

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020119\
 Data File : VU029330.D
 Acq On : 01 Feb 2019 12:31
 Operator : JC/SP
 Sample : VSTD01046
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01046

Quant Time: Feb 01 23:06:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR020119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Feb 01 23:02:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	64033	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	65945	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	35517	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	53985	10.46	ug/L	0.00
7) Chloroethane-d5	1.68	69	51040	10.16	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	139029	10.03	ug/L	0.00
20) 2-Butanone-d5	4.20	46	167598	103.37	ug/L	0.00
24) Chloroform-d	4.64	84	122244	10.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	75678	10.29	ug/L	0.00
32) Benzene-d6	5.34	84	209401	10.58	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	63885	10.28	ug/L	0.00
41) Toluene-d8	7.56	98	199443	10.68	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	32192	11.00	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	141696	112.99	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	54008	10.08	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	79018	10.40	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	83985	9.919 ug/L	99
3) Chloromethane	1.32	50	62718	9.935 ug/L	98
5) Vinyl chloride	1.40	62	69351	10.336 ug/L	98
6) Bromomethane	1.63	94	41953	9.443 ug/L	97
8) Chloroethane	1.70	64	44488	8.836 ug/L	99
9) Trichlorofluoromethane	1.88	101	123516	9.996 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	56149	9.616 ug/L	99
12) 1,1-Dichloroethene	2.28	96	49609	9.983 ug/L	98
13) Acetone	2.33	43	133648	89.334 ug/L	98
14) Carbon disulfide	2.48	76	178880	9.549 ug/L	98
15) Methyl Acetate	2.62	43	30771	8.732 ug/L	96
16) Methylene chloride	2.70	84	53729	8.966 ug/L	97
17) Methyl tert-butyl Ether	3.00	73	152665	9.642 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	52461	9.439 ug/L	98
19) 1,1-Dichloroethane	3.44	63	108881	9.092 ug/L	99
21) 2-Butanone	4.28	43	161617	98.681 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	54789	10.191 ug/L	100
23) Bromochloromethane	4.55	128	24246	10.083 ug/L	94
25) Chloroform	4.67	83	110048	9.718 ug/L	100
27) 1,2-Dichloroethane	5.41	62	84930	9.859 ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	105464	9.821 ug/L	100
30) Cyclohexane	4.99	56	86645	10.255 ug/L	99
31) Carbon tetrachloride	5.13	117	92418	9.805 ug/L	98
33) Benzene	5.39	78	212169	9.984 ug/L	100
34) Trichloroethene	6.18	95	56931	9.878 ug/L	97
35) Methylcyclohexane	6.41	83	88033	10.402 ug/L	99
37) 1,2-Dichloropropane	6.43	63	57548	10.006 ug/L	99
38) Bromodichloromethane	6.76	83	80782	9.717 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	86386	10.315 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	398229	100.165 ug/L	99

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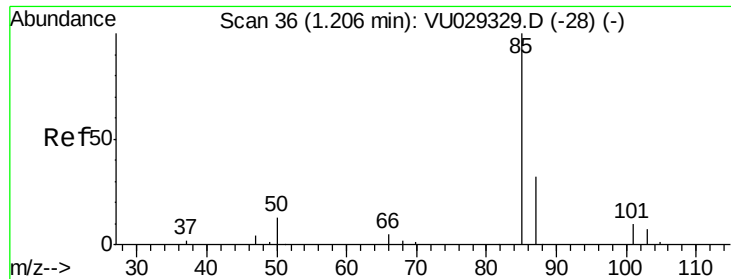
Instrument :
 MSVOA_U
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	232273	10.352	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	78502	10.355	ug/L	93
45) 1,1,2-Trichloroethane	8.06	97	39244	9.836	ug/L	97
47) Tetrachloroethene	8.23	164	47026	9.859	ug/L	95
48) 2-Hexanone	8.36	43	296459	99.523	ug/L	100
49) Dibromochloromethane	8.47	129	52890	9.898	ug/L	98
50) 1,2-Dibromoethane	8.58	107	37948	10.042	ug/L	97
51) Chlorobenzene	9.12	112	144264	9.906	ug/L	98
52) Ethylbenzene	9.25	91	262368	10.536	ug/L	100
53) m,p-xylene	9.37	106	98623	10.521	ug/L	95
54) o-xylene	9.78	106	95297	10.615	ug/L	97
55) Styrene	9.79	104	165551	10.731	ug/L	95
56) Isopropylbenzene	10.16	105	260725	10.675	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	49595	9.628	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	38937	9.502	ug/L	98
61) Bromoform	9.95	173	31271	9.580	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	120075	9.877	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	125995	9.932	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	116983	9.846	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	10216	9.875	ug/L	93
67) 1,3,5-Trichlorobenzene	12.88	180	102467	10.021	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	87372	10.002	ug/L	99
69) Naphthalene	13.74	128	148990	10.572	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	83012	9.703	ug/L	100

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

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ALS Vial  : 6    Sample Multiplier: 1
```



#2

Dichlorodifluoromethane

Concen: 9.919 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU029330.D

Acq: 01 Feb 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

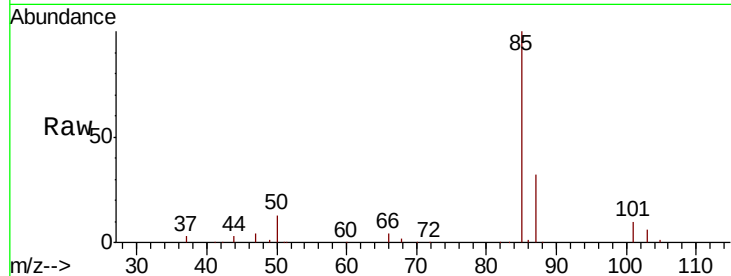
VSTD01046

Tgt Ion: 85 Resp: 83985

Ion Ratio Lower Upper

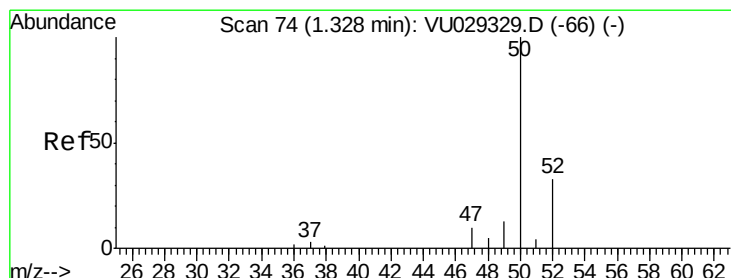
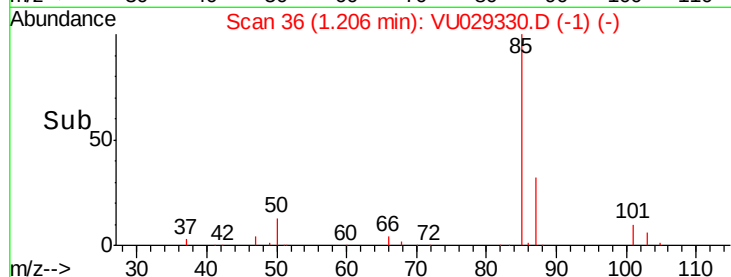
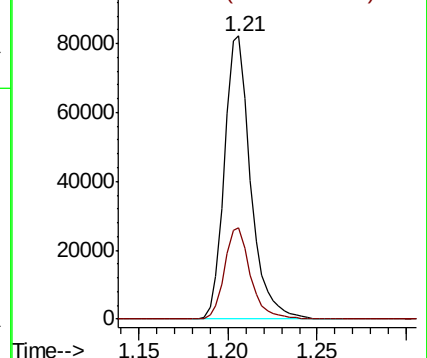
85 100

87 32.0 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 9.935 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029330.D

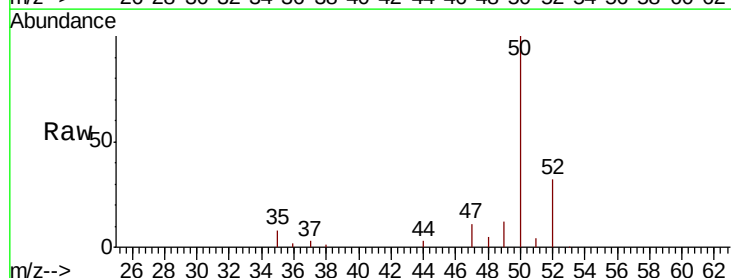
Acq: 01 Feb 2019 12:31

Tgt Ion: 50 Resp: 62718

Ion Ratio Lower Upper

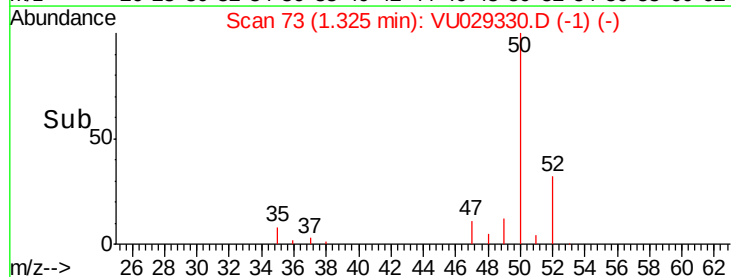
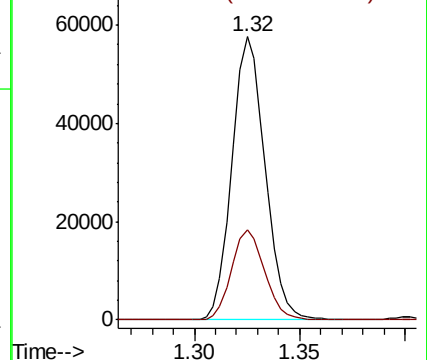
50 100

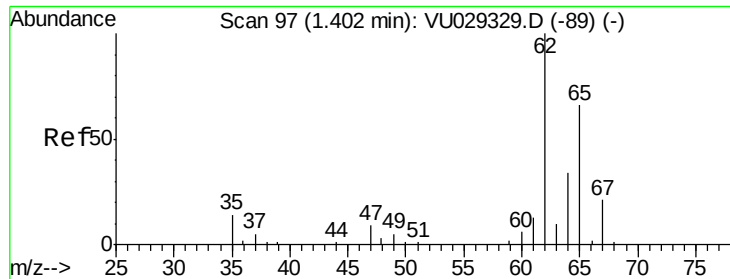
52 32.0 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 10.336 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029330.D

Acq: 01 Feb 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

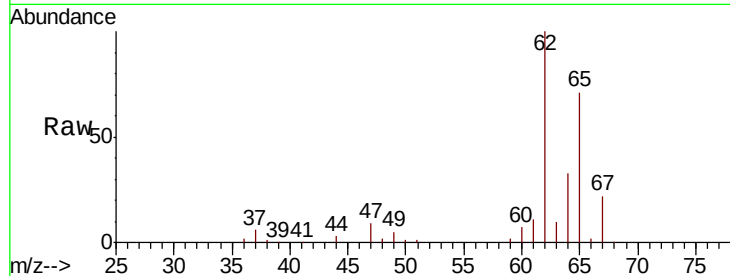
VSTD01046

Tgt Ion: 62 Resp: 69351

Ion Ratio Lower Upper

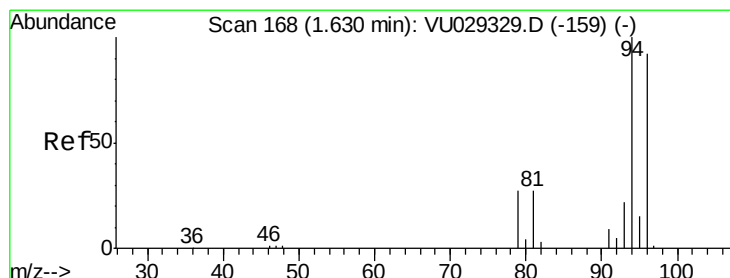
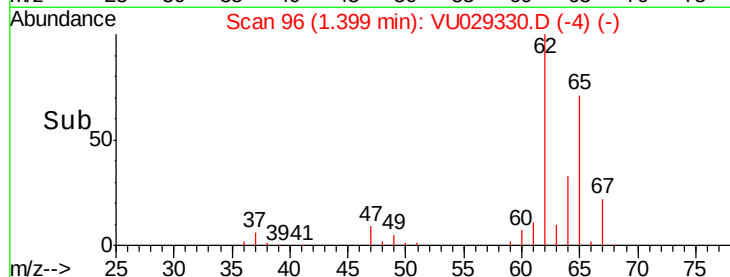
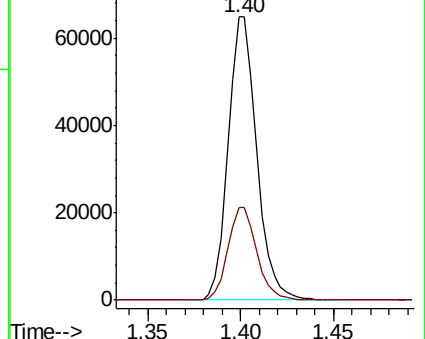
62 100

64 32.9 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 9.443 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU029330.D

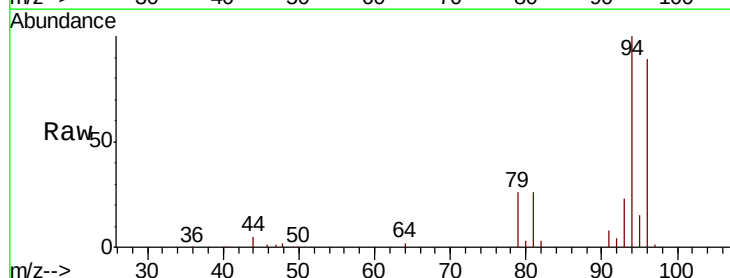
Acq: 01 Feb 2019 12:31

Tgt Ion: 94 Resp: 41953

Ion Ratio Lower Upper

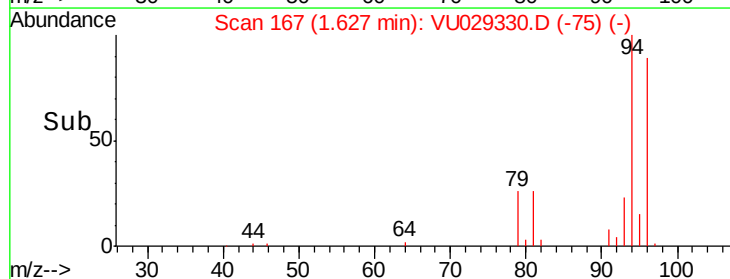
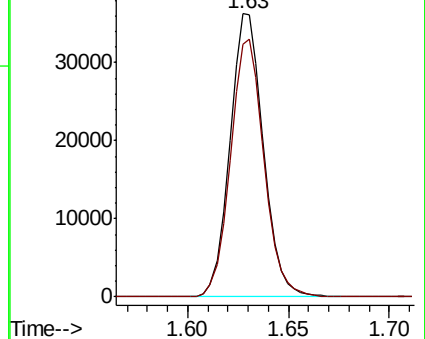
94 100

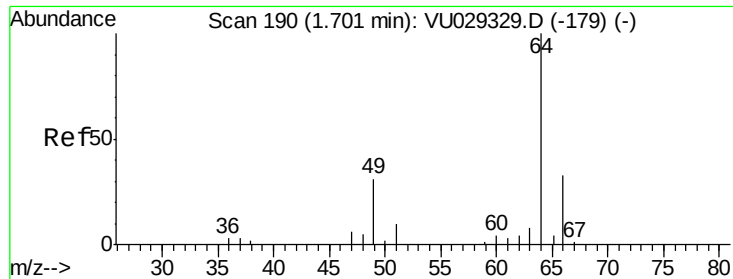
96 89.2 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

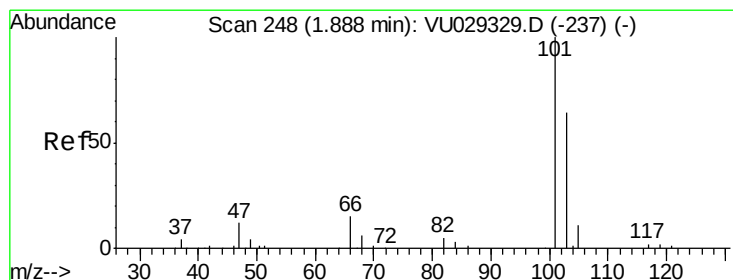
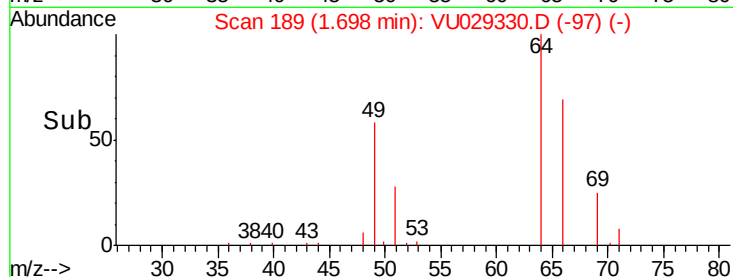
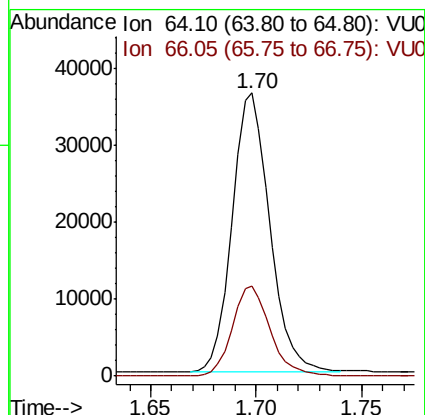
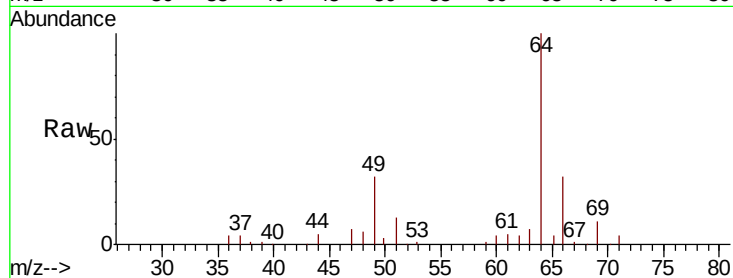




#8
Chloroethane
Concen: 8.836 ug/L
RT: 1.70 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU029330.D
Acq: 01 Feb 2019 12:31

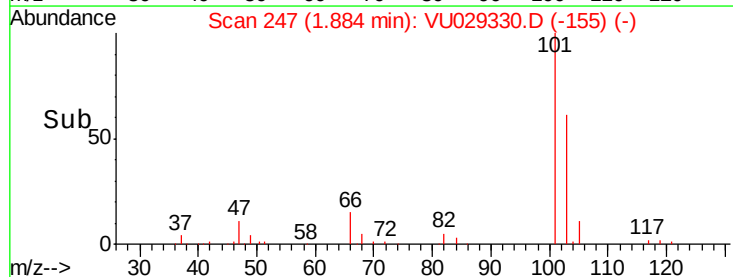
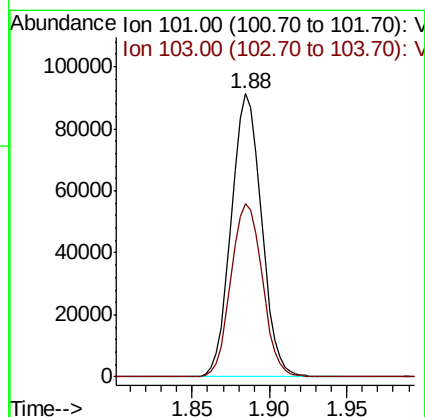
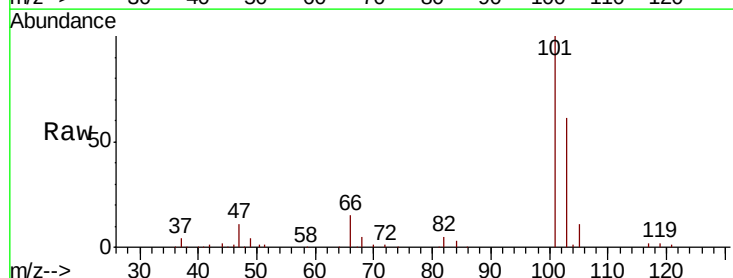
Instrument :
MSVOA_U
ClientSampleId :
VSTD01046

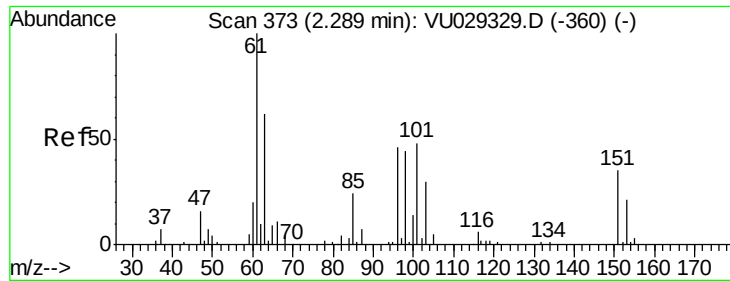
Tgt Ion: 64 Resp: 44488
Ion Ratio Lower Upper
64 100
66 32.0 22.7 42.3



#9
Trichlorofluoromethane
Concen: 9.996 ug/L
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU029330.D
Acq: 01 Feb 2019 12:31

Tgt Ion: 101 Resp: 123516
Ion Ratio Lower Upper
101 100
103 63.5 51.4 77.2





#10

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

Concen: 9.616 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU029330.D

Acq: 01 Feb 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD01046

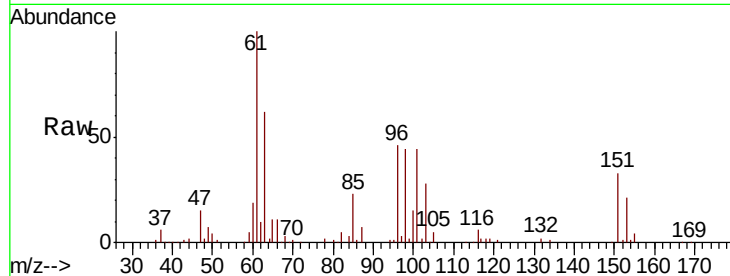
Tgt Ion:101 Resp: 56149

Ion Ratio Lower Upper

101 100

85 49.5 39.6 59.4

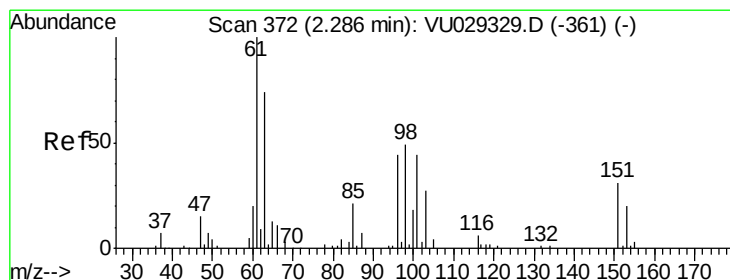
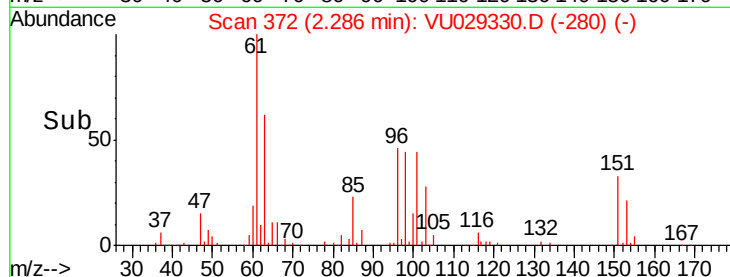
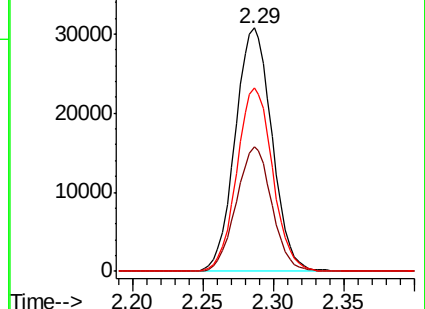
151 73.6 57.2 85.8



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: 9.983 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029330.D

Acq: 01 Feb 2019 12:31

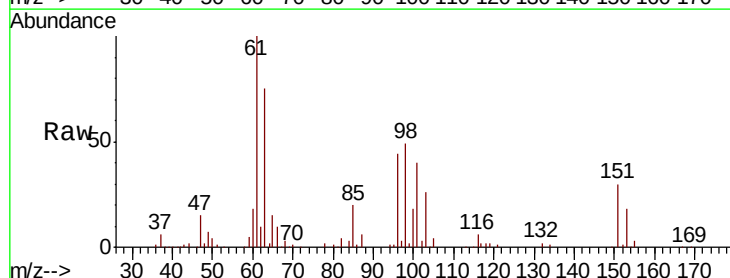
Tgt Ion: 96 Resp: 49609

Ion Ratio Lower Upper

96 100

61 227.8 159.5 296.1

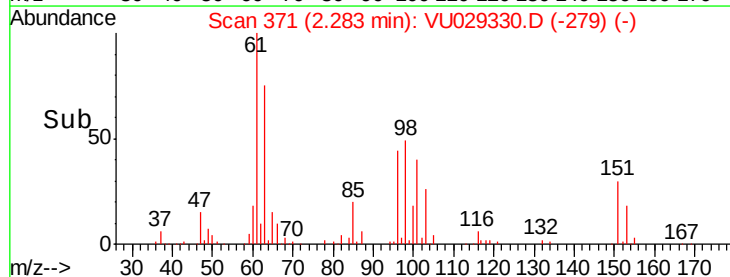
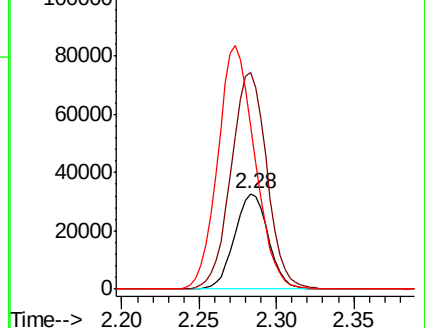
63 171.4 124.3 230.8

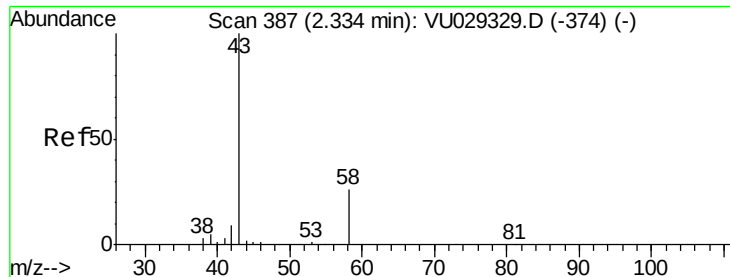


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 89.334 ug/L

RT: 2.33 min Scan# 387

Delta R.T. 0.00 min

Lab File: VU029330.D

Acq: 01 Feb 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

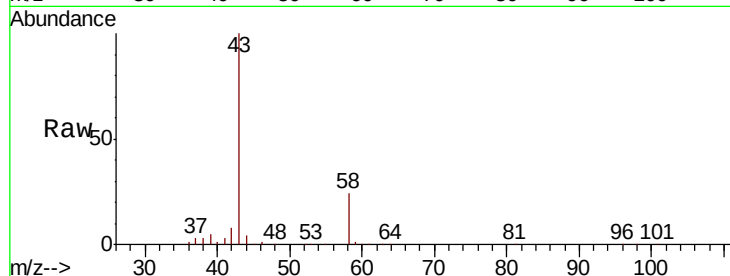
VSTD01046

Tgt Ion: 43 Resp: 133648

Ion Ratio Lower Upper

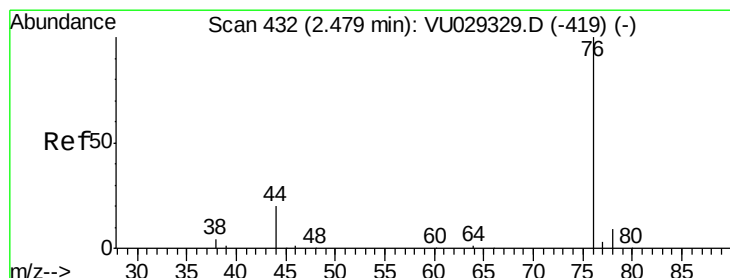
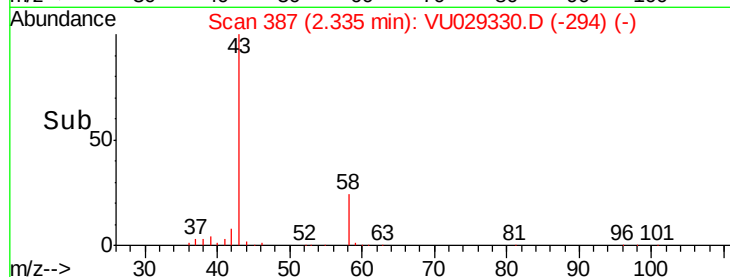
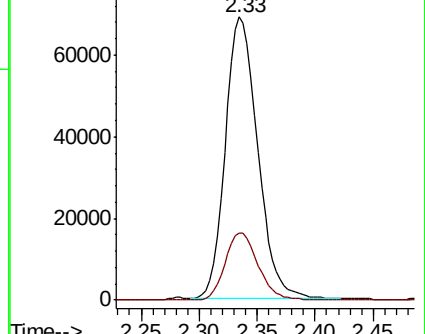
43 100

58 23.9 0.0 50.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 9.549 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU029330.D

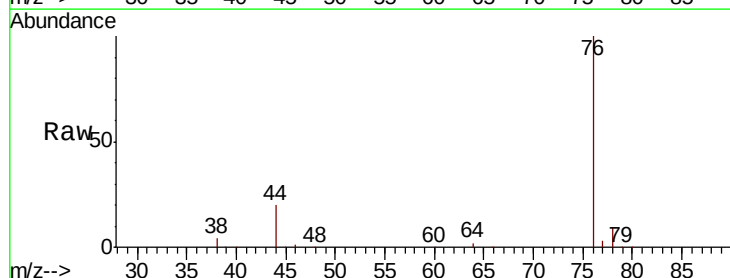
Acq: 01 Feb 2019 12:31

Tgt Ion: 76 Resp: 178880

Ion Ratio Lower Upper

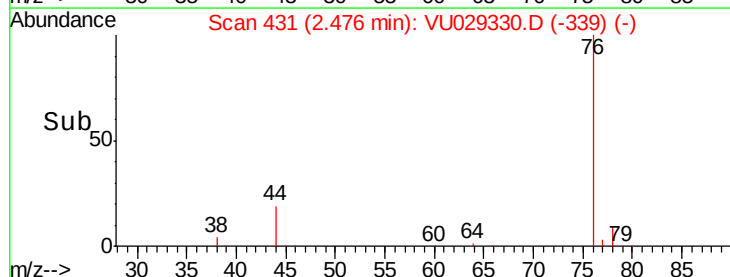
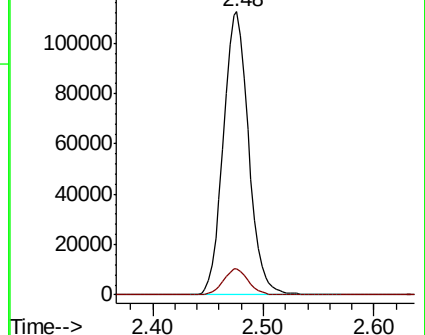
76 100

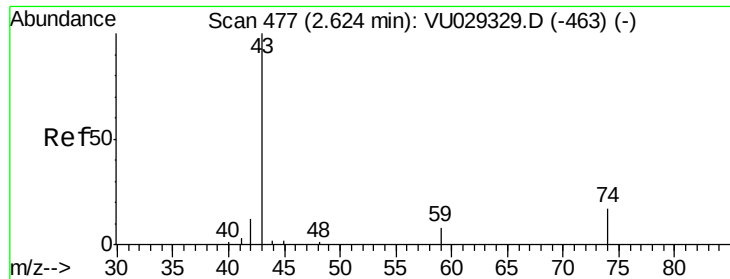
78 9.2 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

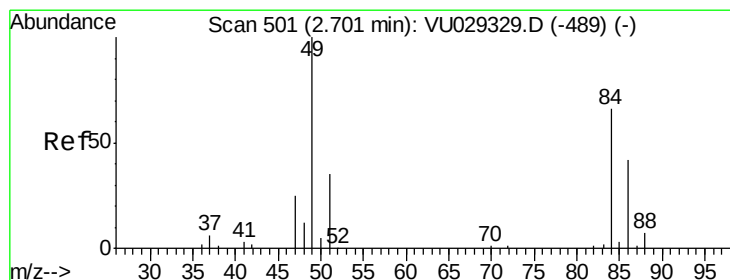
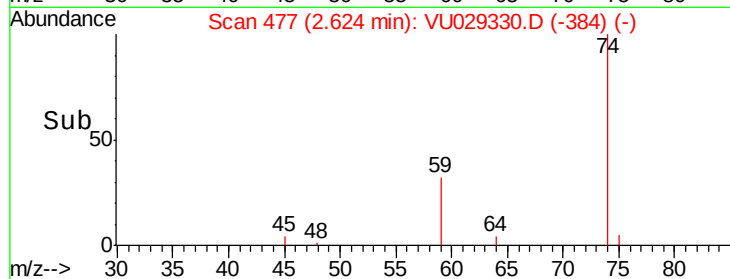
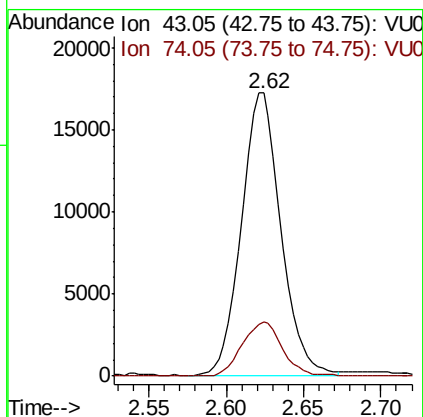
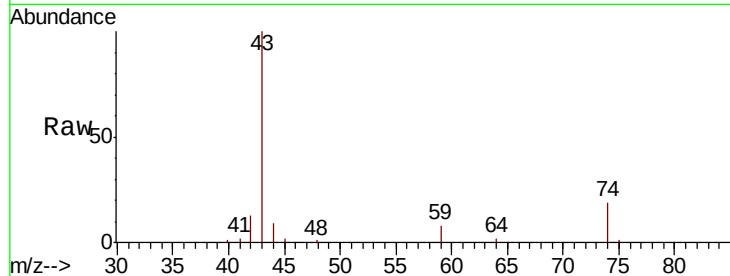




#15
Methyl Acetate
Concen: 8.732 ug/L
RT: 2.62 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU029330.D
Acq: 01 Feb 2019 12:31

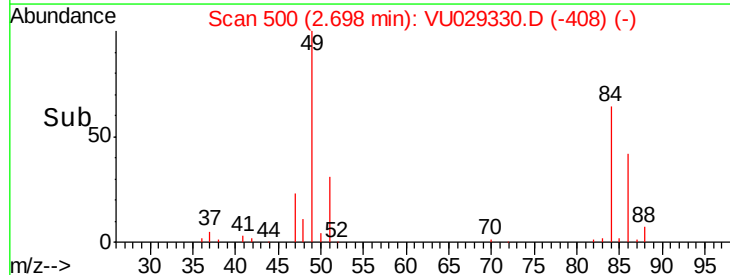
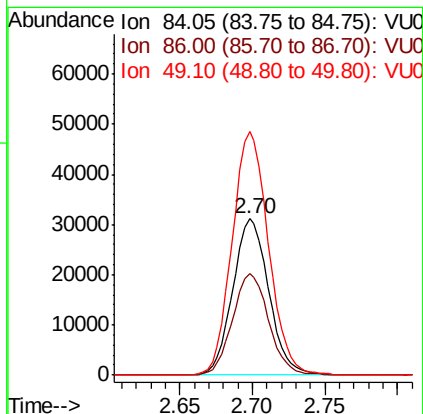
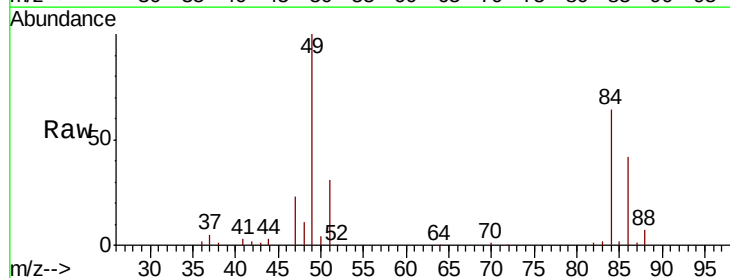
Instrument :
MSVOA_U
ClientSampleId :
VSTD01046

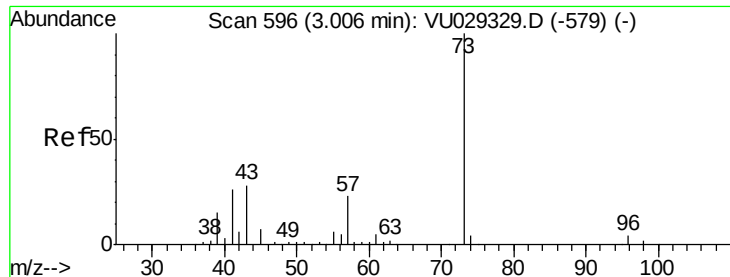
Tgt Ion: 43 Resp: 30771
Ion Ratio Lower Upper
43 100
74 19.5 14.2 21.4



#16
Methylene chloride
Concen: 8.966 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029330.D
Acq: 01 Feb 2019 12:31

Tgt Ion: 84 Resp: 53729
Ion Ratio Lower Upper
84 100
86 64.7 44.3 82.3
49 155.9 106.1 197.1

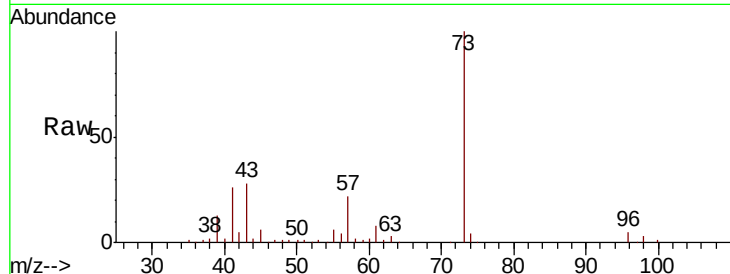




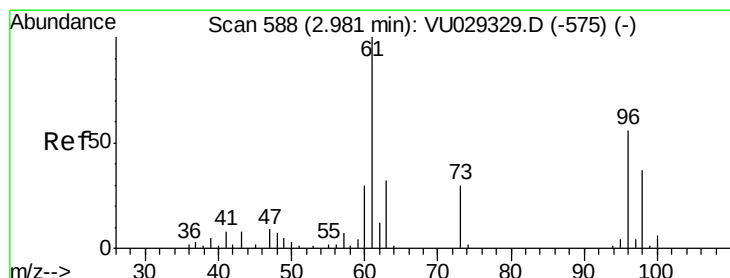
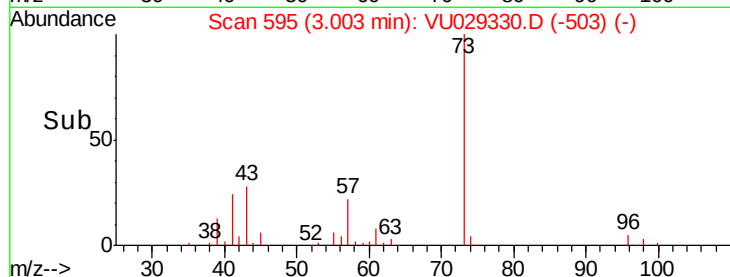
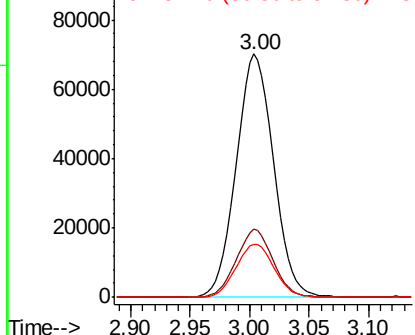
#17
Methyl tert-butyl Ether
Concen: 9.642 ug/L
RT: 3.00 min Scan# 595
Delta R.T. -0.00 min
Lab File: VU029330.D
Acq: 01 Feb 2019 12:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD01046

Tgt Ion: 73 Resp: 152665
Ion Ratio Lower Upper
73 100
43 27.8 21.9 32.9
57 22.3 18.2 27.2

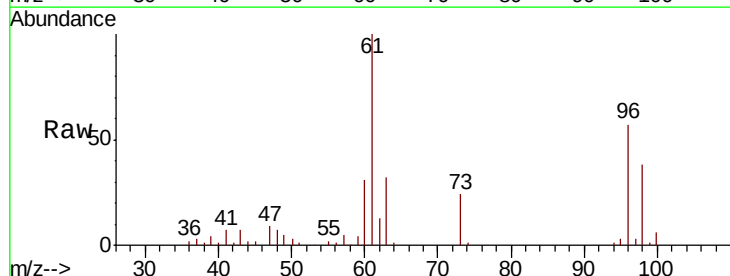


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

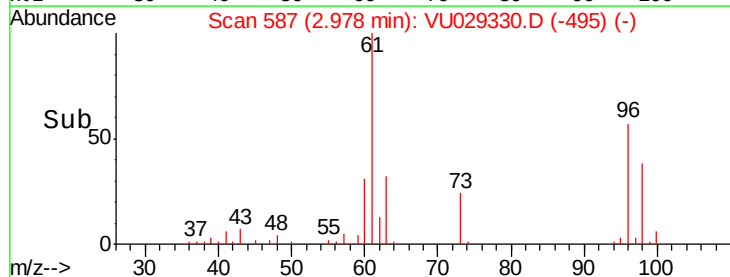
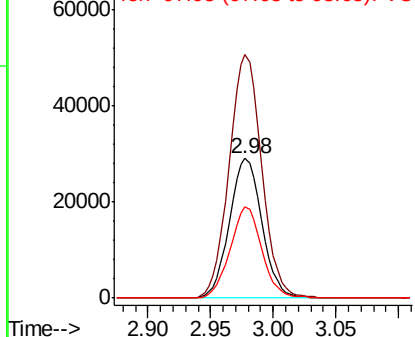


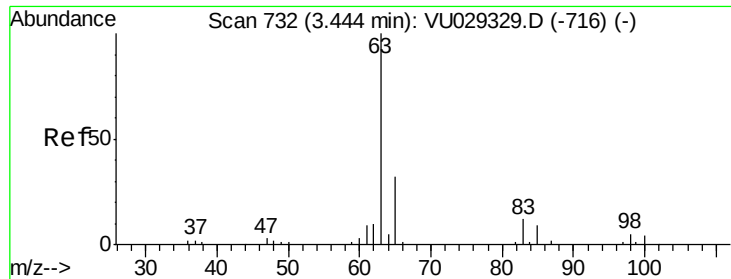
#18
trans-1,2-Dichloroethene
Concen: 9.439 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU029330.D
Acq: 01 Feb 2019 12:31

Tgt Ion: 96 Resp: 52461
Ion Ratio Lower Upper
96 100
61 174.3 124.3 230.9
98 65.5 45.9 85.3



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

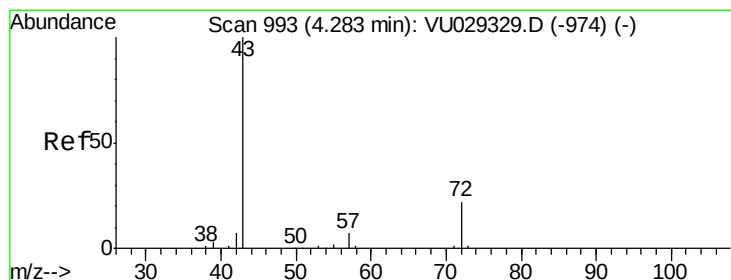
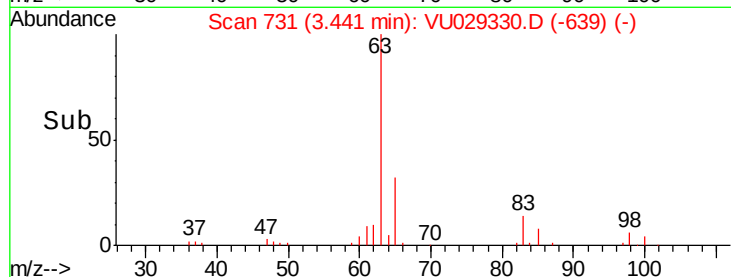
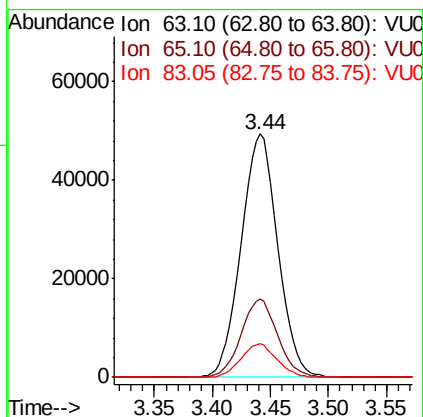
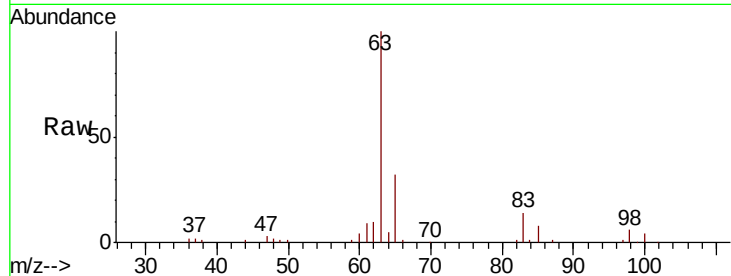




#19
 1,1-Dichloroethane
 Concen: 9.092 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU029330.D
 Acq: 01 Feb 2019 12:31

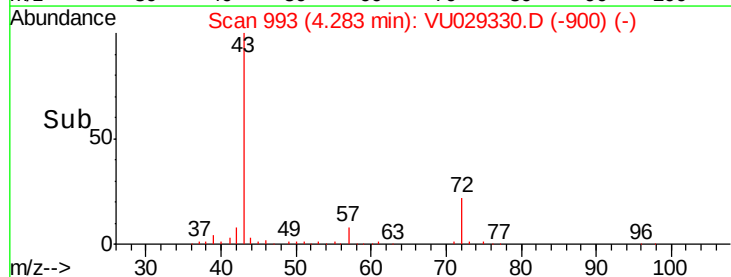
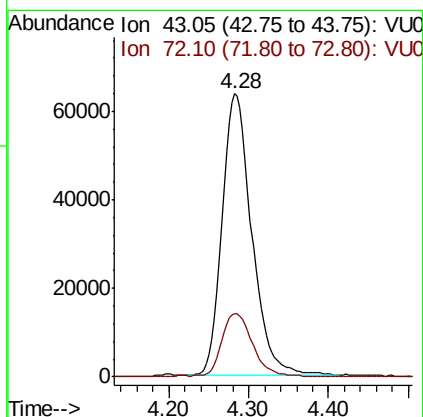
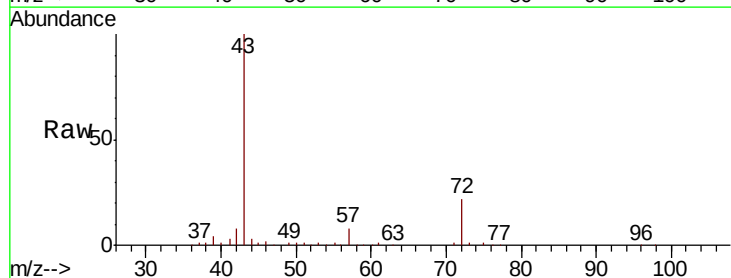
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01046

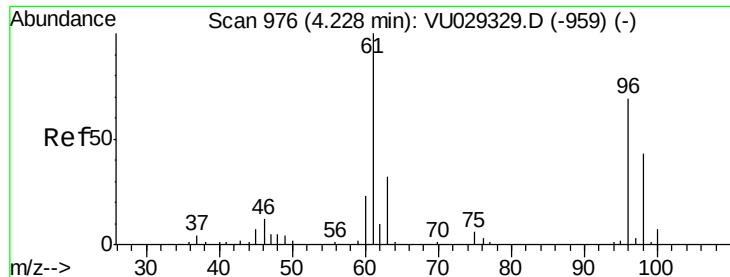
Tgt Ion: 63 Resp: 108881
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.5 41.7
 83 13.7 8.7 16.1



#21
 2-Butanone
 Concen: 98.681 ug/L
 RT: 4.28 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VU029330.D
 Acq: 01 Feb 2019 12:31

Tgt Ion: 43 Resp: 161617
 Ion Ratio Lower Upper
 43 100
 72 23.0 11.8 35.3



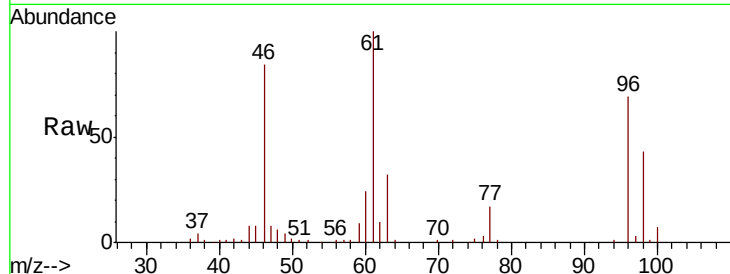


#22

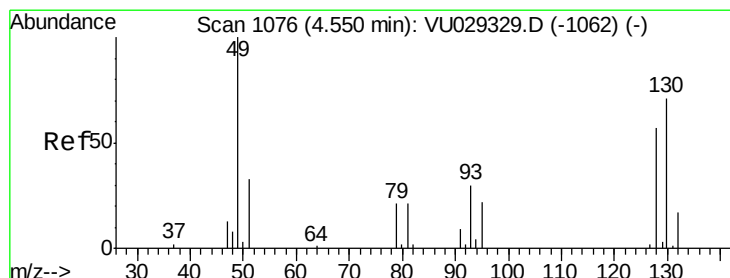
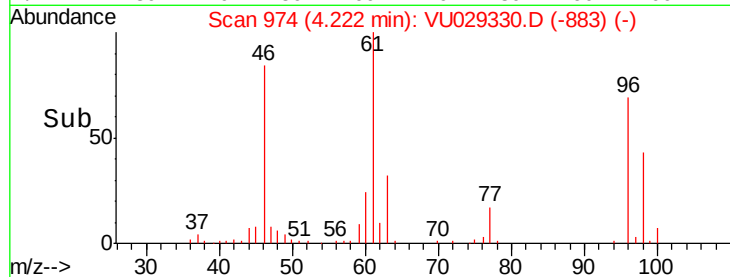
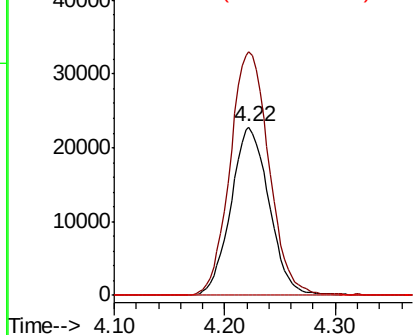
cis-1,2-Dichloroethene
 Concen: 10.191 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.01 min
 Lab File: VU029330.D
 Acq: 01 Feb 2019 12:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01046

Tgt Ion: 96 Resp: 54789
 Ion Ratio Lower Upper
 96 100
 61 144.7 101.4 188.2
 68 0.0 0.0 0.0



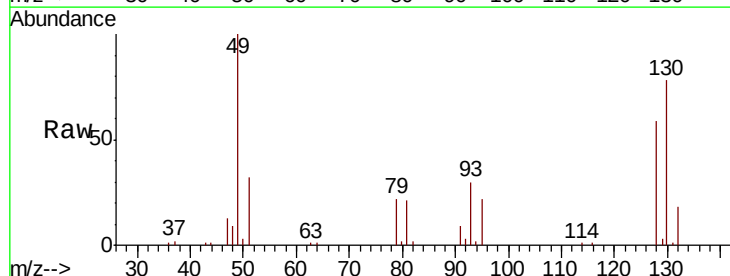
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



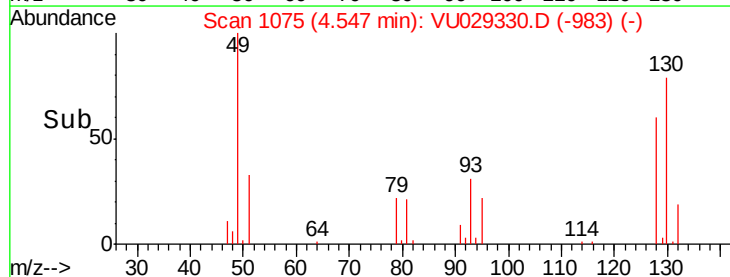
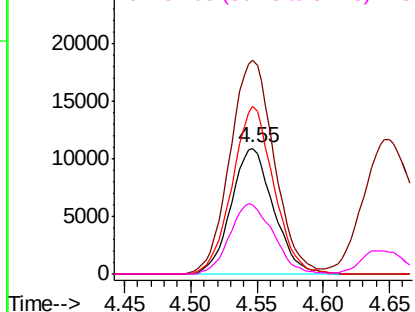
#23

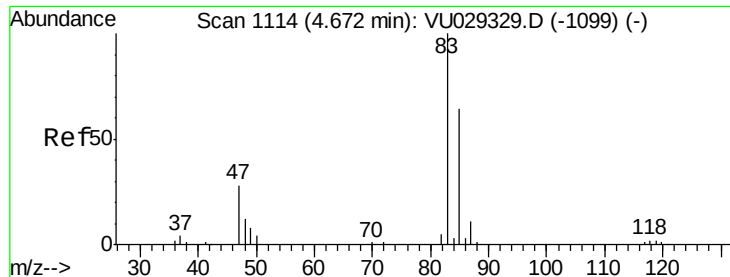
Bromochloromethane
 Concen: 10.083 ug/L
 RT: 4.55 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VU029330.D
 Acq: 01 Feb 2019 12:31

Tgt Ion: 128 Resp: 24246
 Ion Ratio Lower Upper
 128 100
 49 169.5 125.2 232.6
 130 132.6 87.8 163.0
 51 54.8 46.4 69.6



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

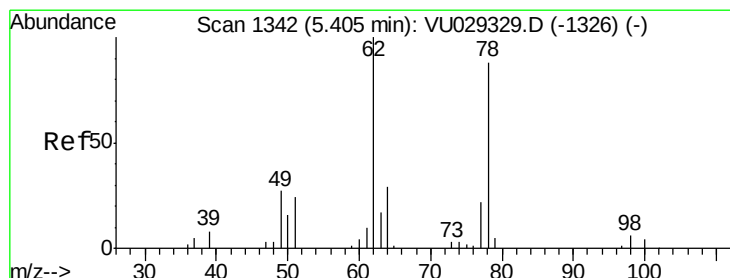
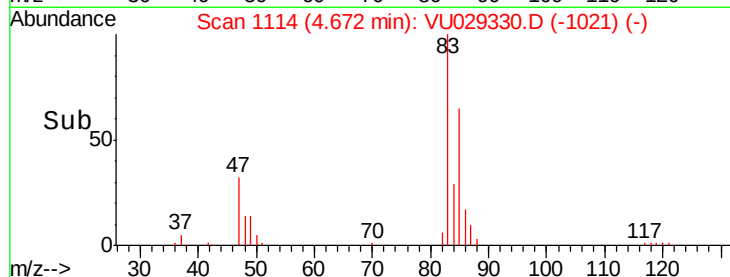
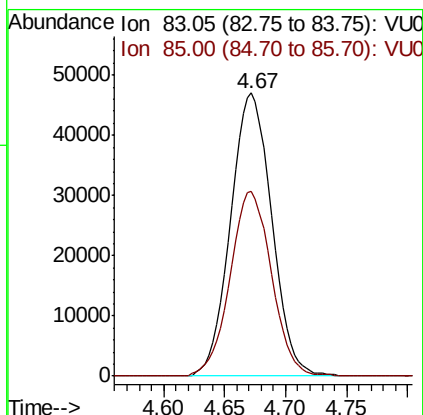
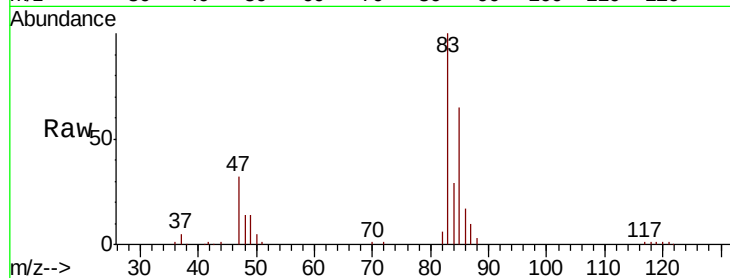




#25
Chloroform
Concen: 9.718 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029330.D
Acq: 01 Feb 2019 12:31

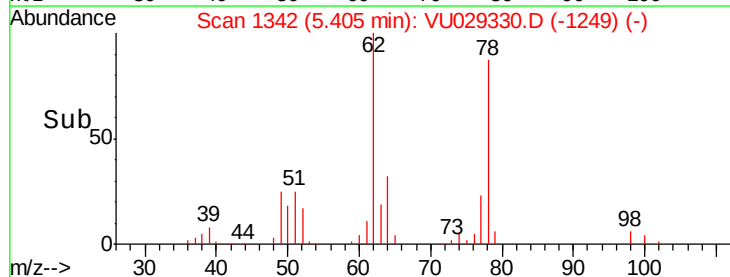
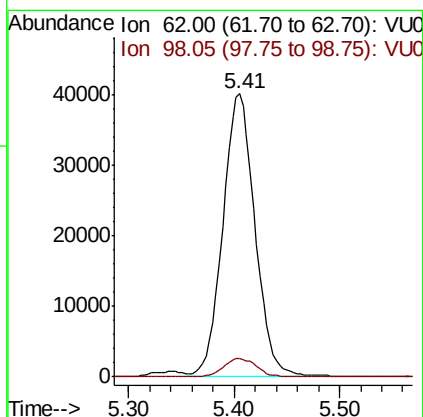
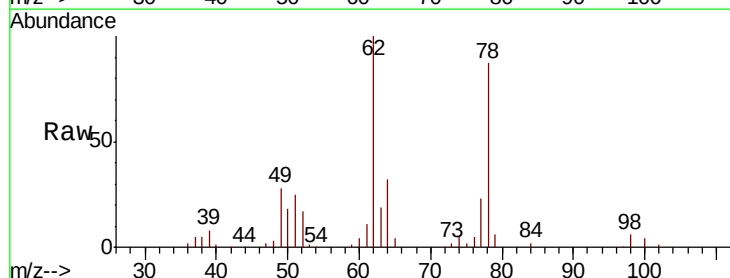
Instrument :
MSVOA_U
ClientSampleId :
VSTD01046

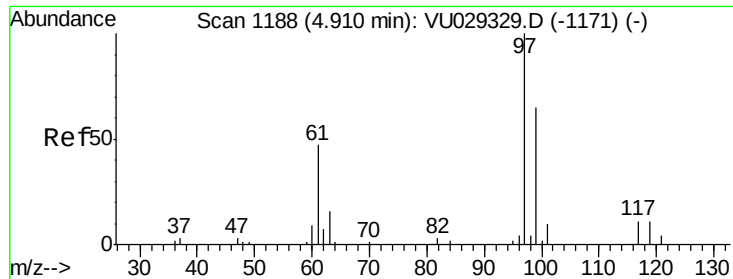
Tgt Ion: 83 Resp: 110048
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.6



#27
1,2-Dichloroethane
Concen: 9.859 ug/L
RT: 5.41 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VU029330.D
Acq: 01 Feb 2019 12:31

Tgt Ion: 62 Resp: 84930
Ion Ratio Lower Upper
62 100
98 6.4 4.9 7.3

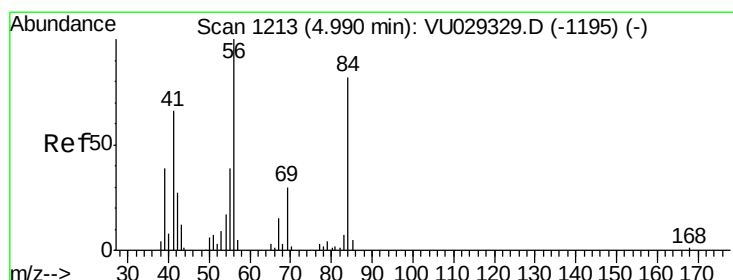
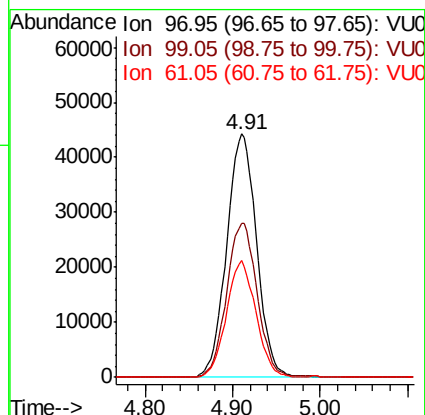
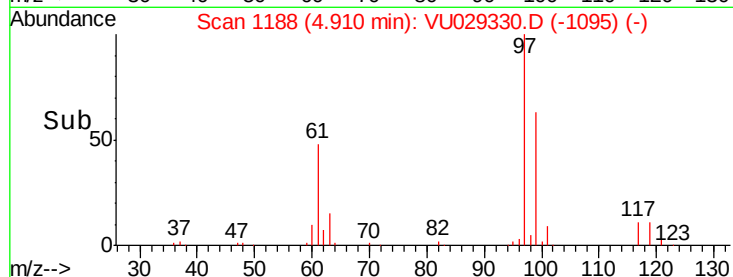
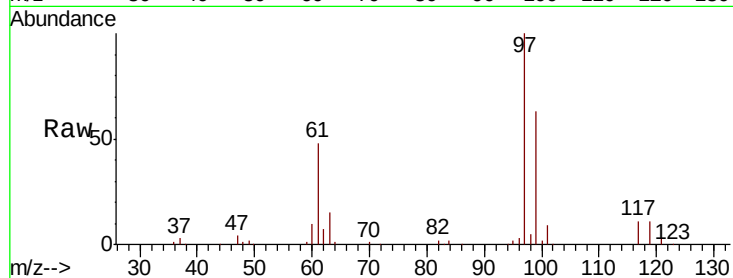




#29
1,1,1-Trichloroethane
Concen: 9.821 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029330.D
Acq: 01 Feb 2019 12:31

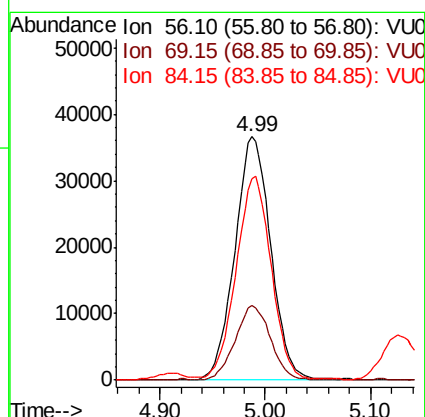
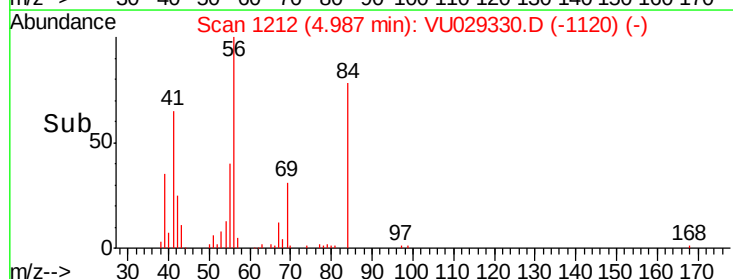
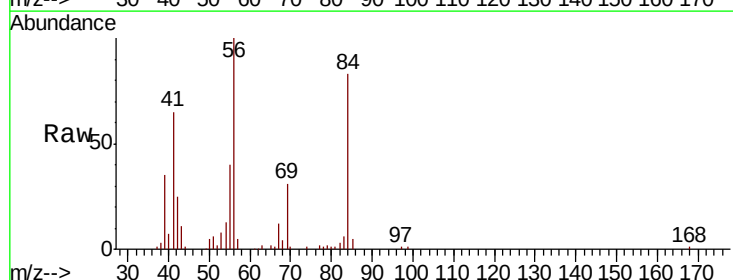
Instrument :
MSVOA_U
ClientSampleId :
VSTD01046

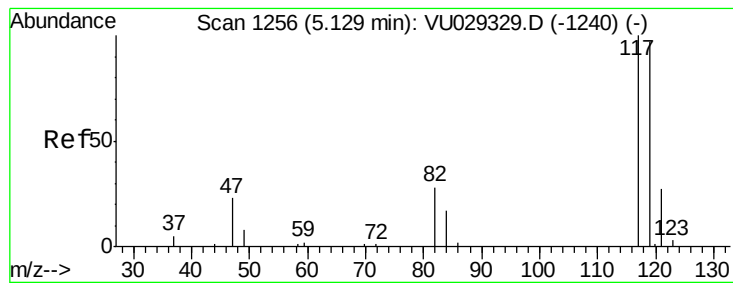
Tgt Ion: 97 Resp: 105464
Ion Ratio Lower Upper
97 100
99 64.3 51.6 77.4
61 47.1 37.8 56.8



#30
Cyclohexane
Concen: 10.255 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU029330.D
Acq: 01 Feb 2019 12:31

Tgt Ion: 56 Resp: 86645
Ion Ratio Lower Upper
56 100
69 30.1 24.1 36.1
84 81.3 66.4 99.6





#31

Carbon tetrachloride

Concen: 9.805 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU029330.D

Acq: 01 Feb 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

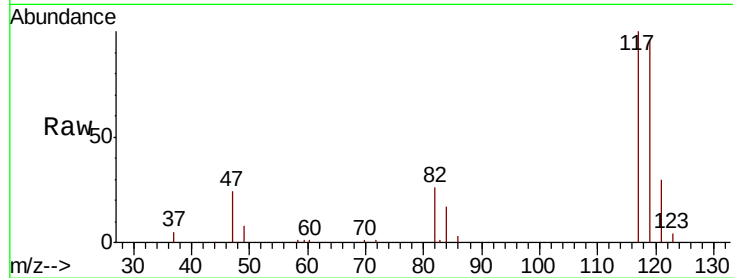
VSTD01046

Tgt Ion:117 Resp: 92418

Ion Ratio Lower Upper

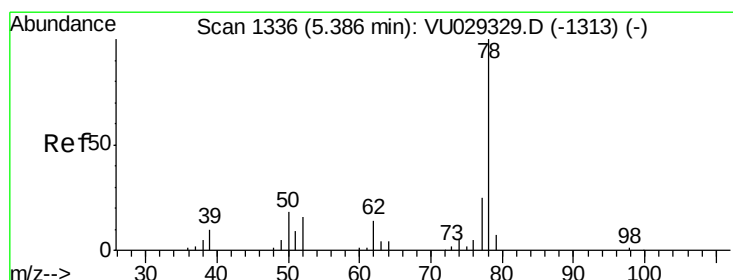
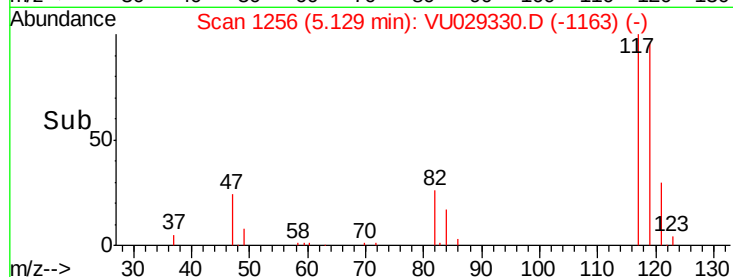
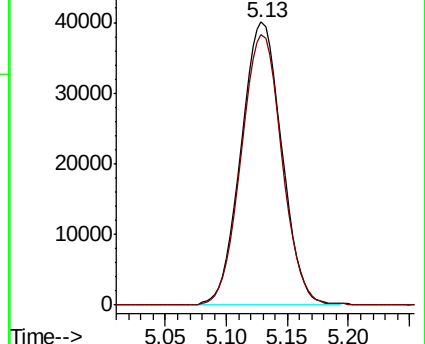
117 100

119 95.7 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.984 ug/L

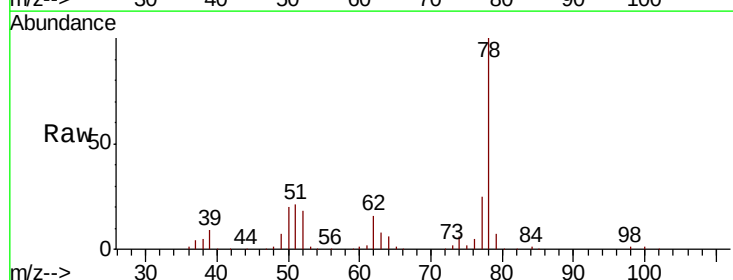
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

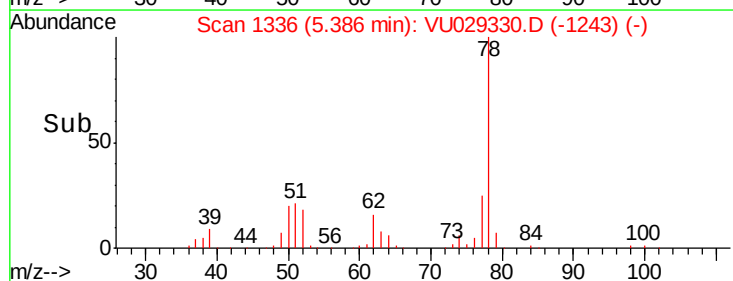
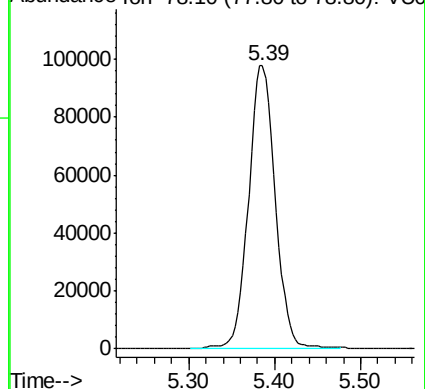
Lab File: VU029330.D

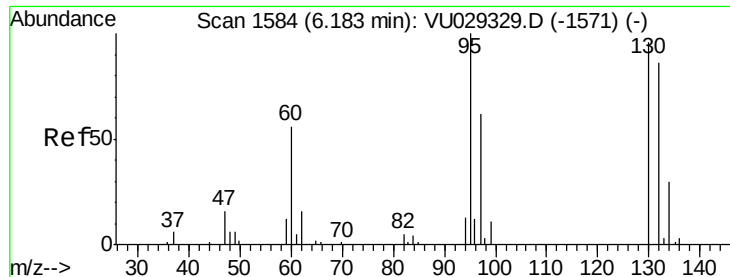
Acq: 01 Feb 2019 12:31

Tgt Ion: 78 Resp: 212169



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 9.878 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029330.D

Acq: 01 Feb 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD01046

Tgt Ion: 95 Resp: 56931

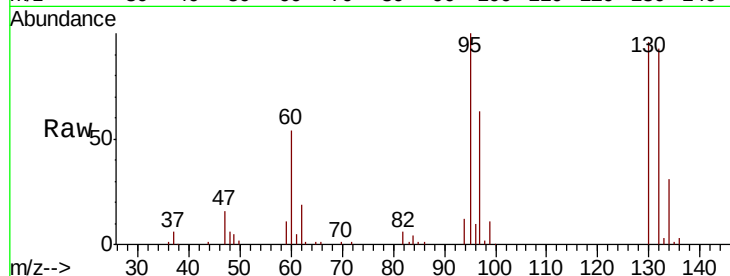
Ion Ratio Lower Upper

95 100

97 63.0 43.3 80.3

132 92.9 60.4 112.2

130 95.9 67.5 125.3

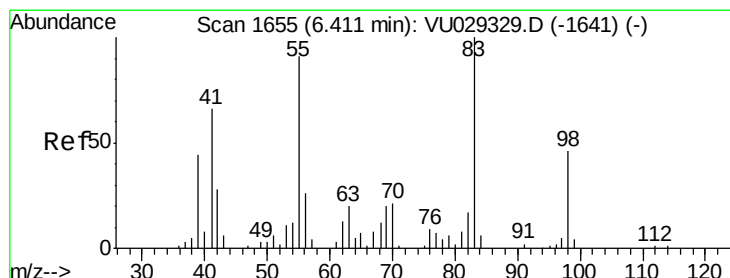
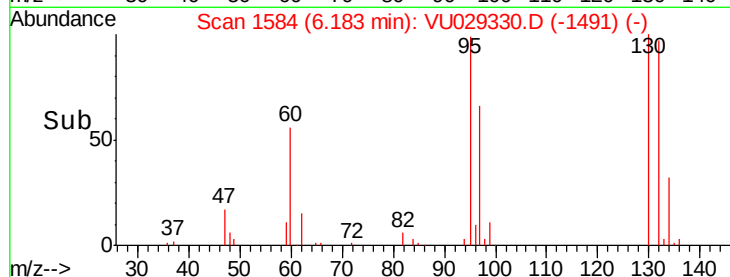
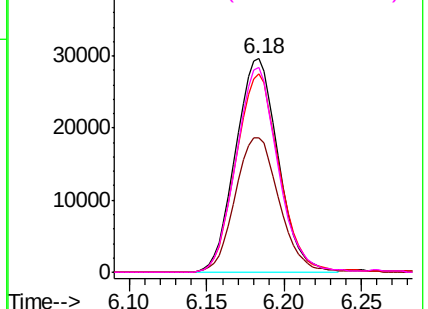


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 10.402 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU029330.D

Acq: 01 Feb 2019 12:31

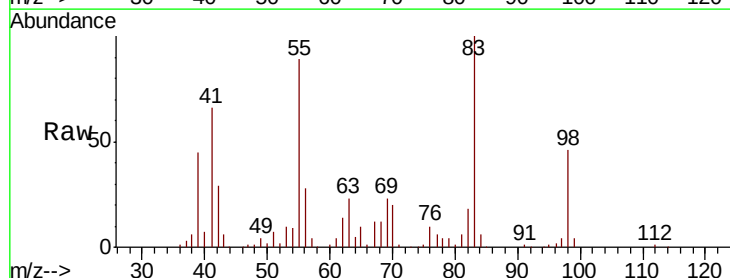
Tgt Ion: 83 Resp: 88033

Ion Ratio Lower Upper

83 100

55 89.7 72.2 108.4

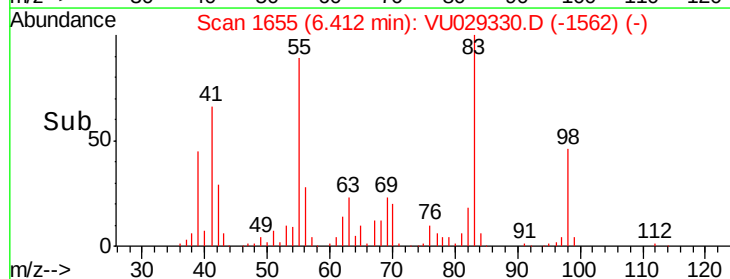
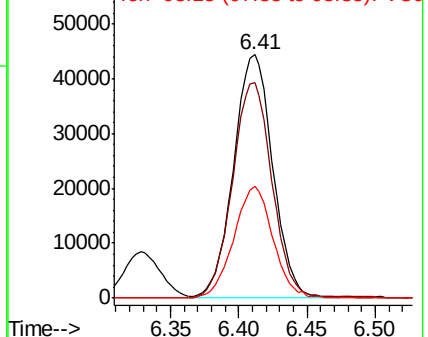
98 45.9 36.6 54.8

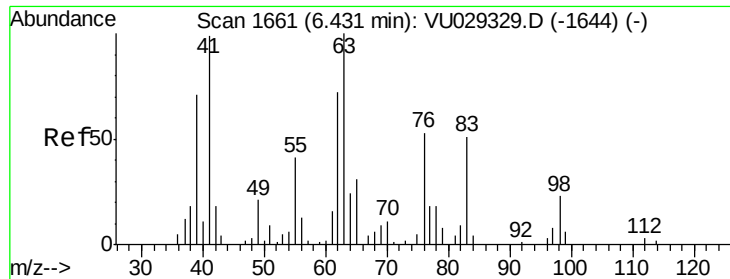


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

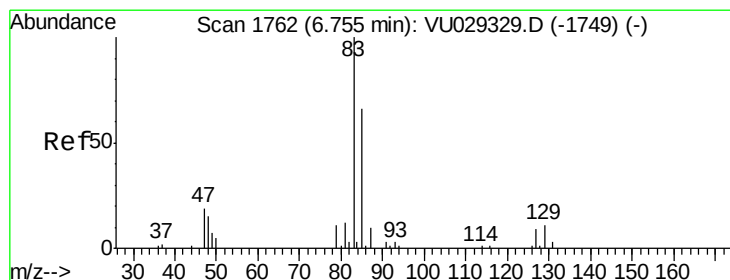
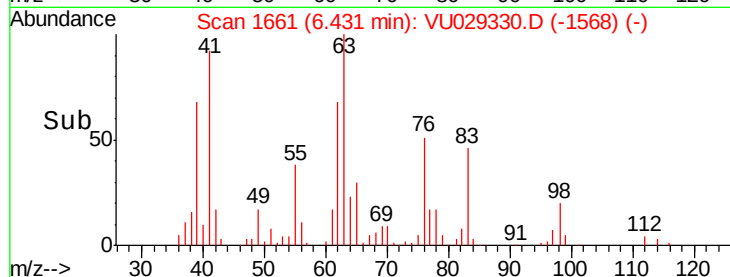
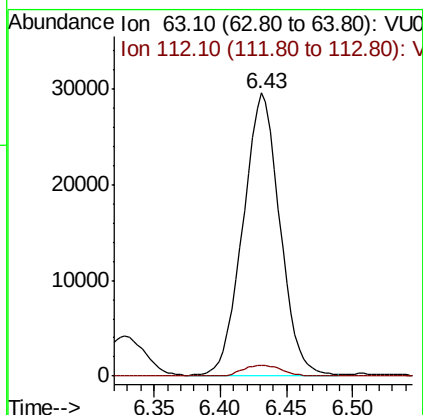
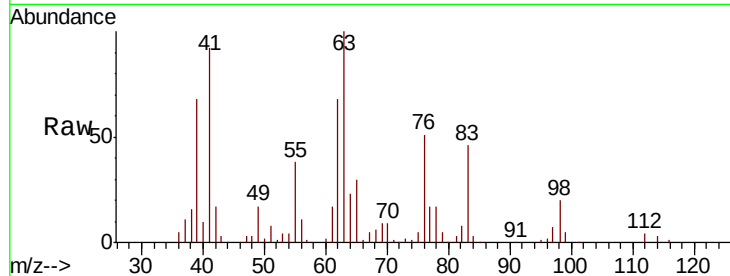




#37
 1,2-Dichloropropane
 Concen: 10.006 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029330.D
 Acq: 01 Feb 2019 12:31

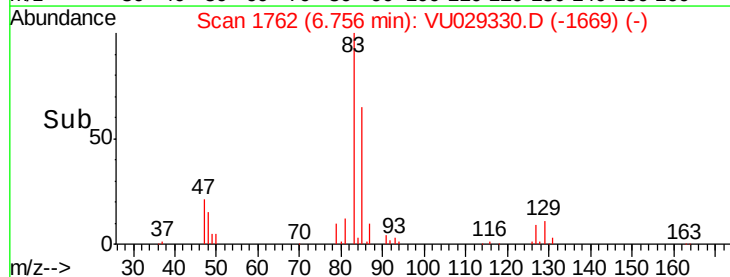
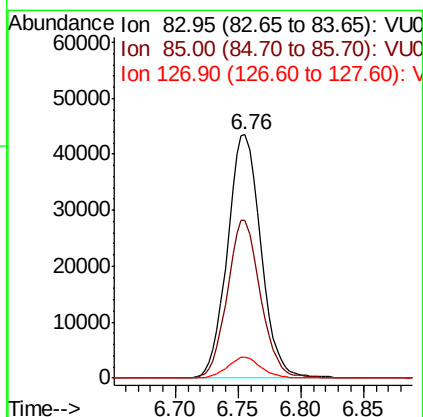
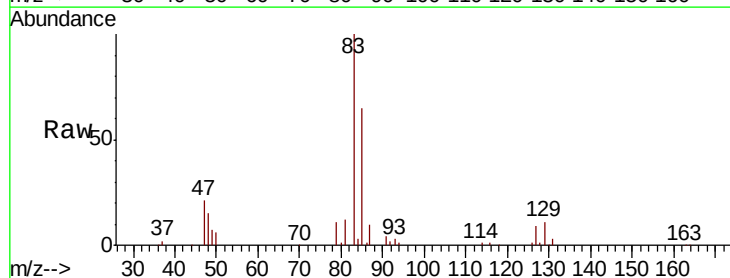
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01046

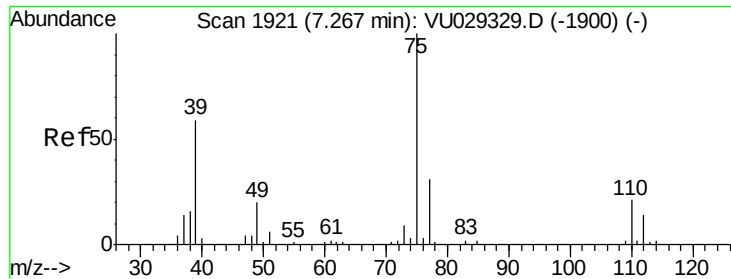
Tgt Ion: 63 Resp: 57548
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.6



#38
 Bromodichloromethane
 Concen: 9.717 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU029330.D
 Acq: 01 Feb 2019 12:31

Tgt Ion: 83 Resp: 80782
 Ion Ratio Lower Upper
 83 100
 85 64.7 46.2 85.8
 127 8.8 7.3 10.9

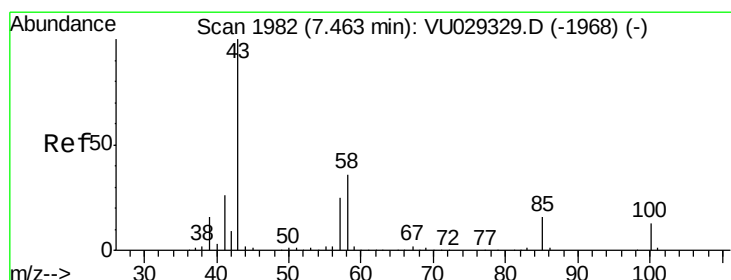
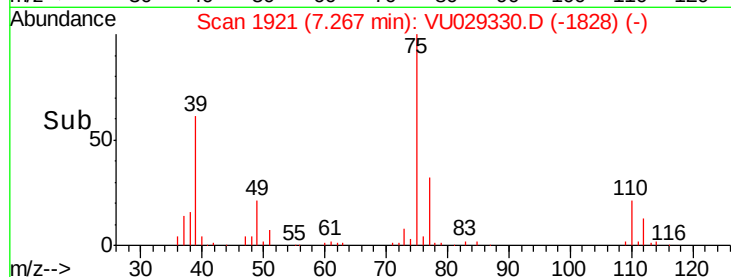
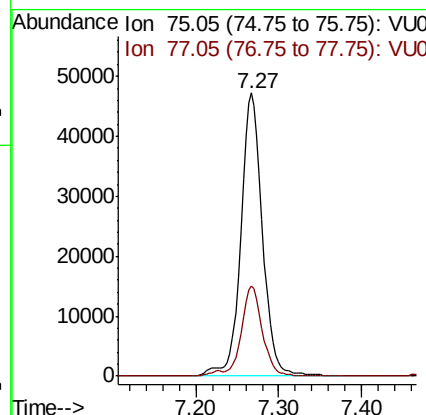
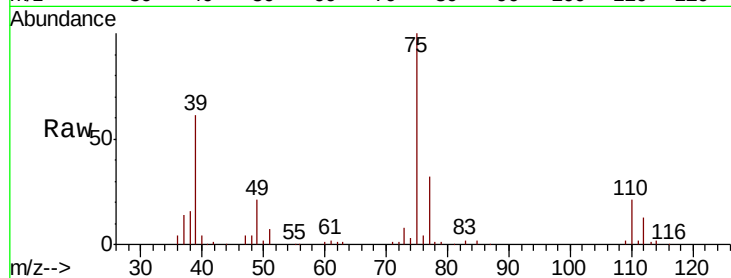




#39
 cis-1,3-Dichloropropene
 Concen: 10.315 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029330.D
 Acq: 01 Feb 2019 12:31

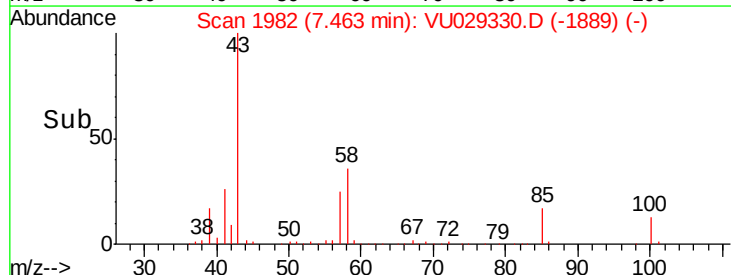
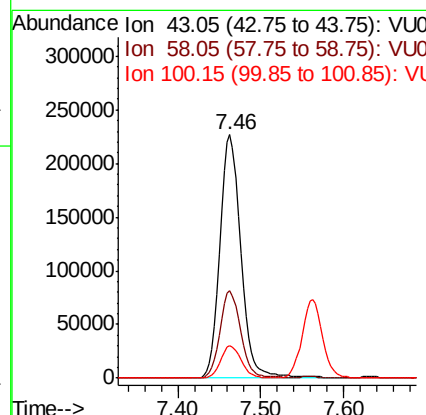
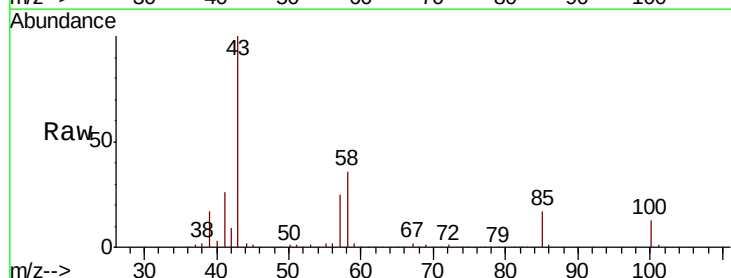
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01046

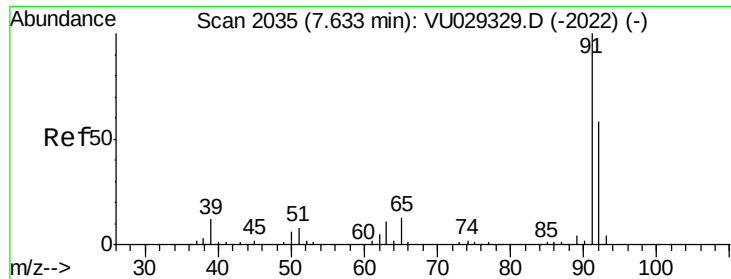
Tgt Ion: 75 Resp: 86386
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 100.165 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU029330.D
 Acq: 01 Feb 2019 12:31

Tgt Ion: 43 Resp: 398229
 Ion Ratio Lower Upper
 43 100
 58 35.4 27.8 41.8
 100 13.0 10.1 15.1





#42

Toluene

Concen: 10.352 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029330.D

Acq: 01 Feb 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

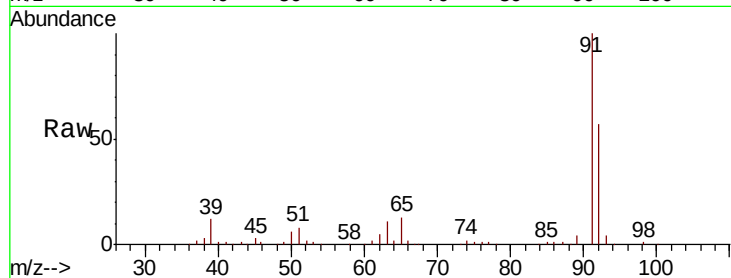
VSTD01046

Tgt Ion: 91 Resp: 232273

Ion Ratio Lower Upper

91 100

92 57.3 40.5 75.3



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.63

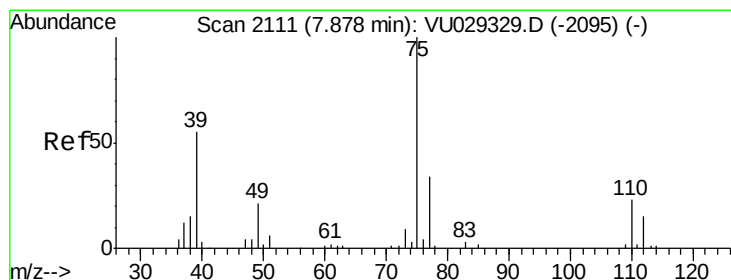
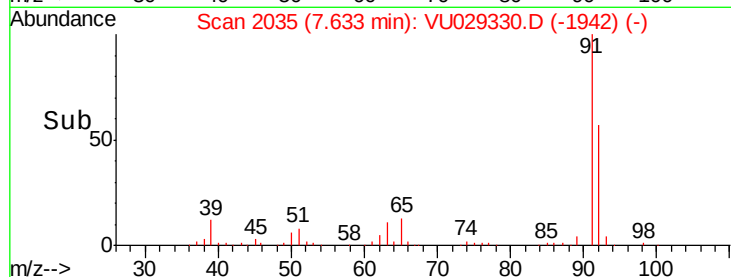
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.355 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029330.D

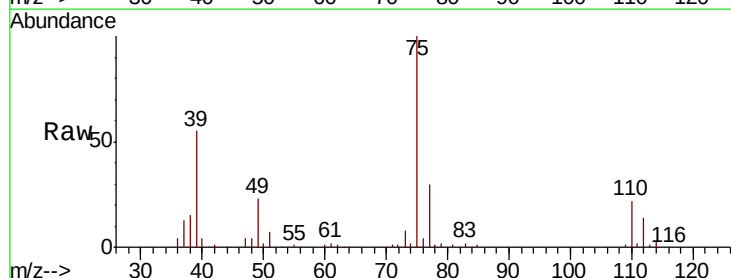
Acq: 01 Feb 2019 12:31

Tgt Ion: 75 Resp: 78502

Ion Ratio Lower Upper

75 100

77 30.2 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.88

50000

40000

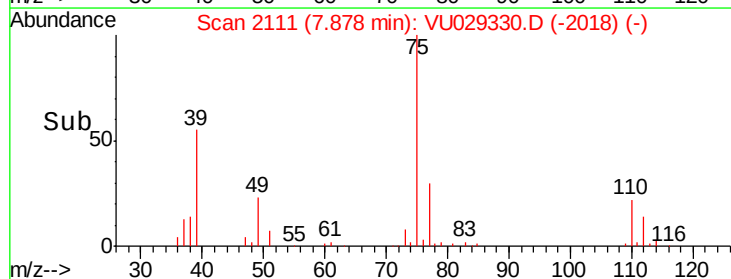
30000

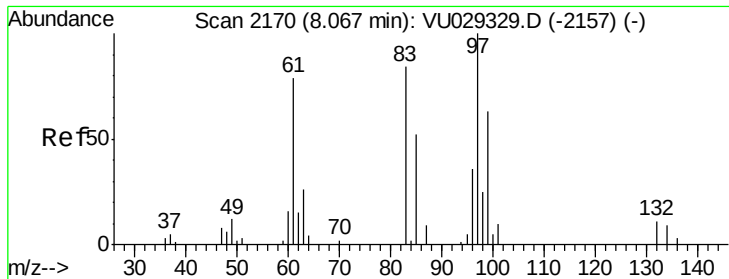
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 9.836 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. -0.00 min

Lab File: VU029330.D

Acq: 01 Feb 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD01046

Tgt Ion: 97 Resp: 39244

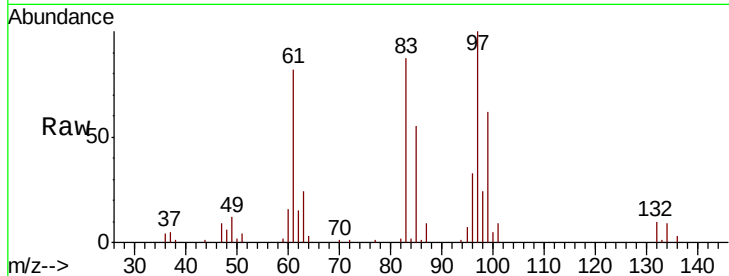
Ion Ratio Lower Upper

97 100

99 62.1 44.2 82.2

83 87.2 59.1 109.7

85 55.1 36.5 67.9

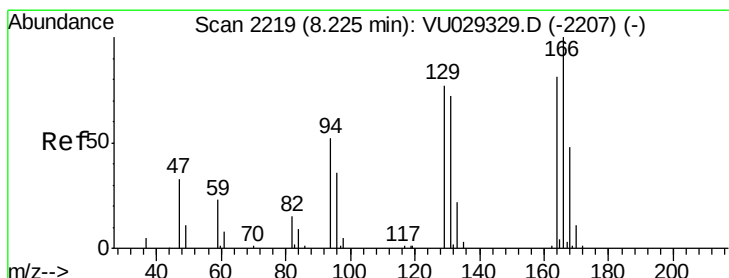
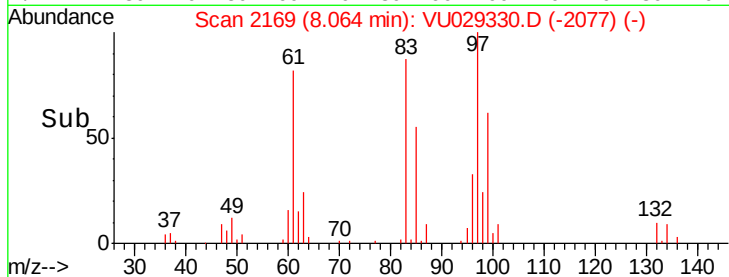
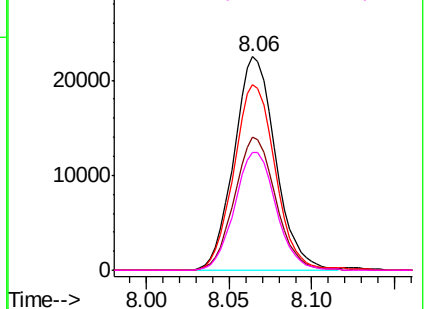


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 9.859 ug/L

RT: 8.23 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029330.D

Acq: 01 Feb 2019 12:31

Tgt Ion: 164 Resp: 47026

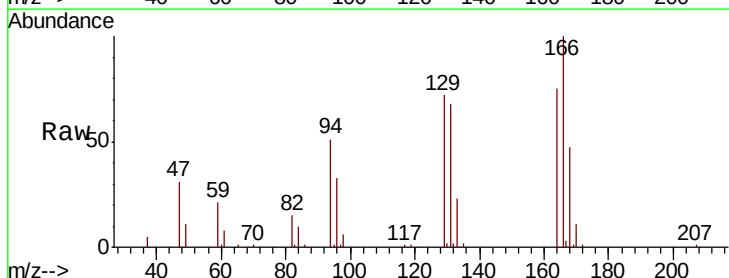
Ion Ratio Lower Upper

164 100

129 96.9 66.1 122.7

131 90.6 62.4 115.8

166 134.0 86.1 159.9

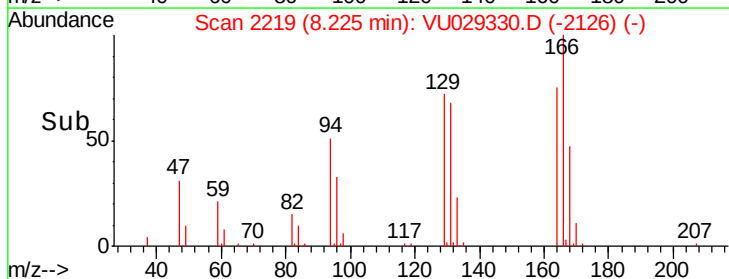
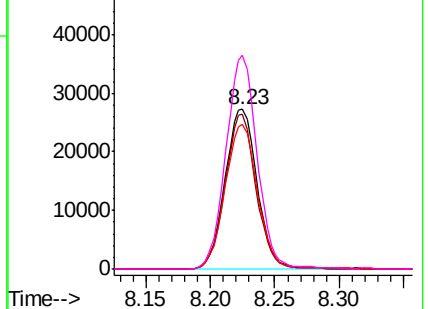


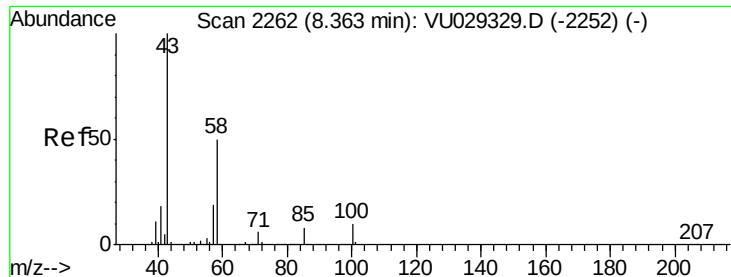
Abundance Ion 163.90 (163.60 to 164.60): V

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

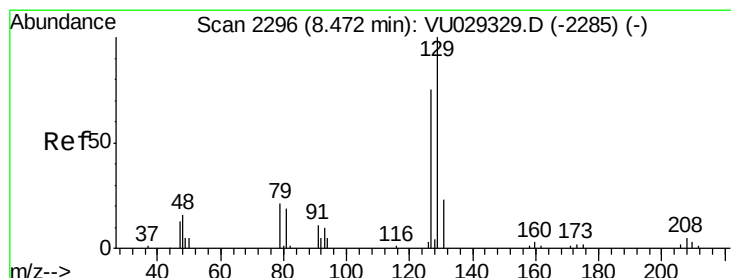
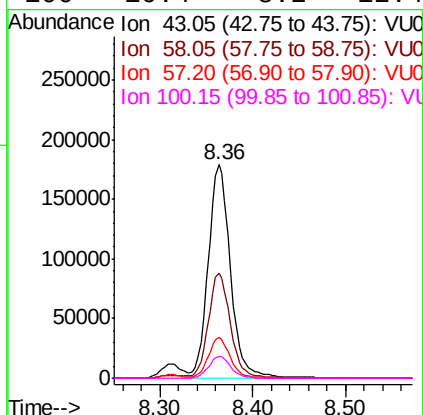
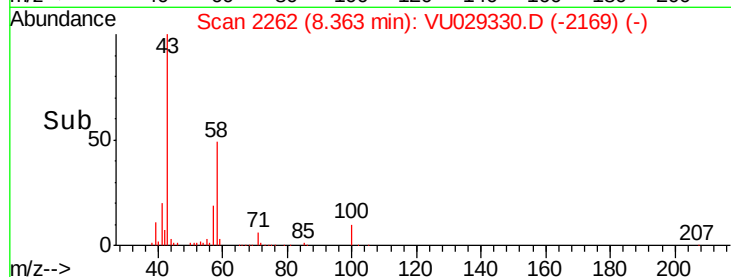
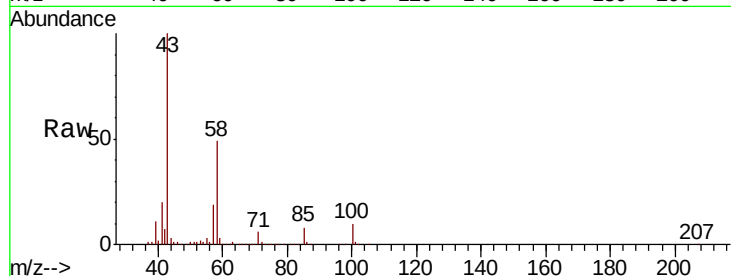




#48
2-Hexanone
Concen: 99.523 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU029330.D
Acq: 01 Feb 2019 12:31

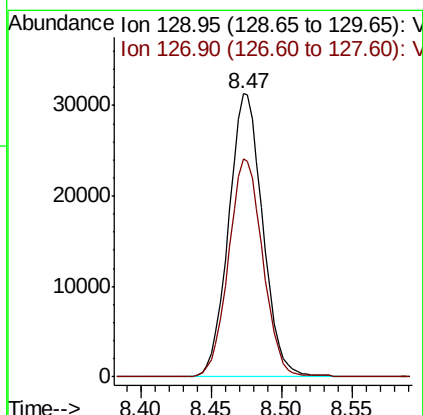
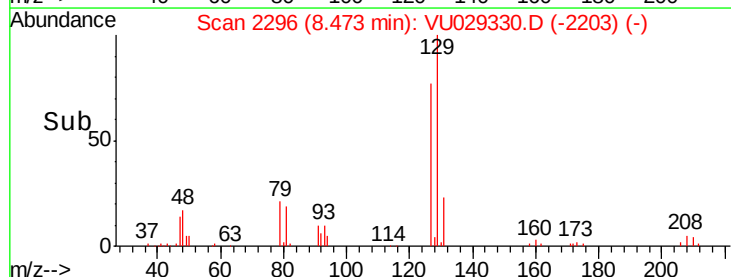
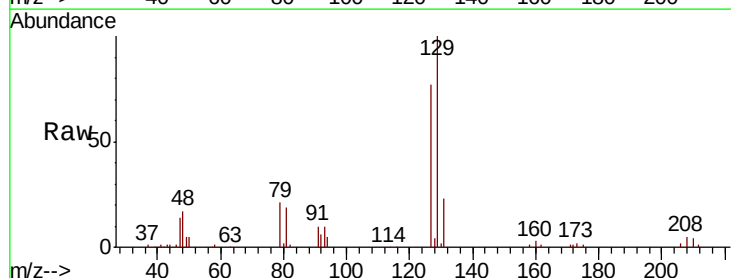
Instrument :
MSVOA_U
ClientSampleId :
VSTD01046

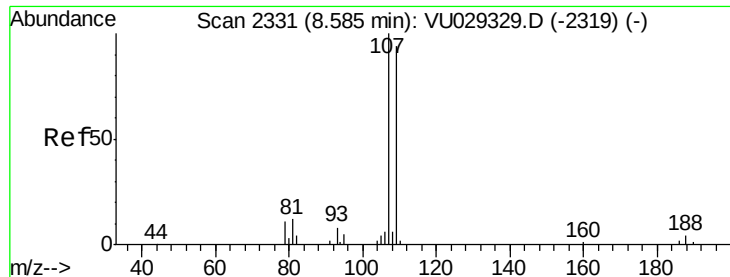
Tgt Ion: 43 Resp: 296459
Ion Ratio Lower Upper
43 100
58 49.3 39.4 59.0
57 18.9 15.1 22.7
100 10.4 8.2 12.4



#49
Dibromochloromethane
Concen: 9.898 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU029330.D
Acq: 01 Feb 2019 12:31

Tgt Ion: 129 Resp: 52890
Ion Ratio Lower Upper
129 100
127 76.9 52.8 98.0

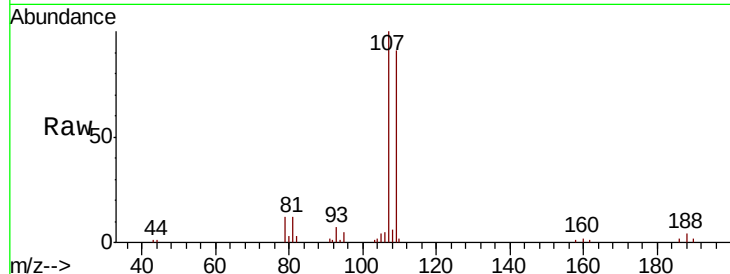




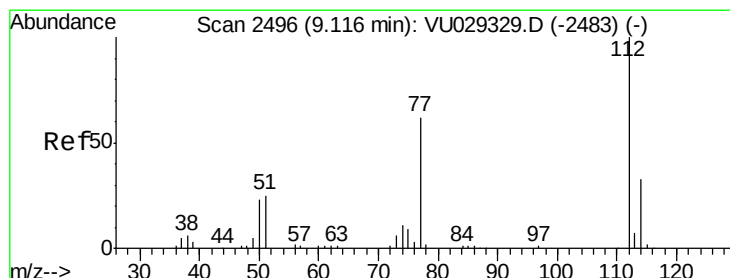
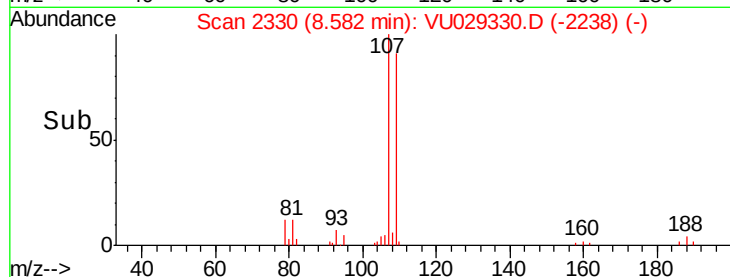
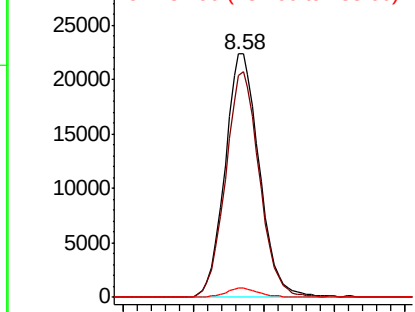
#50
1,2-Dibromoethane
Concen: 10.042 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU029330.D
Acq: 01 Feb 2019 12:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD01046

Tgt Ion:107 Resp: 37948
Ion Ratio Lower Upper
107 100
109 91.1 65.6 121.8
188 3.8 2.8 4.2

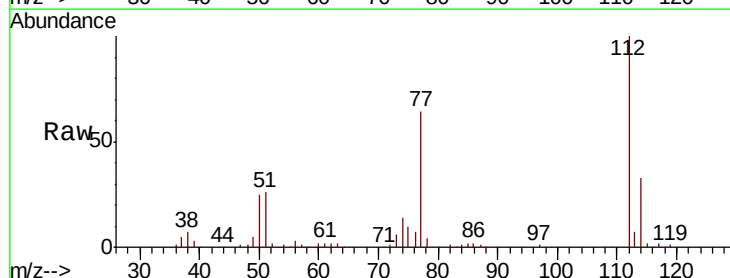


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

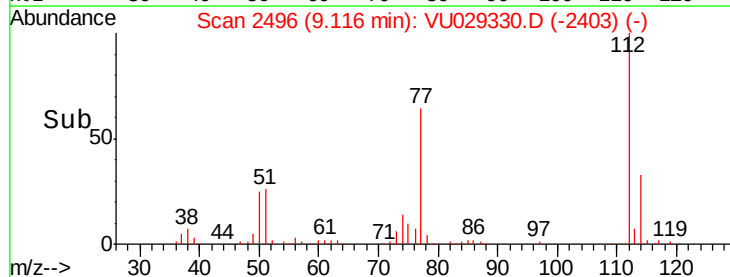
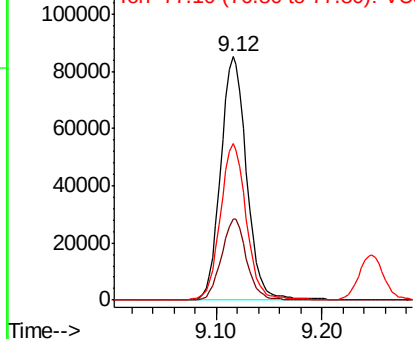


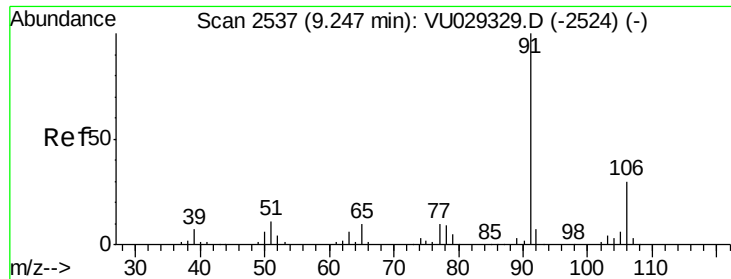
#51
Chlorobenzene
Concen: 9.906 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029330.D
Acq: 01 Feb 2019 12:31

Tgt Ion:112 Resp: 144264
Ion Ratio Lower Upper
112 100
114 33.2 22.8 42.4
77 64.2 49.9 74.9



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: 10.536 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029330.D

Acq: 01 Feb 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

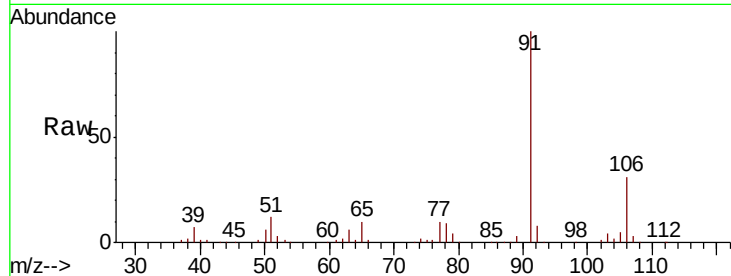
VSTD01046

Tgt Ion: 91 Resp: 262368

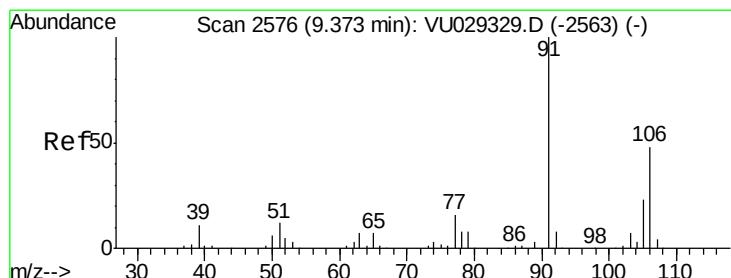
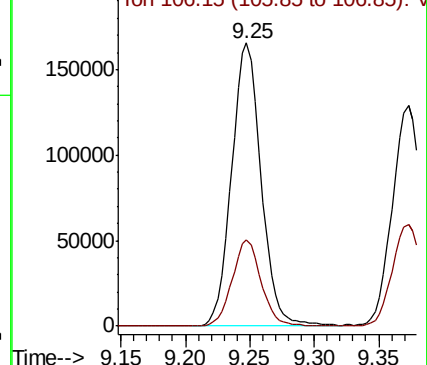
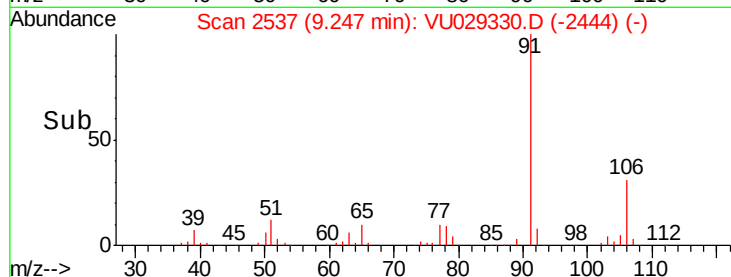
Ion Ratio Lower Upper

91 100

106 30.6 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU029330.D (-2444) (-)



#53

m,p-xylene

Concen: 10.521 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029330.D

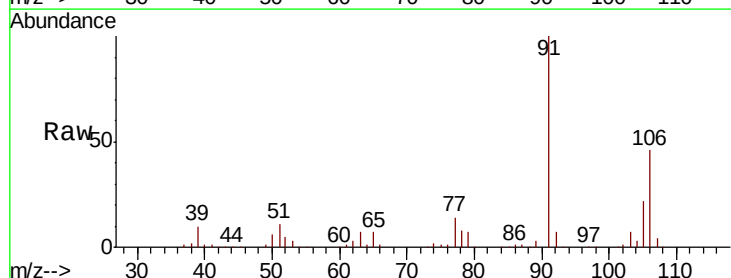
Acq: 01 Feb 2019 12:31

Tgt Ion: 106 Resp: 98623

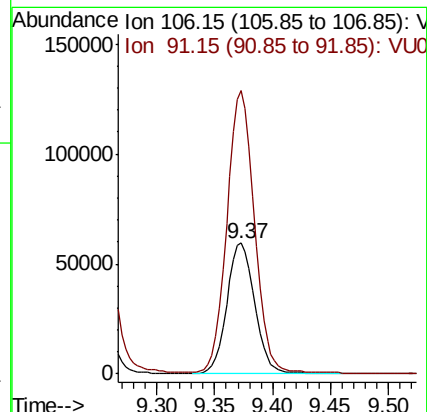
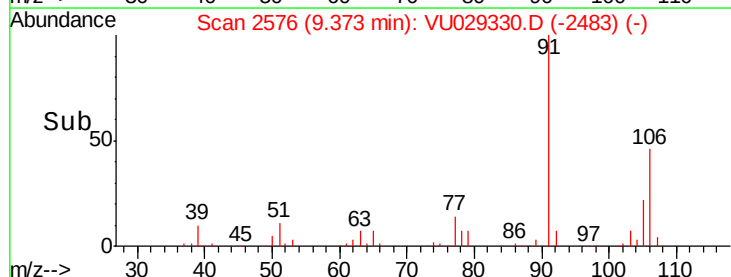
Ion Ratio Lower Upper

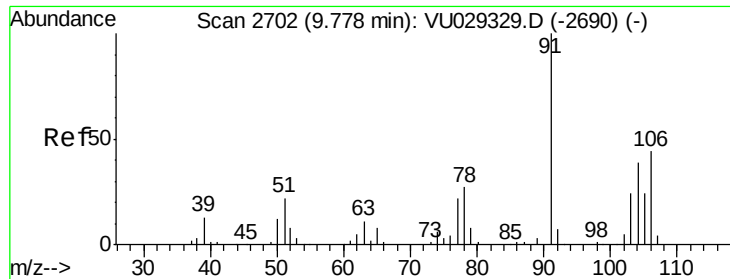
106 100

91 216.6 145.9 270.9



Abundance Ion 106.15 (105.85 to 106.85): VU029330.D (-2483) (-)

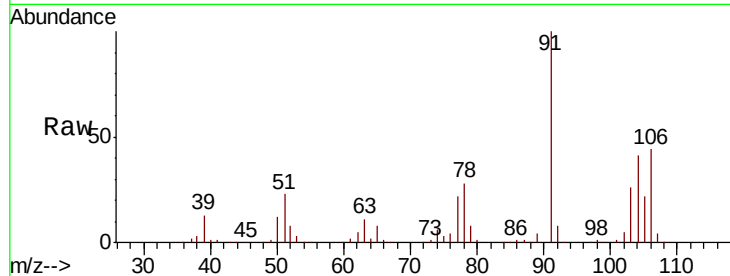




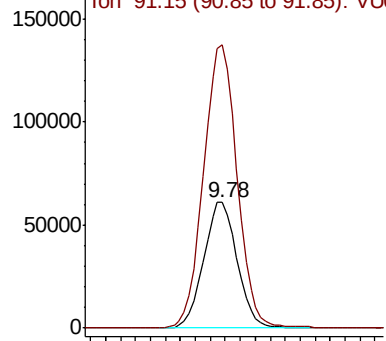
#54
o-xylene
Concen: 10.615 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU029330.D
Acq: 01 Feb 2019 12:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD01046

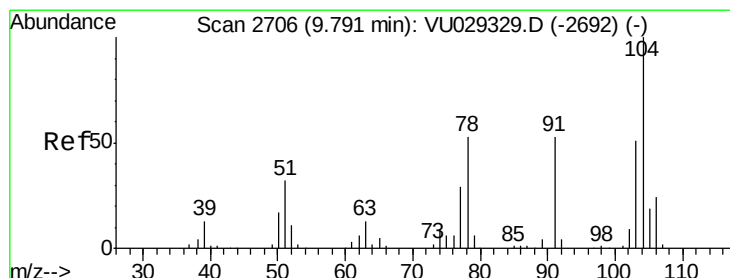
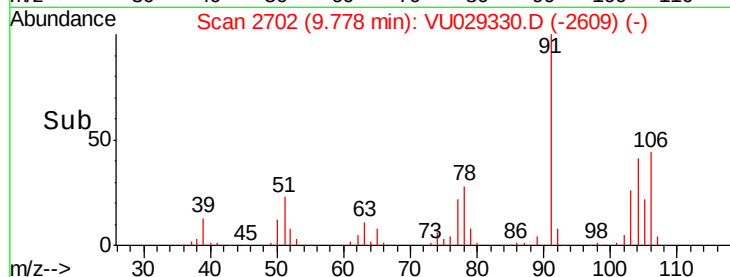
Tgt Ion:106 Resp: 95297
Ion Ratio Lower Upper
106 100
91 224.9 160.9 298.9



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

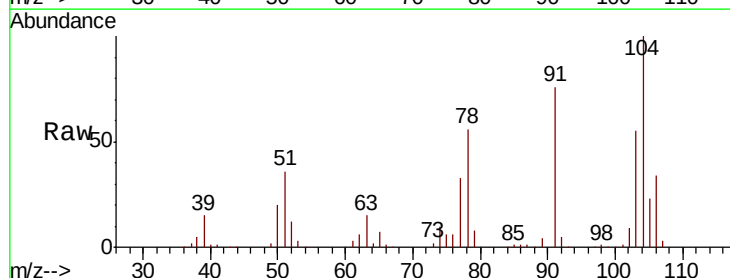


Time-->

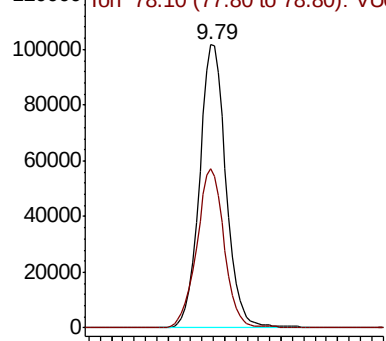


#55
Styrene
Concen: 10.731 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU029330.D
Acq: 01 Feb 2019 12:31

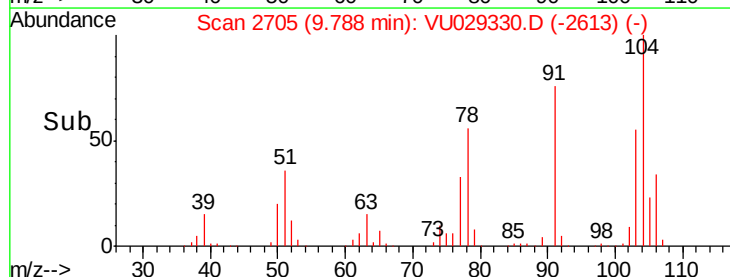
Tgt Ion:104 Resp: 165551
Ion Ratio Lower Upper
104 100
78 56.2 36.8 68.3

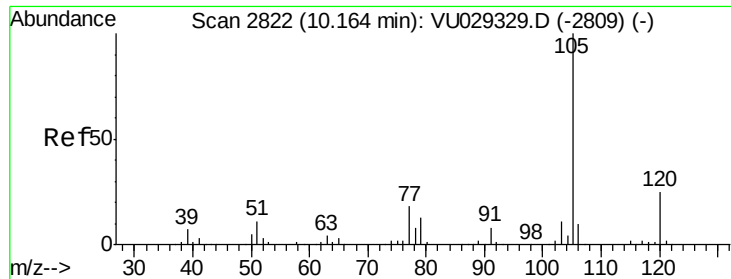


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0



Time-->





#56

Isopropylbenzene

Concen: 10.675 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029330.D

Acq: 01 Feb 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD01046

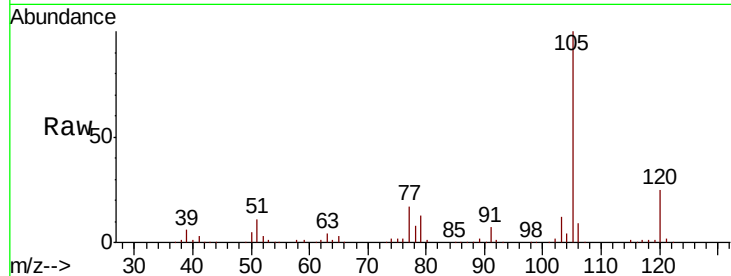
Tgt Ion: 105 Resp: 260725

Ion Ratio Lower Upper

105 100

120 25.7 20.2 30.2

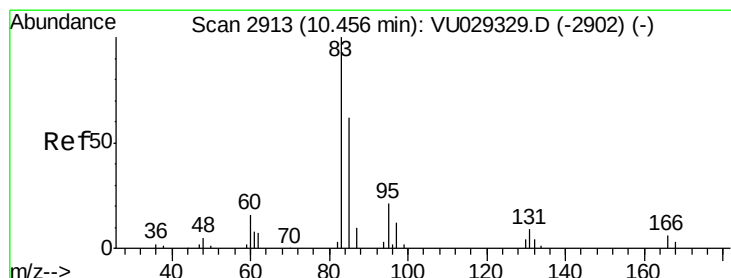
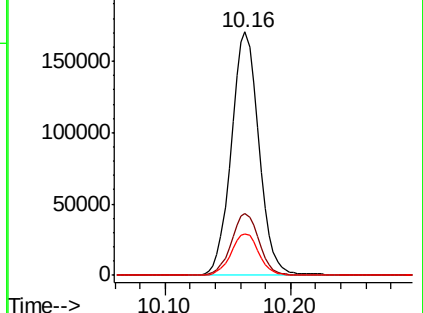
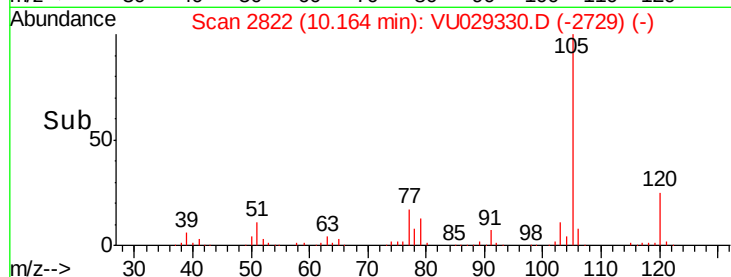
77 17.3 13.9 20.9



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: 9.628 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029330.D

Acq: 01 Feb 2019 12:31

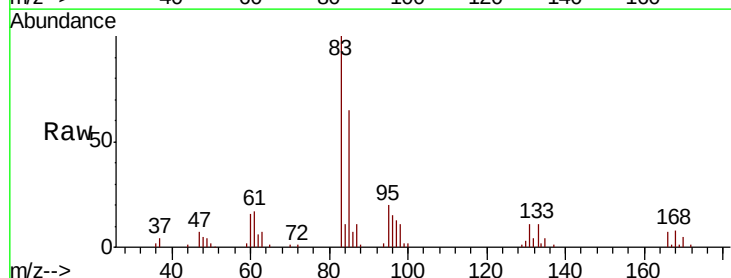
Tgt Ion: 83 Resp: 49595

Ion Ratio Lower Upper

83 100

85 64.7 44.4 82.4

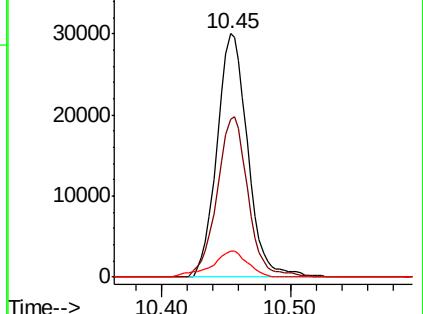
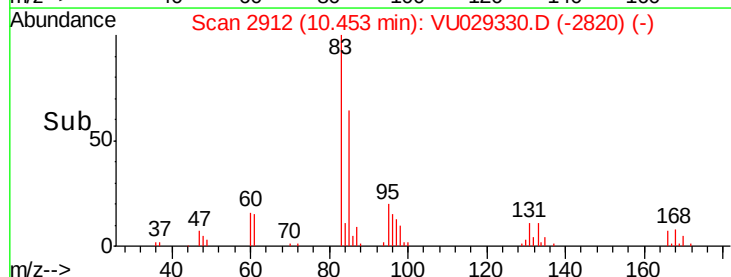
131 10.6 8.9 13.3

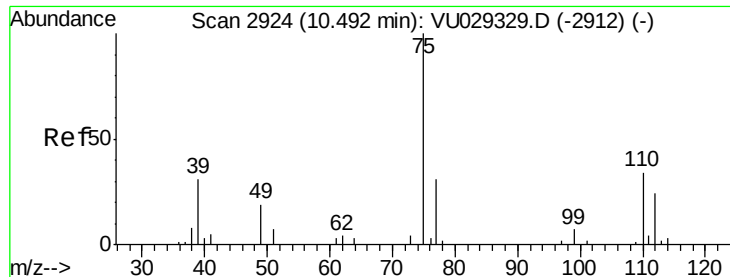


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

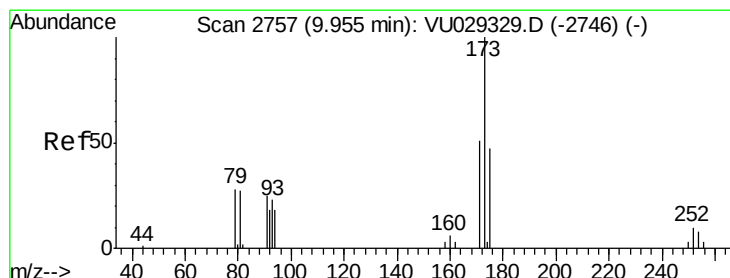
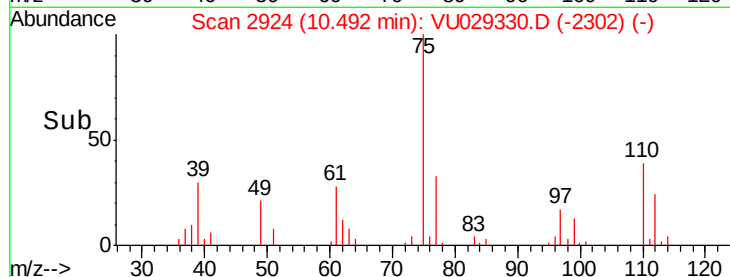
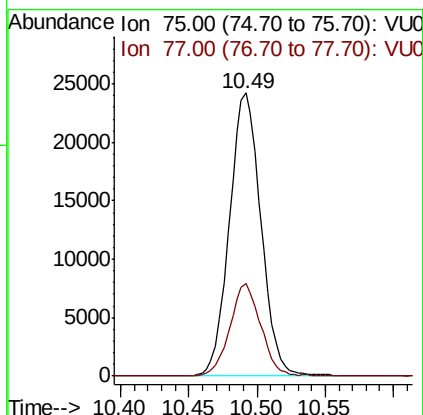
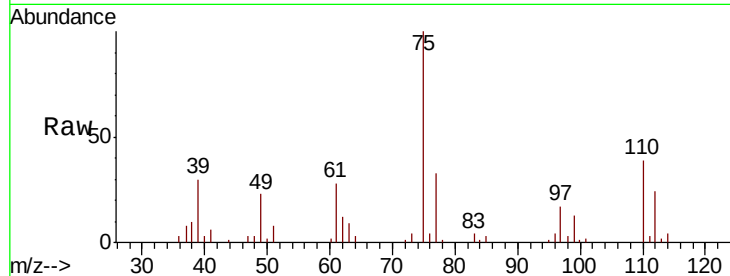




#59
 1,2,3-Trichloropropane
 Concen: 9.502 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU029330.D
 Acq: 01 Feb 2019 12:31

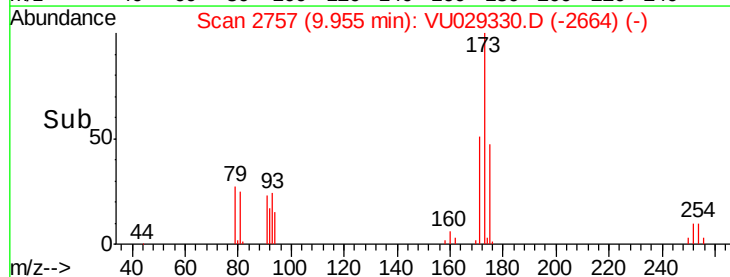
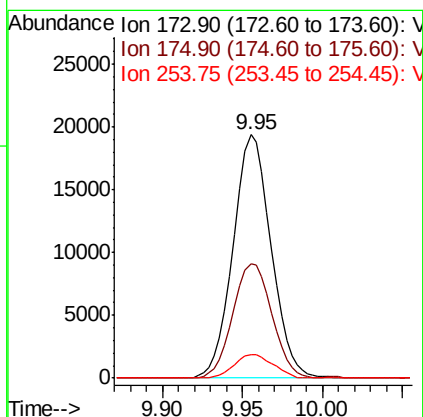
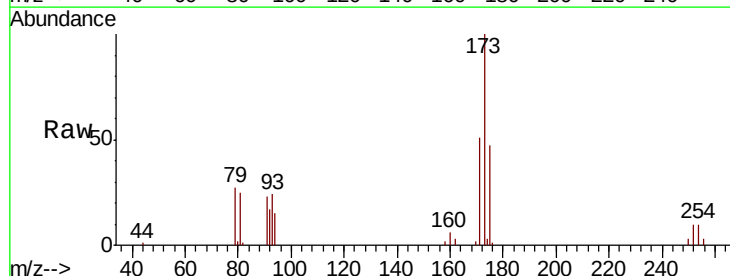
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01046

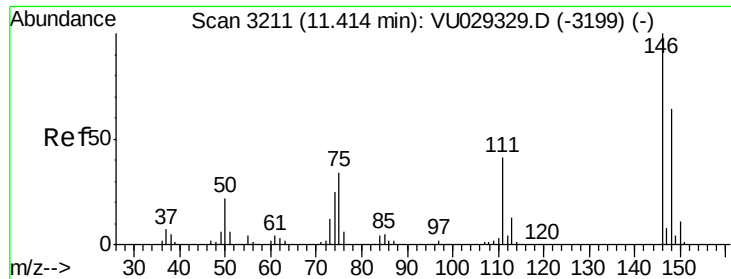
Tgt Ion: 75 Resp: 38937
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.7 37.1



#61
 Bromoform
 Concen: 9.580 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU029330.D
 Acq: 01 Feb 2019 12:31

Tgt Ion: 173 Resp: 31271
 Ion Ratio Lower Upper
 173 100
 175 48.5 37.3 55.9
 254 9.9 6.9 10.3

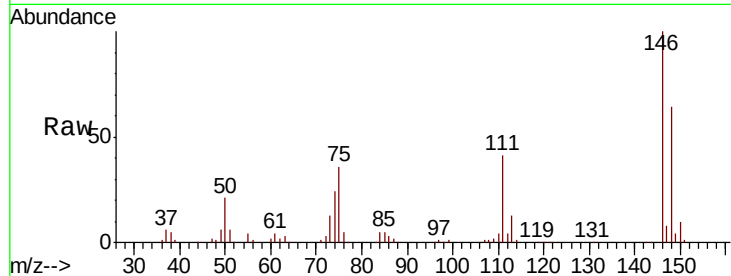




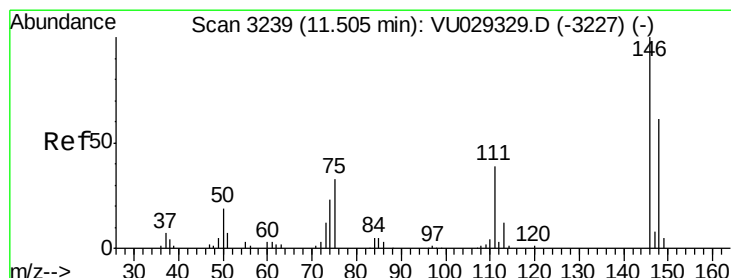
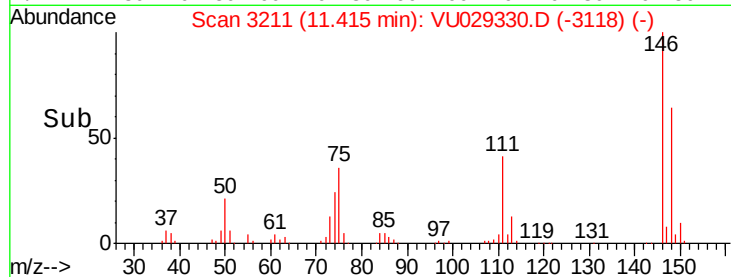
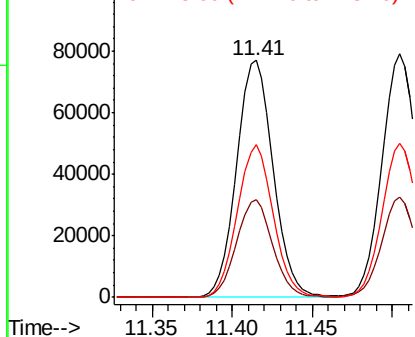
#62
 1,3-Dichlorobenzene
 Concen: 9.877 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU029330.D
 Acq: 01 Feb 2019 12:31

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD01046

Tgt Ion:146 Resp: 120075
 Ion Ratio Lower Upper
 146 100
 111 41.3 28.8 53.6
 148 64.2 44.7 83.1

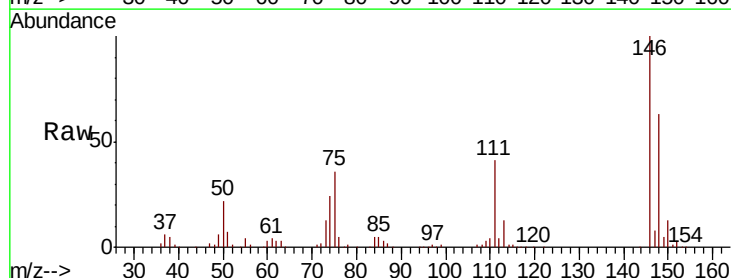


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

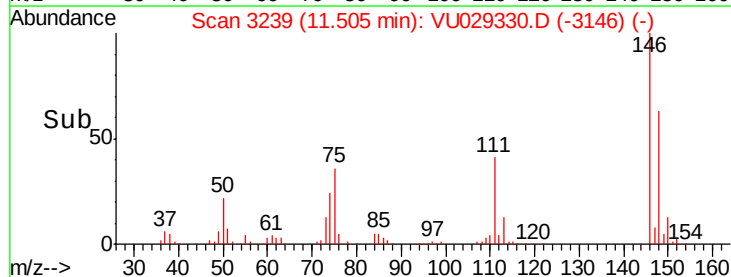
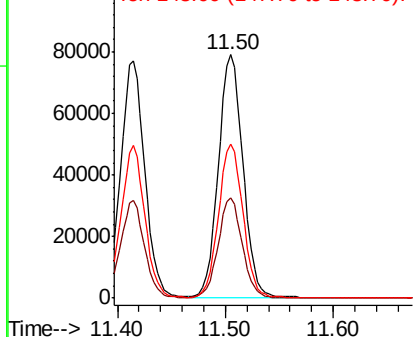


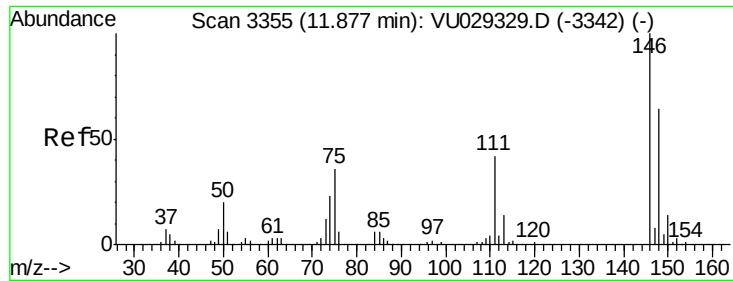
#63
 1,4-Dichlorobenzene
 Concen: 9.932 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU029330.D
 Acq: 01 Feb 2019 12:31

Tgt Ion:146 Resp: 125995
 Ion Ratio Lower Upper
 146 100
 111 41.3 27.2 50.6
 148 63.1 43.0 79.8



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

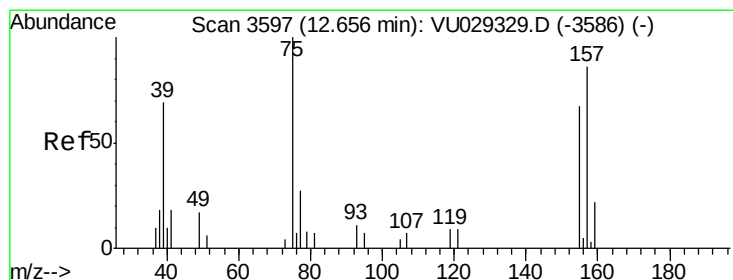
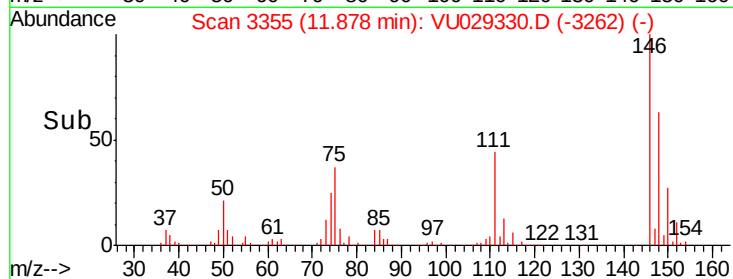
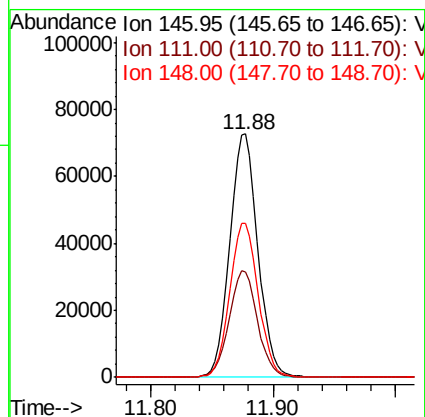
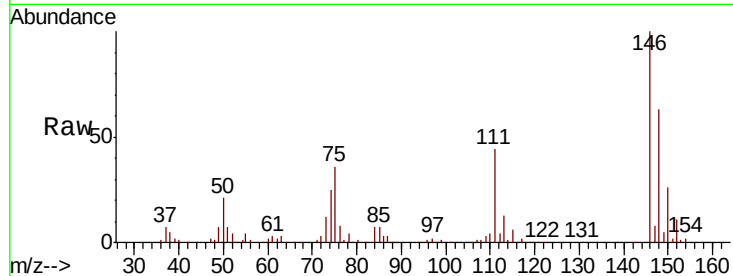




#65
 1,2-Dichlorobenzene
 Concen: 9.846 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029330.D
 Acq: 01 Feb 2019 12:31

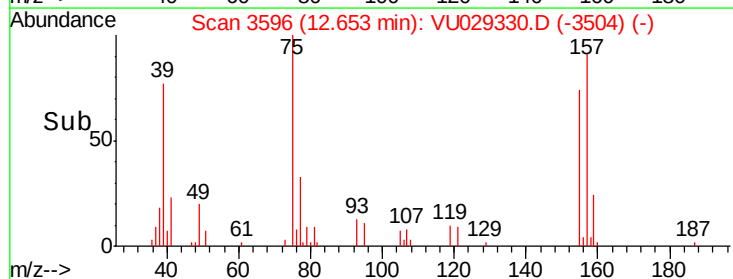
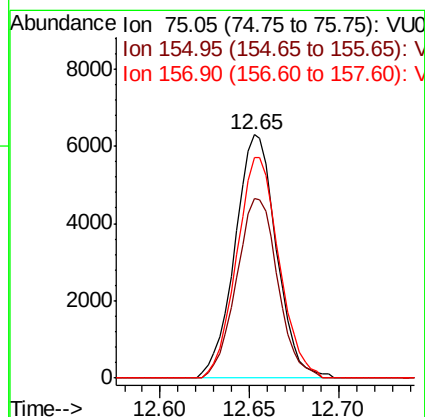
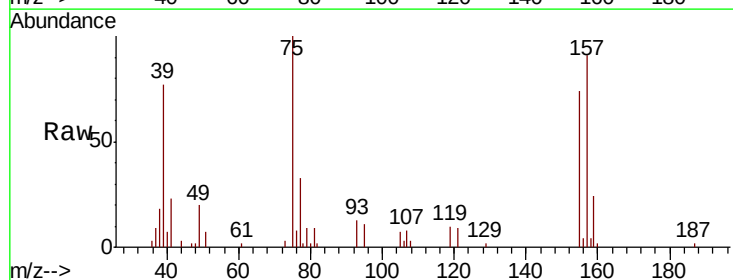
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01046

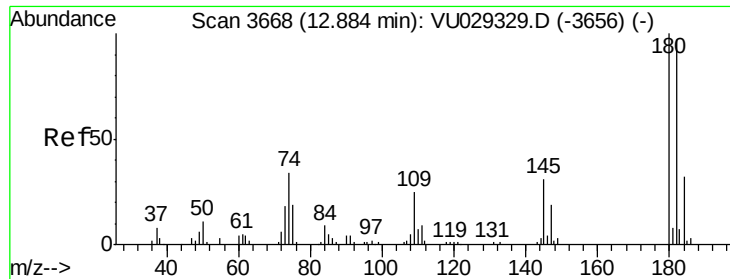
Tgt Ion: 146 Resp: 116983
 Ion Ratio Lower Upper
 146 100
 111 43.5 33.6 50.4
 148 63.3 51.4 77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.875 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU029330.D
 Acq: 01 Feb 2019 12:31

Tgt Ion: 75 Resp: 10216
 Ion Ratio Lower Upper
 75 100
 155 73.9 53.7 80.5
 157 90.7 68.8 103.2

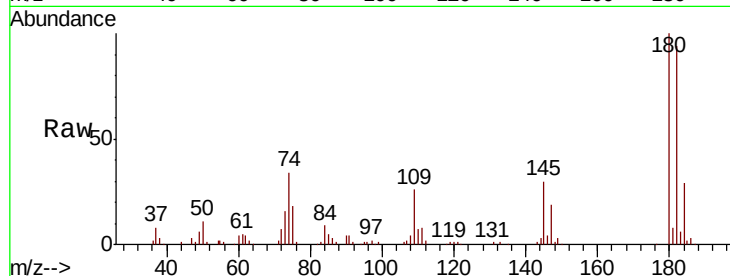




#67
 1,3,5-Trichlorobenzene
 Concen: 10.021 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU029330.D
 Acq: 01 Feb 2019 12:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01046

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.4	114.6
184	30.4	24.6	36.8
145	30.1	23.7	35.5



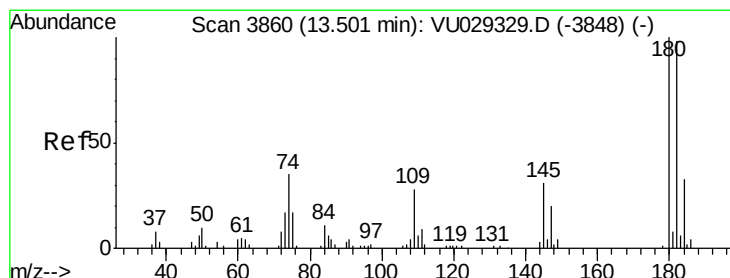
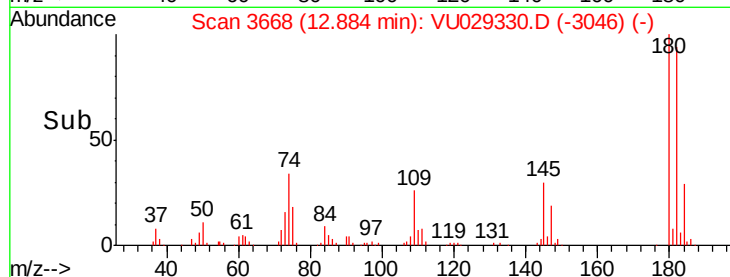
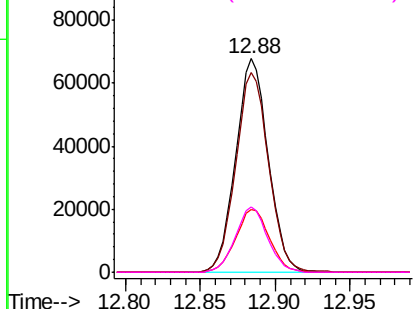
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

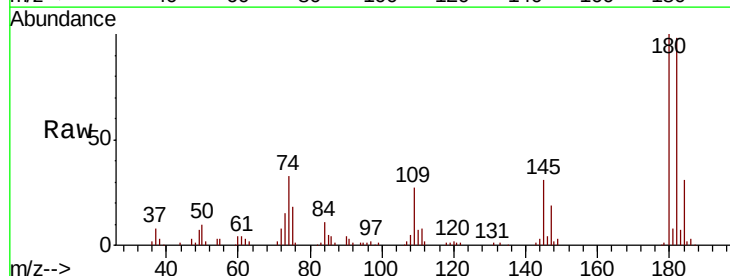
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 10.002 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029330.D
 Acq: 01 Feb 2019 12:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.6	116.4
145	30.7	24.2	36.2

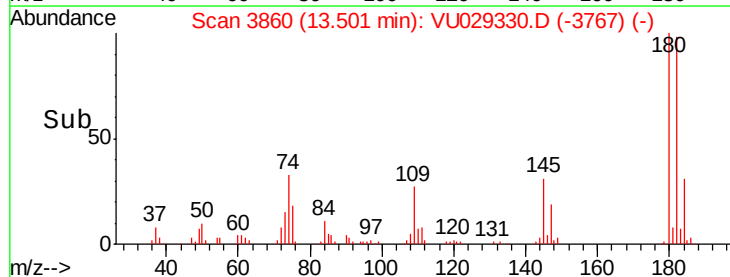
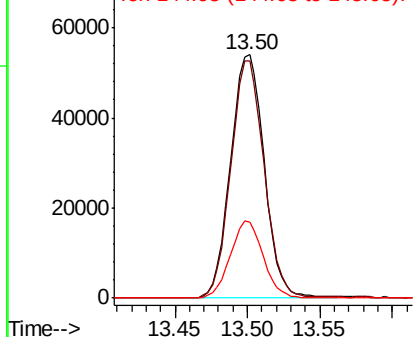


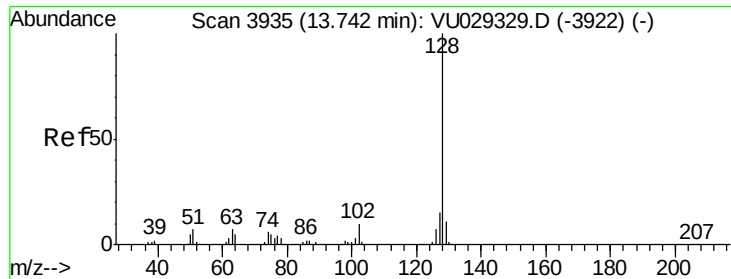
Abundance

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: 10.572 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029330.D

Acq: 01 Feb 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD01046

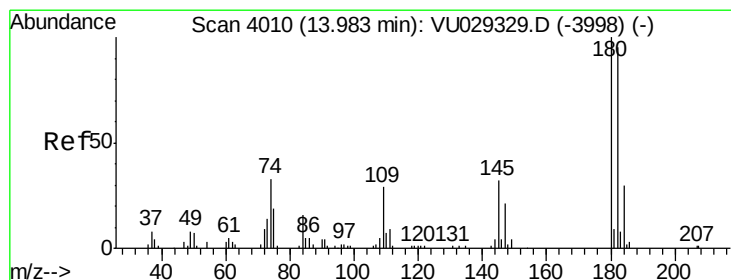
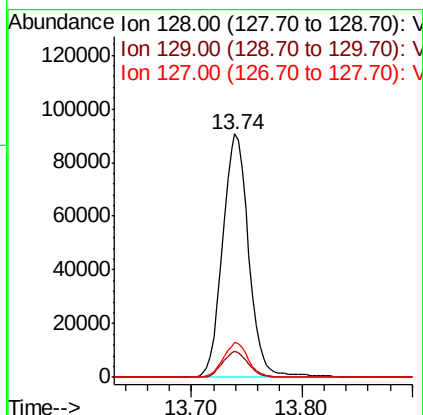
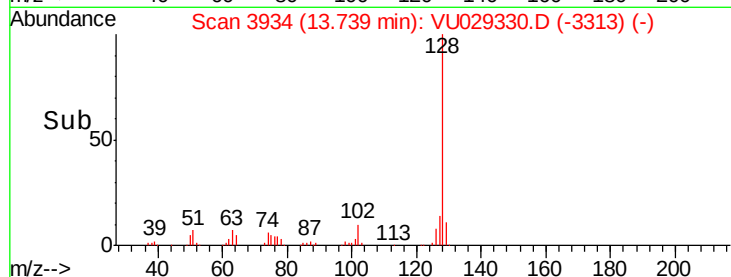
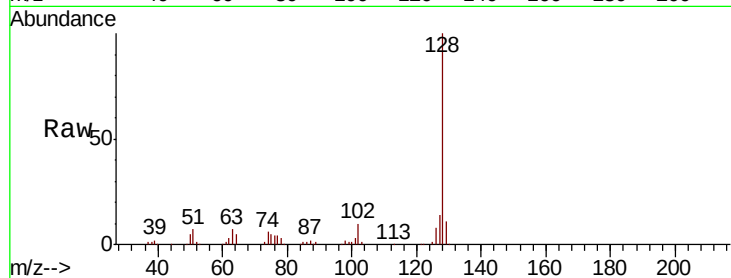
Tgt Ion:128 Resp: 148990

Ion Ratio Lower Upper

128 100

129 10.5 8.9 13.3

127 13.7 11.5 17.3



#70

1,2,3-Trichlorobenzene

Concen: 9.703 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU029330.D

Acq: 01 Feb 2019 12:31

Tgt Ion:180 Resp: 83012

Ion Ratio Lower Upper

180 100

182 95.3 76.1 114.1

145 32.1 25.1 37.7

