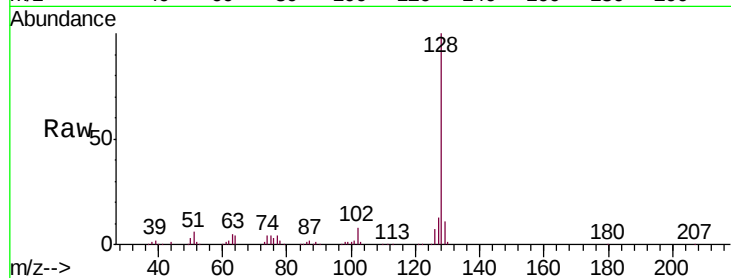
Tgt Ion:128 Resp: 210764

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

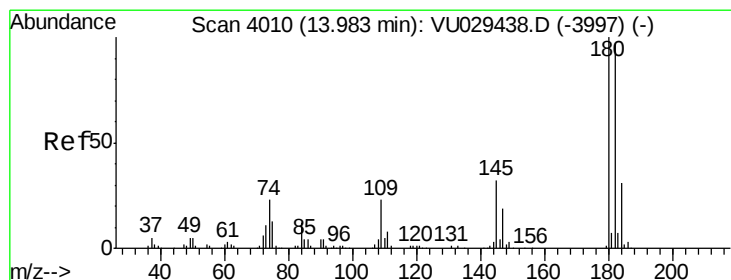
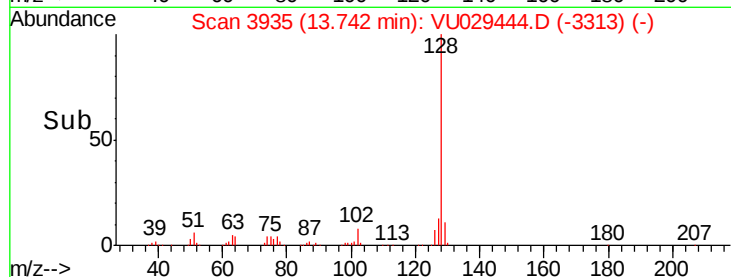
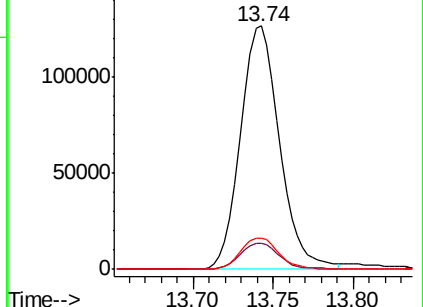
127 12.7 10.3 15.5



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: 4.671 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU029444.D

Acq: 13 Feb 2019 15:36

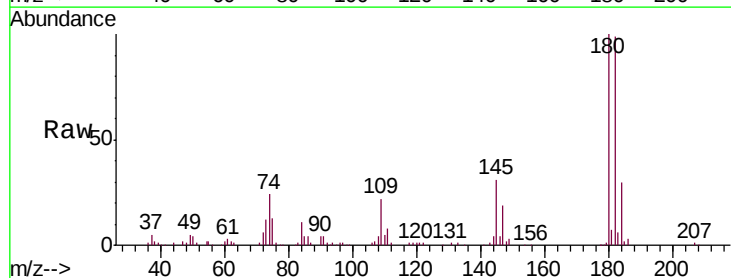
Tgt Ion:180 Resp: 123064

Ion Ratio Lower Upper

180 100

182 96.1 75.9 113.9

145 30.4 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

