

Data File : VU029389.D
Acq On : 11 Feb 2019 10:56
Operator : JC/SP
Sample : VSTD00145
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00145

Quant Time: Feb 12 01:00:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 12 00:57:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	225417	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	210150	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	115114	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	15749	0.76	ug/L	0.00
7) Chloroethane-d5	1.68	69	12694	0.83	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	31864	0.86	ug/L	0.00
20) 2-Butanone-d5	4.20	46	28329	6.88	ug/L	0.00
24) Chloroform-d	4.65	84	23684	0.71	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	12504	0.69	ug/L	0.00
32) Benzene-d6	5.34	84	49240	0.85	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	14821	0.85	ug/L	0.00
41) Toluene-d8	7.56	98	48178	0.88	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	6460	0.83	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	28191	7.97	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	12659	0.83	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	20137	0.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	18291	0.637 ug/L	99
3) Chloromethane	1.32	50	17296	0.676 ug/L	100
5) Vinyl chloride	1.40	62	18327	0.700 ug/L	94
6) Bromomethane	1.63	94	12496	0.860 ug/L	100
8) Chloroethane	1.70	64	12436	0.840 ug/L	99
9) Trichlorofluoromethane	1.88	101	28600	0.809 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	17019	0.924 ug/L	99
12) 1,1-Dichloroethene	2.28	96	16327	0.960 ug/L	88
13) Acetone	2.33	43	24313	7.698 ug/L	99
14) Carbon disulfide	2.48	76	55706	0.946 ug/L #	95
15) Methyl Acetate	2.62	43	7061	0.913 ug/L	99
16) Methylene chloride	2.70	84	20142	1.011 ug/L	97
17) Methyl tert-butyl Ether	3.00	73	39397	0.896 ug/L	97
18) trans-1,2-Dichloroethene	2.98	96	17853	0.960 ug/L	98
19) 1,1-Dichloroethane	3.44	63	27250	0.830 ug/L #	94
21) 2-Butanone	4.29	43	28232	6.326 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	16131	0.889 ug/L	99
23) Bromochloromethane	4.55	128	7364	0.888 ug/L	97
25) Chloroform	4.67	83	26271	0.795 ug/L	96
27) 1,2-Dichloroethane	5.40	62	14900	0.675 ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	23241	0.837 ug/L	98
30) Cyclohexane	4.99	56	22909	0.908 ug/L	95
31) Carbon tetrachloride	5.13	117	21132	0.886 ug/L	97
33) Benzene	5.39	78	52133	0.817 ug/L	100
34) Trichloroethene	6.19	95	15054	0.876 ug/L	95
35) Methylcyclohexane	6.41	83	27107	0.973 ug/L	98
37) 1,2-Dichloropropane	6.43	63	13745	0.822 ug/L #	94
38) Bromodichloromethane	6.76	83	19209	0.860 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	21803	0.893 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	76567	7.671 ug/L	98

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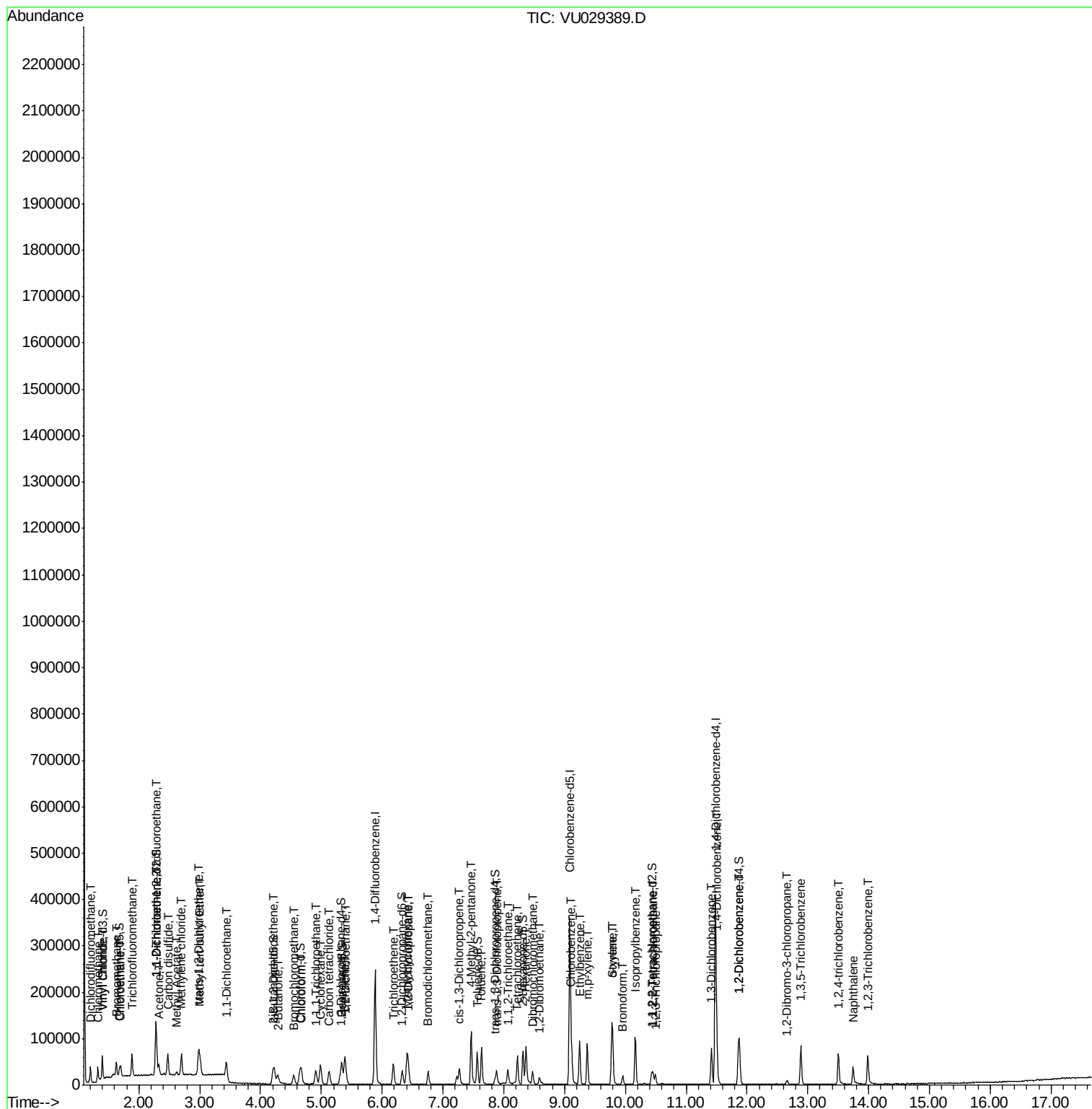
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	60309	0.868	ug/L	95
44) trans-1,3-Dichloropropene	7.88	75	17134	0.813	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	10505	0.862	ug/L	96
47) Tetrachloroethene	8.22	164	13794	0.908	ug/L	97
48) 2-Hexanone	8.37	43	50840	7.061	ug/L	96
49) Dibromochloromethane	8.48	129	14446	0.933	ug/L	94
50) 1,2-Dibromoethane	8.59	107	10270	0.868	ug/L	97
51) Chlorobenzene	9.12	112	42472	0.919	ug/L	97
52) Ethylbenzene	9.25	91	69081	0.899	ug/L	100
53) m,p-xylene	9.38	106	27157	0.924	ug/L	95
54) o-xylene	9.78	106	26483	0.939	ug/L	100
55) Styrene	9.79	104	42510	0.879	ug/L	100
56) Isopropylbenzene	10.16	105	69096	0.912	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	12967	0.818	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	8593	0.752	ug/L	99
61) Bromoform	9.96	173	9024	0.946	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	35557	0.929	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	36777	0.907	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	33931	0.911	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	2243	0.861	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	28764	0.896	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	23847	0.876	ug/L	98
69) Naphthalene	13.75	128	34043	0.787	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	21489	0.857	ug/L	95

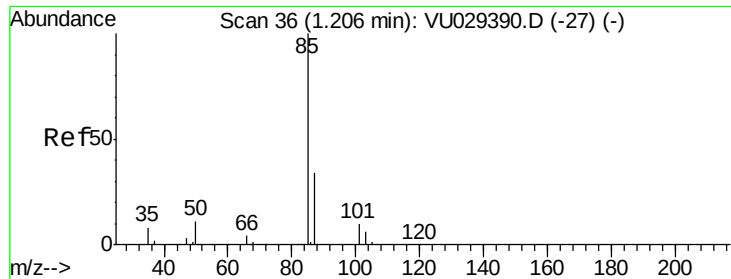
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.637 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

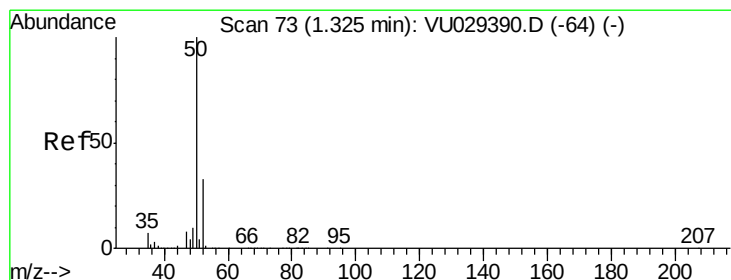
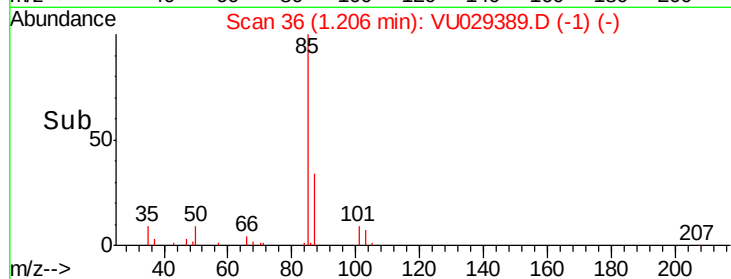
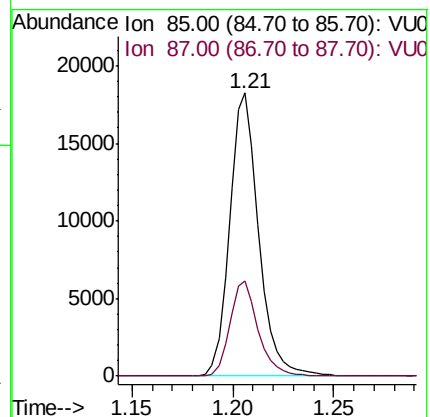
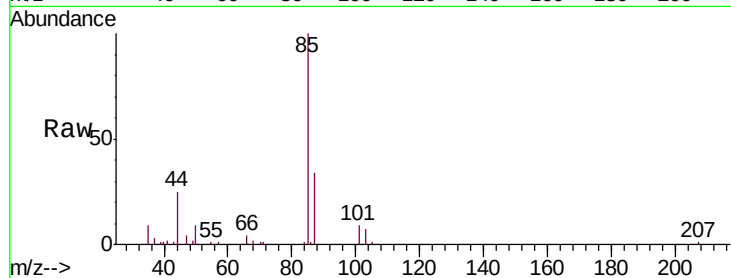
VSTD00145

Tgt Ion: 85 Resp: 18291

Ion Ratio Lower Upper

85 100

87 32.7 26.8 40.2



#3

Chloromethane

Concen: 0.676 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029389.D

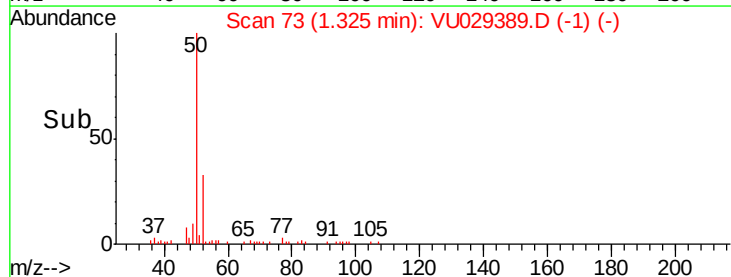
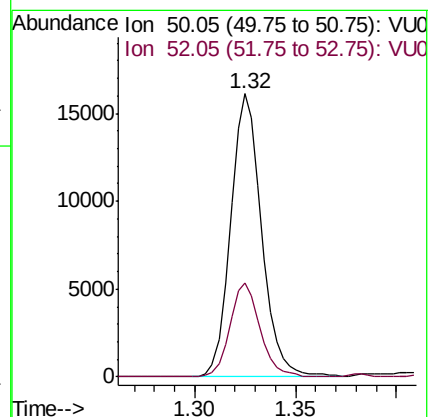
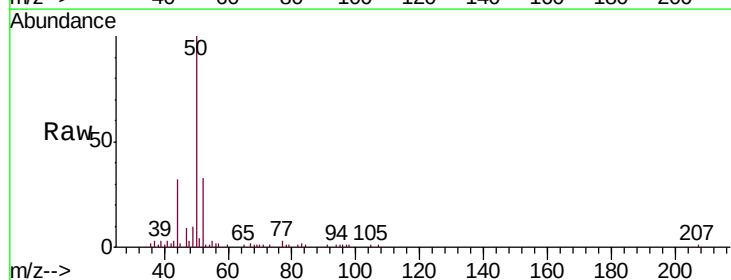
Acq: 11 Feb 2019 10:56

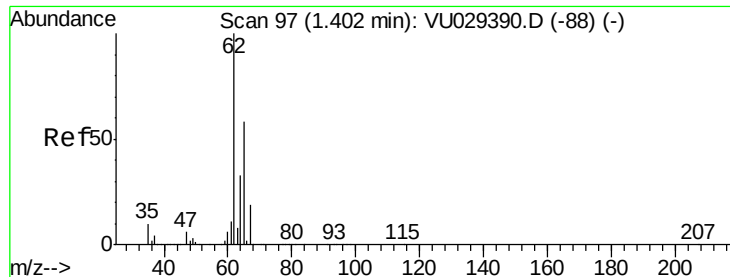
Tgt Ion: 50 Resp: 17296

Ion Ratio Lower Upper

50 100

52 33.3 23.4 43.4





#5

Vinyl chloride

Concen: 0.700 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029389.D

Acq: 11 Feb 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

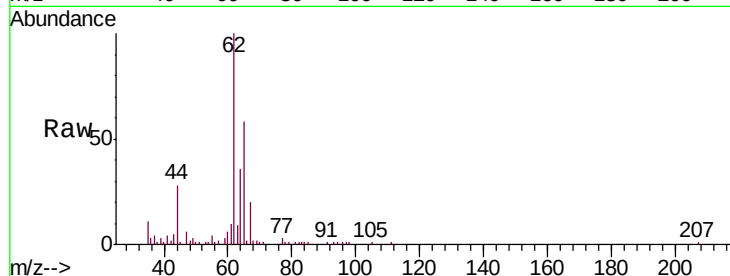
VSTD00145

Tgt Ion: 62 Resp: 18327

Ion Ratio Lower Upper

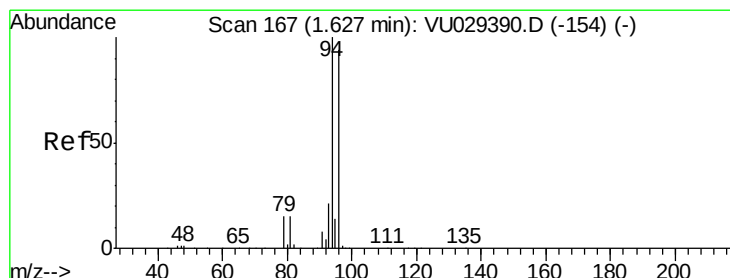
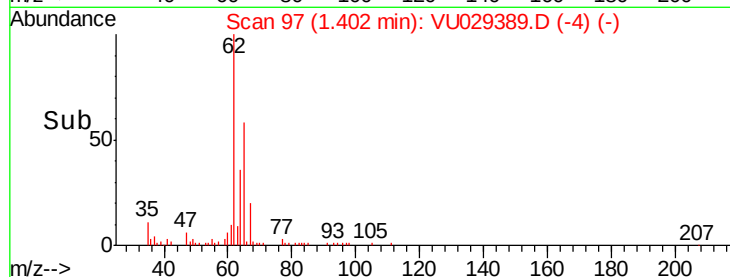
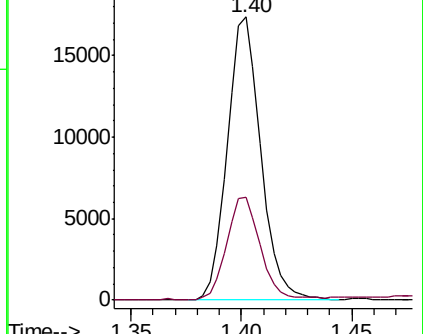
62 100

64 36.2 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.860 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU029389.D

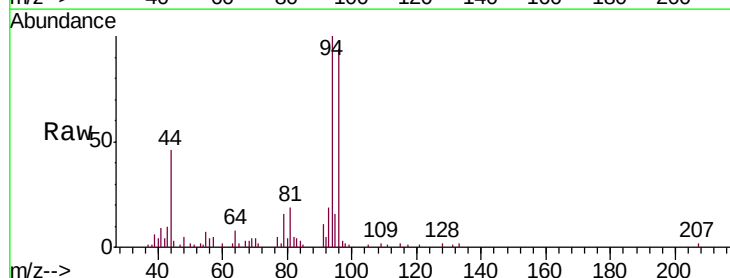
Acq: 11 Feb 2019 10:56

Tgt Ion: 94 Resp: 12496

Ion Ratio Lower Upper

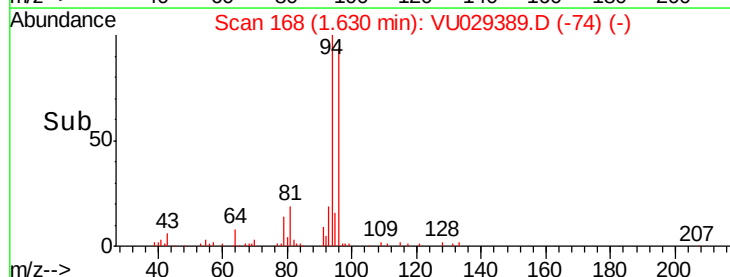
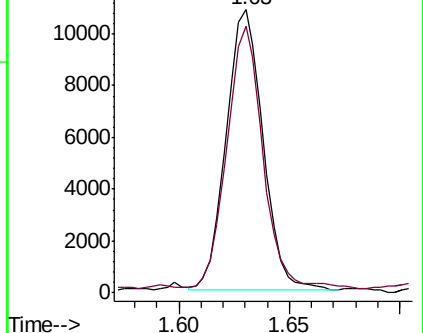
94 100

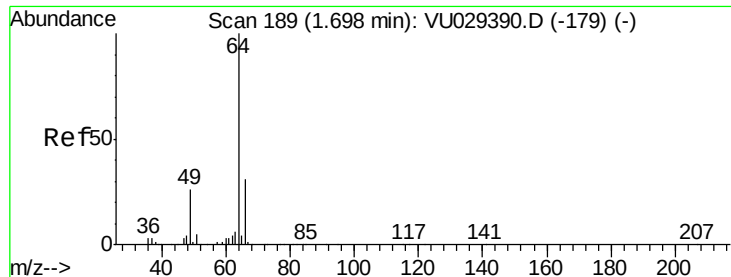
96 94.2 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.840 ug/L

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU029389.D

Acq: 11 Feb 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

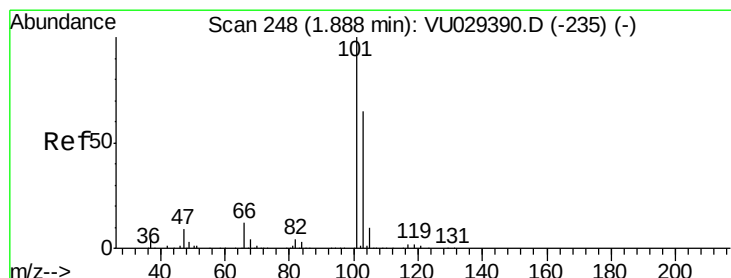
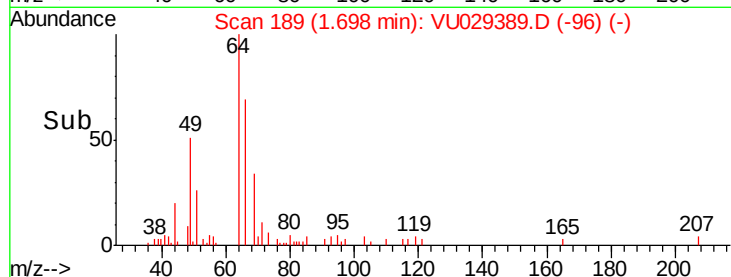
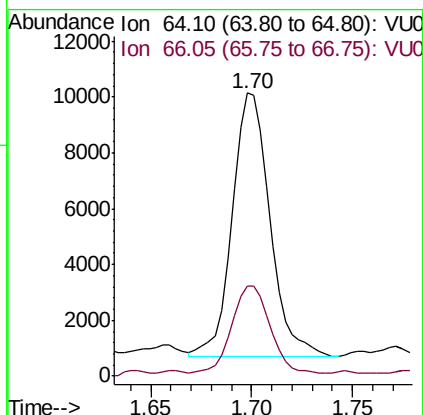
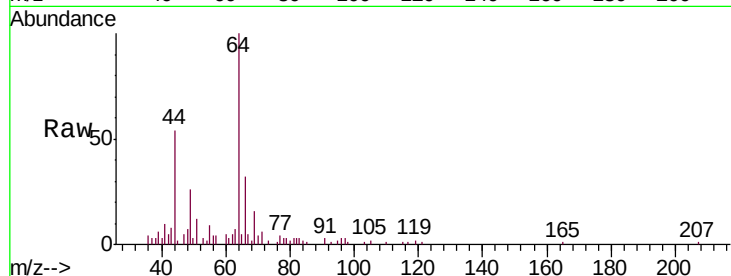
VSTD00145

Tgt Ion: 64 Resp: 12436

Ion Ratio Lower Upper

64 100

66 31.8 21.8 40.4



#9

Trichlorofluoromethane

Concen: 0.809 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU029389.D

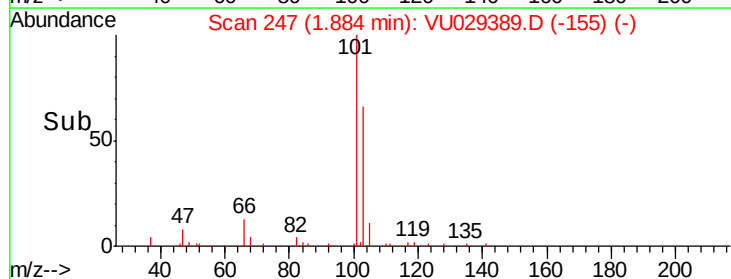
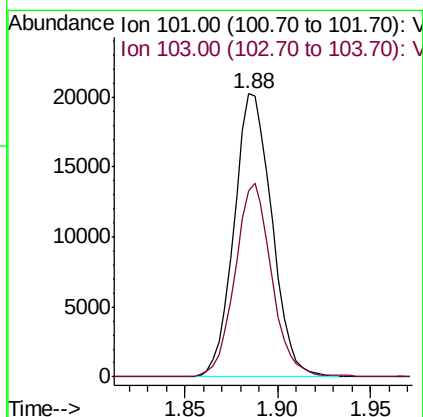
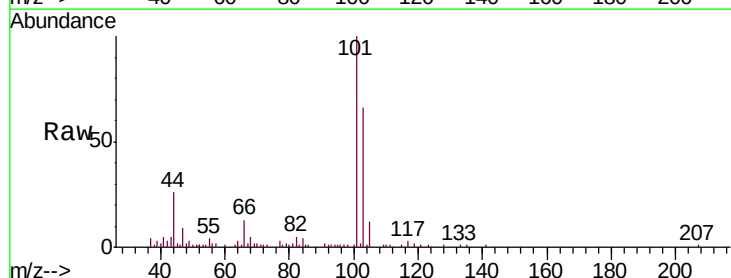
Acq: 11 Feb 2019 10:56

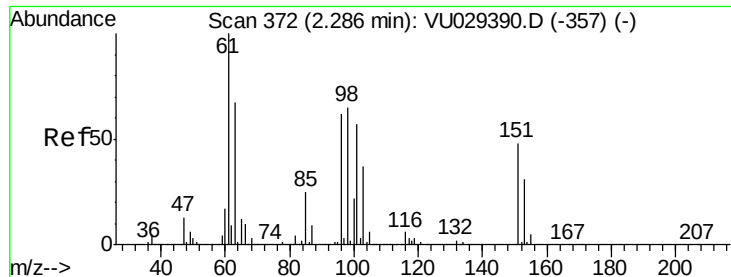
Tgt Ion: 101 Resp: 28600

Ion Ratio Lower Upper

101 100

103 66.1 51.8 77.6





#10

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

Concen: 0.924 ug/L

RT: 2.29 min Scan# 373

Delta R.T. 0.00 min

Lab File: VU029389.D

Acq: 11 Feb 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00145

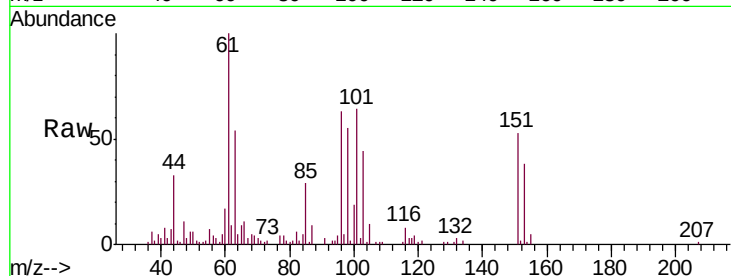
Tgt Ion:101 Resp: 17019

Ion Ratio Lower Upper

101 100

85 42.8 34.9 52.3

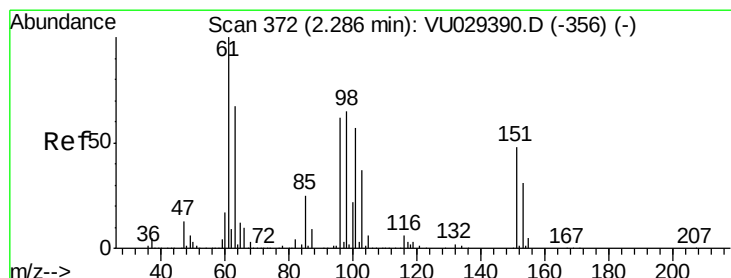
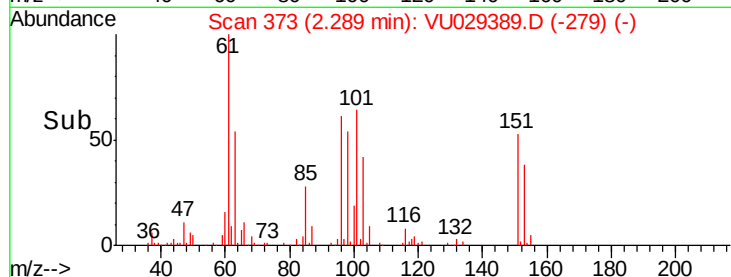
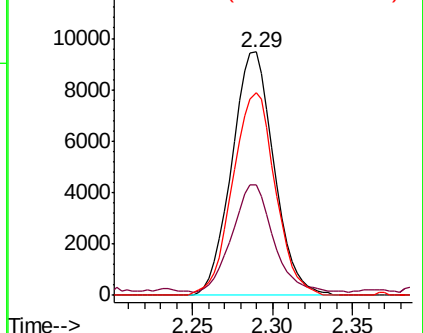
151 83.8 67.0 100.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.960 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029389.D

Acq: 11 Feb 2019 10:56

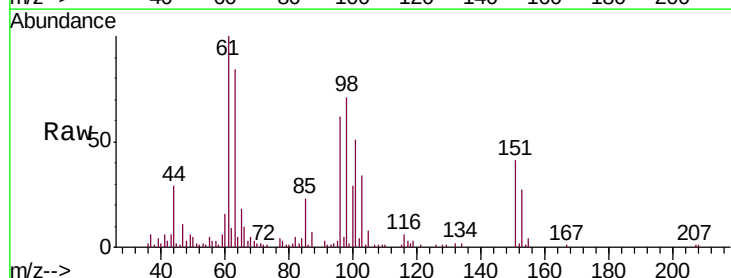
Tgt Ion: 96 Resp: 16327

Ion Ratio Lower Upper

96 100

61 162.5 112.4 208.8

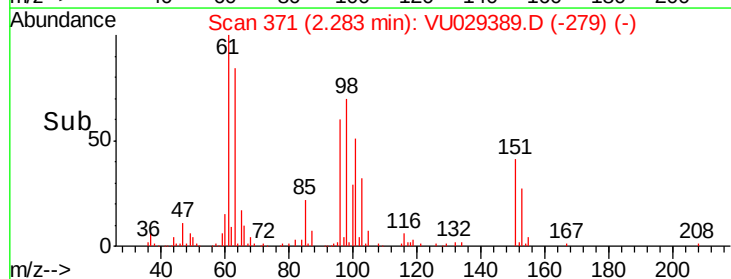
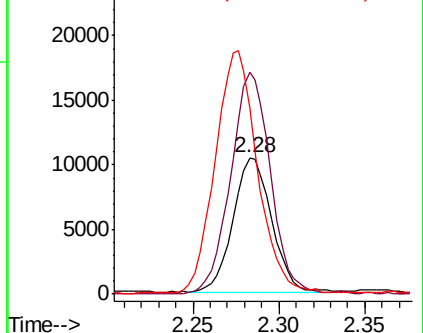
63 136.6 75.5 140.3

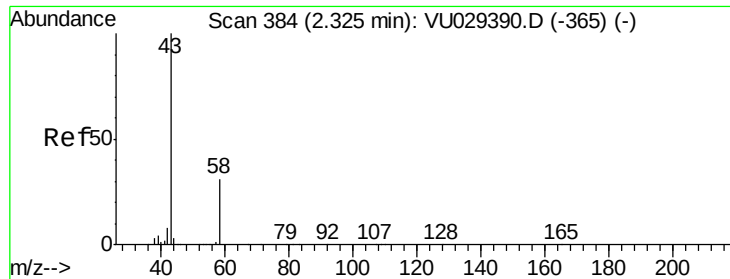


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 7.698 ug/L

RT: 2.33 min Scan# 385

Delta R.T. 0.00 min

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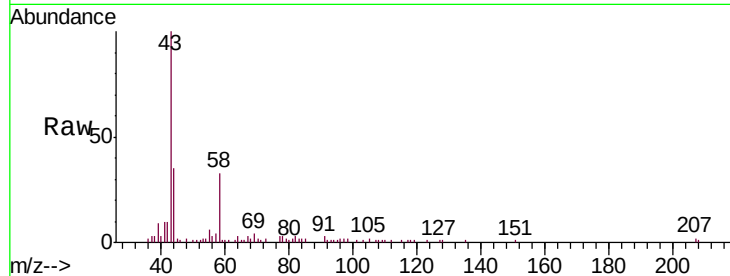
VSTD00145

Tgt Ion: 43 Resp: 24313

Ion Ratio Lower Upper

43 100

58 32.4 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.33

15000

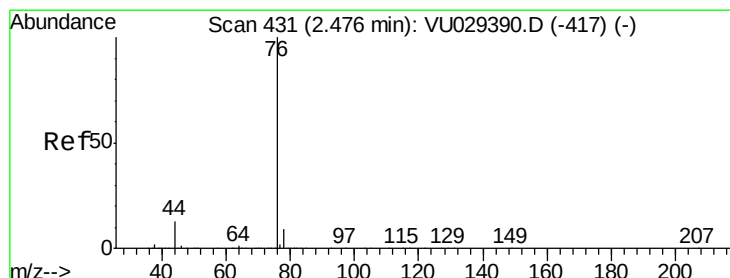
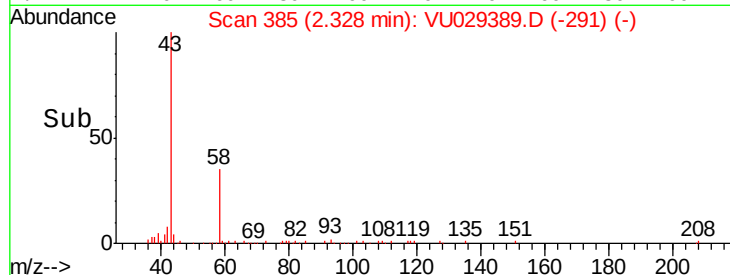
10000

5000

0

Time-->

2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 0.946 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU029389.D

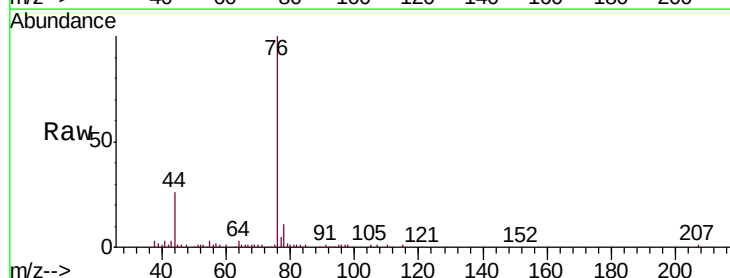
Acq: 11 Feb 2019 10:56

Tgt Ion: 76 Resp: 55706

Ion Ratio Lower Upper

76 100

78 11.0 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

40000

30000

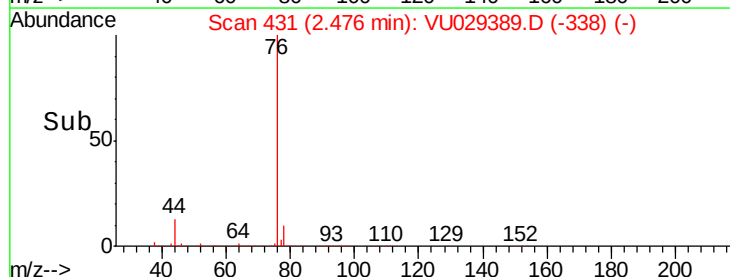
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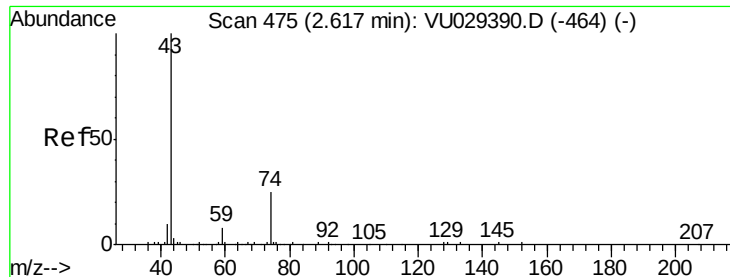
10000

0

Time-->

2.40 2.45 2.50 2.55





#15

Methyl Acetate

Concen: 0.913 ug/L

RT: 2.62 min Scan# 475

Delta R.T. -0.00 min

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ClientSampleId :

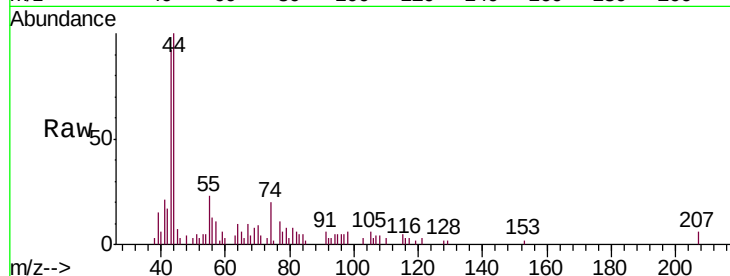
VSTD00145

Tgt Ion: 43 Resp: 7061

Ion Ratio Lower Upper

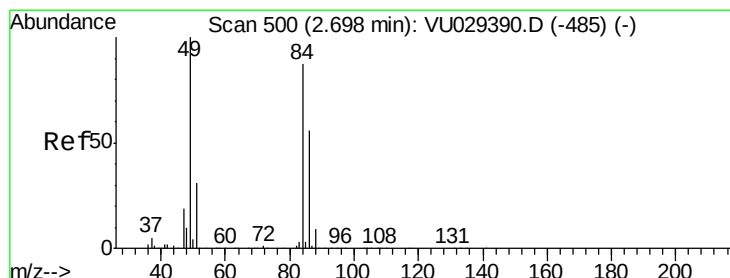
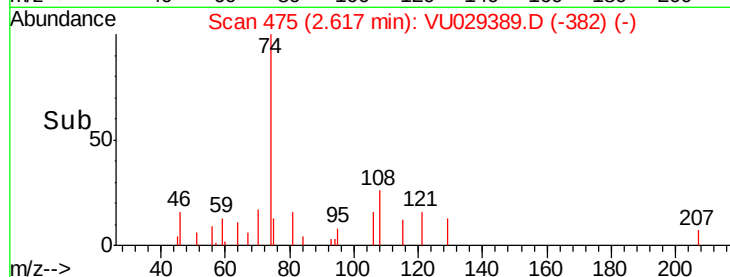
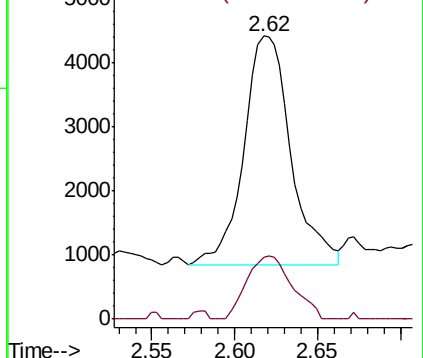
43 100

74 26.6 21.8 32.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 1.011 ug/L

RT: 2.70 min Scan# 501

Delta R.T. 0.00 min

Lab File: VU029389.D

Acq: 11 Feb 2019 10:56

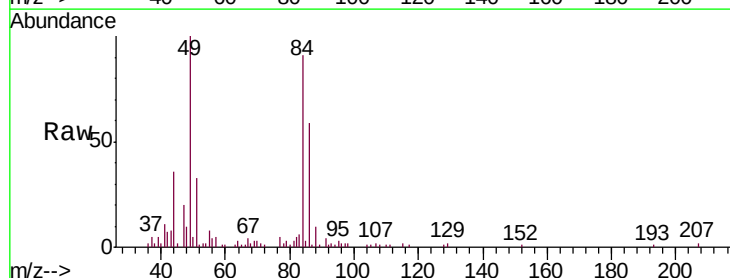
Tgt Ion: 84 Resp: 20142

Ion Ratio Lower Upper

84 100

86 64.7 44.7 82.9

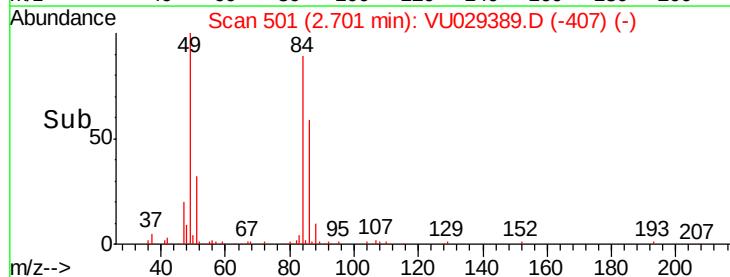
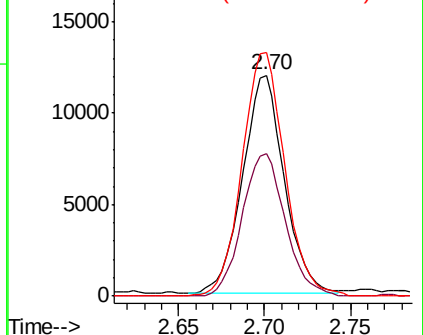
49 110.2 80.4 149.2

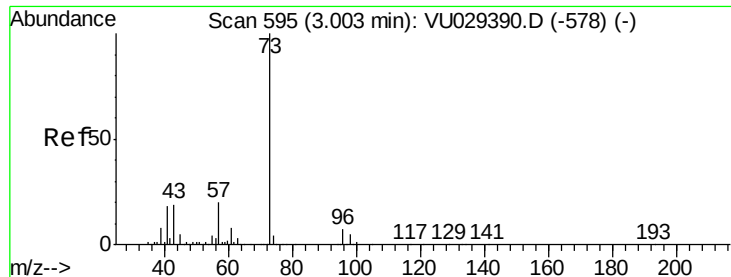


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methyl tert-butyl Ether

Concen: 0.896 ug/L

RT: 3.00 min Scan# 595

Delta R.T. -0.00 min

Lab File: VU029389.D

Acq: 11 Feb 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00145

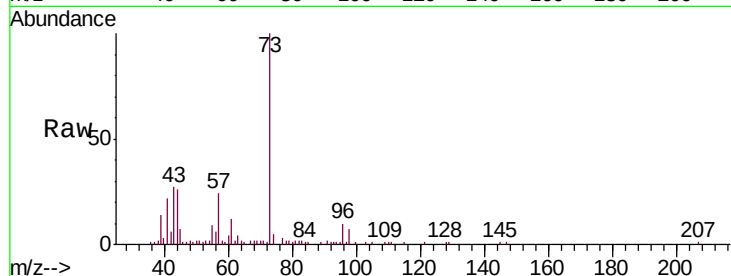
Tgt Ion: 73 Resp: 39397

Ion Ratio Lower Upper

73 100

43 21.8 15.9 23.9

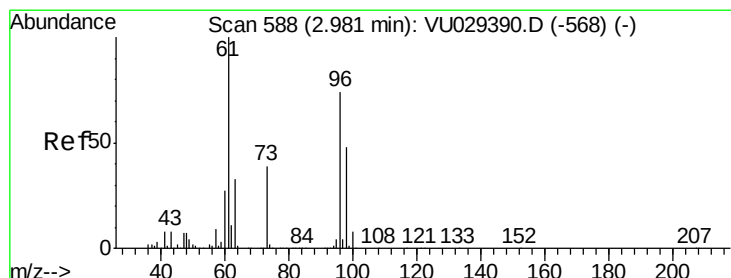
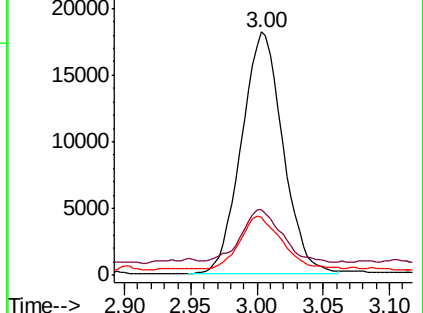
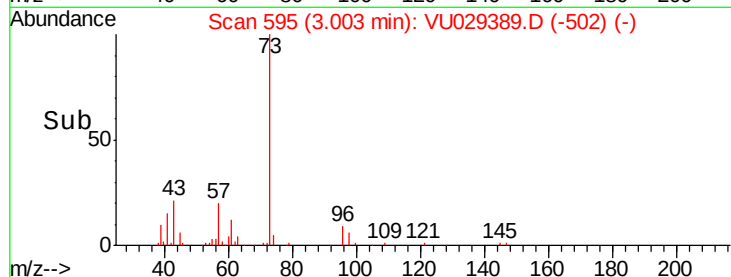
57 21.6 16.9 25.3



Abundance Ion 73.10 (72.80 to 73.80): VU029389.D (-502) (-)

Ion 43.05 (42.75 to 43.75): VU029389.D (-502) (-)

Ion 57.10 (56.80 to 57.80): VU029389.D (-502) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.960 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU029389.D

Acq: 11 Feb 2019 10:56

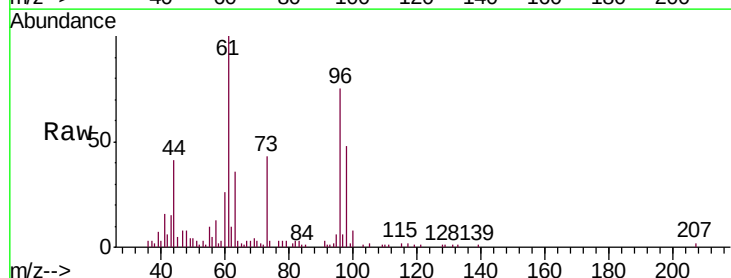
Tgt Ion: 96 Resp: 17853

Ion Ratio Lower Upper

96 100

61 133.3 94.8 176.0

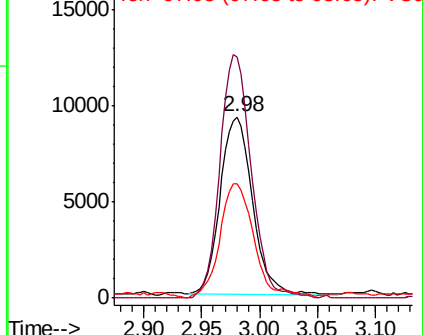
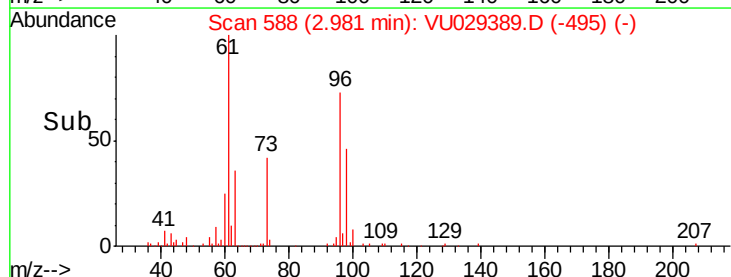
98 63.3 45.5 84.5

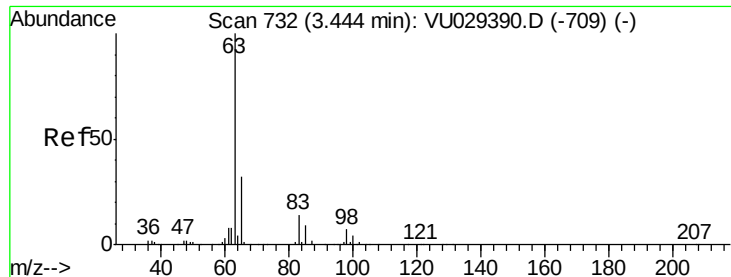


Abundance Ion 96.00 (95.70 to 96.70): VU029389.D (-495) (-)

Ion 61.05 (60.75 to 61.75): VU029389.D (-495) (-)

Ion 97.95 (97.65 to 98.65): VU029389.D (-495) (-)

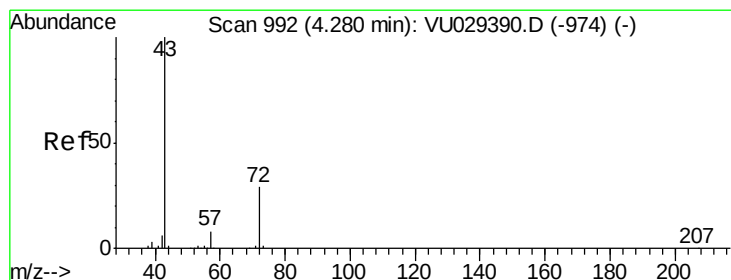
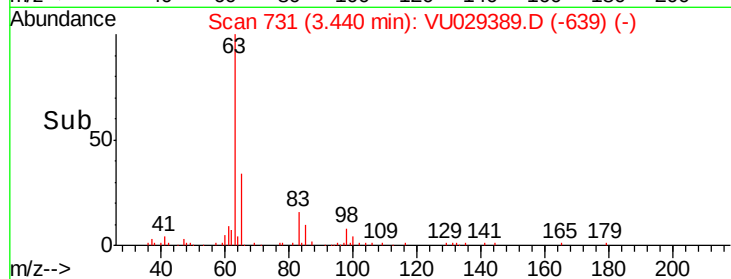
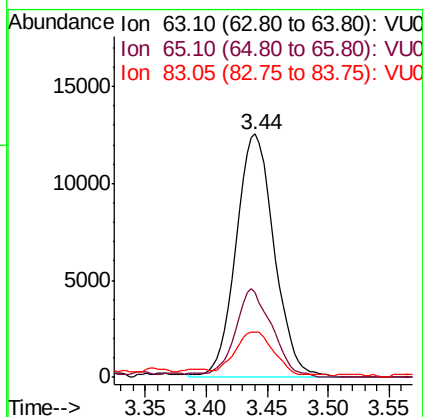
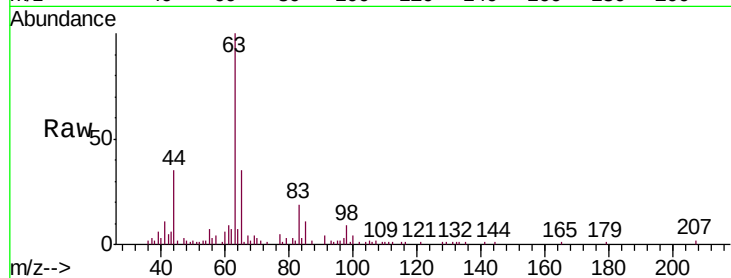




#19
 1,1-Dichloroethane
 Concen: 0.830 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU029389.D
 Acq: 11 Feb 2019 10:56

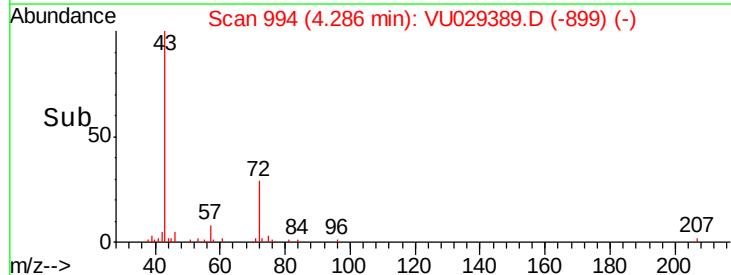
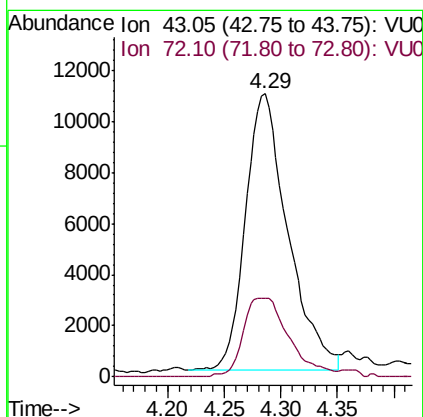
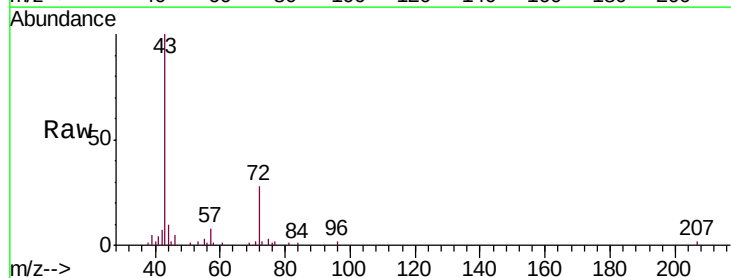
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00145

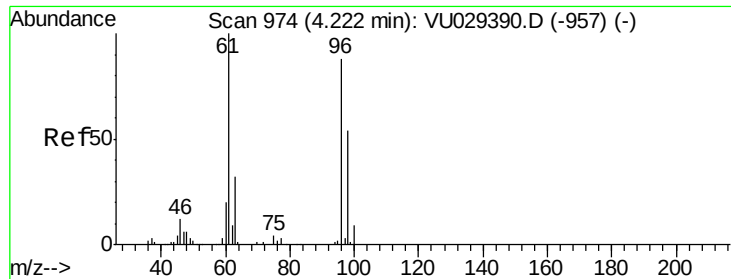
Tgt Ion: 63 Resp: 27250
 Ion Ratio Lower Upper
 63 100
 65 34.8 22.8 42.4
 83 18.7 10.0 18.6#



#21
 2-Butanone
 Concen: 6.326 ug/L
 RT: 4.29 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VU029389.D
 Acq: 11 Feb 2019 10:56

Tgt Ion: 43 Resp: 28232
 Ion Ratio Lower Upper
 43 100
 72 30.9 15.0 45.1



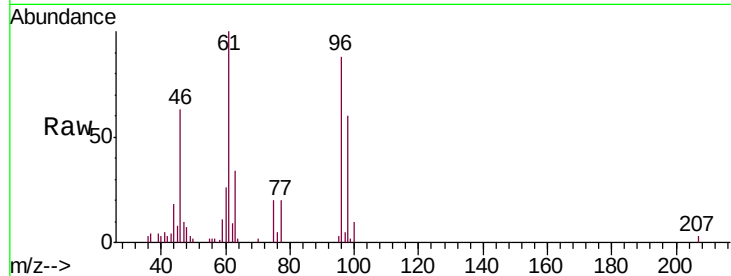


#22

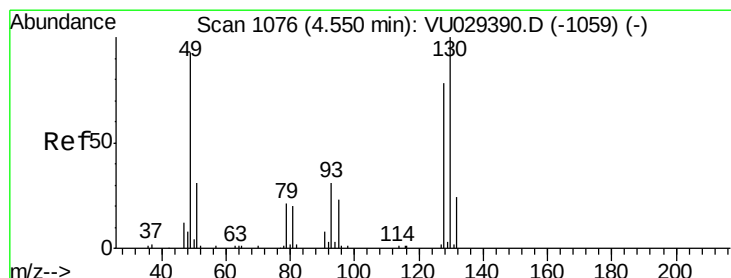
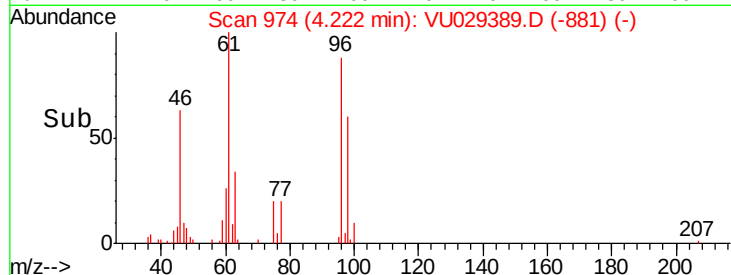
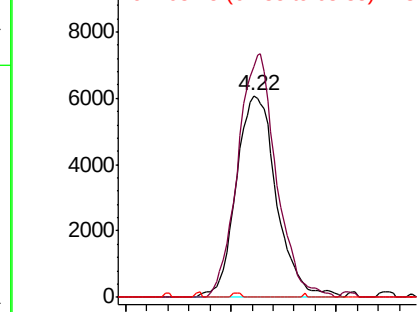
cis-1,2-Dichloroethene
 Concen: 0.889 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU029389.D
 Acq: 11 Feb 2019 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00145

Tgt Ion: 96 Resp: 16131
 Ion Ratio Lower Upper
 96 100
 61 114.1 79.4 147.4
 68 0.0 0.0 0.0



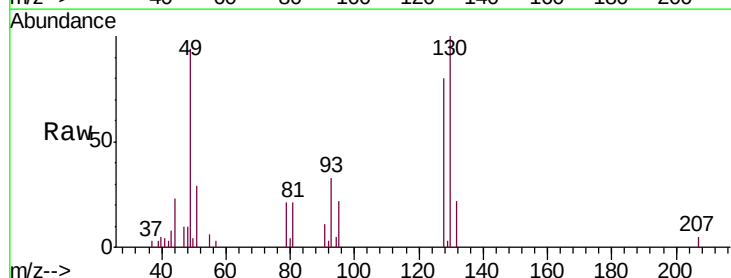
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



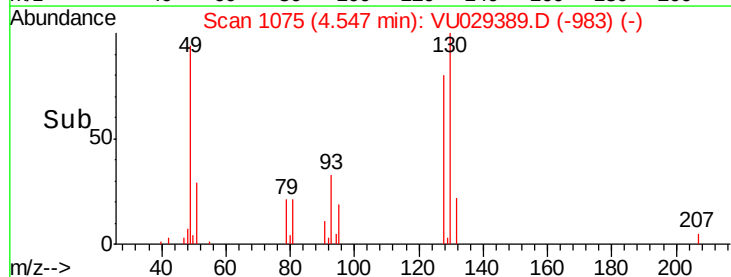
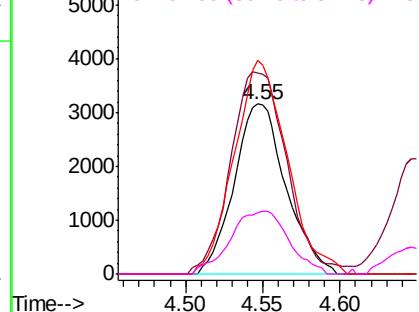
#23

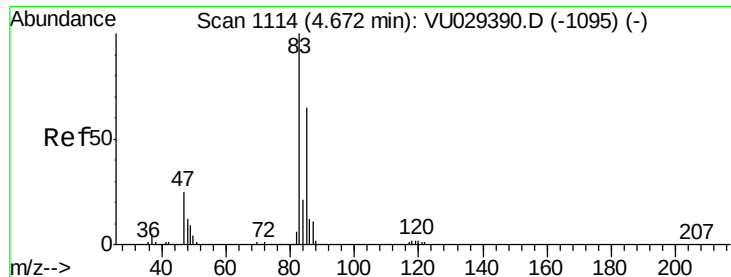
Bromochloromethane
 Concen: 0.888 ug/L
 RT: 4.55 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VU029389.D
 Acq: 11 Feb 2019 10:56

Tgt Ion: 128 Resp: 7364
 Ion Ratio Lower Upper
 128 100
 49 118.2 84.4 156.7
 130 125.5 90.1 167.3
 51 36.4 32.3 48.5



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

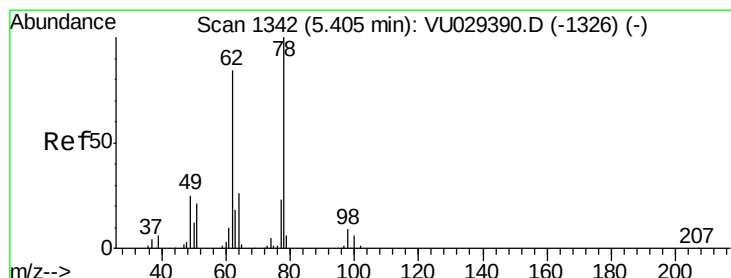
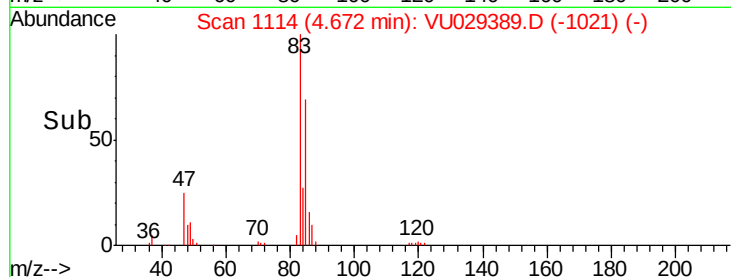
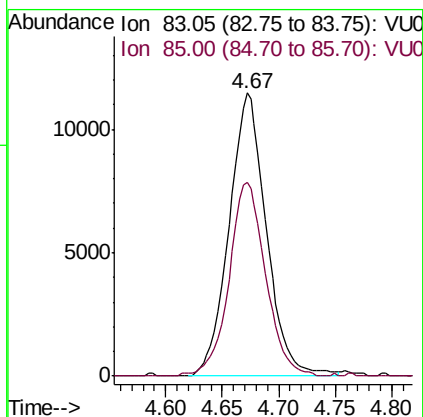
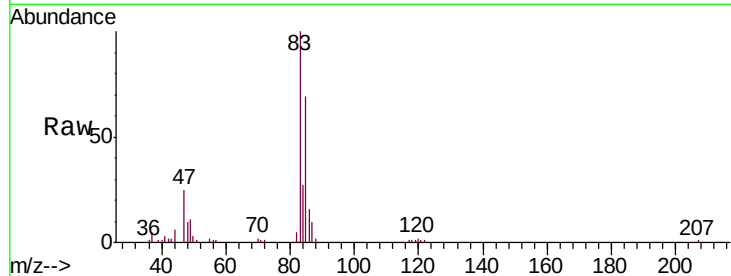




#25
Chloroform
Concen: 0.795 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VU029389.D
Acq: 11 Feb 2019 10:56

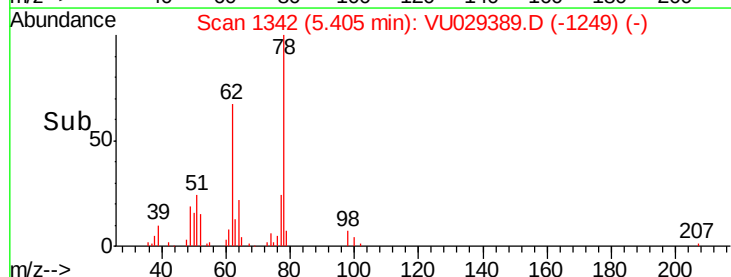
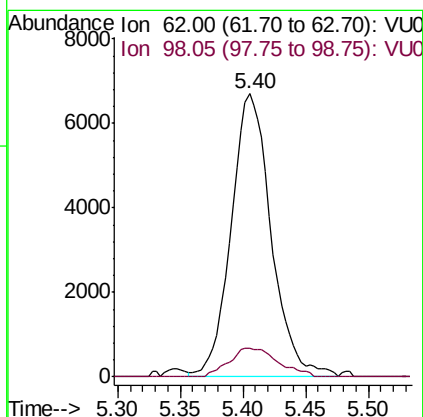
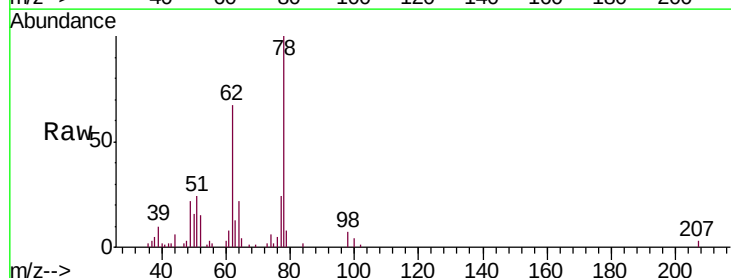
Instrument :
MSVOA_U
ClientSampleId :
VSTD00145

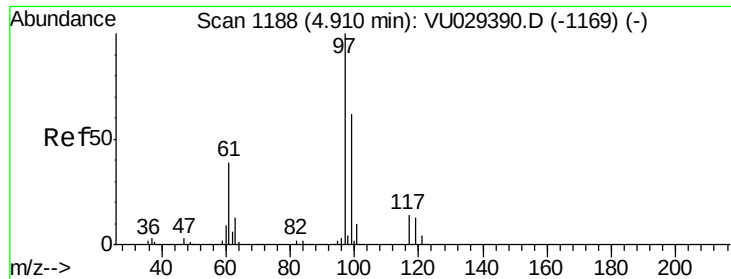
Tgt Ion: 83 Resp: 26271
Ion Ratio Lower Upper
83 100
85 68.6 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.675 ug/L
RT: 5.40 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VU029389.D
Acq: 11 Feb 2019 10:56

Tgt Ion: 62 Resp: 14900
Ion Ratio Lower Upper
62 100
98 10.1 8.7 13.1

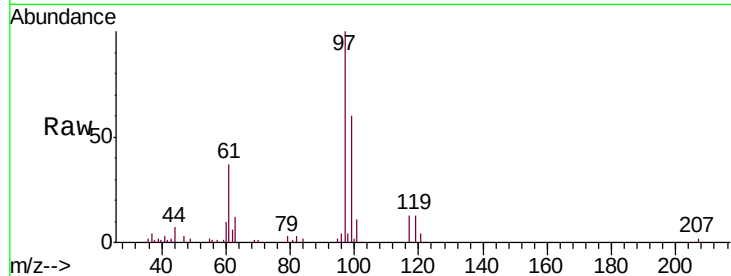




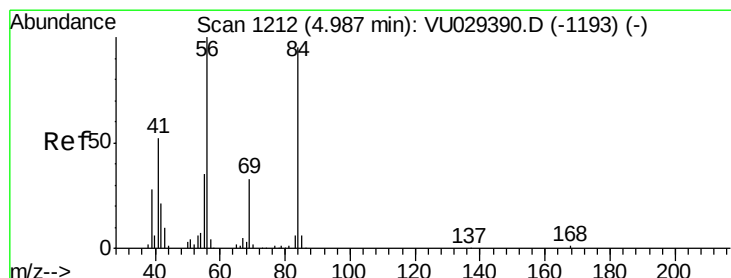
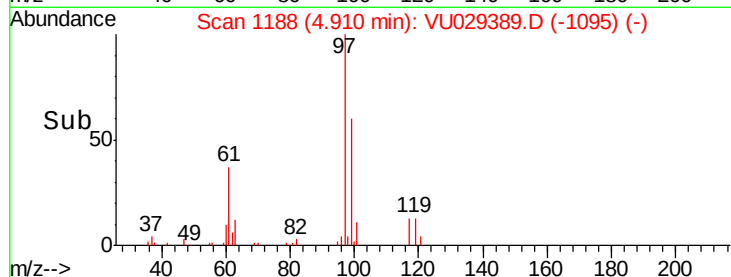
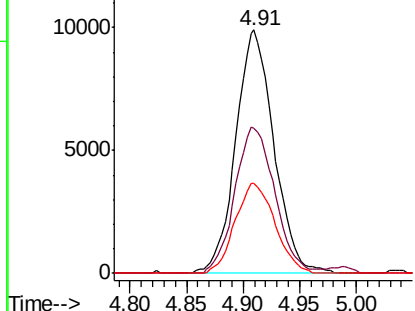
#29
 1,1,1-Trichloroethane
 Concen: 0.837 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU029389.D
 Acq: 11 Feb 2019 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00145

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	50.9	76.3
61	38.6	32.0	48.0

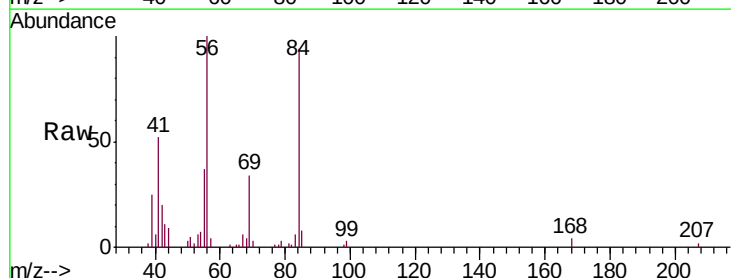


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

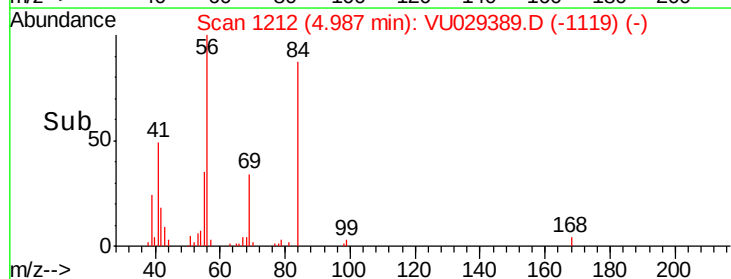
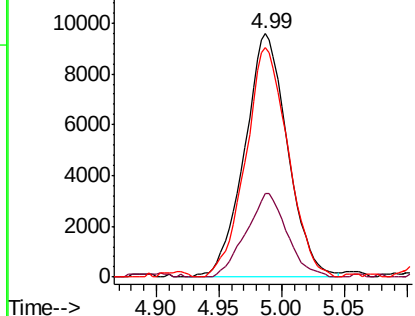


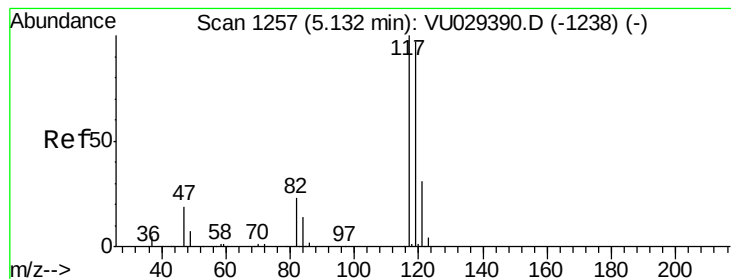
#30
 Cyclohexane
 Concen: 0.908 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: VU029389.D
 Acq: 11 Feb 2019 10:56

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.5	26.8	40.2
84	92.8	78.7	118.1



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: 0.886 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VU029389.D

Acq: 11 Feb 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

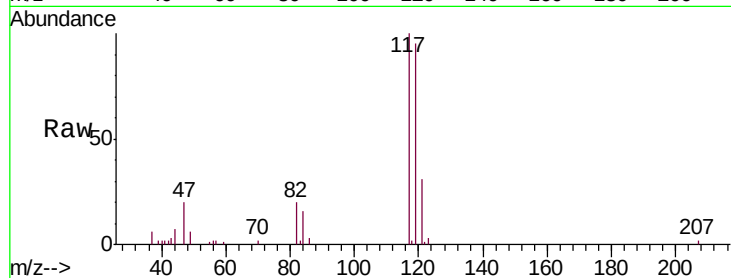
VSTD00145

Tgt Ion:117 Resp: 21132

Ion Ratio Lower Upper

117 100

119 95.2 78.2 117.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

10000

8000

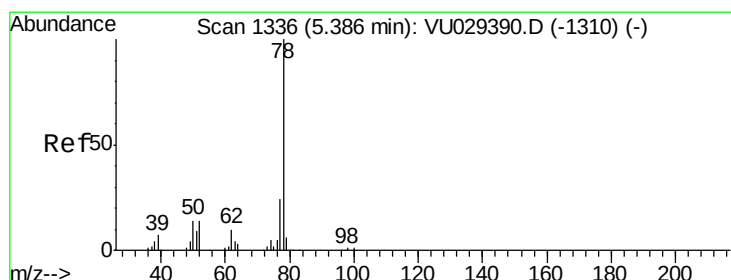
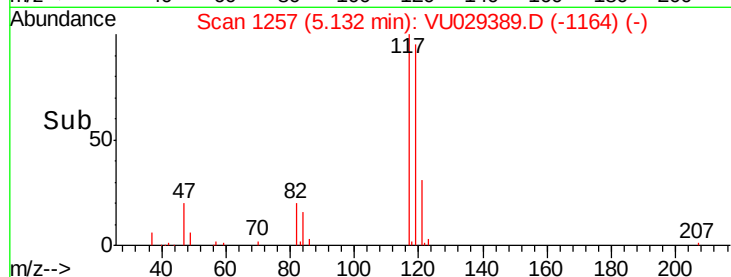
6000

4000

2000

0

Time--> 5.05 5.10 5.15 5.20



#33

Benzene

Concen: 0.817 ug/L

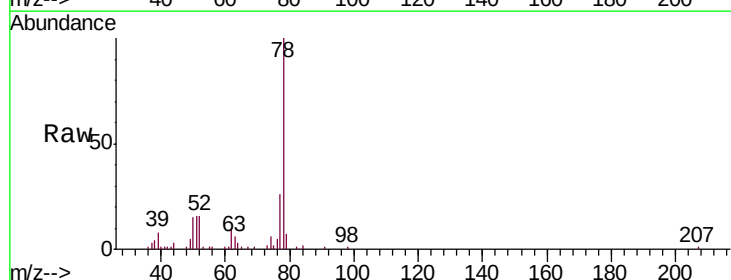
RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU029389.D

Acq: 11 Feb 2019 10:56

Tgt Ion: 78 Resp: 52133



Abundance Ion 78.10 (77.80 to 78.80): VU0

25000

20000

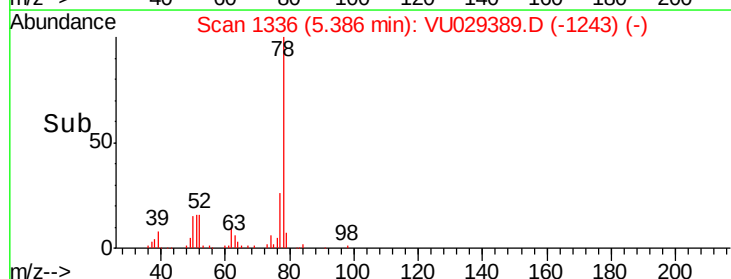
15000

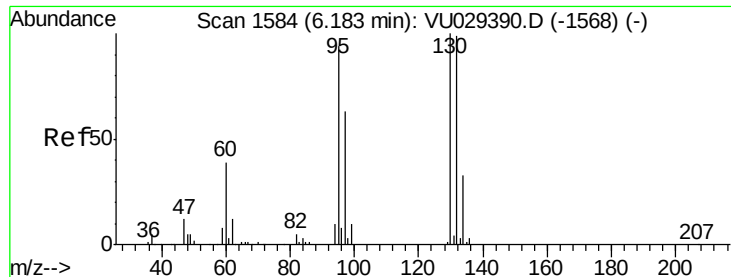
10000

5000

0

Time--> 5.30 5.40 5.50





#34

Trichloroethene

Concen: 0.876 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU029389.D

Acq: 11 Feb 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00145

Tgt Ion: 95 Resp: 15054

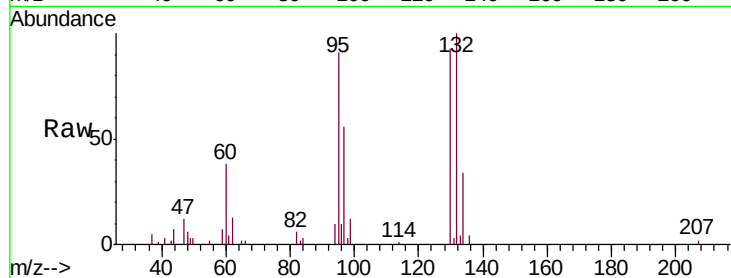
Ion Ratio Lower Upper

95 100

97 61.8 46.5 86.5

132 110.2 73.3 136.1

130 102.7 74.1 137.7

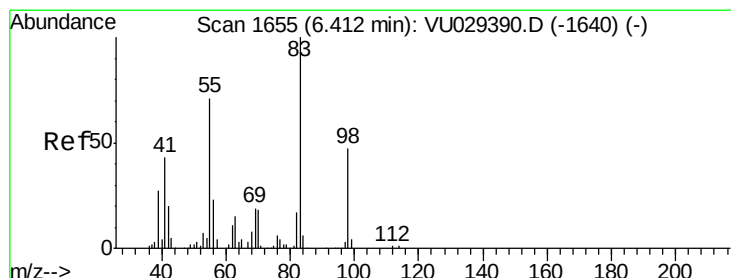
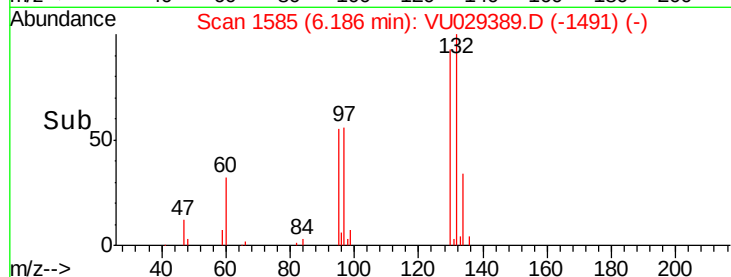
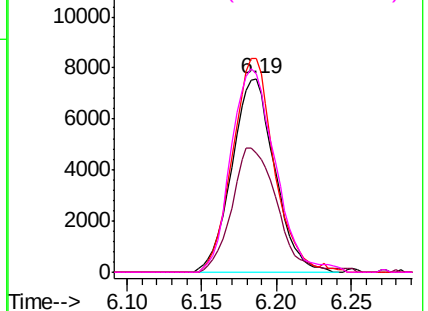


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.973 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU029389.D

Acq: 11 Feb 2019 10:56

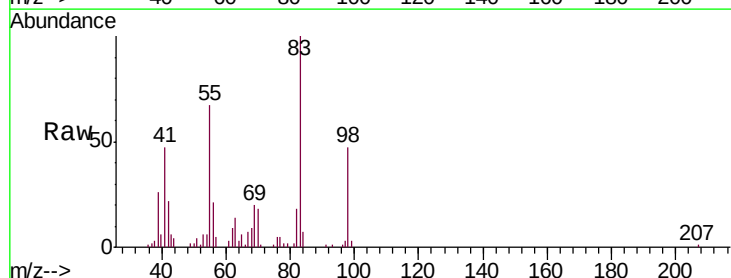
Tgt Ion: 83 Resp: 27107

Ion Ratio Lower Upper

83 100

55 67.1 55.3 82.9

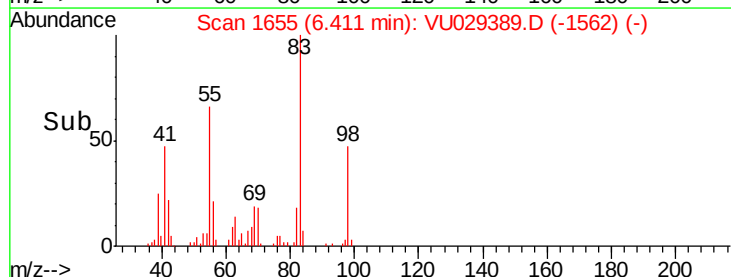
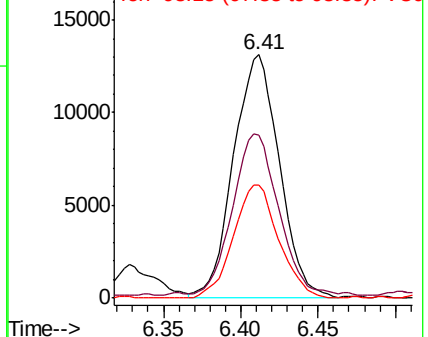
98 45.8 37.9 56.9

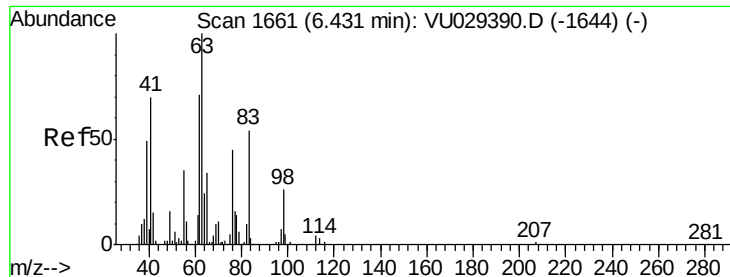


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

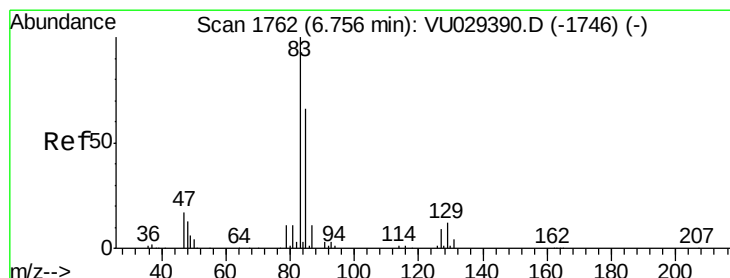
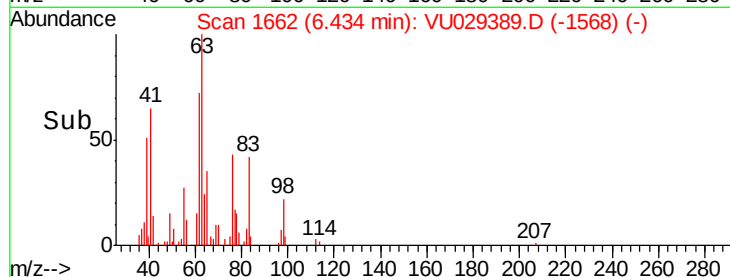
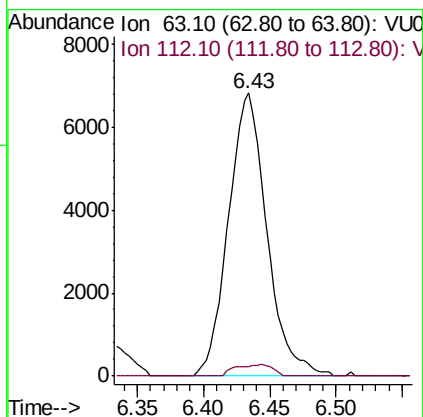
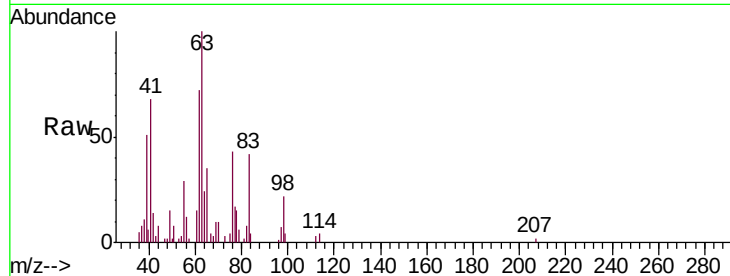




#37
 1,2-Dichloropropane
 Concen: 0.822 ug/L
 RT: 6.43 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VU029389.D
 Acq: 11 Feb 2019 10:56

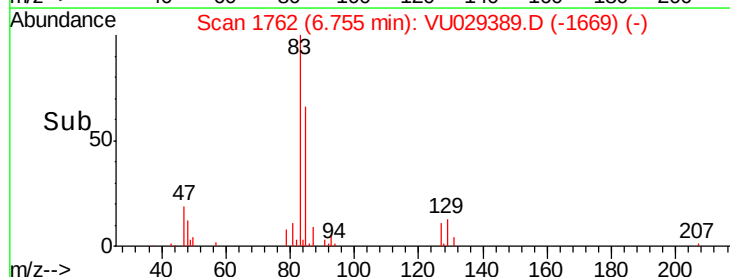
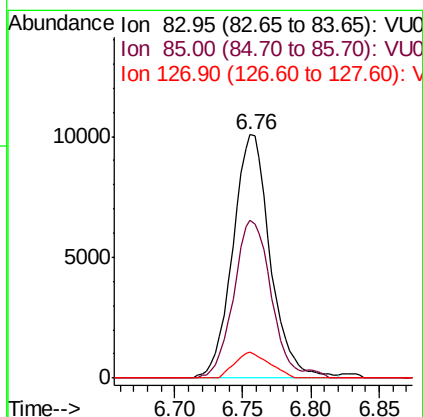
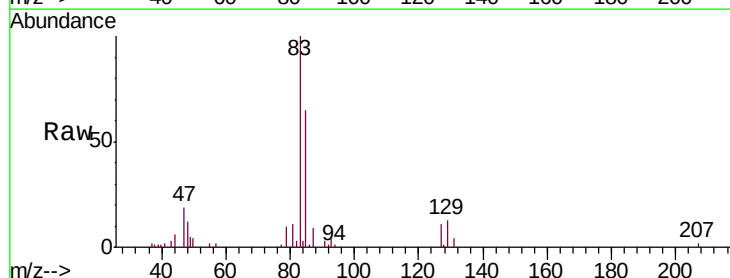
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00145

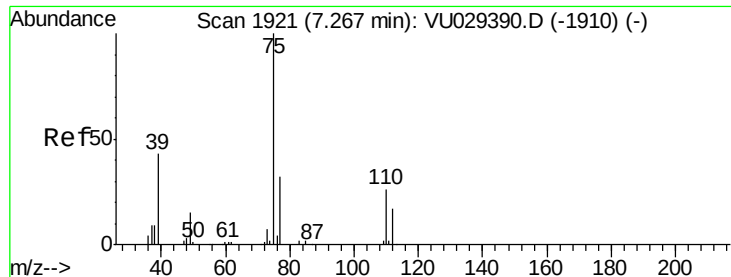
Tgt Ion: 63 Resp: 13745
 Ion Ratio Lower Upper
 63 100
 112 2.5 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 0.860 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VU029389.D
 Acq: 11 Feb 2019 10:56

Tgt Ion: 83 Resp: 19209
 Ion Ratio Lower Upper
 83 100
 85 64.7 46.0 85.4
 127 10.7 7.4 11.0

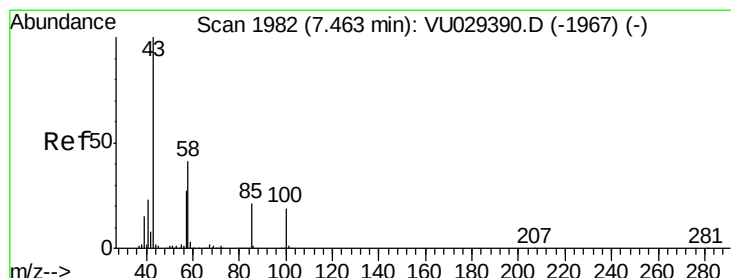
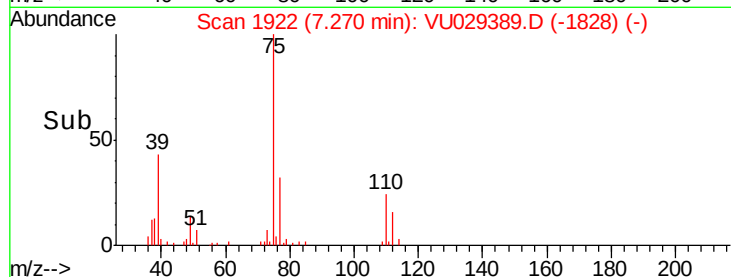
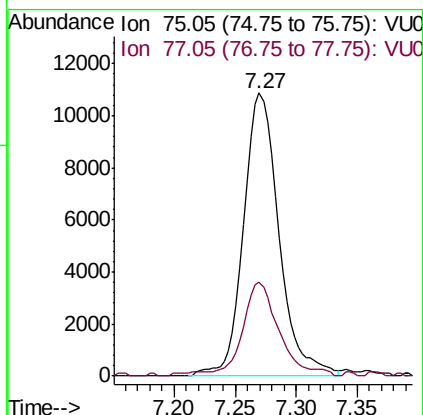
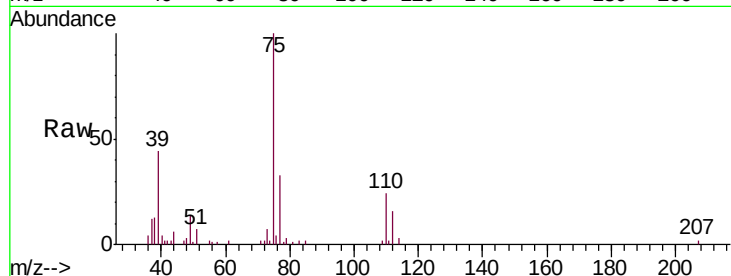




#39
 cis-1,3-Dichloropropene
 Concen: 0.893 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU029389.D
 Acq: 11 Feb 2019 10:56

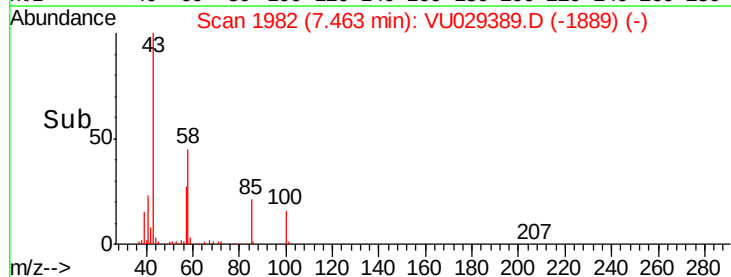
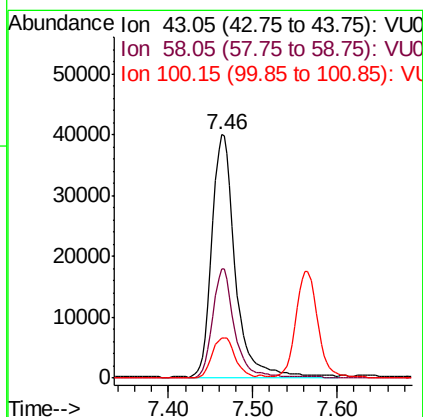
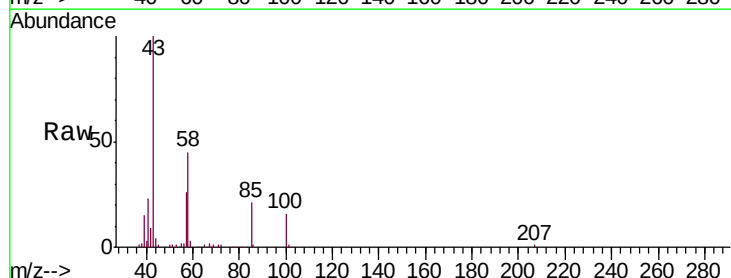
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00145

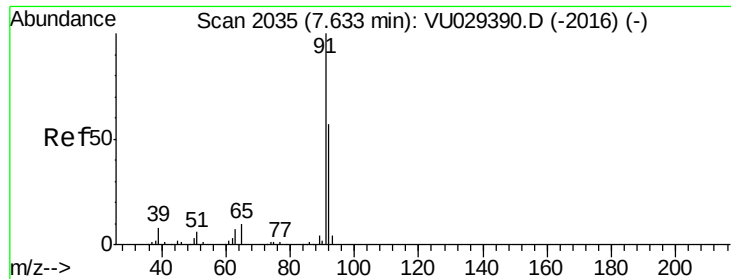
Tgt Ion: 75 Resp: 21803
 Ion Ratio Lower Upper
 75 100
 77 33.1 22.9 42.5



#40
 4-Methyl-2-pentanone
 Concen: 7.671 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VU029389.D
 Acq: 11 Feb 2019 10:56

Tgt Ion: 43 Resp: 76567
 Ion Ratio Lower Upper
 43 100
 58 42.4 33.0 49.4
 100 16.5 14.6 21.8





#42

Toluene

Concen: 0.868 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029389.D

Acq: 11 Feb 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

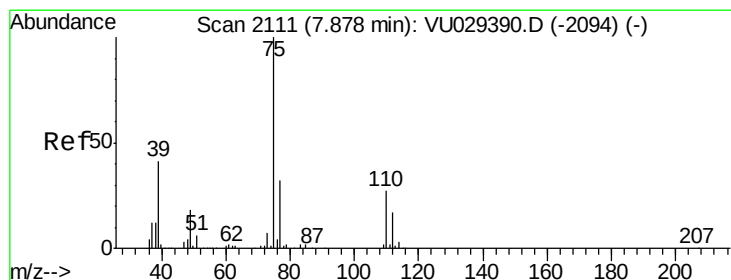
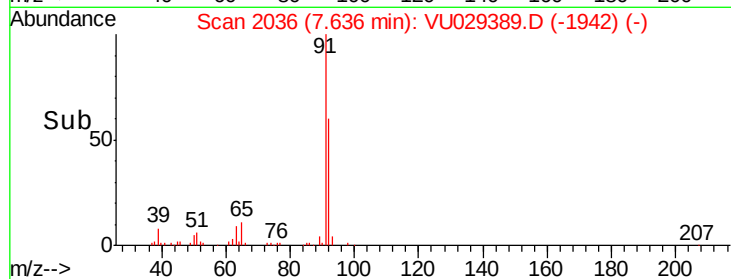
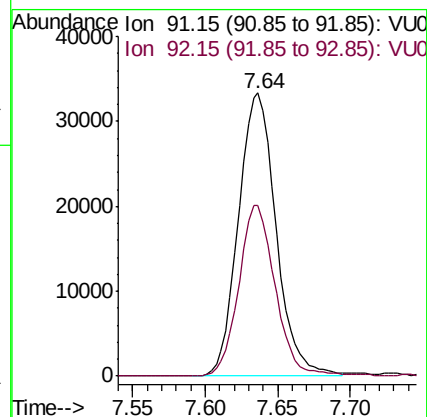
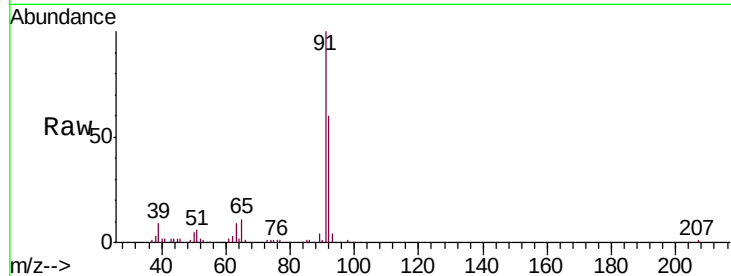
VSTD00145

Tgt Ion: 91 Resp: 60309

Ion Ratio Lower Upper

91 100

92 60.2 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 0.813 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029389.D

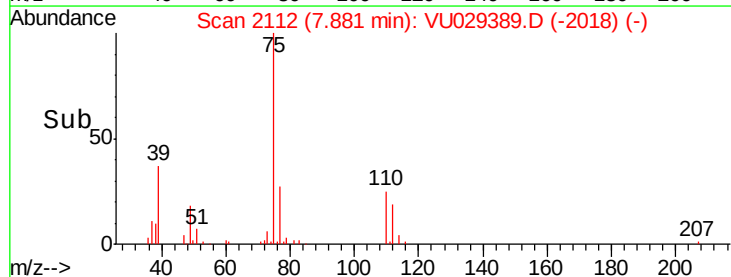
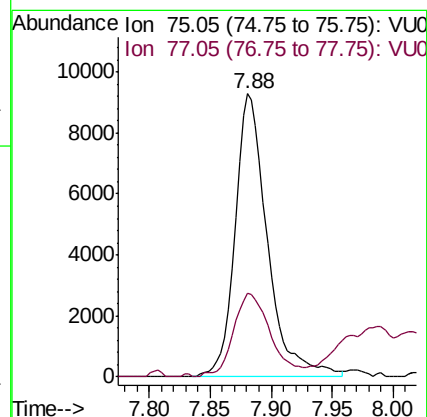
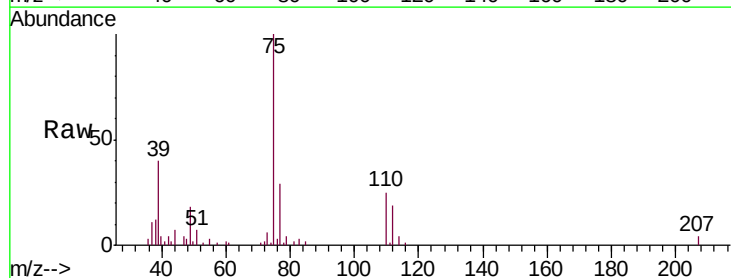
Acq: 11 Feb 2019 10:56

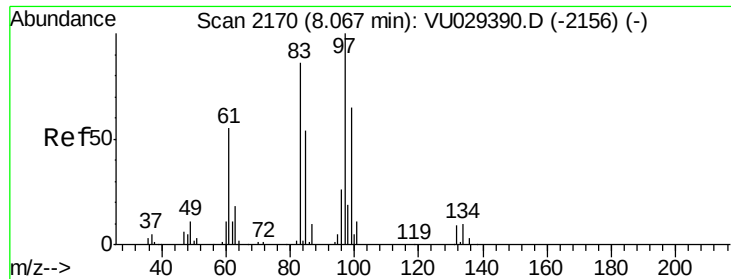
Tgt Ion: 75 Resp: 17134

Ion Ratio Lower Upper

75 100

77 29.4 22.3 41.5

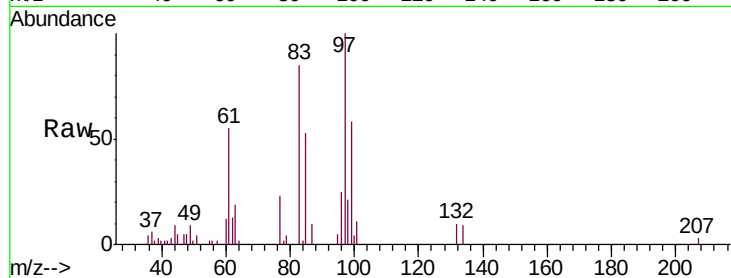




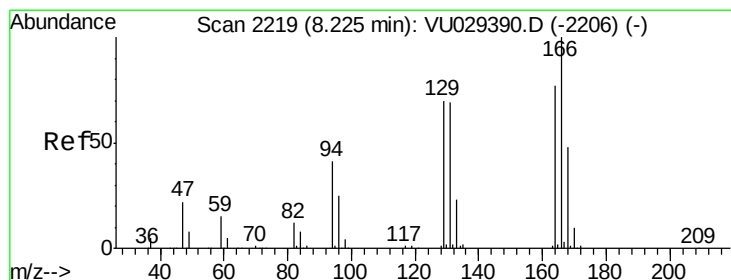
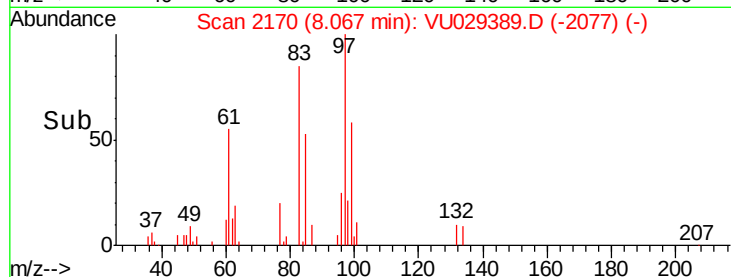
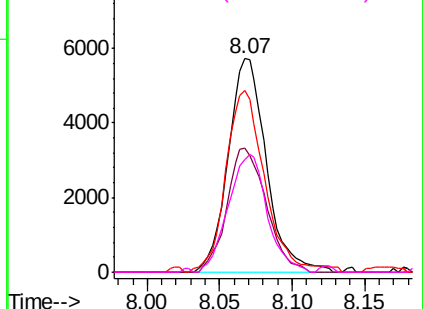
#45
 1,1,2-Trichloroethane
 Concen: 0.862 ug/L
 RT: 8.07 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU029389.D
 Acq: 11 Feb 2019 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00145

Tgt Ion:	97	Resp:	10505
Ion	Ratio	Lower	Upper
97	100		
99	57.9	45.7	84.9
83	85.2	60.2	111.8
85	52.9	37.7	70.1

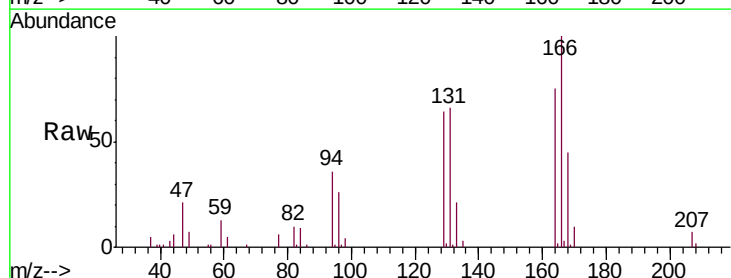


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

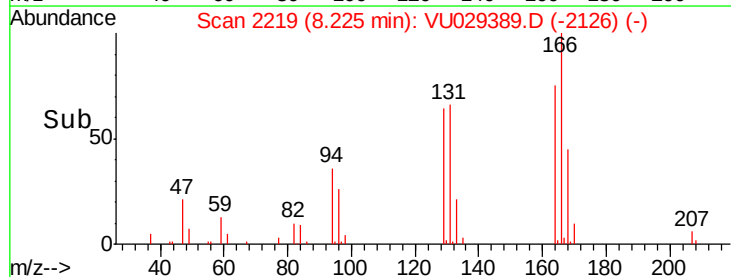
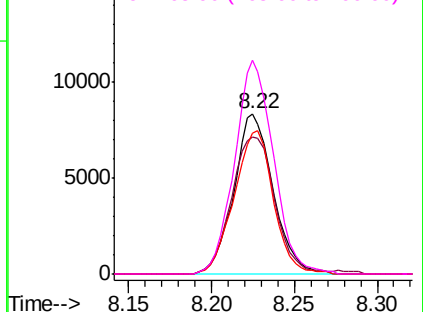


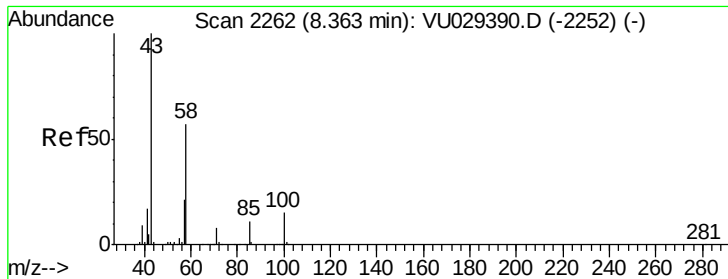
#47
 Tetrachloroethene
 Concen: 0.908 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU029389.D
 Acq: 11 Feb 2019 10:56

Tgt Ion:	164	Resp:	13794
Ion	Ratio	Lower	Upper
164	100		
129	85.8	63.4	117.8
131	87.9	62.2	115.4
166	133.1	90.4	168.0



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

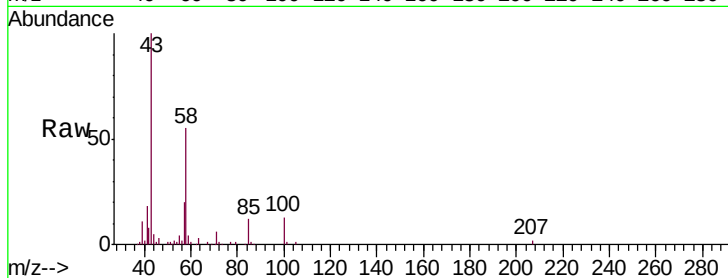




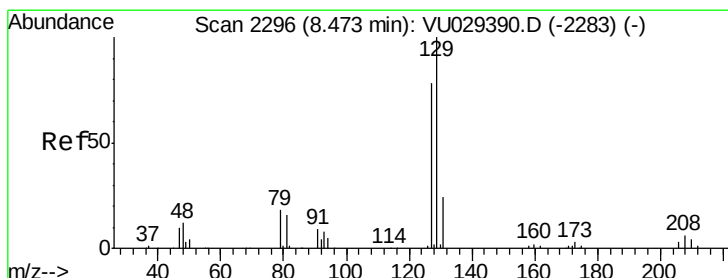
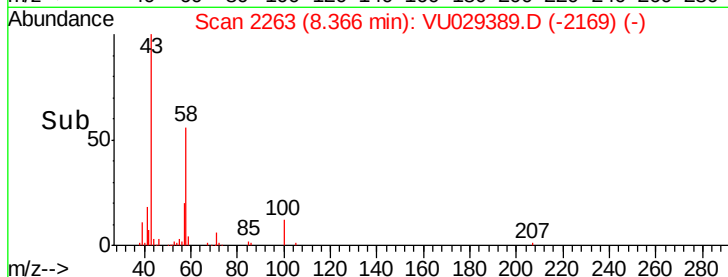
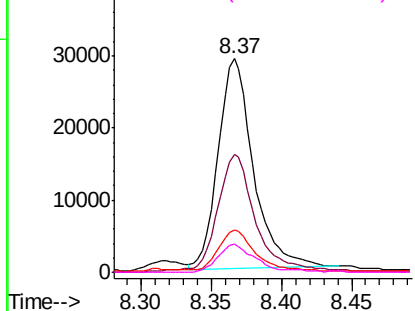
#48
2-Hexanone
Concen: 7.061 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU029389.D
Acq: 11 Feb 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD00145

Tgt Ion:	43	Resp:	50840
Ion	Ratio	Lower	Upper
43	100		
58	61.1	45.8	68.6
57	20.5	16.4	24.6
100	13.3	11.4	17.0

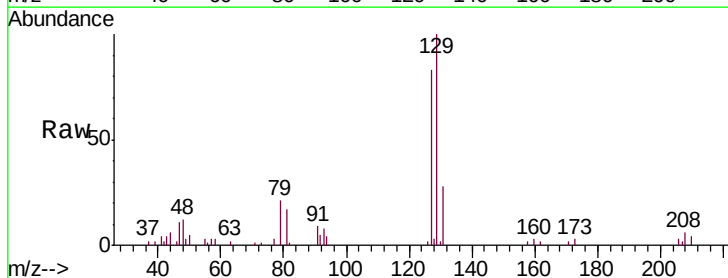


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

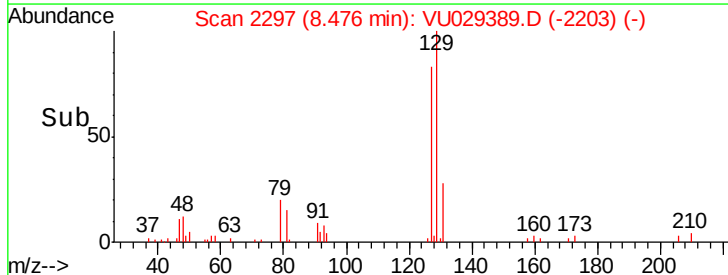
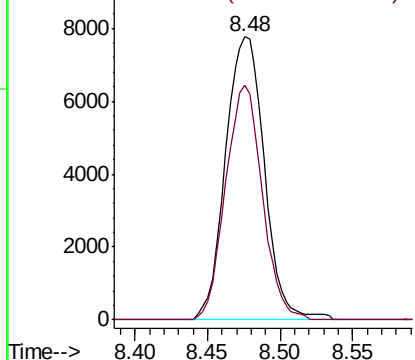


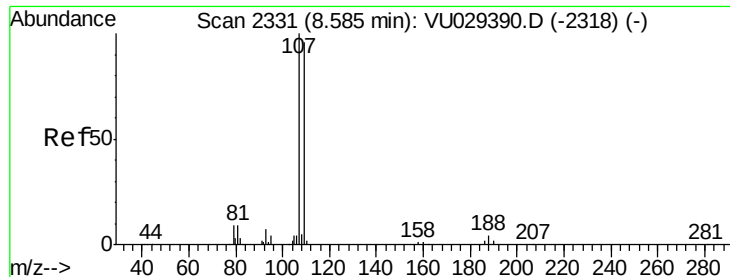
#49
Dibromochloromethane
Concen: 0.933 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU029389.D
Acq: 11 Feb 2019 10:56

Tgt Ion:	129	Resp:	14446
Ion	Ratio	Lower	Upper
129	100		
127	83.1	54.8	101.8



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

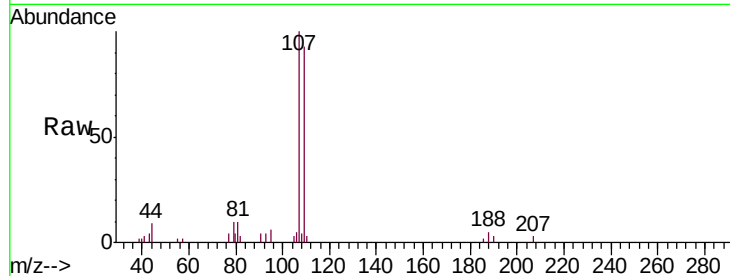




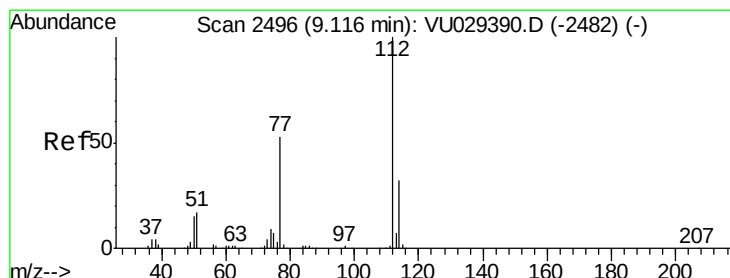
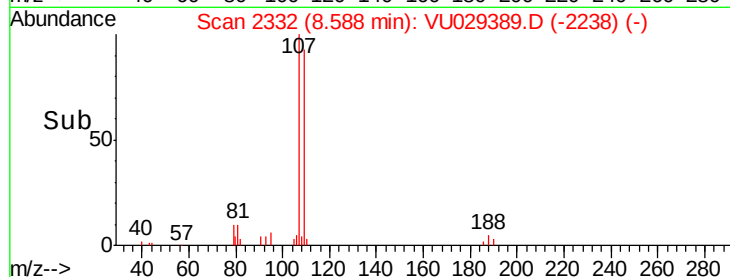
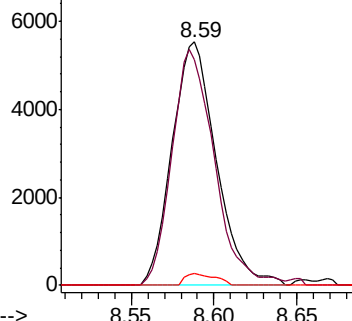
#50
1,2-Dibromoethane
Concen: 0.868 ug/L
RT: 8.59 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU029389.D
Acq: 11 Feb 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD00145

Tgt Ion:107 Resp: 10270
Ion Ratio Lower Upper
107 100
109 92.9 67.1 124.5
188 5.0 3.4 5.2

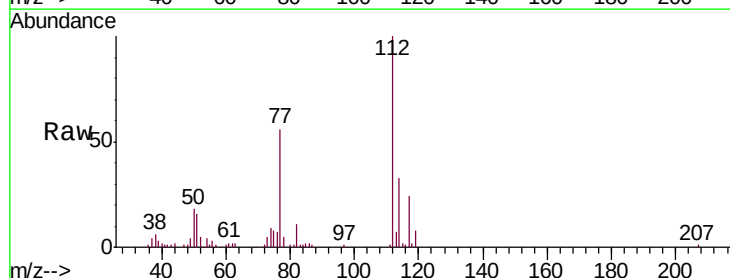


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

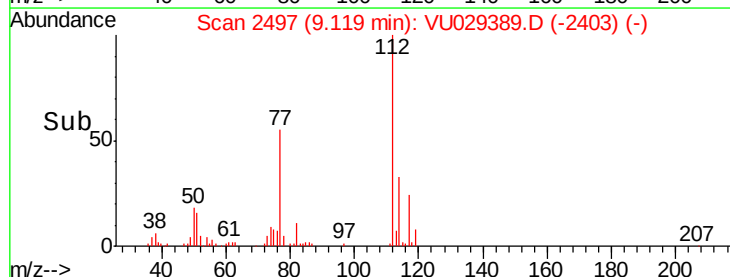
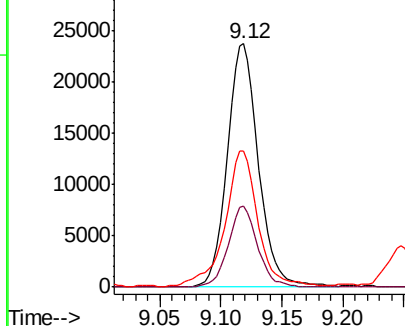


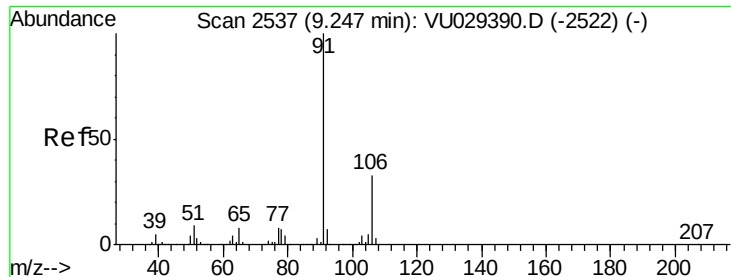
#51
Chlorobenzene
Concen: 0.919 ug/L
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029389.D
Acq: 11 Feb 2019 10:56

Tgt Ion:112 Resp: 42472
Ion Ratio Lower Upper
112 100
114 33.1 22.3 41.5
77 56.0 42.6 63.8



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): V





#52

Ethylbenzene

Concen: 0.899 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029389.D

Acq: 11 Feb 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

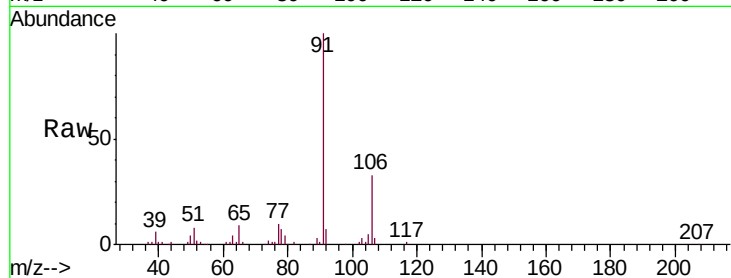
VSTD00145

Tgt Ion: 91 Resp: 69081

Ion Ratio Lower Upper

91 100

106 32.6 23.0 42.8



Abundance Ion 91.15 (90.85 to 91.85): VU029389.D (-2444) (-)

Ion 106.15 (105.85 to 106.85): VU029389.D (-2444) (-)

9.25

40000

30000

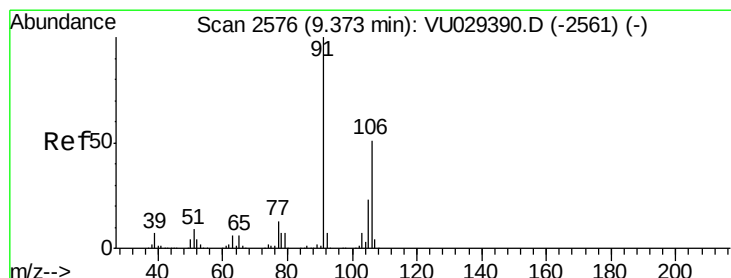
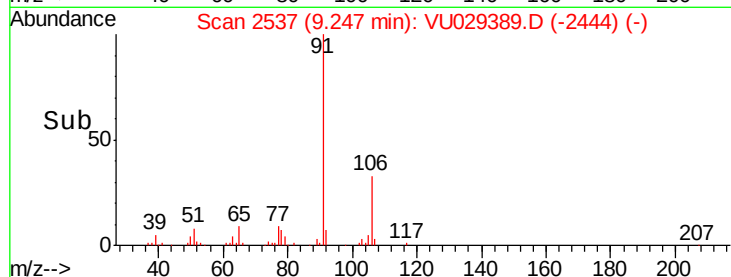
20000

10000

0

9.20 9.25 9.30

Time-->



#53

m,p-xylene

Concen: 0.924 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU029389.D

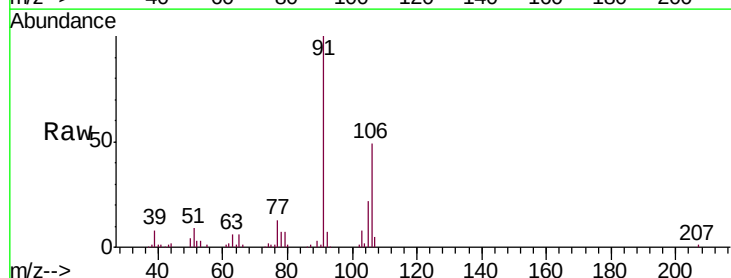
Acq: 11 Feb 2019 10:56

Tgt Ion: 106 Resp: 27157

Ion Ratio Lower Upper

106 100

91 205.8 138.4 257.0



Abundance Ion 106.15 (105.85 to 106.85): VU029389.D (-2483) (-)

Ion 91.15 (90.85 to 91.85): VU029389.D (-2483) (-)

9.38

30000

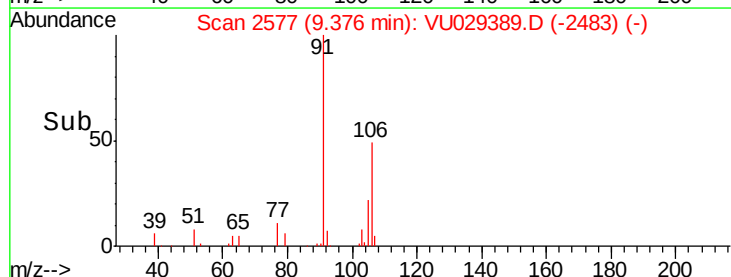
20000

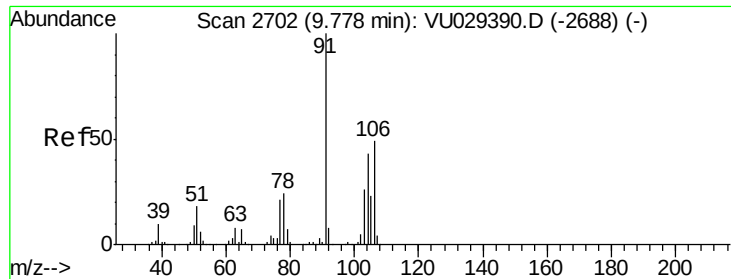
10000

0

9.30 9.35 9.40 9.45

Time-->





#54

o-xylene

Concen: 0.939 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VU029389.D

Acq: 11 Feb 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

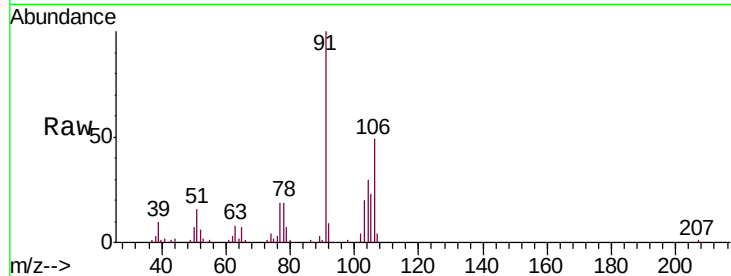
VSTD00145

Tgt Ion:106 Resp: 26483

Ion Ratio Lower Upper

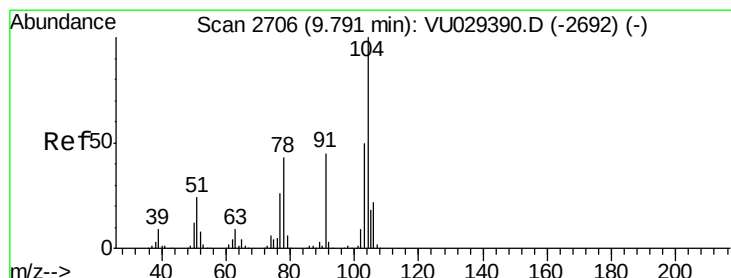
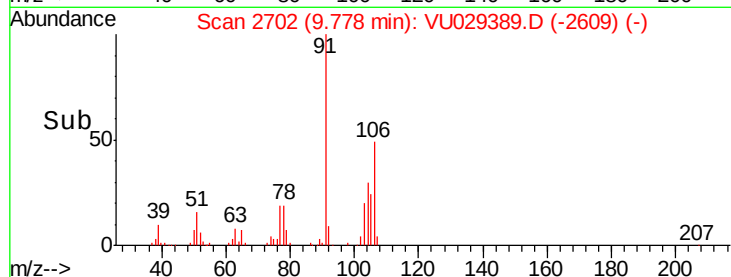
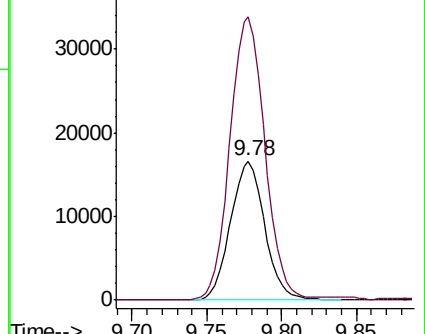
106 100

91 203.8 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.879 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VU029389.D

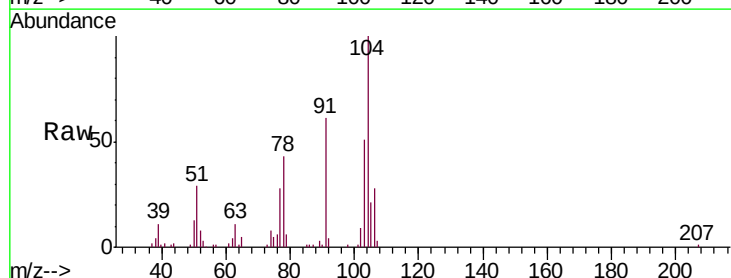
Acq: 11 Feb 2019 10:56

Tgt Ion:104 Resp: 42510

Ion Ratio Lower Upper

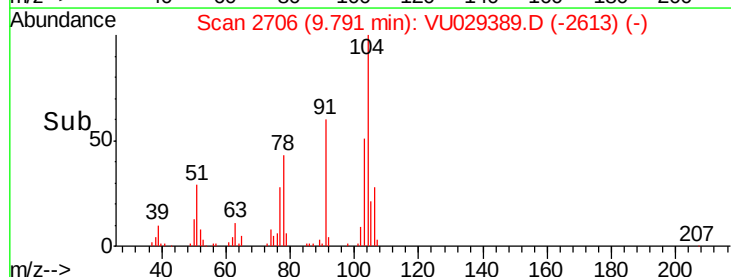
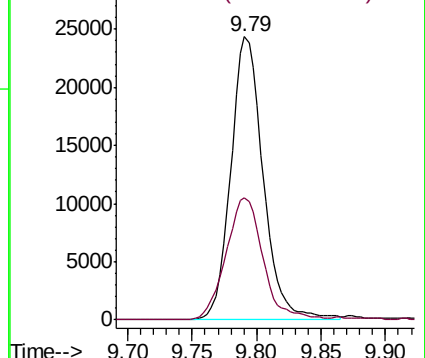
104 100

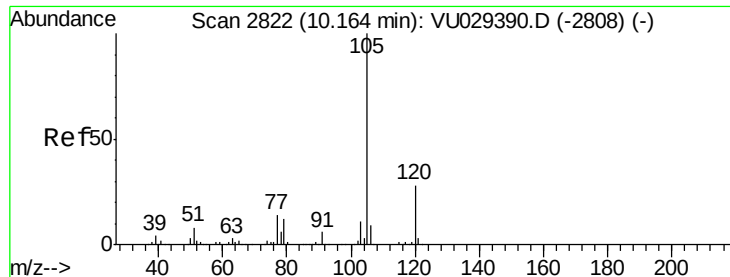
78 43.3 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.912 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029389.D

Acq: 11 Feb 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00145

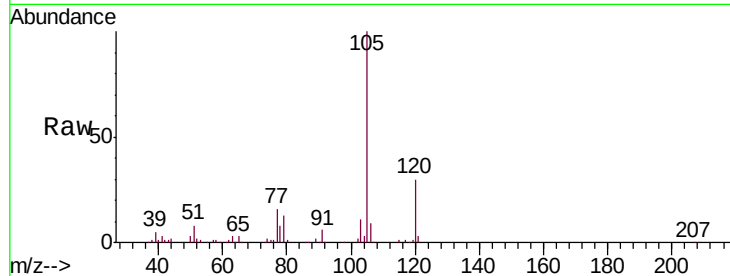
Tgt Ion:105 Resp: 69096

Ion Ratio Lower Upper

105 100

120 28.1 22.2 33.4

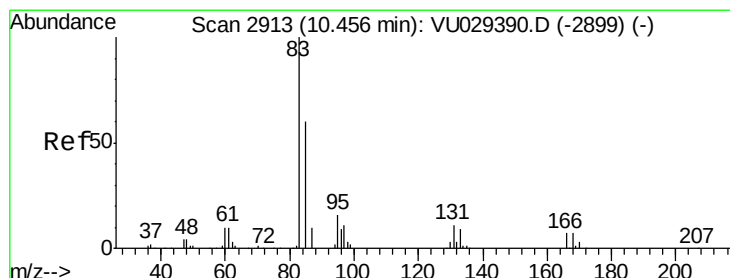
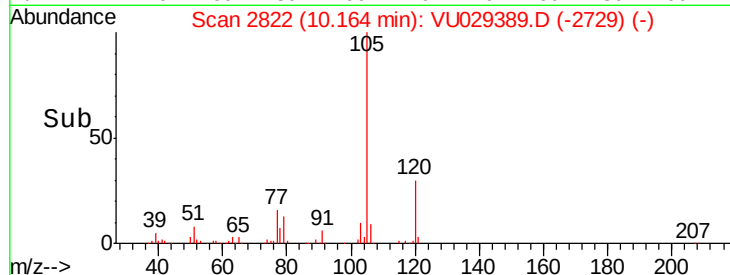
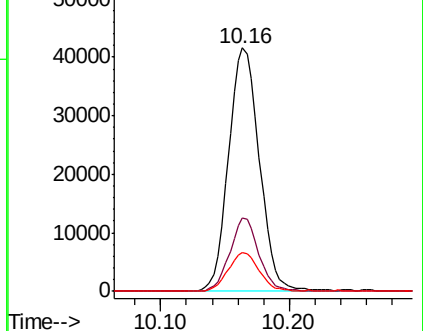
77 16.1 11.7 17.5



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: 0.818 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VU029389.D

Acq: 11 Feb 2019 10:56

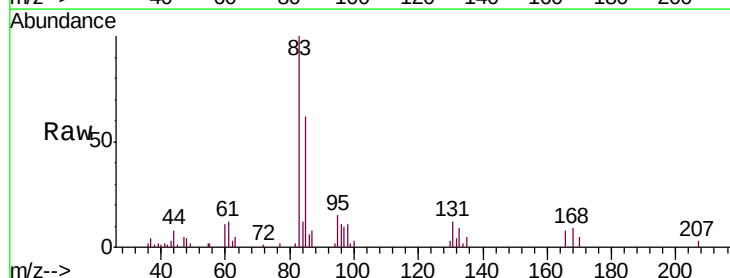
Tgt Ion: 83 Resp: 12967

Ion Ratio Lower Upper

83 100

85 62.2 42.1 78.1

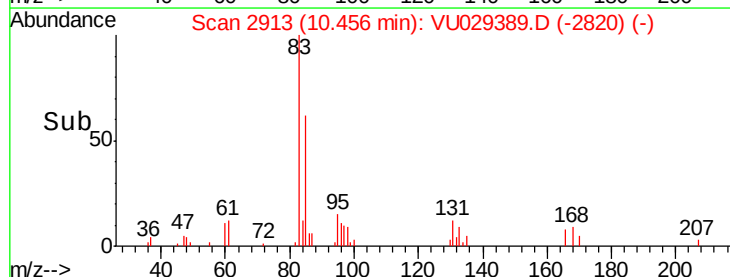
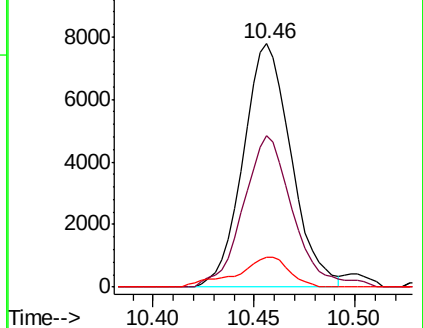
131 12.4 8.6 13.0

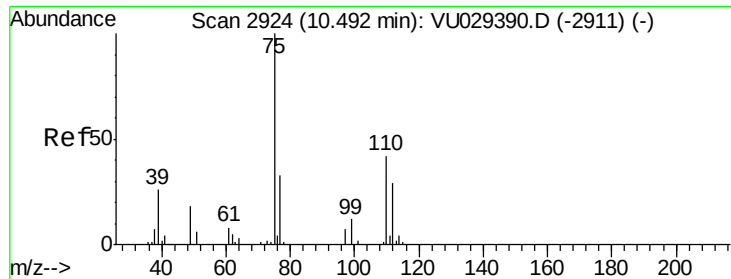


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.752 ug/L

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU029389.D

Acq: 11 Feb 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

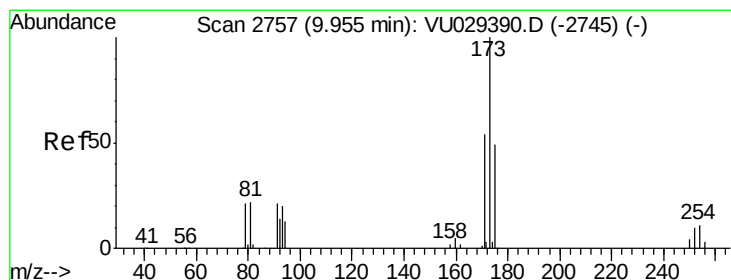
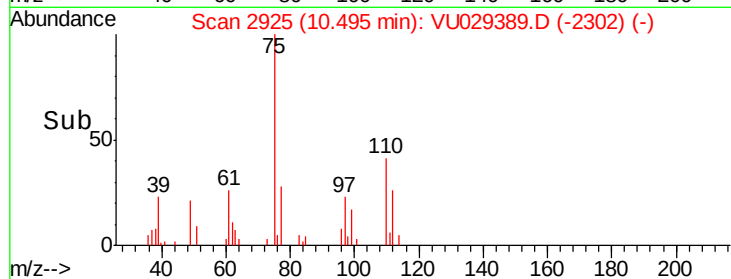
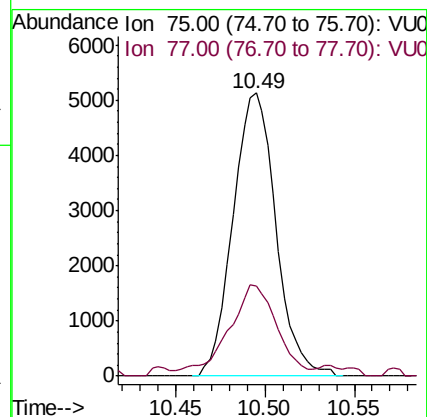
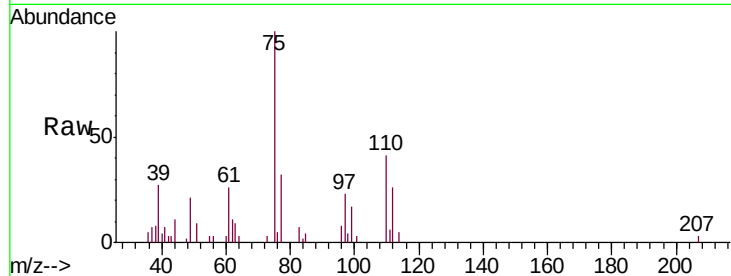
VSTD00145

Tgt Ion: 75 Resp: 8593

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6



#61

Bromoform

Concen: 0.946 ug/L

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU029389.D

Acq: 11 Feb 2019 10:56

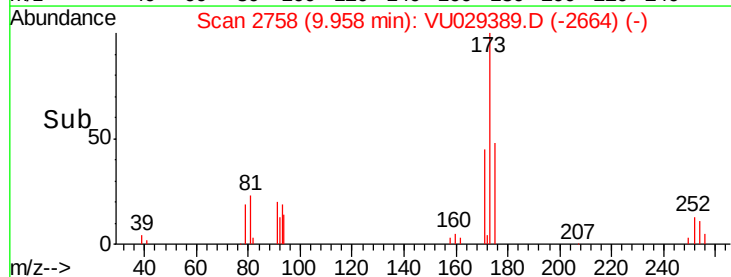
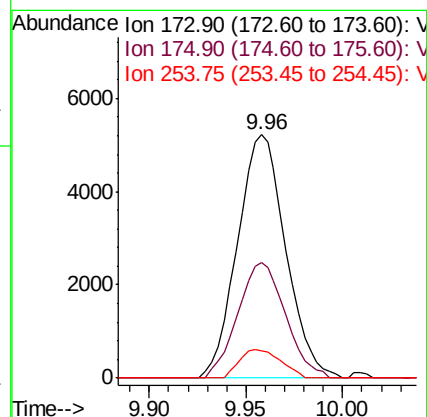
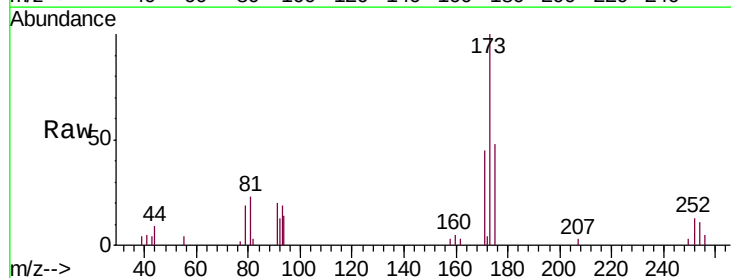
Tgt Ion: 173 Resp: 9024

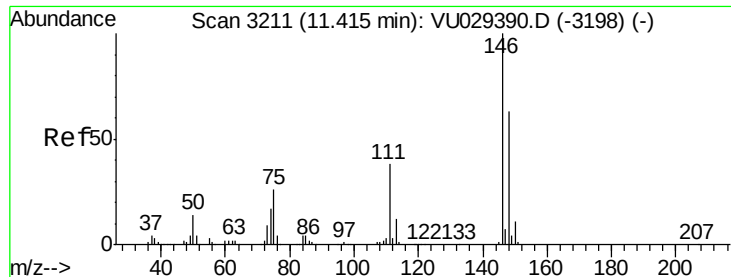
Ion Ratio Lower Upper

173 100

175 46.9 38.9 58.3

254 10.1 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 0.929 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU029389.D

Acq: 11 Feb 2019 10:56

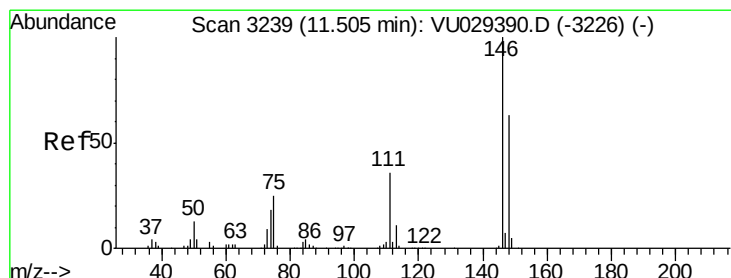
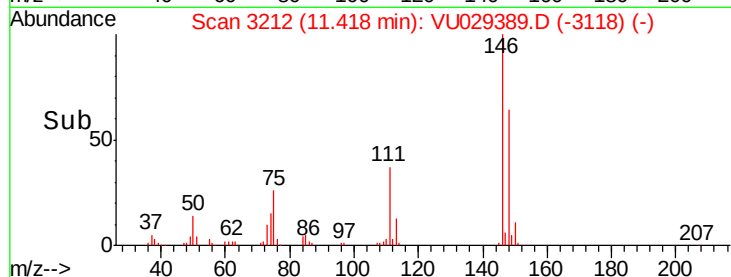
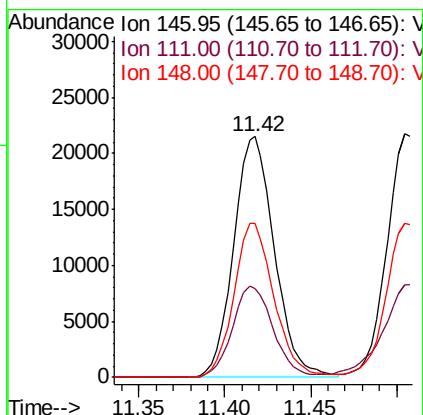
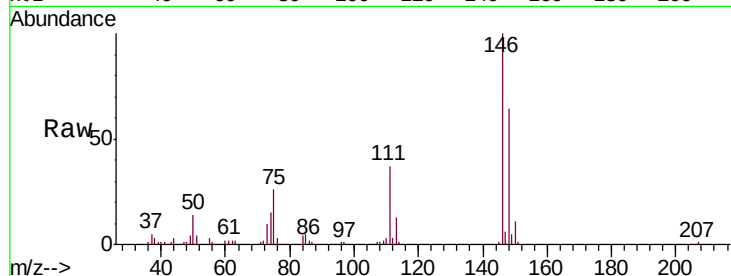
Instrument :

MSVOA_U

ClientSampleId :

VSTD00145

Tgt Ion:	146	Resp:	35557
Ion	Ratio	Lower	Upper
146	100		
111	37.0	26.5	49.3
148	64.2	43.9	81.5



#63

1,4-Dichlorobenzene

Concen: 0.907 ug/L

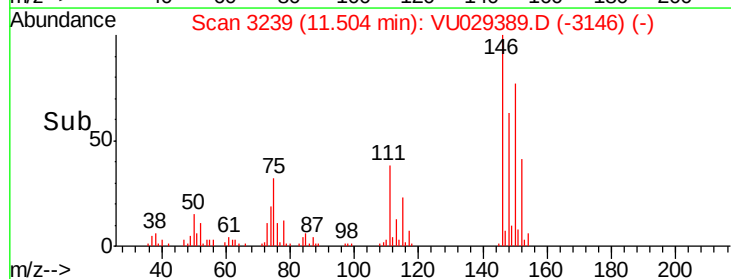
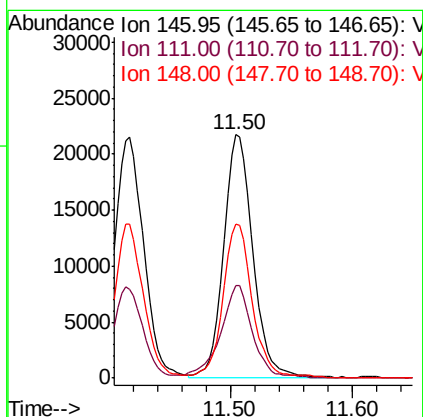
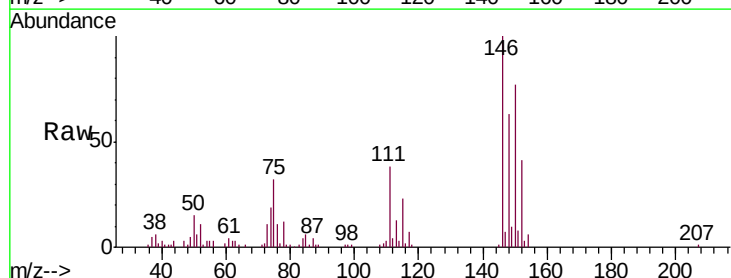
RT: 11.50 min Scan# 3239

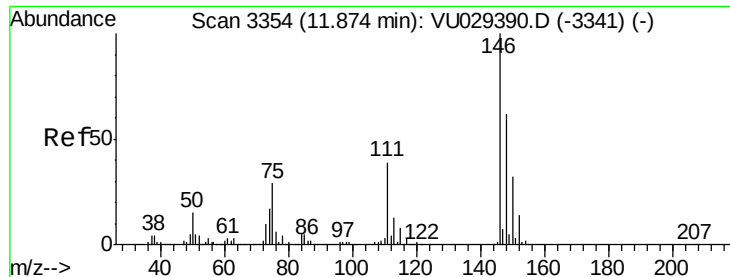
Delta R.T. -0.00 min

Lab File: VU029389.D

Acq: 11 Feb 2019 10:56

Tgt Ion:	146	Resp:	36777
Ion	Ratio	Lower	Upper
146	100		
111	37.9	25.1	46.5
148	63.2	44.0	81.8

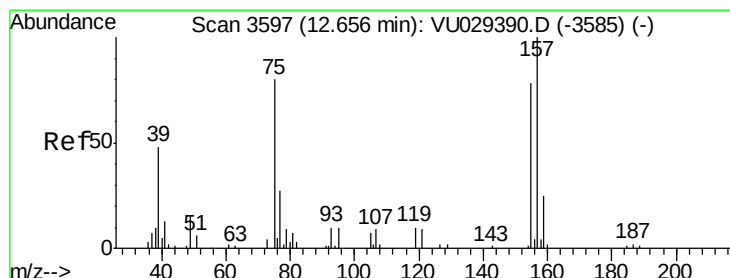
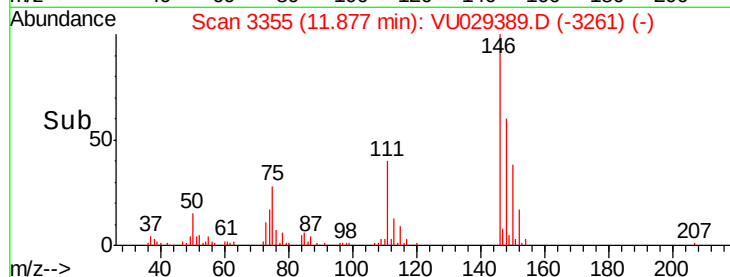
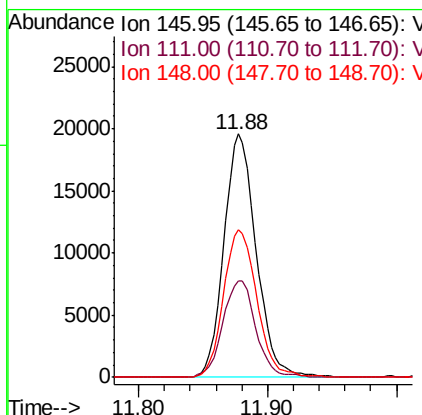
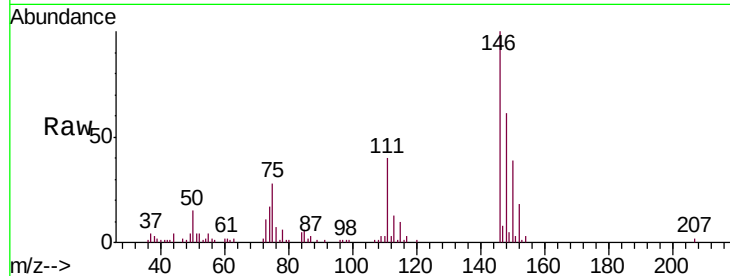




#65
 1,2-Dichlorobenzene
 Concen: 0.911 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029389.D
 Acq: 11 Feb 2019 10:56

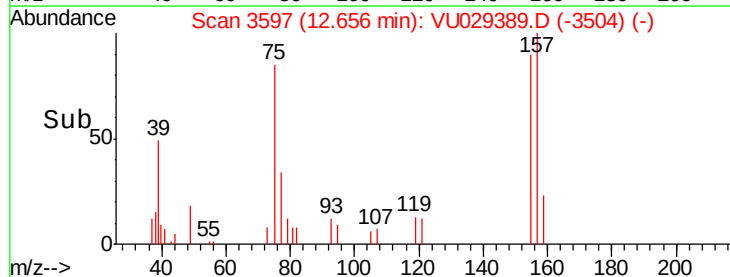
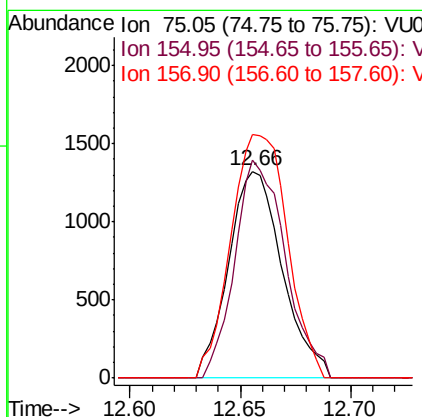
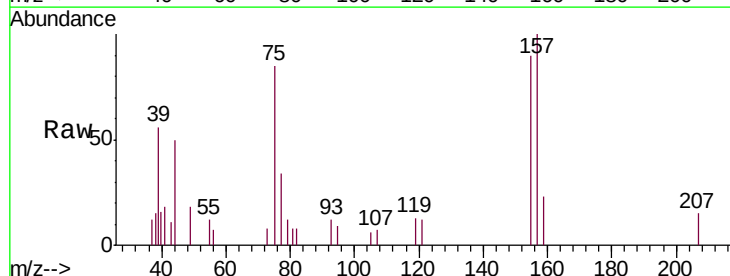
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00145

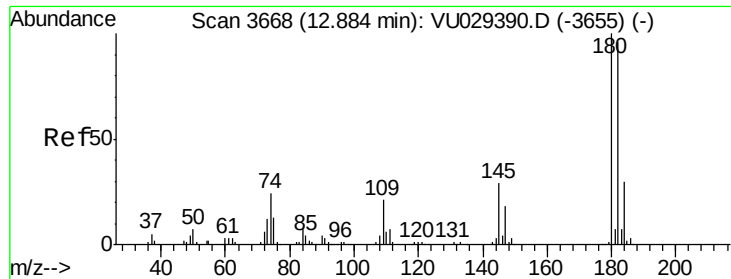
Tgt Ion:146 Resp: 33931
 Ion Ratio Lower Upper
 146 100
 111 39.5 31.0 46.6
 148 60.7 49.4 74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.861 ug/L
 RT: 12.66 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VU029389.D
 Acq: 11 Feb 2019 10:56

Tgt Ion: 75 Resp: 2243
 Ion Ratio Lower Upper
 75 100
 155 105.7 78.4 117.6
 157 117.9 100.2 150.4

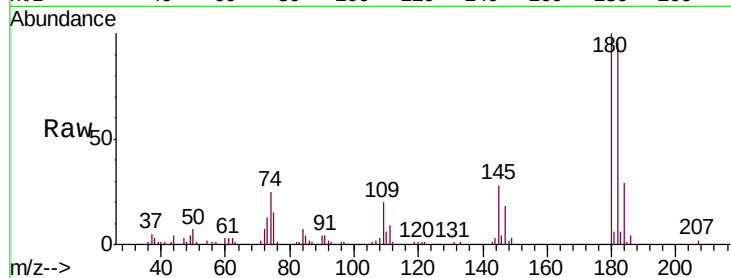




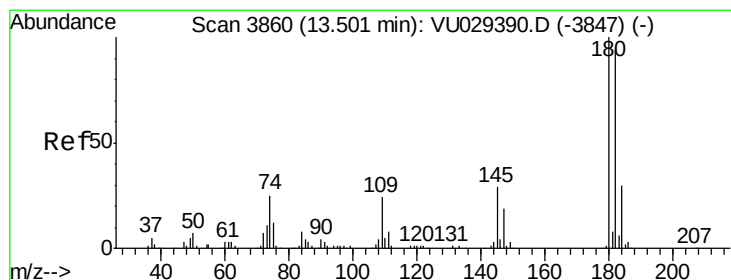
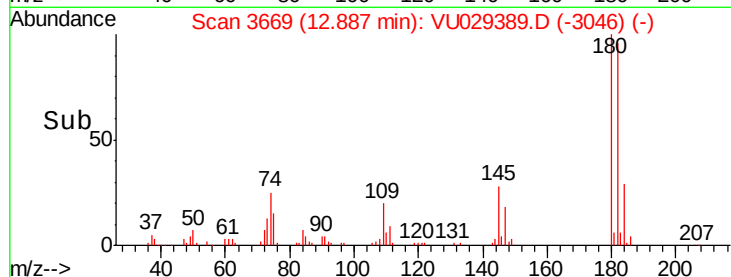
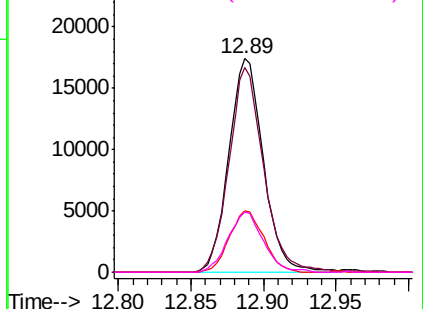
#67
 1,3,5-Trichlorobenzene
 Concen: 0.896 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.00 min
 Lab File: VU029389.D
 Acq: 11 Feb 2019 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00145

Tgt Ion:180 Resp: 28764
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.8 116.6
 184 28.6 24.6 37.0
 145 28.5 23.0 34.4

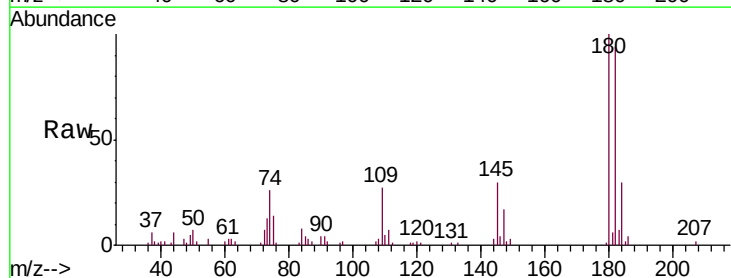


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

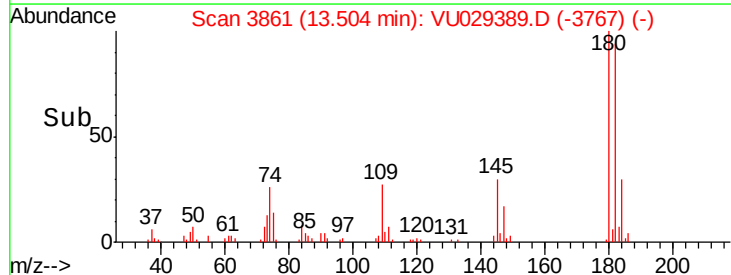
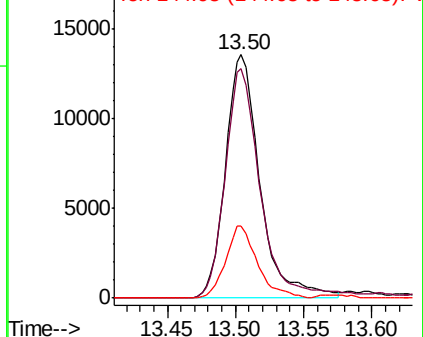


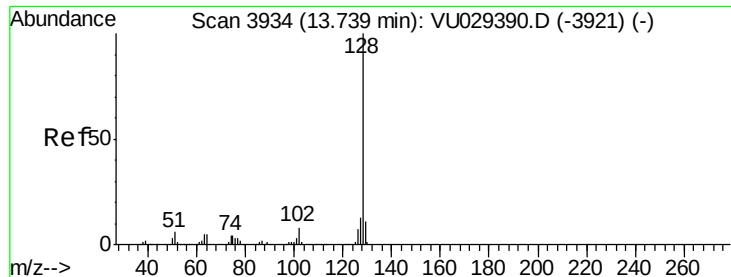
#68
 1,2,4-trichlorobenzene
 Concen: 0.876 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.00 min
 Lab File: VU029389.D
 Acq: 11 Feb 2019 10:56

Tgt Ion:180 Resp: 23847
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.4 114.6
 145 27.2 23.4 35.2



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: 0.787 ug/L

RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

Lab File: VU029389.D

Acq: 11 Feb 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00145

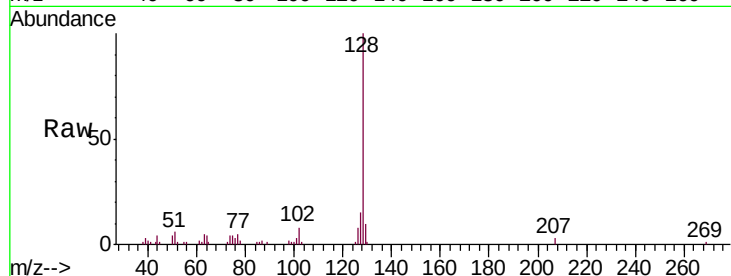
Tgt Ion:128 Resp: 34043

Ion Ratio Lower Upper

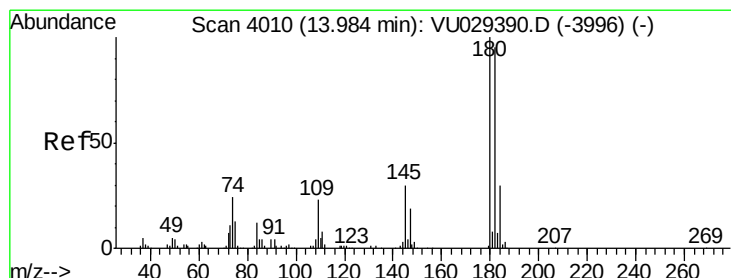
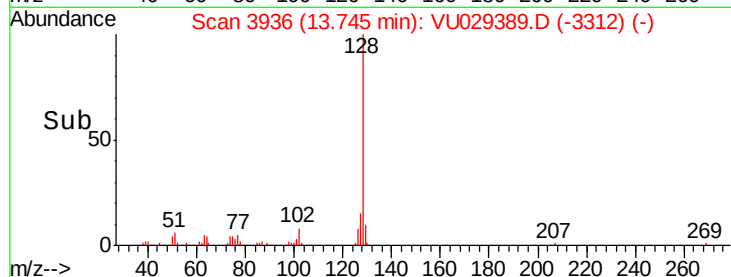
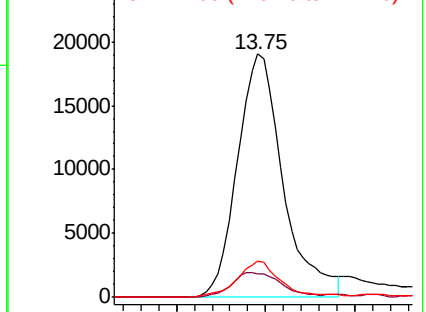
128 100

129 10.9 8.2 12.4

127 14.3 10.2 15.4



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: 0.857 ug/L

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU029389.D

Acq: 11 Feb 2019 10:56

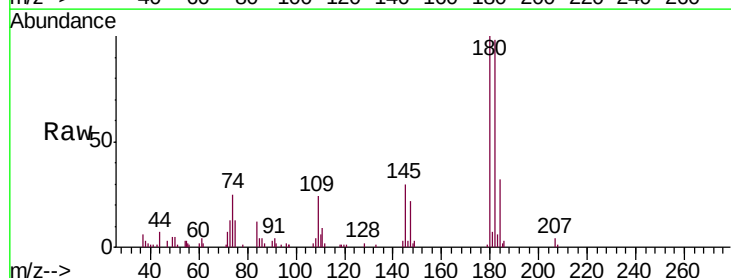
Tgt Ion:180 Resp: 21489

Ion Ratio Lower Upper

180 100

182 100.1 75.2 112.8

145 30.4 23.7 35.5



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

