

Data File : VU029588.D
Acq On : 21 Feb 2019 11:05
Operator : JC/SP
Sample : VSTD00147
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00147

Quant Time: Feb 22 02:41:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 22 02:38:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	244008	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	233241	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	123298	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	14798	0.93	ug/L	0.00
7) Chloroethane-d5	1.68	69	13803	0.92	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	32771	0.96	ug/L	0.00
20) 2-Butanone-d5	4.19	46	31155	8.65	ug/L	0.00
24) Chloroform-d	4.65	84	25042	0.89	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	14297	0.94	ug/L	0.00
32) Benzene-d6	5.34	84	57814	0.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	16858	0.97	ug/L	0.00
41) Toluene-d8	7.56	98	56611	0.97	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	6200	0.87	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	31369	8.95	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	14677	0.94	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	23330	0.96	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	18792	0.987 ug/L	98
3) Chloromethane	1.33	50	16413	0.997 ug/L	100
5) Vinyl chloride	1.40	62	20532	0.987 ug/L	# 81
6) Bromomethane	1.63	94	11151	0.968 ug/L	98
8) Chloroethane	1.70	64	13357	0.991 ug/L	98
9) Trichlorofluoromethane	1.89	101	30749	0.996 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	18853	0.990 ug/L	98
12) 1,1-Dichloroethene	2.29	96	18107	1.000 ug/L	89
13) Acetone	2.32	43	25950	10.025 ug/L	99
14) Carbon disulfide	2.48	76	58649	0.986 ug/L	100
15) Methyl Acetate	2.62	43	7564	1.002 ug/L	95
16) Methylene chloride	2.70	84	22127	1.034 ug/L	99
17) Methyl tert-butyl Ether	3.00	73	43061	0.995 ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	19101	0.970 ug/L	99
19) 1,1-Dichloroethane	3.44	63	33342	1.087 ug/L	99
21) 2-Butanone	4.28	43	33673	9.376 ug/L	94
22) cis-1,2-Dichloroethene	4.22	96	17283	0.958 ug/L	93
23) Bromochloromethane	4.55	128	7998	0.982 ug/L	96
25) Chloroform	4.67	83	30905	1.007 ug/L	99
27) 1,2-Dichloroethane	5.41	62	17978	0.991 ug/L	96
29) 1,1,1-Trichloroethane	4.91	97	24662	1.017 ug/L	98
30) Cyclohexane	4.99	56	23360	0.974 ug/L	96
31) Carbon tetrachloride	5.13	117	20188	0.957 ug/L	99
33) Benzene	5.39	78	61889	1.004 ug/L	100
34) Trichloroethene	6.18	95	17330	1.007 ug/L	93
35) Methylcyclohexane	6.41	83	27679	0.992 ug/L	97
37) 1,2-Dichloropropane	6.43	63	14993	0.966 ug/L	# 97
38) Bromodichloromethane	6.76	83	18990	0.980 ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	21842	0.961 ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	85325	9.777 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	67727	0.969	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	16650	0.913	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	12544	1.032	ug/L	96
47) Tetrachloroethene	8.22	164	15928	0.997	ug/L	98
48) 2-Hexanone	8.37	43	59981	9.398	ug/L	98
49) Dibromochloromethane	8.48	129	13886	0.943	ug/L	97
50) 1,2-Dibromoethane	8.59	107	12036	1.011	ug/L #	98
51) Chlorobenzene	9.12	112	47638	0.992	ug/L	99
52) Ethylbenzene	9.25	91	74777	0.956	ug/L	98
53) m,p-xylene	9.37	106	29437	0.939	ug/L	98
54) o-xylene	9.78	106	28234	0.935	ug/L	98
55) Styrene	9.79	104	46635	0.925	ug/L	97
56) Isopropylbenzene	10.16	105	77238	0.954	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	14475	0.966	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	10664	1.028	ug/L	95
61) Bromoform	9.95	173	7871	0.963	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	38364	0.980	ug/L	94
63) 1,4-Dichlorobenzene	11.51	146	39057	0.984	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	37959	1.004	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.65	75	2168	0.976	ug/L #	71
67) 1,3,5-Trichlorobenzene	12.89	180	30538	0.969	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	25712	0.965	ug/L	97
69) Naphthalene	13.75	128	36367	0.883	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	23838	0.956	ug/L	98

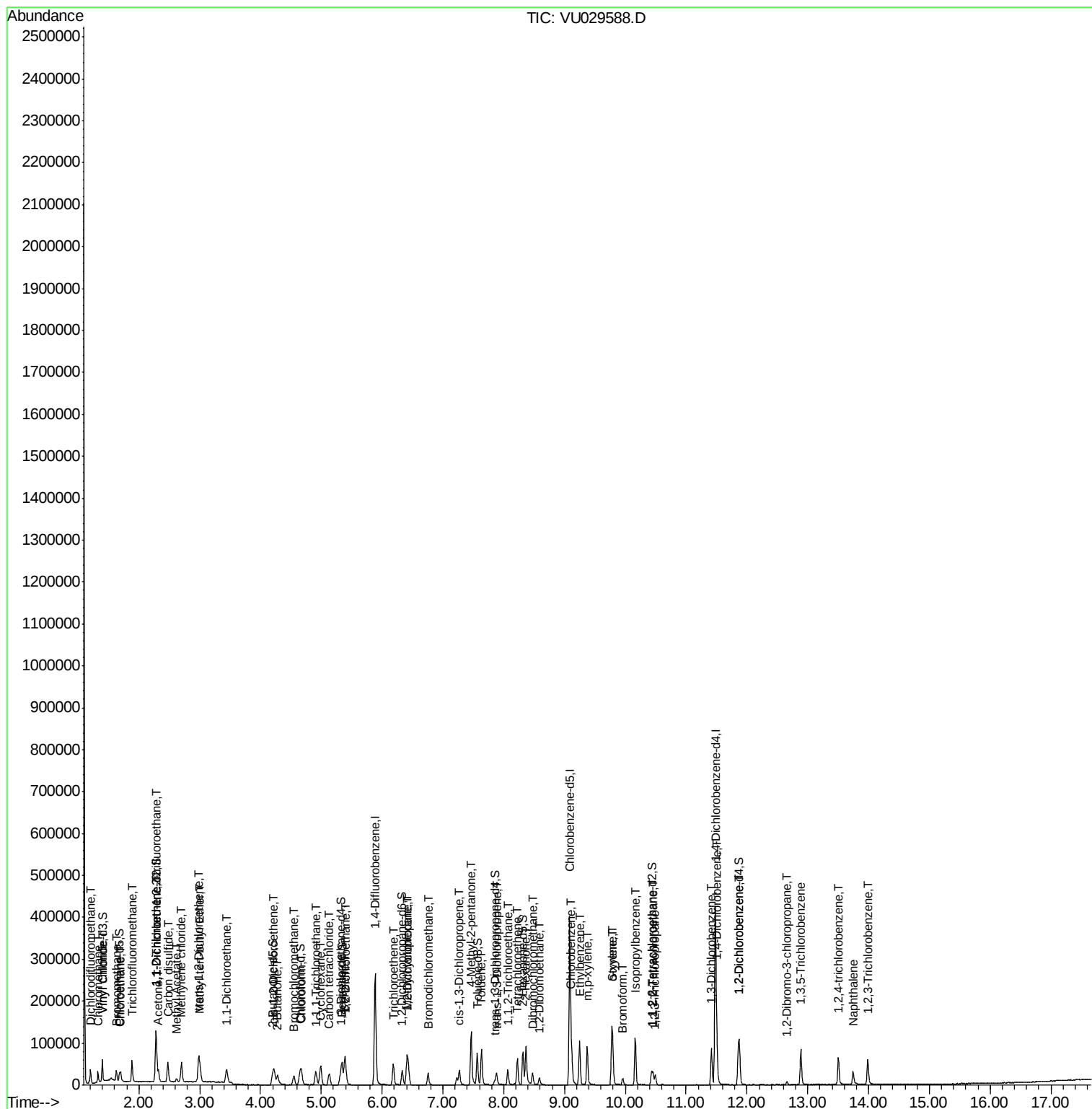
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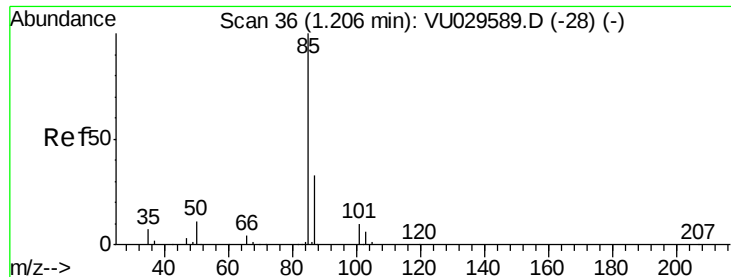
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#2

Dichlorodifluoromethane

Concen: 0.987 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

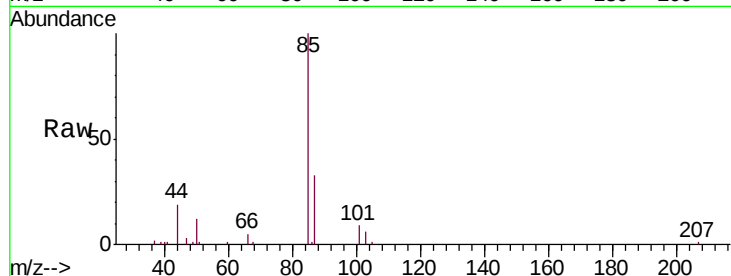
VSTD00147

Tgt Ion: 85 Resp: 18792

Ion Ratio Lower Upper

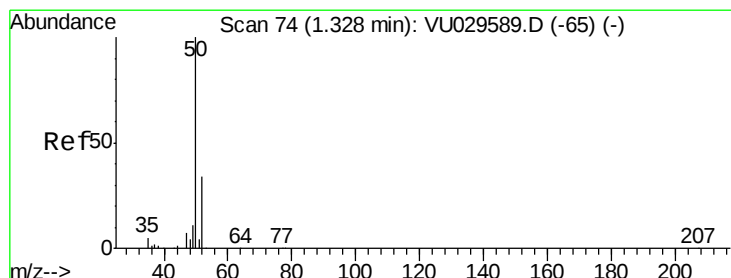
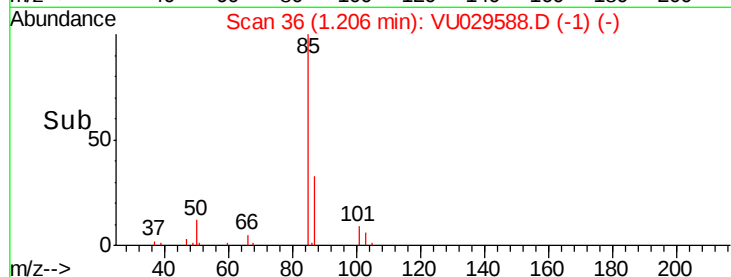
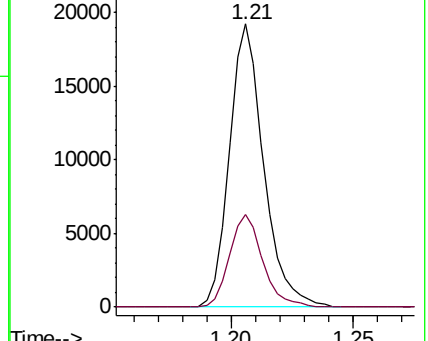
85 100

87 31.7 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.997 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029588.D

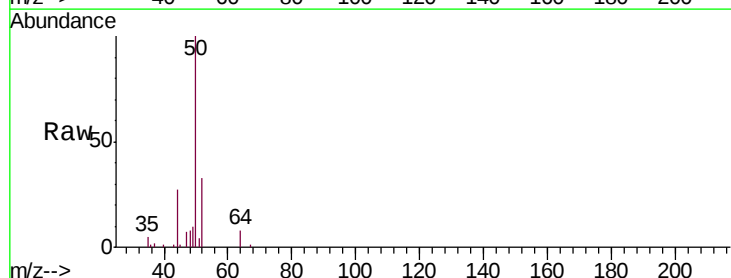
Acq: 21 Feb 2019 11:05

Tgt Ion: 50 Resp: 16413

Ion Ratio Lower Upper

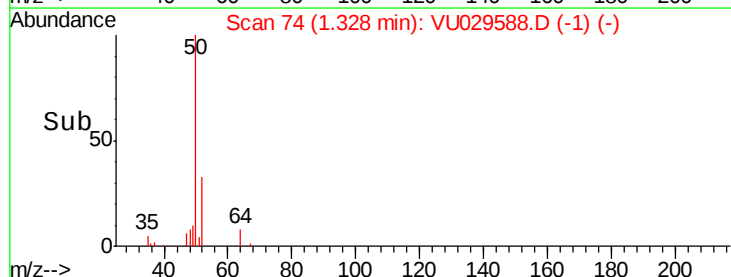
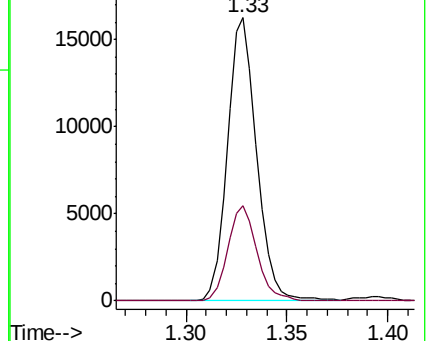
50 100

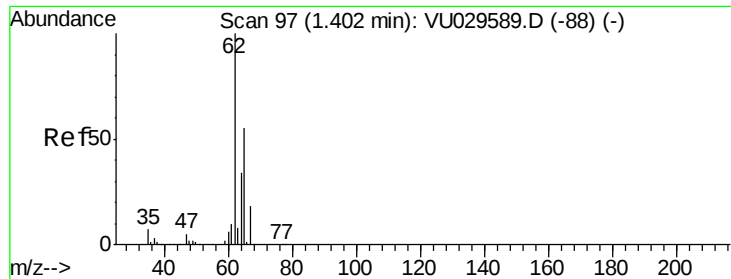
52 33.5 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.987 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

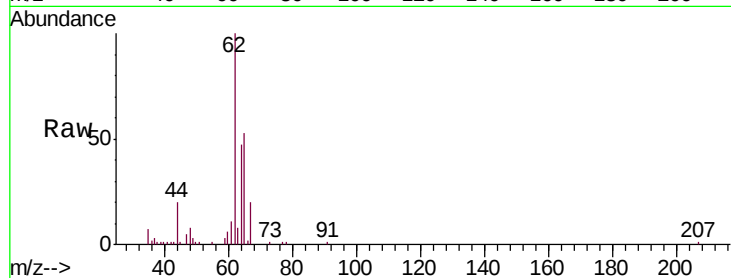
VSTD00147

Tgt Ion: 62 Resp: 20532

Ion Ratio Lower Upper

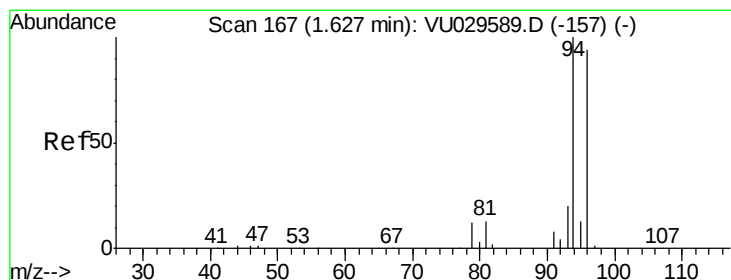
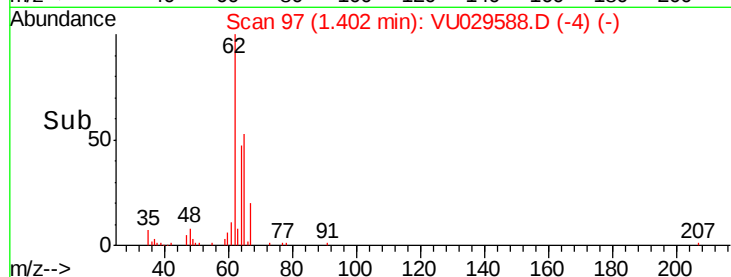
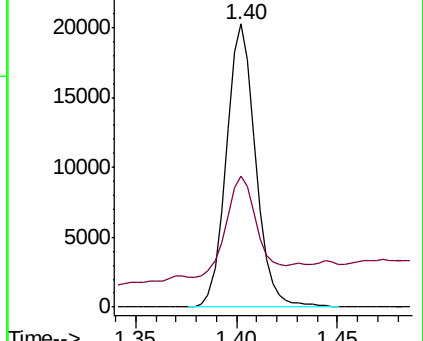
62 100

64 46.5 24.8 46.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.968 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU029588.D

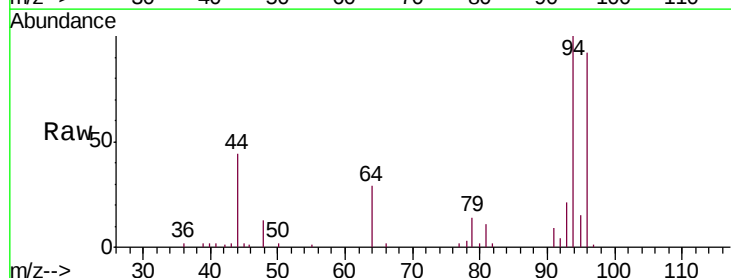
Acq: 21 Feb 2019 11:05

Tgt Ion: 94 Resp: 11151

Ion Ratio Lower Upper

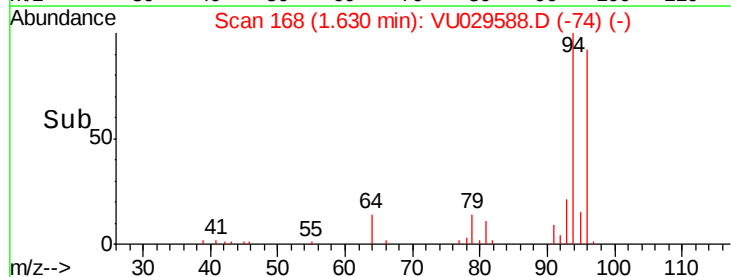
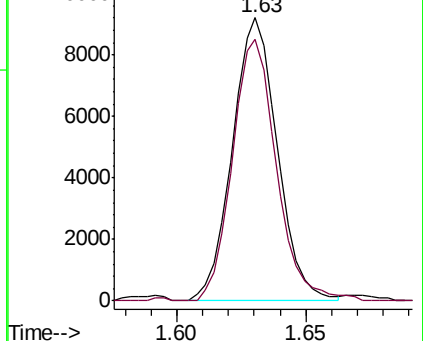
94 100

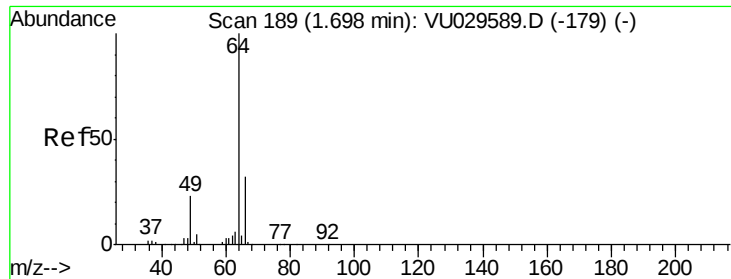
96 92.3 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.991 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

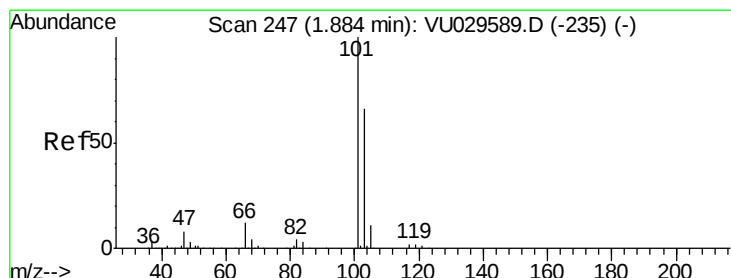
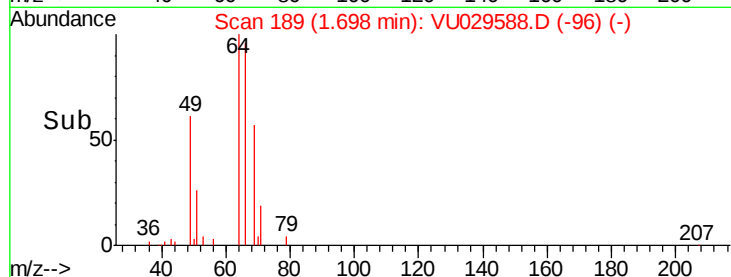
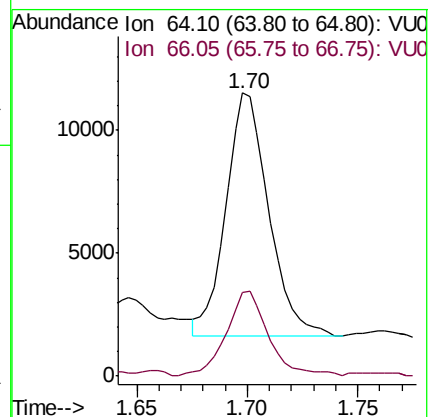
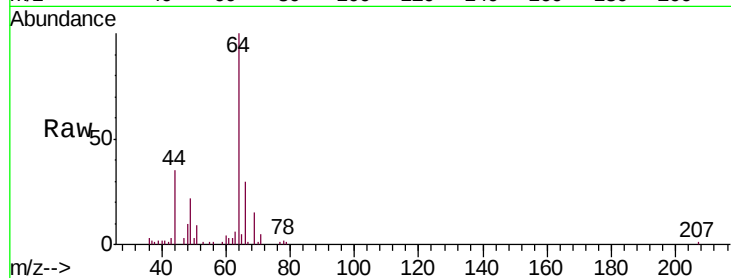
VSTD00147

Tgt Ion: 64 Resp: 13357

Ion Ratio Lower Upper

64 100

66 29.6 21.4 39.8



#9

Trichlorofluoromethane

Concen: 0.996 ug/L

RT: 1.89 min Scan# 248

Delta R.T. 0.00 min

Lab File: VU029588.D

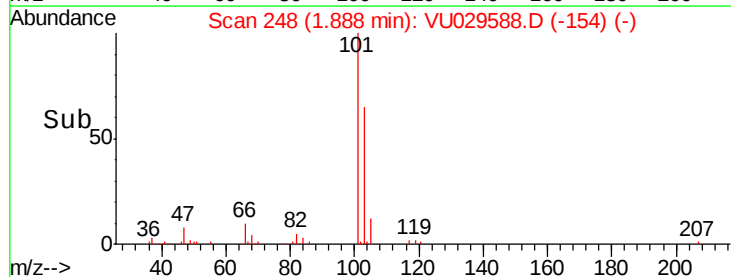
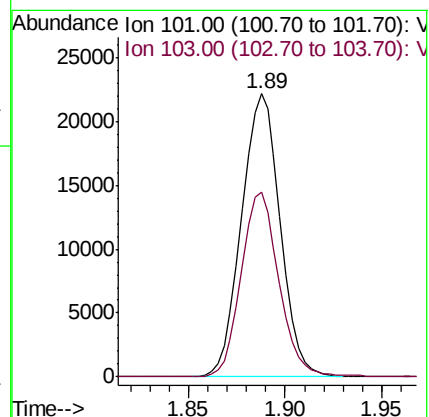
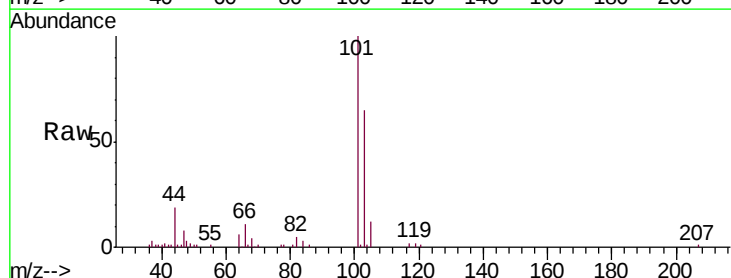
Acq: 21 Feb 2019 11:05

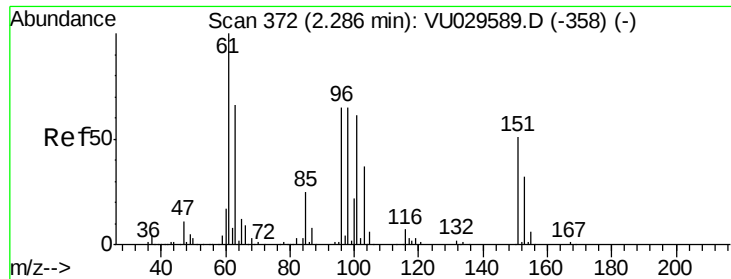
Tgt Ion: 101 Resp: 30749

Ion Ratio Lower Upper

101 100

103 63.9 52.5 78.7





#10

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

Concen: 0.990 ug/L

RT: 2.29 min Scan# 373

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00147

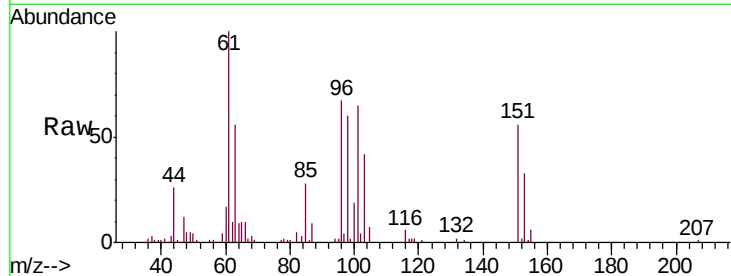
Tgt Ion: 101 Resp: 18853

Ion Ratio Lower Upper

101 100

85 42.2 32.8 49.2

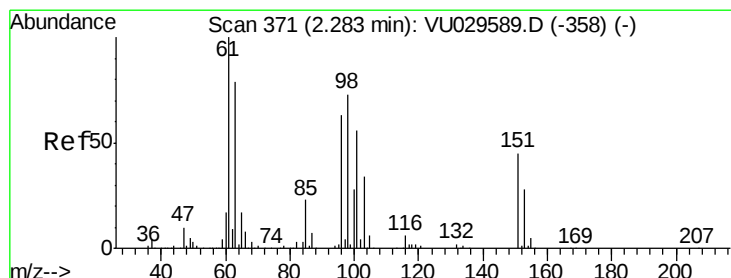
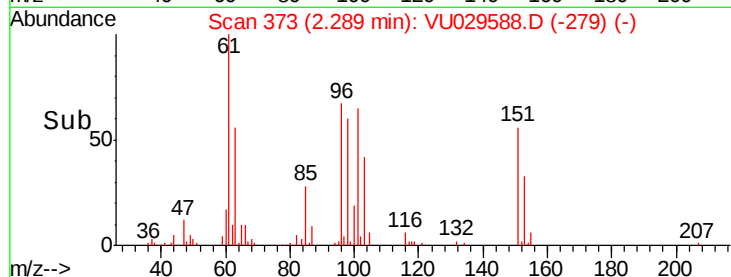
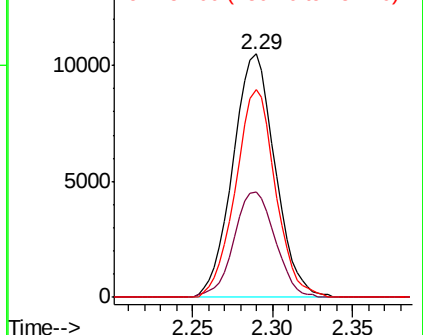
151 80.7 65.9 98.9



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: 1.000 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

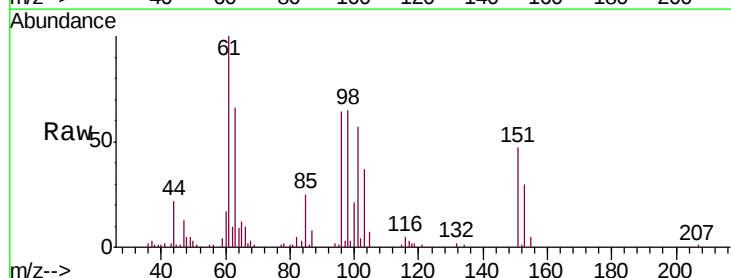
Tgt Ion: 96 Resp: 18107

Ion Ratio Lower Upper

96 100

61 155.3 111.3 206.7

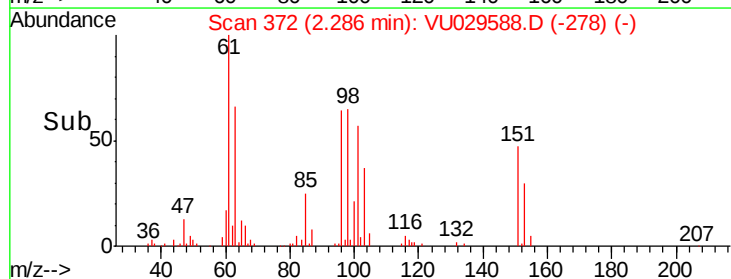
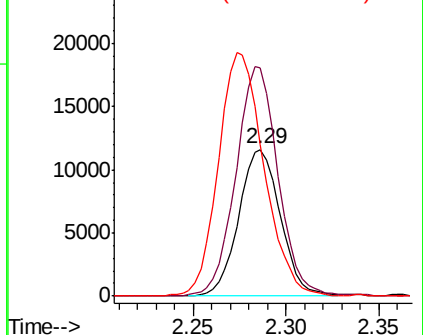
63 102.7 88.5 164.3

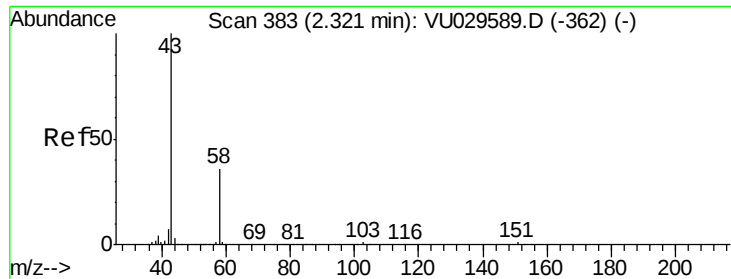


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.025 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

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ClientSampleId :

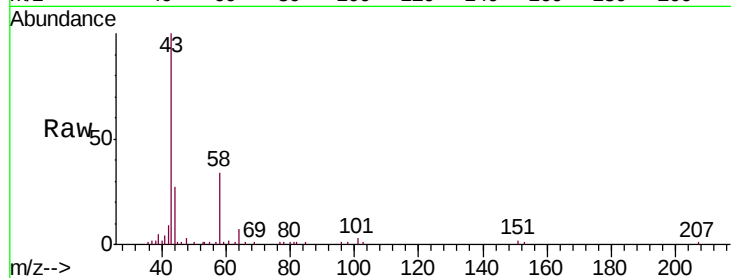
VSTD00147

Tgt Ion: 43 Resp: 25950

Ion Ratio Lower Upper

43 100

58 34.7 0.0 70.2



Abundance Ion 43.05 (42.75 to 43.75): VU029588.D (-290) (-)

Ion 58.05 (57.75 to 58.75): VU029588.D (-290) (-)

2.32

15000

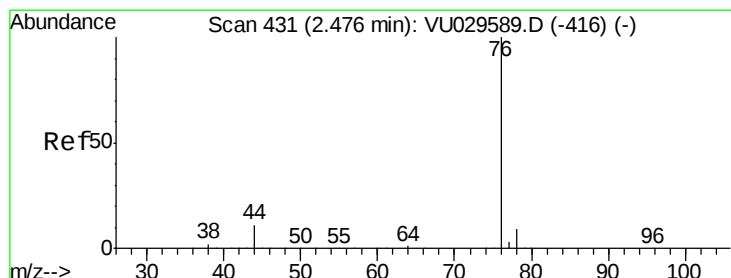
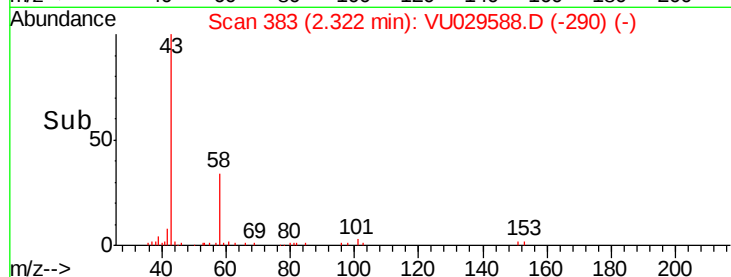
10000

5000

0

Time-->

2.25 2.30 2.35 2.40 2.45



#14

Carbon disulfide

Concen: 0.986 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029588.D

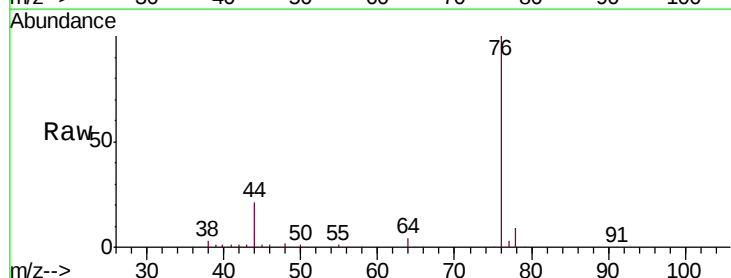
Acq: 21 Feb 2019 11:05

Tgt Ion: 76 Resp: 58649

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU029588.D (-338) (-)

Ion 78.00 (77.70 to 78.70): VU029588.D (-338) (-)

2.48

40000

30000

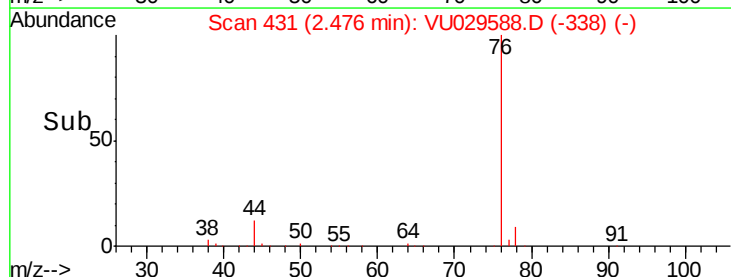
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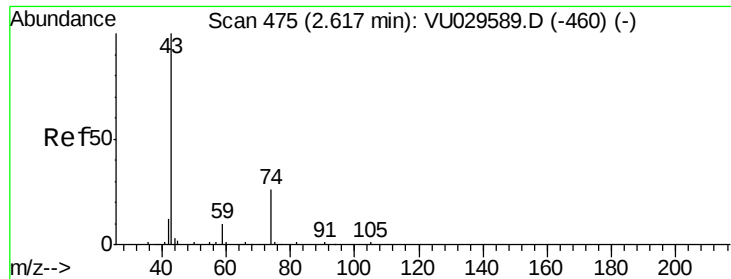
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0

Time-->

2.40 2.45 2.50 2.55

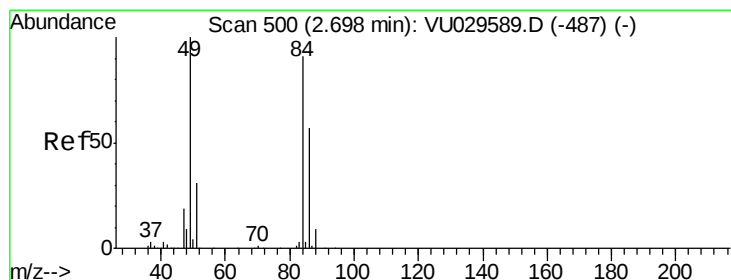
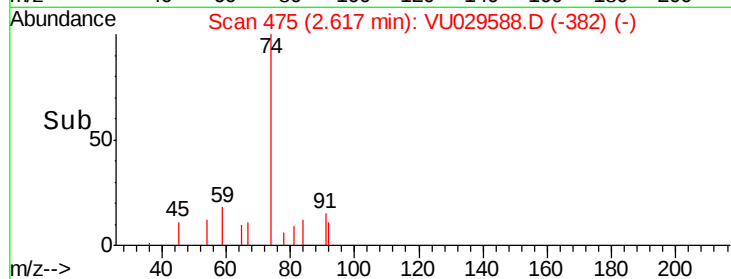
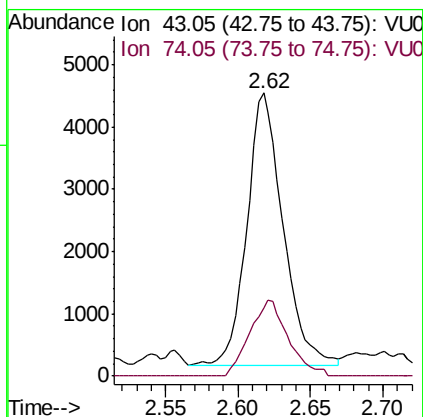
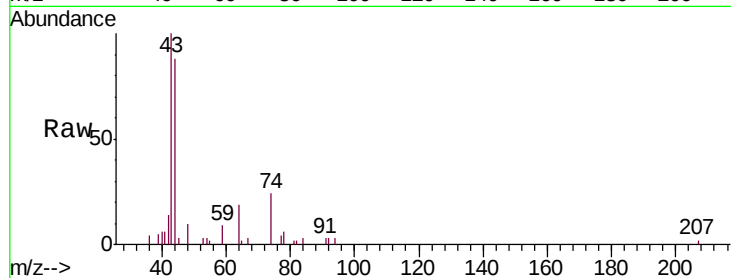




#15
Methyl Acetate
Concen: 1.002 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029588.D
Acq: 21 Feb 2019 11:05

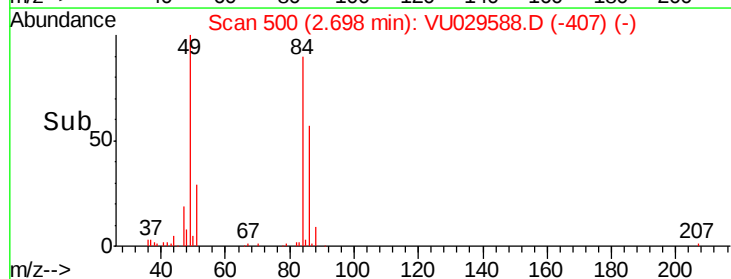
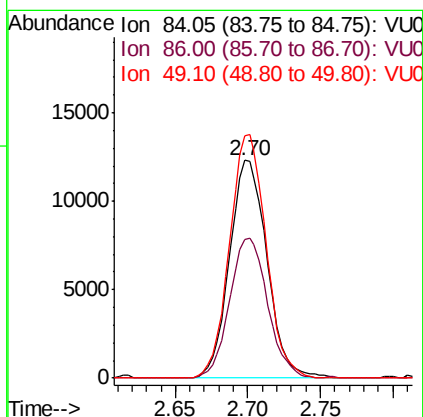
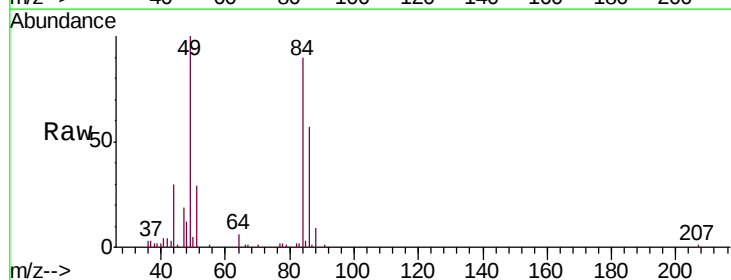
Instrument :
MSVOA_U
ClientSampleId :
VSTD00147

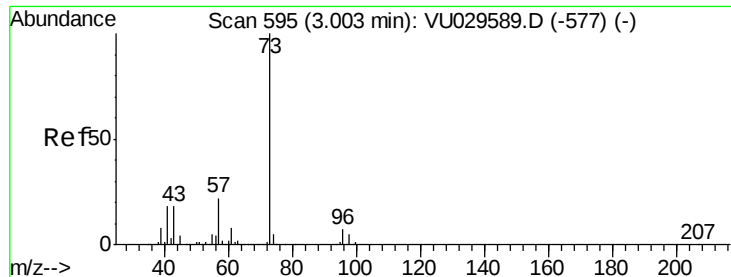
Tgt Ion: 43 Resp: 7564
Ion Ratio Lower Upper
43 100
74 29.7 21.6 32.4



#16
Methylene chloride
Concen: 1.034 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029588.D
Acq: 21 Feb 2019 11:05

Tgt Ion: 84 Resp: 22127
Ion Ratio Lower Upper
84 100
86 63.4 44.2 82.0
49 111.5 77.3 143.5





#17

Methyl tert-butyl Ether

Concen: 0.995 ug/L

RT: 3.00 min Scan# 595

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00147

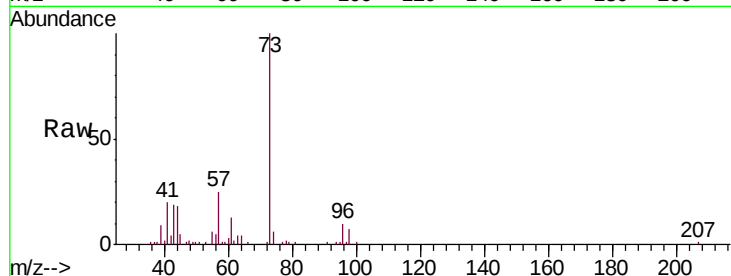
Tgt Ion: 73 Resp: 43061

Ion Ratio Lower Upper

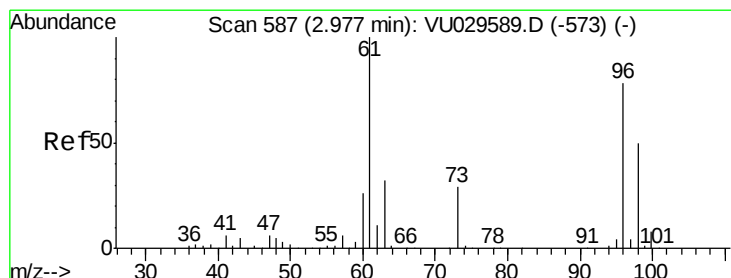
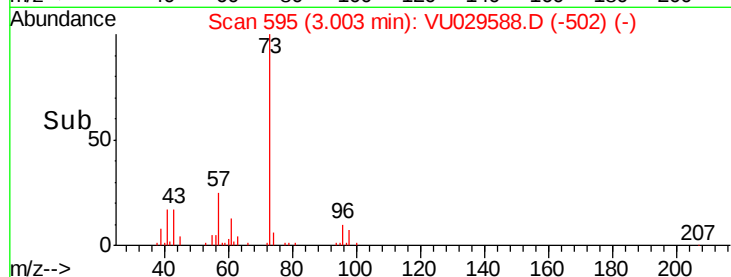
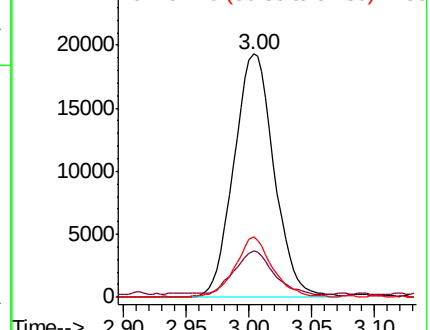
73 100

43 17.1 13.8 20.8

57 23.0 17.4 26.2



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: 0.970 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

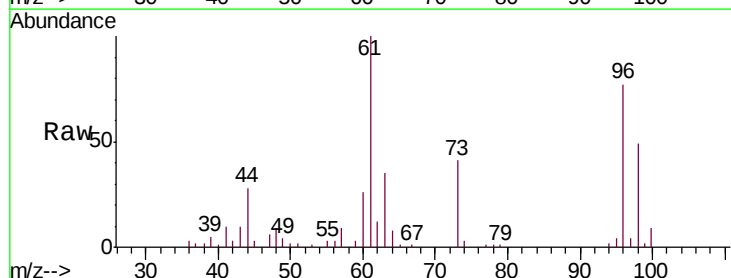
Tgt Ion: 96 Resp: 19101

Ion Ratio Lower Upper

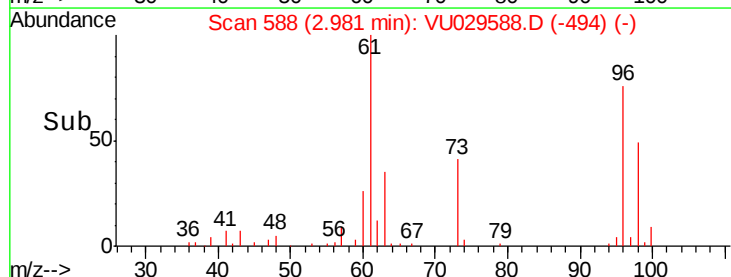
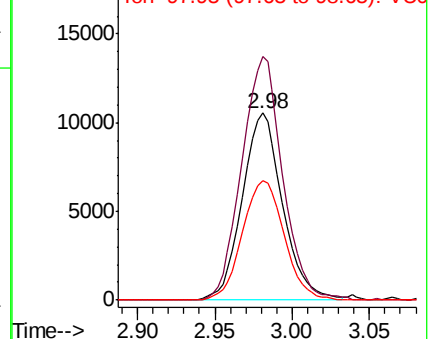
96 100

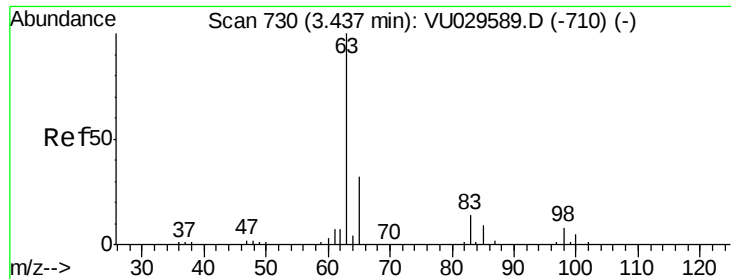
61 130.3 90.3 167.7

98 63.9 45.2 84.0



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

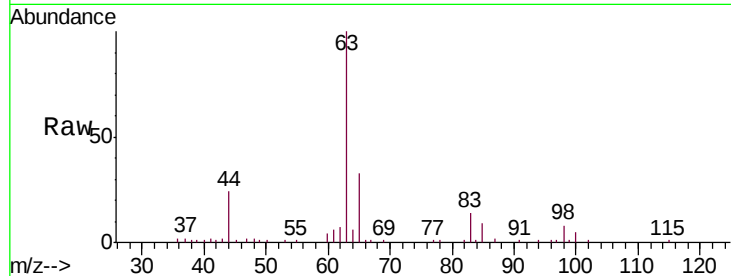




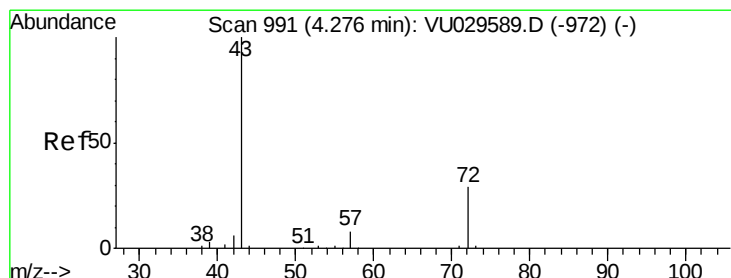
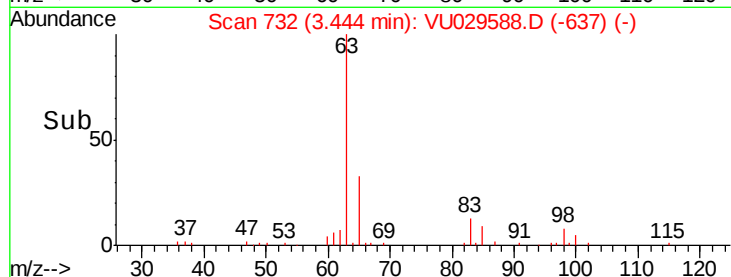
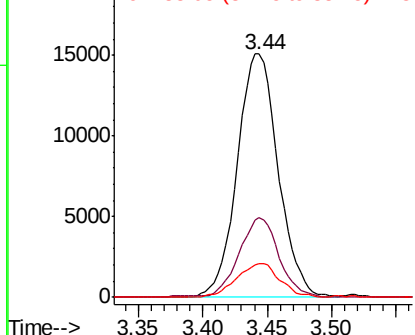
#19
 1,1-Dichloroethane
 Concen: 1.087 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.01 min
 Lab File: VU029588.D
 Acq: 21 Feb 2019 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00147

Tgt Ion: 63 Resp: 33342
 Ion Ratio Lower Upper
 63 100
 65 32.8 22.3 41.5
 83 13.8 9.9 18.5

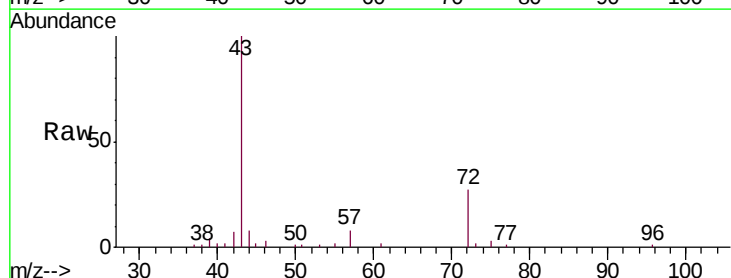


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

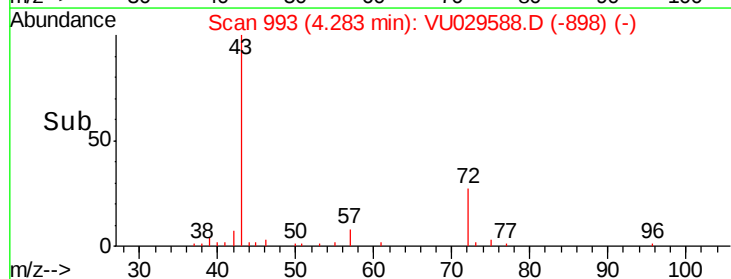
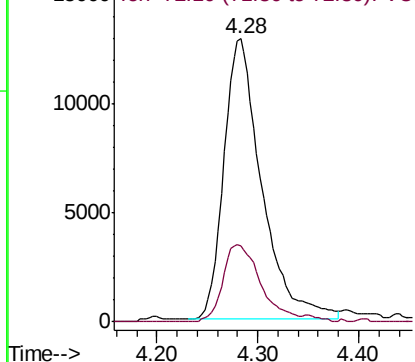


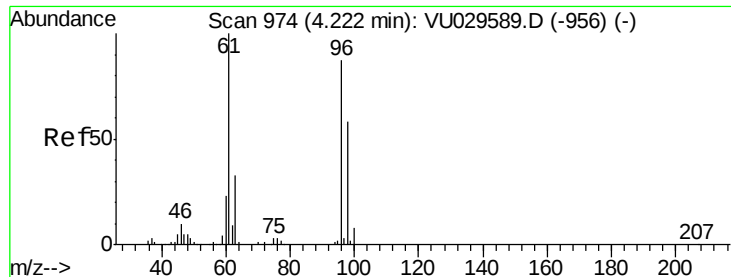
#21
 2-Butanone
 Concen: 9.376 ug/L
 RT: 4.28 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VU029588.D
 Acq: 21 Feb 2019 11:05

Tgt Ion: 43 Resp: 33673
 Ion Ratio Lower Upper
 43 100
 72 27.5 15.4 46.4



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



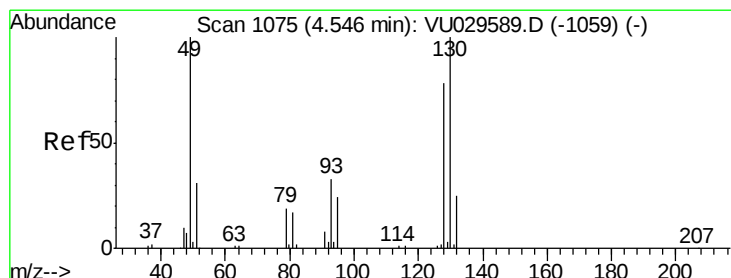
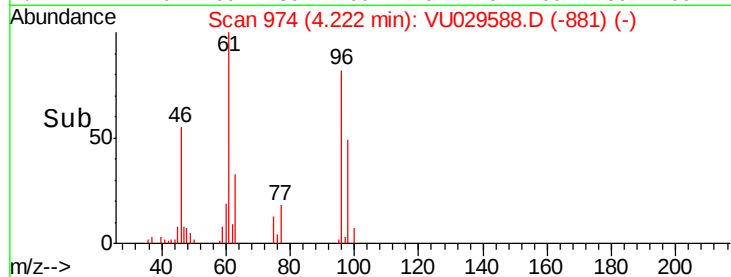
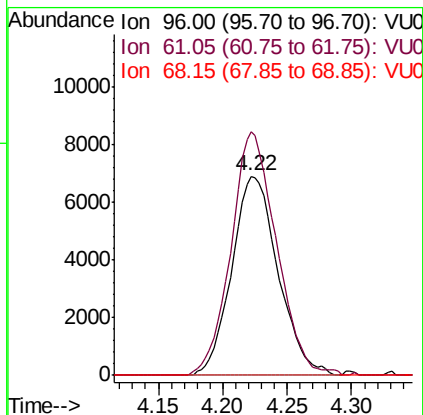
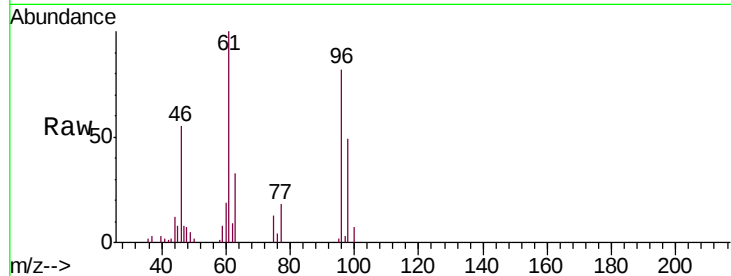


#22

cis-1,2-Dichloroethene
 Concen: 0.958 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029588.D
 Acq: 21 Feb 2019 11:05

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00147

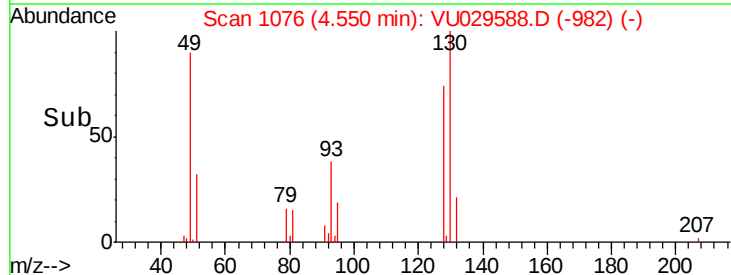
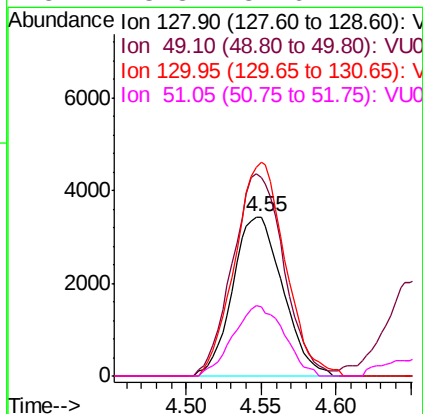
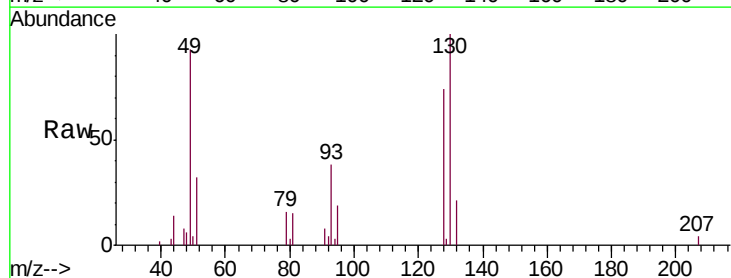
Tgt Ion: 96 Resp: 17283
 Ion Ratio Lower Upper
 96 100
 61 122.3 80.2 149.0
 68 0.0 0.0 0.0

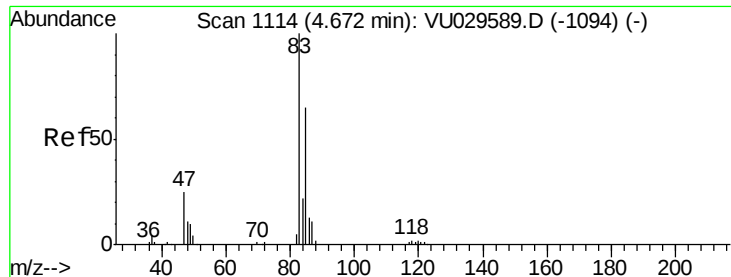


#23

Bromochloromethane
 Concen: 0.982 ug/L
 RT: 4.55 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VU029588.D
 Acq: 21 Feb 2019 11:05

Tgt Ion: 128 Resp: 7998
 Ion Ratio Lower Upper
 128 100
 49 124.9 89.6 166.4
 130 134.3 90.1 167.3
 51 43.3 31.6 47.4





#25

Chloroform

Concen: 1.007 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

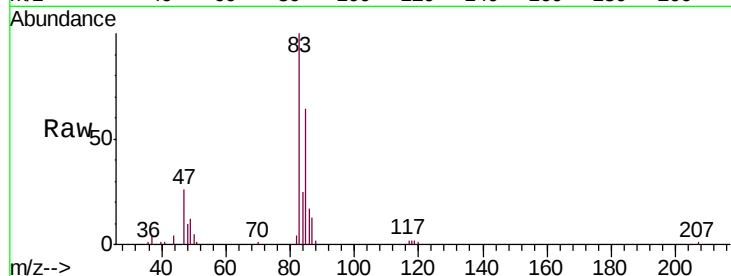
VSTD00147

Tgt Ion: 83 Resp: 30905

Ion Ratio Lower Upper

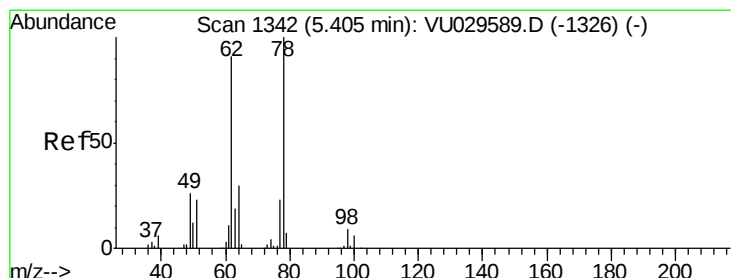
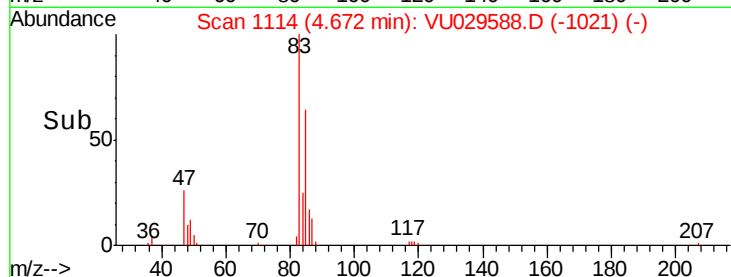
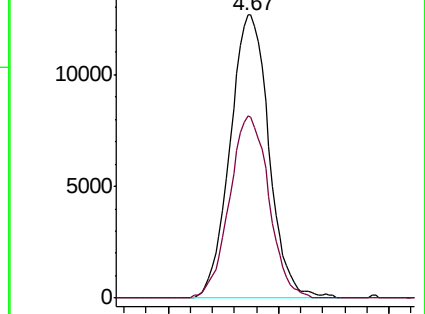
83 100

85 64.4 45.6 84.6



Abundance Ion 83.05 (82.75 to 83.75): VU029588.D (-1094) (-)

Ion 85.00 (84.70 to 85.70): VU029588.D (-1094) (-)



#27

1,2-Dichloroethane

Concen: 0.991 ug/L

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU029588.D

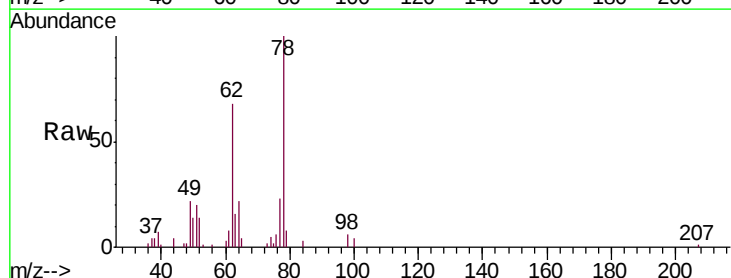
Acq: 21 Feb 2019 11:05

Tgt Ion: 62 Resp: 17978

Ion Ratio Lower Upper

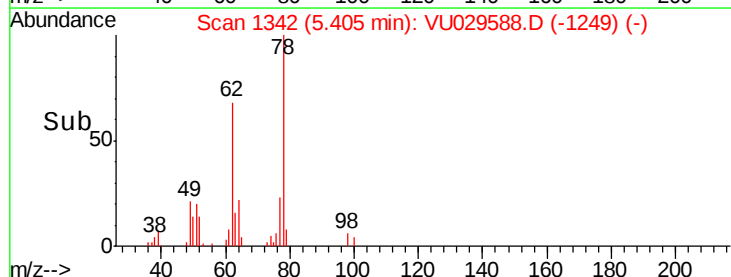
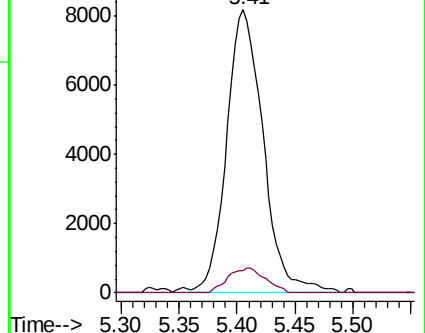
62 100

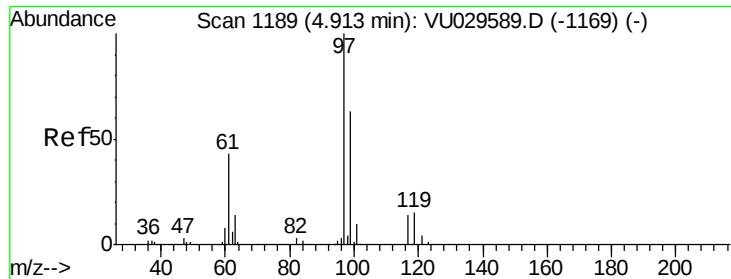
98 8.1 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VU029588.D (-1249) (-)

Ion 98.05 (97.75 to 98.75): VU029588.D (-1249) (-)

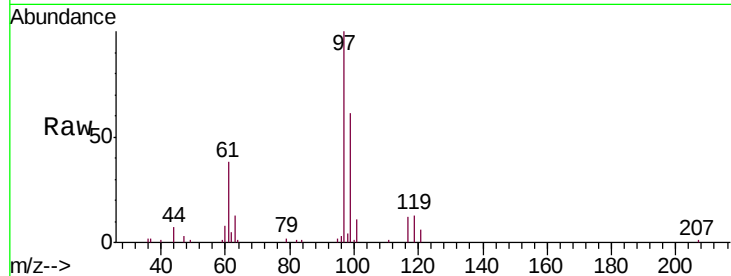




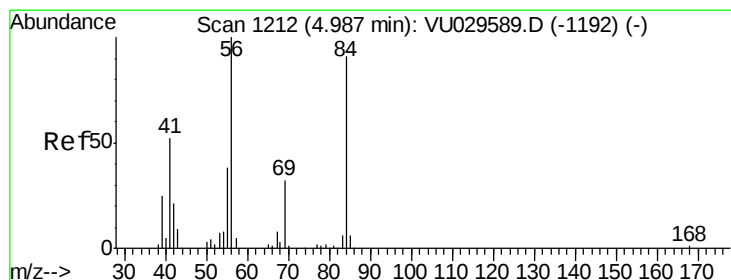
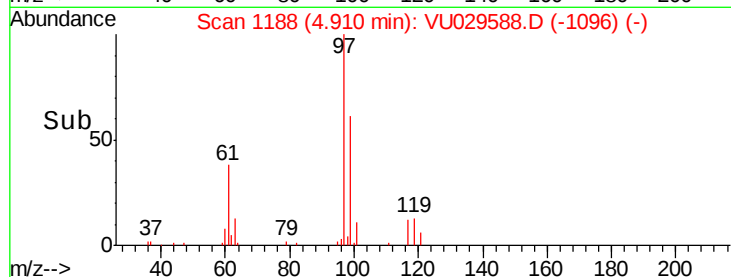
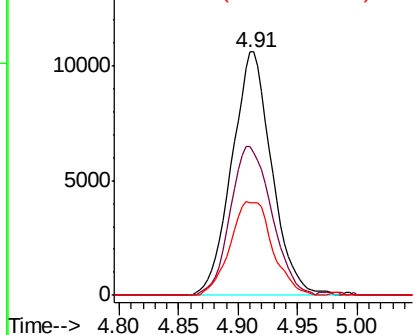
#29
 1,1,1-Trichloroethane
 Concen: 1.017 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU029588.D
 Acq: 21 Feb 2019 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00147

Tgt Ion: 97 Resp: 24662
 Ion Ratio Lower Upper
 97 100
 99 63.4 52.2 78.2
 61 40.7 33.5 50.3

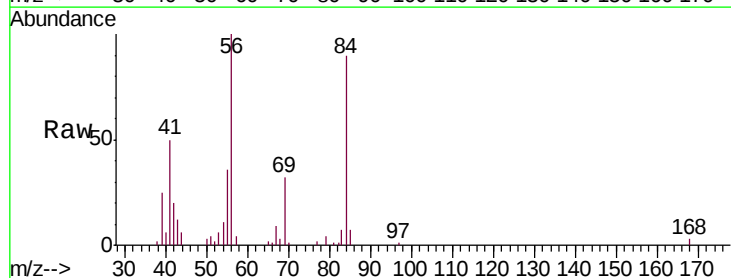


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

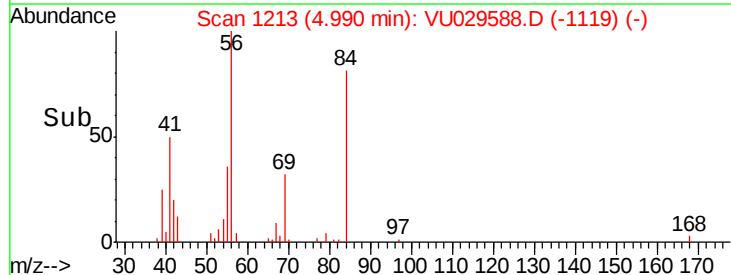
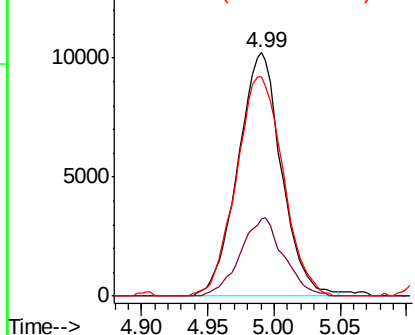


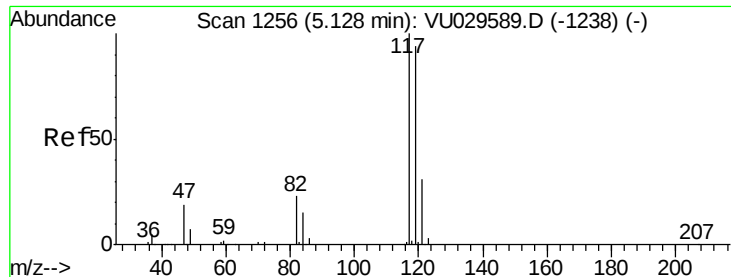
#30
 Cyclohexane
 Concen: 0.974 ug/L
 RT: 4.99 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: VU029588.D
 Acq: 21 Feb 2019 11:05

Tgt Ion: 56 Resp: 23360
 Ion Ratio Lower Upper
 56 100
 69 31.8 25.8 38.8
 84 97.0 73.5 110.3



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: 0.957 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

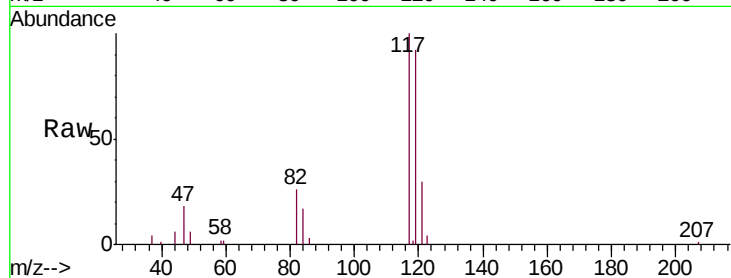
VSTD00147

Tgt Ion:117 Resp: 20188

Ion Ratio Lower Upper

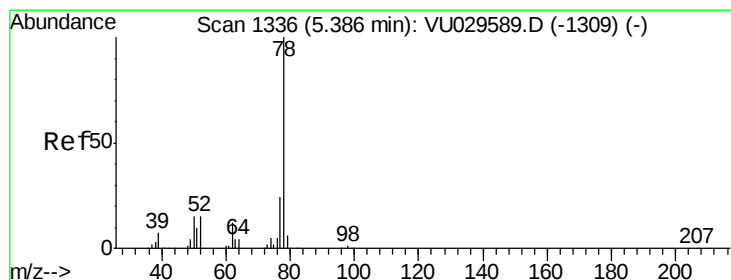
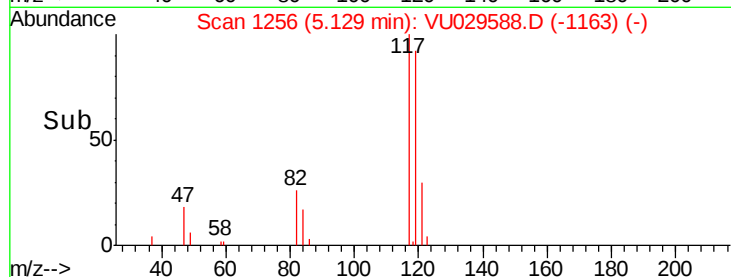
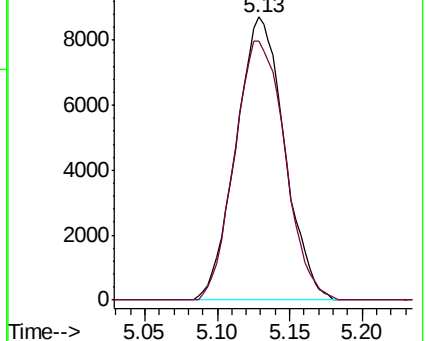
117 100

119 95.4 75.8 113.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.004 ug/L

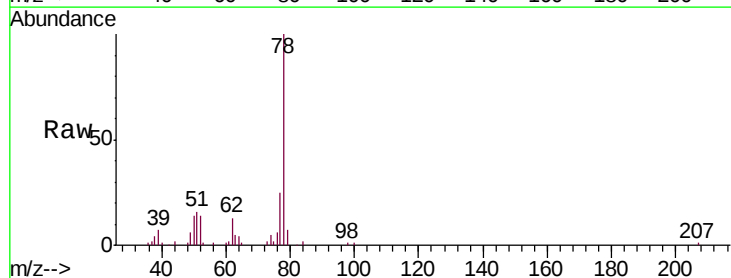
RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

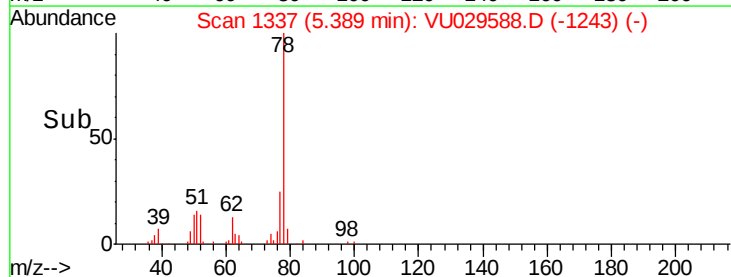
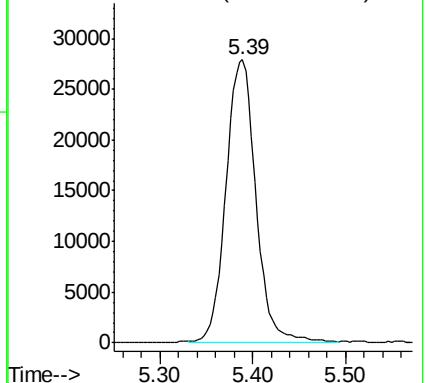
Lab File: VU029588.D

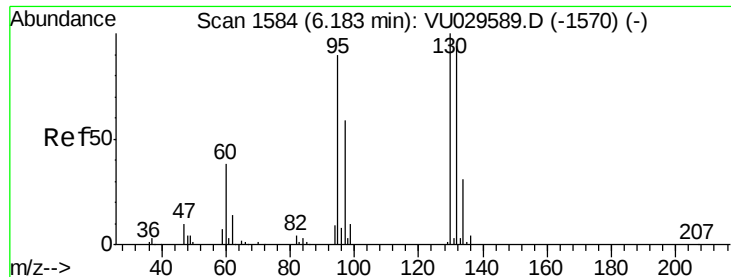
Acq: 21 Feb 2019 11:05

Tgt Ion: 78 Resp: 61889



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 1.007 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00147

Tgt Ion: 95 Resp: 17330

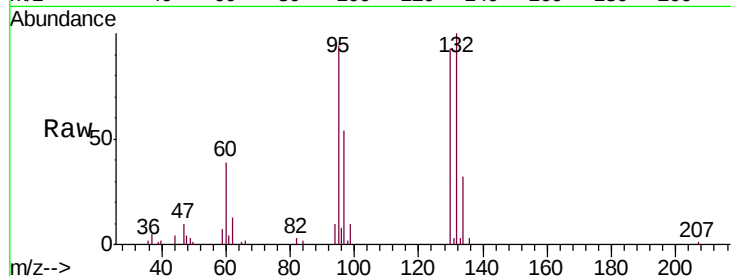
Ion Ratio Lower Upper

95 100

97 57.9 45.6 84.8

132 106.9 72.9 135.3

130 99.3 77.5 143.9

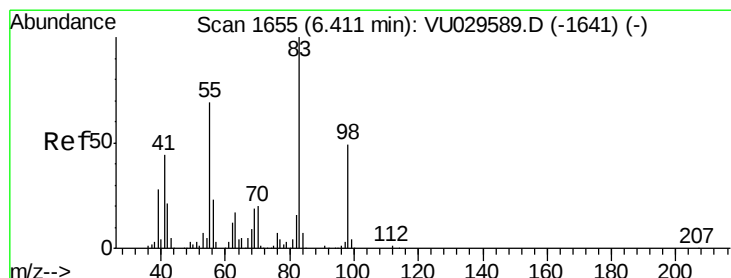
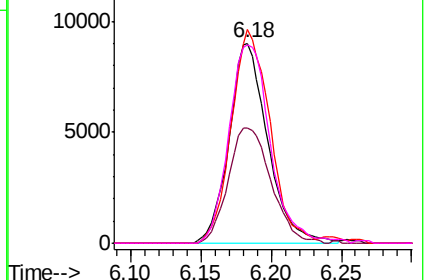
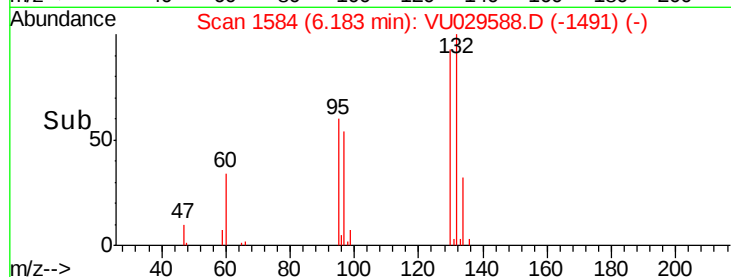


Abundance Ion 95.00 (94.70 to 95.70): VU029588.D (-1570) (-)

Ion 96.95 (96.65 to 97.65): VU029588.D (-1570) (-)

Ion 131.95 (131.65 to 132.65): VU029588.D (-1570) (-)

Ion 129.95 (129.65 to 130.65): VU029588.D (-1570) (-)



#35

Methylcyclohexane

Concen: 0.992 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

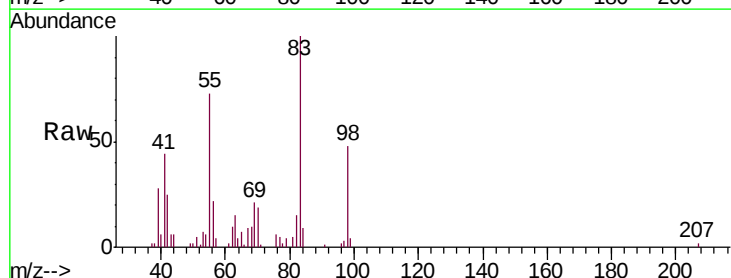
Tgt Ion: 83 Resp: 27679

Ion Ratio Lower Upper

83 100

55 69.2 56.5 84.7

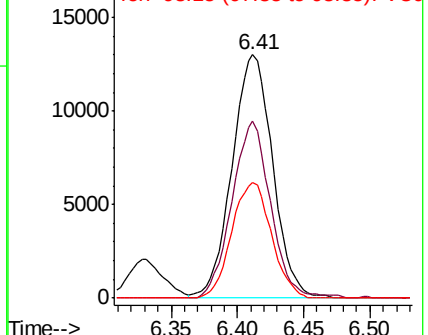
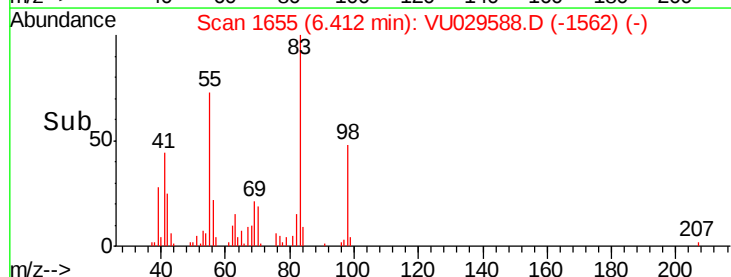
98 46.2 39.4 59.2

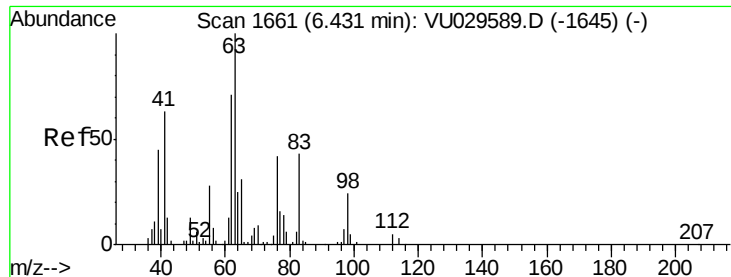


Abundance Ion 83.15 (82.85 to 83.85): VU029588.D (-1641) (-)

Ion 55.10 (54.80 to 55.80): VU029588.D (-1641) (-)

Ion 98.15 (97.85 to 98.85): VU029588.D (-1641) (-)





#37

1,2-Dichloropropane

Concen: 0.966 ug/L

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

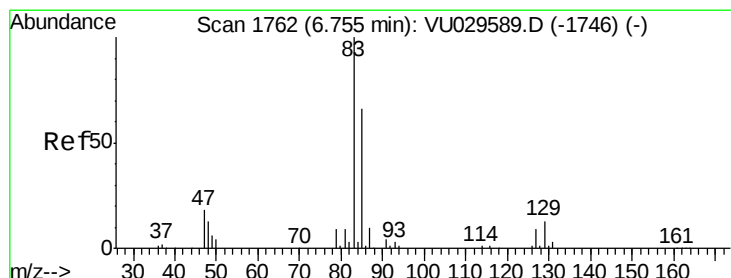
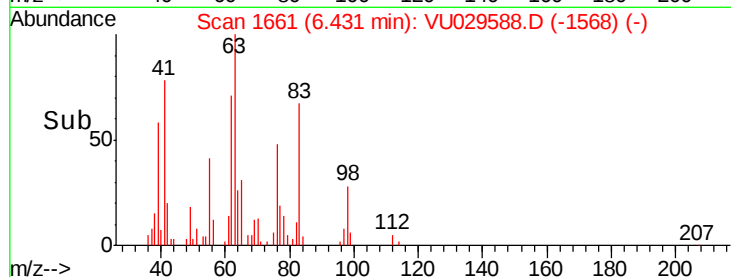
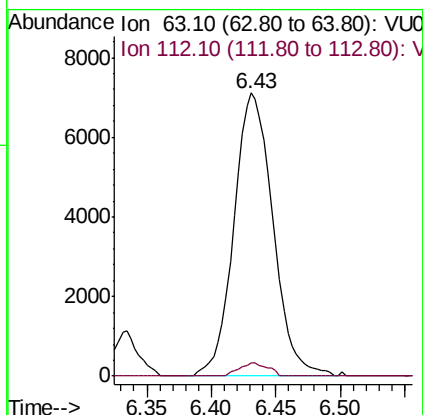
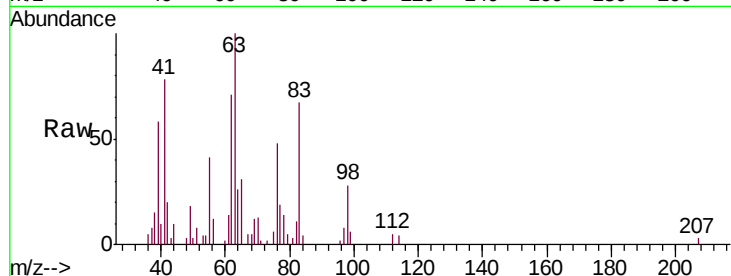
VSTD00147

Tgt Ion: 63 Resp: 14993

Ion Ratio Lower Upper

63 100

112 3.4 3.6 5.4#



#38

Bromodichloromethane

Concen: 0.980 ug/L

RT: 6.76 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

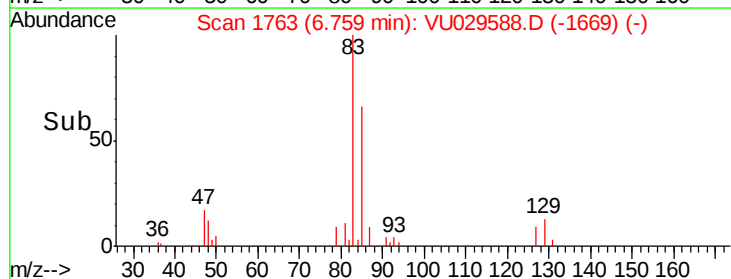
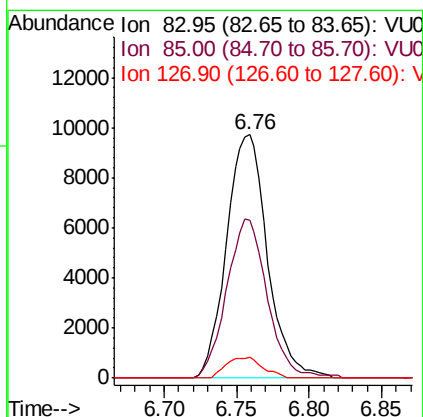
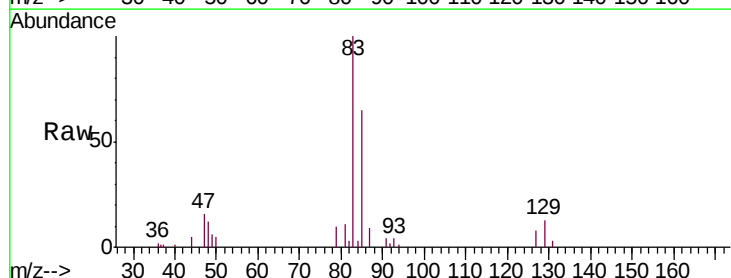
Tgt Ion: 83 Resp: 18990

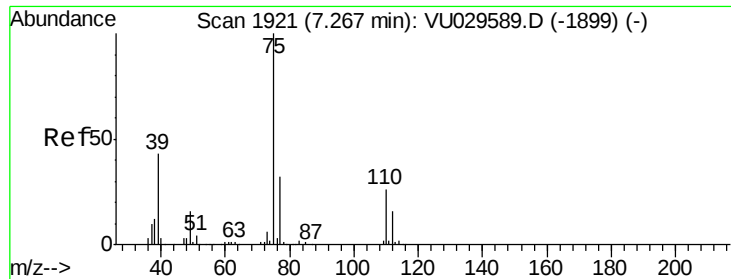
Ion Ratio Lower Upper

83 100

85 65.0 46.1 85.5

127 8.4 7.5 11.3

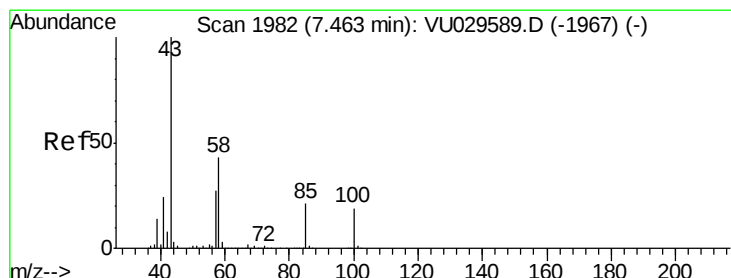
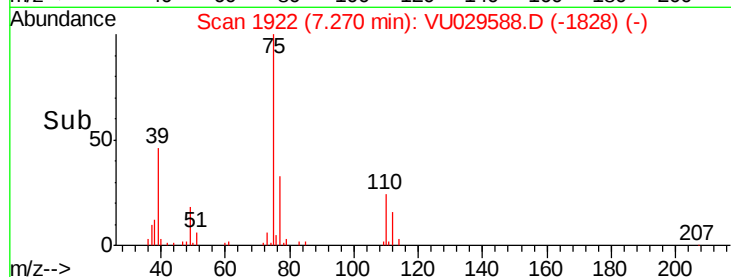
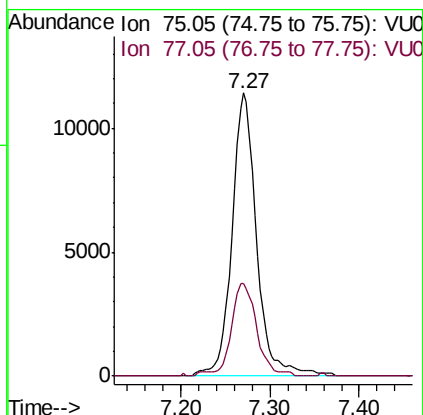
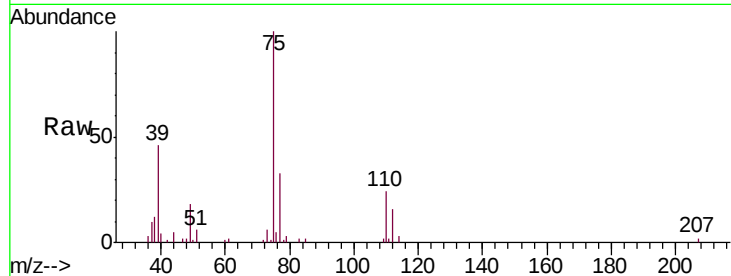




#39
 cis-1,3-Dichloropropene
 Concen: 0.961 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU029588.D
 Acq: 21 Feb 2019 11:05

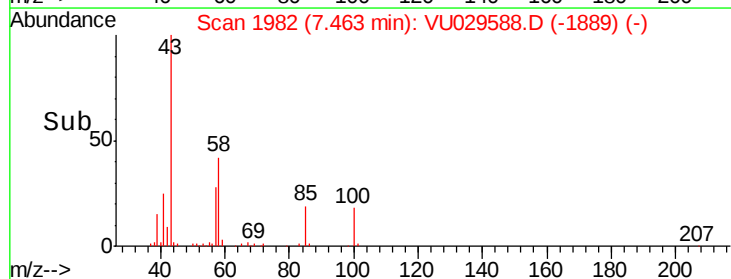
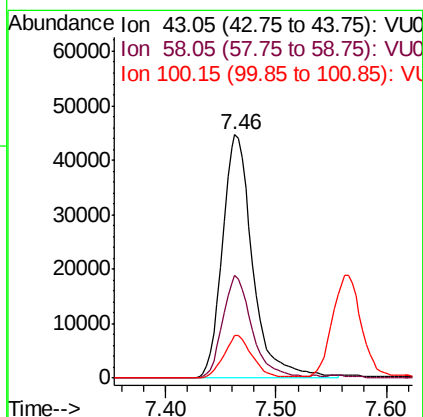
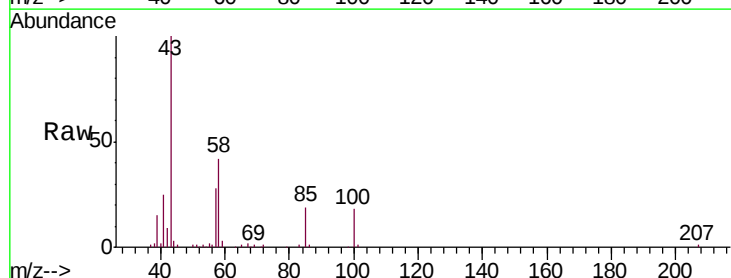
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00147

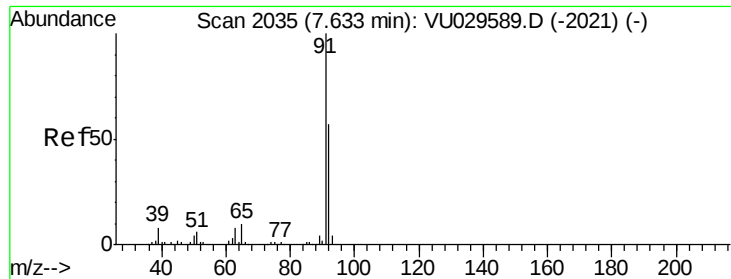
Tgt Ion: 75 Resp: 21842
 Ion Ratio Lower Upper
 75 100
 77 32.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 9.777 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU029588.D
 Acq: 21 Feb 2019 11:05

Tgt Ion: 43 Resp: 85325
 Ion Ratio Lower Upper
 43 100
 58 40.6 33.8 50.8
 100 16.8 14.2 21.2





#42

Toluene

Concen: 0.969 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

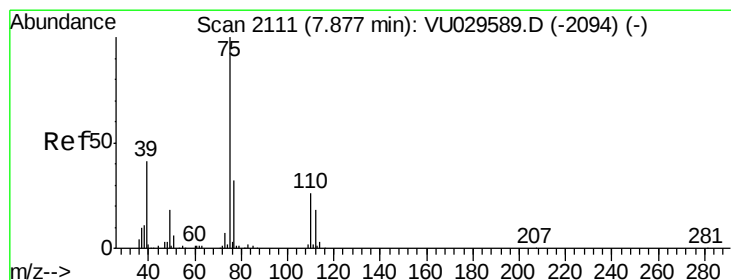
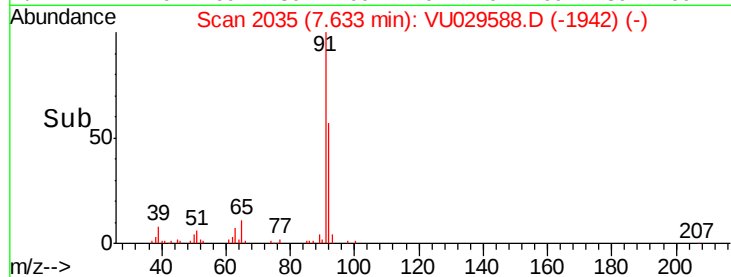
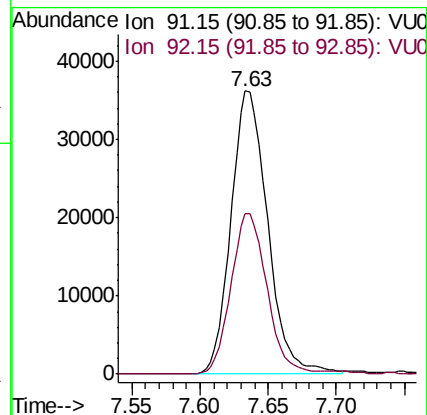
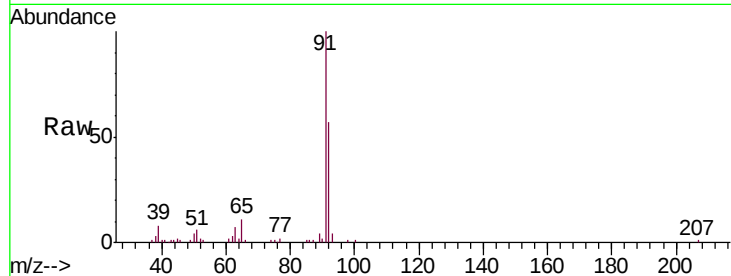
VSTD00147

Tgt Ion: 91 Resp: 67727

Ion Ratio Lower Upper

91 100

92 56.7 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 0.913 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029588.D

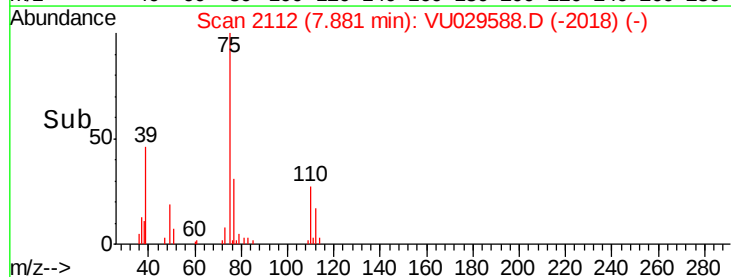
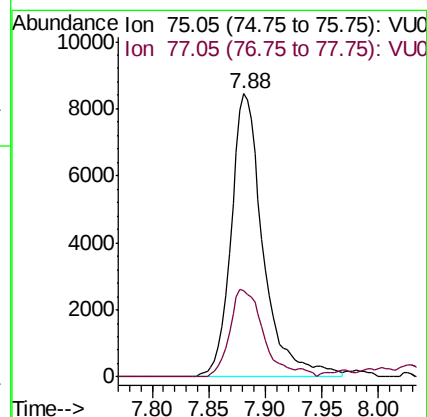
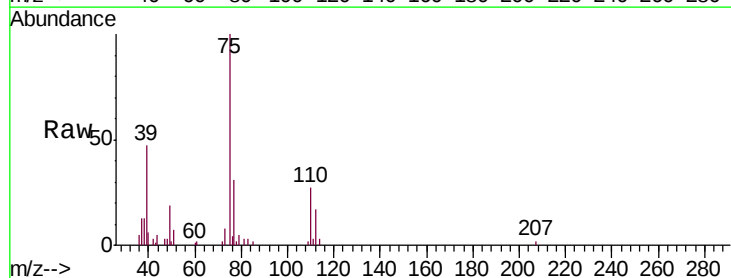
Acq: 21 Feb 2019 11:05

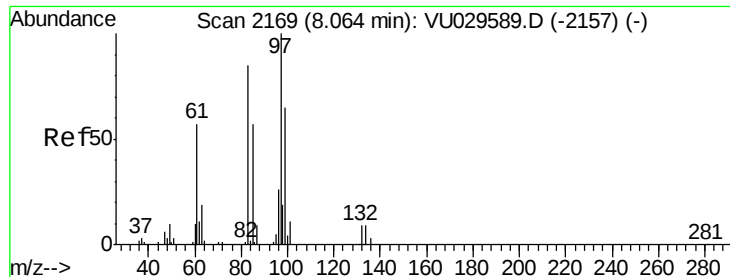
Tgt Ion: 75 Resp: 16650

Ion Ratio Lower Upper

75 100

77 30.7 22.2 41.2

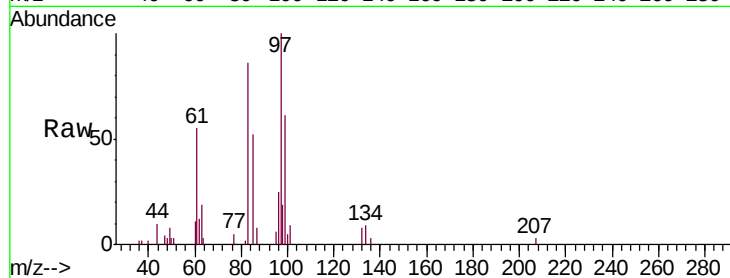




#45
 1,1,2-Trichloroethane
 Concen: 1.032 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU029588.D
 Acq: 21 Feb 2019 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00147

Tgt Ion:	97	Resp:	12544
Ion	Ratio	Lower	Upper
97	100		
99	61.3	45.3	84.1
83	86.1	59.6	110.6
85	51.7	39.8	74.0



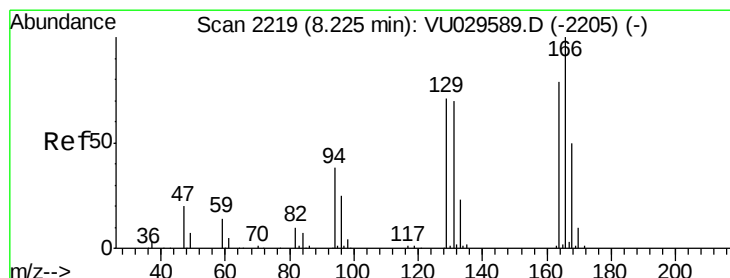
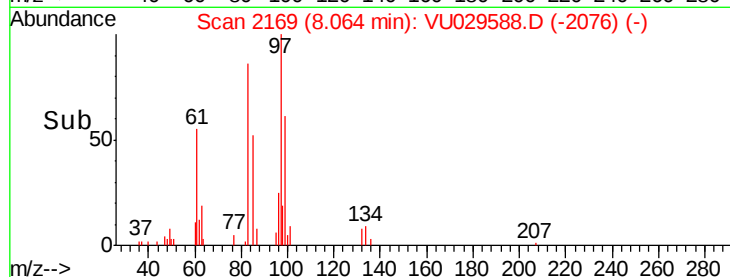
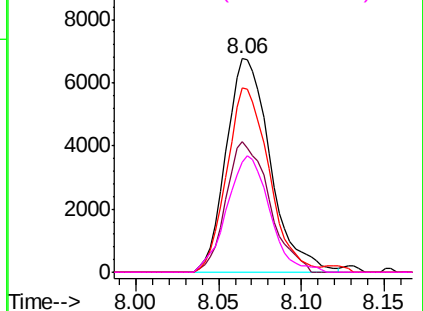
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

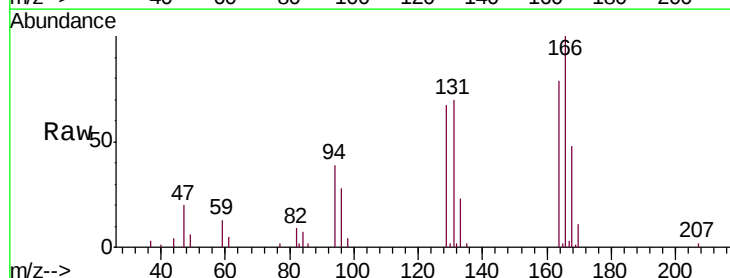
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 0.997 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU029588.D
 Acq: 21 Feb 2019 11:05

Tgt Ion:	164	Resp:	15928
Ion	Ratio	Lower	Upper
164	100		
129	85.0	62.9	116.7
131	88.3	61.8	114.8
166	126.1	88.8	164.8



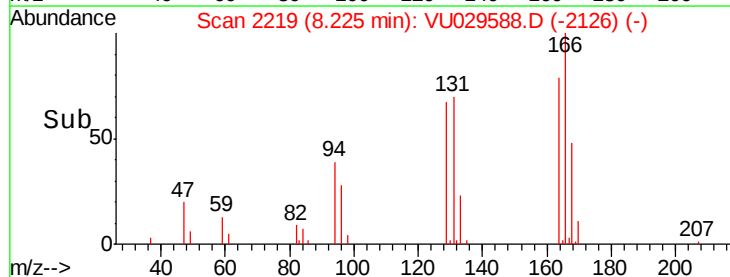
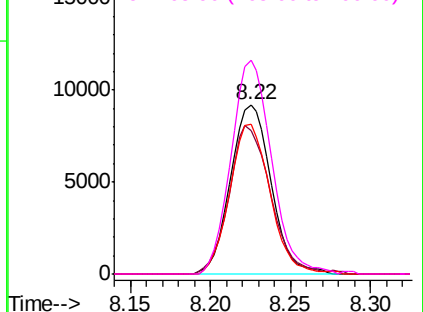
Abundance

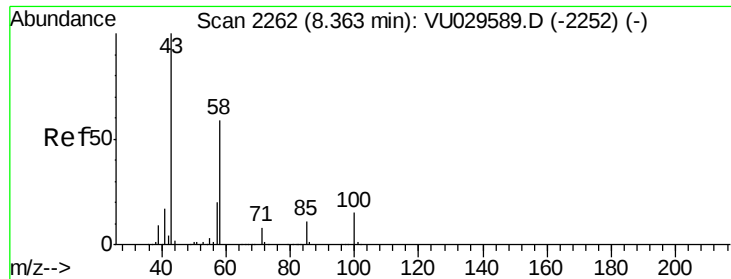
Ion 163.90 (163.60 to 164.60): V

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

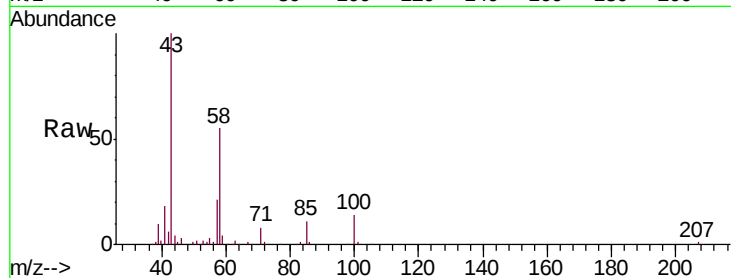




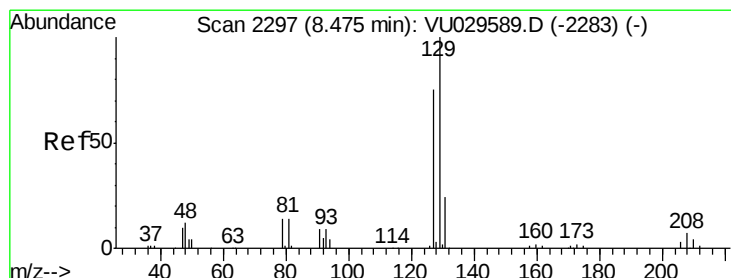
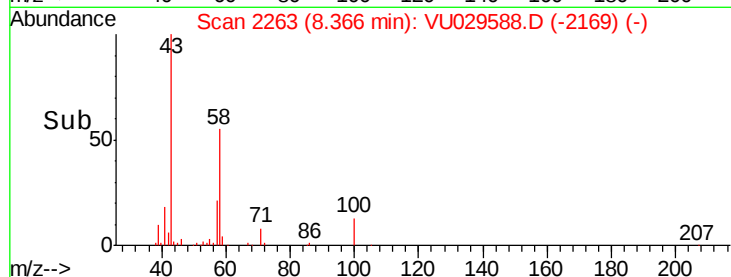
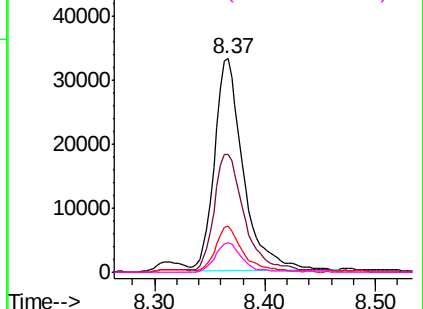
#48
2-Hexanone
Concen: 9.398 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU029588.D
Acq: 21 Feb 2019 11:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD00147

Tgt Ion:	43	Resp:	59981
Ion	Ratio	Lower	Upper
43	100		
58	56.7	46.6	69.8
57	21.0	15.9	23.9
100	13.4	11.4	17.2

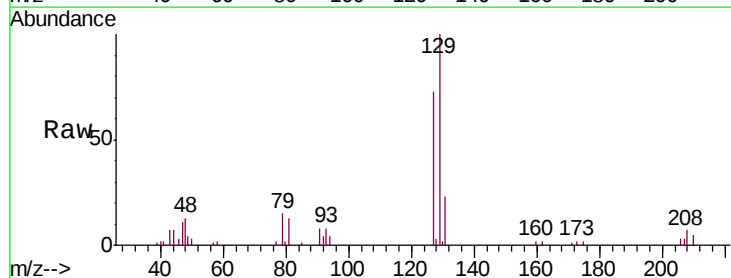


Abundance Ion 43.05 (42.75 to 43.75): VU029588.D (-2169) (-)

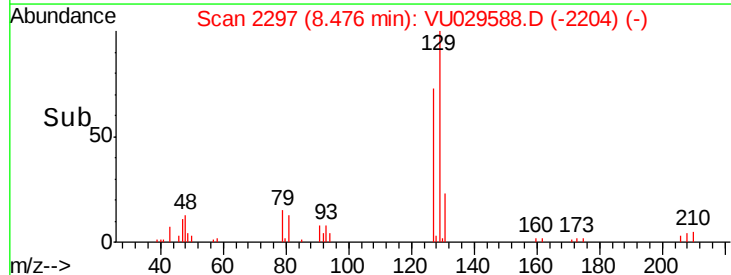
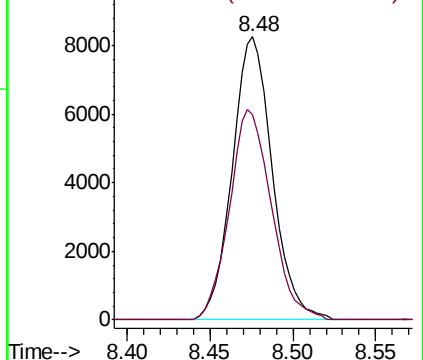


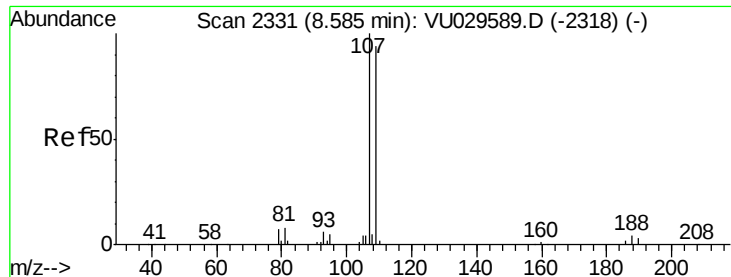
#49
Dibromochloromethane
Concen: 0.943 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU029588.D
Acq: 21 Feb 2019 11:05

Tgt Ion:	129	Resp:	13886
Ion	Ratio	Lower	Upper
129	100		
127	72.6	52.5	97.5



Abundance Ion 128.95 (128.65 to 129.65): VU029588.D (-2204) (-)





#50

1,2-Dibromoethane

Concen: 1.011 ug/L

RT: 8.59 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00147

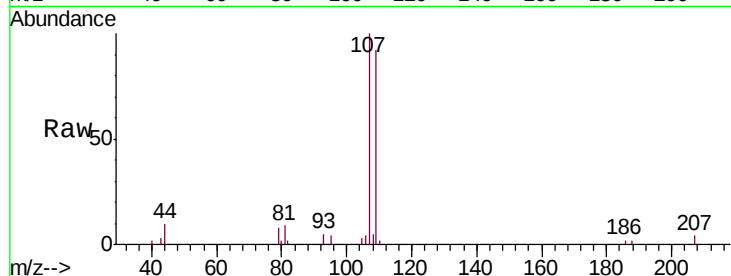
Tgt Ion:107 Resp: 12036

Ion Ratio Lower Upper

107 100

109 92.3 65.8 122.2

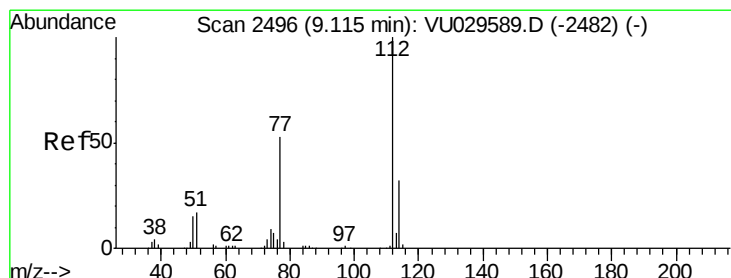
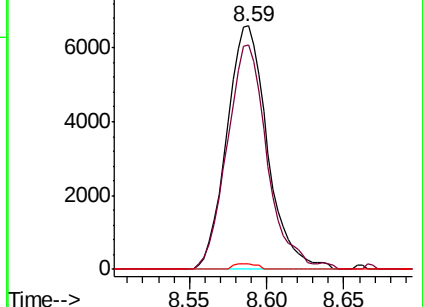
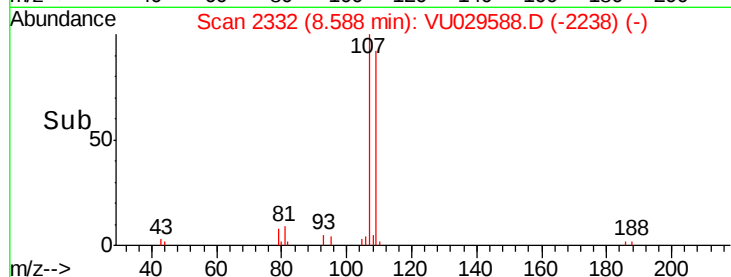
188 2.2 3.3 4.9#



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: 0.992 ug/L

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

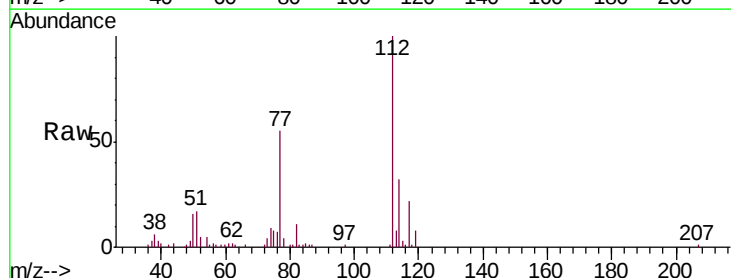
Tgt Ion:112 Resp: 47638

Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.3

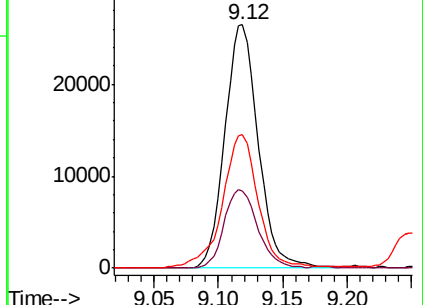
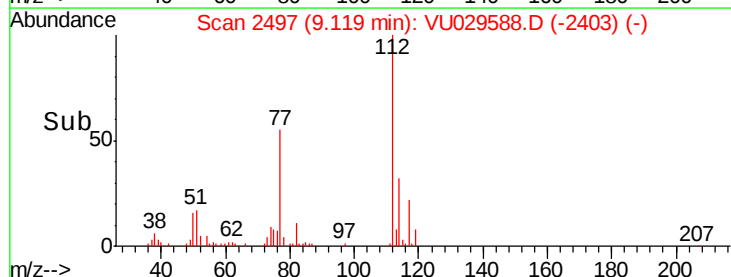
77 55.0 42.7 64.1

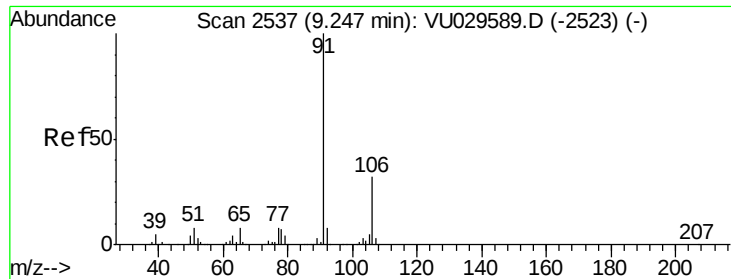


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0





#52

Ethylbenzene

Concen: 0.956 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

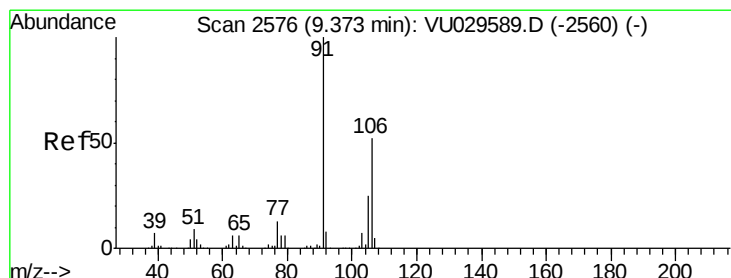
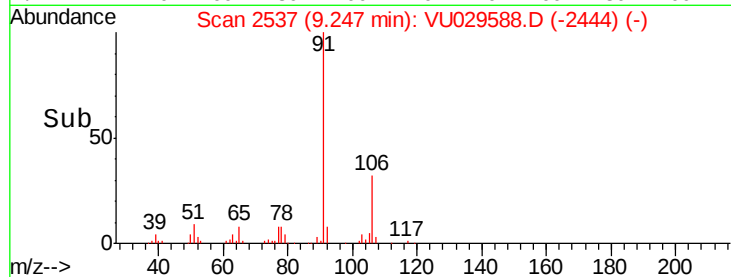
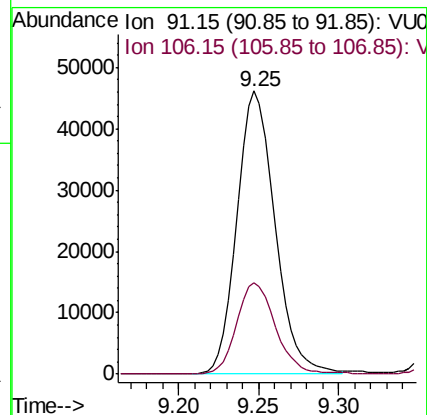
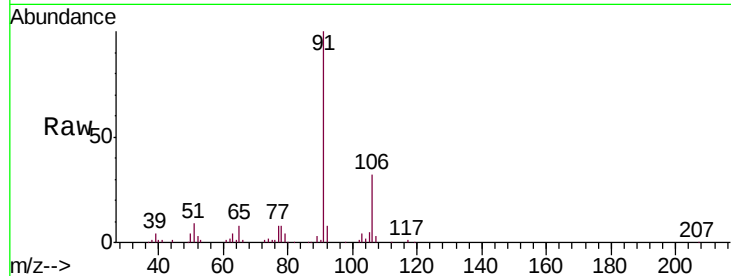
VSTD00147

Tgt Ion: 91 Resp: 74777

Ion Ratio Lower Upper

91 100

106 32.5 22.1 41.1



#53

m,p-xylene

Concen: 0.939 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029588.D

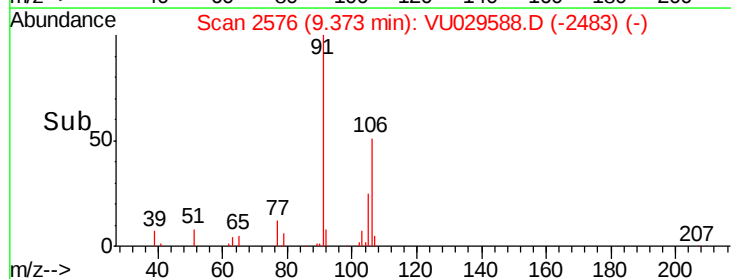
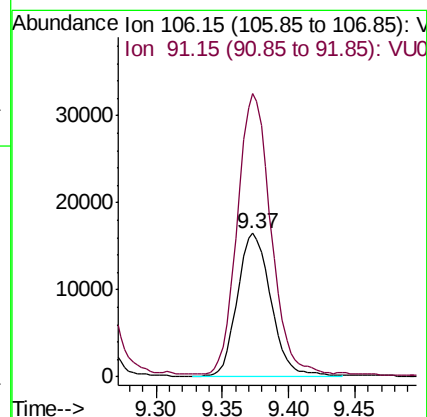
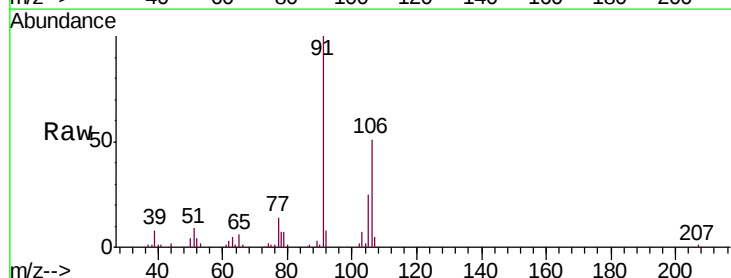
Acq: 21 Feb 2019 11:05

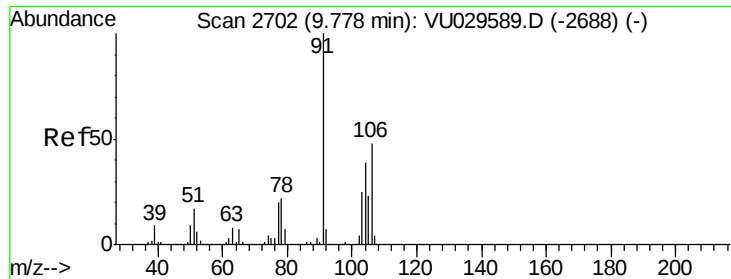
Tgt Ion: 106 Resp: 29437

Ion Ratio Lower Upper

106 100

91 197.1 136.0 252.6

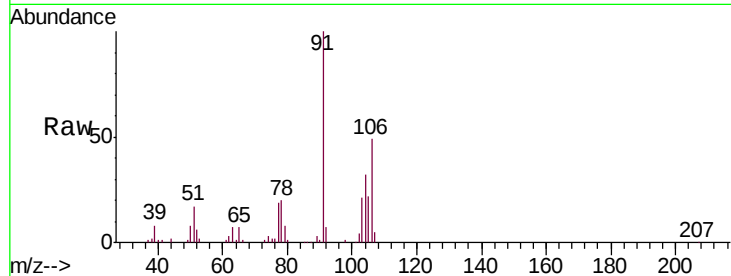




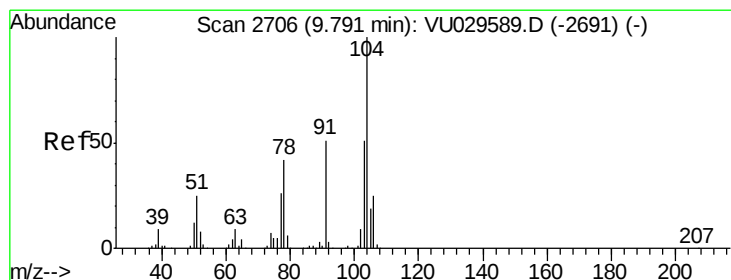
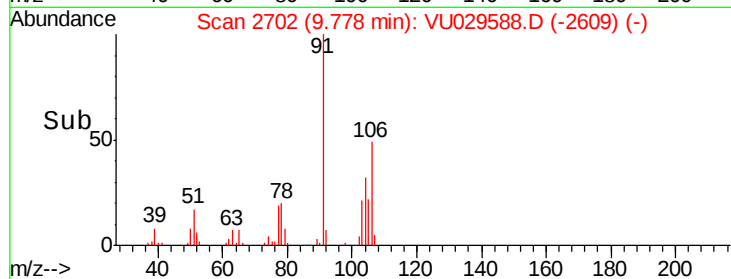
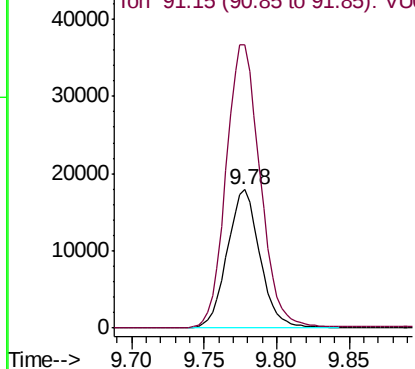
#54
o-xylene
Concen: 0.935 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU029588.D
Acq: 21 Feb 2019 11:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD00147

Tgt Ion:106 Resp: 28234
Ion Ratio Lower Upper
106 100
91 204.3 145.7 270.5

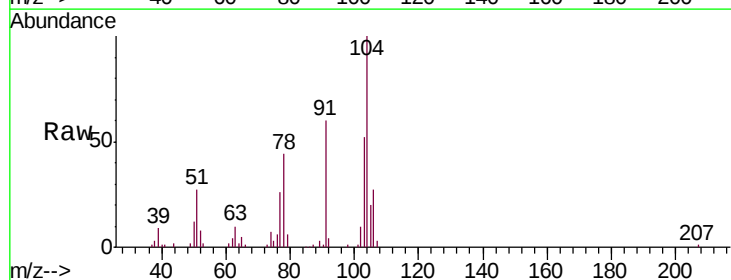


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

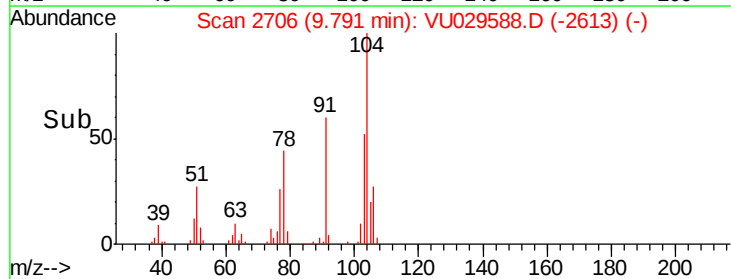
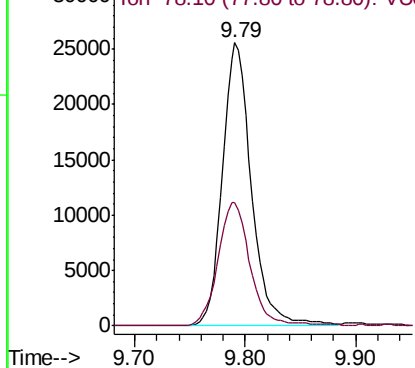


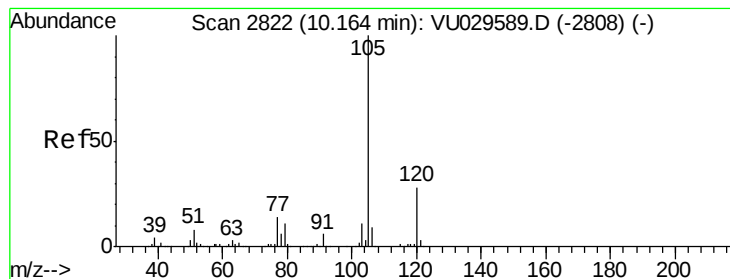
#55
Styrene
Concen: 0.925 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU029588.D
Acq: 21 Feb 2019 11:05

Tgt Ion:104 Resp: 46635
Ion Ratio Lower Upper
104 100
78 43.5 29.2 54.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.954 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00147

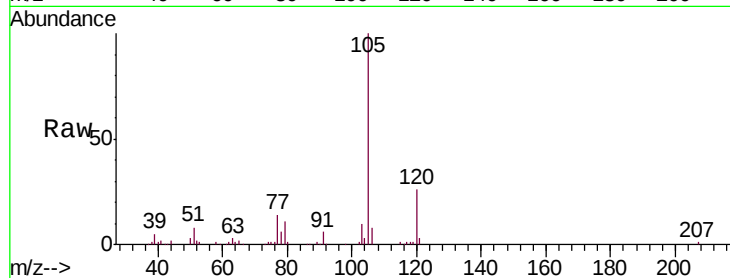
Tgt Ion: 105 Resp: 77238

Ion Ratio Lower Upper

105 100

120 26.5 21.8 32.6

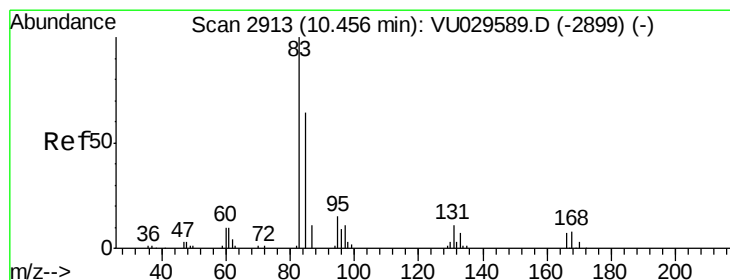
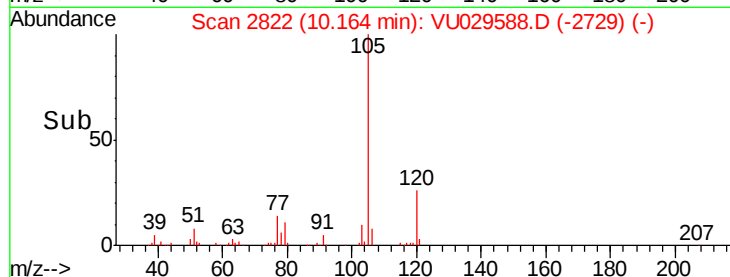
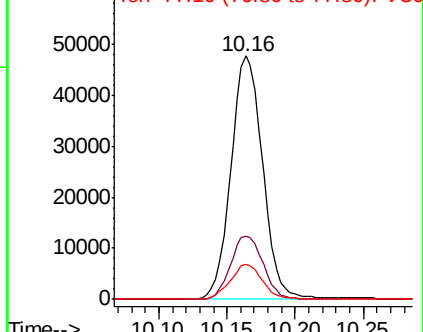
77 14.7 11.5 17.3



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: 0.966 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

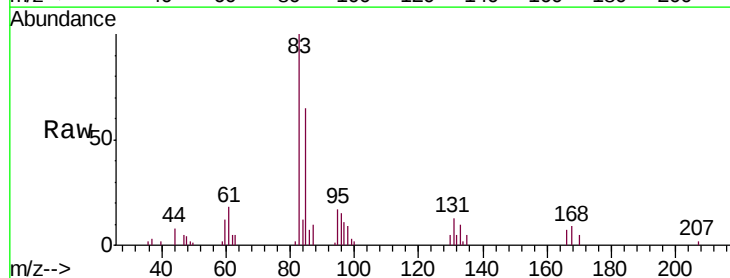
Tgt Ion: 83 Resp: 14475

Ion Ratio Lower Upper

83 100

85 64.8 44.9 83.3

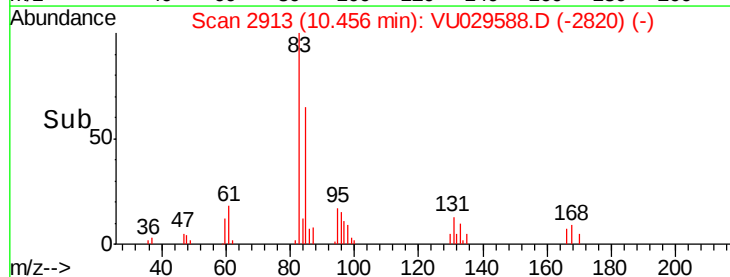
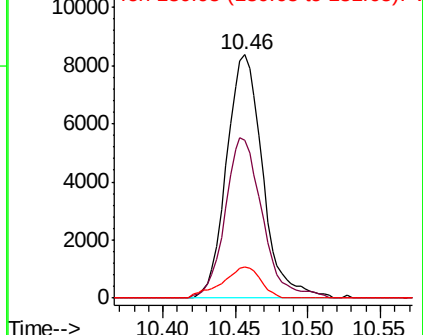
131 12.8 8.9 13.3

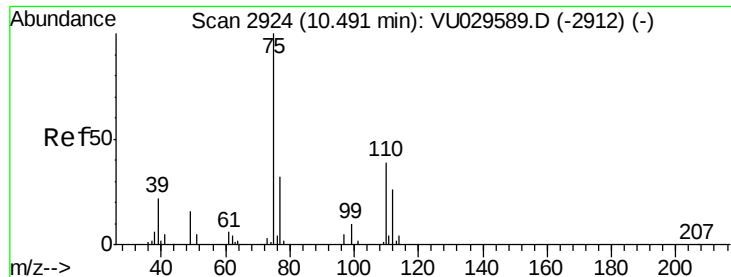


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

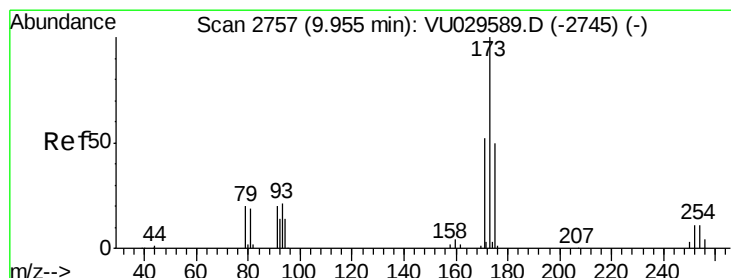
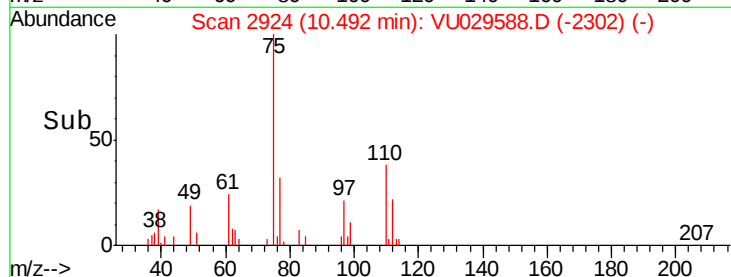
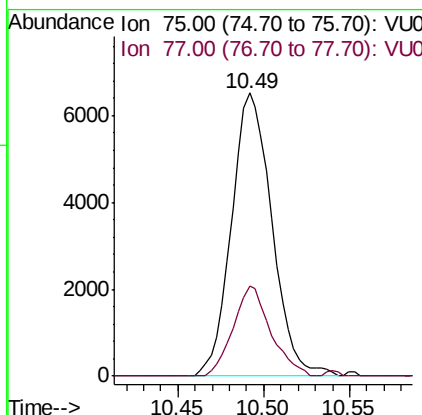
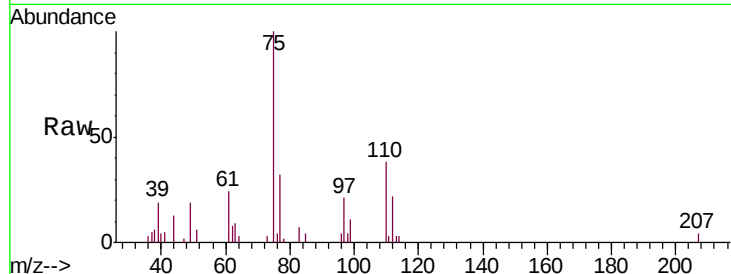




#59
 1,2,3-Trichloropropane
 Concen: 1.028 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU029588.D
 Acq: 21 Feb 2019 11:05

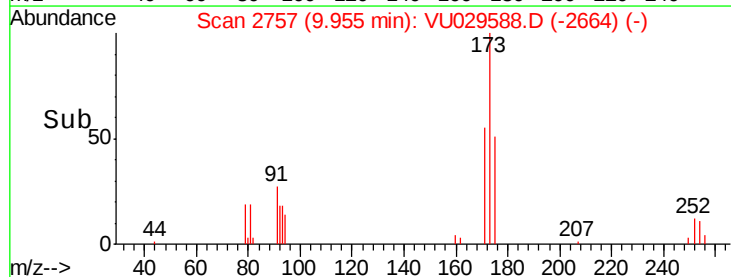
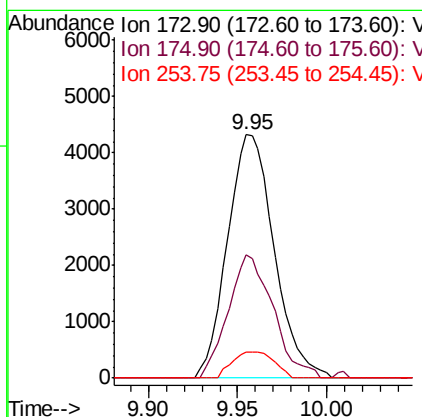
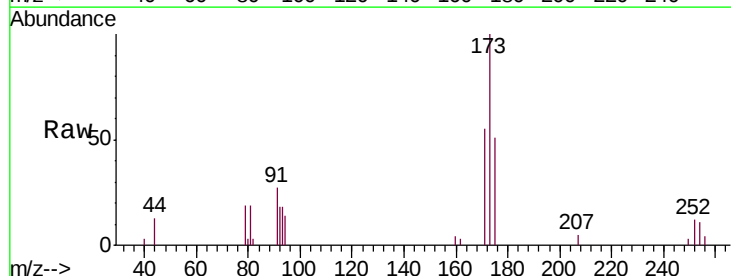
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00147

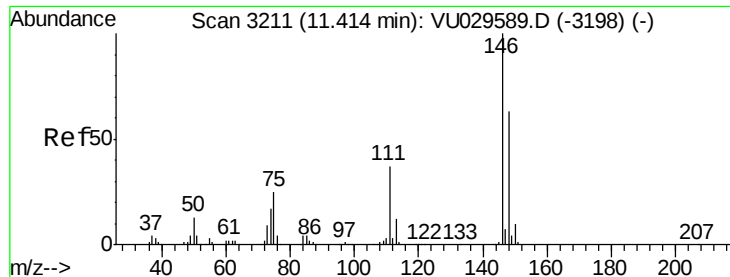
Tgt Ion: 75 Resp: 10664
 Ion Ratio Lower Upper
 75 100
 77 29.5 25.6 38.4



#61
 Bromoform
 Concen: 0.963 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU029588.D
 Acq: 21 Feb 2019 11:05

Tgt Ion: 173 Resp: 7871
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.0 58.6
 254 9.6 8.2 12.4





#62

1,3-Dichlorobenzene

Concen: 0.980 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00147

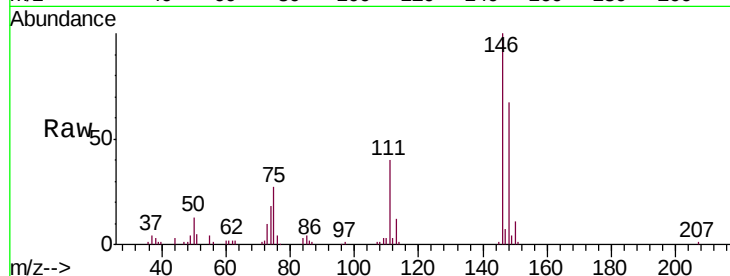
Tgt Ion:146 Resp: 38364

Ion Ratio Lower Upper

146 100

111 40.4 25.7 47.7

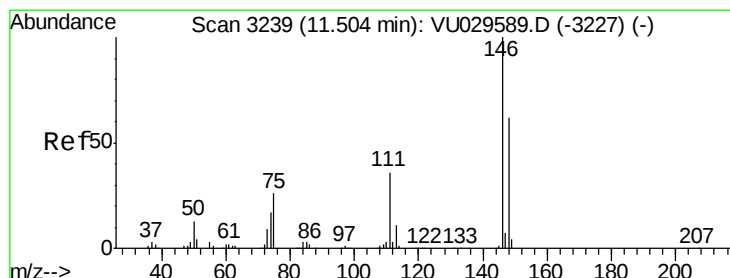
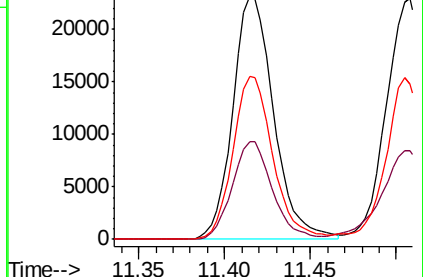
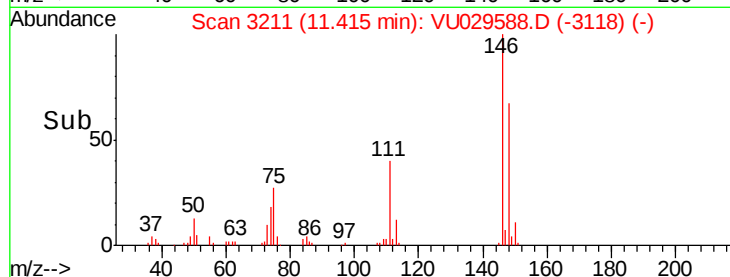
148 67.2 44.0 81.8



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: 0.984 ug/L

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

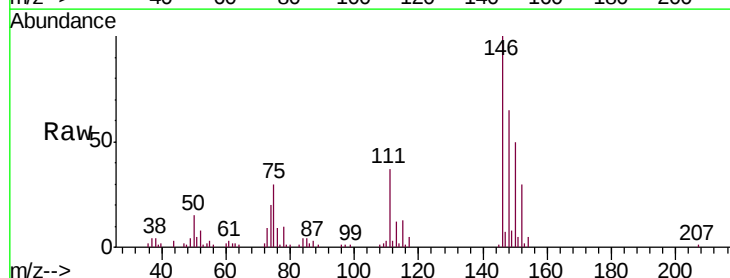
Tgt Ion:146 Resp: 39057

Ion Ratio Lower Upper

146 100

111 37.1 25.4 47.2

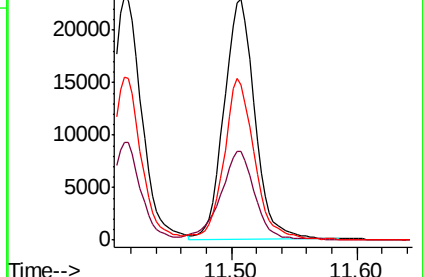
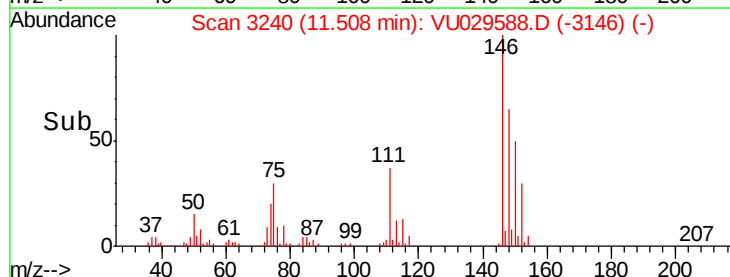
148 64.7 43.7 81.1

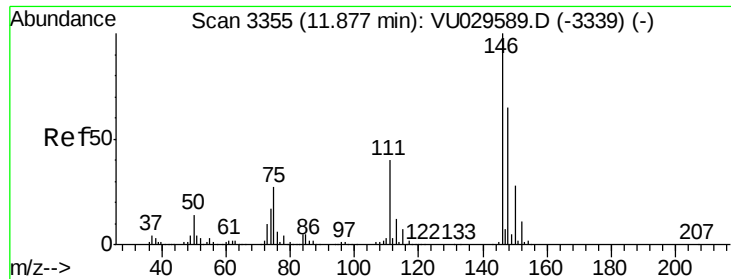


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

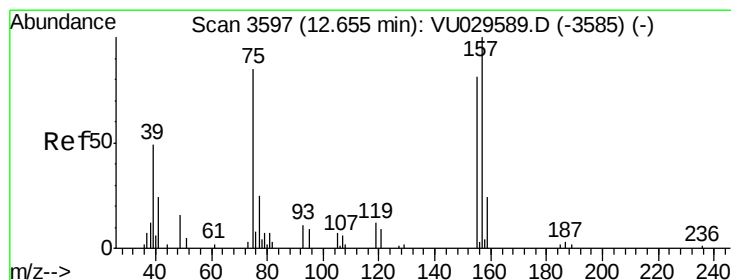
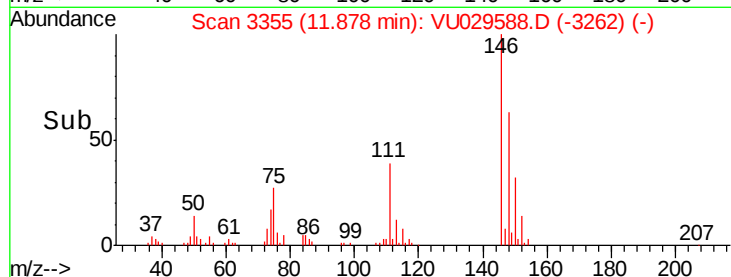
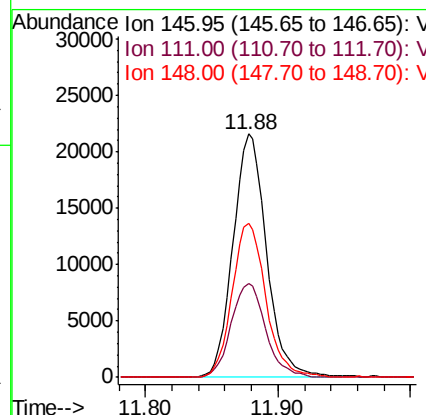
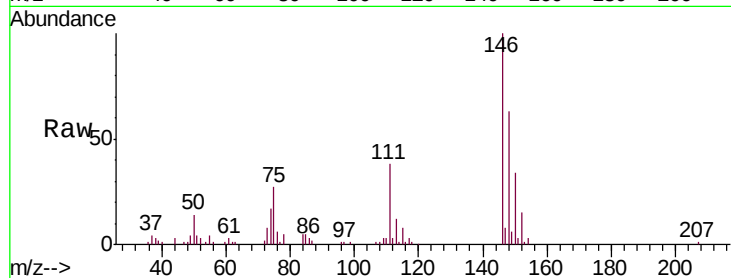




#65
 1,2-Dichlorobenzene
 Concen: 1.004 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029588.D
 Acq: 21 Feb 2019 11:05

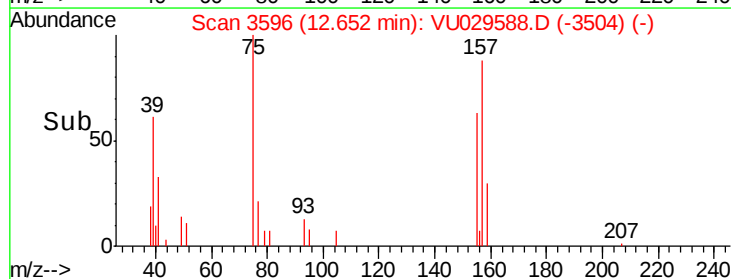
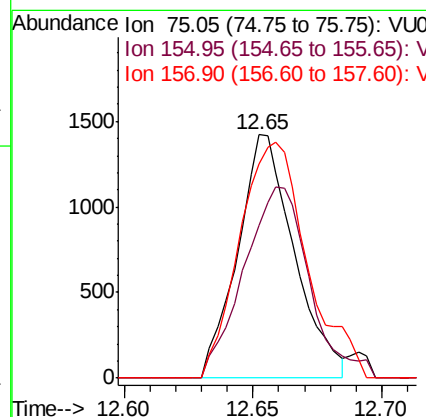
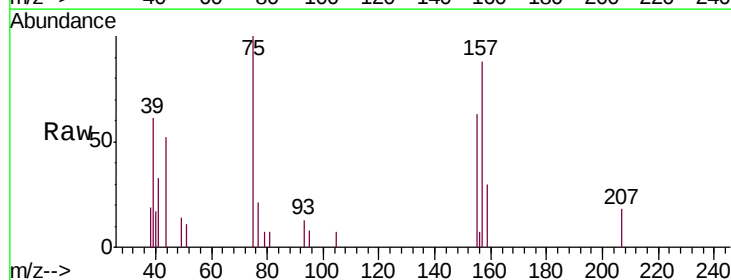
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00147

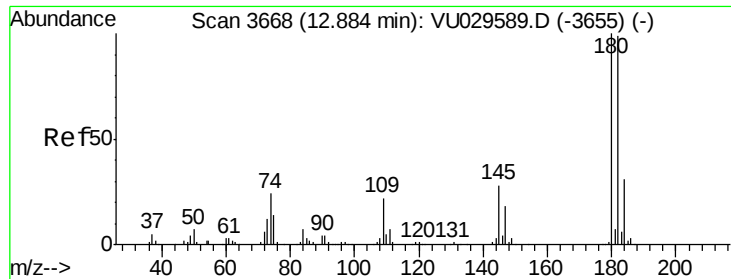
Tgt Ion: 146 Resp: 37959
 Ion Ratio Lower Upper
 146 100
 111 38.5 32.2 48.2
 148 63.4 52.2 78.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.976 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU029588.D
 Acq: 21 Feb 2019 11:05

Tgt Ion: 75 Resp: 2168
 Ion Ratio Lower Upper
 75 100
 155 62.8 75.5 113.3#
 157 88.0 93.8 140.6#

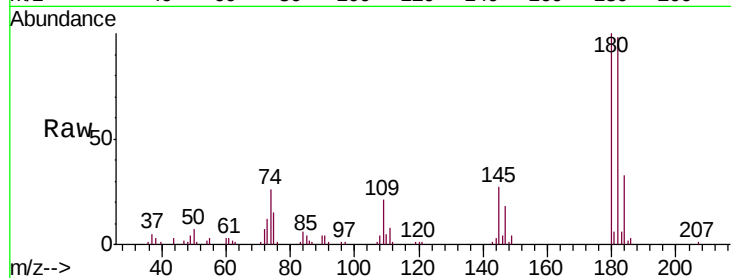




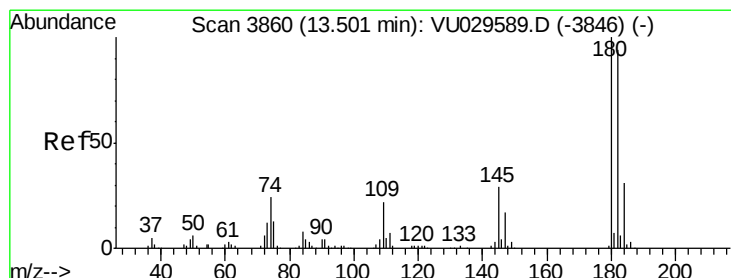
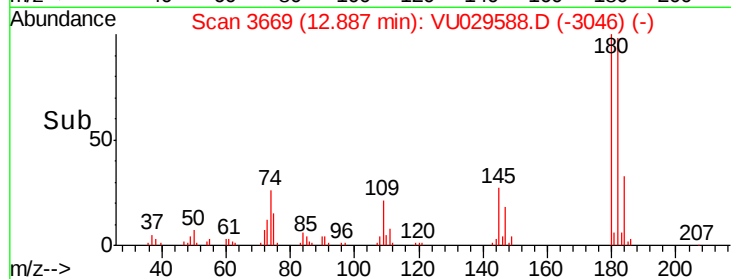
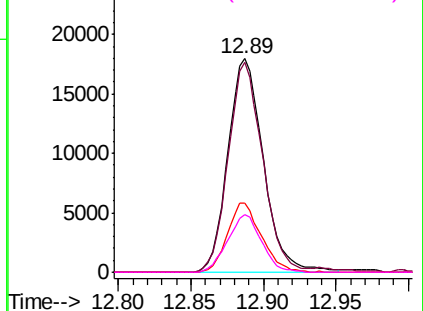
#67
 1,3,5-Trichlorobenzene
 Concen: 0.969 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.00 min
 Lab File: VU029588.D
 Acq: 21 Feb 2019 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00147

Tgt Ion:180 Resp: 30538
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.0 115.6
 184 30.9 25.0 37.4
 145 25.6 22.4 33.6

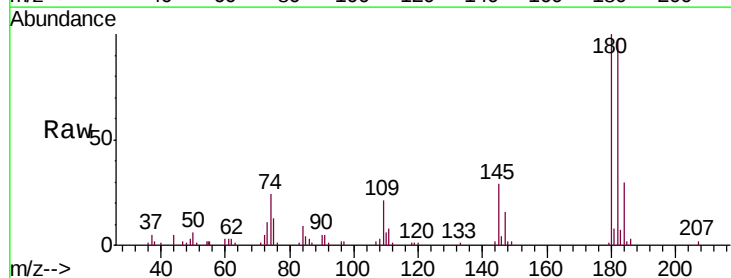


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

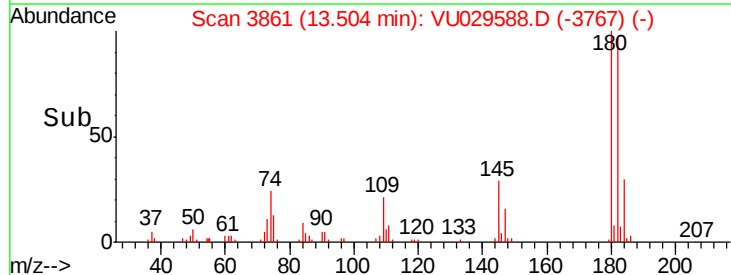
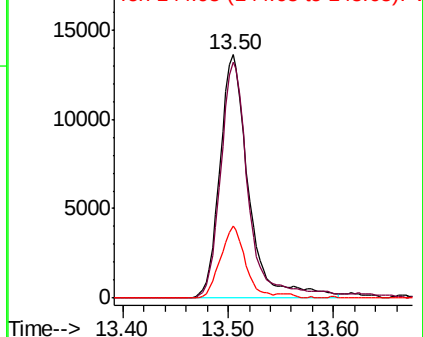


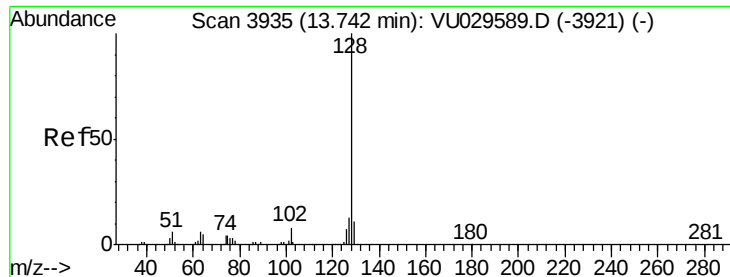
#68
 1,2,4-trichlorobenzene
 Concen: 0.965 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.00 min
 Lab File: VU029588.D
 Acq: 21 Feb 2019 11:05

Tgt Ion:180 Resp: 25712
 Ion Ratio Lower Upper
 180 100
 182 92.1 75.7 113.5
 145 25.5 22.4 33.6



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





#69

Naphthalene

Concen: 0.883 ug/L

RT: 13.75 min Scan# 3936

Delta R.T. 0.00 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00147

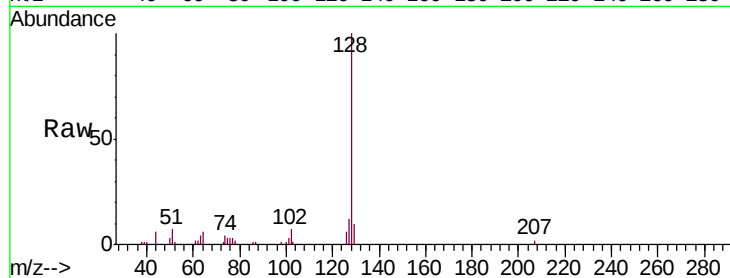
Tgt Ion:128 Resp: 36367

Ion Ratio Lower Upper

128 100

129 10.2 8.7 13.1

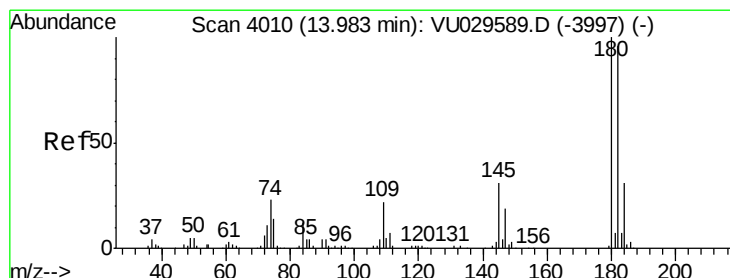
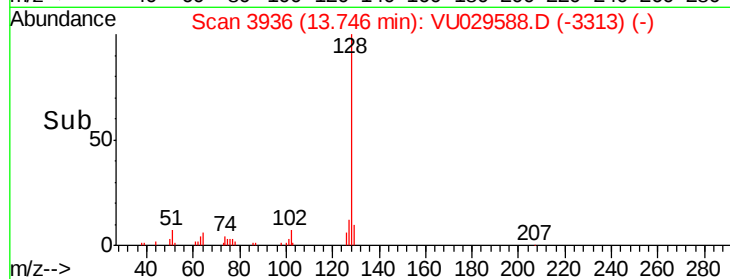
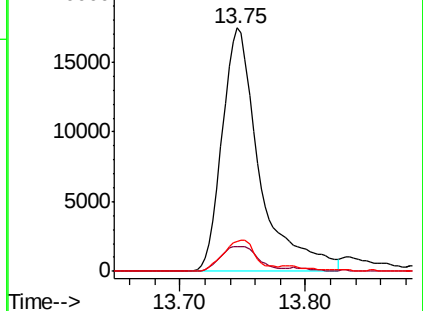
127 11.1 10.0 15.0



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: 0.956 ug/L

RT: 13.99 min Scan# 4012

Delta R.T. 0.01 min

Lab File: VU029588.D

Acq: 21 Feb 2019 11:05

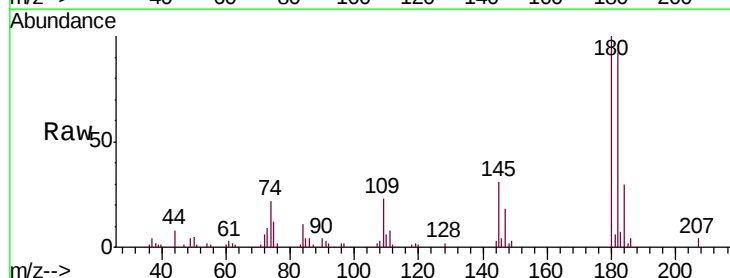
Tgt Ion:180 Resp: 23838

Ion Ratio Lower Upper

180 100

182 94.1 77.0 115.4

145 31.7 24.2 36.2



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

