

Data File : VU029488.D
Acq On : 15 Feb 2019 10:45
Operator : JC/SP
Sample : VSTD01042
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01042

Quant Time: Feb 15 22:30:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 15 22:27:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	404729	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	383447	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	195805	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	29341	9.31	ug/L	0.00
7) Chloroethane-d5	1.68	69	25311	10.09	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	60415	10.88	ug/L	0.00
21) 2-Butanone-d5	4.18	46	34362	15.95	ug/L	0.00
24) Chloroform-d	4.65	84	46419	9.28	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	29768	9.62	ug/L	0.00
32) Benzene-d6	5.34	84	96903	9.25	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	29627	8.47	ug/L	0.00
41) Toluene-d8	7.56	98	94903	9.80	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	14720	9.18	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	30456	18.02	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	46388	9.24	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	41512	10.41	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	27619	8.693 ug/L	100
3) Chloromethane	1.33	50	25010	6.169 ug/L	95
5) Vinyl chloride	1.40	62	32308	8.485 ug/L	93
6) Bromomethane	1.63	94	12860	7.854 ug/L	96
8) Chloroethane	1.70	64	20798	9.372 ug/L	97
9) Trichlorofluoromethane	1.88	101	51792	12.165 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	31046	11.622 ug/L	99
12) 1,1-Dichloroethene	2.28	96	28746	10.921 ug/L	97
13) Acetone	2.32	43	43610	19.721 ug/L	97
14) Carbon disulfide	2.48	76	68356	7.916 ug/L	99
15) Methyl Acetate	2.62	43	24550	7.275 ug/L	98
16) Methylene chloride	2.70	84	25151	8.185 ug/L	94
17) trans-1,2-Dichloroethene	2.98	96	23801	8.725 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	73176	8.713 ug/L	98
19) 1,1-Dichloroethane	3.45	63	42475	8.188 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	27336	8.832 ug/L	91
22) 2-Butanone	4.27	43	42664	15.973 ug/L	96
23) Bromochloromethane	4.55	128	15104	9.905 ug/L	97
25) Chloroform	4.67	83	45394	8.945 ug/L	99
27) 1,2-Dichloroethane	5.40	62	33913	8.917 ug/L	99
29) Cyclohexane	4.99	56	38390	8.019 ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	40067	9.943 ug/L	98
31) Carbon tetrachloride	5.13	117	36158	10.865 ug/L	99
33) Benzene	5.39	78	98082	8.415 ug/L	100
34) Trichloroethene	6.19	95	25871	8.985 ug/L	98
35) Methylcyclohexane	6.41	83	43727	9.220 ug/L	99
37) 1,2-Dichloropropane	6.43	63	25753	7.976 ug/L	93
38) Bromodichloromethane	6.76	83	34092	9.244 ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	38488	8.158 ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	68846	15.792 ug/L	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	111621	9.225	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	35987	8.532	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	26748	9.307	ug/L	99
46) Tetrachloroethene	8.23	164	25505	10.966	ug/L	94
48) 2-Hexanone	8.36	43	58203	16.168	ug/L	99
49) Dibromochloromethane	8.48	129	31394	10.568	ug/L	97
50) 1,2-Dibromoethane	8.58	107	29323	9.726	ug/L	100
51) Chlorobenzene	9.12	112	75368	9.675	ug/L	99
52) Ethylbenzene	9.25	91	123253	9.359	ug/L	99
53) m,p-Xylene	9.37	106	49462	10.055	ug/L	95
54) o-xylene	9.78	106	48850	9.874	ug/L	96
55) Styrene	9.79	104	77914	9.325	ug/L	97
56) Isopropylbenzene	10.16	105	126474	10.004	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	46255	8.931	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	35613	8.954	ug/L	100
61) Bromoform	9.96	173	24684	10.068	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	60147	9.680	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	59897	9.381	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	64779	10.046	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	9788	8.882	ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	44054	9.586	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	35931	9.245	ug/L	98
69) Naphthalene	13.74	128	106033	8.005	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	39969	9.601	ug/L	95

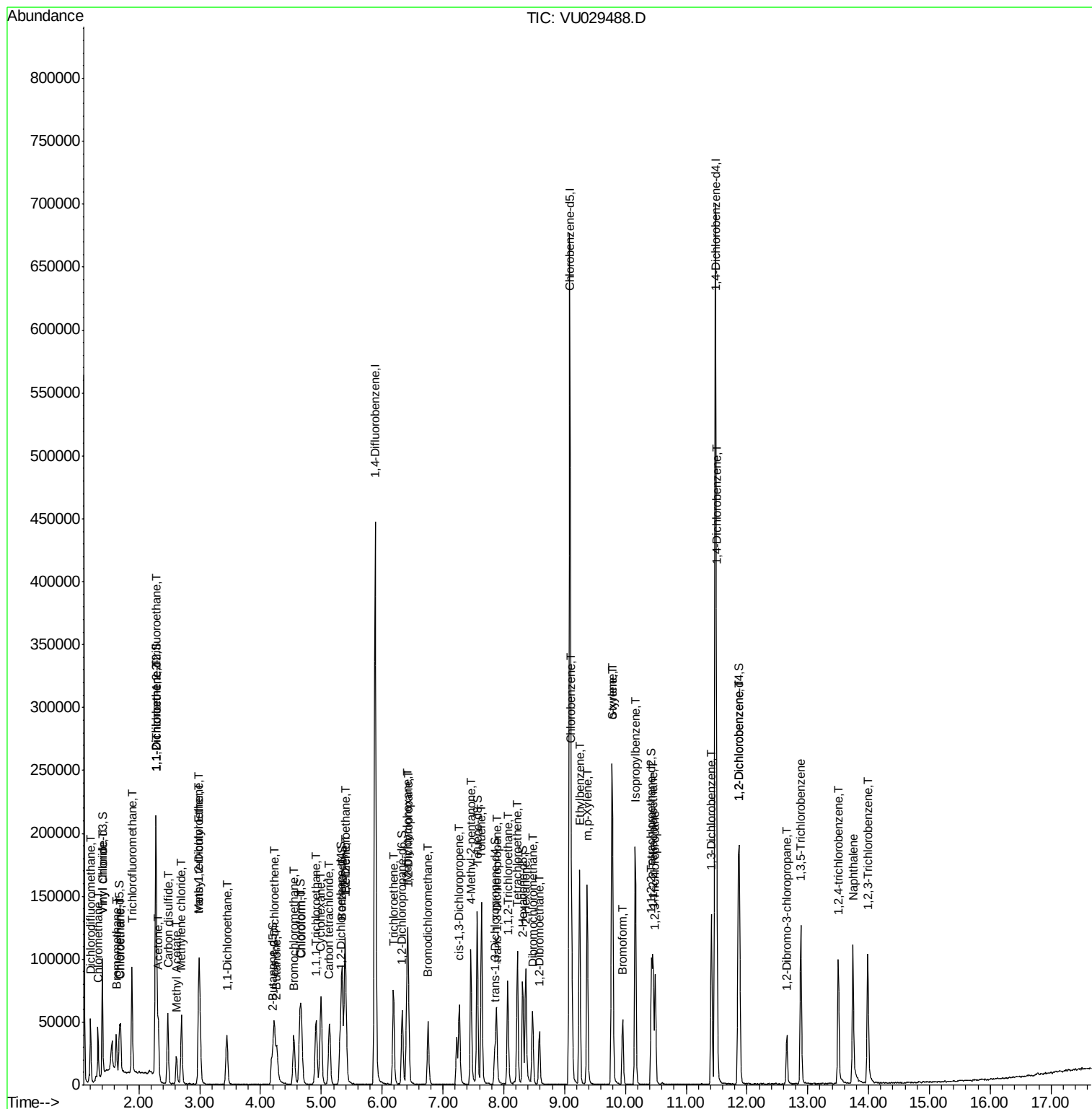
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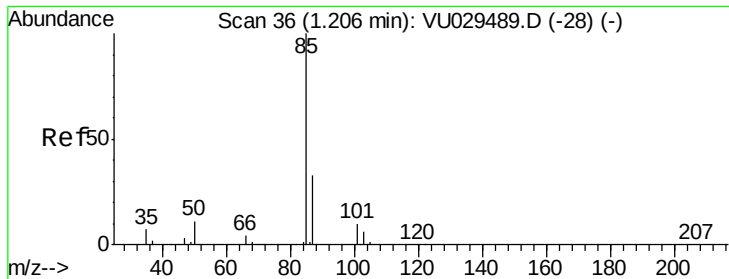
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#2

Dichlorodifluoromethane

Concen: 8.693 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

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MSVOA_U

ClientSampleId :

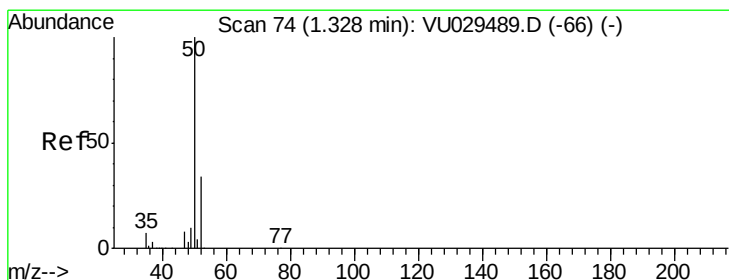
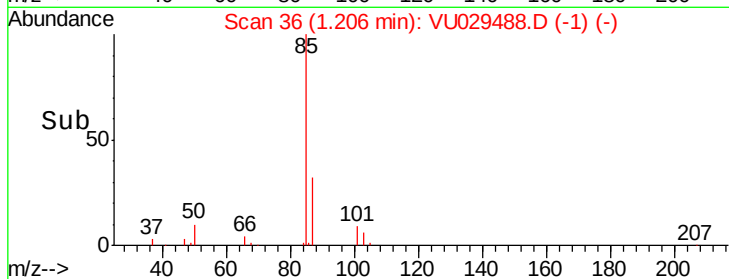
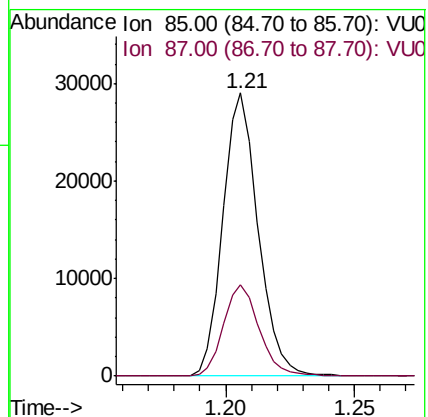
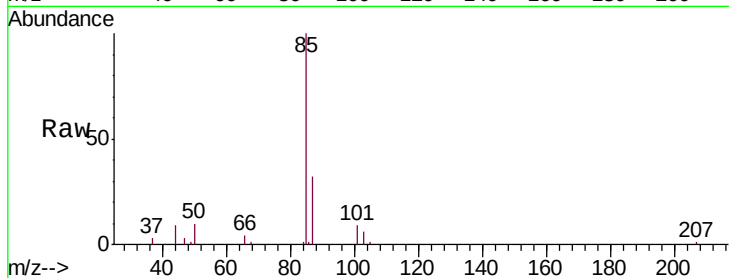
VSTD01042

Tgt Ion: 85 Resp: 27619

Ion Ratio Lower Upper

85 100

87 32.6 25.9 38.9



#3

Chloromethane

Concen: 6.169 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029488.D

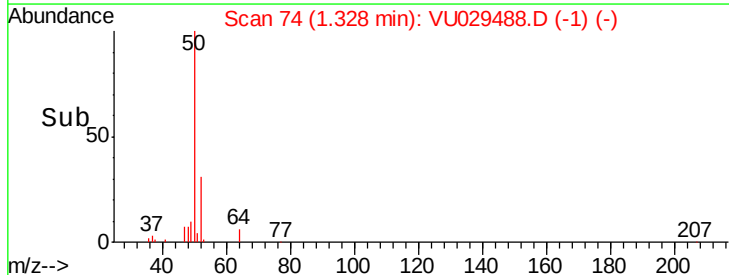
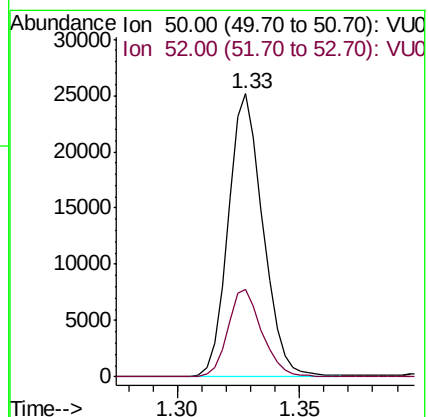
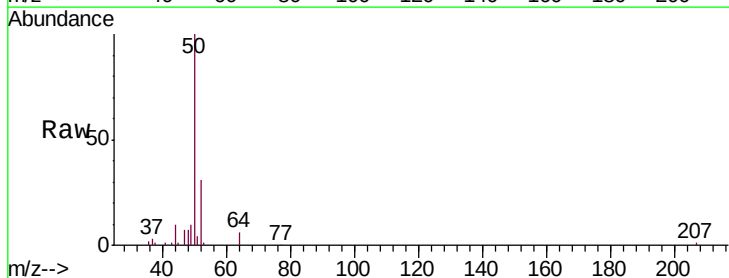
Acq: 15 Feb 2019 10:45

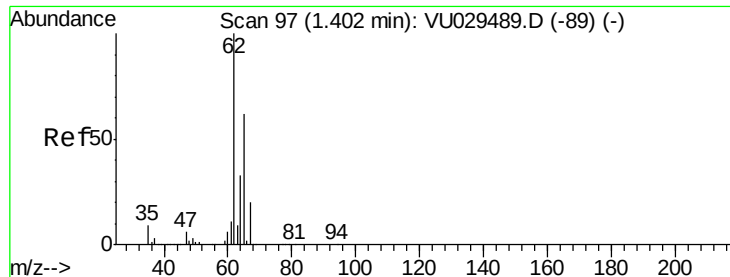
Tgt Ion: 50 Resp: 25010

Ion Ratio Lower Upper

50 100

52 31.1 23.9 44.3





#5

Vinyl chloride

Concen: 8.485 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

Instrument :

MSVOA_U

ClientSampleId :

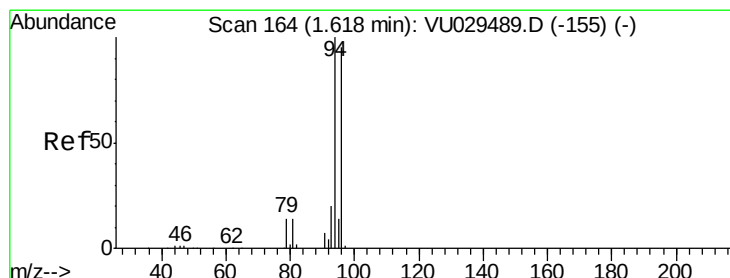
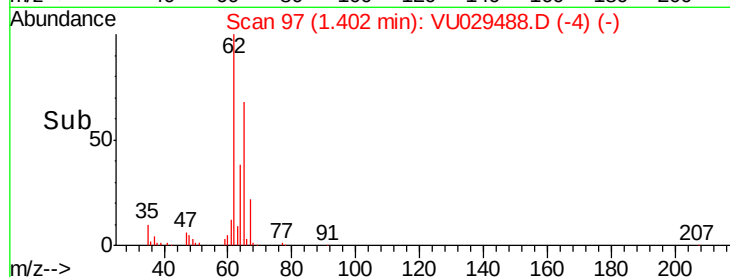
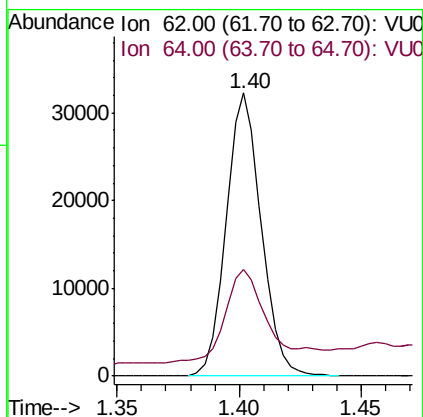
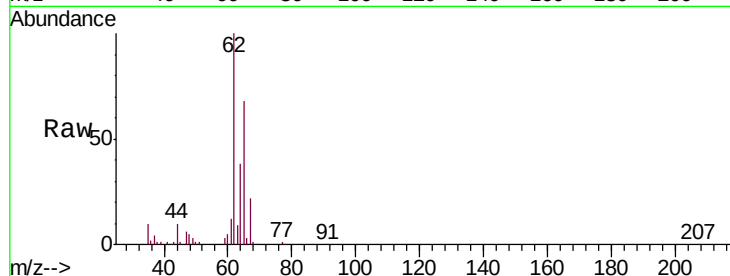
VSTD01042

Tgt Ion: 62 Resp: 32308

Ion Ratio Lower Upper

62 100

64 37.7 23.7 43.9



#6

Bromomethane

Concen: 7.854 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU029488.D

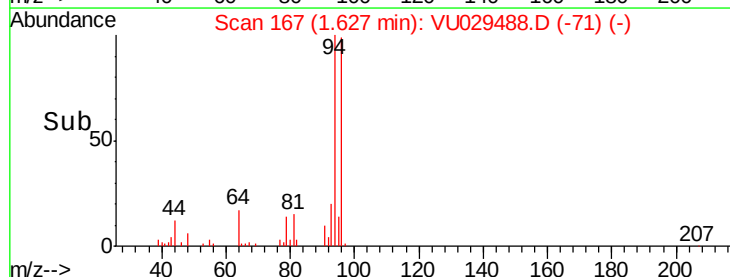
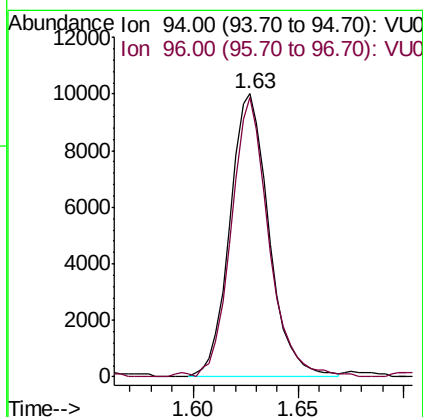
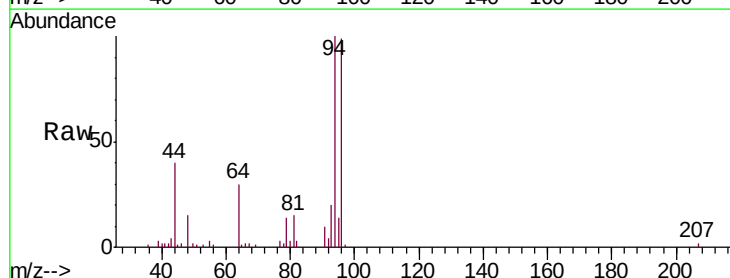
Acq: 15 Feb 2019 10:45

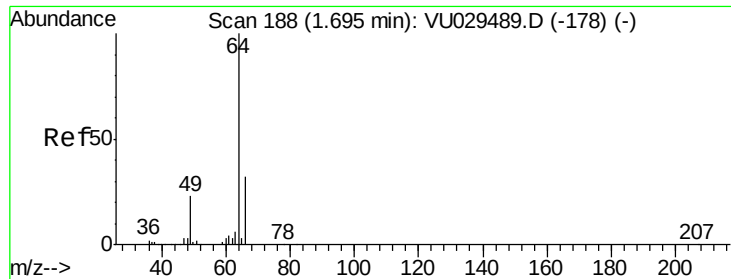
Tgt Ion: 94 Resp: 12860

Ion Ratio Lower Upper

94 100

96 98.9 66.4 123.2

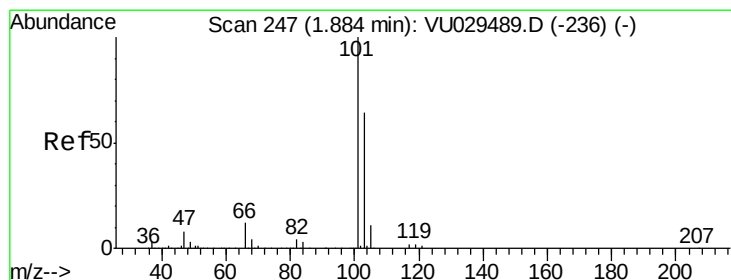
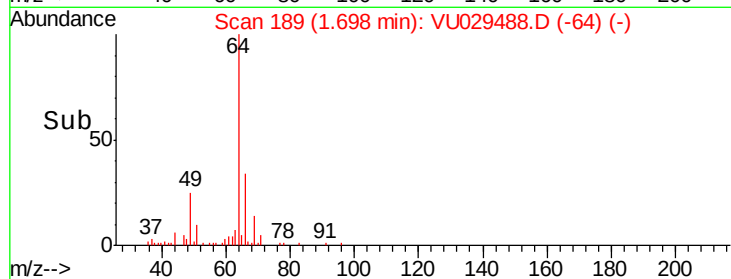
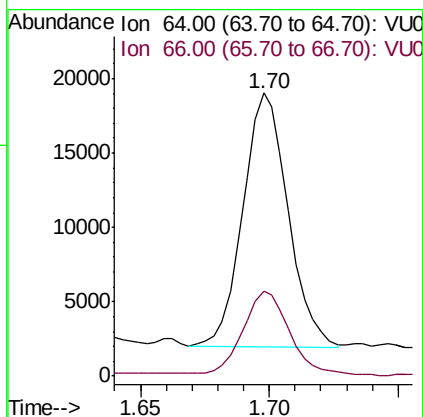
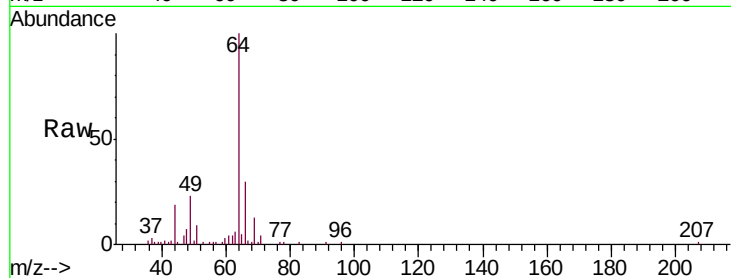




#8
Chloroethane
Concen: 9.372 ug/L
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU029488.D
Acq: 15 Feb 2019 10:45

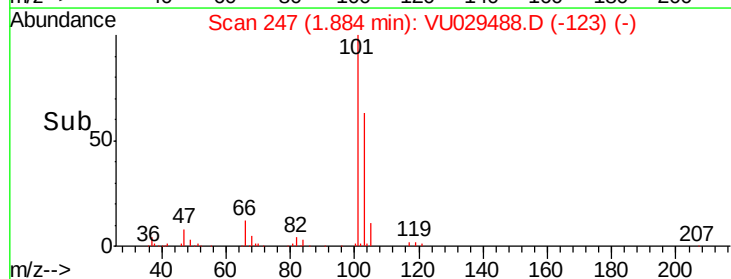
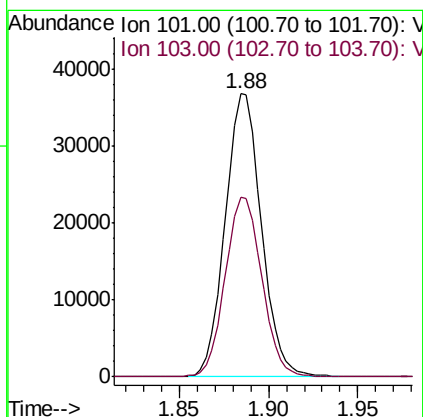
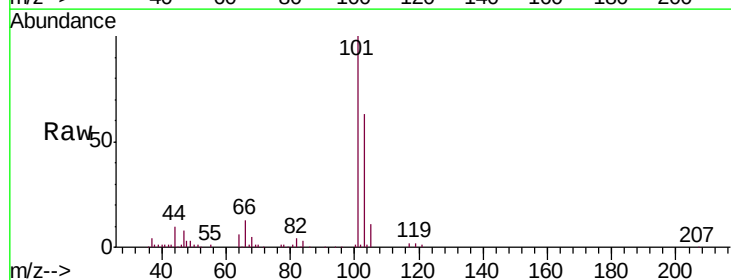
Instrument :
MSVOA_U
ClientSampleId :
VSTD01042

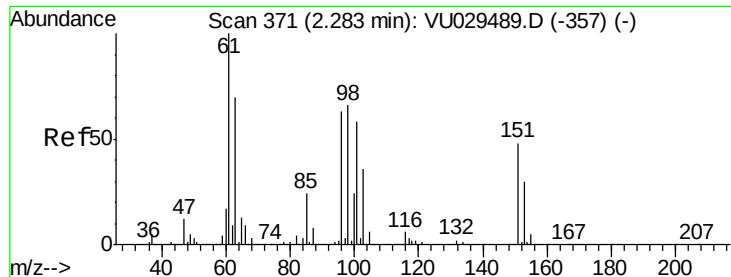
Tgt Ion: 64 Resp: 20798
Ion Ratio Lower Upper
64 100
66 30.1 22.0 41.0



#9
Trichlorofluoromethane
Concen: 12.165 ug/L
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU029488.D
Acq: 15 Feb 2019 10:45

Tgt Ion: 101 Resp: 51792
Ion Ratio Lower Upper
101 100
103 64.4 51.4 77.2





#10

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

Concen: 11.622 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD01042

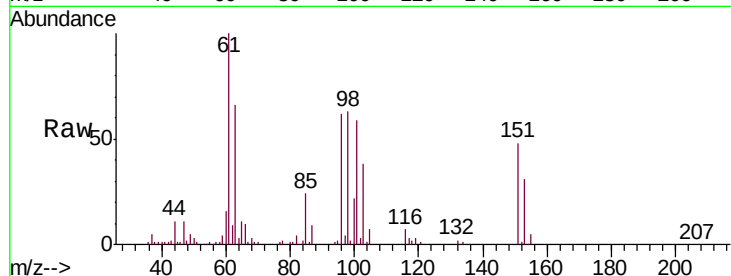
Tgt Ion:101 Resp: 31046

Ion Ratio Lower Upper

101 100

85 41.9 33.0 49.6

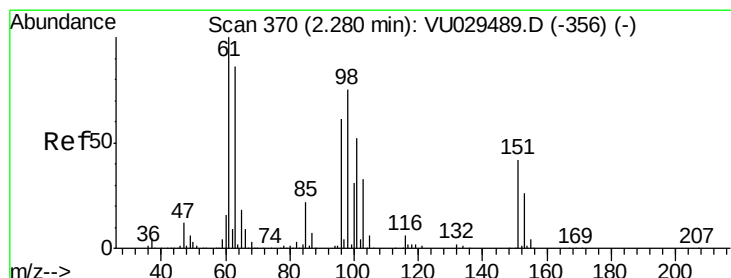
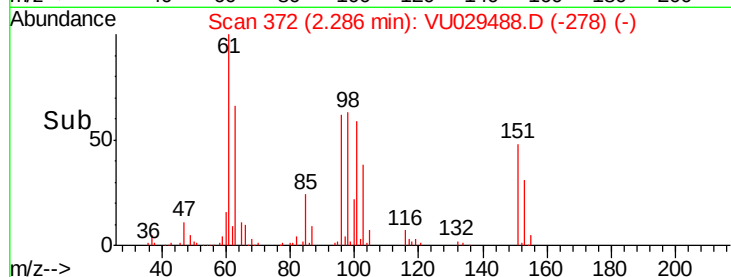
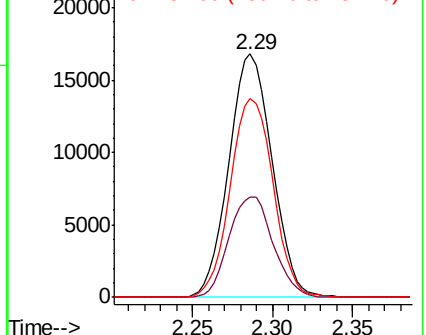
151 80.9 65.7 98.5



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: 10.921 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

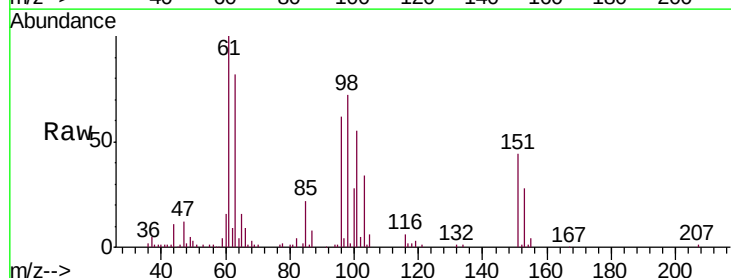
Tgt Ion: 96 Resp: 28746

Ion Ratio Lower Upper

96 100

61 162.5 114.0 211.8

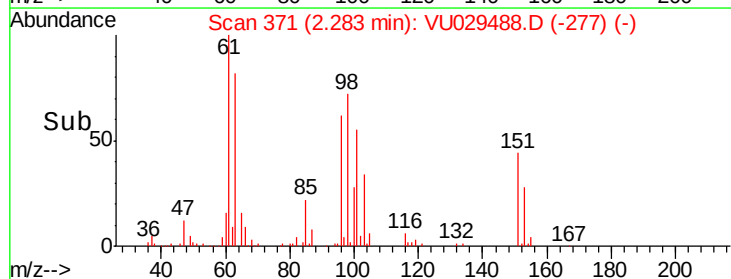
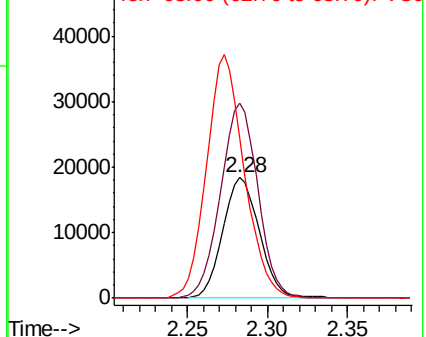
63 133.1 98.7 183.3

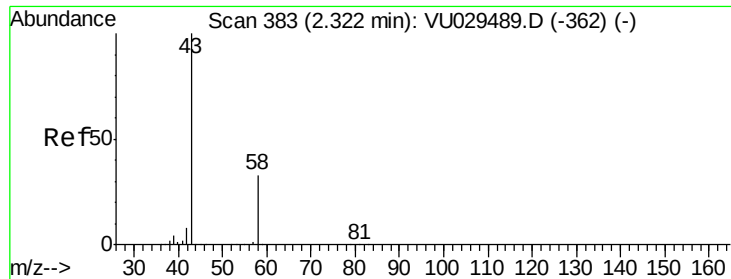


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 19.721 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

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ClientSampleId :

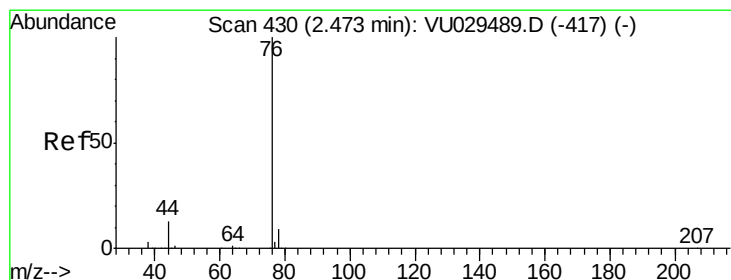
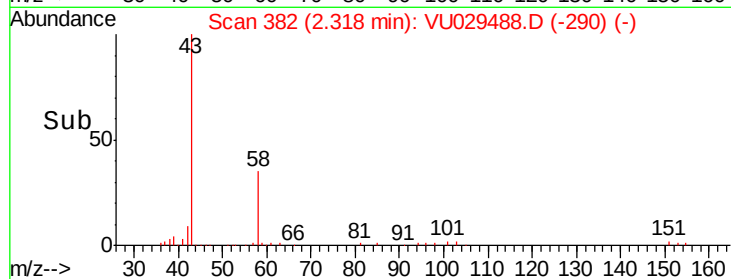
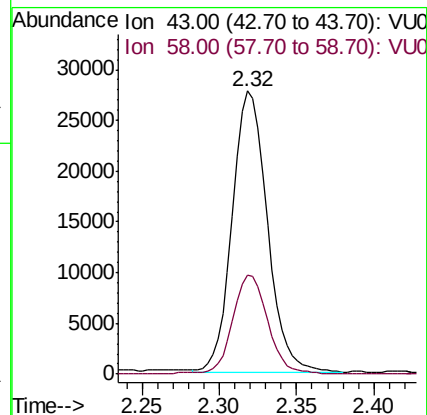
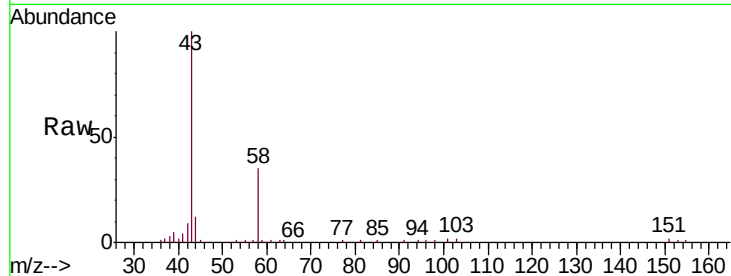
VSTD01042

Tgt Ion: 43 Resp: 43610

Ion Ratio Lower Upper

43 100

58 34.9 0.0 66.8



#14

Carbon disulfide

Concen: 7.916 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029488.D

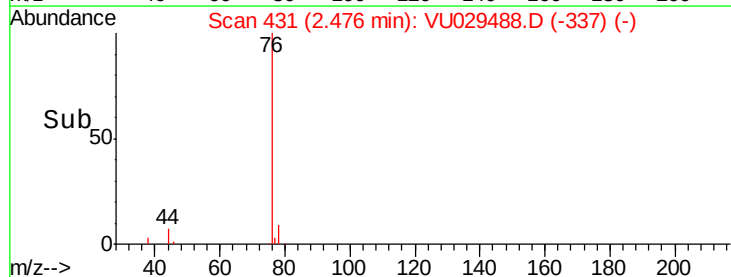
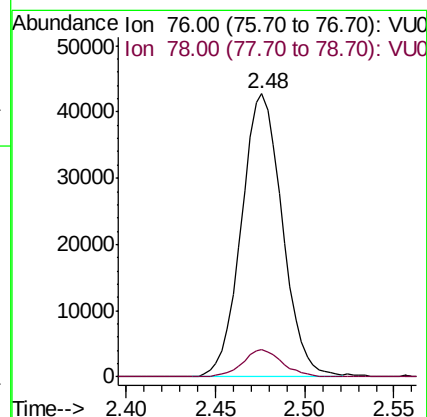
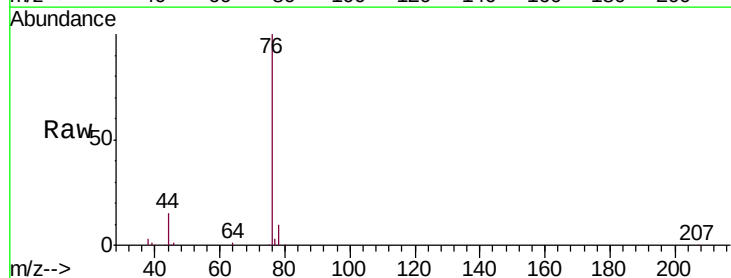
Acq: 15 Feb 2019 10:45

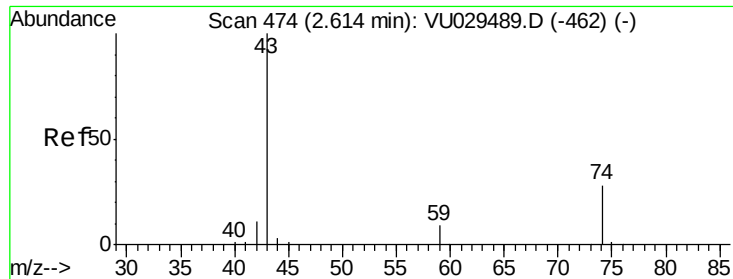
Tgt Ion: 76 Resp: 68356

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2

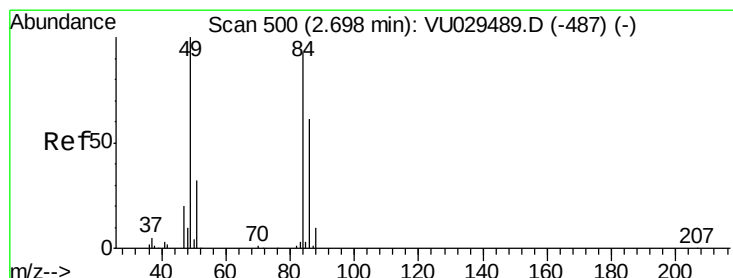
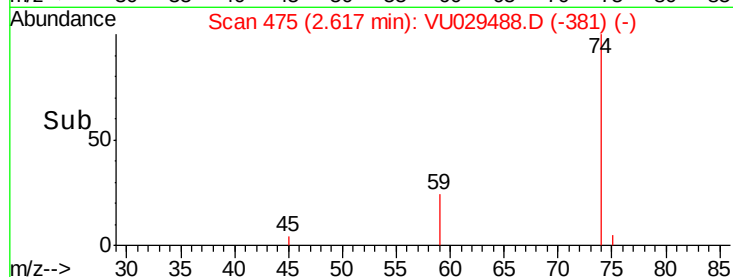
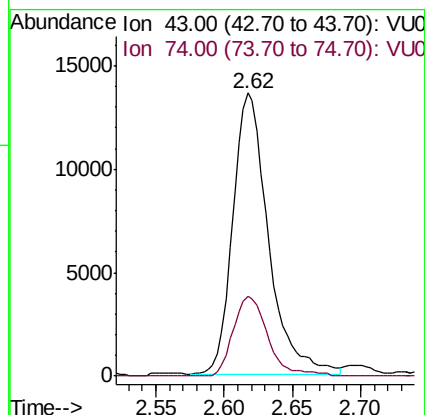
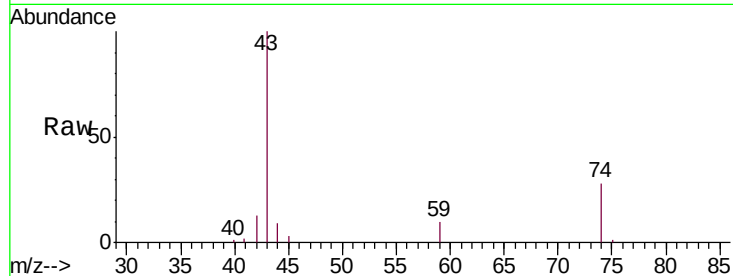




#15
Methyl Acetate
Concen: 7.275 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029488.D
Acq: 15 Feb 2019 10:45

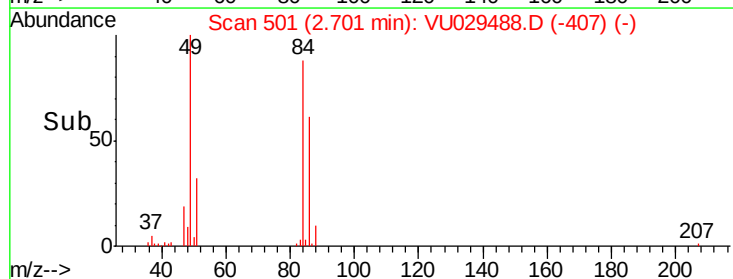
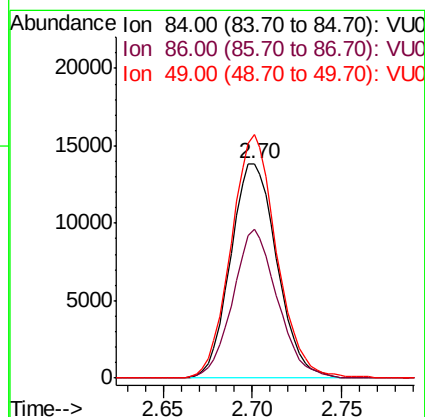
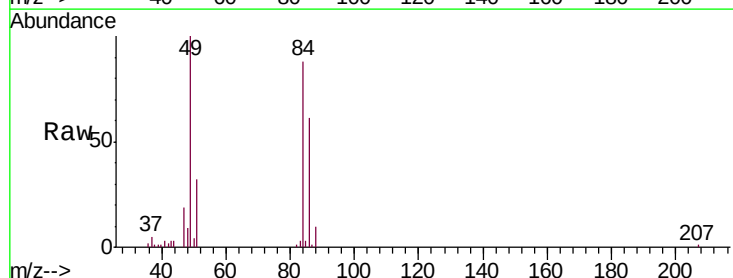
Instrument :
MSVOA_U
ClientSampleId :
VSTD01042

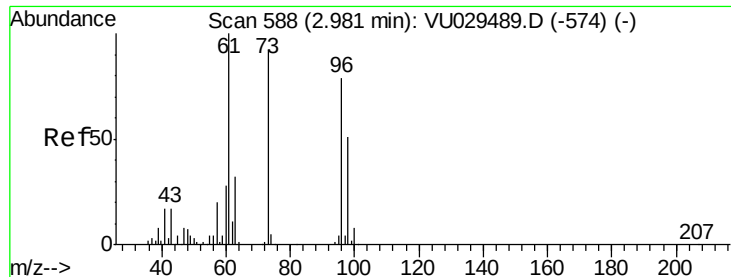
Tgt Ion: 43 Resp: 24550
Ion Ratio Lower Upper
43 100
74 27.8 21.5 32.3



#16
Methylene chloride
Concen: 8.185 ug/L
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU029488.D
Acq: 15 Feb 2019 10:45

Tgt Ion: 84 Resp: 25151
Ion Ratio Lower Upper
84 100
86 69.4 45.8 85.0
49 113.5 75.1 139.5





#17

trans-1,2-Dichloroethene

Concen: 8.725 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD01042

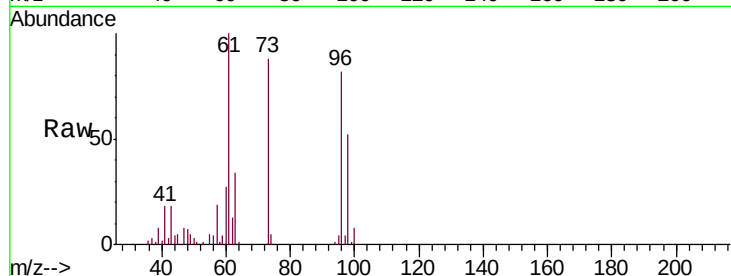
Tgt Ion: 96 Resp: 23801

Ion Ratio Lower Upper

96 100

61 122.4 88.3 163.9

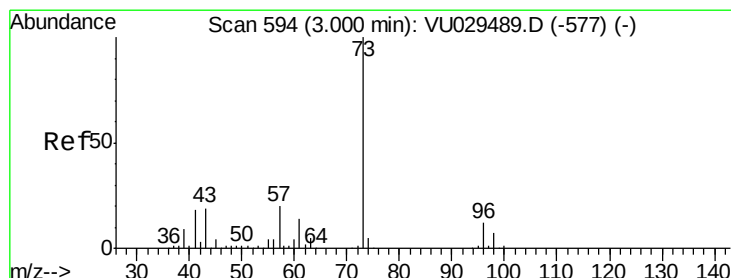
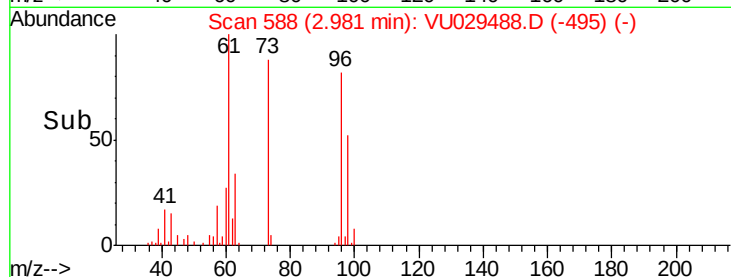
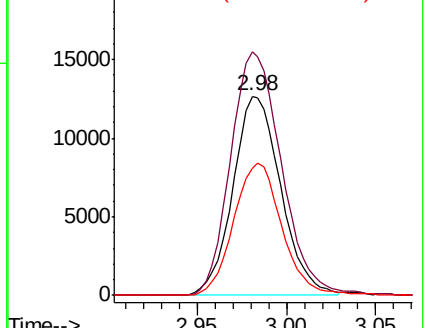
98 64.1 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 8.713 ug/L

RT: 3.00 min Scan# 594

Delta R.T. -0.00 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

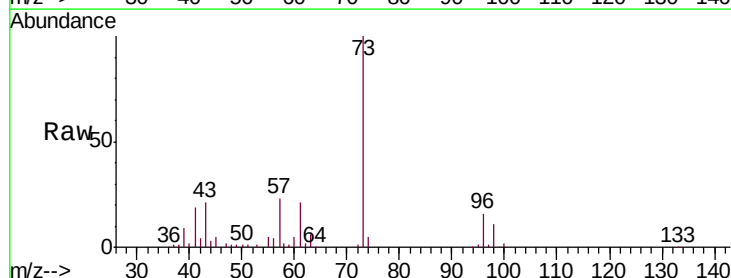
Tgt Ion: 73 Resp: 73176

Ion Ratio Lower Upper

73 100

43 19.3 14.8 22.2

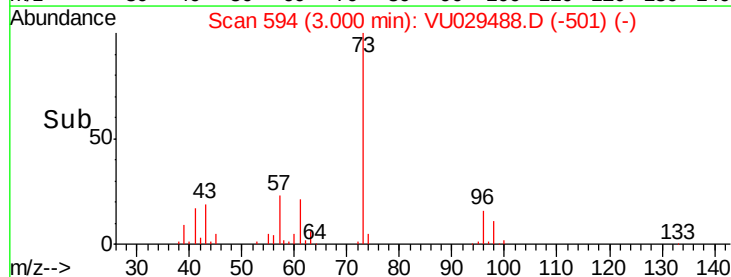
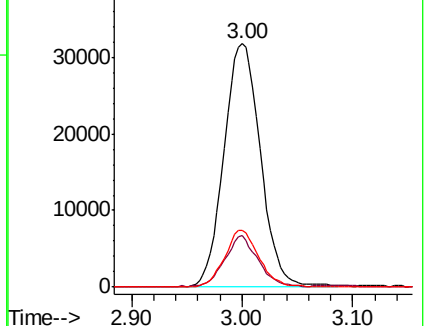
57 21.6 16.5 24.7

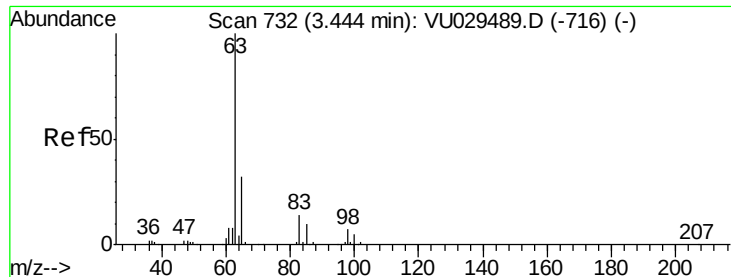


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

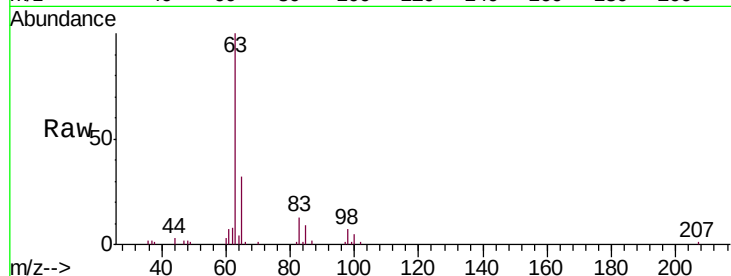




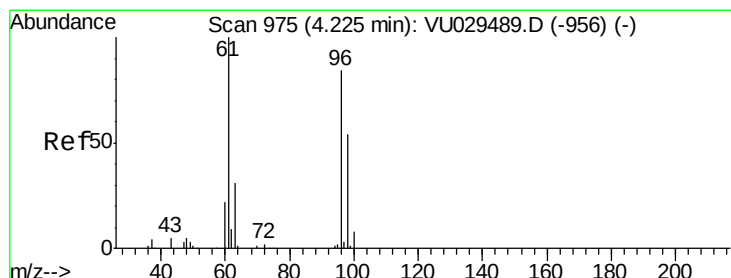
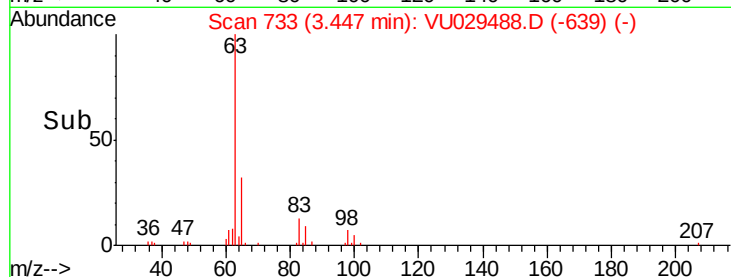
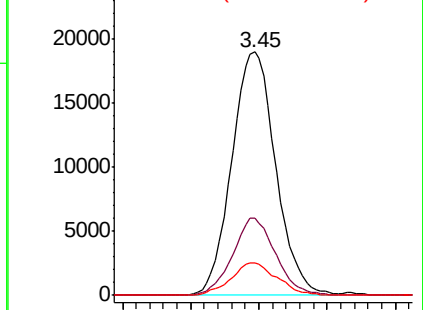
#19
 1,1-Dichloroethane
 Concen: 8.188 ug/L
 RT: 3.45 min Scan# 733
 Delta R.T. 0.00 min
 Lab File: VU029488.D
 Acq: 15 Feb 2019 10:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01042

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.3	41.3
83	13.3	9.9	18.3

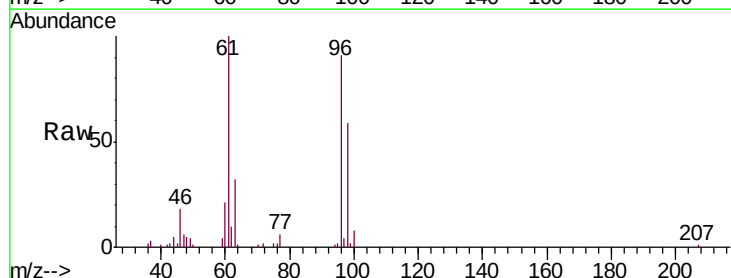


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

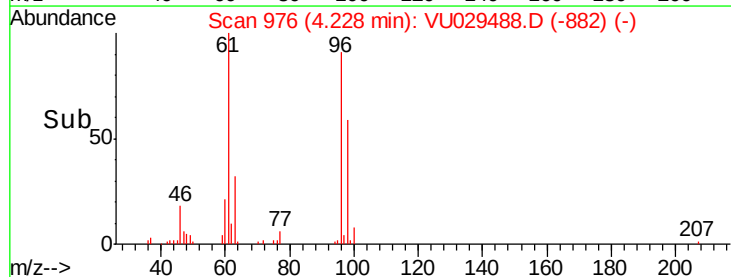
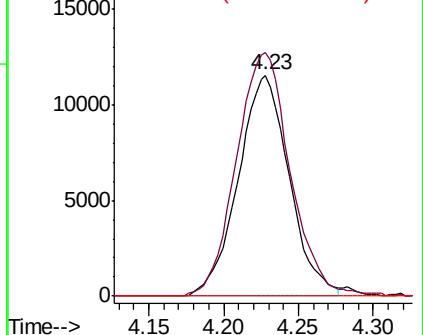


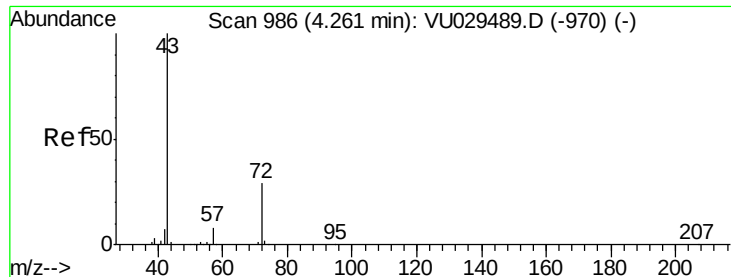
#20
 cis-1,2-Dichloroethene
 Concen: 8.832 ug/L
 RT: 4.23 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VU029488.D
 Acq: 15 Feb 2019 10:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	110.4	83.9	155.7
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 15.973 ug/L

RT: 4.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

Instrument :

MSVOA_U

ClientSampleId :

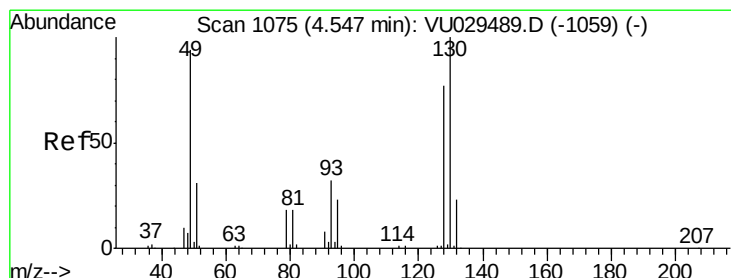
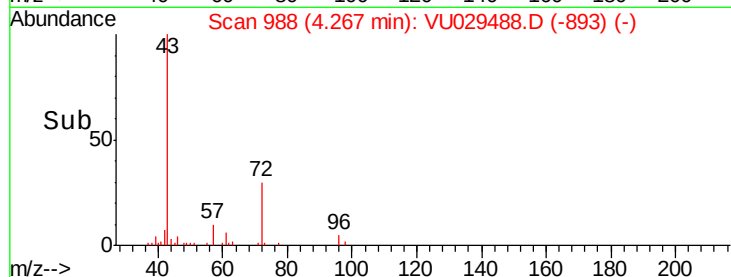
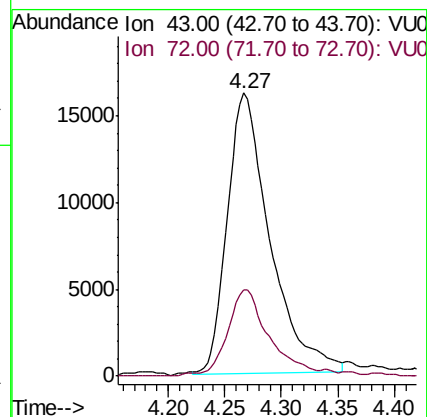
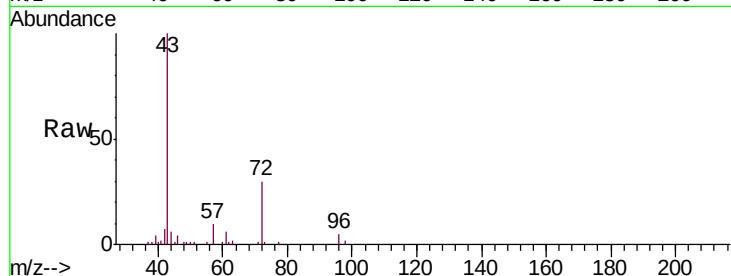
VSTD01042

Tgt Ion: 43 Resp: 42664

Ion Ratio Lower Upper

43 100

72 28.3 15.2 45.6



#23

Bromochloromethane

Concen: 9.905 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

Tgt Ion: 128 Resp: 15104

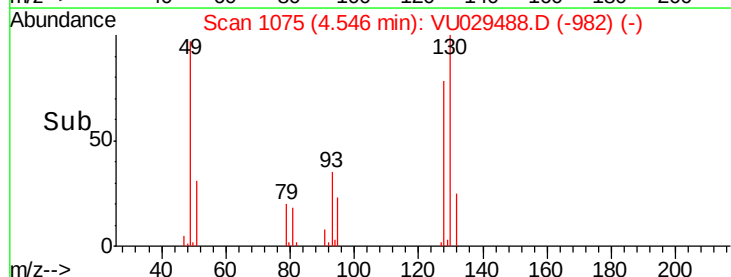
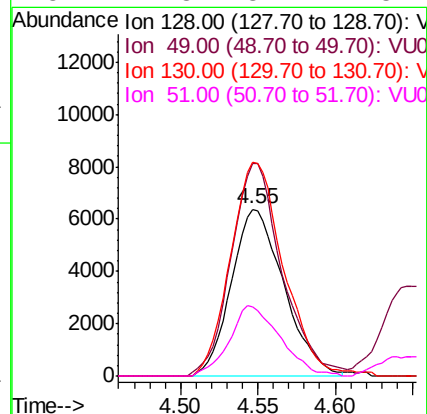
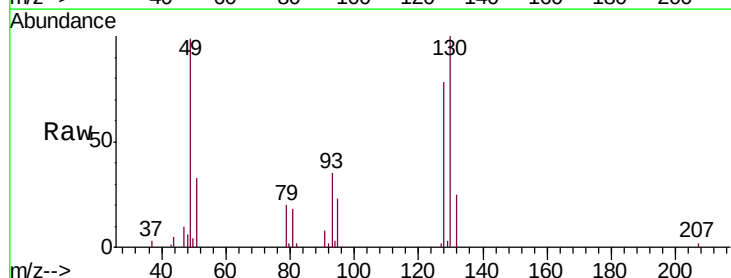
Ion Ratio Lower Upper

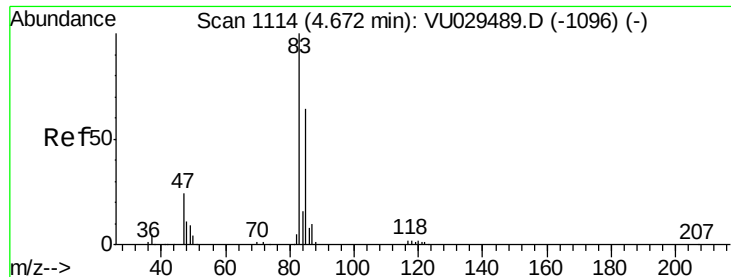
128 100

49 127.1 85.9 159.5

130 128.1 91.3 169.5

51 41.8 32.2 48.2

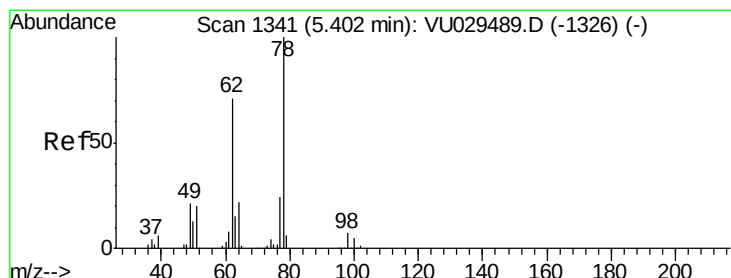
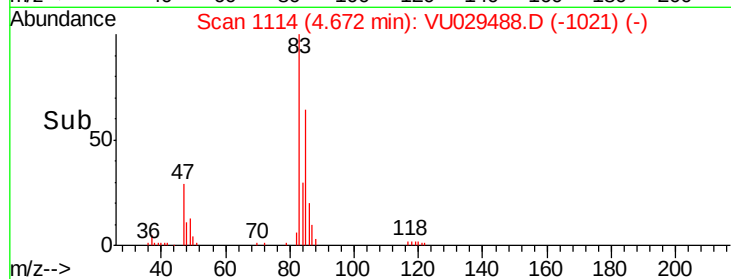
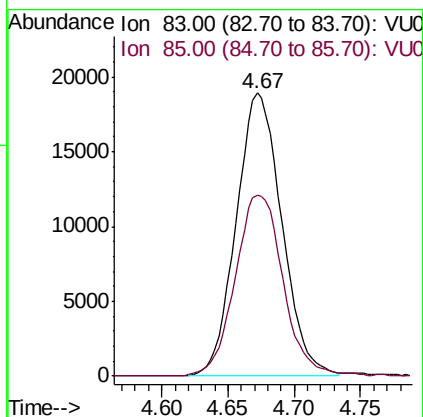
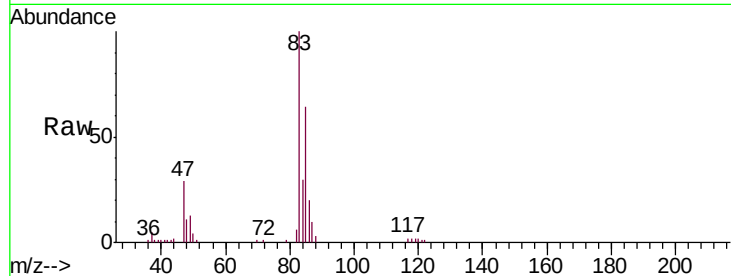




#25
Chloroform
Concen: 8.945 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VU029488.D
Acq: 15 Feb 2019 10:45

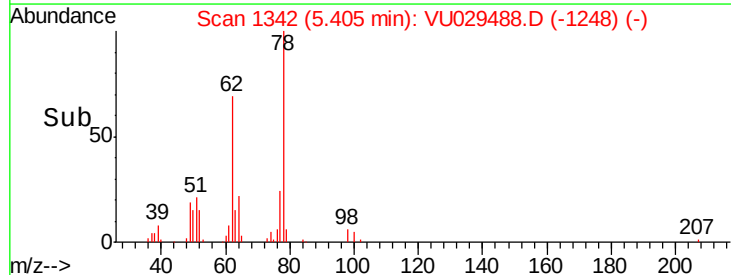
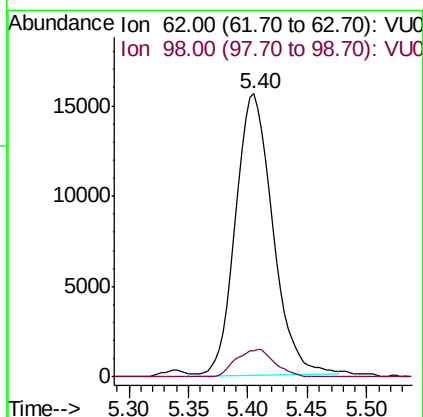
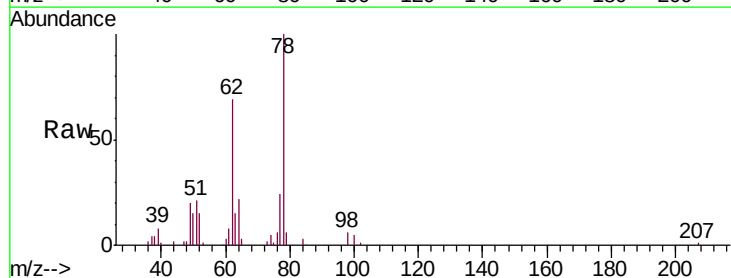
Instrument :
MSVOA_U
ClientSampleId :
VSTD01042

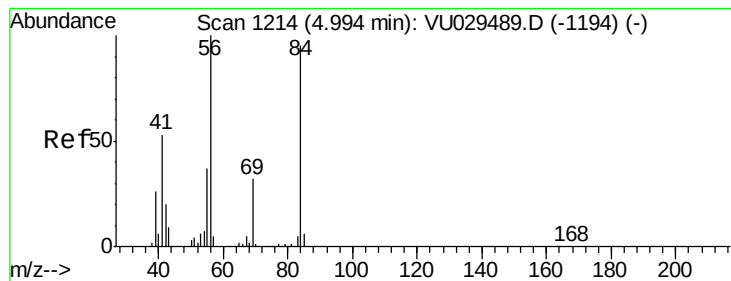
Tgt Ion: 83 Resp: 45394
Ion Ratio Lower Upper
83 100
85 64.2 45.4 84.2



#27
1,2-Dichloroethane
Concen: 8.917 ug/L
RT: 5.40 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VU029488.D
Acq: 15 Feb 2019 10:45

Tgt Ion: 62 Resp: 33913
Ion Ratio Lower Upper
62 100
98 9.4 7.8 11.8





#29

Cyclohexane

Concen: 8.019 ug/L

RT: 4.99 min Scan# 1214

Delta R.T. -0.00 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD01042

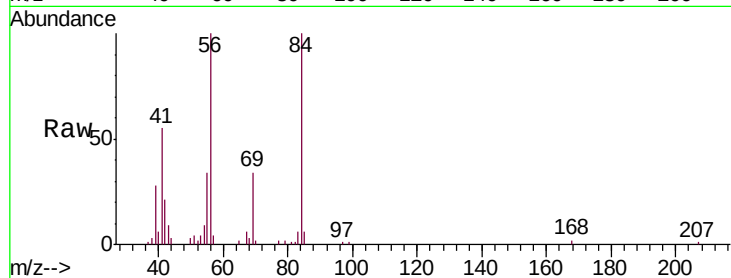
Tgt Ion: 56 Resp: 38390

Ion Ratio Lower Upper

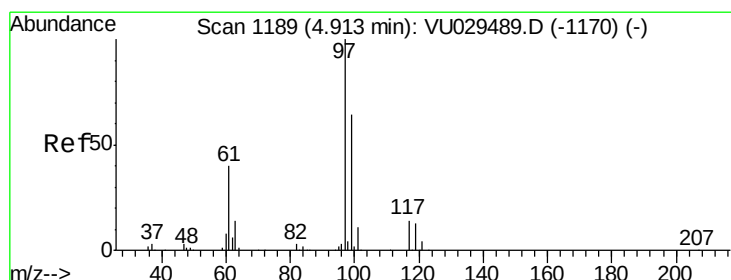
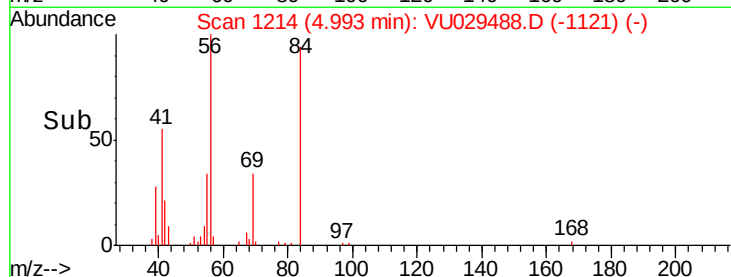
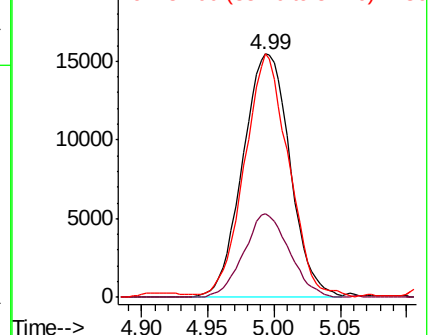
56 100

69 32.8 25.7 38.5

84 93.7 77.1 115.7



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 9.943 ug/L

RT: 4.91 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

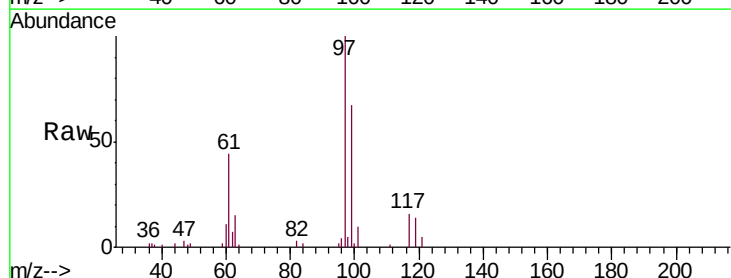
Tgt Ion: 97 Resp: 40067

Ion Ratio Lower Upper

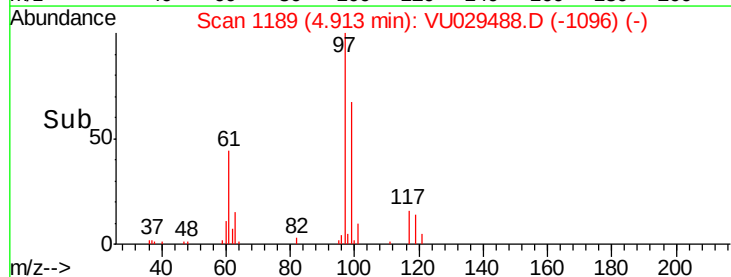
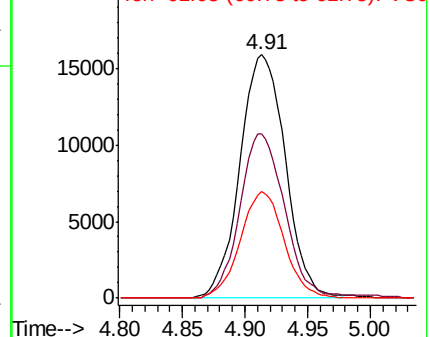
97 100

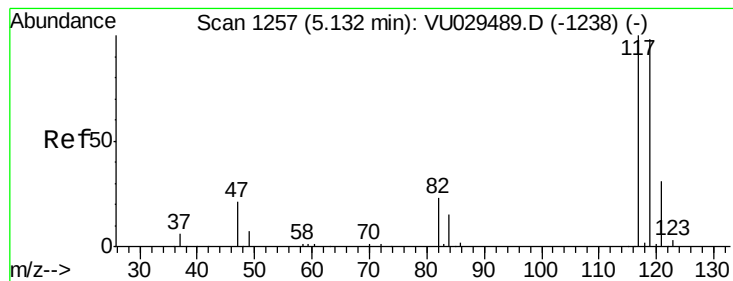
99 65.6 51.4 77.0

61 42.1 32.3 48.5



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 10.865 ug/L

RT: 5.13 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

Instrument :

MSVOA_U

ClientSampleId :

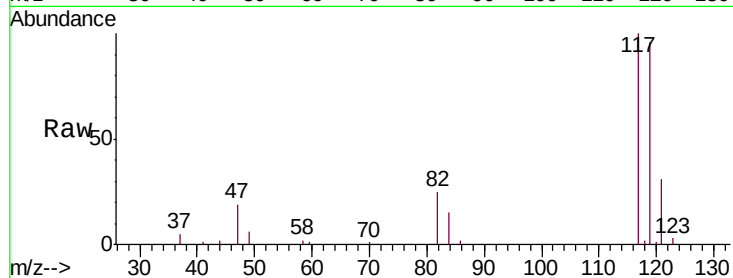
VSTD01042

Tgt Ion:117 Resp: 36158

Ion Ratio Lower Upper

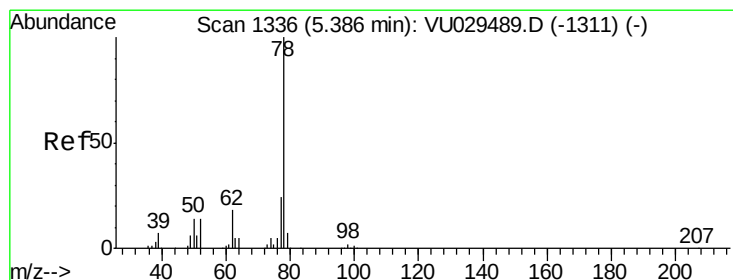
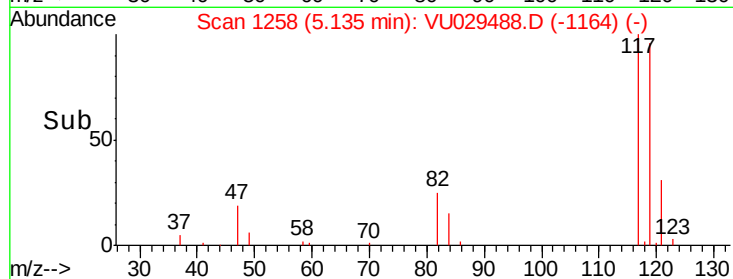
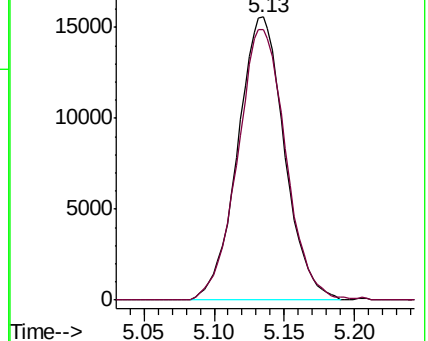
117 100

119 98.1 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 8.415 ug/L

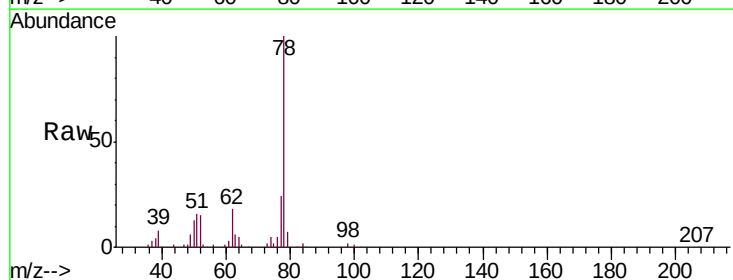
RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

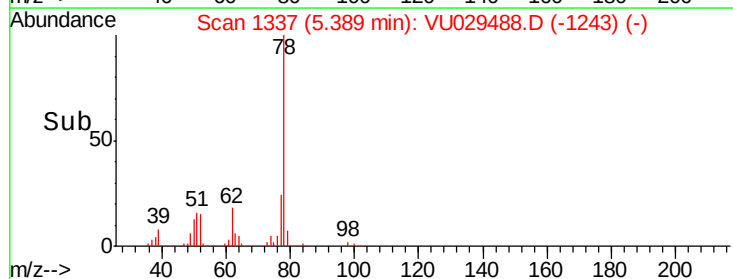
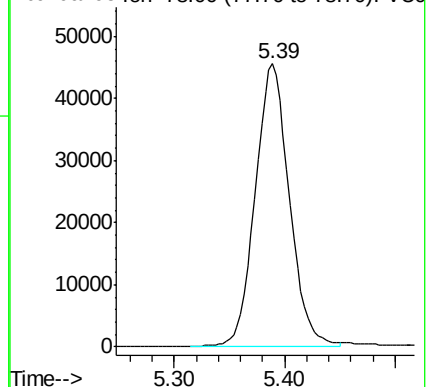
Lab File: VU029488.D

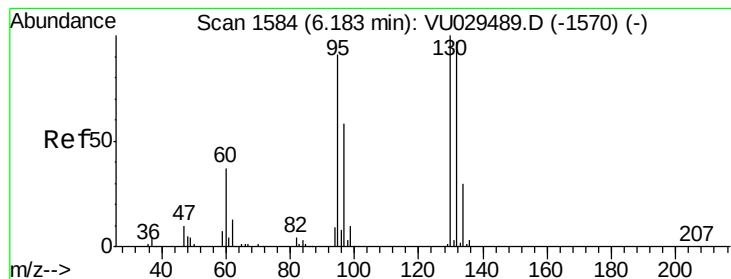
Acq: 15 Feb 2019 10:45

Tgt Ion: 78 Resp: 98082



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 8.985 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD01042

Tgt Ion: 95 Resp: 25871

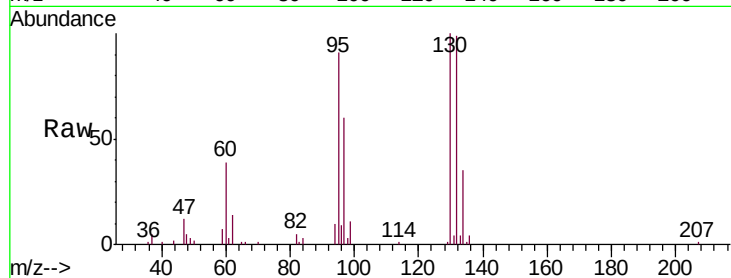
Ion Ratio Lower Upper

95 100

97 66.4 44.6 82.8

132 108.4 74.6 138.6

130 109.9 77.2 143.4



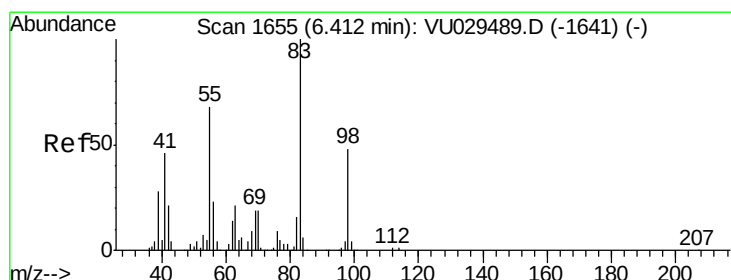
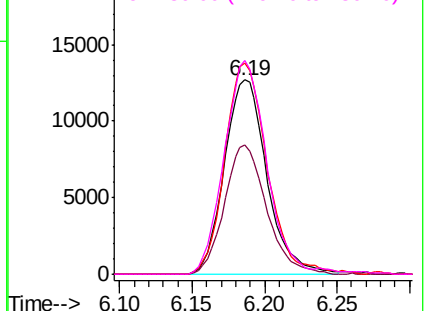
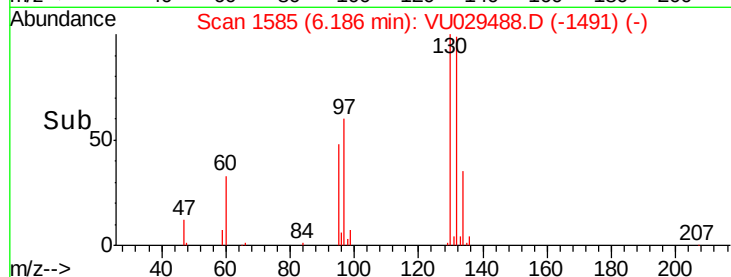
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 9.220 ug/L

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

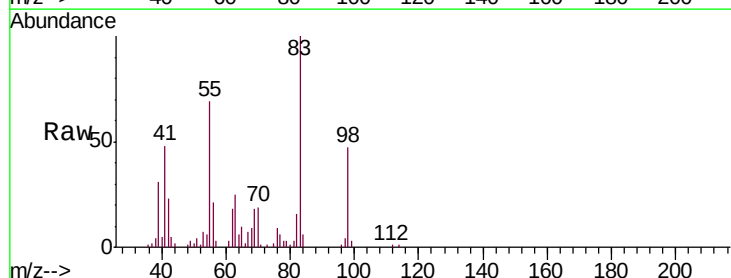
Tgt Ion: 83 Resp: 43727

Ion Ratio Lower Upper

83 100

55 69.5 55.2 82.8

98 48.0 39.4 59.2

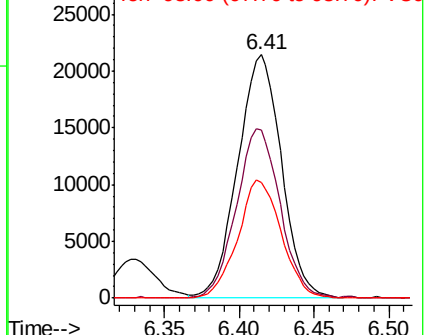
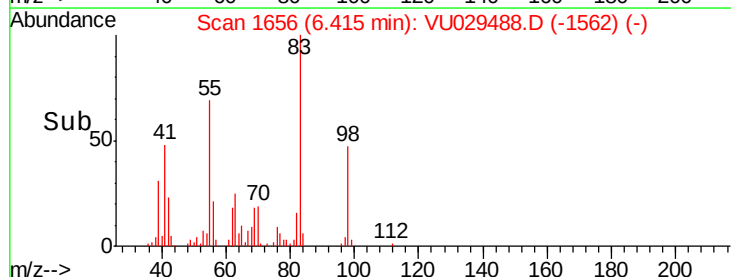


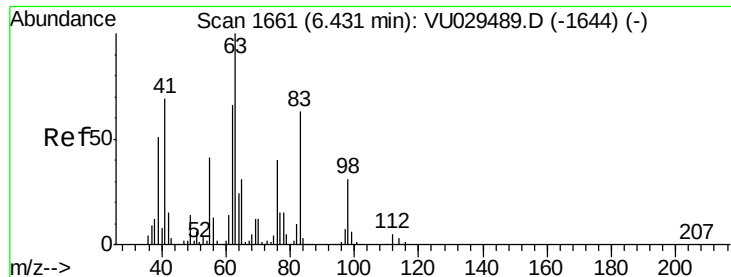
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

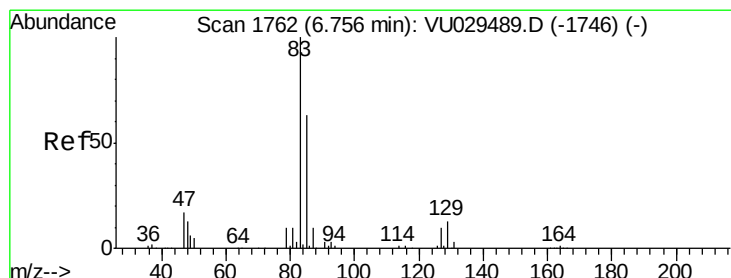
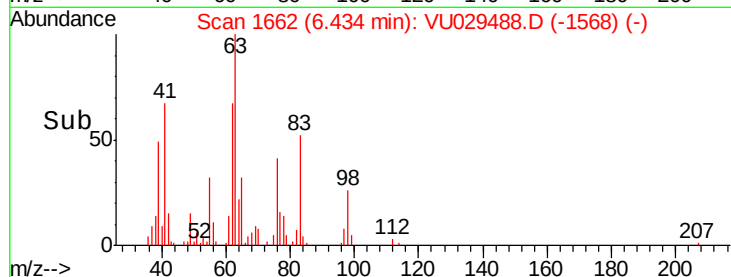
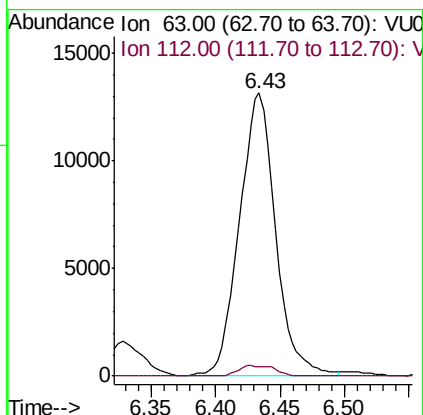
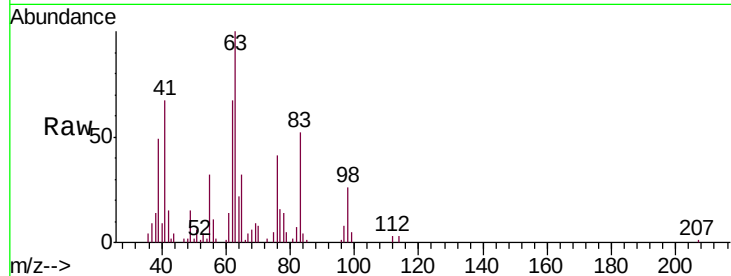




#37
 1,2-Dichloropropane
 Concen: 7.976 ug/L
 RT: 6.43 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VU029488.D
 Acq: 15 Feb 2019 10:45

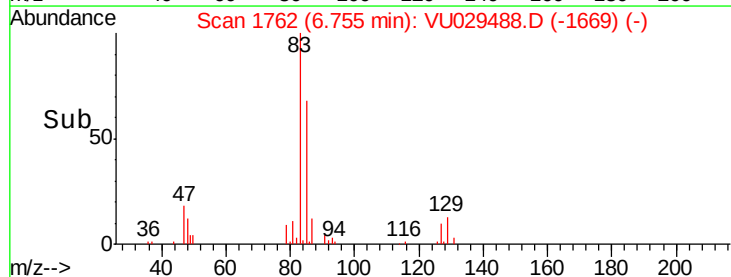
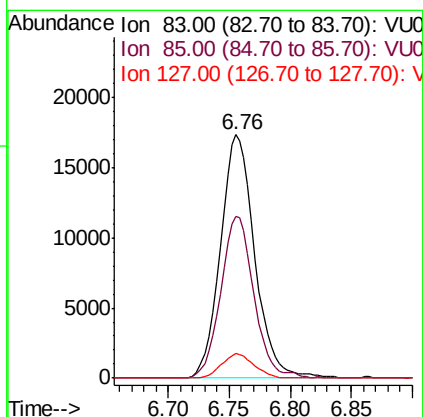
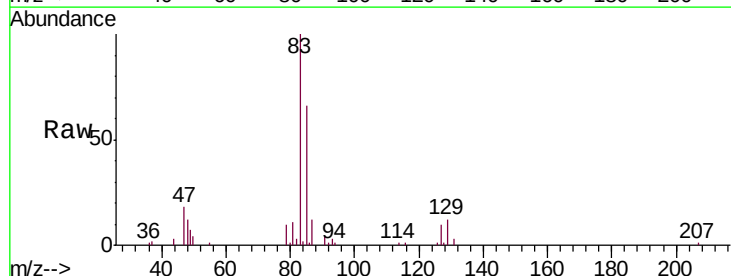
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01042

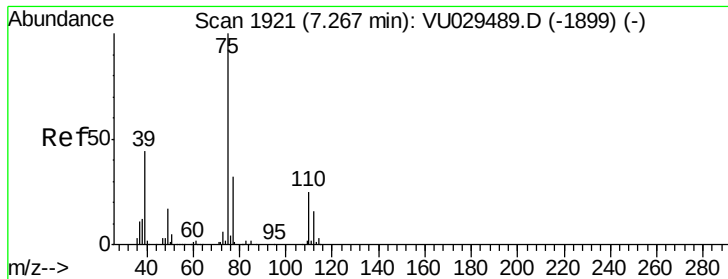
Tgt Ion: 63 Resp: 25753
 Ion Ratio Lower Upper
 63 100
 112 2.2 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 9.244 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VU029488.D
 Acq: 15 Feb 2019 10:45

Tgt Ion: 83 Resp: 34092
 Ion Ratio Lower Upper
 83 100
 85 66.4 44.2 82.0
 127 10.0 8.3 12.5

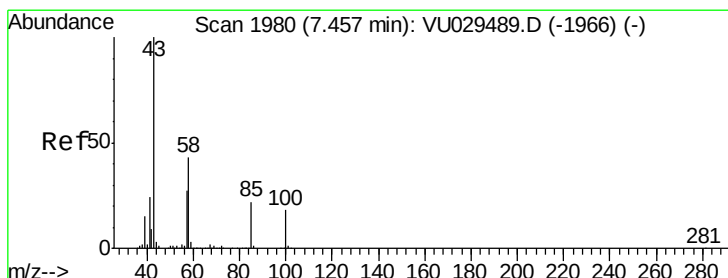
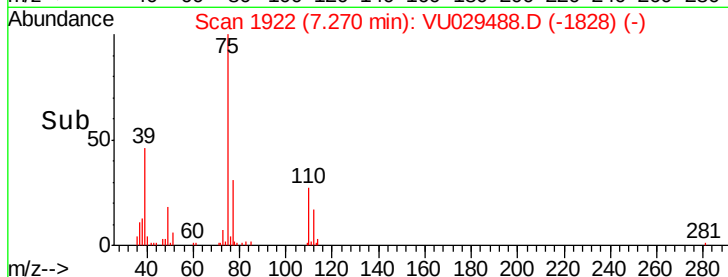
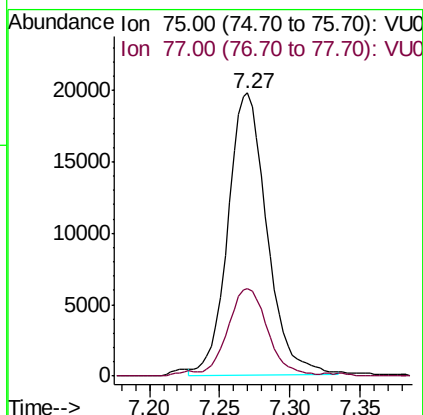
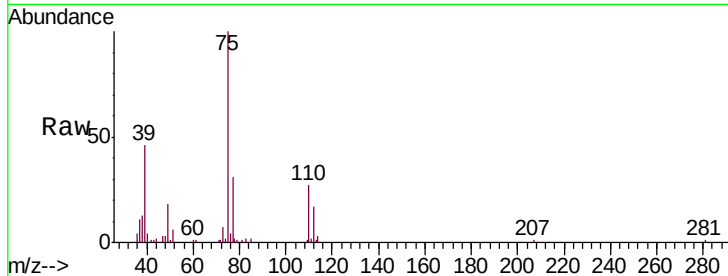




#39
 cis-1,3-Dichloropropene
 Concen: 8.158 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU029488.D
 Acq: 15 Feb 2019 10:45

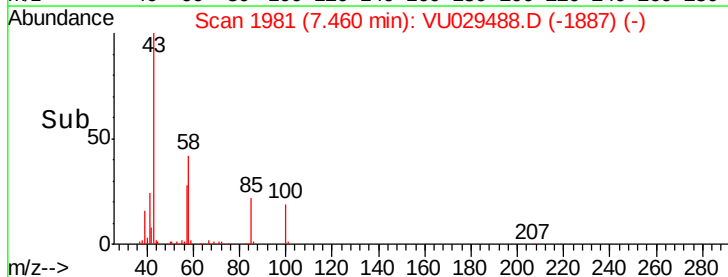
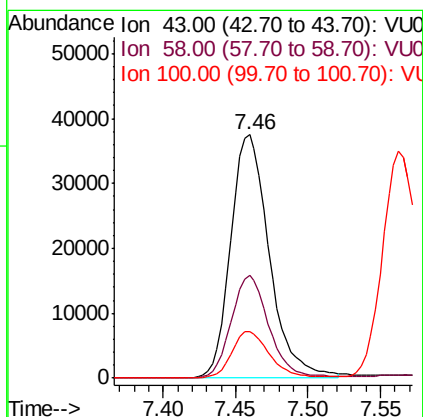
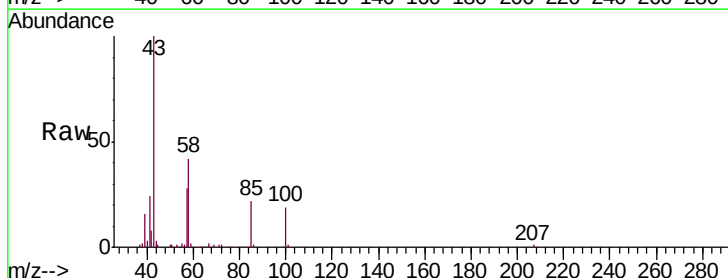
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01042

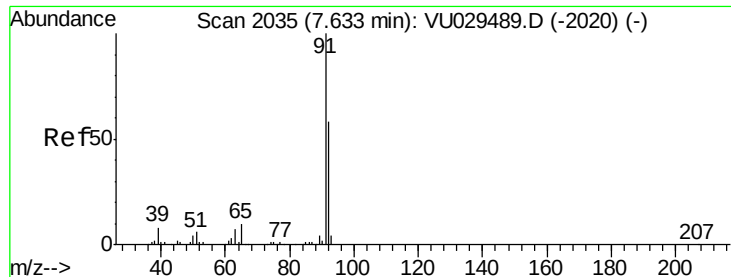
Tgt Ion: 75 Resp: 38488
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 15.792 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU029488.D
 Acq: 15 Feb 2019 10:45

Tgt Ion: 43 Resp: 68846
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.0 49.4
 100 18.8 14.5 21.7





#42

Toluene

Concen: 9.225 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

Instrument :

MSVOA_U

ClientSampleId :

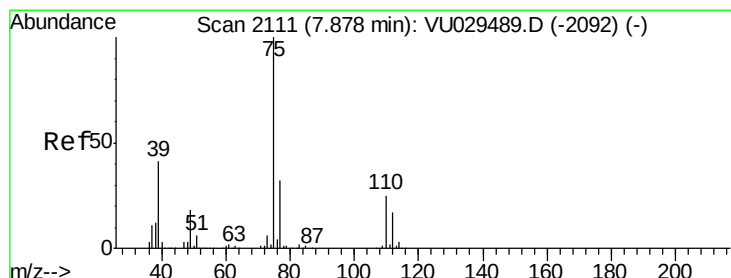
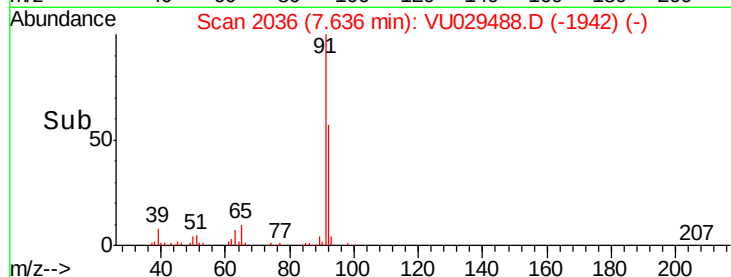
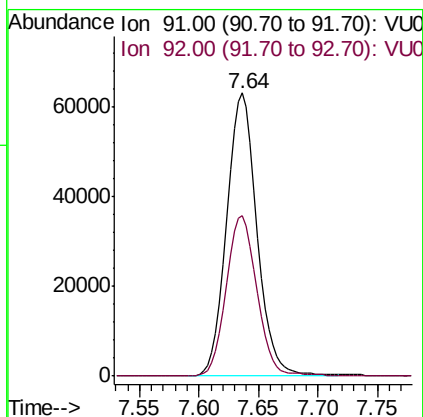
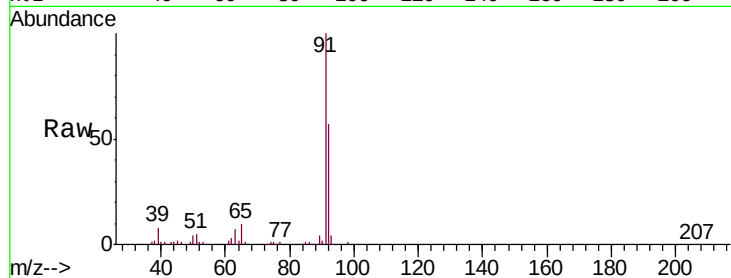
VSTD01042

Tgt Ion: 91 Resp: 111621

Ion Ratio Lower Upper

91 100

92 56.7 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 8.532 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029488.D

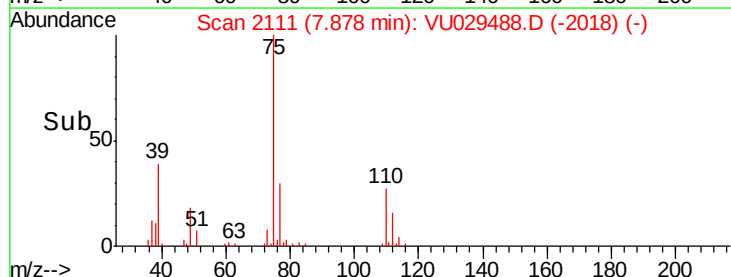
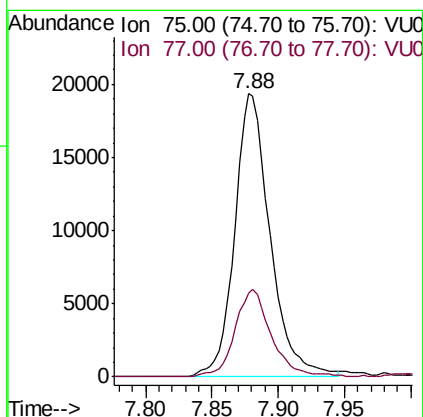
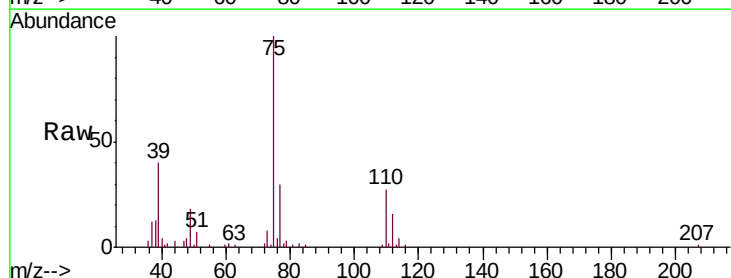
Acq: 15 Feb 2019 10:45

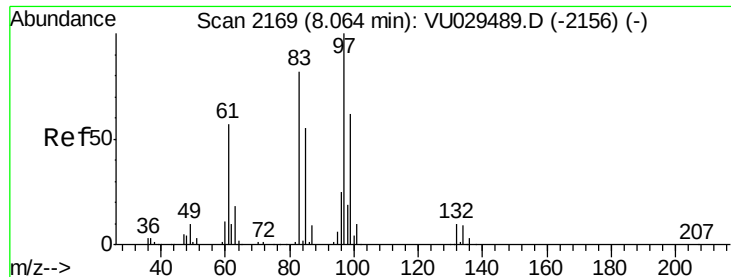
Tgt Ion: 75 Resp: 35987

Ion Ratio Lower Upper

75 100

77 29.6 22.1 41.1

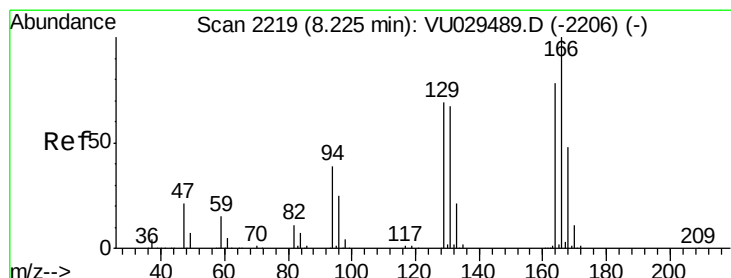
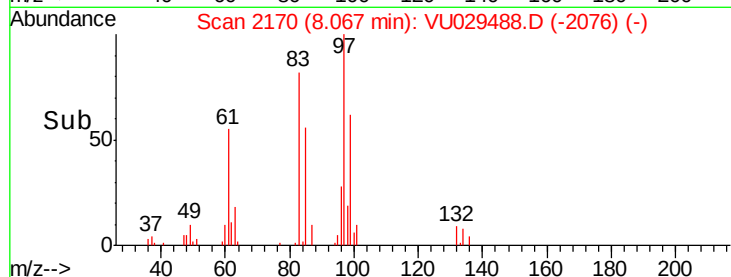
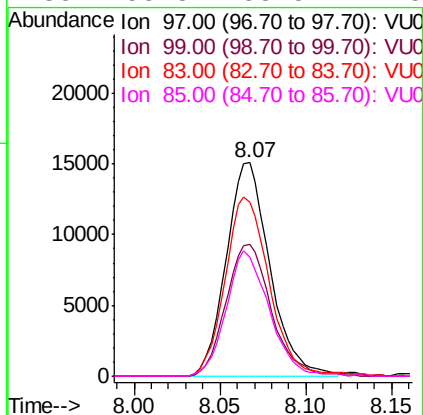
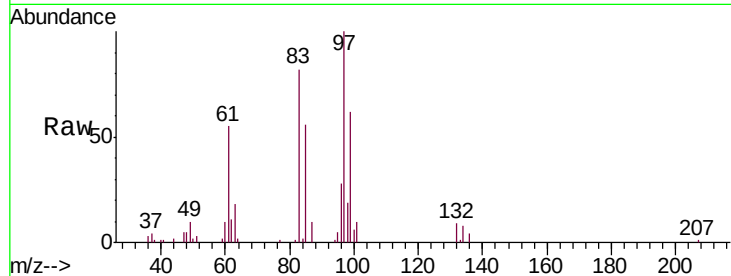




#45
 1,1,2-Trichloroethane
 Concen: 9.307 ug/L
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU029488.D
 Acq: 15 Feb 2019 10:45

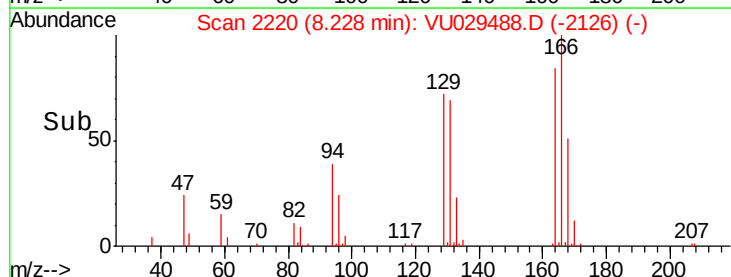
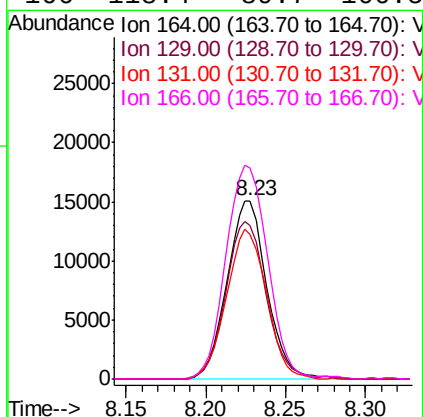
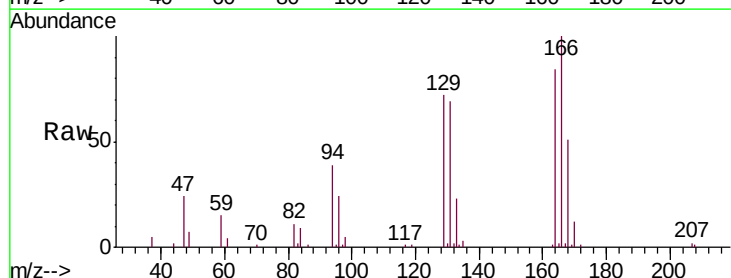
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01042

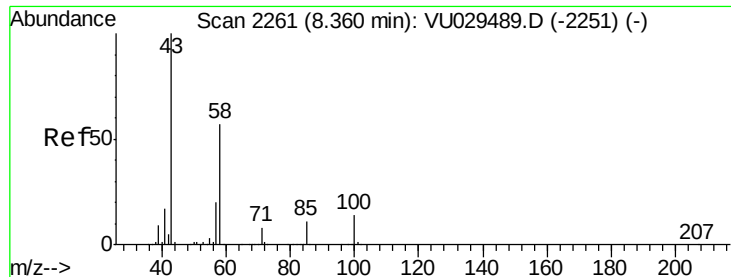
Tgt Ion: 97 Resp: 26748
 Ion Ratio Lower Upper
 97 100
 99 61.9 43.8 81.3
 83 81.6 57.7 107.1
 85 55.8 38.5 71.5



#46
 Tetrachloroethene
 Concen: 10.966 ug/L
 RT: 8.23 min Scan# 2220
 Delta R.T. 0.00 min
 Lab File: VU029488.D
 Acq: 15 Feb 2019 10:45

Tgt Ion: 164 Resp: 25505
 Ion Ratio Lower Upper
 164 100
 129 85.8 62.1 115.3
 131 81.4 60.1 111.5
 166 118.4 89.7 166.5

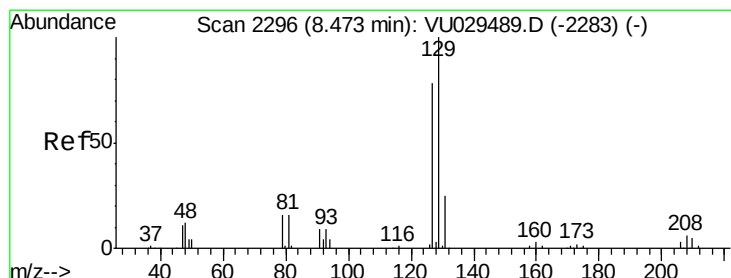
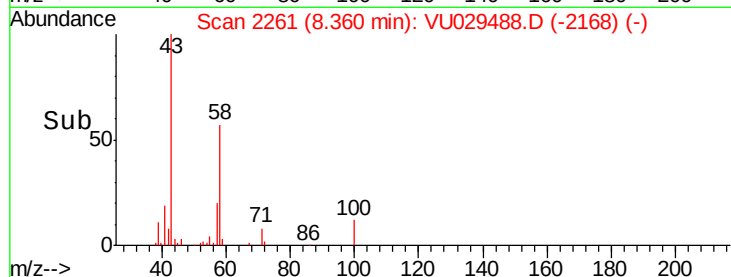
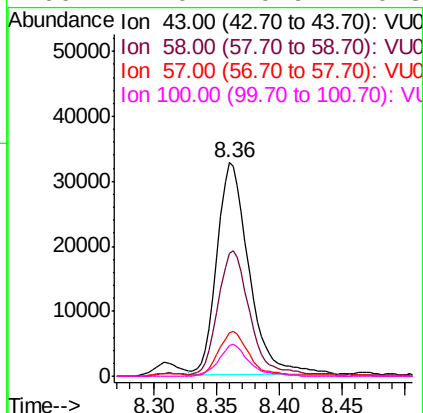
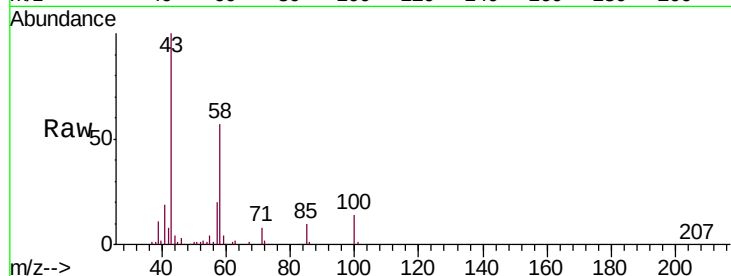




#48
2-Hexanone
Concen: 16.168 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU029488.D
Acq: 15 Feb 2019 10:45

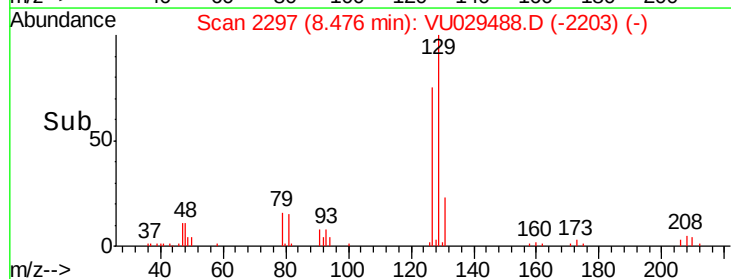
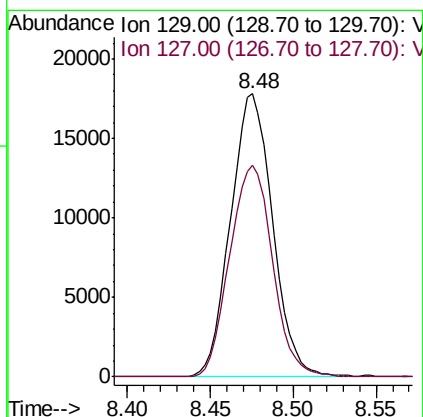
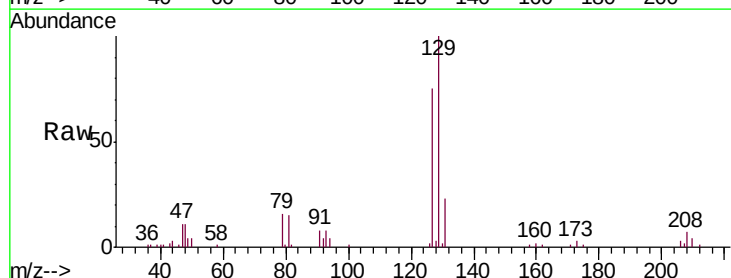
Instrument :
MSVOA_U
ClientSampleId :
VSTD01042

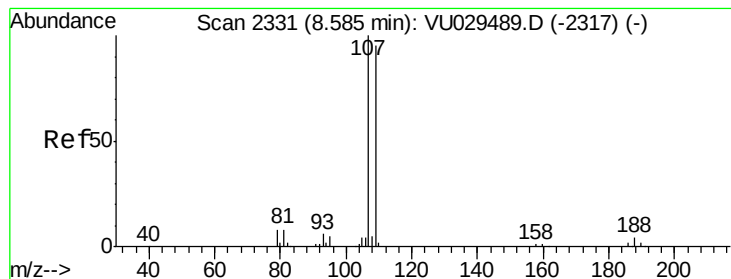
Tgt Ion:	43	Resp:	58203
Ion	Ratio	Lower	Upper
43	100		
58	57.1	46.4	69.6
57	19.0	15.7	23.5
100	14.0	10.9	16.3



#49
Dibromochloromethane
Concen: 10.568 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU029488.D
Acq: 15 Feb 2019 10:45

Tgt Ion:	129	Resp:	31394
Ion	Ratio	Lower	Upper
129	100		
127	74.7	54.4	101.0





#50

1,2-Dibromoethane

Concen: 9.726 ug/L

RT: 8.58 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD01042

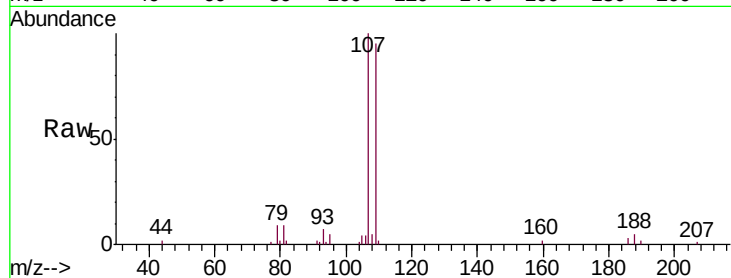
Tgt Ion:107 Resp: 29323

Ion Ratio Lower Upper

107 100

109 94.9 66.4 123.4

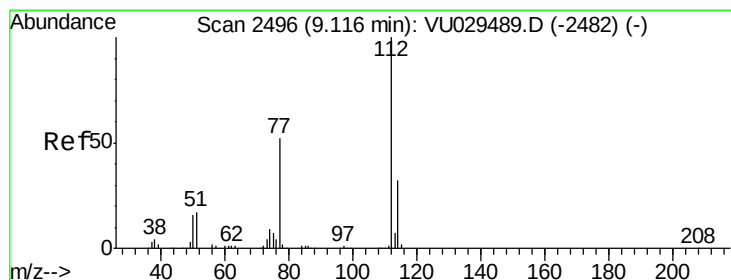
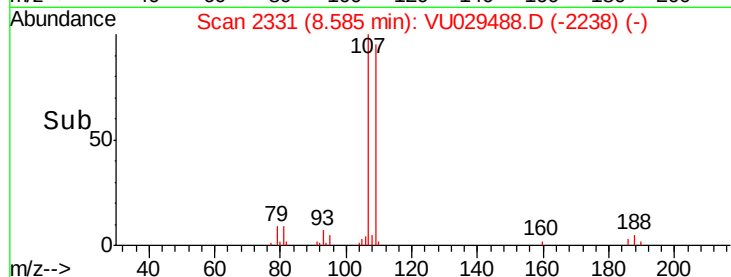
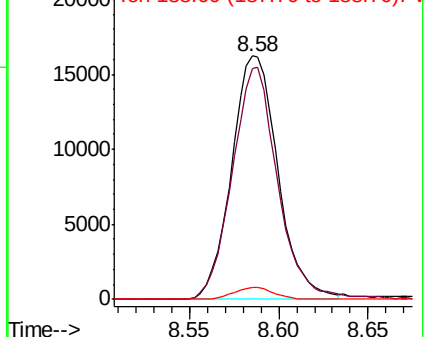
188 4.8 3.5 5.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 9.675 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

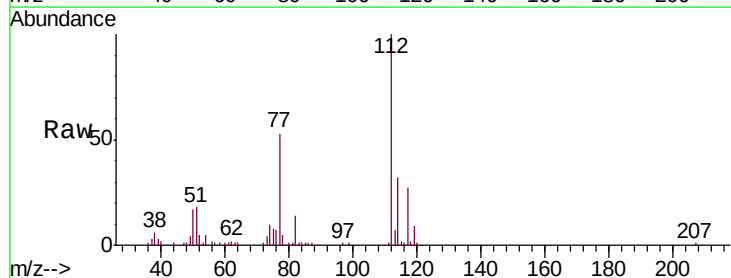
Tgt Ion:112 Resp: 75368

Ion Ratio Lower Upper

112 100

114 32.0 22.7 42.1

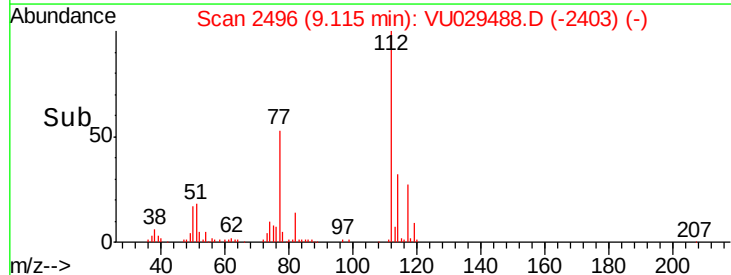
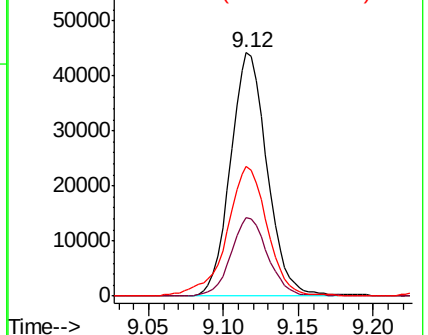
77 53.2 42.1 63.1

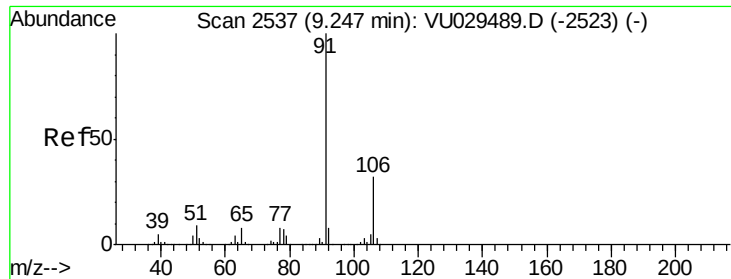


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 9.359 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

Instrument :

MSVOA_U

ClientSampleId :

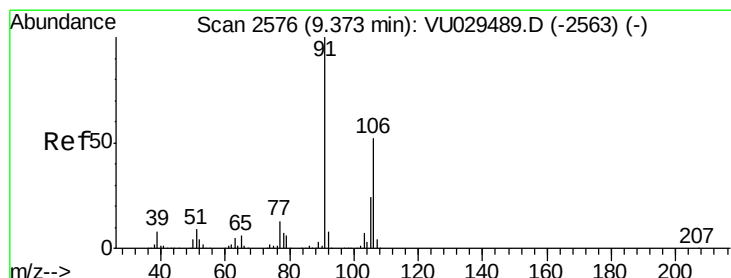
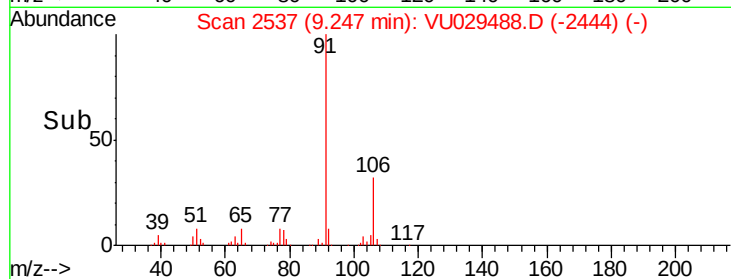
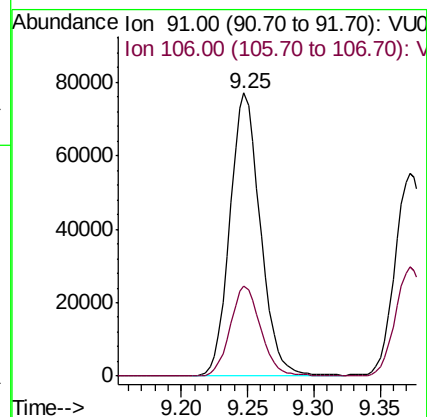
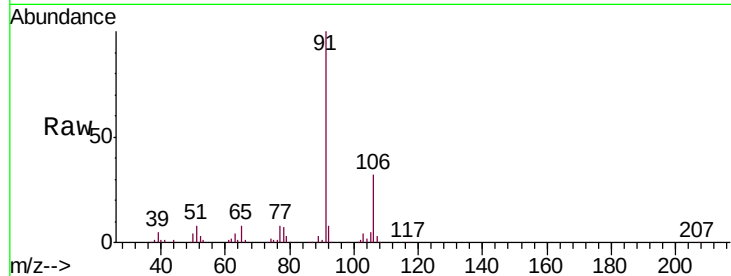
VSTD01042

Tgt Ion: 91 Resp: 123253

Ion Ratio Lower Upper

91 100

106 32.0 22.7 42.1



#53

m,p-Xylene

Concen: 10.055 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU029488.D

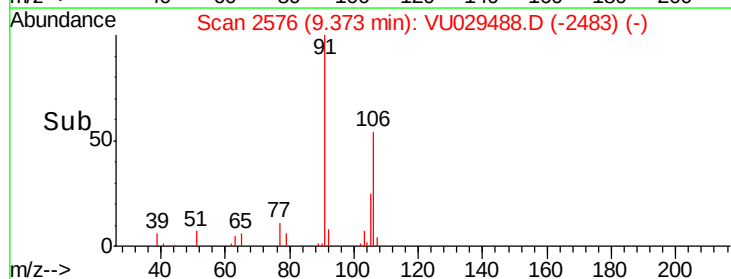
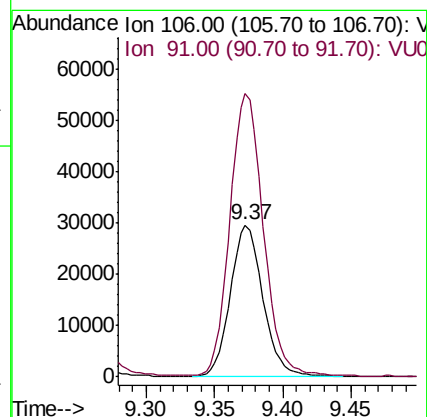
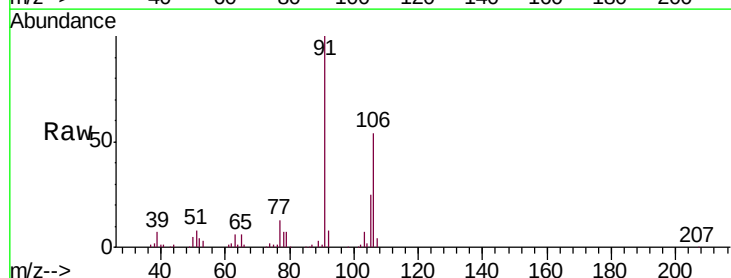
Acq: 15 Feb 2019 10:45

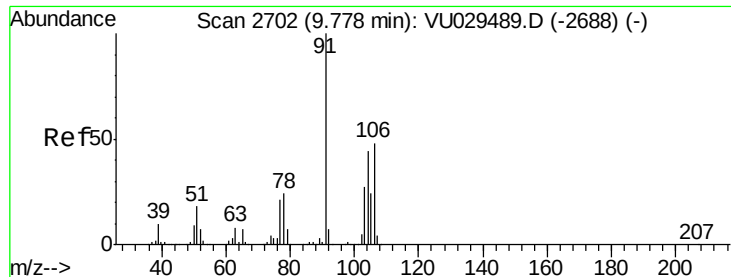
Tgt Ion: 106 Resp: 49462

Ion Ratio Lower Upper

106 100

91 186.4 135.3 251.3





#54

o-xylene

Concen: 9.874 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

Instrument :

MSVOA_U

ClientSampleId :

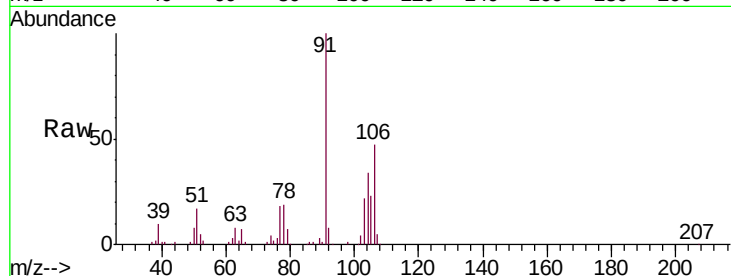
VSTD01042

Tgt Ion:106 Resp: 48850

Ion Ratio Lower Upper

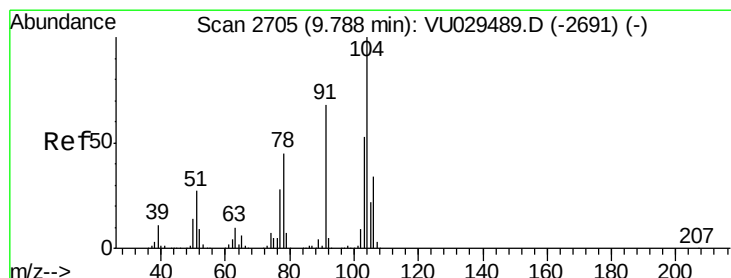
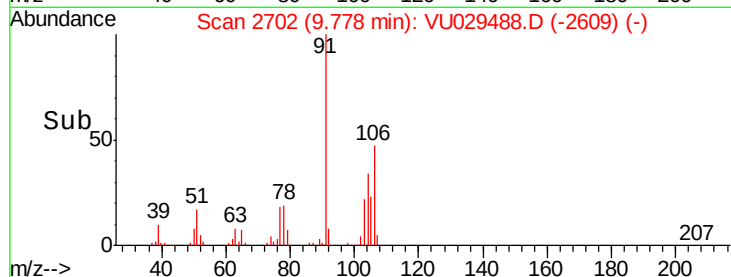
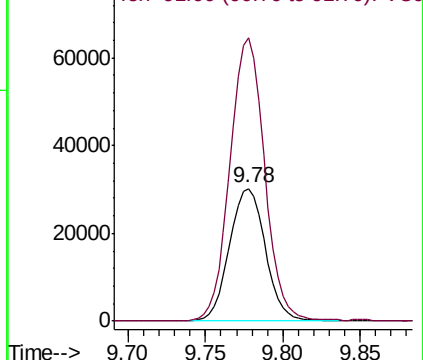
106 100

91 213.3 144.5 268.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 9.325 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU029488.D

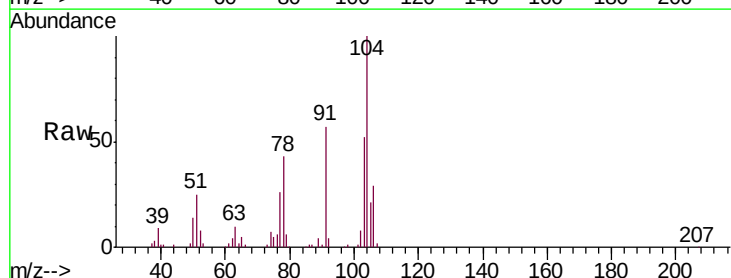
Acq: 15 Feb 2019 10:45

Tgt Ion:104 Resp: 77914

Ion Ratio Lower Upper

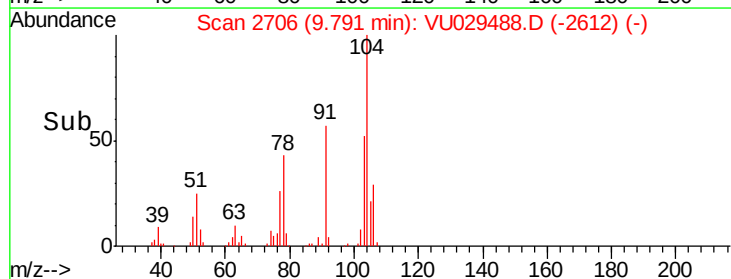
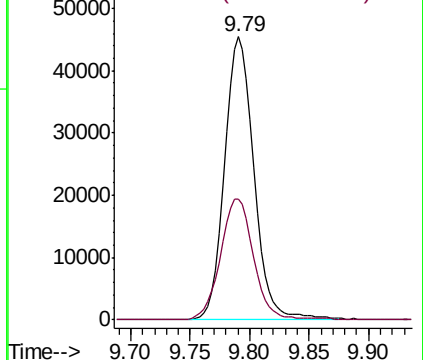
104 100

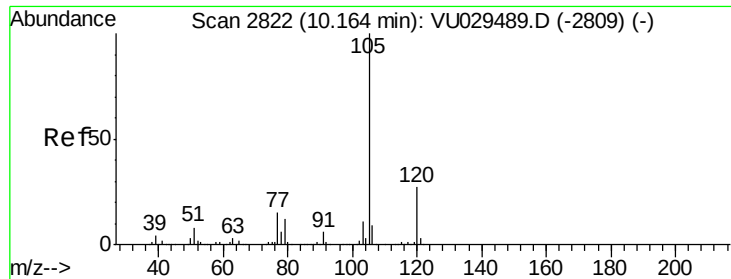
78 42.8 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 10.004 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD01042

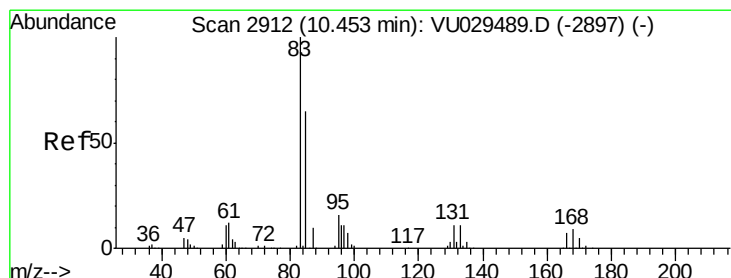
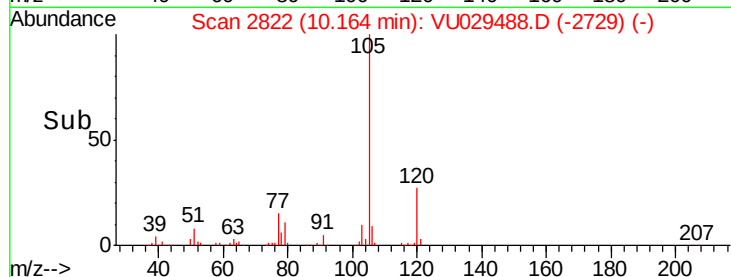
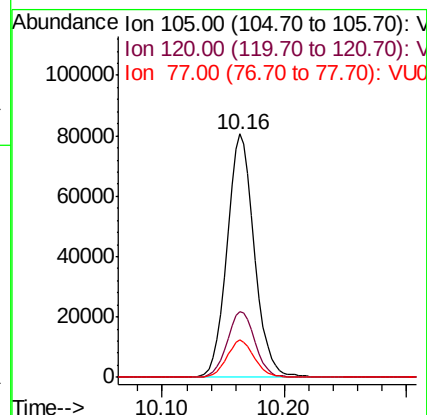
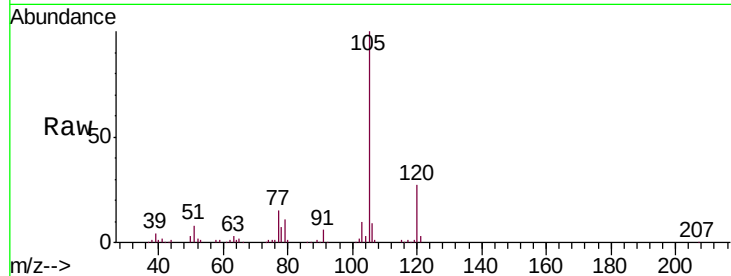
Tgt Ion: 105 Resp: 126474

Ion Ratio Lower Upper

105 100

120 27.6 21.9 32.9

77 15.3 11.7 17.5



#58

1,1,2,2-Tetrachloroethane

Concen: 8.931 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

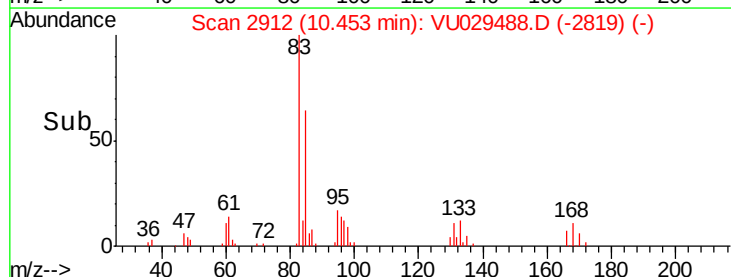
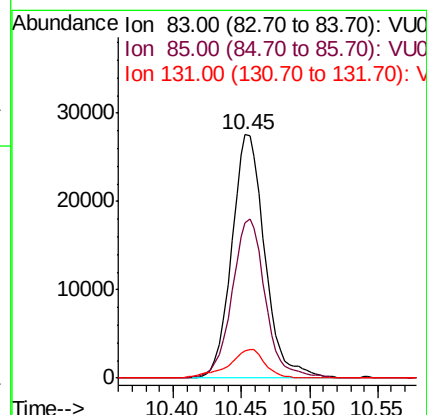
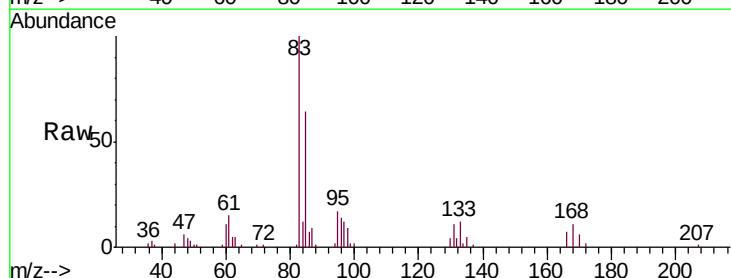
Tgt Ion: 83 Resp: 46255

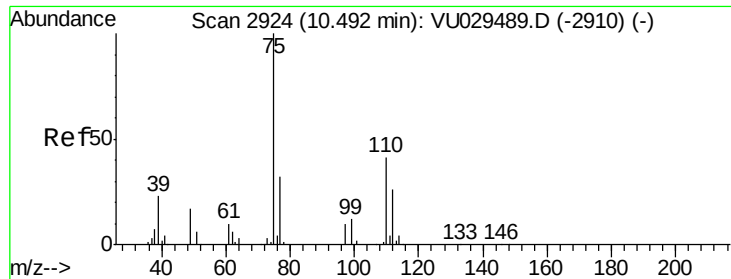
Ion Ratio Lower Upper

83 100

85 63.7 45.5 84.5

131 11.3 8.6 12.8

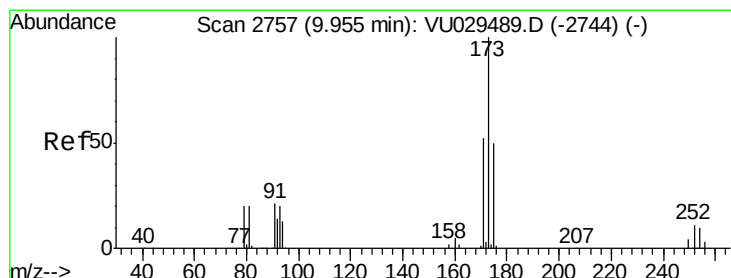
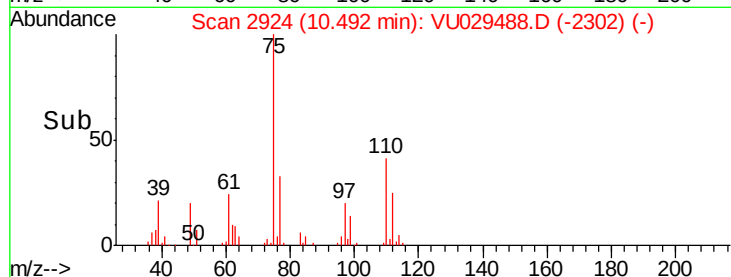
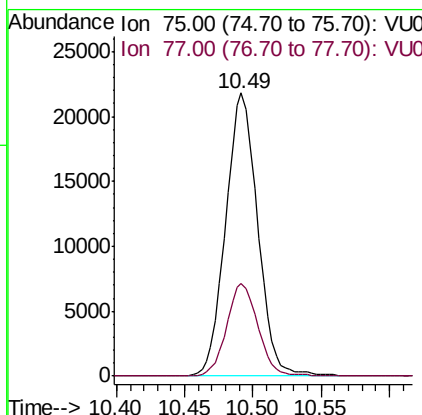
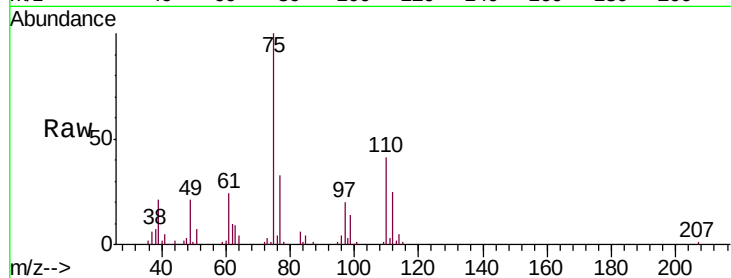




#59
 1,2,3-Trichloropropane
 Concen: 8.954 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU029488.D
 Acq: 15 Feb 2019 10:45

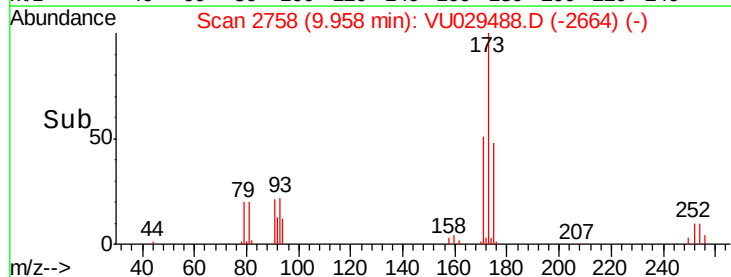
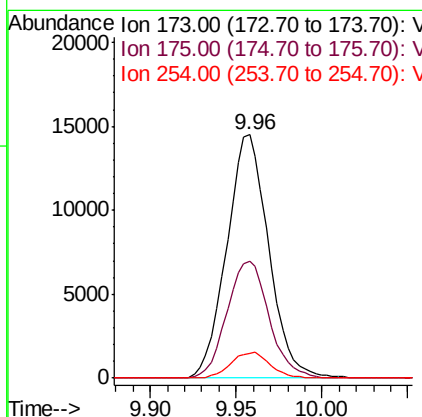
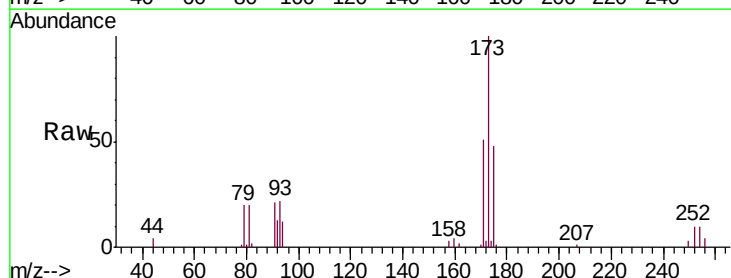
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01042

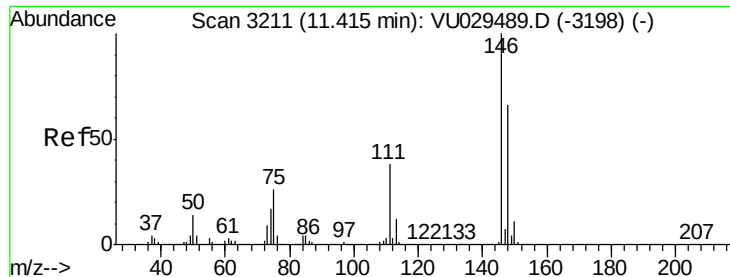
Tgt Ion: 75 Resp: 35613
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.7 38.5



#61
 Bromoform
 Concen: 10.068 ug/L
 RT: 9.96 min Scan# 2758
 Delta R.T. 0.00 min
 Lab File: VU029488.D
 Acq: 15 Feb 2019 10:45

Tgt Ion: 173 Resp: 24684
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.0 58.4
 254 9.9 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 9.680 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD01042

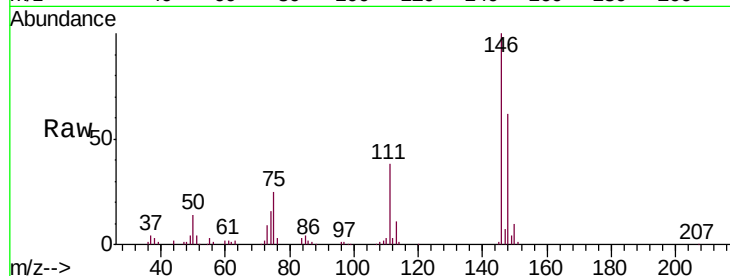
Tgt Ion:146 Resp: 60147

Ion Ratio Lower Upper

146 100

111 37.5 26.7 49.5

148 61.9 45.9 85.3

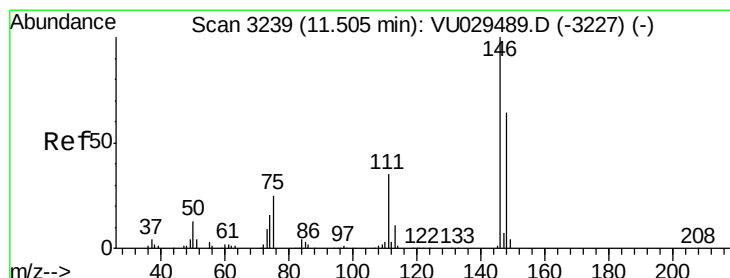
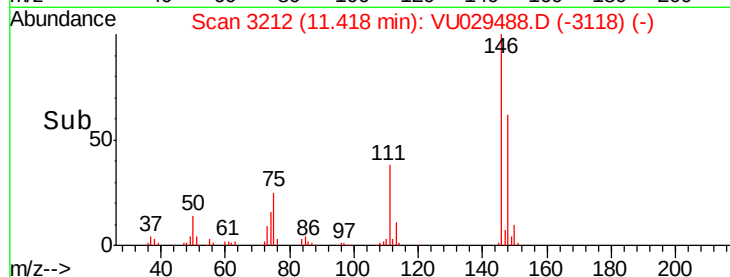
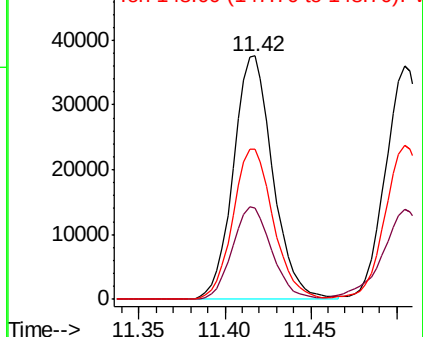


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.381 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

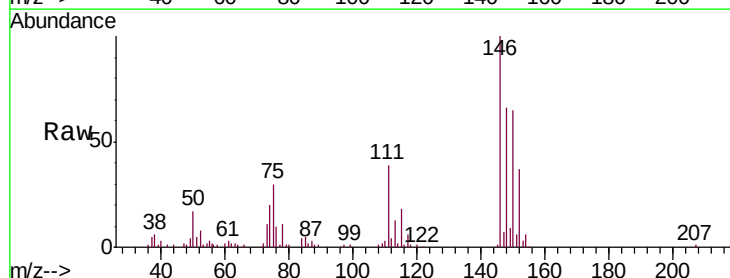
Tgt Ion:146 Resp: 59897

Ion Ratio Lower Upper

146 100

111 38.6 25.1 46.5

148 65.9 45.0 83.6

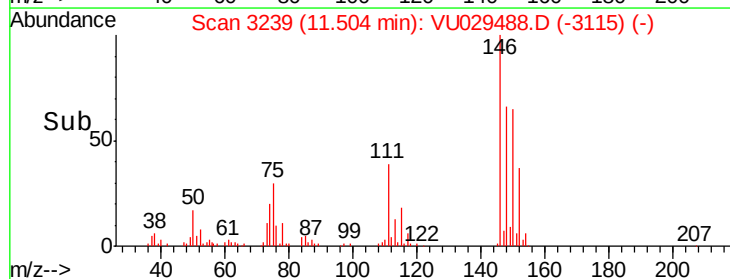
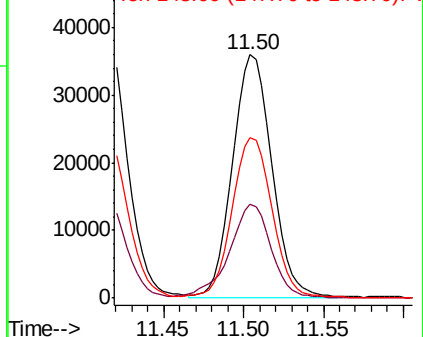


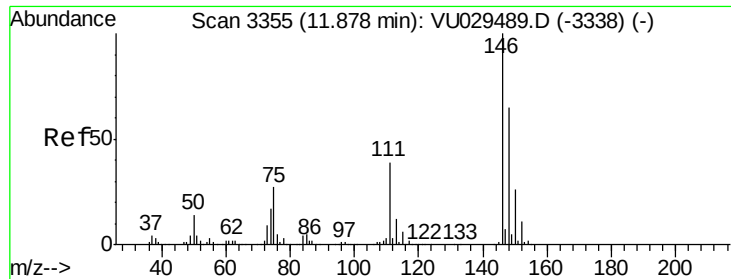
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

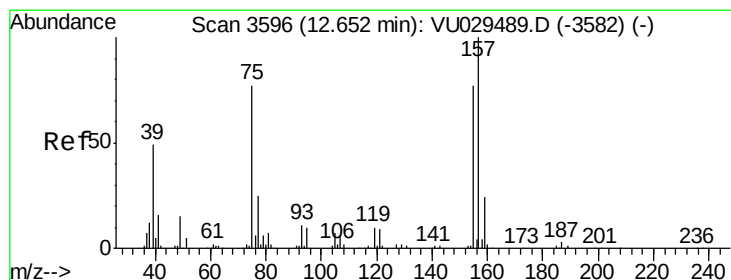
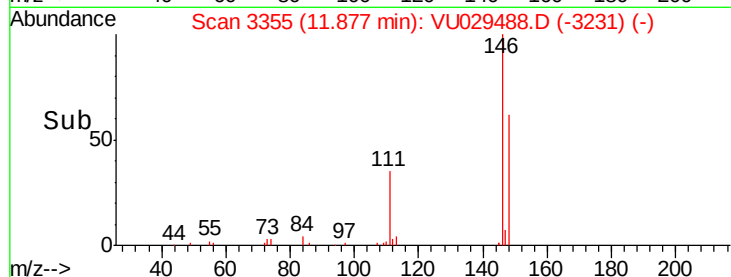
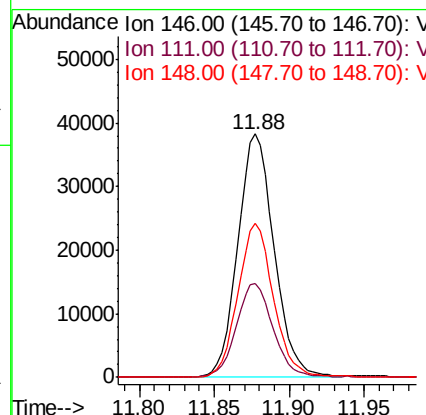
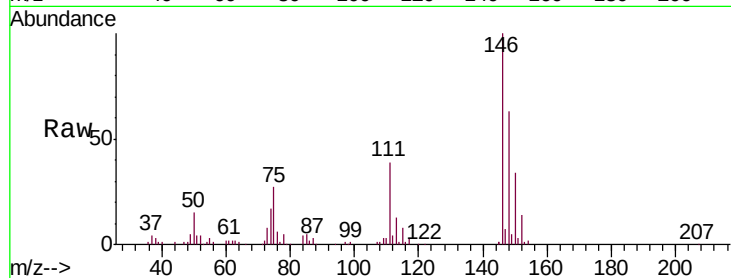




#65
 1,2-Dichlorobenzene
 Concen: 10.046 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VU029488.D
 Acq: 15 Feb 2019 10:45

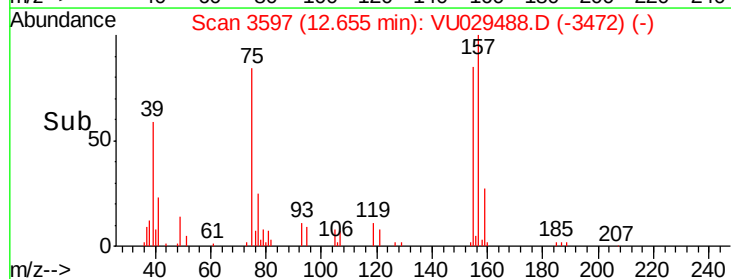
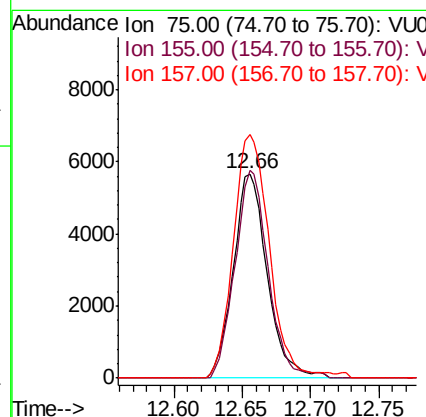
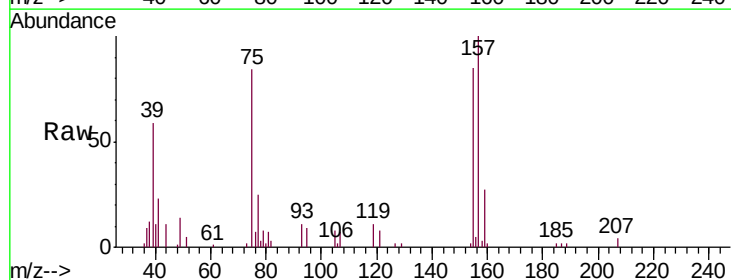
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01042

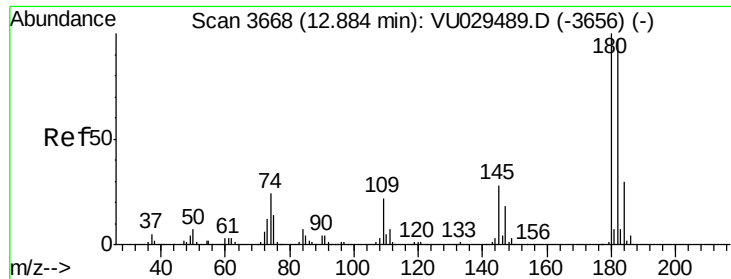
Tgt Ion:146 Resp: 64779
 Ion Ratio Lower Upper
 146 100
 111 38.6 31.2 46.8
 148 63.0 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.882 ug/L
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU029488.D
 Acq: 15 Feb 2019 10:45

Tgt Ion: 75 Resp: 9788
 Ion Ratio Lower Upper
 75 100
 155 101.7 79.5 119.3
 157 119.1 103.4 155.0

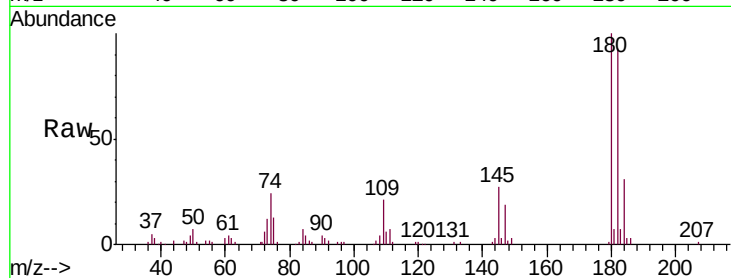




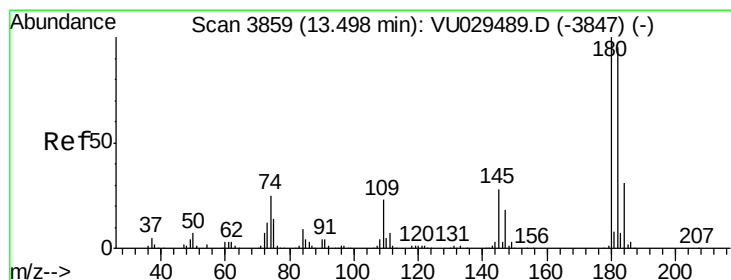
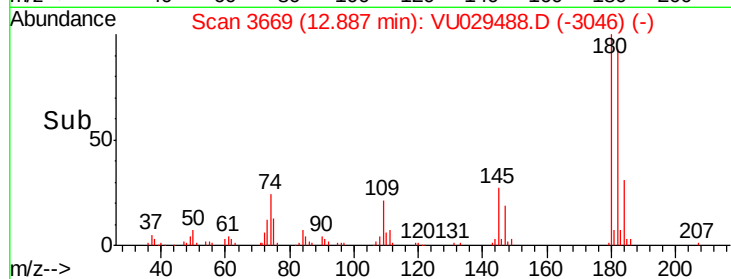
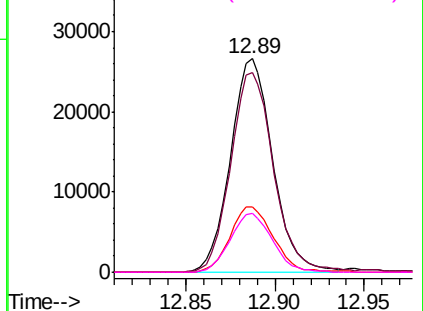
#67
 1,3,5-Trichlorobenzene
 Concen: 9.586 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.00 min
 Lab File: VU029488.D
 Acq: 15 Feb 2019 10:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01042

Tgt Ion:180 Resp: 44054
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.9 116.9
 184 31.4 24.5 36.7
 145 27.3 22.4 33.6

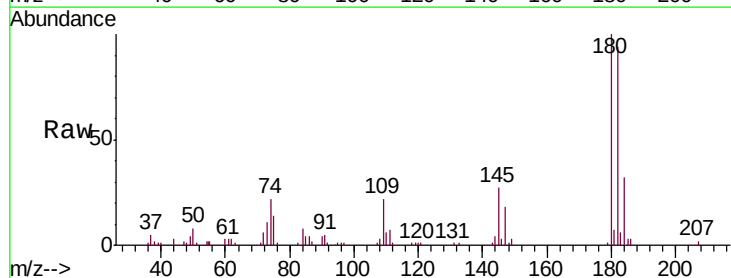


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

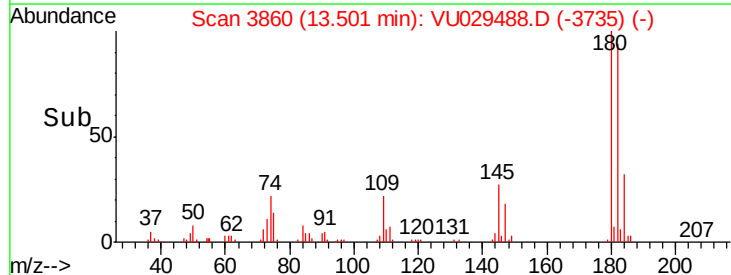
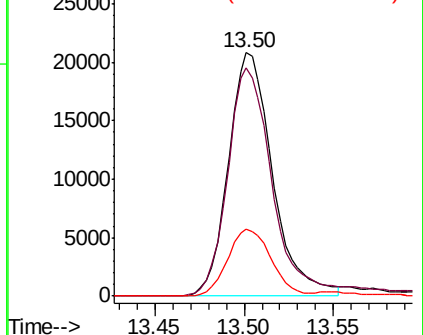


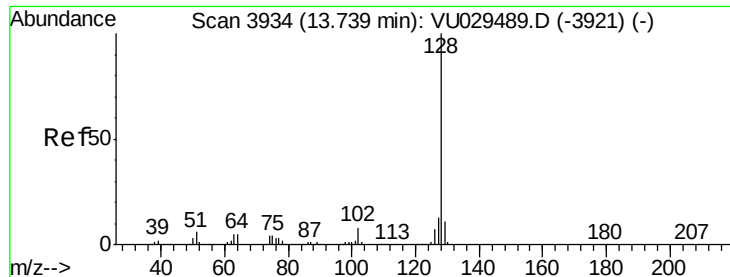
#68
 1,2,4-trichlorobenzene
 Concen: 9.245 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029488.D
 Acq: 15 Feb 2019 10:45

Tgt Ion:180 Resp: 35931
 Ion Ratio Lower Upper
 180 100
 182 97.5 76.2 114.2
 145 27.0 22.7 34.1



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





#69

Naphthalene

Concen: 8.005 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD01042

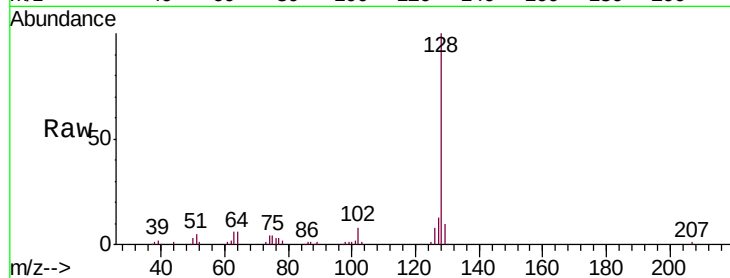
Tgt Ion:128 Resp: 106033

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

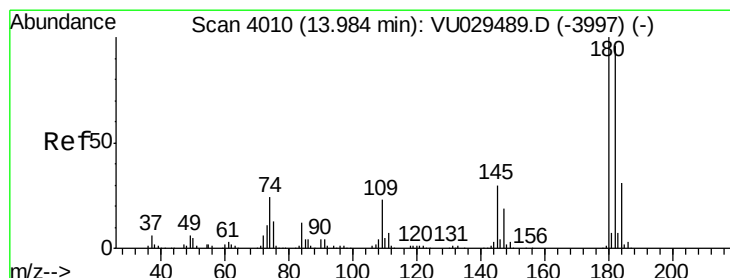
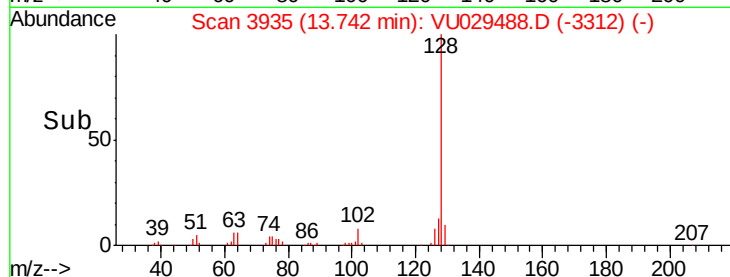
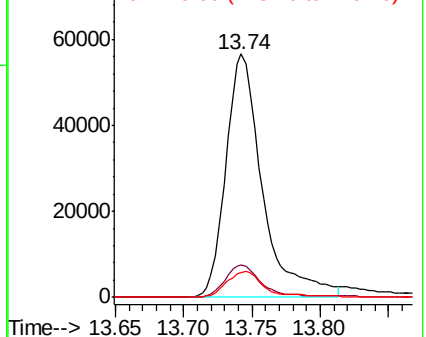
129 10.1 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 9.601 ug/L

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU029488.D

Acq: 15 Feb 2019 10:45

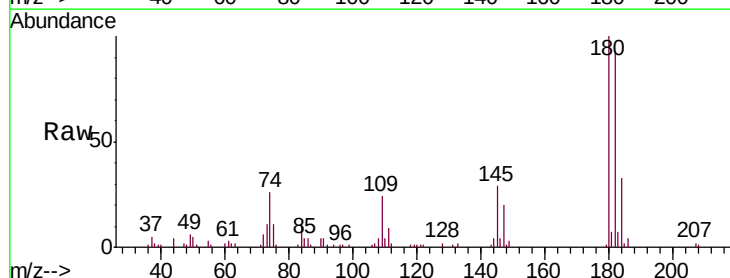
Tgt Ion:180 Resp: 39969

Ion Ratio Lower Upper

180 100

182 91.4 76.8 115.2

145 28.0 24.4 36.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

