

Data File : VU029414.D
Acq On : 12 Feb 2019 12:34
Operator : JC/SP
Sample : VSTD00146
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00146

Quant Time: Feb 13 02:58:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 13 02:55:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	212484	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	195908	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	106162	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	13167	0.86	ug/L	0.00
7) Chloroethane-d5	1.68	69	11812	0.94	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	27710	0.89	ug/L	0.00
20) 2-Butanone-d5	4.21	46	27279	9.71	ug/L	0.00
24) Chloroform-d	4.65	84	19307	0.83	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	11293	0.92	ug/L	0.00
32) Benzene-d6	5.34	84	43388	0.91	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	12419	0.88	ug/L	0.00
41) Toluene-d8	7.56	98	42766	0.91	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	5516	0.85	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	25027	8.93	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	10839	0.91	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	18160	0.94	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	18741	1.087 ug/L	98
3) Chloromethane	1.32	50	17565	1.082 ug/L	99
5) Vinyl chloride	1.40	62	20181	1.100 ug/L	99
6) Bromomethane	1.63	94	11201	0.866 ug/L	98
8) Chloroethane	1.70	64	14819	1.276 ug/L	90
9) Trichlorofluoromethane	1.89	101	30545	1.084 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	18309	1.091 ug/L	99
12) 1,1-Dichloroethene	2.29	96	17351	1.098 ug/L	95
13) Acetone	2.34	43	26736	11.470 ug/L	96
14) Carbon disulfide	2.48	76	57778	1.087 ug/L	99
15) Methyl Acetate	2.63	43	7314	1.145 ug/L	97
16) Methylene chloride	2.70	84	19952	1.147 ug/L	93
17) Methyl tert-butyl Ether	3.00	73	44490	1.120 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	18668	1.090 ug/L	95
19) 1,1-Dichloroethane	3.44	63	31418	1.259 ug/L	94
21) 2-Butanone	4.29	43	32608	11.382 ug/L	98
22) cis-1,2-Dichloroethene	4.23	96	16586	1.076 ug/L	98
23) Bromochloromethane	4.55	128	7753	1.107 ug/L	96
25) Chloroform	4.68	83	29216	1.167 ug/L	98
27) 1,2-Dichloroethane	5.41	62	16197	1.108 ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	24916	1.132 ug/L	98
30) Cyclohexane	4.99	56	24180	1.151 ug/L	100
31) Carbon tetrachloride	5.13	117	21524	1.068 ug/L	98
33) Benzene	5.39	78	58886	1.151 ug/L	100
34) Trichloroethene	6.18	95	16488	1.132 ug/L	98
35) Methylcyclohexane	6.41	83	27660	1.110 ug/L	99
37) 1,2-Dichloropropane	6.43	63	14789	1.137 ug/L	98
38) Bromodichloromethane	6.76	83	19305	1.095 ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	22181	1.063 ug/L	99
40) 4-Methyl-2-pentanone	7.47	43	84327	11.532 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	64512	1.106	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	18557	1.072	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	11227	1.113	ug/L	97
47) Tetrachloroethene	8.22	164	14766	1.092	ug/L	99
48) 2-Hexanone	8.37	43	60170	11.796	ug/L	98
49) Dibromochloromethane	8.48	129	14984	1.092	ug/L	96
50) 1,2-Dibromoethane	8.59	107	11090	1.132	ug/L	95
51) Chlorobenzene	9.12	112	45238	1.126	ug/L	96
52) Ethylbenzene	9.25	91	73842	1.114	ug/L	100
53) m,p-xylene	9.37	106	28664	1.085	ug/L	89
54) o-xylene	9.78	106	28279	1.097	ug/L	95
55) Styrene	9.79	104	45531	1.065	ug/L	99
56) Isopropylbenzene	10.16	105	74407	1.090	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	13611	1.102	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	9231	1.122	ug/L	100
61) Bromoform	9.96	173	8763	1.038	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	38308	1.145	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	38641	1.138	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	36046	1.149	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	2030	0.974	ug/L #	76
67) 1,3,5-Trichlorobenzene	12.89	180	30367	1.098	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	24712	1.029	ug/L	97
69) Naphthalene	13.74	128	42381	1.128	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	23884	1.095	ug/L	99

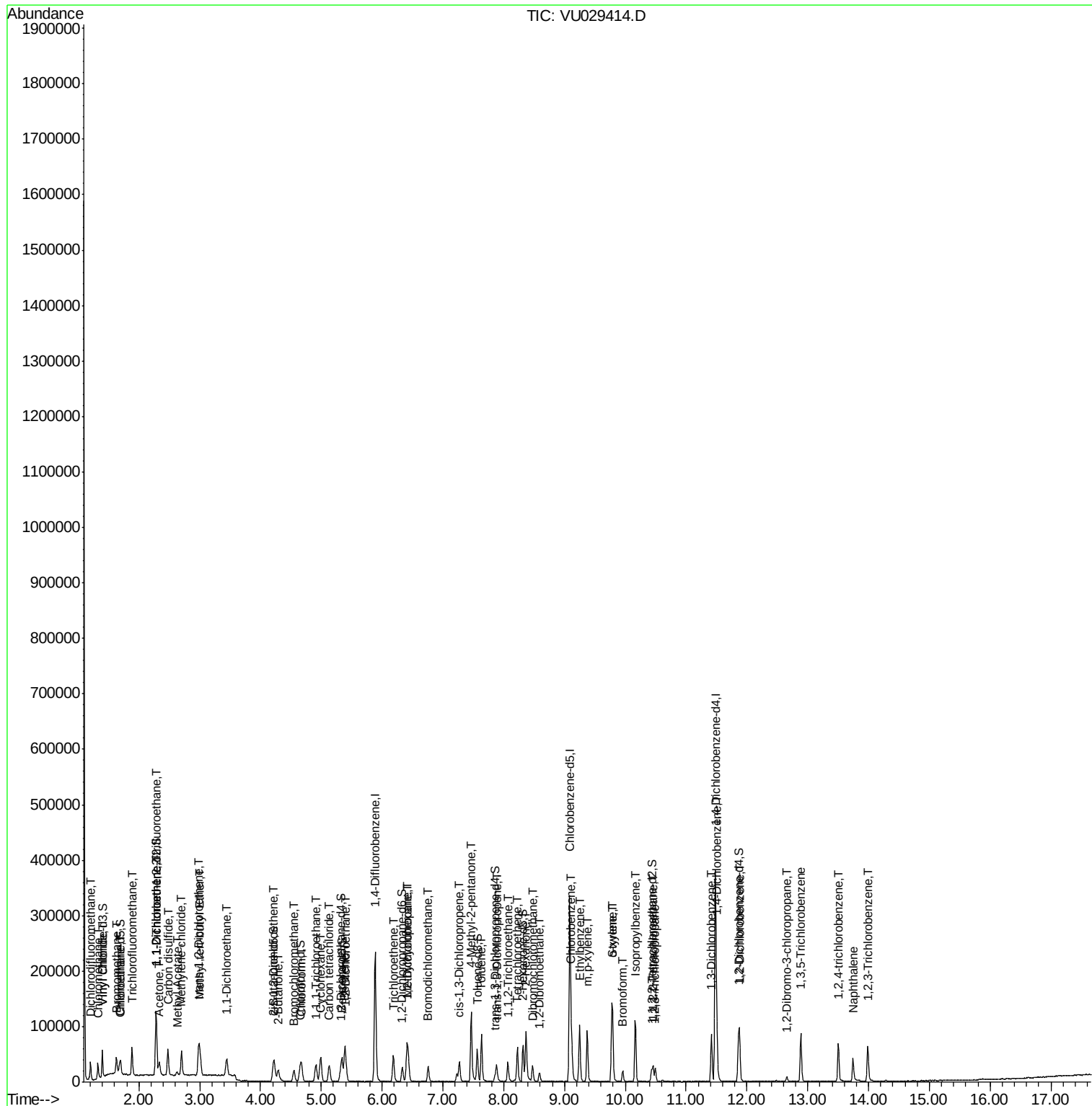
(#) = qualifier out of range (m) = manual integration (+) = signals summed

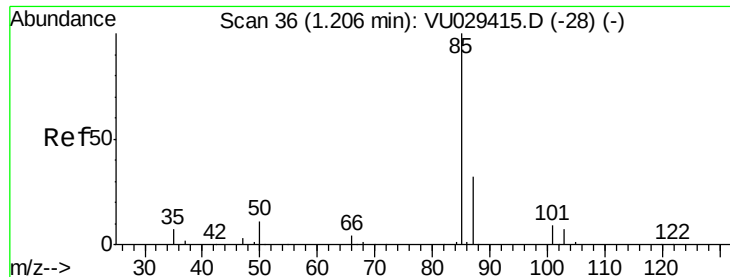
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#2

Dichlorodifluoromethane

Concen: 1.087 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU029414.D

Acq: 12 Feb 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

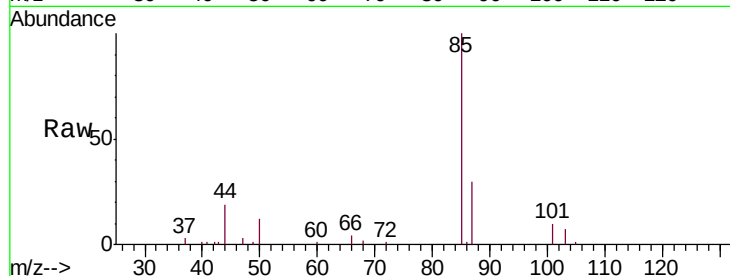
VSTD00146

Tgt Ion: 85 Resp: 18741

Ion Ratio Lower Upper

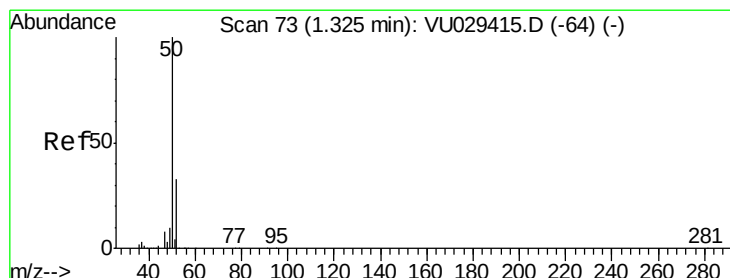
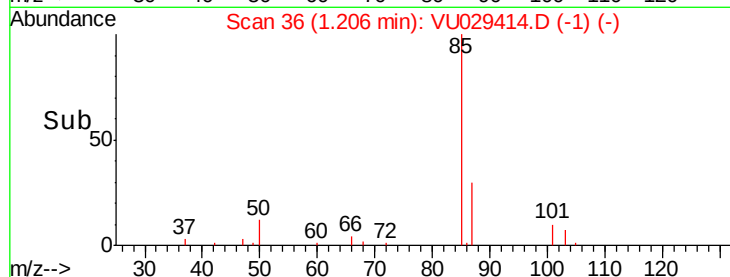
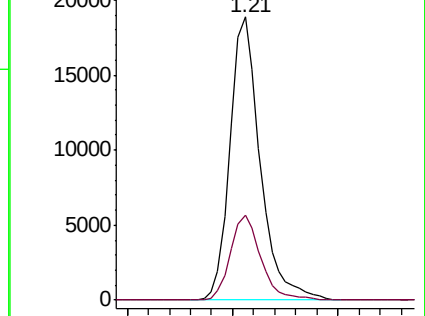
85 100

87 30.3 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 1.082 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029414.D

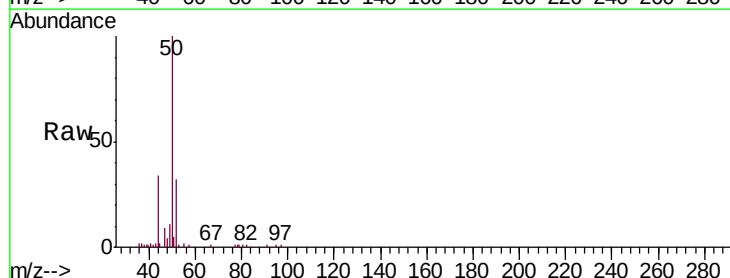
Acq: 12 Feb 2019 12:34

Tgt Ion: 50 Resp: 17565

Ion Ratio Lower Upper

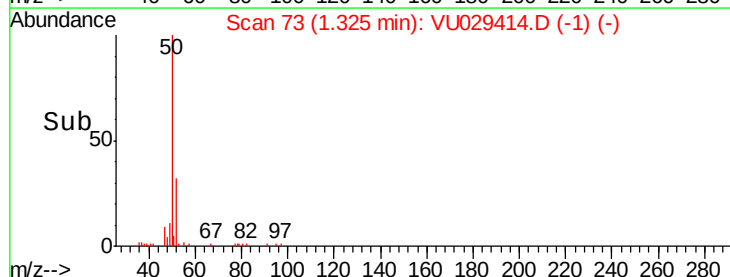
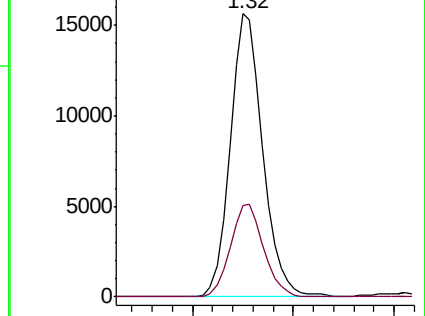
50 100

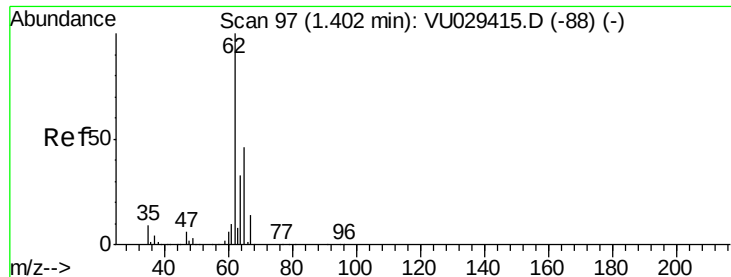
52 32.2 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 1.100 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029414.D

Acq: 12 Feb 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

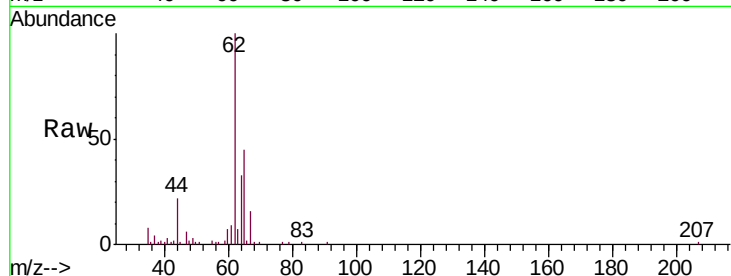
VSTD00146

Tgt Ion: 62 Resp: 20181

Ion Ratio Lower Upper

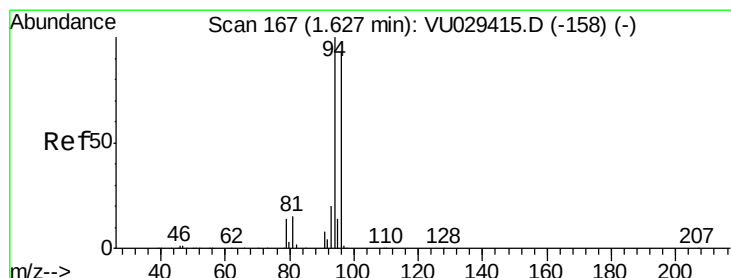
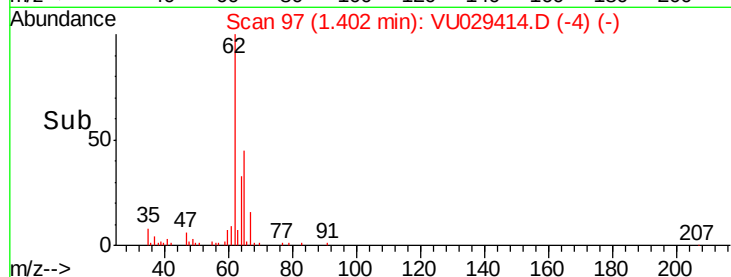
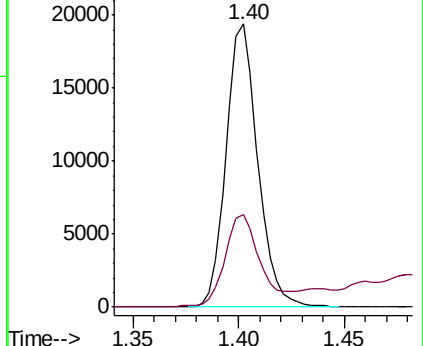
62 100

64 32.8 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.866 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU029414.D

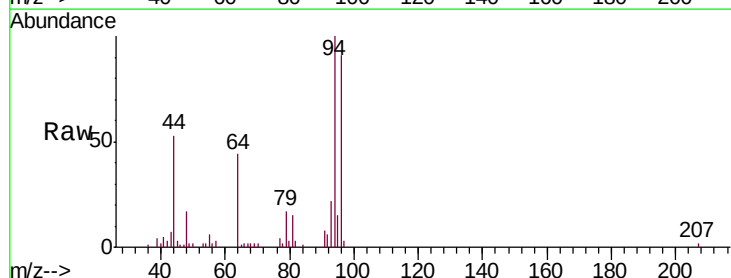
Acq: 12 Feb 2019 12:34

Tgt Ion: 94 Resp: 11201

Ion Ratio Lower Upper

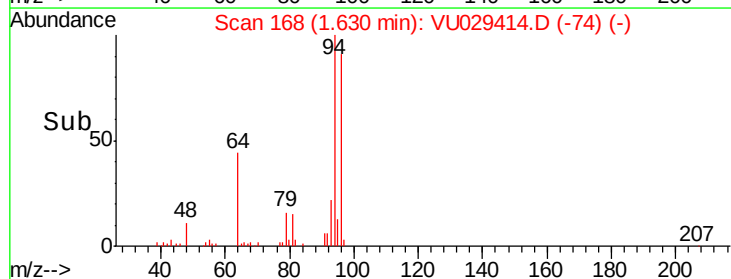
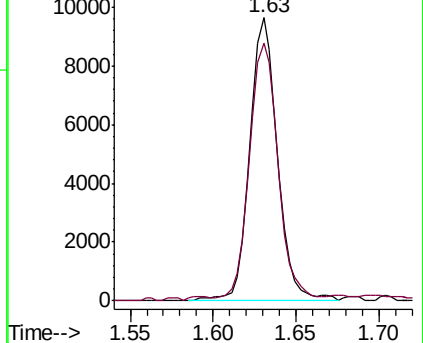
94 100

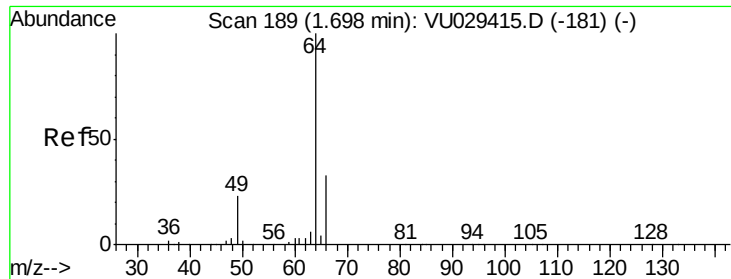
96 90.9 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 1.276 ug/L

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU029414.D

Acq: 12 Feb 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

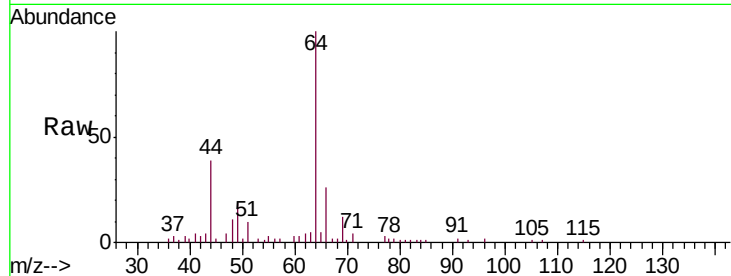
VSTD00146

Tgt Ion: 64 Resp: 14819

Ion Ratio Lower Upper

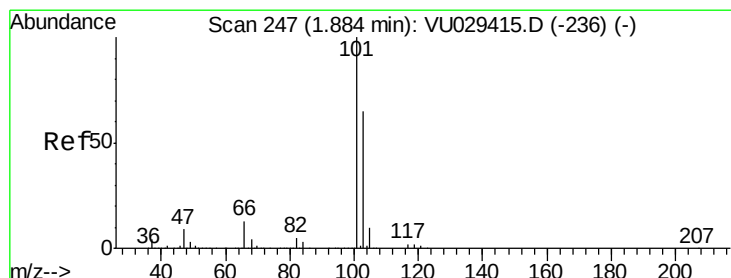
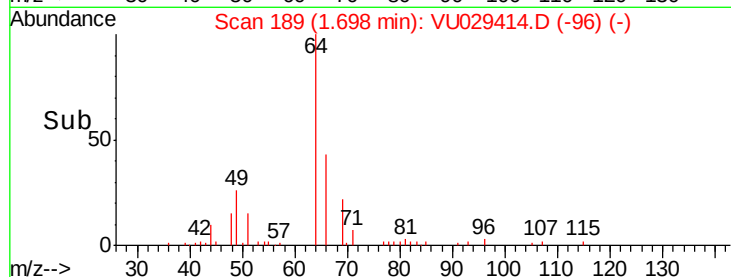
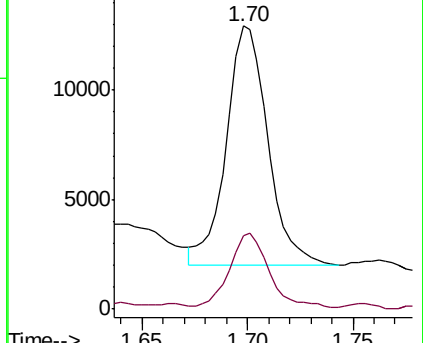
64 100

66 25.9 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VU029414.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU029414.D (-181) (-)



#9

Trichlorofluoromethane

Concen: 1.084 ug/L

RT: 1.89 min Scan# 248

Delta R.T. 0.00 min

Lab File: VU029414.D

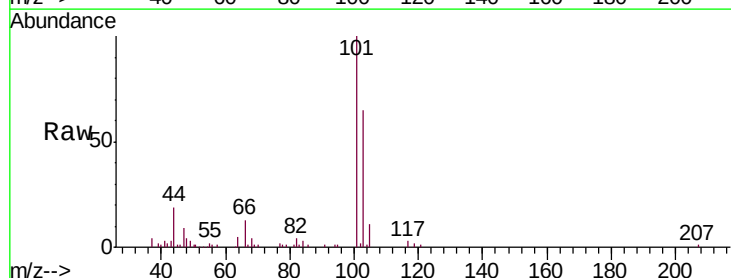
Acq: 12 Feb 2019 12:34

Tgt Ion: 101 Resp: 30545

Ion Ratio Lower Upper

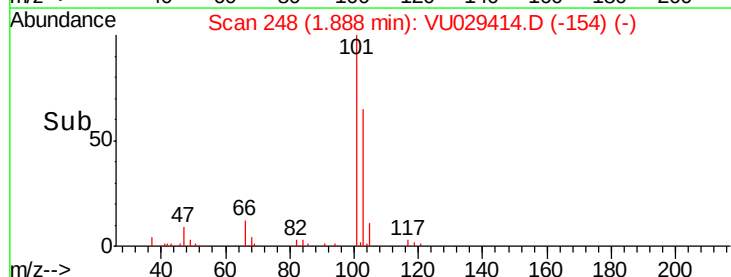
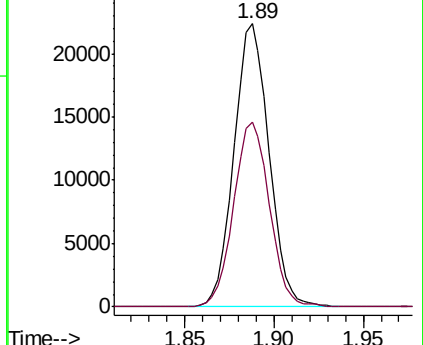
101 100

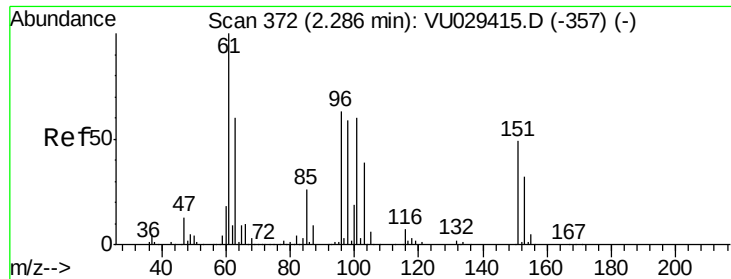
103 66.6 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VU029414.D (-236) (-)

Ion 103.00 (102.70 to 103.70): VU029414.D (-236) (-)





#10

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

Concen: 1.091 ug/L

RT: 2.29 min Scan# 373

Delta R.T. 0.00 min

Lab File: VU029414.D

Acq: 12 Feb 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00146

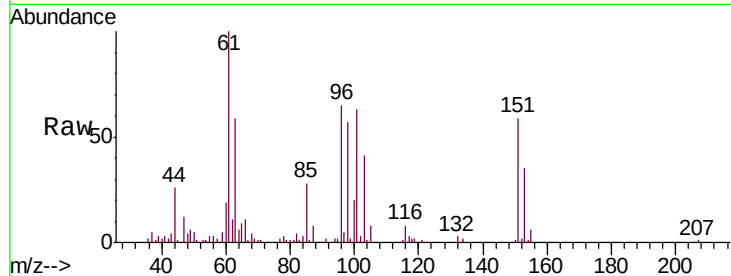
Tgt Ion: 101 Resp: 18309

Ion Ratio Lower Upper

101 100

85 44.4 35.1 52.7

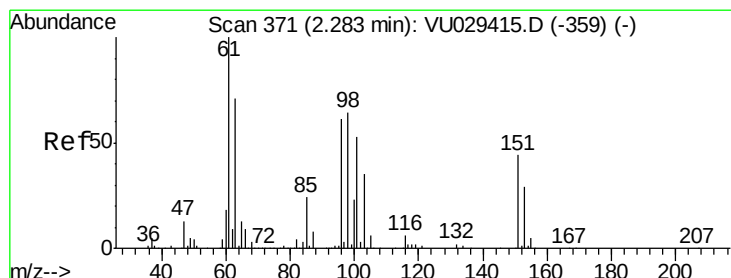
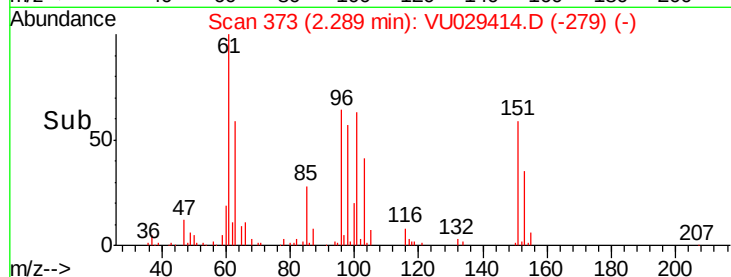
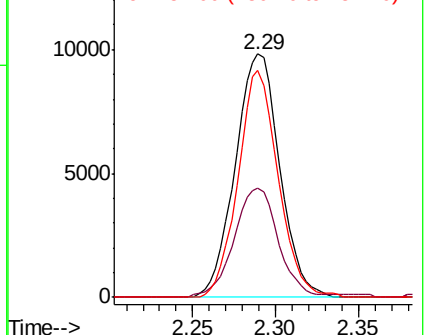
151 84.5 67.0 100.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.098 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029414.D

Acq: 12 Feb 2019 12:34

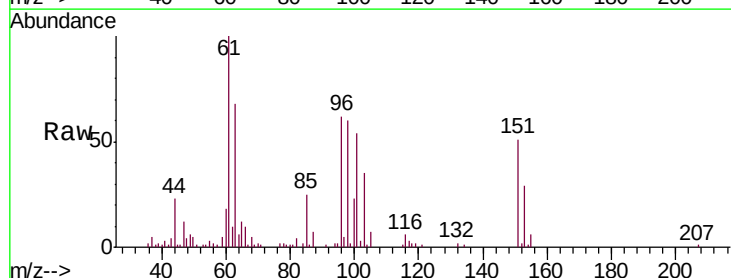
Tgt Ion: 96 Resp: 17351

Ion Ratio Lower Upper

96 100

61 161.0 115.1 213.7

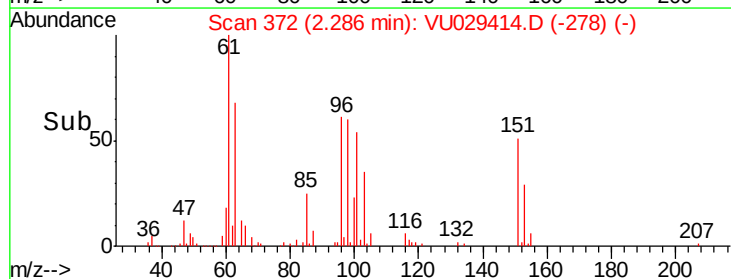
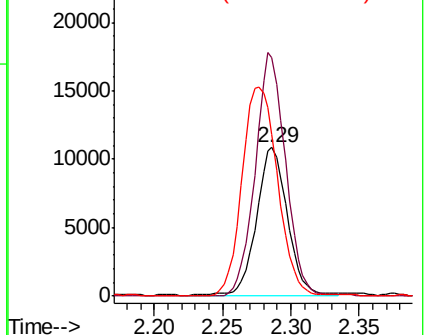
63 108.9 83.5 155.1

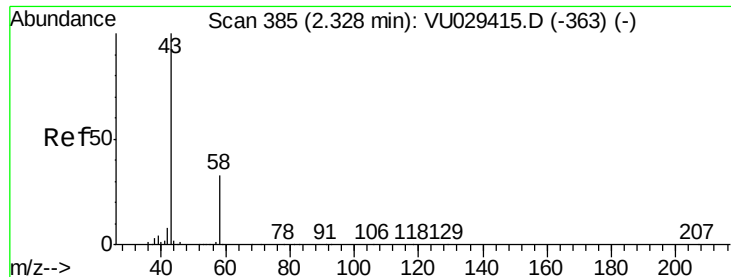


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 11.470 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.01 min

Lab File: VU029414.D

Acq: 12 Feb 2019 12:34

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ClientSampleId :

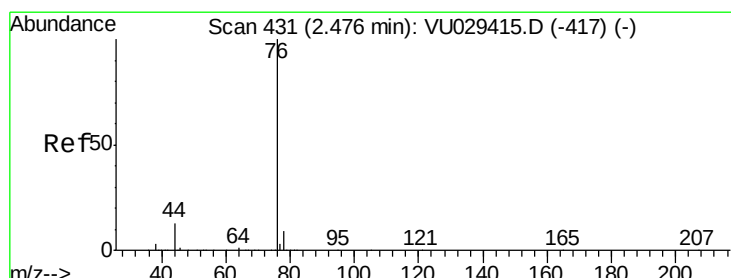
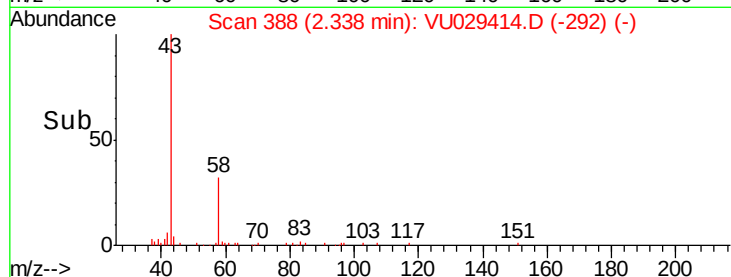
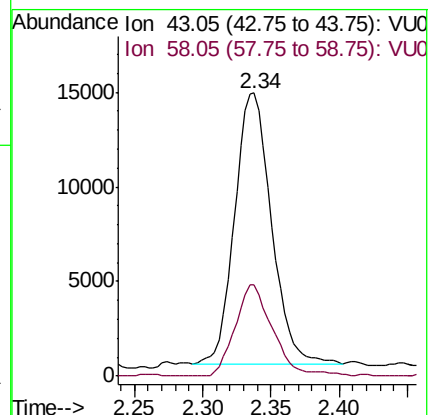
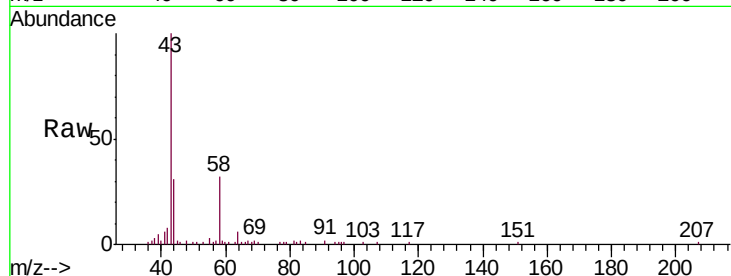
VSTD00146

Tgt Ion: 43 Resp: 26736

Ion Ratio Lower Upper

43 100

58 34.7 0.0 65.0



#14

Carbon disulfide

Concen: 1.087 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU029414.D

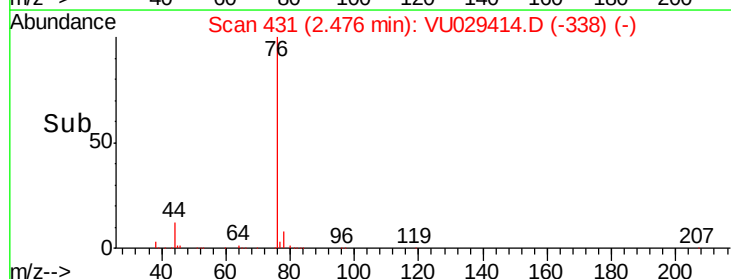
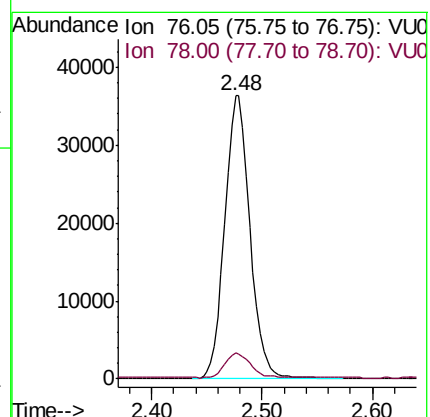
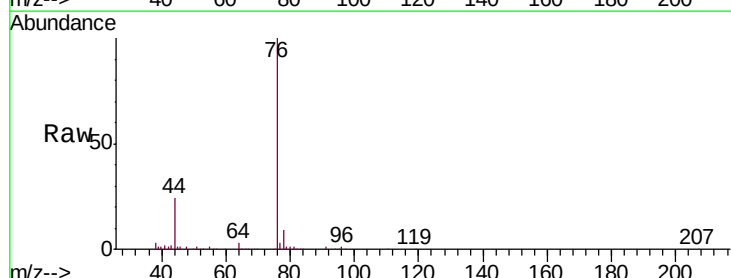
Acq: 12 Feb 2019 12:34

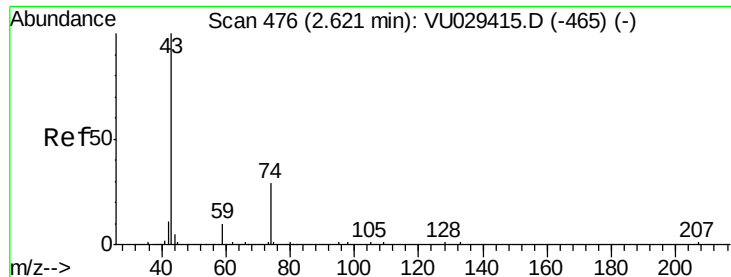
Tgt Ion: 76 Resp: 57778

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

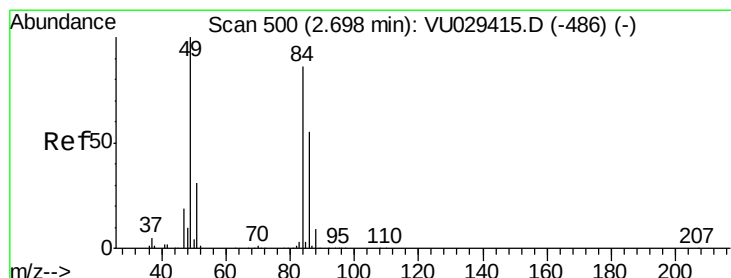
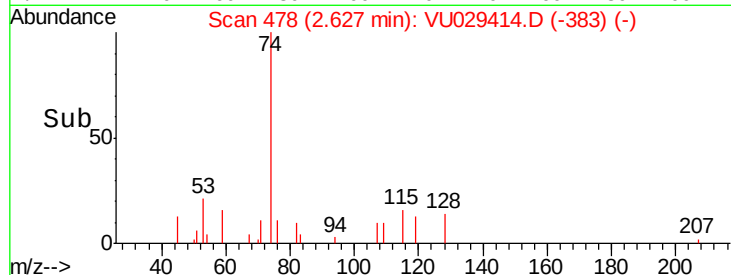
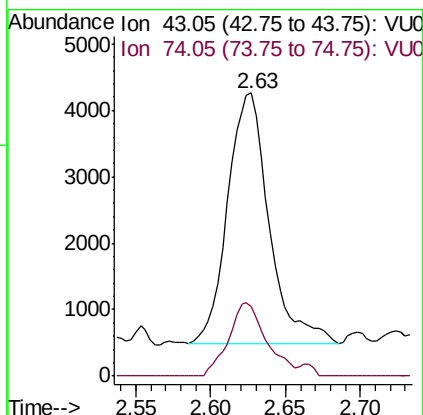
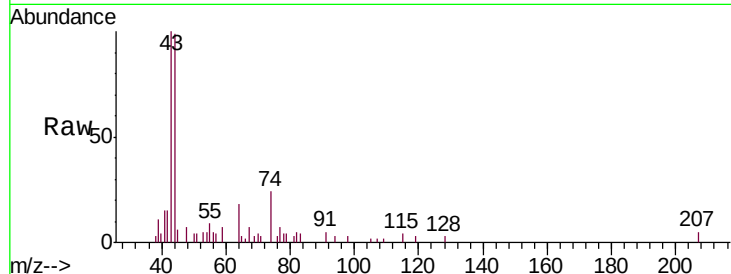




#15
Methyl Acetate
Concen: 1.145 ug/L
RT: 2.63 min Scan# 478
Delta R.T. 0.01 min
Lab File: VU029414.D
Acq: 12 Feb 2019 12:34

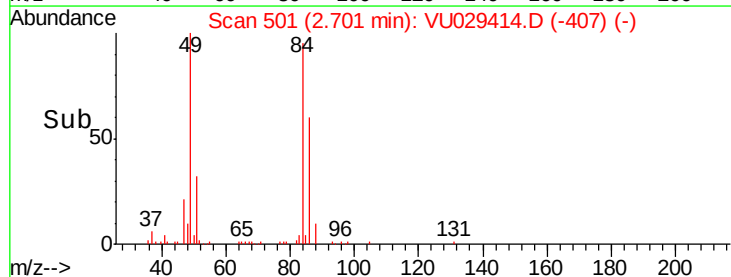
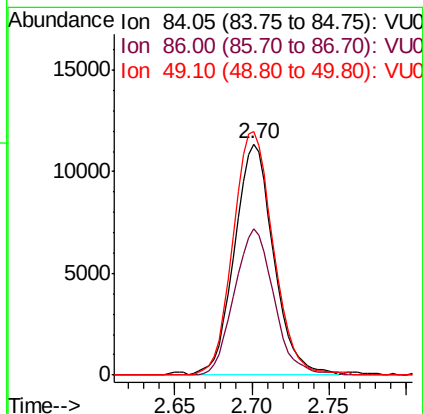
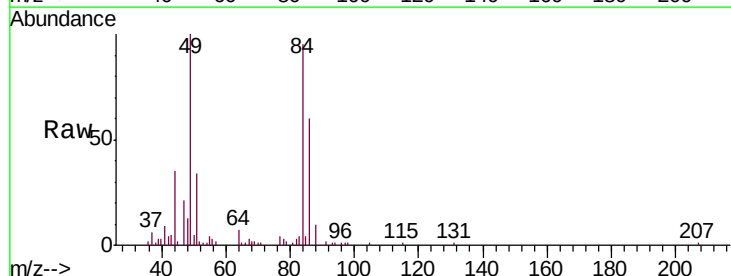
Instrument :
MSVOA_U
ClientSampleId :
VSTD00146

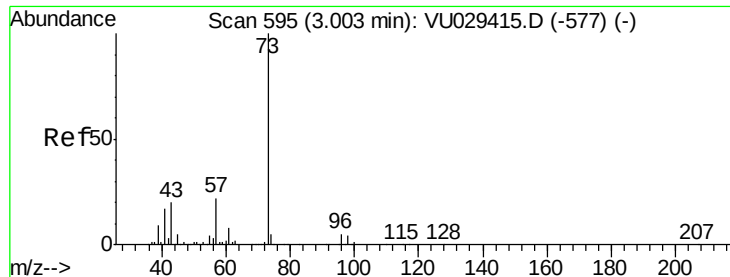
Tgt Ion: 43 Resp: 7314
Ion Ratio Lower Upper
43 100
74 26.4 22.3 33.5



#16
Methylene chloride
Concen: 1.147 ug/L
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU029414.D
Acq: 12 Feb 2019 12:34

Tgt Ion: 84 Resp: 19952
Ion Ratio Lower Upper
84 100
86 63.5 45.1 83.9
49 105.4 81.8 151.8

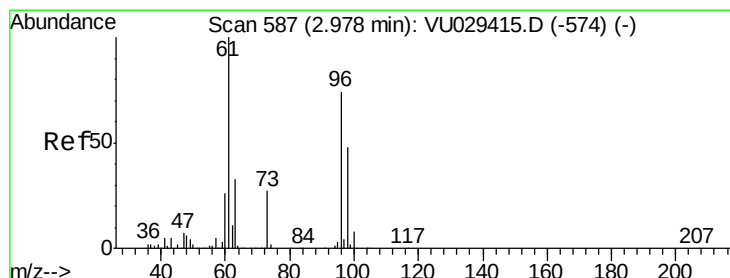
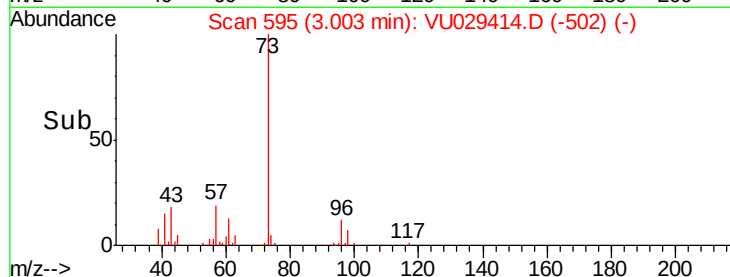
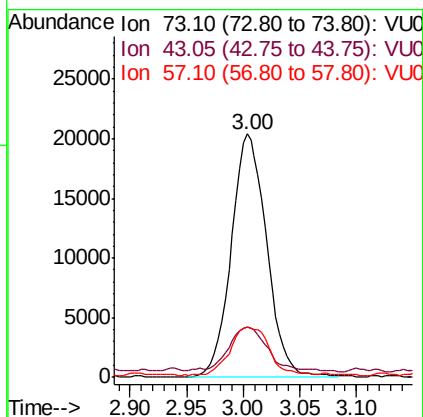
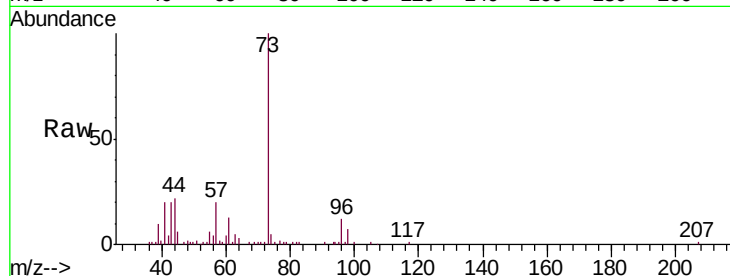




#17
Methyl tert-butyl Ether
Concen: 1.120 ug/L
RT: 3.00 min Scan# 595
Delta R.T. -0.00 min
Lab File: VU029414.D
Acq: 12 Feb 2019 12:34

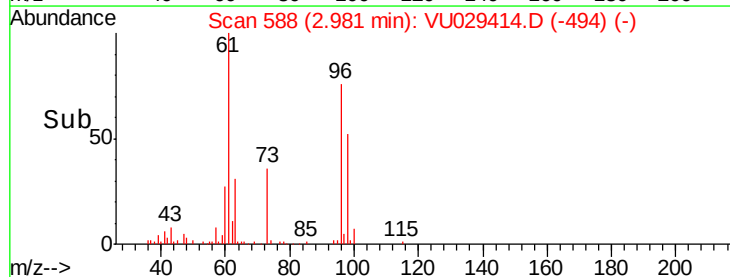
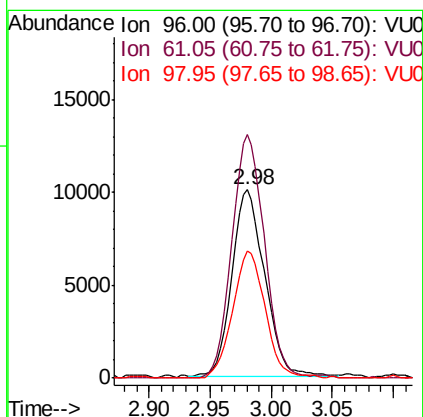
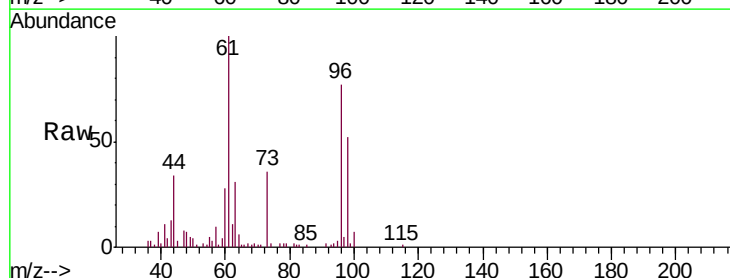
Instrument :
MSVOA_U
ClientSampleId :
VSTD00146

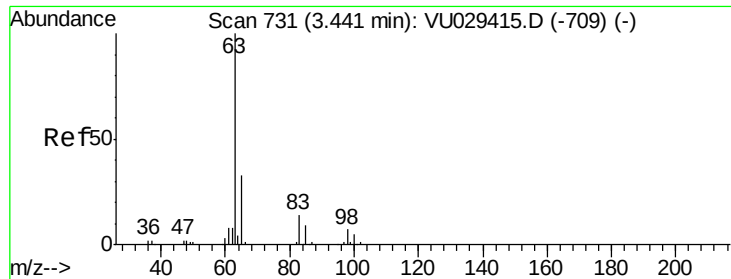
Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.3	16.0	24.0
57	21.6	16.9	25.3



#18
trans-1,2-Dichloroethene
Concen: 1.090 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU029414.D
Acq: 12 Feb 2019 12:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.2	95.4	177.2
98	67.2	45.8	85.2

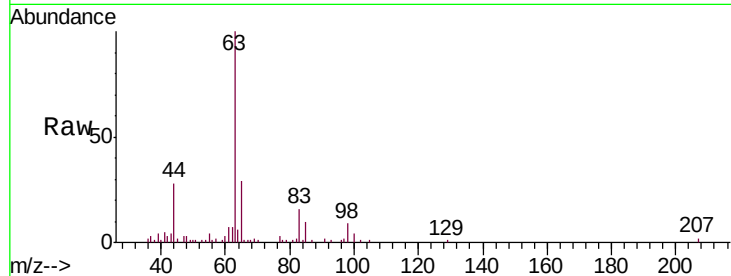




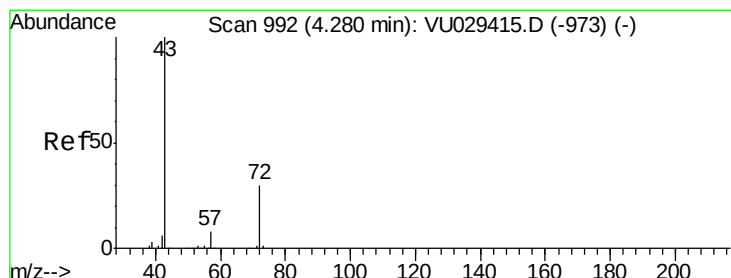
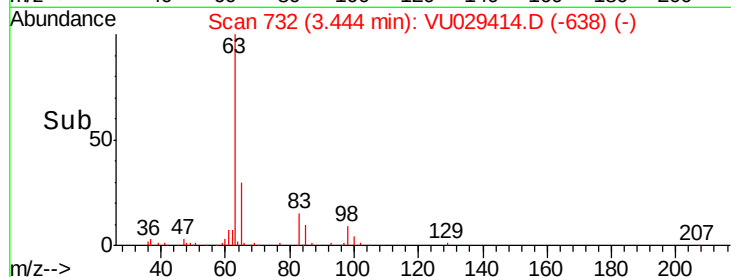
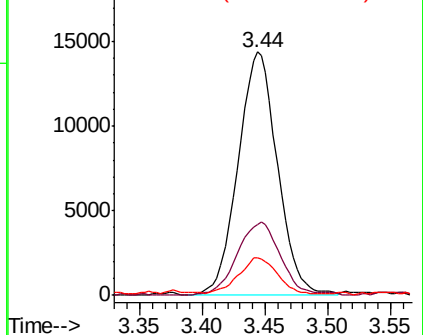
#19
 1,1-Dichloroethane
 Concen: 1.259 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU029414.D
 Acq: 12 Feb 2019 12:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00146

Tgt Ion: 63 Resp: 31418
 Ion Ratio Lower Upper
 63 100
 65 29.2 23.5 43.7
 83 15.6 10.3 19.1

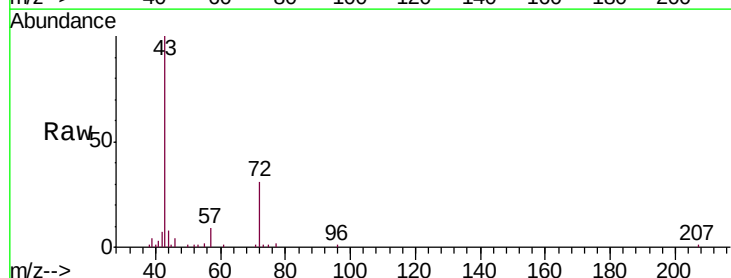


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

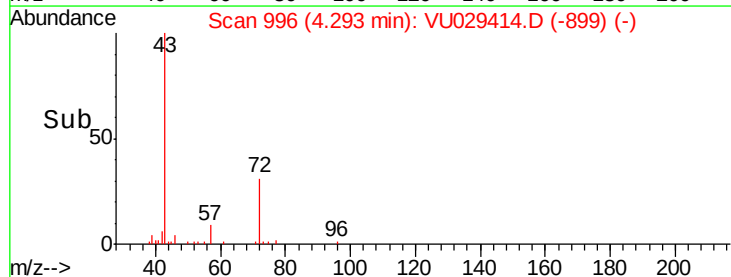
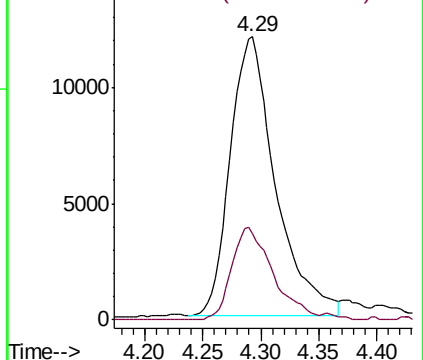


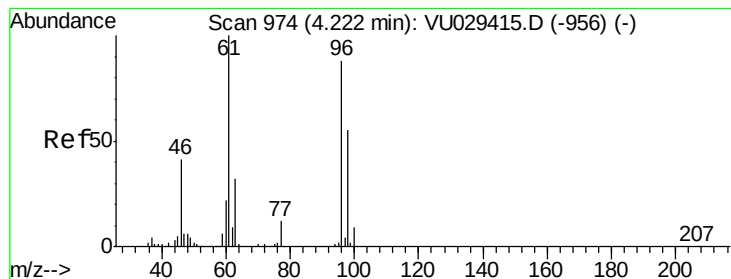
#21
 2-Butanone
 Concen: 11.382 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. 0.01 min
 Lab File: VU029414.D
 Acq: 12 Feb 2019 12:34

Tgt Ion: 43 Resp: 32608
 Ion Ratio Lower Upper
 43 100
 72 30.3 14.7 44.1



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



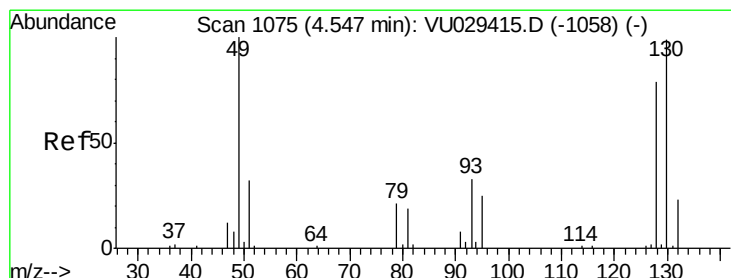
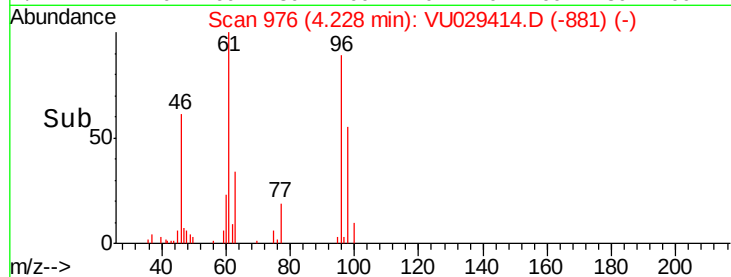
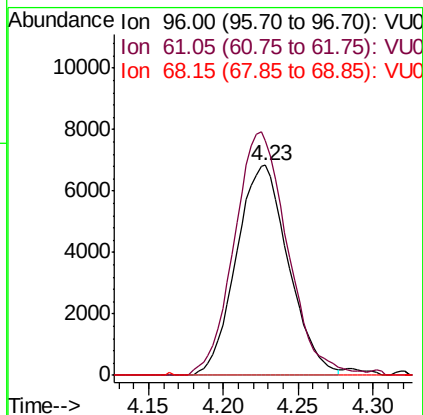
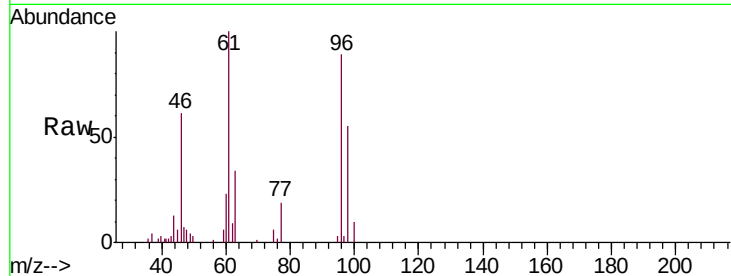


#22

cis-1,2-Dichloroethene
 Concen: 1.076 ug/L
 RT: 4.23 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VU029414.D
 Acq: 12 Feb 2019 12:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00146

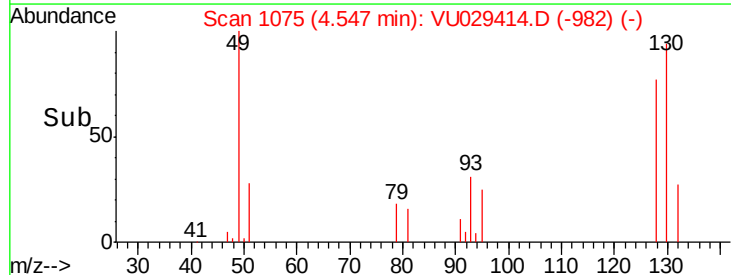
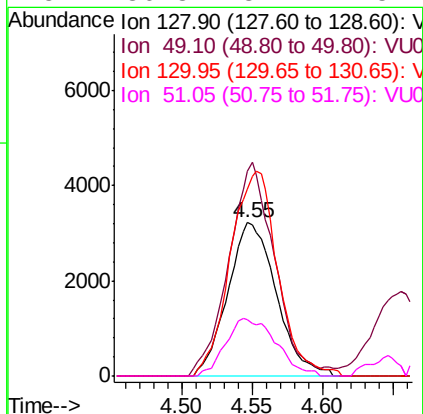
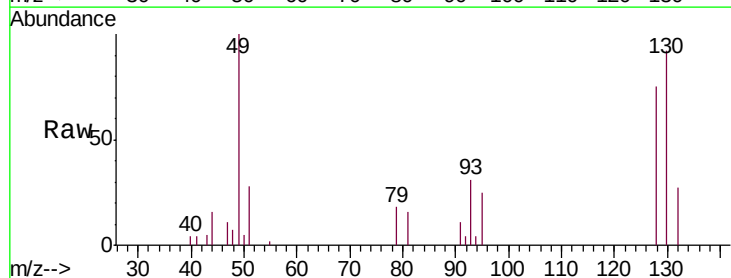
Tgt Ion: 96 Resp: 16586
 Ion Ratio Lower Upper
 96 100
 61 112.2 79.9 148.5
 68 0.0 0.0 0.0

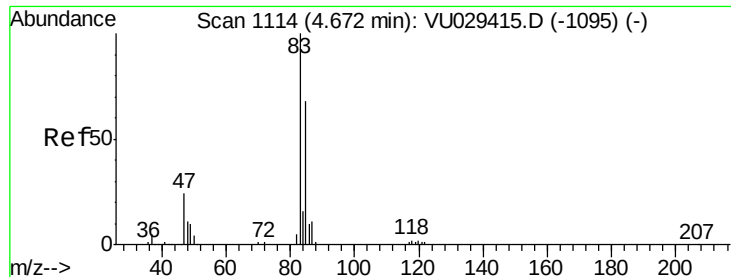


#23

Bromochloromethane
 Concen: 1.107 ug/L
 RT: 4.55 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VU029414.D
 Acq: 12 Feb 2019 12:34

Tgt Ion: 128 Resp: 7753
 Ion Ratio Lower Upper
 128 100
 49 133.3 89.0 165.4
 130 122.0 88.0 163.4
 51 36.8 32.1 48.1

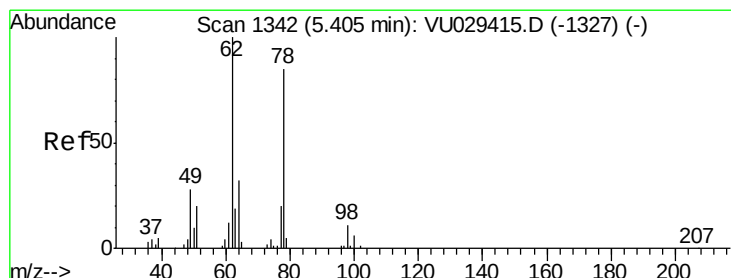
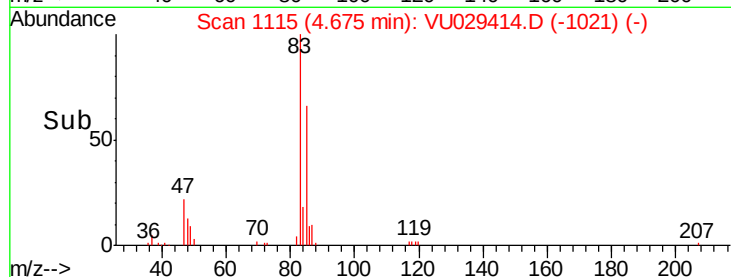
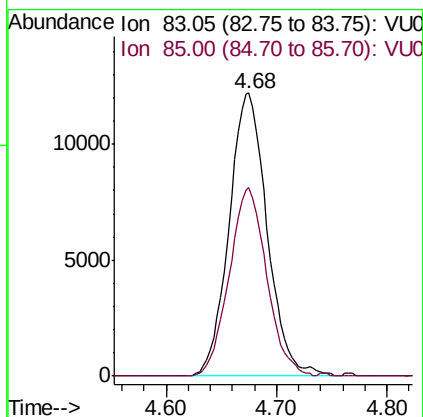
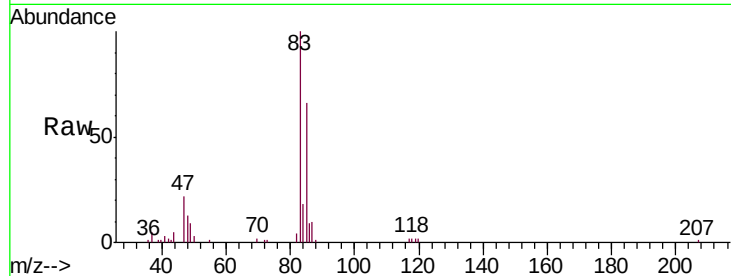




#25
Chloroform
Concen: 1.167 ug/L
RT: 4.68 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VU029414.D
Acq: 12 Feb 2019 12:34

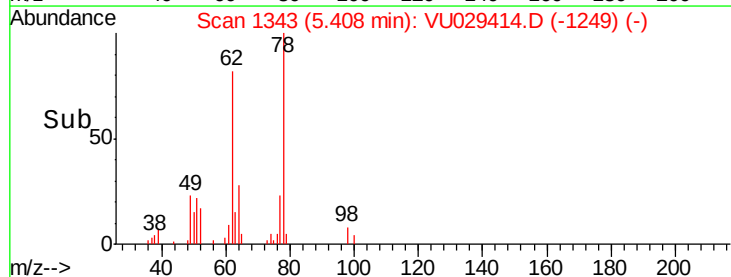
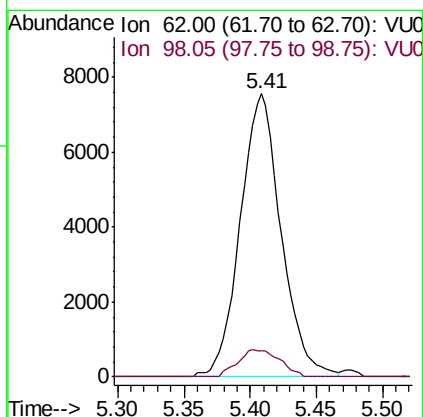
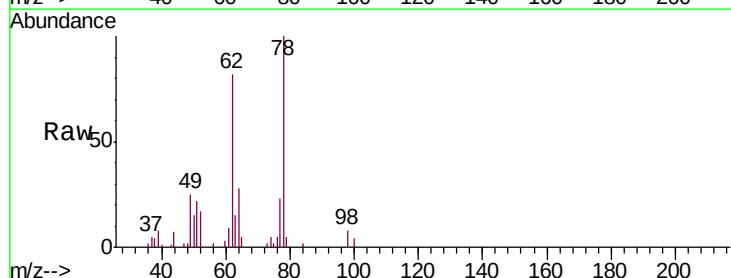
Instrument :
MSVOA_U
ClientSampleId :
VSTD00146

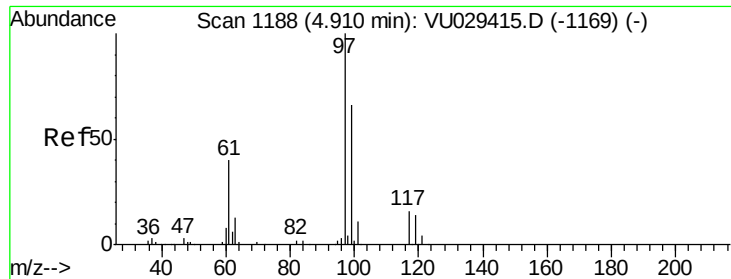
Tgt Ion: 83 Resp: 29216
Ion Ratio Lower Upper
83 100
85 66.5 47.8 88.8



#27
1,2-Dichloroethane
Concen: 1.108 ug/L
RT: 5.41 min Scan# 1343
Delta R.T. 0.00 min
Lab File: VU029414.D
Acq: 12 Feb 2019 12:34

Tgt Ion: 62 Resp: 16197
Ion Ratio Lower Upper
62 100
98 9.4 8.4 12.6

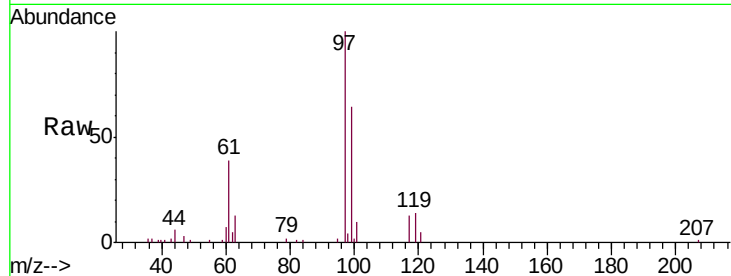




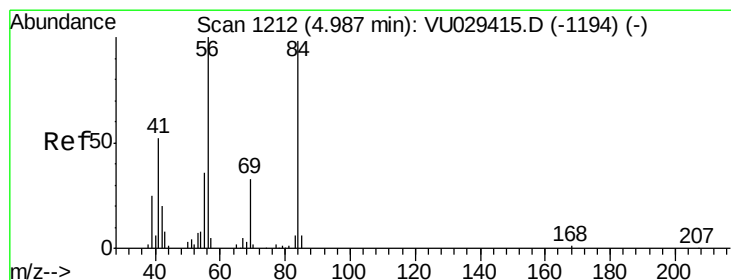
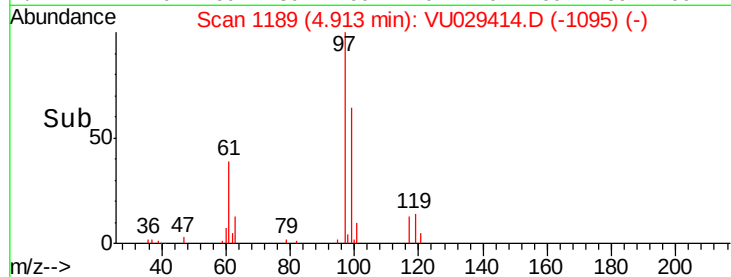
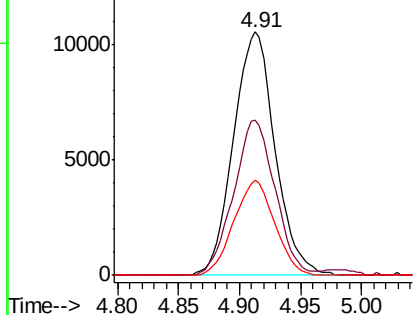
#29
 1,1,1-Trichloroethane
 Concen: 1.132 ug/L
 RT: 4.91 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VU029414.D
 Acq: 12 Feb 2019 12:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00146

Tgt Ion: 97 Resp: 24916
 Ion Ratio Lower Upper
 97 100
 99 63.6 52.2 78.2
 61 38.2 32.0 48.0

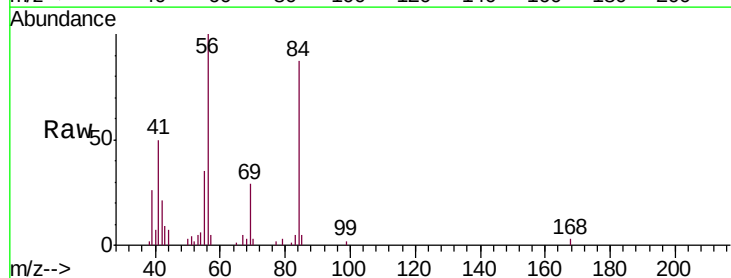


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

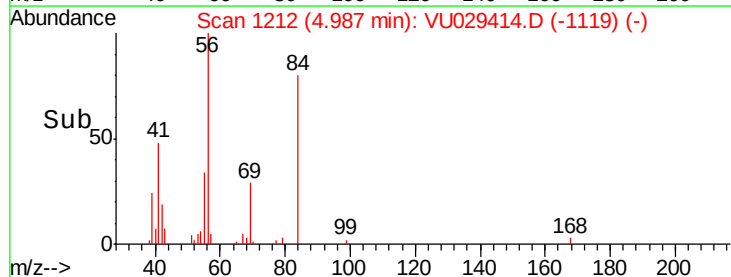
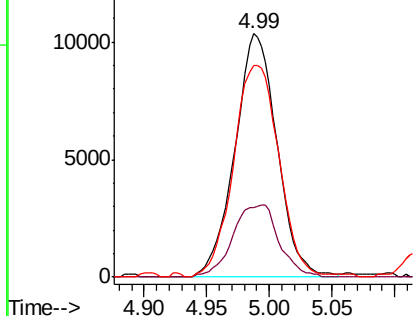


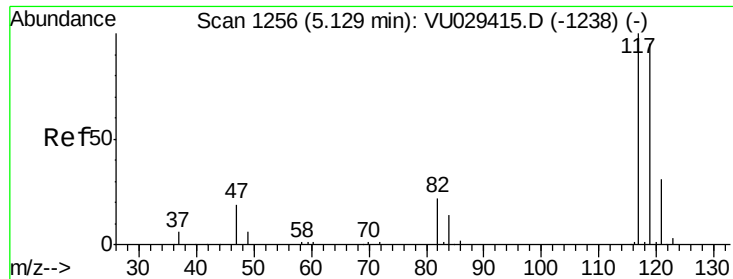
#30
 Cyclohexane
 Concen: 1.151 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: VU029414.D
 Acq: 12 Feb 2019 12:34

Tgt Ion: 56 Resp: 24180
 Ion Ratio Lower Upper
 56 100
 69 32.4 25.8 38.6
 84 93.6 75.0 112.6



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 1.068 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU029414.D

Acq: 12 Feb 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

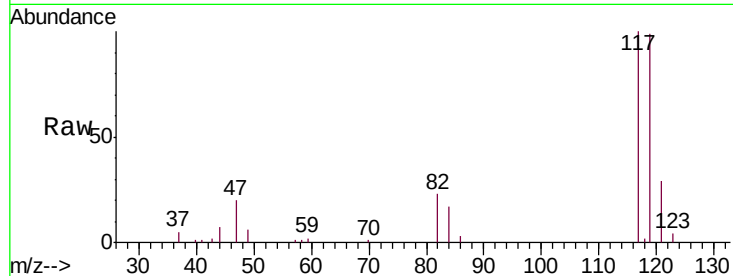
VSTD00146

Tgt Ion:117 Resp: 21524

Ion Ratio Lower Upper

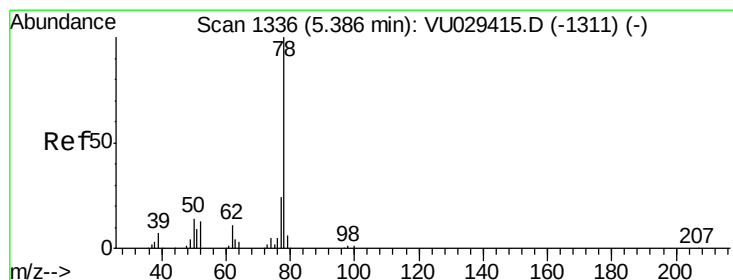
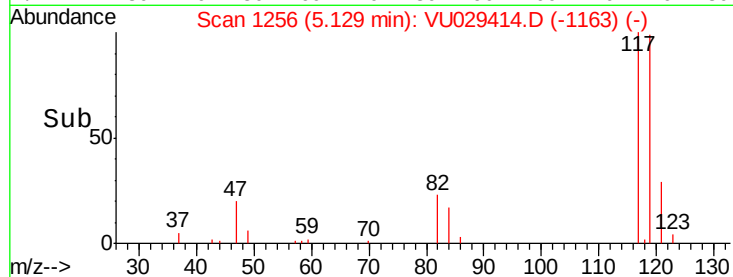
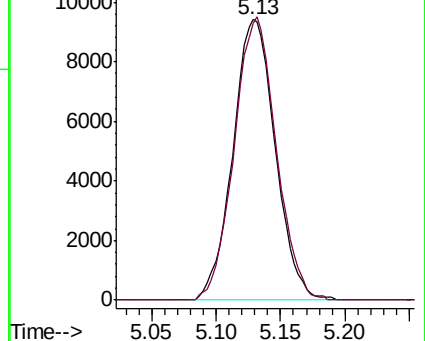
117 100

119 100.0 78.1 117.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.151 ug/L

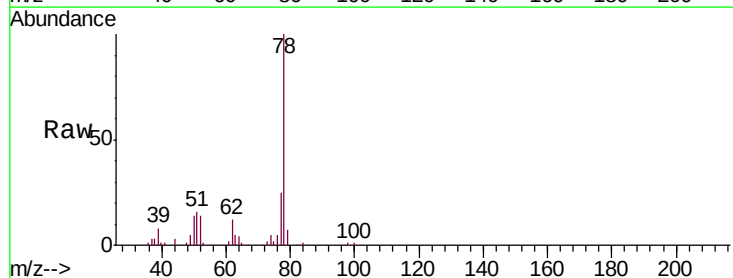
RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

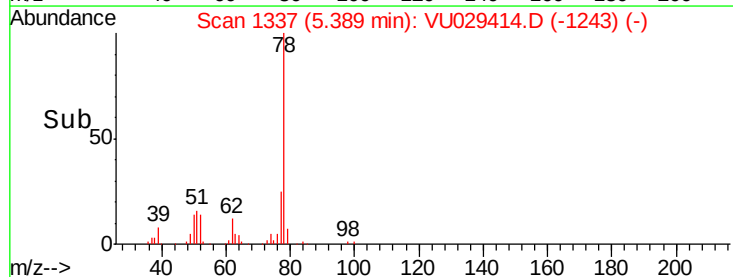
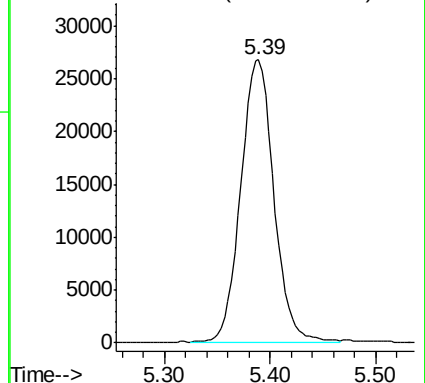
Lab File: VU029414.D

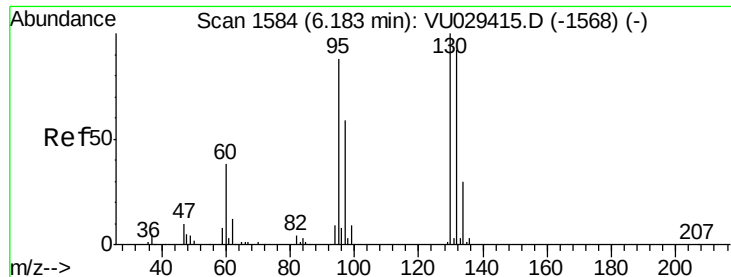
Acq: 12 Feb 2019 12:34

Tgt Ion: 78 Resp: 58886



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 1.132 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU029414.D

Acq: 12 Feb 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00146

Tgt Ion: 95 Resp: 16488

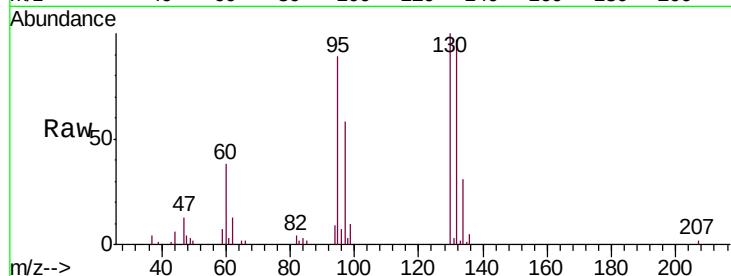
Ion Ratio Lower Upper

95 100

97 65.2 46.3 86.1

132 108.9 72.9 135.3

130 112.4 79.2 147.0

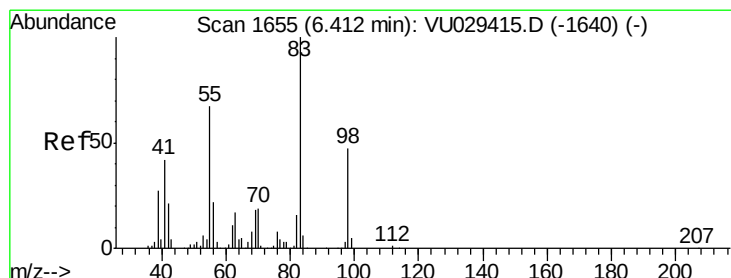
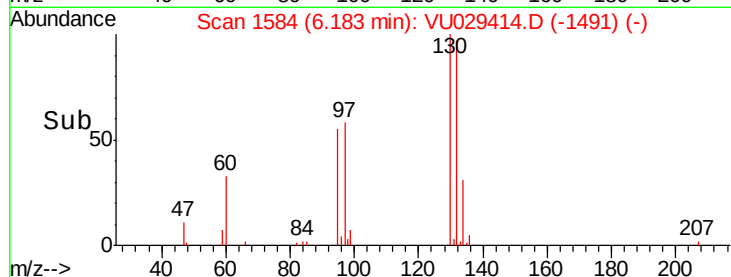
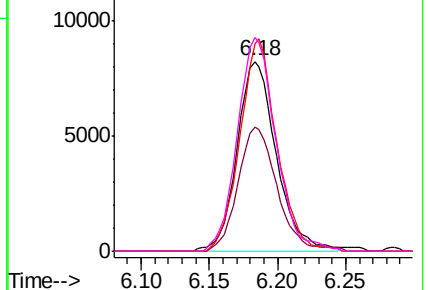


Abundance Ion 95.00 (94.70 to 95.70): VU029414.D (-1568) (-)

Ion 96.95 (96.65 to 97.65): VU029414.D (-1568) (-)

Ion 131.95 (131.65 to 132.65): VU029414.D (-1568) (-)

Ion 129.95 (129.65 to 130.65): VU029414.D (-1568) (-)



#35

Methylcyclohexane

Concen: 1.110 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU029414.D

Acq: 12 Feb 2019 12:34

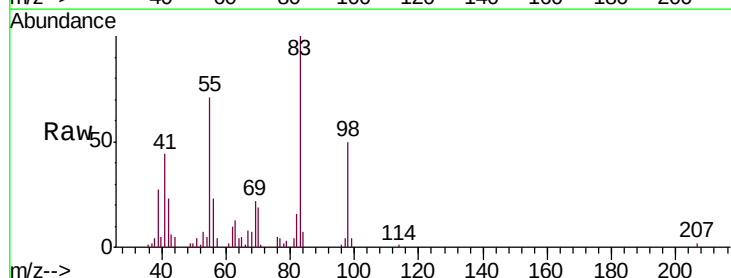
Tgt Ion: 83 Resp: 27660

Ion Ratio Lower Upper

83 100

55 69.3 55.9 83.9

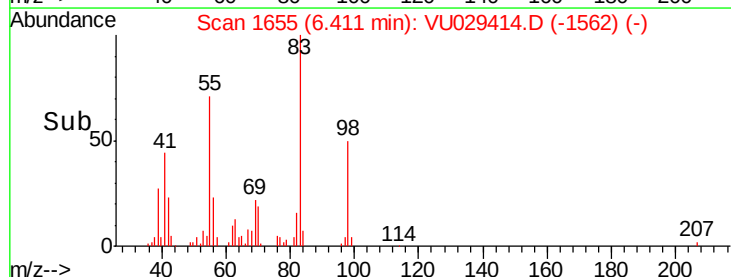
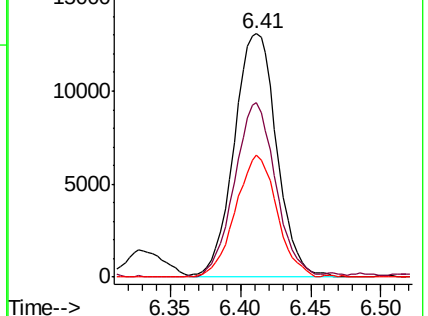
98 48.6 38.6 57.8

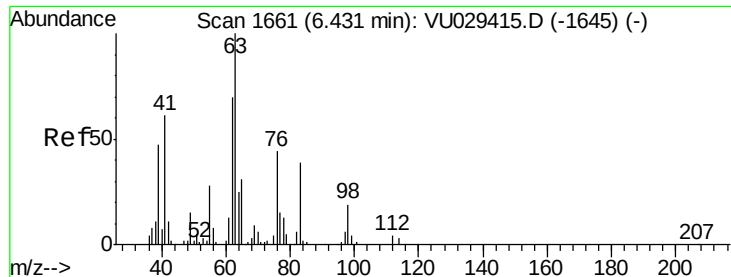


Abundance Ion 83.15 (82.85 to 83.85): VU029414.D (-1640) (-)

Ion 55.10 (54.80 to 55.80): VU029414.D (-1640) (-)

Ion 98.15 (97.85 to 98.85): VU029414.D (-1640) (-)

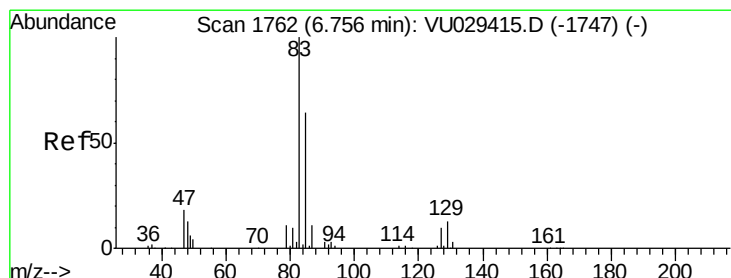
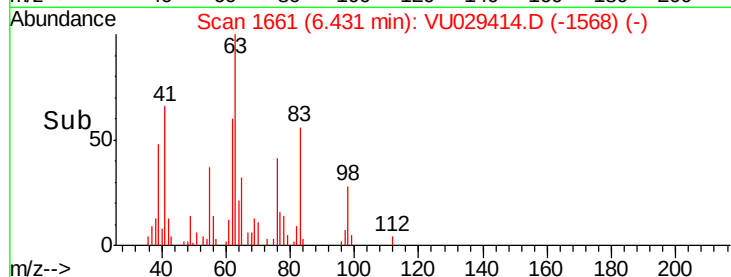
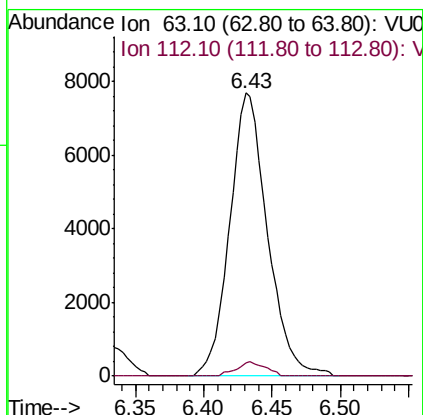
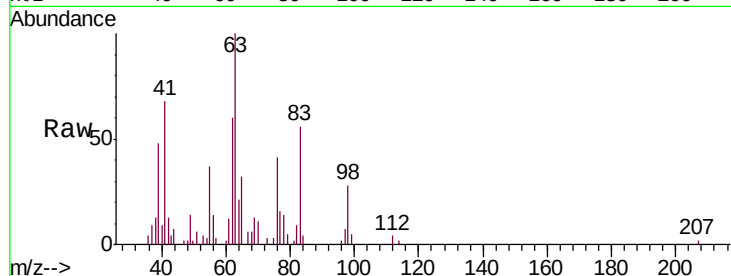




#37
 1,2-Dichloropropane
 Concen: 1.137 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VU029414.D
 Acq: 12 Feb 2019 12:34

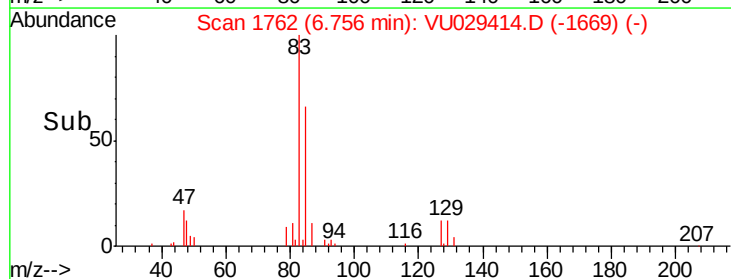
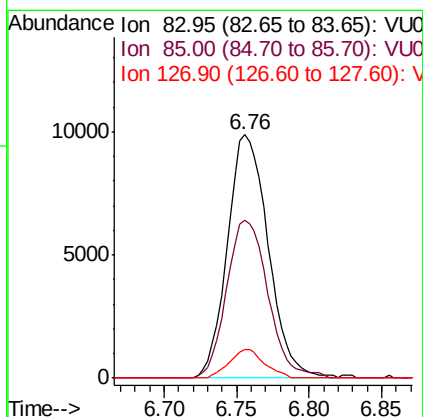
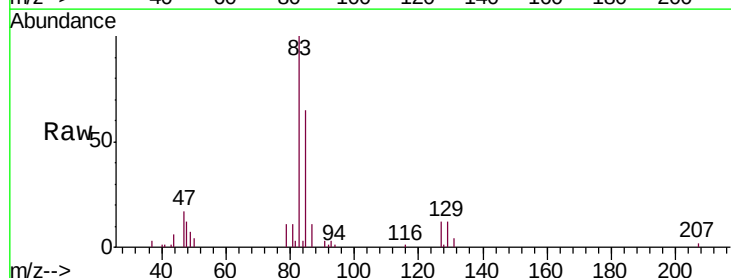
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00146

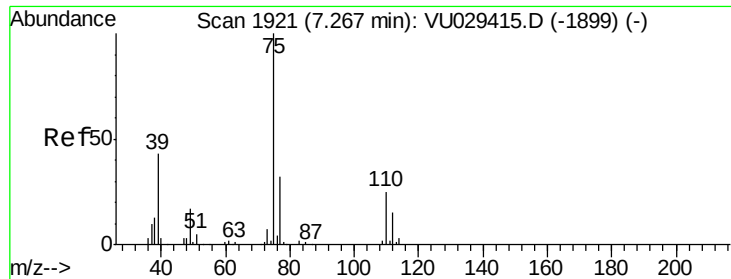
Tgt Ion: 63 Resp: 14789
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.5 5.3



#38
 Bromodichloromethane
 Concen: 1.095 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VU029414.D
 Acq: 12 Feb 2019 12:34

Tgt Ion: 83 Resp: 19305
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.1 83.7
 127 11.9 7.8 11.8#

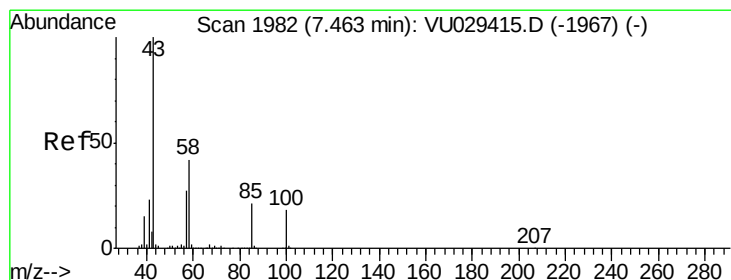
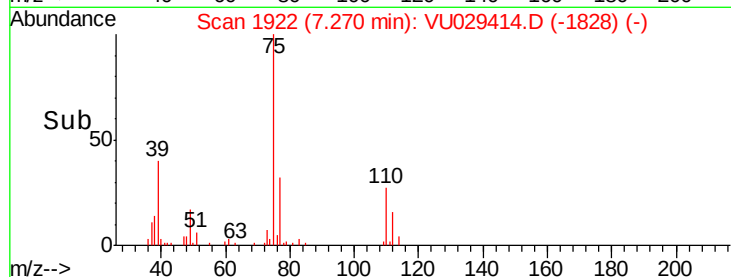
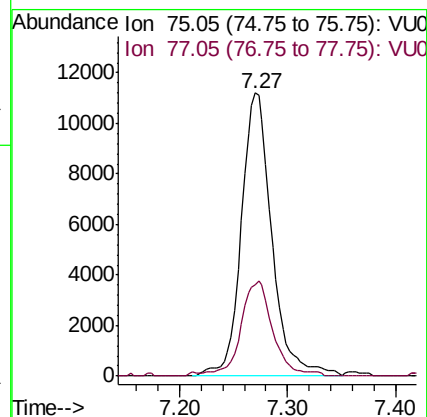
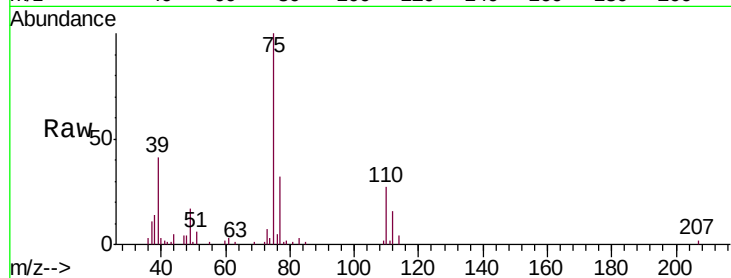




#39
 cis-1,3-Dichloropropene
 Concen: 1.063 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU029414.D
 Acq: 12 Feb 2019 12:34

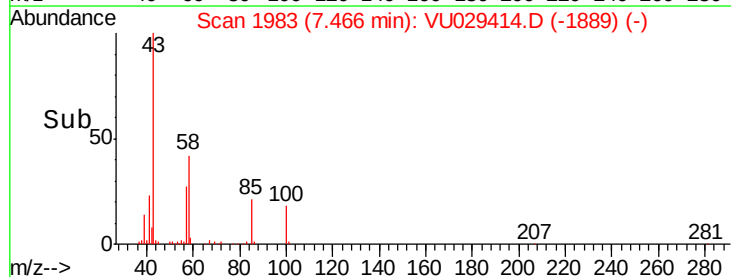
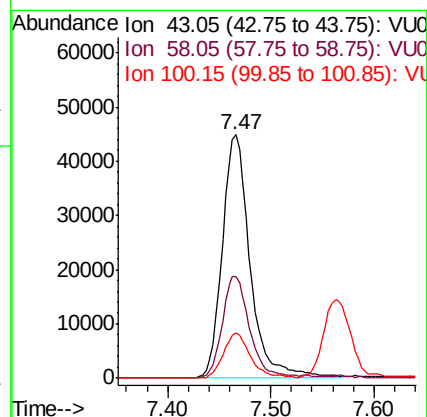
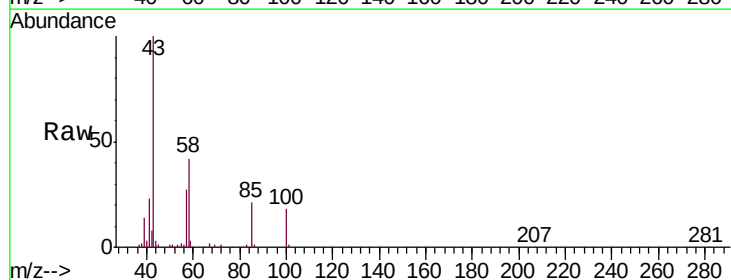
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00146

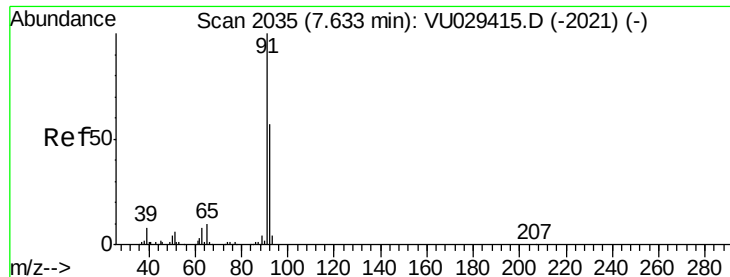
Tgt Ion: 75 Resp: 22181
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 11.532 ug/L
 RT: 7.47 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VU029414.D
 Acq: 12 Feb 2019 12:34

Tgt Ion: 43 Resp: 84327
 Ion Ratio Lower Upper
 43 100
 58 40.9 33.4 50.2
 100 18.0 14.4 21.6





#42

Toluene

Concen: 1.106 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029414.D

Acq: 12 Feb 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

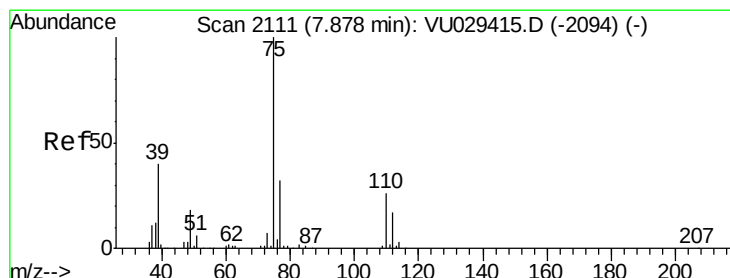
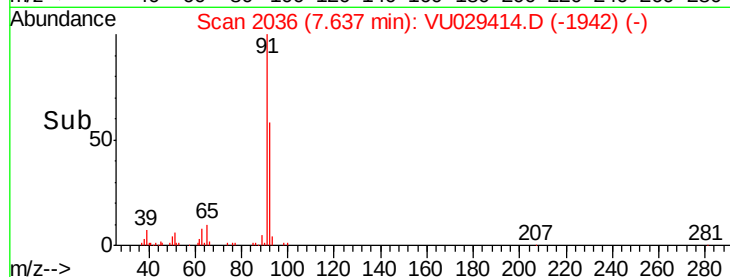
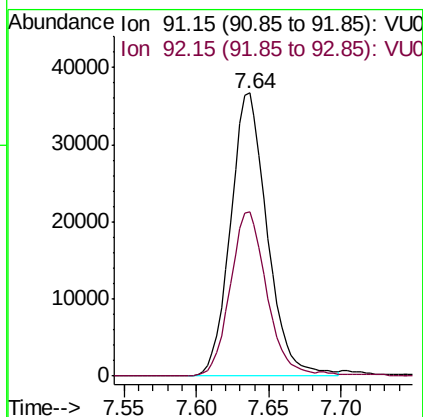
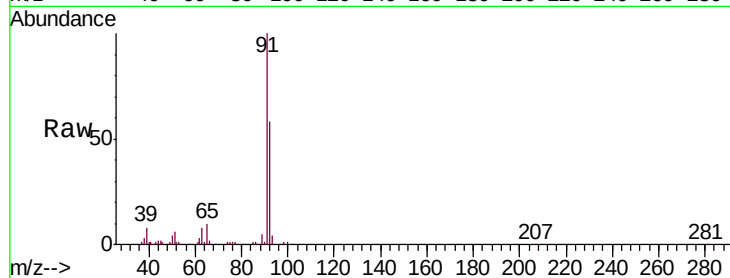
VSTD00146

Tgt Ion: 91 Resp: 64512

Ion Ratio Lower Upper

91 100

92 58.2 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 1.072 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029414.D

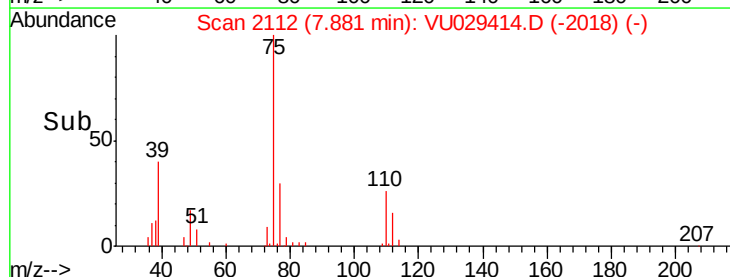
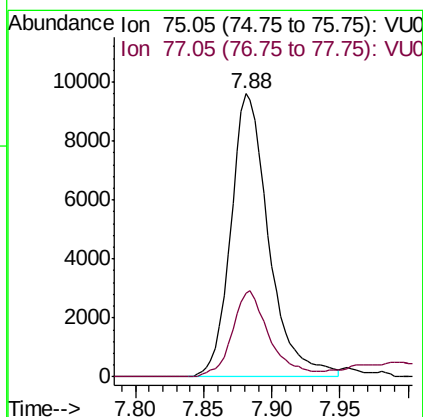
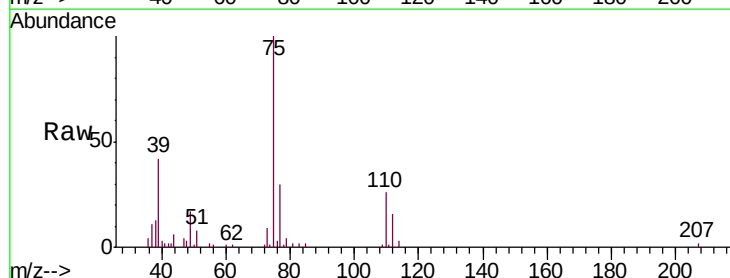
Acq: 12 Feb 2019 12:34

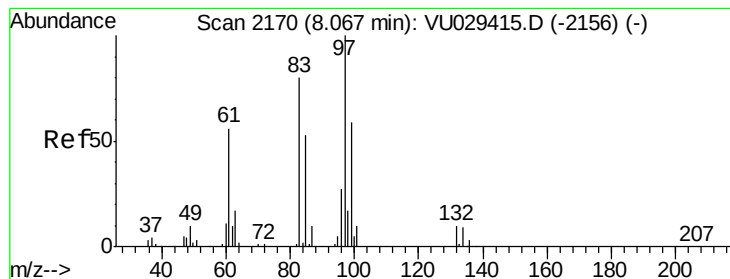
Tgt Ion: 75 Resp: 18557

Ion Ratio Lower Upper

75 100

77 29.6 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 1.113 ug/L

RT: 8.07 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU029414.D

Acq: 12 Feb 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00146

Tgt Ion: 97 Resp: 11227

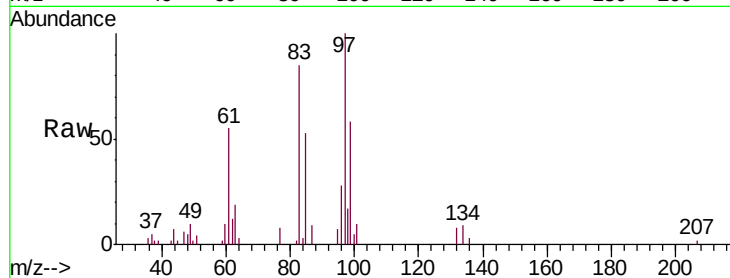
Ion Ratio Lower Upper

97 100

99 58.1 41.6 77.2

83 85.4 55.8 103.6

85 53.2 37.2 69.0

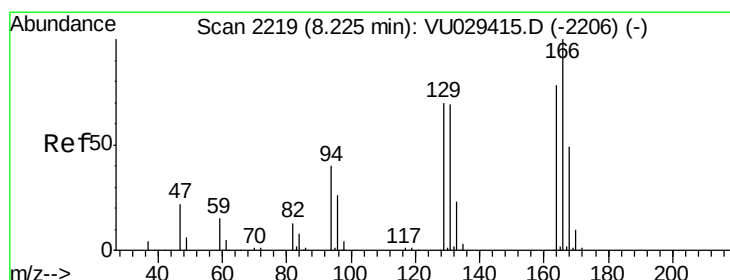
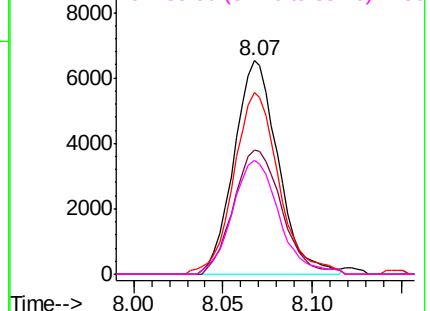
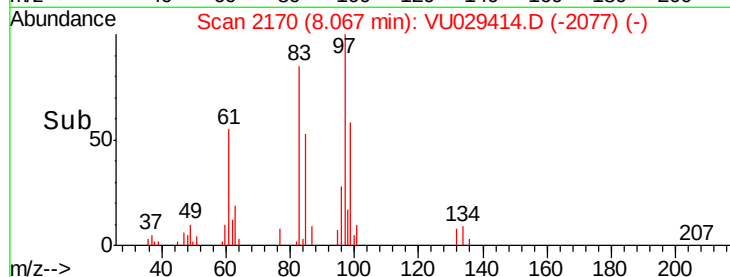


Abundance Ion 96.95 (96.65 to 97.65): VU029414.D (-2177) (-)

Ion 99.05 (98.75 to 99.75): VU029414.D (-2177) (-)

Ion 82.95 (82.65 to 83.65): VU029414.D (-2177) (-)

Ion 85.00 (84.70 to 85.70): VU029414.D (-2177) (-)



#47

Tetrachloroethene

Concen: 1.092 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU029414.D

Acq: 12 Feb 2019 12:34

Tgt Ion: 164 Resp: 14766

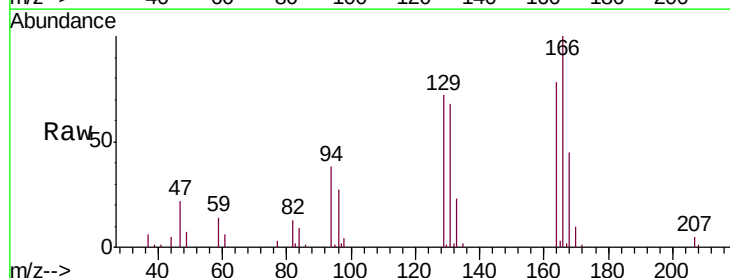
Ion Ratio Lower Upper

164 100

129 92.1 62.9 116.9

131 87.8 62.1 115.3

166 128.4 89.8 166.8

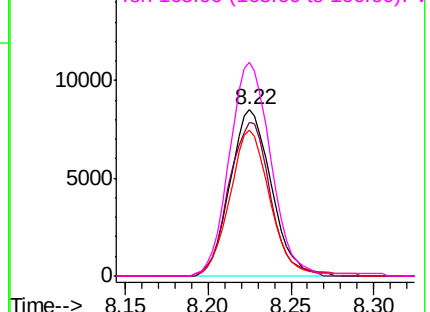
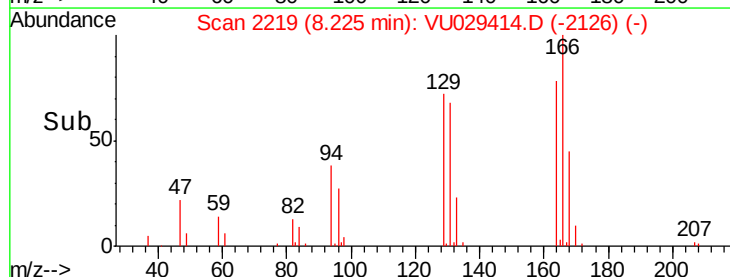


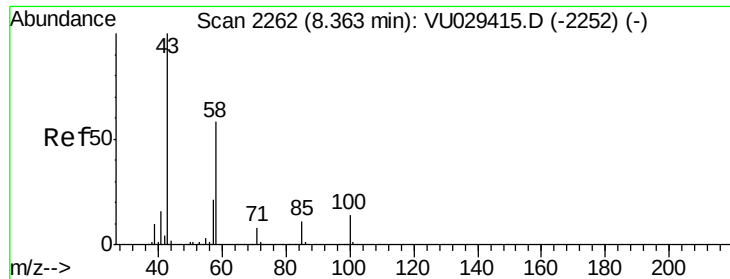
Abundance Ion 163.90 (163.60 to 164.60): VU029414.D (-2216) (-)

Ion 128.95 (128.65 to 129.65): VU029414.D (-2216) (-)

Ion 130.95 (130.65 to 131.65): VU029414.D (-2216) (-)

Ion 165.90 (165.60 to 166.60): VU029414.D (-2216) (-)

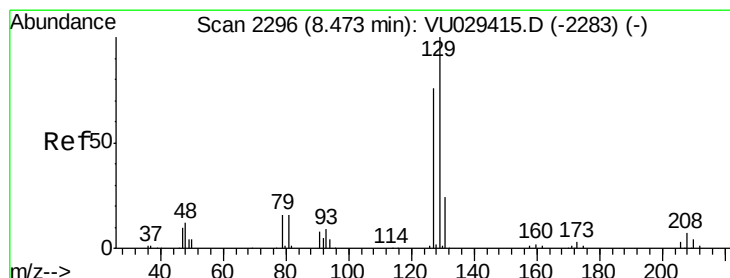
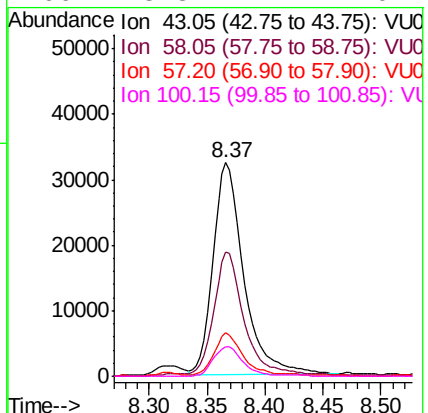
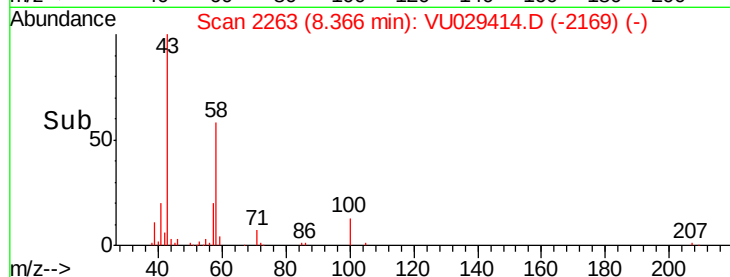
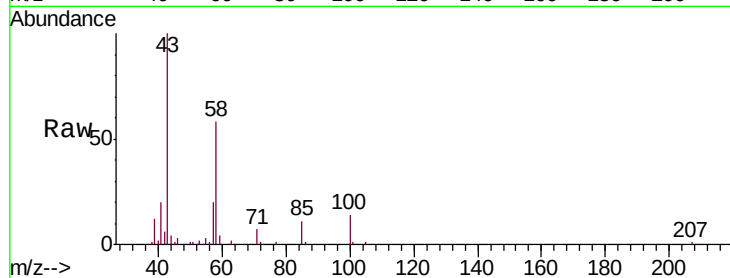




#48
2-Hexanone
Concen: 11.796 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU029414.D
Acq: 12 Feb 2019 12:34

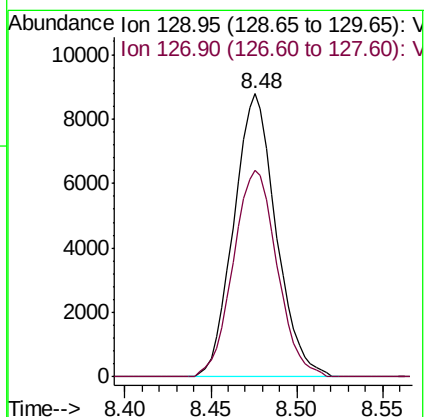
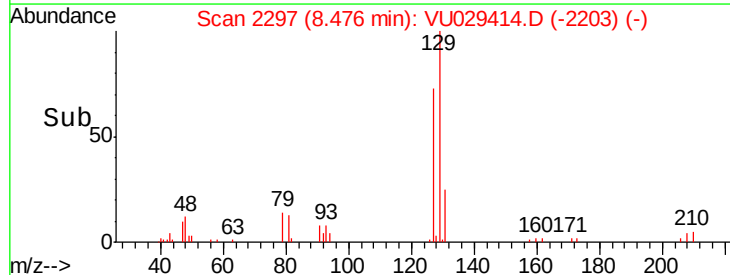
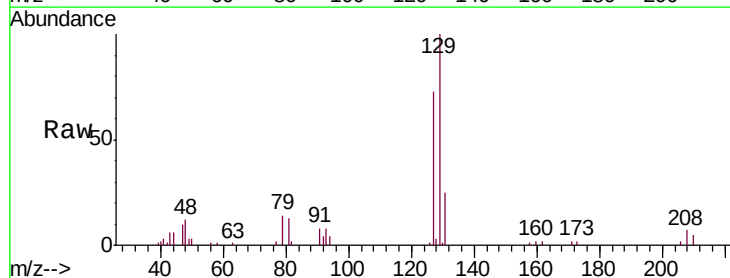
Instrument :
MSVOA_U
ClientSampleId :
VSTD00146

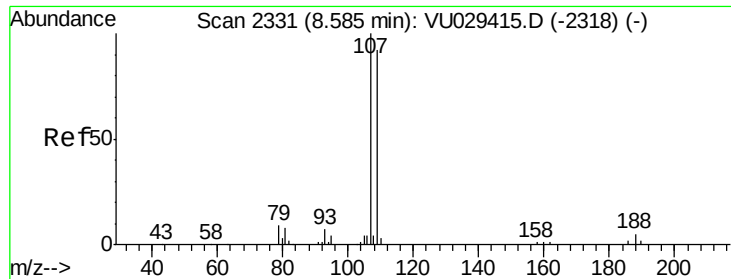
Tgt Ion: 43 Resp: 60170
Ion Ratio Lower Upper
43 100
58 54.6 45.7 68.5
57 20.1 16.4 24.6
100 13.3 11.1 16.7



#49
Dibromochloromethane
Concen: 1.092 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU029414.D
Acq: 12 Feb 2019 12:34

Tgt Ion: 129 Resp: 14984
Ion Ratio Lower Upper
129 100
127 73.0 53.3 99.1

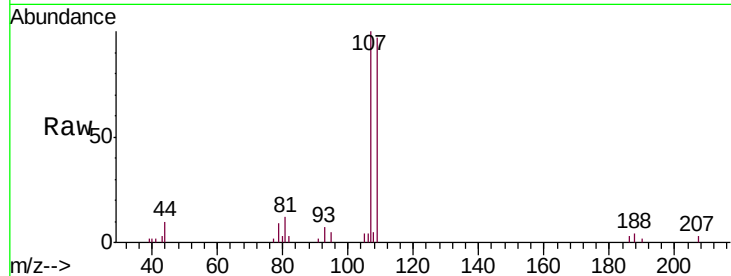




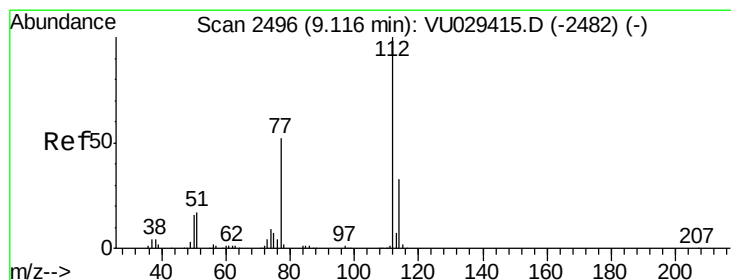
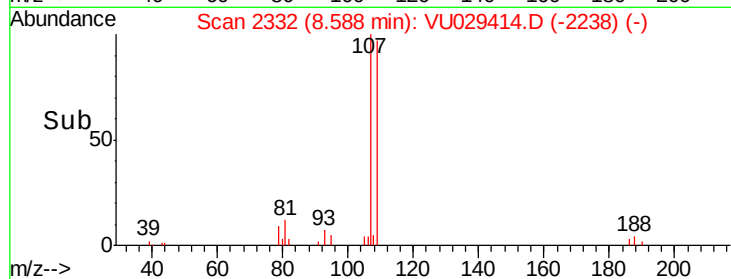
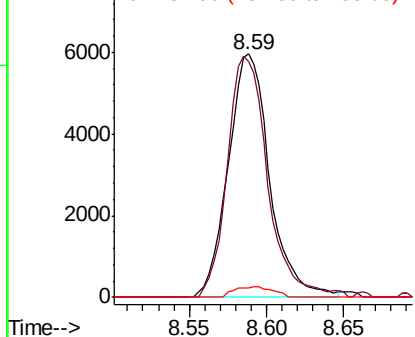
#50
1,2-Dibromoethane
Concen: 1.132 ug/L
RT: 8.59 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU029414.D
Acq: 12 Feb 2019 12:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD00146

Tgt Ion:107 Resp: 11090
Ion Ratio Lower Upper
107 100
109 96.9 64.1 119.1
188 3.9 3.7 5.5

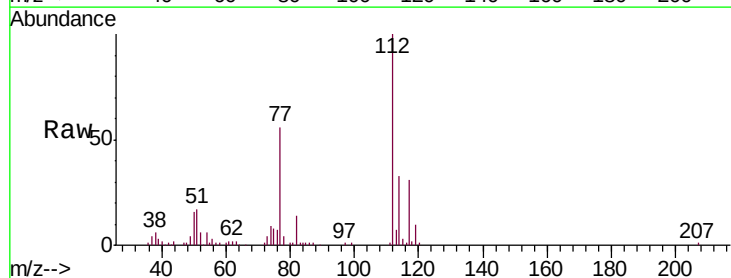


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

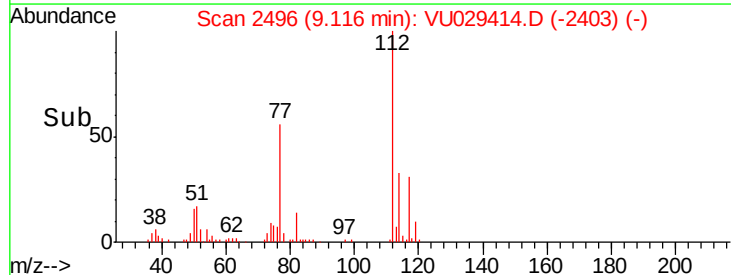
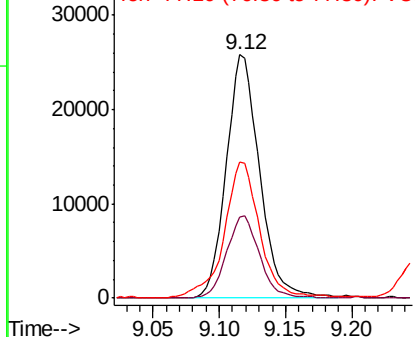


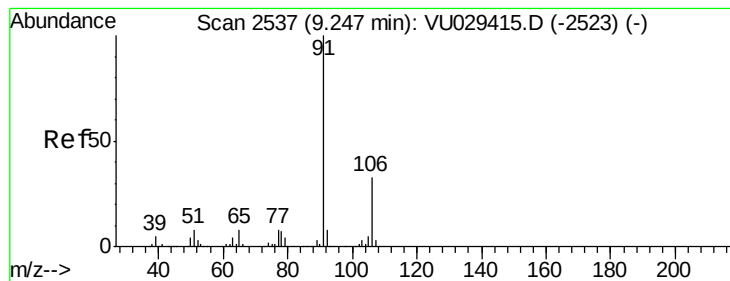
#51
Chlorobenzene
Concen: 1.126 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029414.D
Acq: 12 Feb 2019 12:34

Tgt Ion:112 Resp: 45238
Ion Ratio Lower Upper
112 100
114 33.4 22.9 42.5
77 55.7 41.8 62.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 1.114 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029414.D

Acq: 12 Feb 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

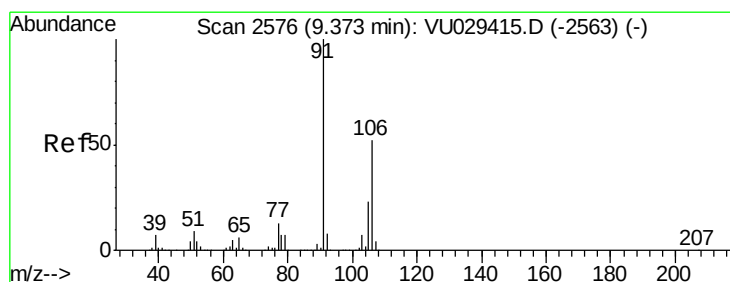
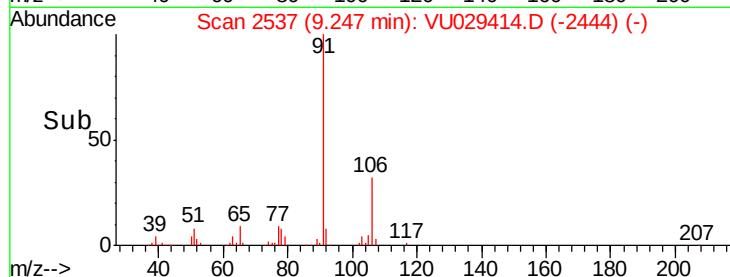
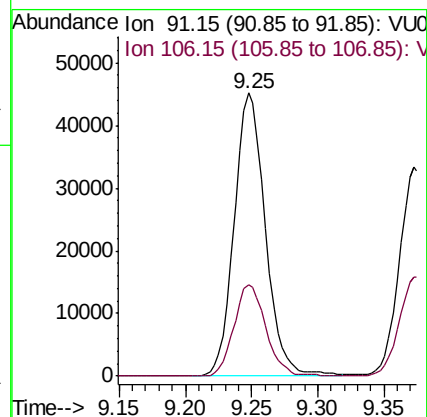
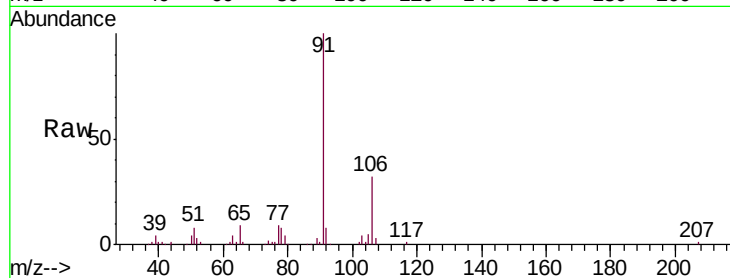
VSTD00146

Tgt Ion: 91 Resp: 73842

Ion Ratio Lower Upper

91 100

106 32.3 22.8 42.4



#53

m,p-xylene

Concen: 1.085 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU029414.D

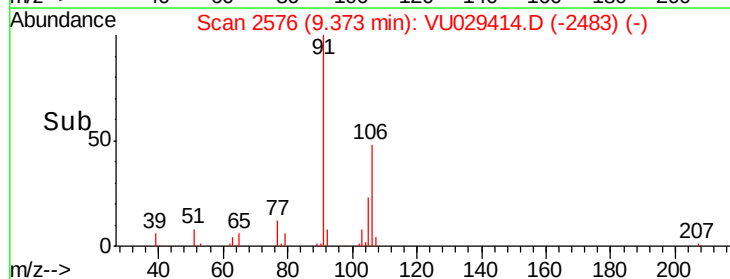
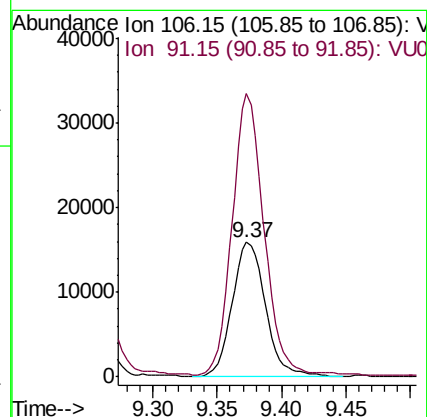
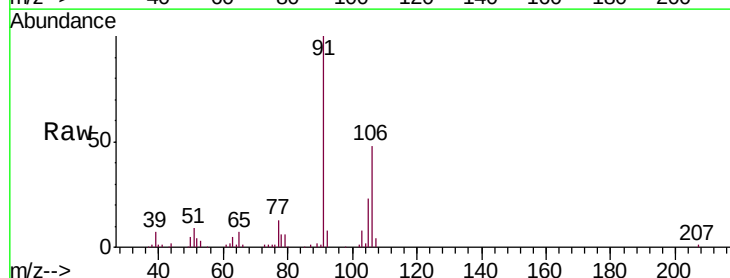
Acq: 12 Feb 2019 12:34

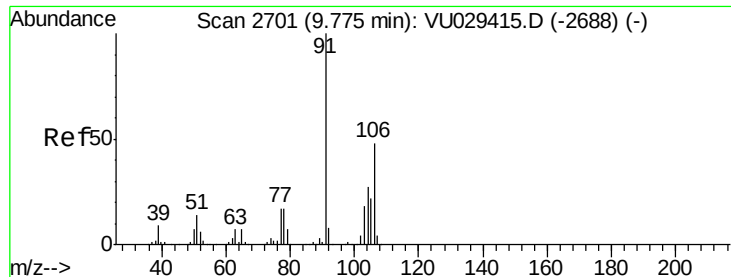
Tgt Ion: 106 Resp: 28664

Ion Ratio Lower Upper

106 100

91 210.2 135.7 251.9





#54

o-xylene

Concen: 1.097 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029414.D

Acq: 12 Feb 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

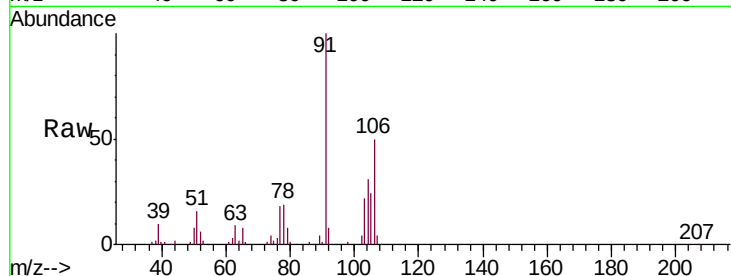
VSTD00146

Tgt Ion:106 Resp: 28279

Ion Ratio Lower Upper

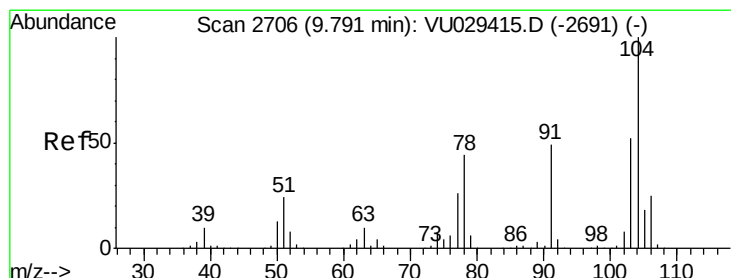
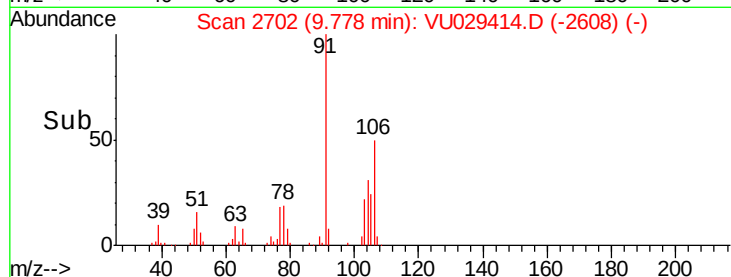
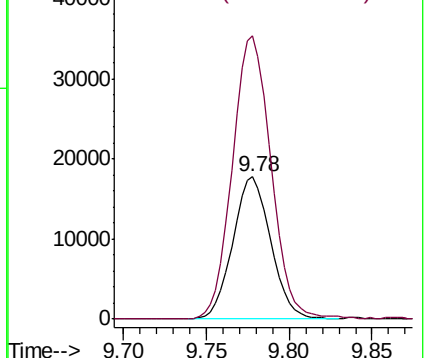
106 100

91 199.2 145.1 269.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 1.065 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VU029414.D

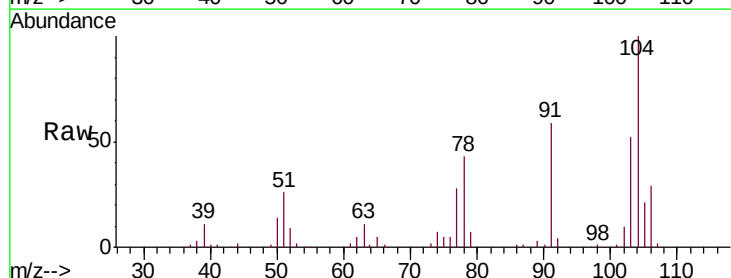
Acq: 12 Feb 2019 12:34

Tgt Ion:104 Resp: 45531

Ion Ratio Lower Upper

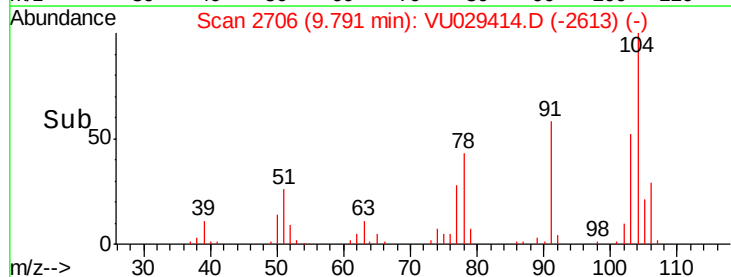
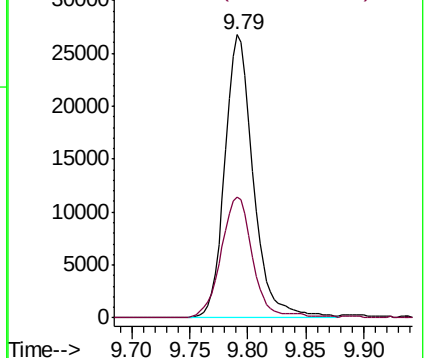
104 100

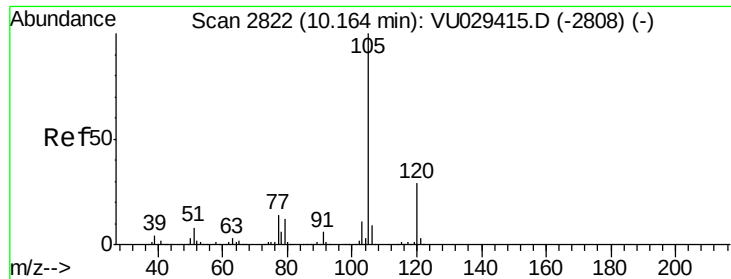
78 42.8 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 1.090 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029414.D

Acq: 12 Feb 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00146

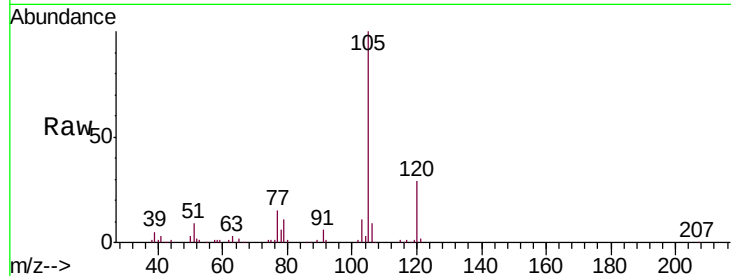
Tgt Ion:105 Resp: 74407

Ion Ratio Lower Upper

105 100

120 27.9 22.2 33.4

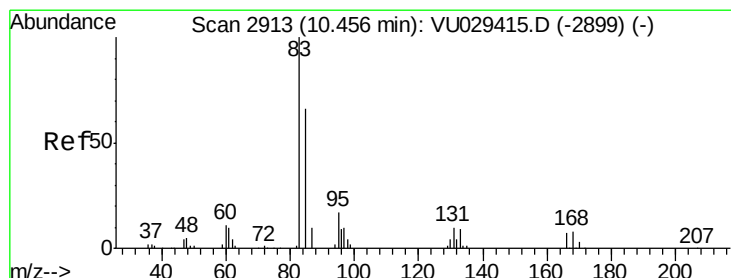
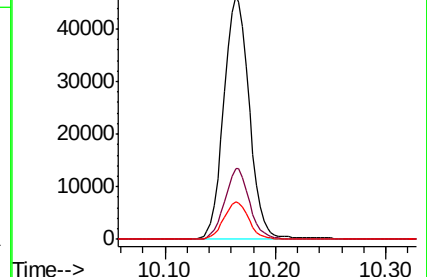
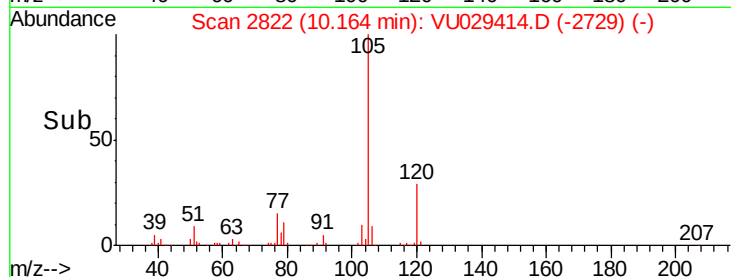
77 15.0 11.5 17.3



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: 1.102 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VU029414.D

Acq: 12 Feb 2019 12:34

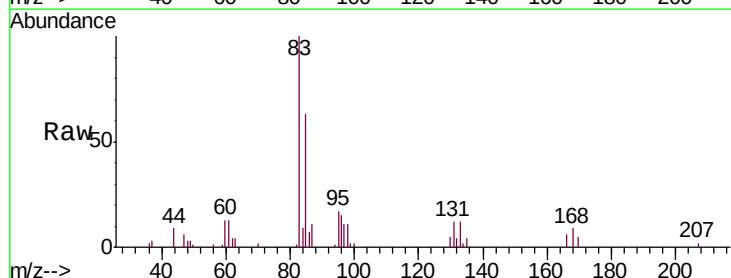
Tgt Ion: 83 Resp: 13611

Ion Ratio Lower Upper

83 100

85 63.3 46.5 86.3

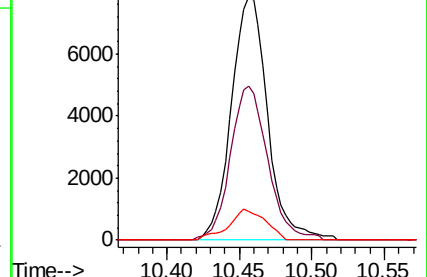
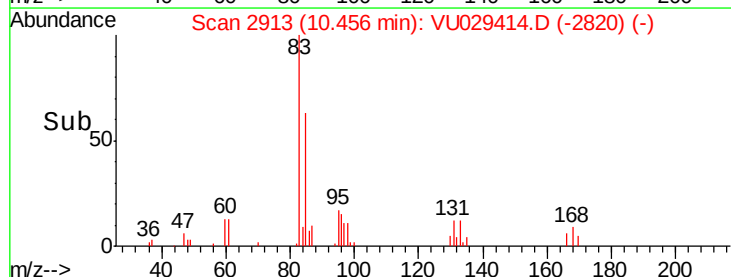
131 12.0 8.3 12.5

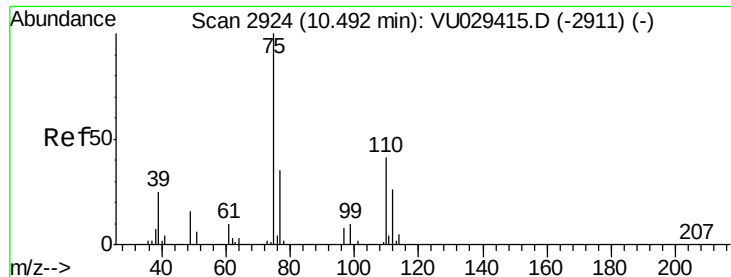


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

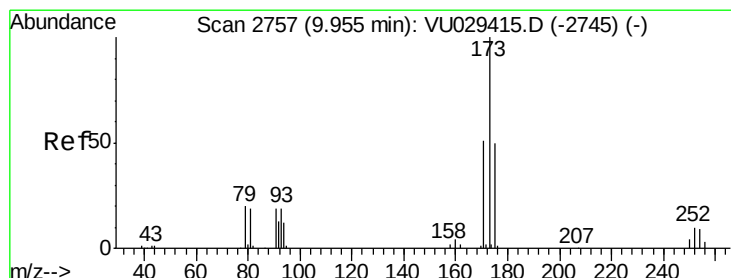
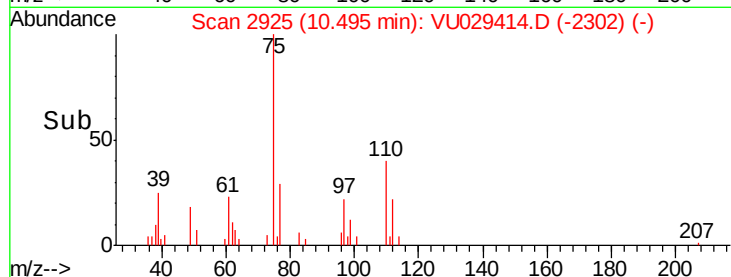
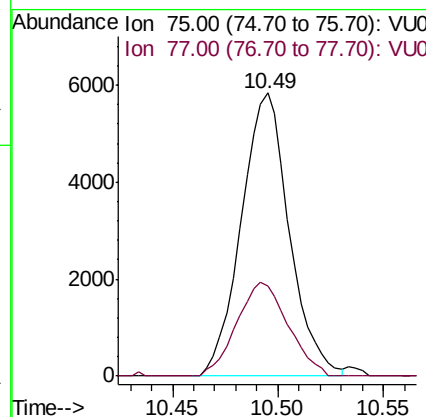
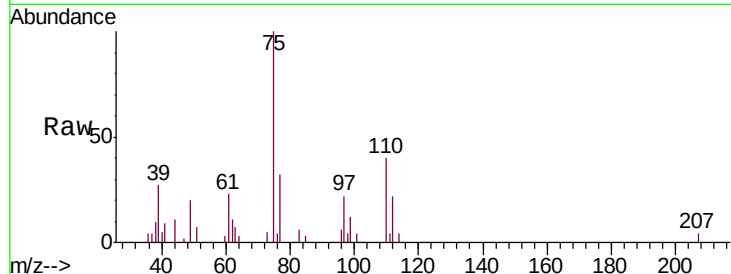




#59
 1,2,3-Trichloropropane
 Concen: 1.122 ug/L
 RT: 10.49 min Scan# 2925
 Delta R.T. 0.00 min
 Lab File: VU029414.D
 Acq: 12 Feb 2019 12:34

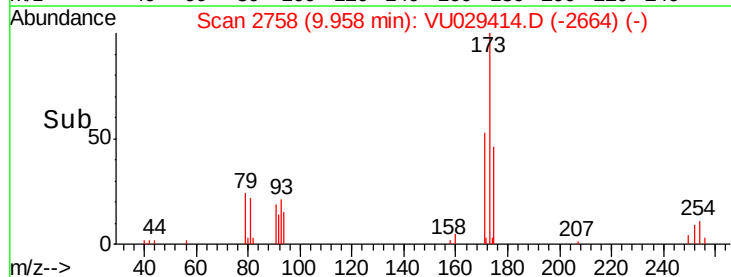
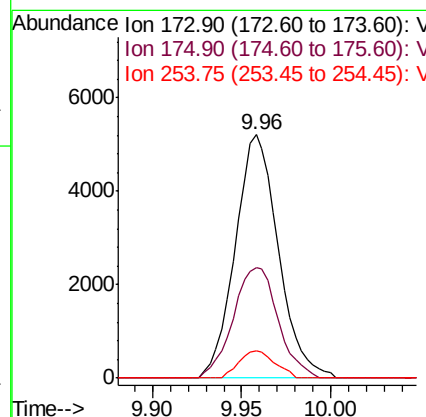
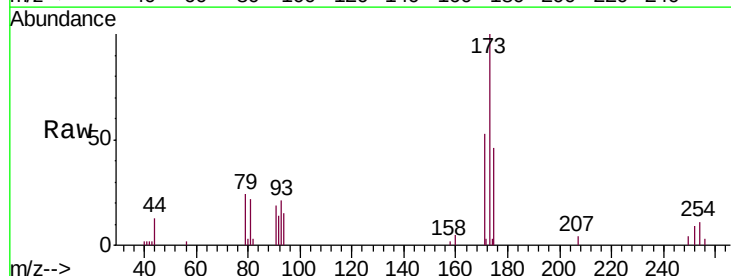
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00146

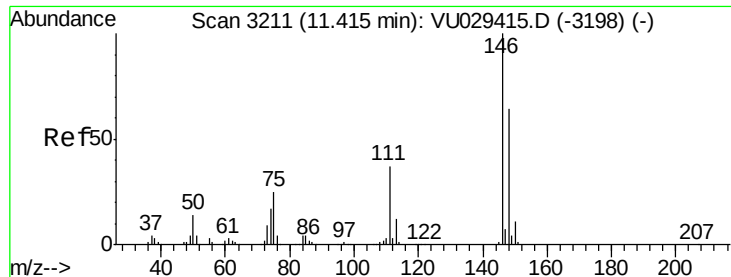
Tgt Ion: 75 Resp: 9231
 Ion Ratio Lower Upper
 75 100
 77 35.4 28.2 42.2



#61
 Bromoform
 Concen: 1.038 ug/L
 RT: 9.96 min Scan# 2758
 Delta R.T. 0.00 min
 Lab File: VU029414.D
 Acq: 12 Feb 2019 12:34

Tgt Ion: 173 Resp: 8763
 Ion Ratio Lower Upper
 173 100
 175 47.2 39.2 58.8
 254 9.4 7.8 11.6





#62

1,3-Dichlorobenzene

Concen: 1.145 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU029414.D

Acq: 12 Feb 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00146

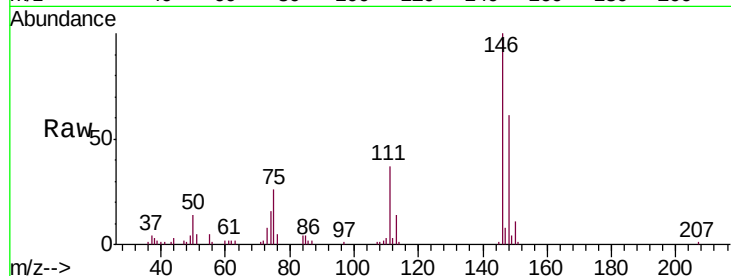
Tgt Ion:146 Resp: 38308

Ion Ratio Lower Upper

146 100

111 37.4 26.1 48.5

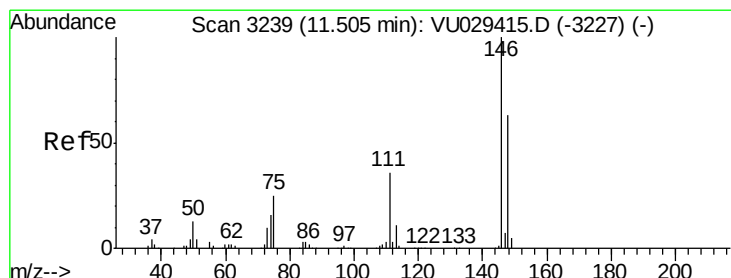
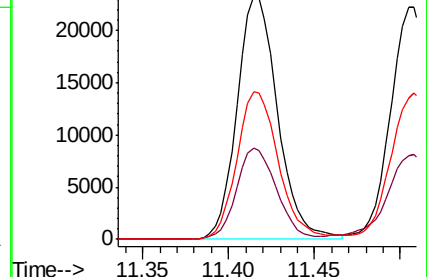
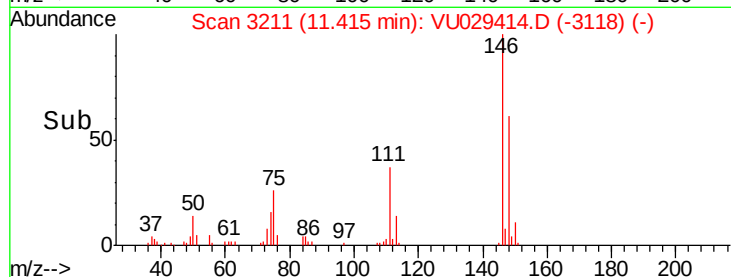
148 60.7 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 1.138 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU029414.D

Acq: 12 Feb 2019 12:34

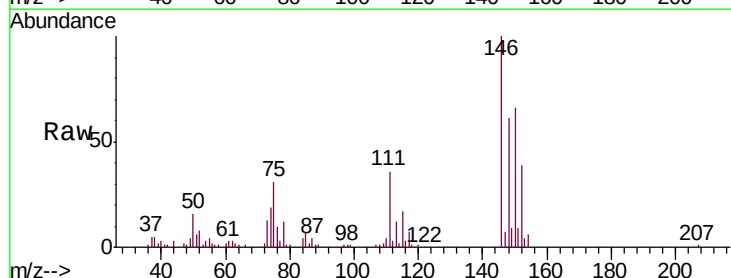
Tgt Ion:146 Resp: 38641

Ion Ratio Lower Upper

146 100

111 36.0 25.6 47.6

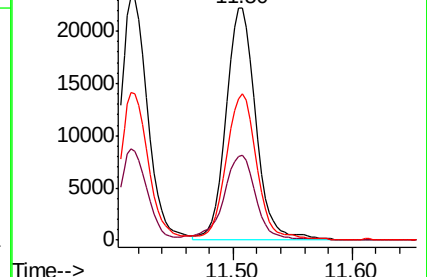
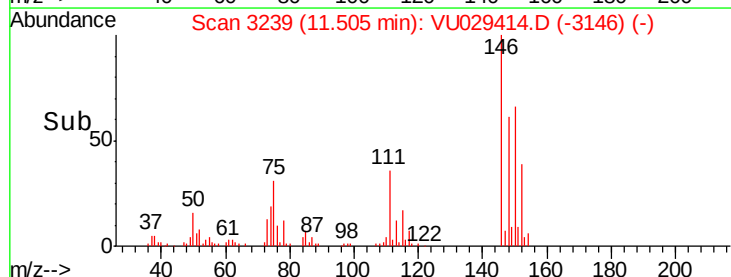
148 60.9 44.2 82.0

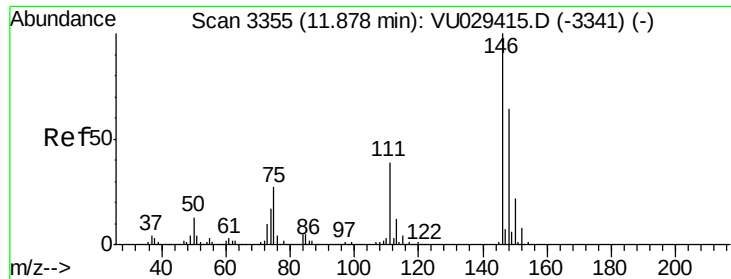


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

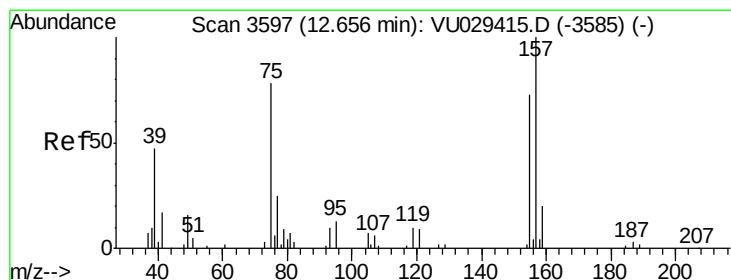
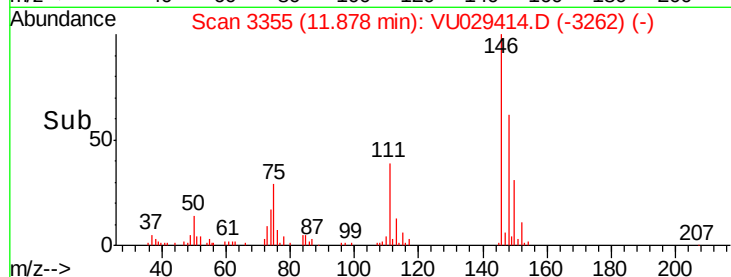
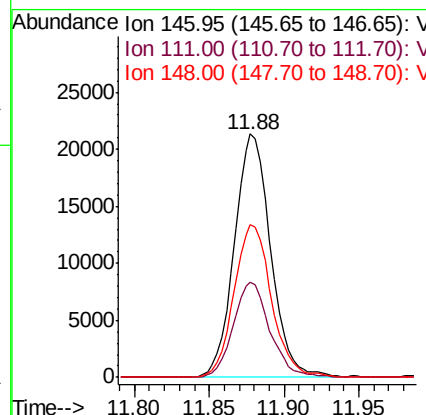
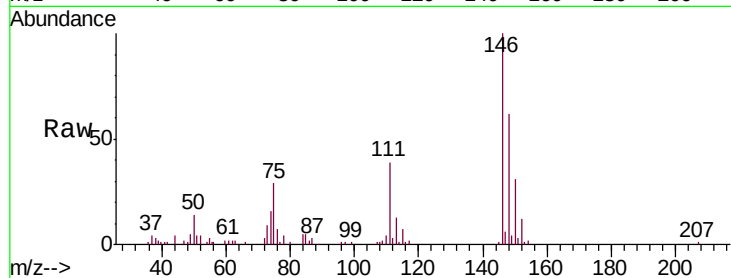




#65
 1,2-Dichlorobenzene
 Concen: 1.149 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VU029414.D
 Acq: 12 Feb 2019 12:34

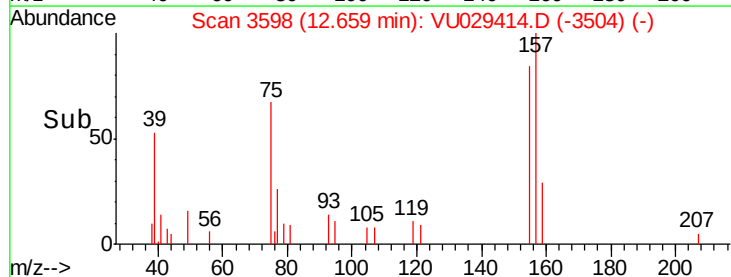
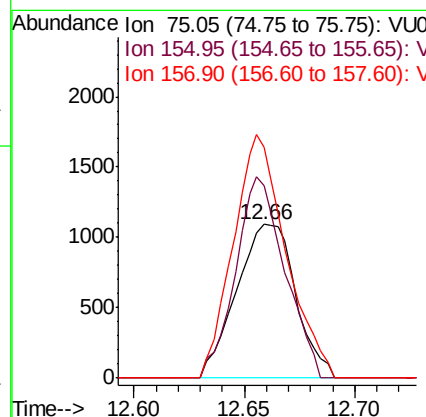
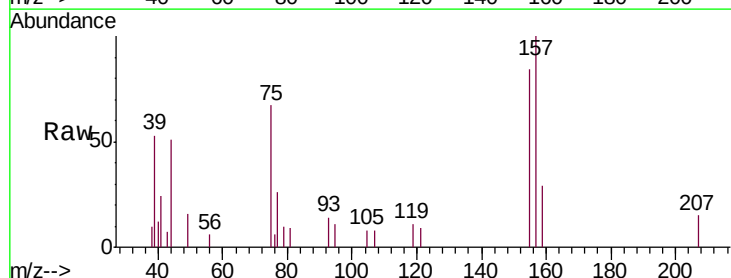
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00146

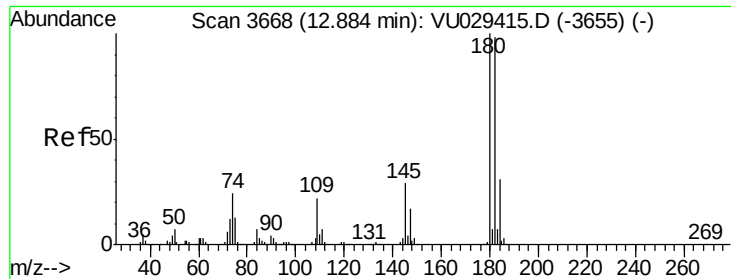
Tgt Ion:146 Resp: 36046
 Ion Ratio Lower Upper
 146 100
 111 39.3 30.9 46.3
 148 62.5 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.974 ug/L
 RT: 12.66 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VU029414.D
 Acq: 12 Feb 2019 12:34

Tgt Ion: 75 Resp: 2030
 Ion Ratio Lower Upper
 75 100
 155 125.3 75.3 112.9#
 157 150.0 103.0 154.4

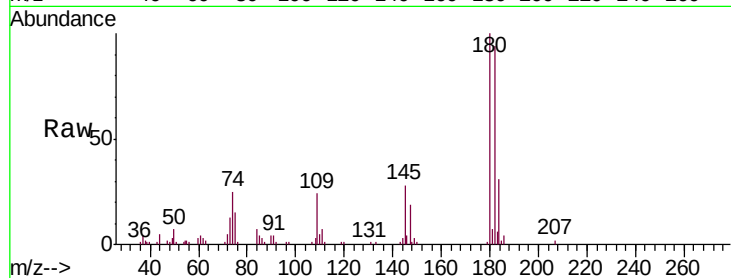




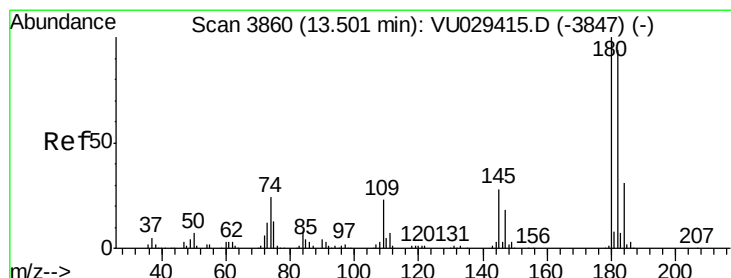
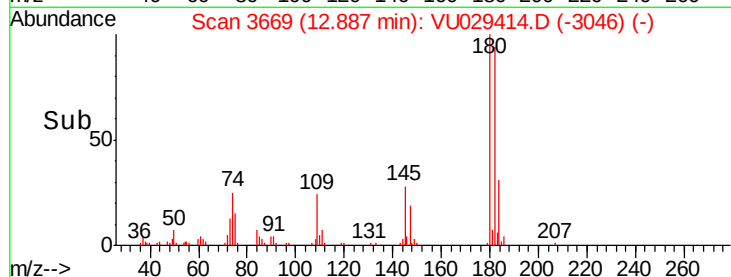
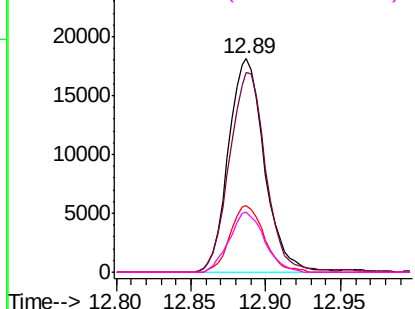
#67
 1,3,5-Trichlorobenzene
 Concen: 1.098 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.00 min
 Lab File: VU029414.D
 Acq: 12 Feb 2019 12:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00146

Tgt Ion:	180	Resp:	30367
Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.0	114.0
184	29.7	24.1	36.1
145	27.5	22.6	34.0

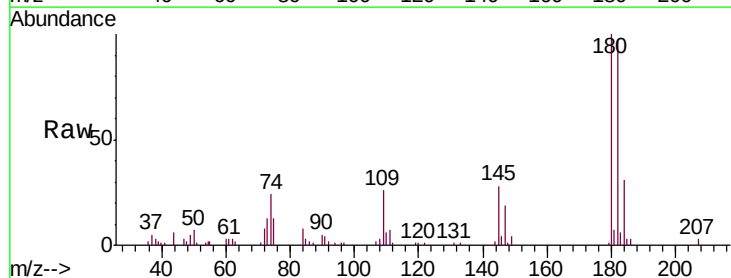


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

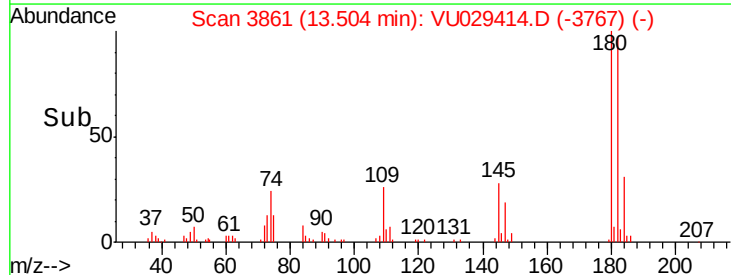
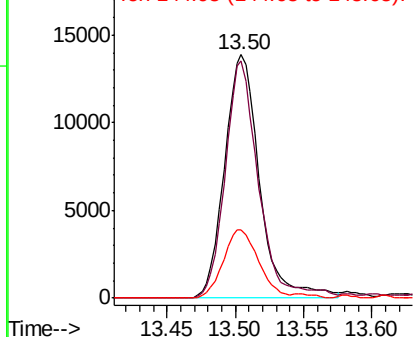


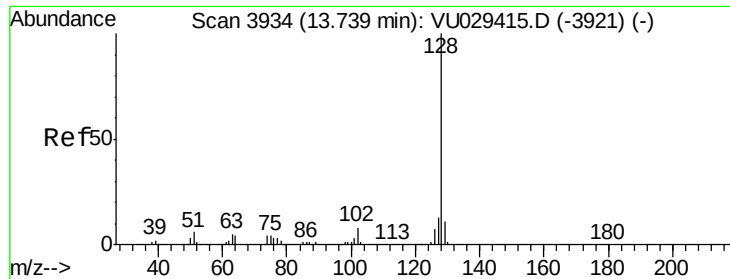
#68
 1,2,4-trichlorobenzene
 Concen: 1.029 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.00 min
 Lab File: VU029414.D
 Acq: 12 Feb 2019 12:34

Tgt Ion:	180	Resp:	24712
Ion	Ratio	Lower	Upper
180	100		
182	92.9	77.1	115.7
145	28.3	23.1	34.7



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





#69

Naphthalene

Concen: 1.128 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU029414.D

Acq: 12 Feb 2019 12:34

Instrument :

MSVOA_U

ClientSampled :

VSTD00146

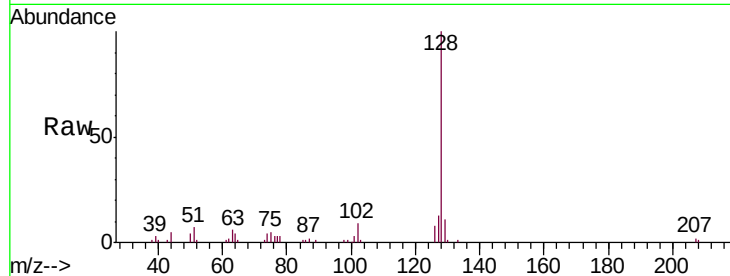
Tgt Ion:128 Resp: 42381

Ion Ratio Lower Upper

128 100

129 10.0 8.7 13.1

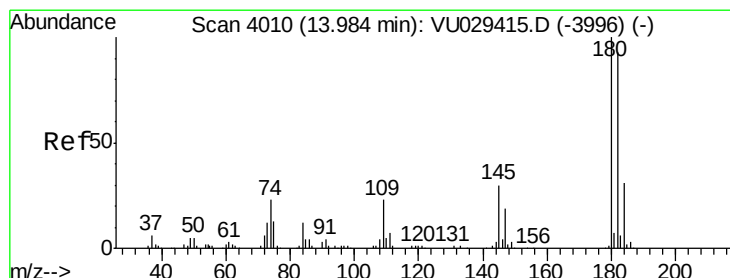
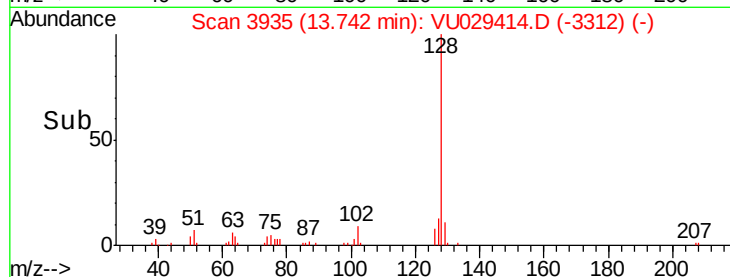
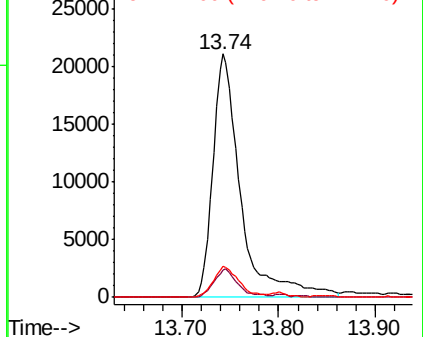
127 11.6 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.095 ug/L

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU029414.D

Acq: 12 Feb 2019 12:34

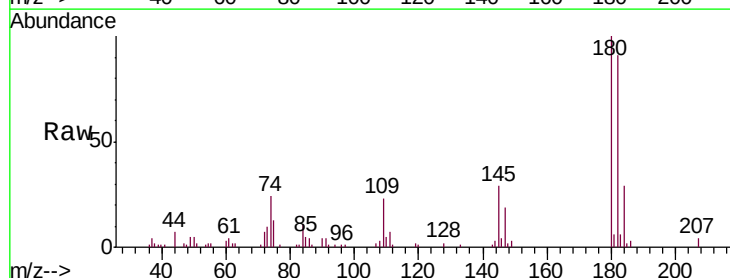
Tgt Ion:180 Resp: 23884

Ion Ratio Lower Upper

180 100

182 96.5 75.9 113.9

145 30.0 23.8 35.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

