

Data File : VU031398.D
Acq On : 22 Apr 2019 17:27
Operator : JC/SP
Sample : VSTD00548
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00548

Quant Time: Apr 23 02:58:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 02:55:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	711658	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	641424	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	279147	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	29972	4.61	ug/L	0.00
7) Chloroethane-d5	1.68	69	21802	4.01	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	49434	3.91	ug/L	0.00
21) 2-Butanone-d5	4.21	46	37000	7.94	ug/L	0.02
24) Chloroform-d	4.65	84	47118	4.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	27802	4.28	ug/L	0.00
32) Benzene-d6	5.34	84	94323	4.71	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	29596	4.54	ug/L	0.00
41) Toluene-d8	7.57	98	81192	4.60	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	12246	3.97	ug/L	0.00
47) 2-Hexanone-d5	8.32	63	27770	8.91	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	39756	4.39	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	29680	4.67	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	22012	3.453 ug/L	94
3) Chloromethane	1.32	50	30804	4.013 ug/L	100
5) Vinyl chloride	1.40	62	28274	3.678 ug/L	97
6) Bromomethane	1.63	94	16140	3.284 ug/L	93
8) Chloroethane	1.70	64	16004	3.330 ug/L	94
9) Trichlorofluoromethane	1.88	101	32783	3.147 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	18121	3.259 ug/L	98
12) 1,1-Dichloroethene	2.28	96	18710	3.424 ug/L	93
13) Acetone	2.35	43	32042	8.687 ug/L	93
14) Carbon disulfide	2.48	76	57579	3.852 ug/L	97
15) Methyl Acetate	2.63	43	26751	4.157 ug/L #	54
16) Methylene chloride	2.70	84	21810	4.019 ug/L	89
17) trans-1,2-Dichloroethene	2.98	96	18859	3.694 ug/L	100
18) Methyl tert-butyl Ether	3.00	73	61485	3.826 ug/L	99
19) 1,1-Dichloroethane	3.44	63	36916	3.676 ug/L	92
20) cis-1,2-Dichloroethene	4.23	96	12428	2.152 ug/L	99
23) Bromochloromethane	4.56	128	10936	3.819 ug/L	95
25) Chloroform	4.67	83	34592	3.449 ug/L	91
27) 1,2-Dichloroethane	5.41	62	26046	3.421 ug/L	98
29) Cyclohexane	4.99	56	31909	3.607 ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	29723	3.586 ug/L	97
31) Carbon tetrachloride	5.13	117	24380	3.403 ug/L	93
33) Benzene	5.39	78	82349	3.879 ug/L	100
34) Trichloroethene	6.19	95	23748	4.424 ug/L	96
35) Methylcyclohexane	6.41	83	30710	3.834 ug/L	98
37) 1,2-Dichloropropane	6.43	63	20654	3.646 ug/L	98
38) Bromodichloromethane	6.76	83	25785	3.607 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	26349	3.086 ug/L	97
40) 4-Methyl-2-pentanone	7.47	43	61770	7.673 ug/L	95
42) Toluene	7.64	91	80841	3.777 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.89	75	24093	3.285	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	19600	3.846	ug/L	98
46) Tetrachloroethene	8.22	164	14300	3.555	ug/L	98
48) 2-Hexanone	8.37	43	45650	7.140	ug/L	96
49) Dibromochloromethane	8.48	129	20083	3.651	ug/L	92
50) 1,2-Dibromoethane	8.58	107	18817	3.481	ug/L	91
51) Chlorobenzene	9.12	112	51446	3.857	ug/L	97
52) Ethylbenzene	9.25	91	84152	3.621	ug/L	98
53) m,p-Xylene	9.37	106	29487	3.582	ug/L	94
54) o-xylene	9.78	106	29321	3.512	ug/L	99
55) Styrene	9.79	104	47433	3.392	ug/L	99
56) Isopropylbenzene	10.16	105	73196	3.422	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	33636	3.825	ug/L #	98
59) 1,2,3-Trichloropropane	10.49	75	26067	3.850	ug/L	99
61) Bromoform	9.95	173	14314	3.744	ug/L #	92
62) 1,3-Dichlorobenzene	11.42	146	34669	3.770	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	32922	3.583	ug/L	92
65) 1,2-Dichlorobenzene	11.88	146	35537	3.686	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	6371	3.452	ug/L	86
67) 1,3,5-Trichlorobenzene	12.89	180	22608	3.291	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	14233	2.570	ug/L	94
69) Naphthalene	13.75	128	56481	3.209	ug/L #	88
70) 1,2,3-Trichlorobenzene	13.99	180	17291	2.866	ug/L	95

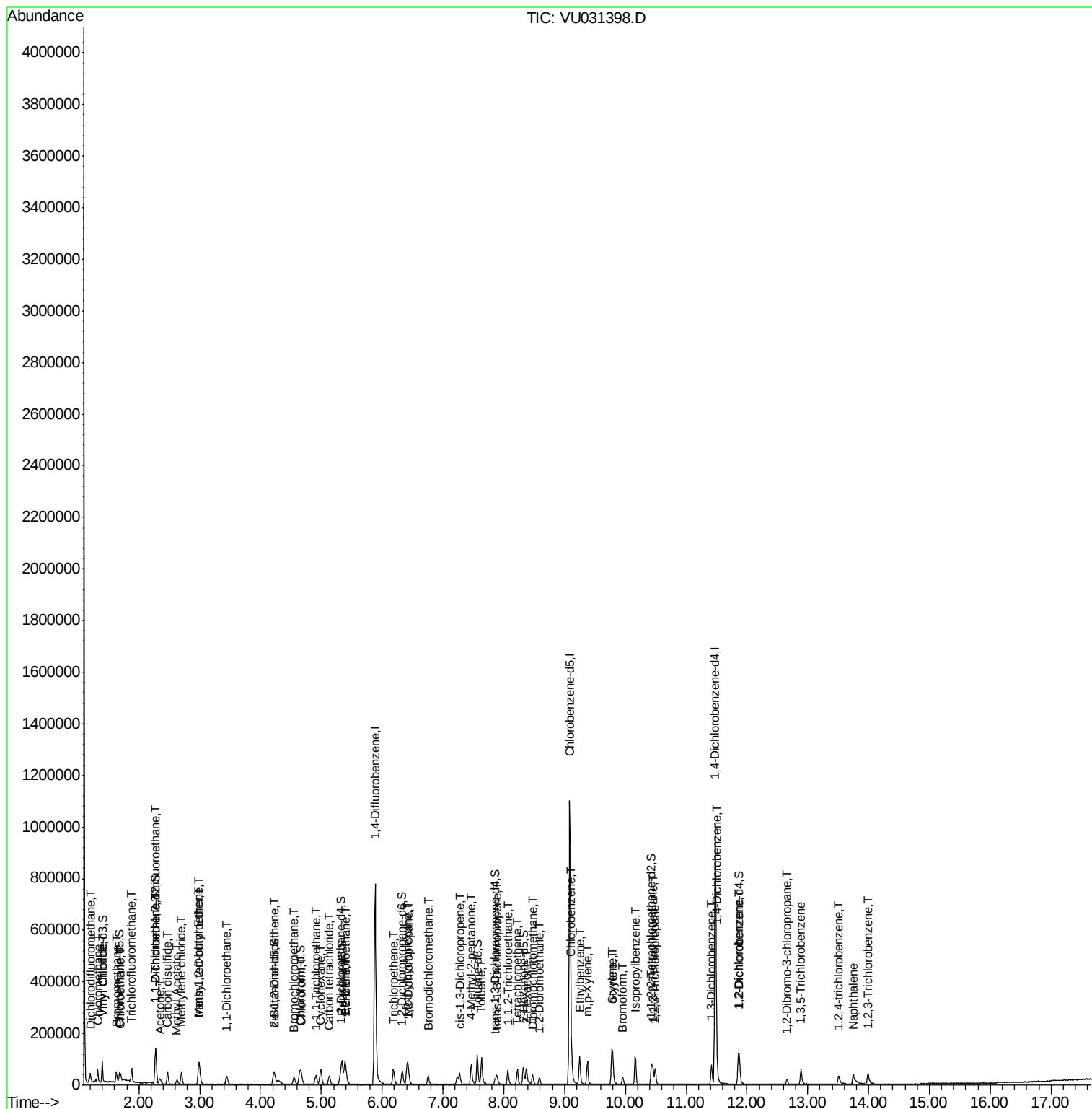
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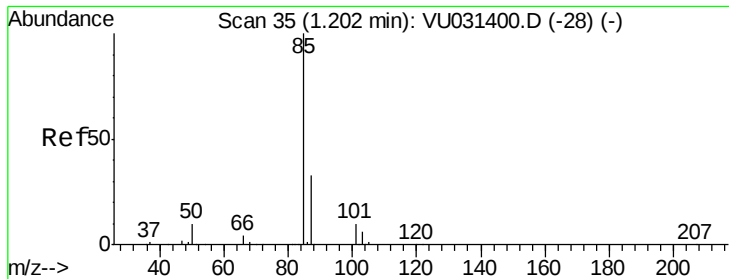
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#2

Dichlorodifluoromethane

Concen: 3.453 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

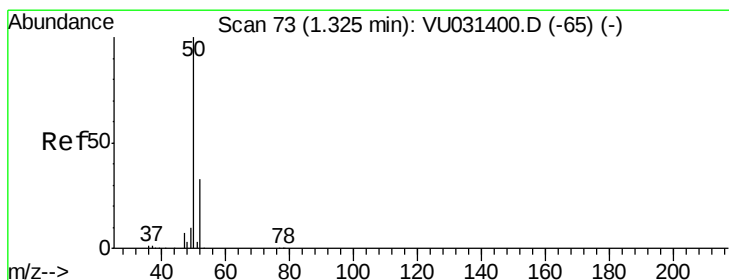
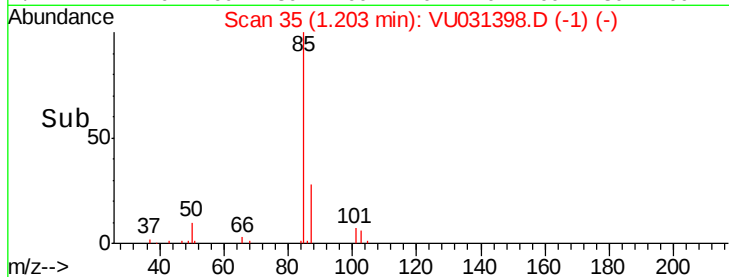
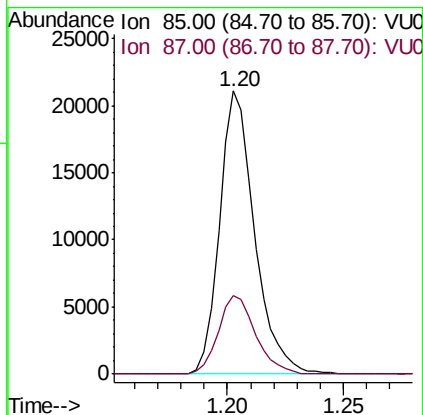
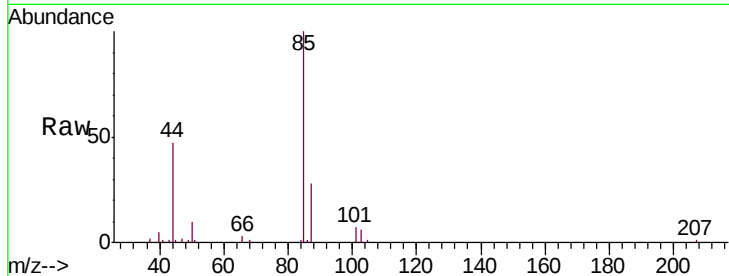
VSTD00548

Tgt Ion: 85 Resp: 22012

Ion Ratio Lower Upper

85 100

87 29.5 26.3 39.5



#3

Chloromethane

Concen: 4.013 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031398.D

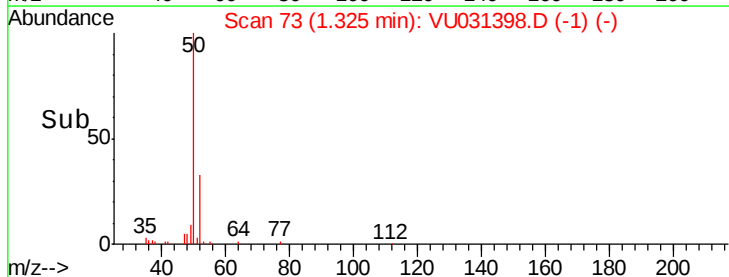
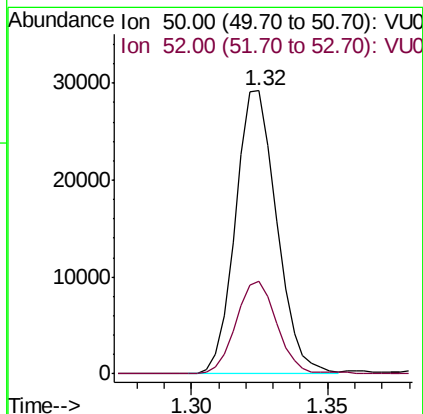
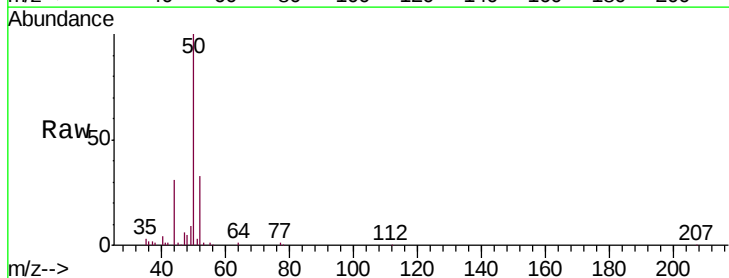
Acq: 22 Apr 2019 17:27

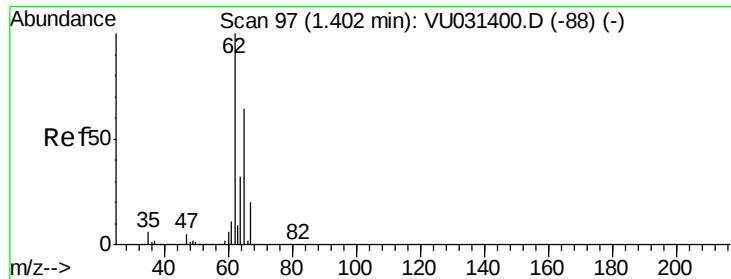
Tgt Ion: 50 Resp: 30804

Ion Ratio Lower Upper

50 100

52 33.0 22.9 42.5





#5

Vinyl chloride

Concen: 3.678 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

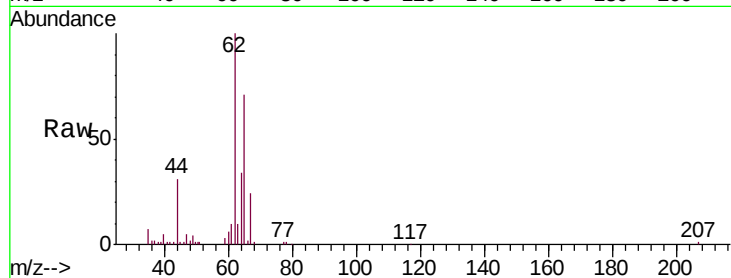
VSTD00548

Tgt Ion: 62 Resp: 28274

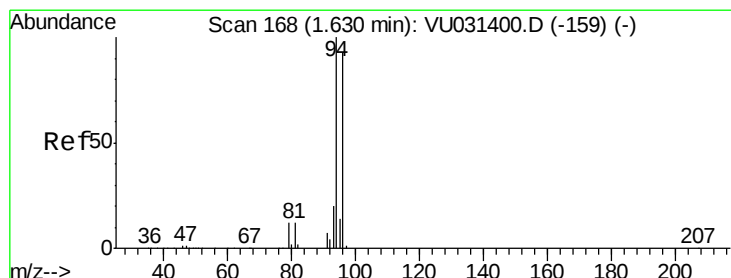
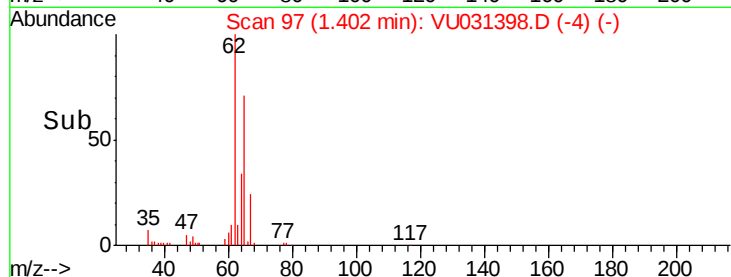
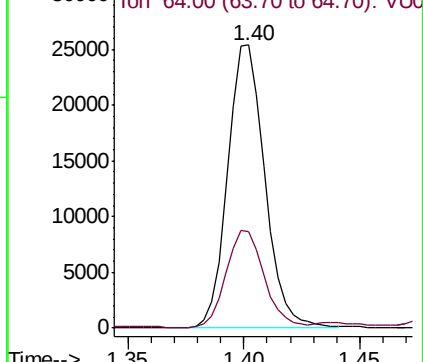
Ion Ratio Lower Upper

62 100

64 34.3 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU031400.D (-88) (-)



#6

Bromomethane

Concen: 3.284 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031398.D

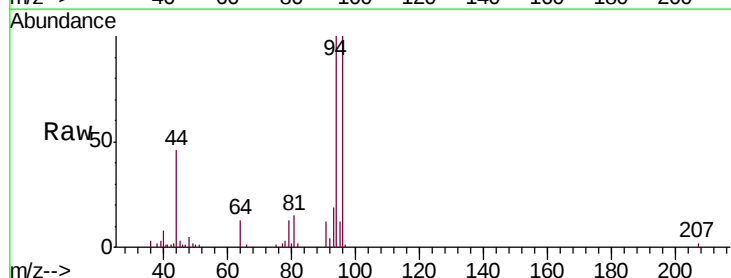
Acq: 22 Apr 2019 17:27

Tgt Ion: 94 Resp: 16140

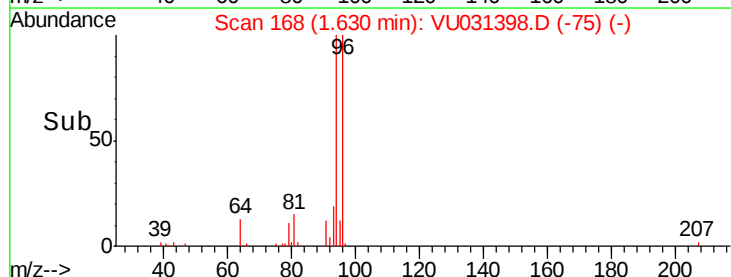
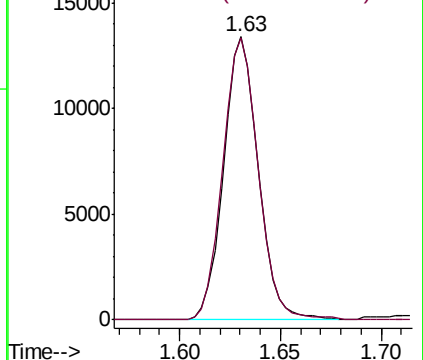
Ion Ratio Lower Upper

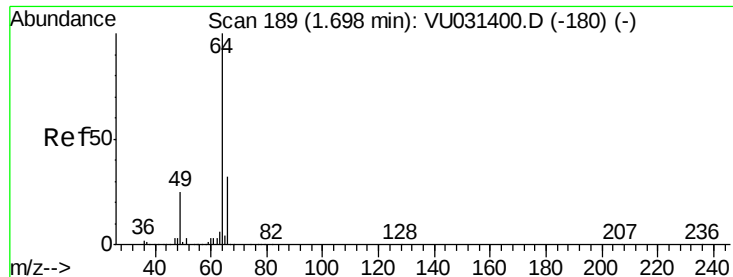
94 100

96 99.5 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VU031400.D (-159) (-)





#8

Chloroethane

Concen: 3.330 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

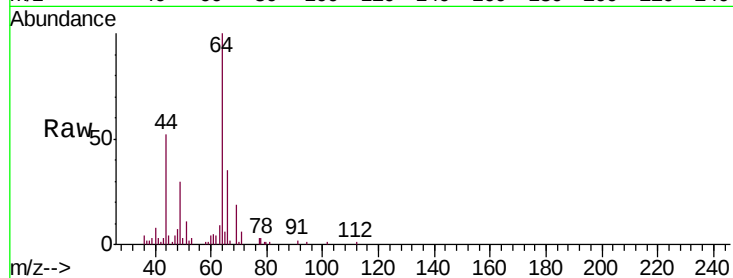
VSTD00548

Tgt Ion: 64 Resp: 16004

Ion Ratio Lower Upper

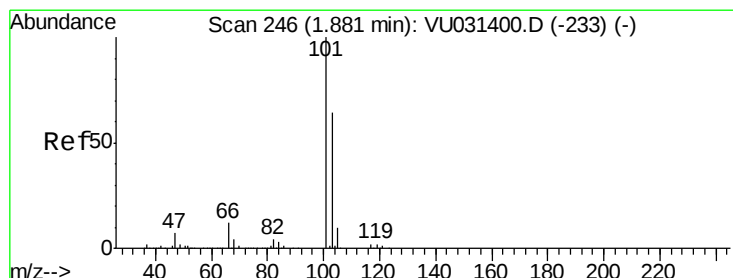
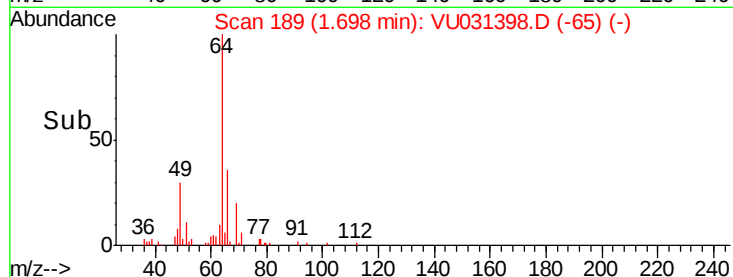
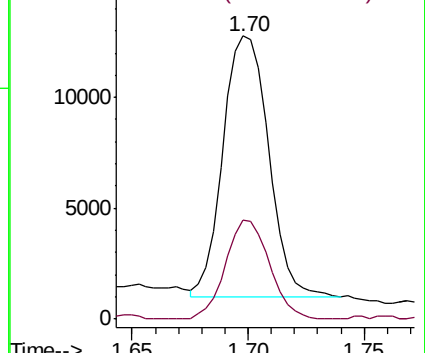
64 100

66 35.0 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VU031400.D (-180) (-)

Ion 66.00 (65.70 to 66.70): VU031400.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 3.147 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU031398.D

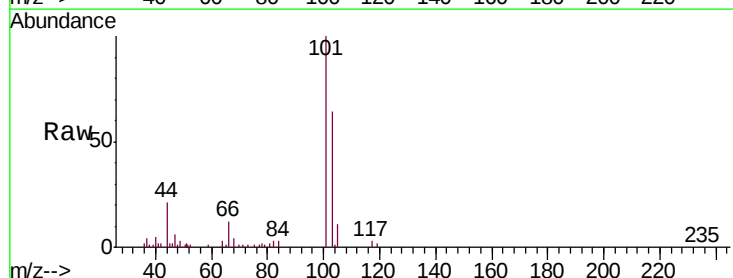
Acq: 22 Apr 2019 17:27

Tgt Ion: 101 Resp: 32783

Ion Ratio Lower Upper

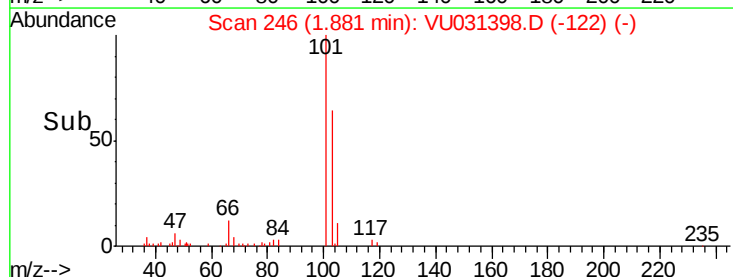
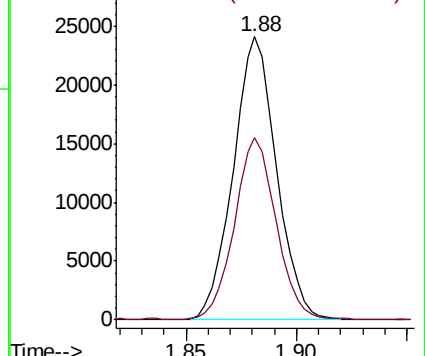
101 100

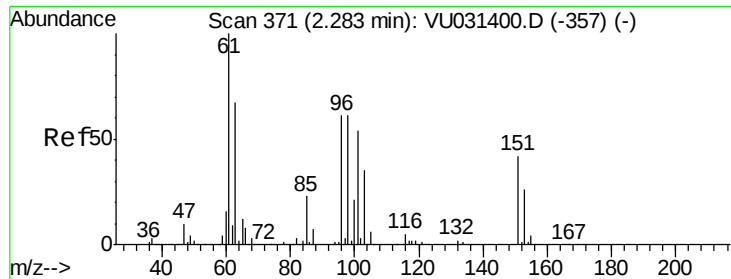
103 62.0 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU031400.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU031400.D (-233) (-)





#10

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

Concen: 3.259 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00548

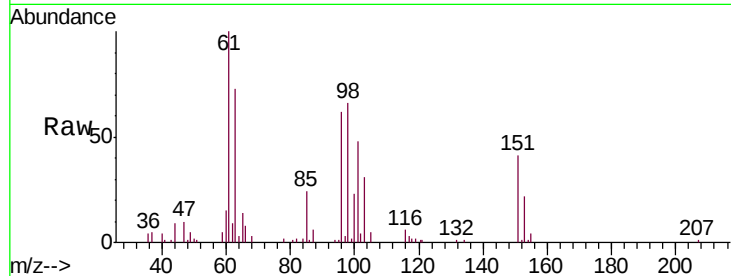
Tgt Ion: 101 Resp: 18121

Ion Ratio Lower Upper

101 100

85 41.9 33.1 49.7

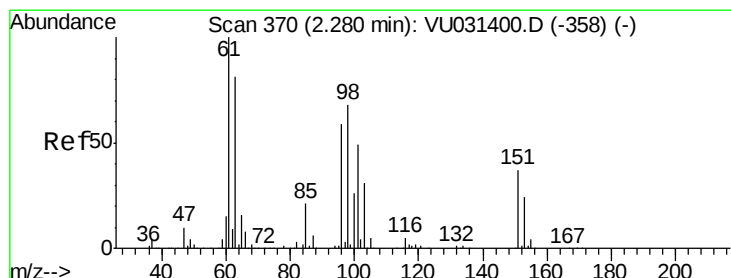
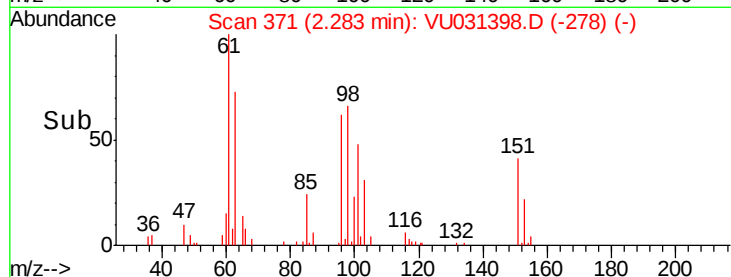
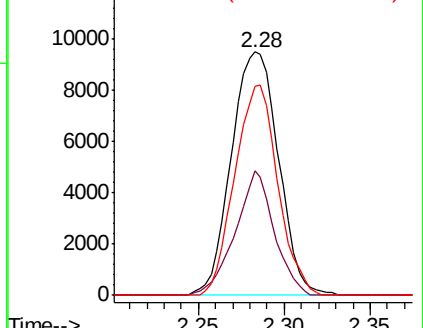
151 78.4 61.4 92.0



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: 3.424 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

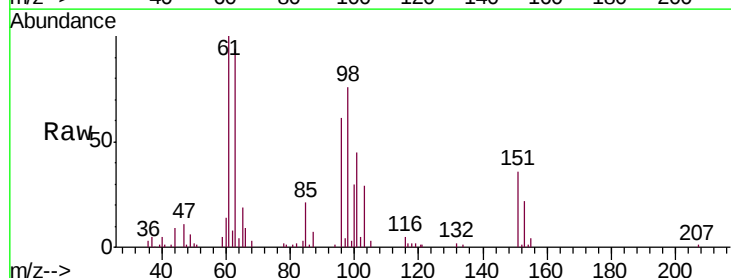
Tgt Ion: 96 Resp: 18710

Ion Ratio Lower Upper

96 100

61 163.0 118.9 220.9

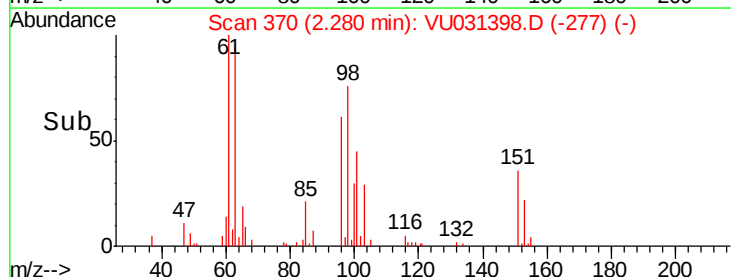
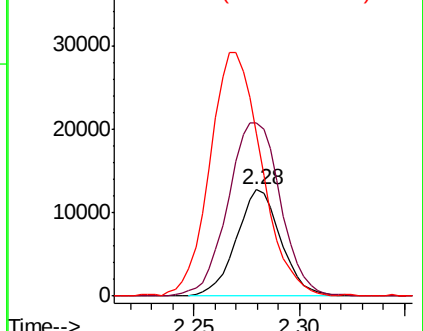
63 153.6 99.3 184.3

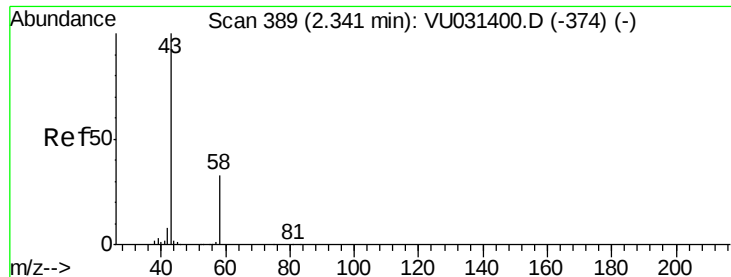


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.687 ug/L

RT: 2.35 min Scan# 391

Delta R.T. 0.01 min

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ClientSampleId :

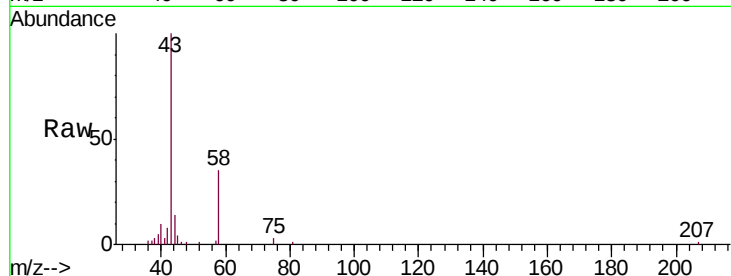
VSTD00548

Tgt Ion: 43 Resp: 32042

Ion Ratio Lower Upper

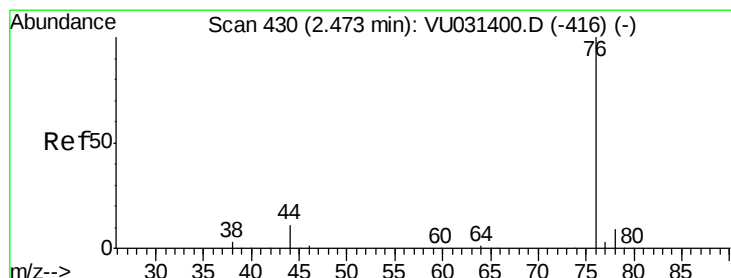
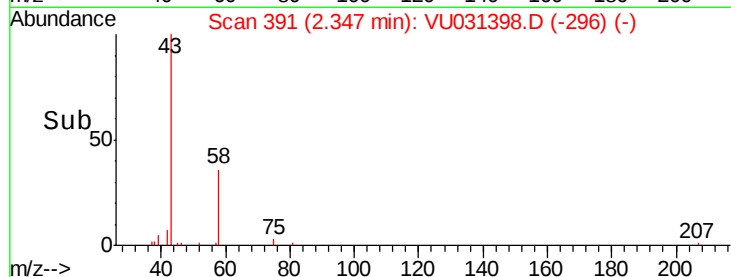
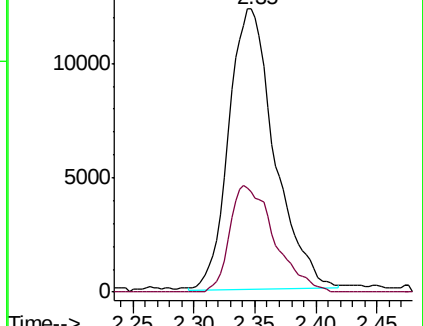
43 100

58 36.9 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VU031400.D (-374) (-)

Ion 58.00 (57.70 to 58.70): VU031400.D (-374) (-)



#14

Carbon disulfide

Concen: 3.852 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU031398.D

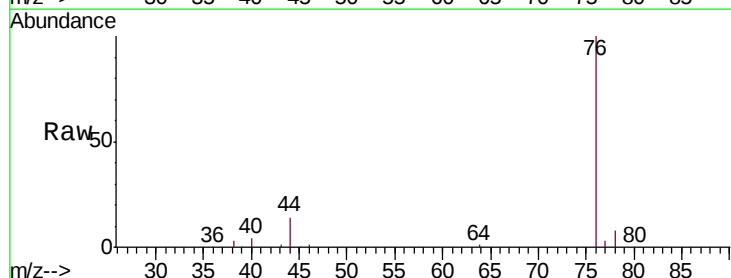
Acq: 22 Apr 2019 17:27

Tgt Ion: 76 Resp: 57579

Ion Ratio Lower Upper

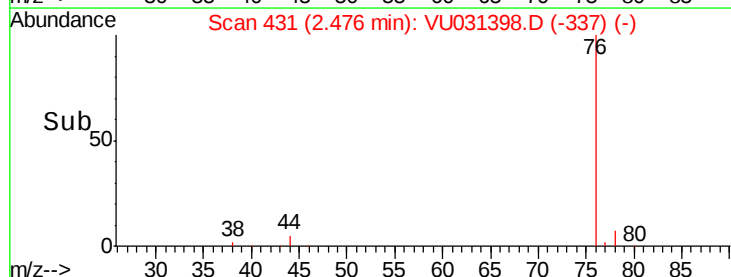
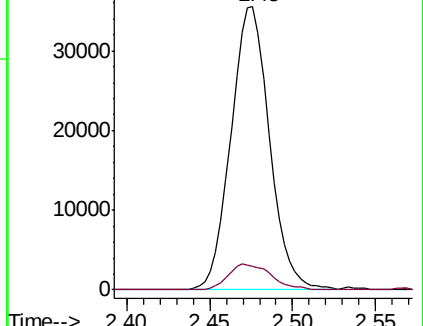
76 100

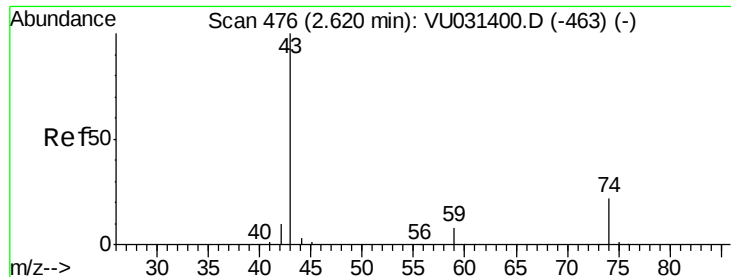
78 8.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU031400.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU031400.D (-416) (-)





#15

Methyl Acetate

Concen: 4.157 ug/L

RT: 2.63 min Scan# 478

Delta R.T. 0.01 min

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ClientSampleId :

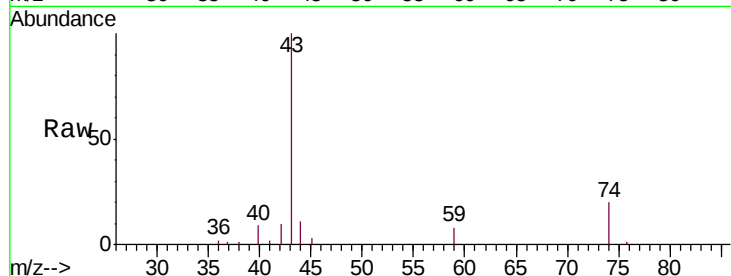
VSTD00548

Tgt Ion: 43 Resp: 26751

Ion Ratio Lower Upper

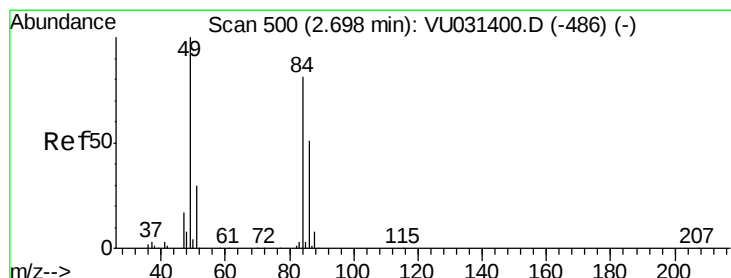
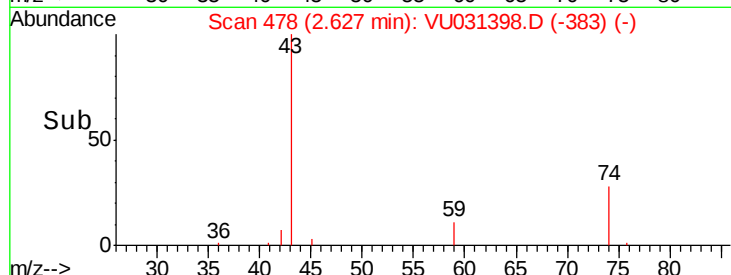
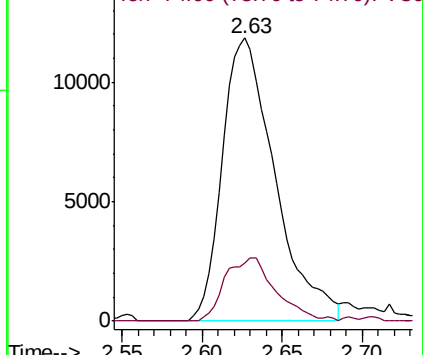
43 100

74 0.3 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VU031400.D

Ion 74.00 (73.70 to 74.70): VU031400.D



#16

Methylene chloride

Concen: 4.019 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

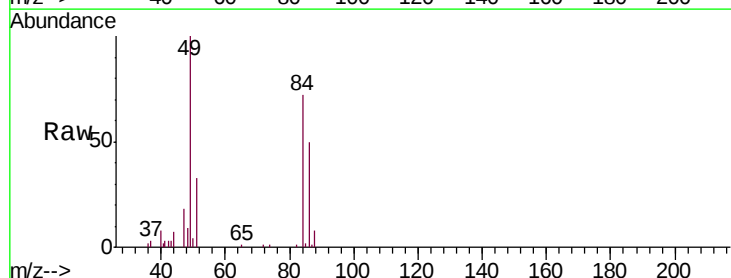
Tgt Ion: 84 Resp: 21810

Ion Ratio Lower Upper

84 100

86 69.7 44.4 82.5

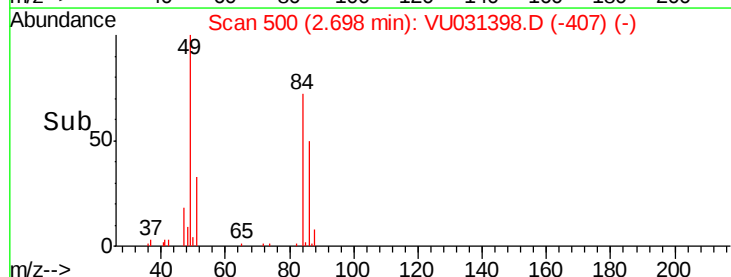
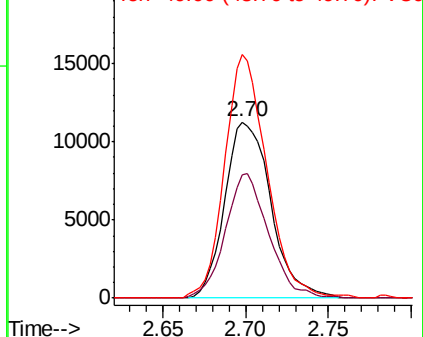
49 138.1 86.7 161.1

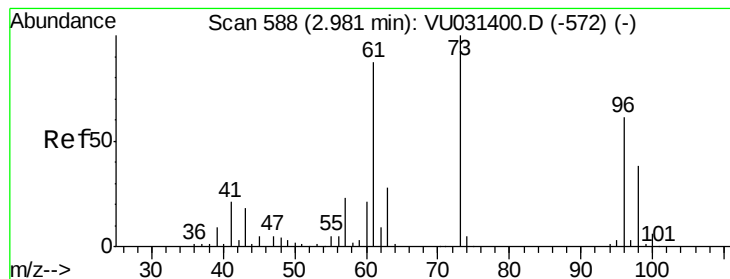


Abundance Ion 84.00 (83.70 to 84.70): VU031400.D

Ion 86.00 (85.70 to 86.70): VU031400.D

Ion 49.00 (48.70 to 49.70): VU031400.D





#17

trans-1,2-Dichloroethene

Concen: 3.694 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00548

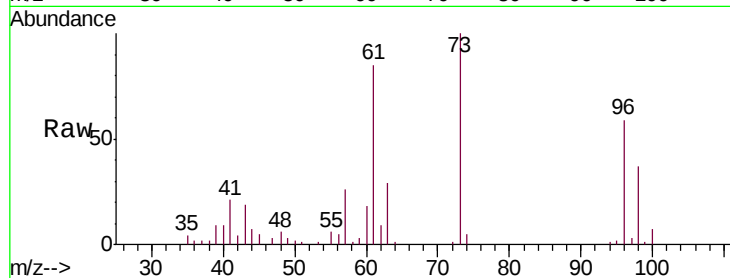
Tgt Ion: 96 Resp: 18859

Ion Ratio Lower Upper

96 100

61 143.2 100.3 186.3

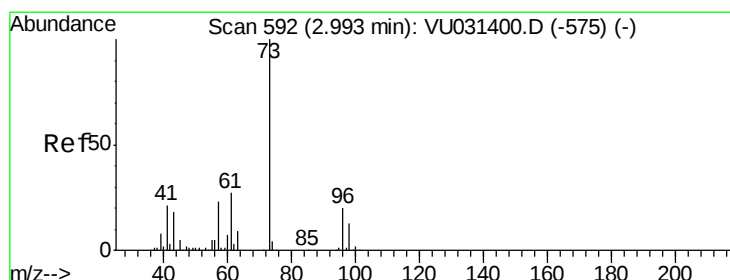
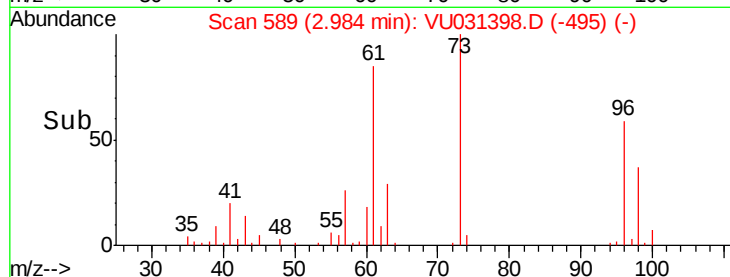
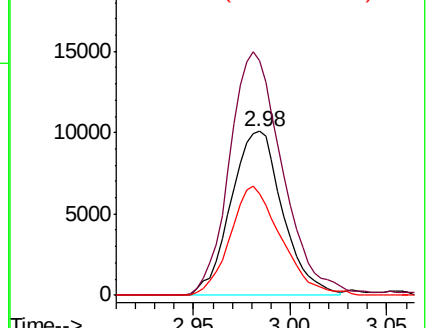
98 61.7 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU031400.D (-572) (-)

Ion 61.00 (60.70 to 61.70): VU031400.D (-572) (-)

Ion 98.00 (97.70 to 98.70): VU031400.D (-572) (-)



#18

Methyl tert-butyl Ether

Concen: 3.826 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

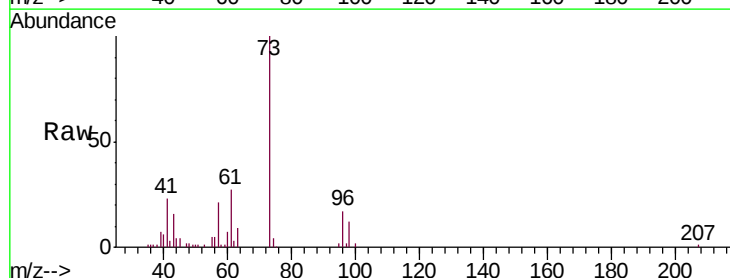
Tgt Ion: 73 Resp: 61485

Ion Ratio Lower Upper

73 100

43 18.5 14.6 21.8

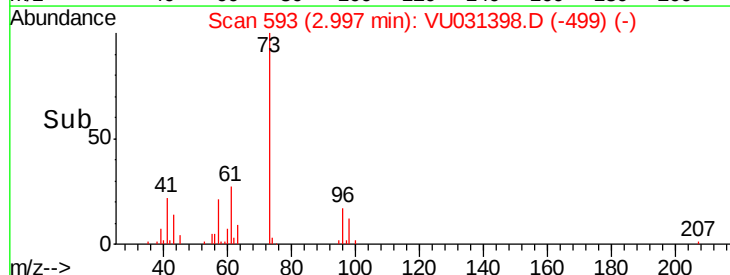
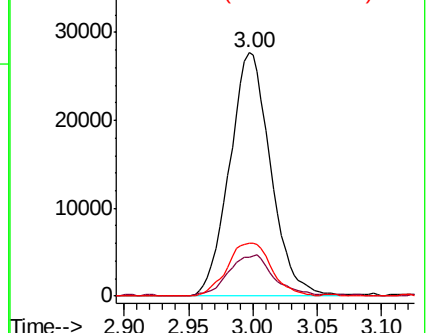
57 23.4 18.5 27.7

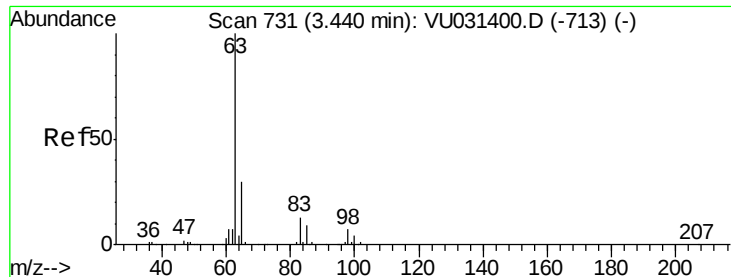


Abundance Ion 73.00 (72.70 to 73.70): VU031400.D (-575) (-)

Ion 43.00 (42.70 to 43.70): VU031400.D (-575) (-)

Ion 57.00 (56.70 to 57.70): VU031400.D (-575) (-)

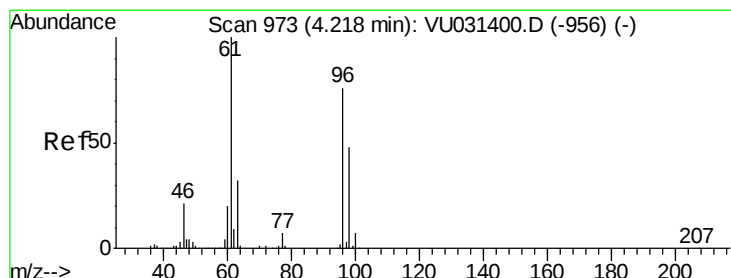
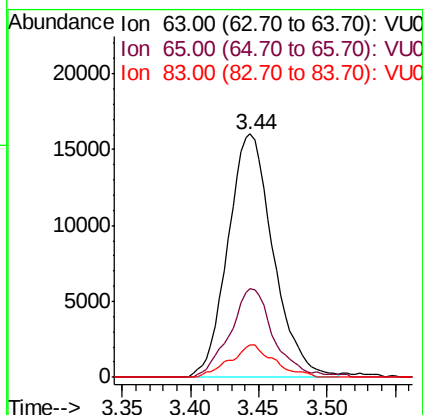
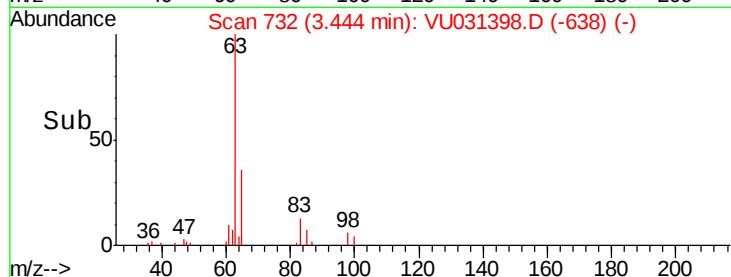
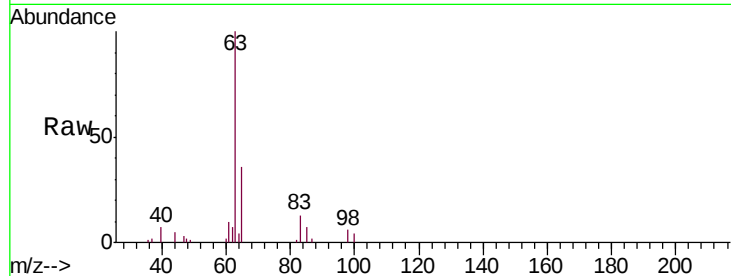




#19
 1,1-Dichloroethane
 Concen: 3.676 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU031398.D
 Acq: 22 Apr 2019 17:27

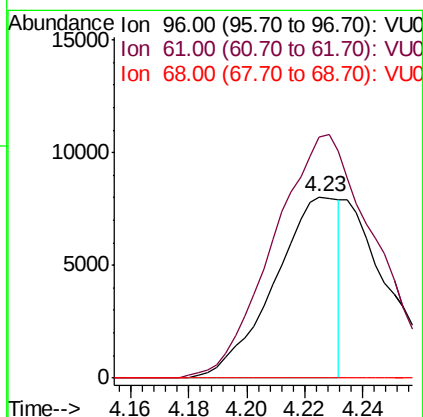
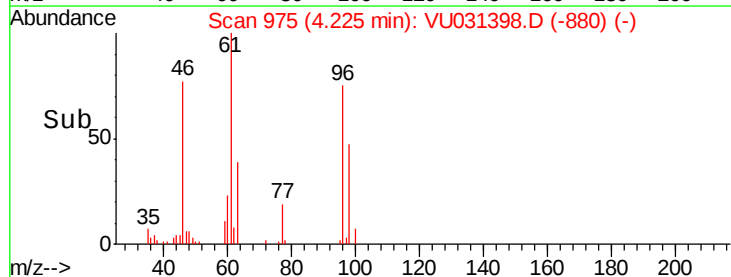
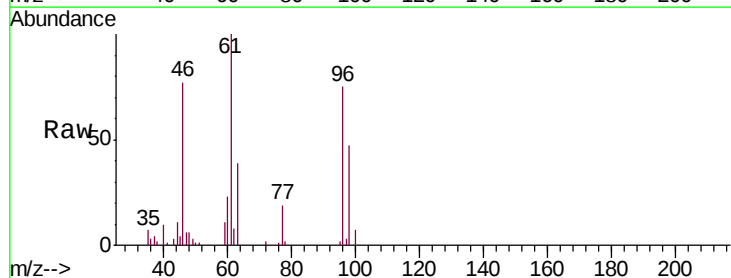
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00548

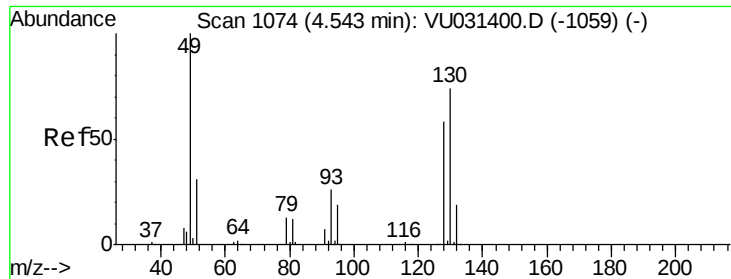
Tgt Ion	Ratio	Lower	Upper
63	100		
65	36.2	21.2	39.4
83	13.3	9.2	17.2



#20
 cis-1,2-Dichloroethene
 Concen: 2.152 ug/L
 RT: 4.23 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VU031398.D
 Acq: 22 Apr 2019 17:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.0	91.9	170.7
68	0.0	0.0	0.0





#23

Bromochloromethane

Concen: 3.819 ug/L

RT: 4.56 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00548

Tgt Ion:128 Resp: 10936

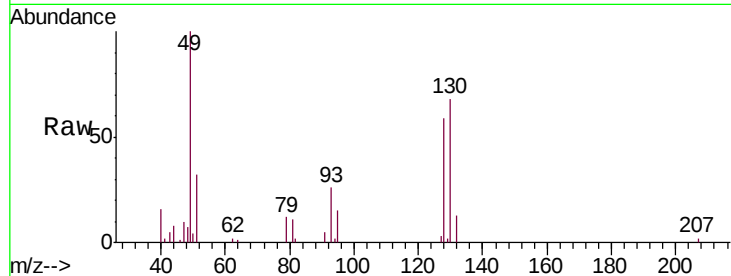
Ion Ratio Lower Upper

128 100

49 168.6 120.1 223.1

130 115.1 88.5 164.3

51 53.7 43.0 64.4

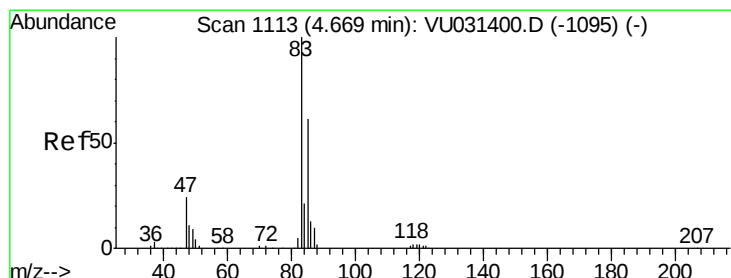
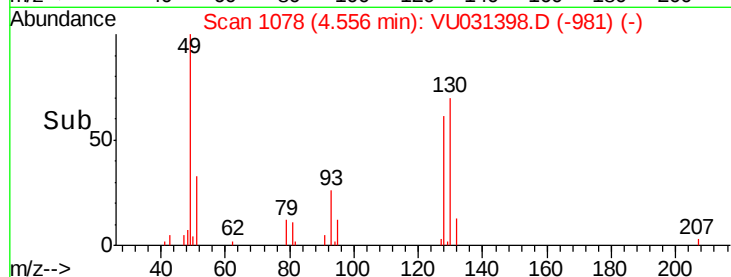
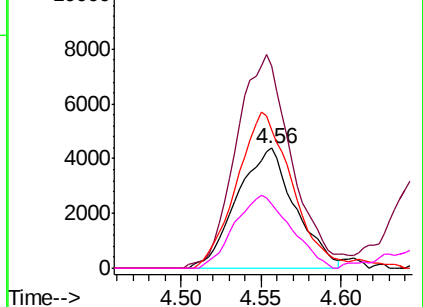


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0



#25

Chloroform

Concen: 3.449 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU031398.D

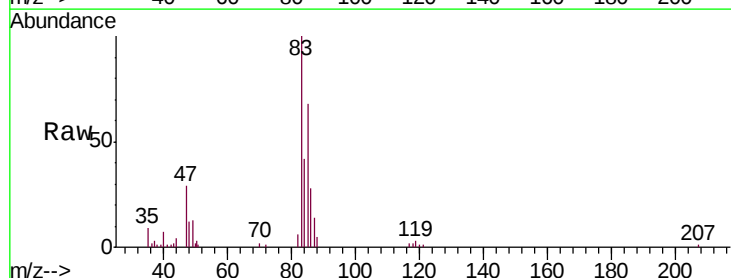
Acq: 22 Apr 2019 17:27

Tgt Ion: 83 Resp: 34592

Ion Ratio Lower Upper

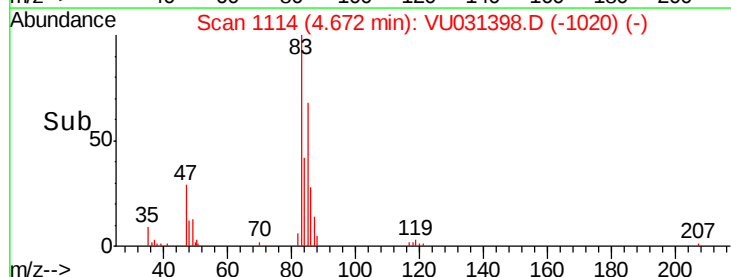
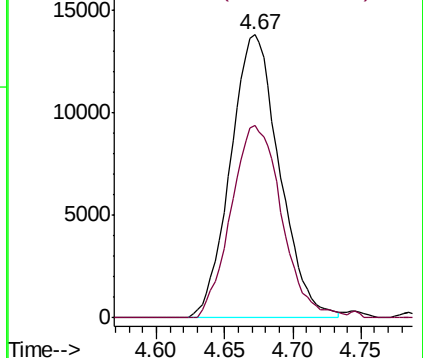
83 100

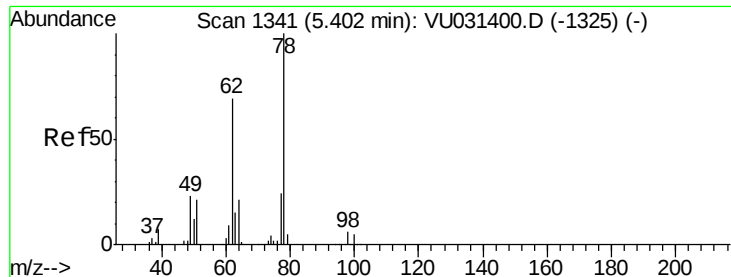
85 68.0 43.0 79.8



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 3.421 ug/L

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

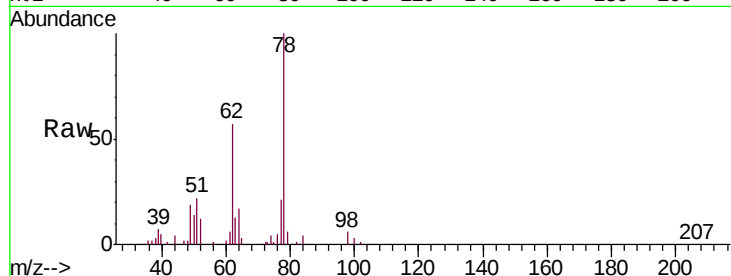
VSTD00548

Tgt Ion: 62 Resp: 26046

Ion Ratio Lower Upper

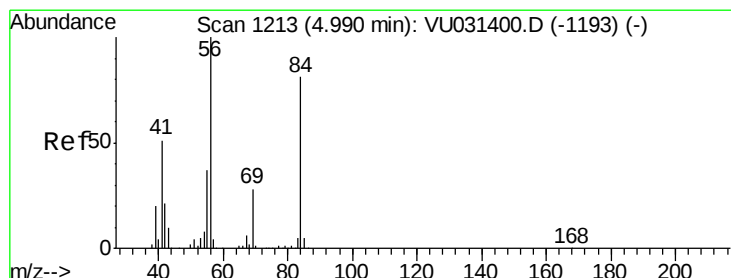
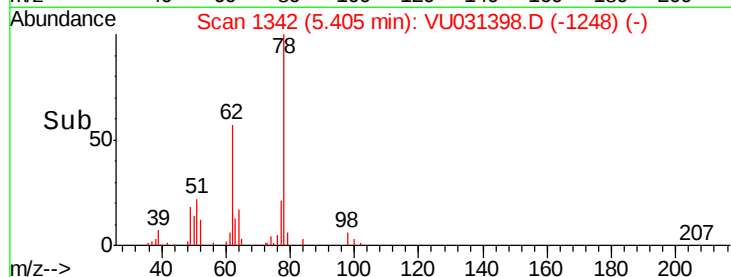
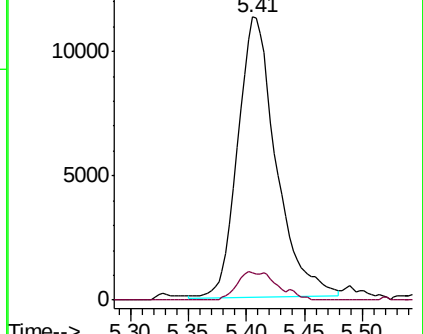
62 100

98 9.8 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU031398.D (-1248) (-)

Ion 98.00 (97.70 to 98.70): VU031398.D (-1248) (-)



#29

Cyclohexane

Concen: 3.607 ug/L

RT: 4.99 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

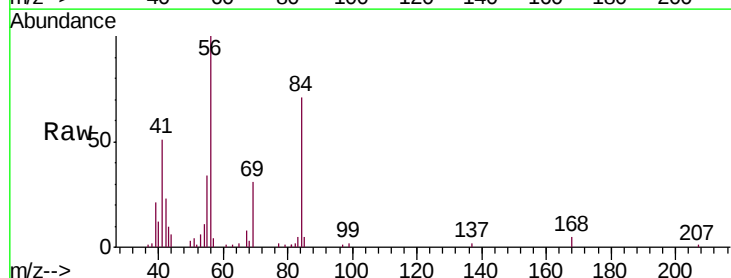
Tgt Ion: 56 Resp: 31909

Ion Ratio Lower Upper

56 100

69 29.5 23.3 34.9

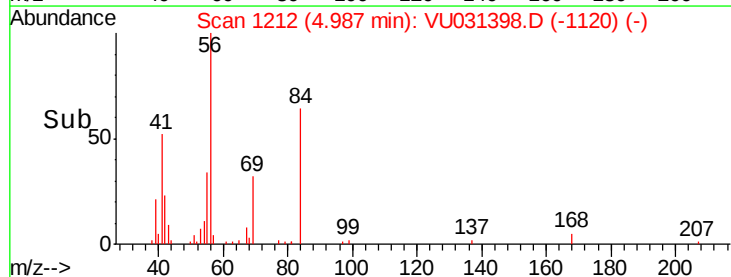
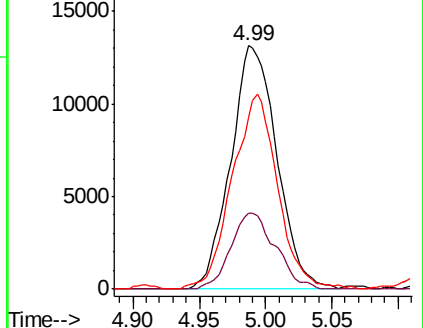
84 78.3 64.6 96.8

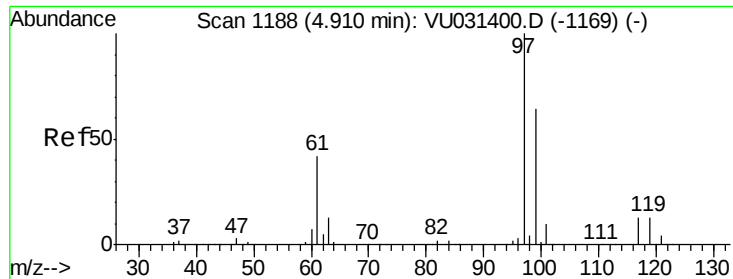


Abundance Ion 56.00 (55.70 to 56.70): VU031398.D (-1120) (-)

Ion 69.00 (68.70 to 69.70): VU031398.D (-1120) (-)

Ion 84.00 (83.70 to 84.70): VU031398.D (-1120) (-)

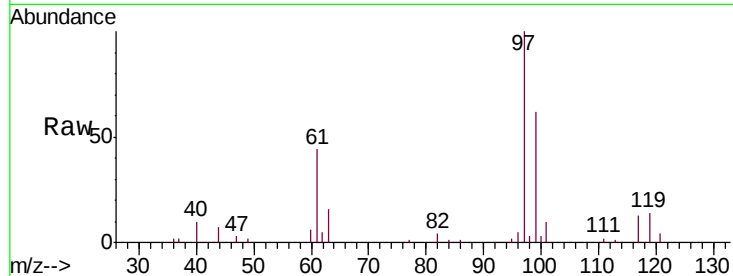




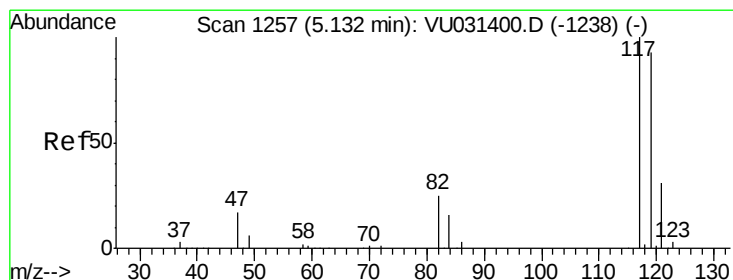
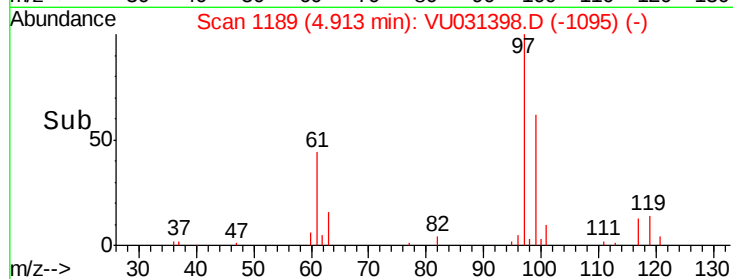
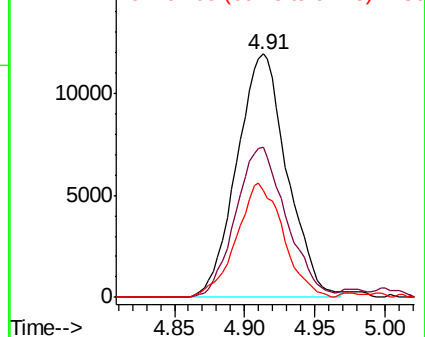
#30
 1,1,1-Trichloroethane
 Concen: 3.586 ug/L
 RT: 4.91 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VU031398.D
 Acq: 22 Apr 2019 17:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00548

Tgt Ion: 97 Resp: 29723
 Ion Ratio Lower Upper
 97 100
 99 62.2 52.0 78.0
 61 43.7 33.9 50.9

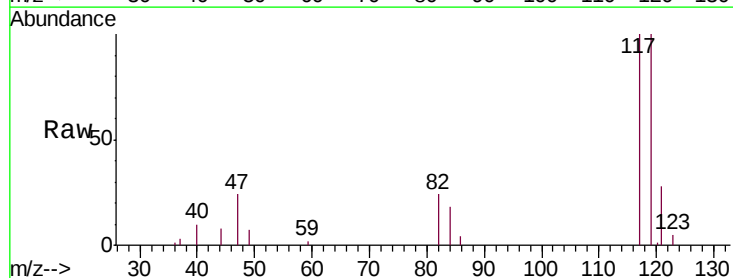


Abundance Ion 97.00 (96.70 to 97.70): VU031400.D (-1169) (-)
 Ion 99.00 (98.70 to 99.70): VU031400.D (-1169) (-)
 Ion 61.05 (60.75 to 61.75): VU031400.D (-1169) (-)

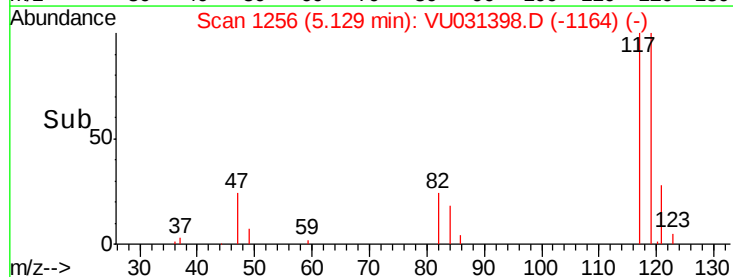
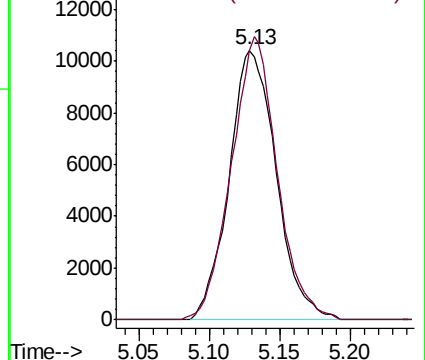


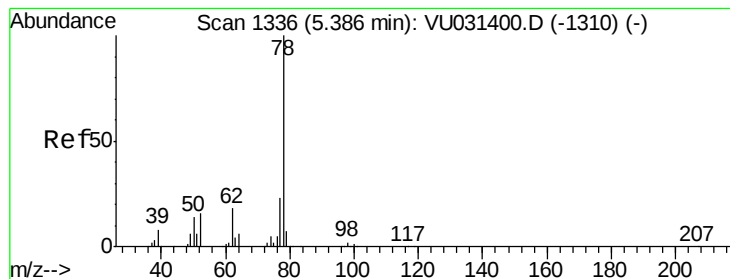
#31
 Carbon tetrachloride
 Concen: 3.403 ug/L
 RT: 5.13 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VU031398.D
 Acq: 22 Apr 2019 17:27

Tgt Ion: 117 Resp: 24380
 Ion Ratio Lower Upper
 117 100
 119 102.2 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): VU031400.D (-1238) (-)
 Ion 119.00 (118.70 to 119.70): VU031400.D (-1238) (-)





#33

Benzene

Concen: 3.879 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

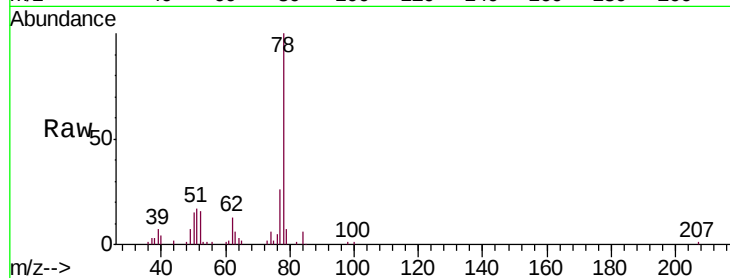
Instrument :

MSVOA_U

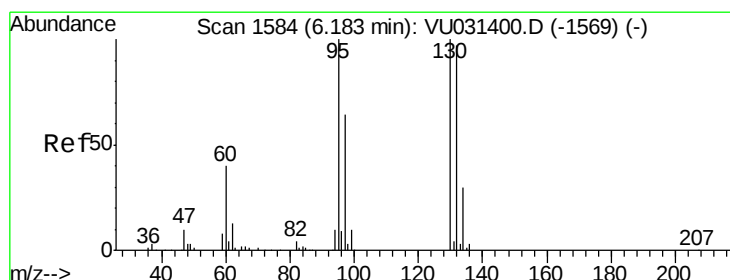
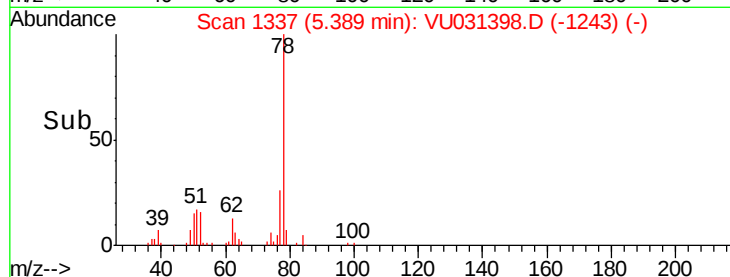
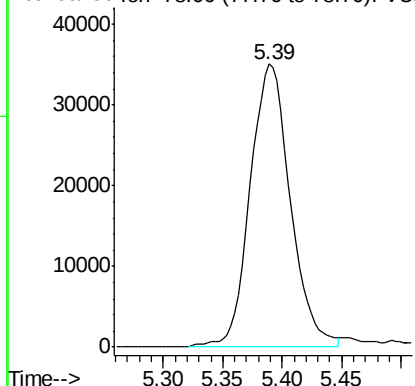
ClientSampleId :

VSTD00548

Tgt Ion: 78 Resp: 82349



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 4.424 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

Tgt Ion: 95 Resp: 23748

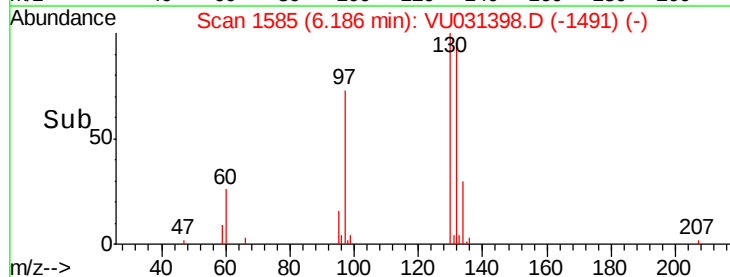
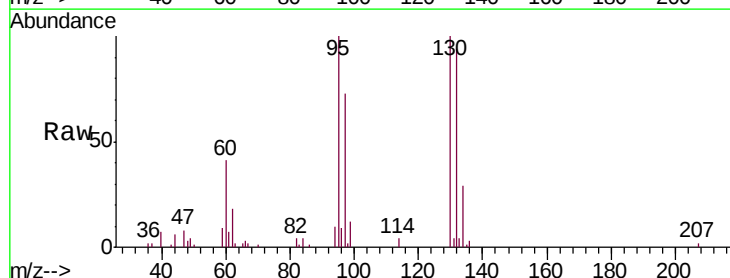
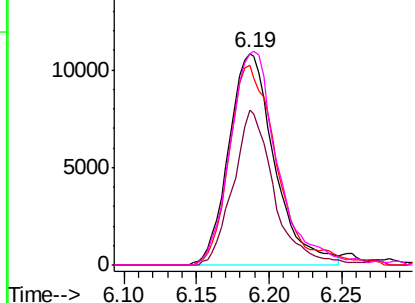
Ion	Ratio	Lower	Upper
95	100		
97	73.1	44.9	83.5
132	94.5	68.0	126.2
130	99.6	70.1	130.1

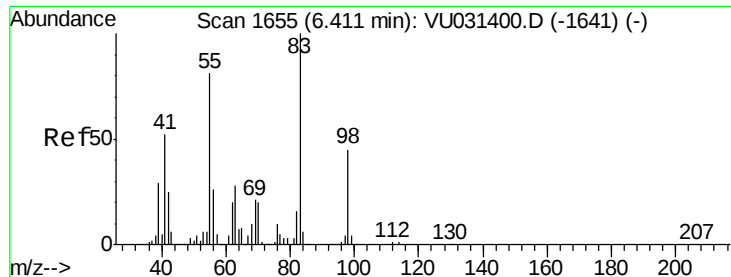
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#35

Methylcyclohexane

Concen: 3.834 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00548

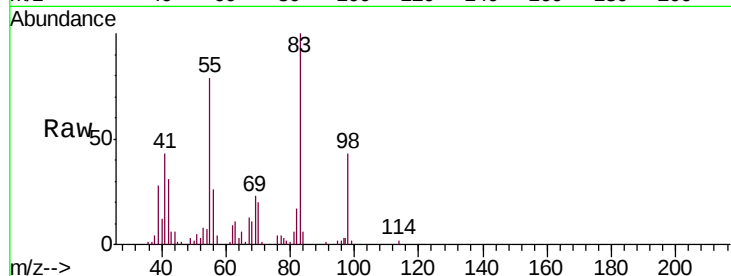
Tgt Ion: 83 Resp: 30710

Ion Ratio Lower Upper

83 100

55 81.4 65.4 98.0

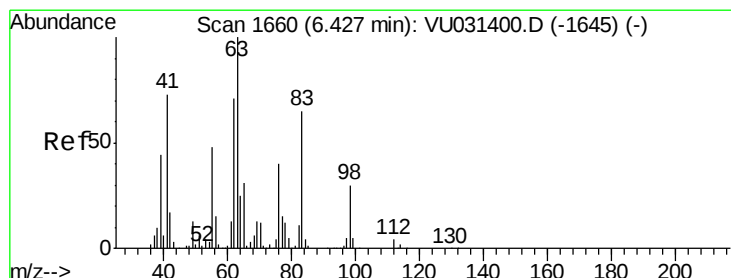
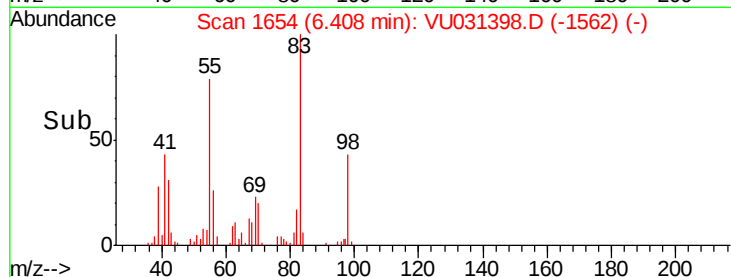
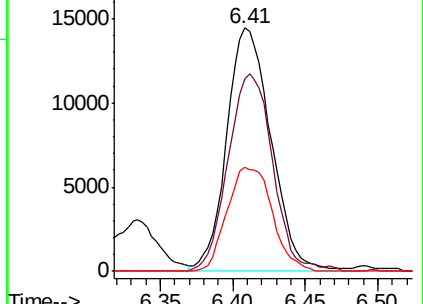
98 43.6 36.8 55.2



Abundance Ion 83.00 (82.70 to 83.70): VU031398.D (-1654) (-)

Ion 55.00 (54.70 to 55.70): VU031398.D (-1654) (-)

Ion 98.00 (97.70 to 98.70): VU031398.D (-1654) (-)



#37

1,2-Dichloropropane

Concen: 3.646 ug/L

RT: 6.43 min Scan# 1662

Delta R.T. 0.01 min

Lab File: VU031398.D

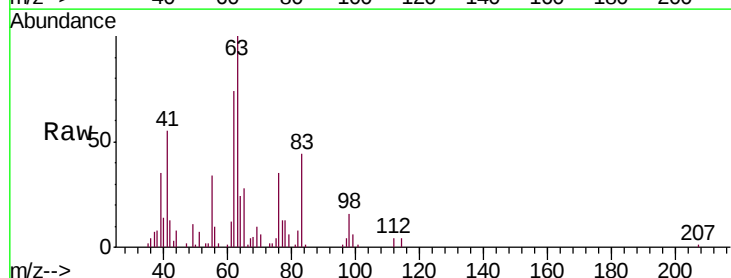
Acq: 22 Apr 2019 17:27

Tgt Ion: 63 Resp: 20654

Ion Ratio Lower Upper

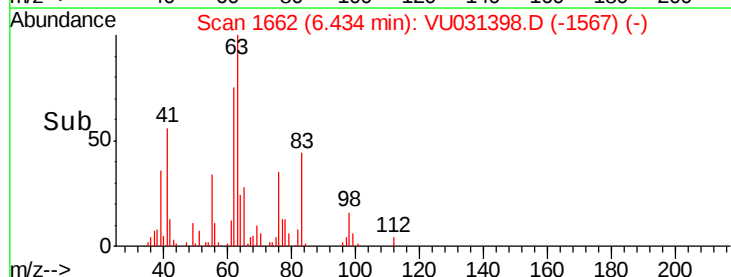
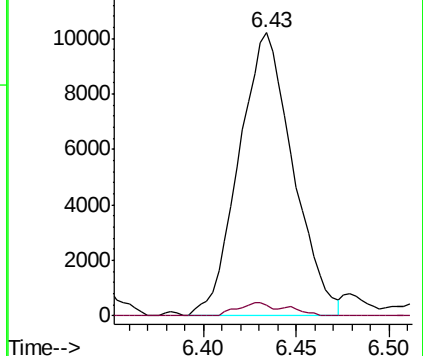
63 100

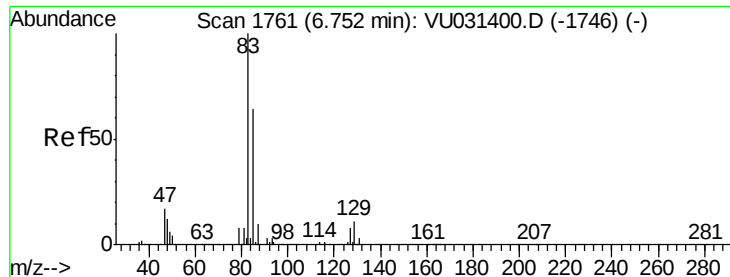
112 3.0 3.0 4.4



Abundance Ion 63.00 (62.70 to 63.70): VU031398.D (-1567) (-)

Ion 112.00 (111.70 to 112.70): VU031398.D (-1567) (-)

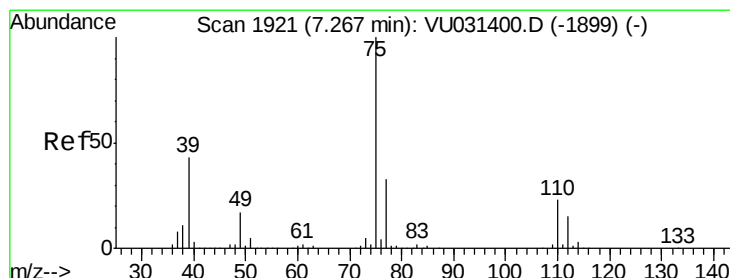
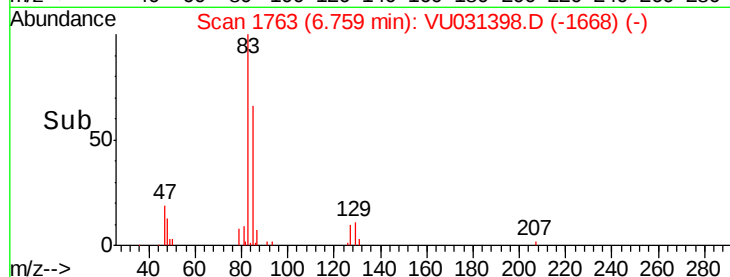
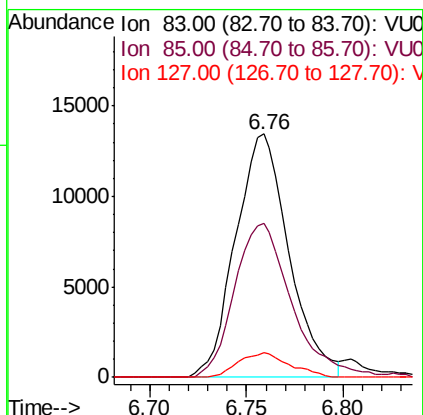
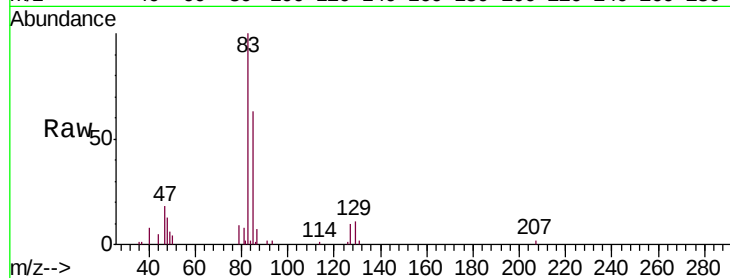




#38
 Bromodichloromethane
 Concen: 3.607 ug/L
 RT: 6.76 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: VU031398.D
 Acq: 22 Apr 2019 17:27

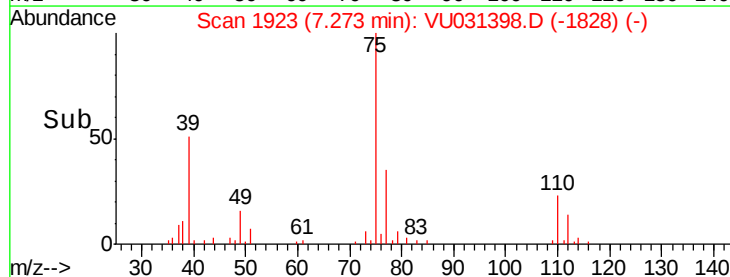
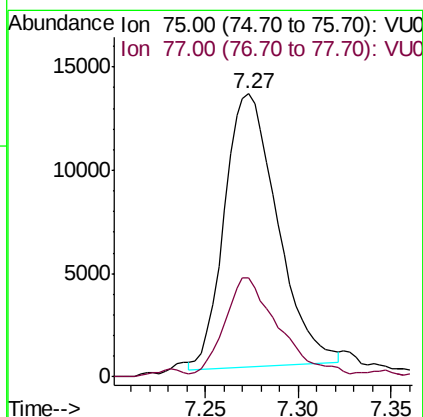
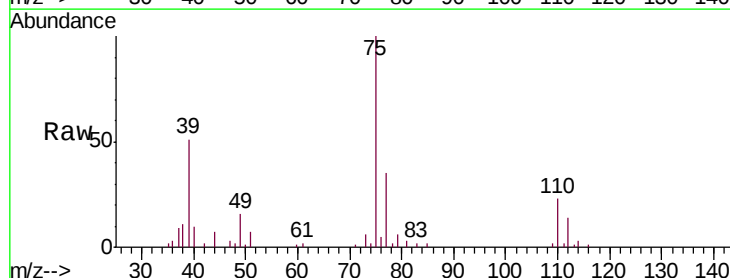
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00548

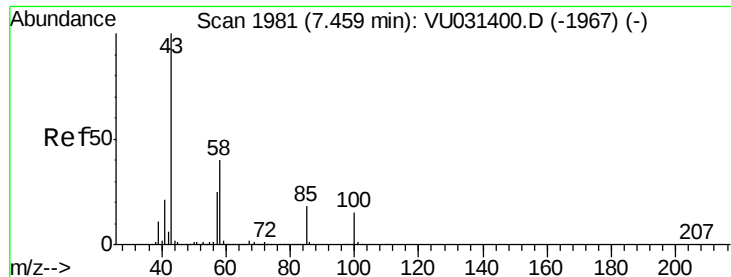
Tgt Ion: 83 Resp: 25785
 Ion Ratio Lower Upper
 83 100
 85 63.2 45.0 83.6
 127 9.9 6.7 10.1



#39
 cis-1,3-Dichloropropene
 Concen: 3.086 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VU031398.D
 Acq: 22 Apr 2019 17:27

Tgt Ion: 75 Resp: 26349
 Ion Ratio Lower Upper
 75 100
 77 34.8 23.0 42.8

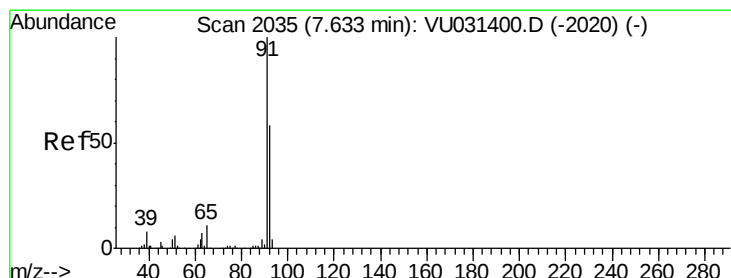
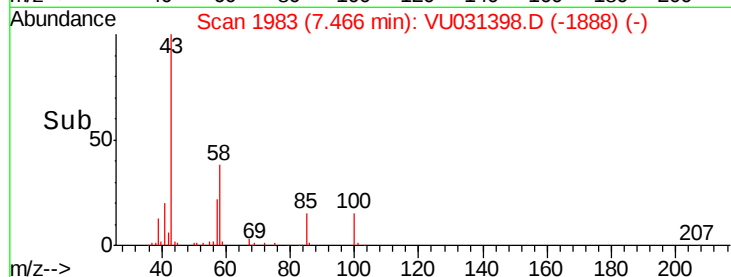
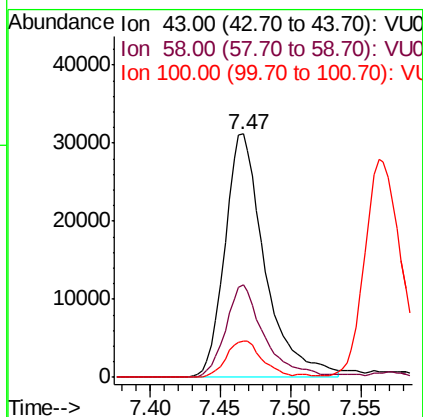
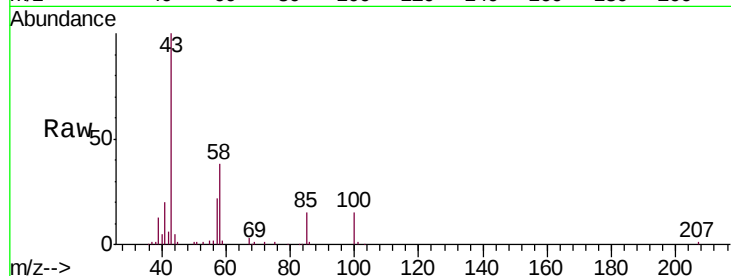




#40
 4-Methyl-2-pentanone
 Concen: 7.673 ug/L
 RT: 7.47 min Scan# 1983
 Delta R.T. 0.01 min
 Lab File: VU031398.D
 Acq: 22 Apr 2019 17:27

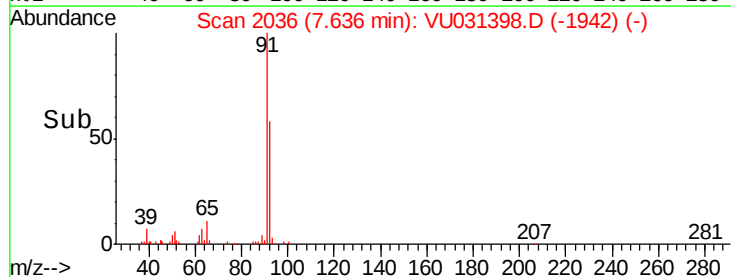
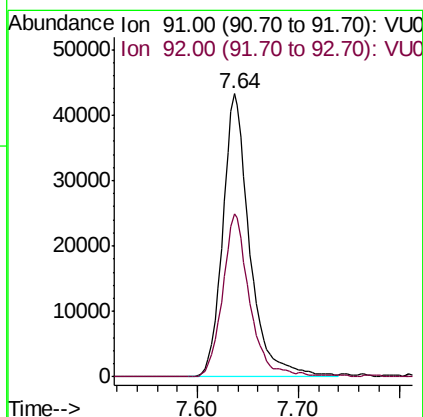
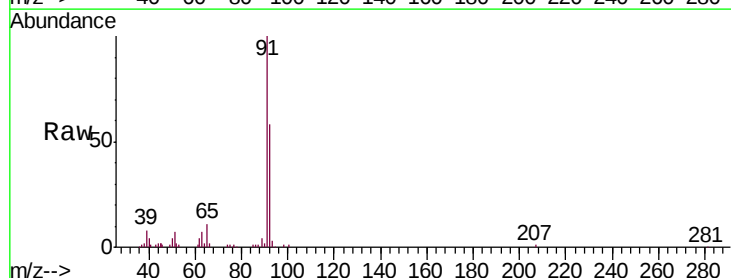
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00548

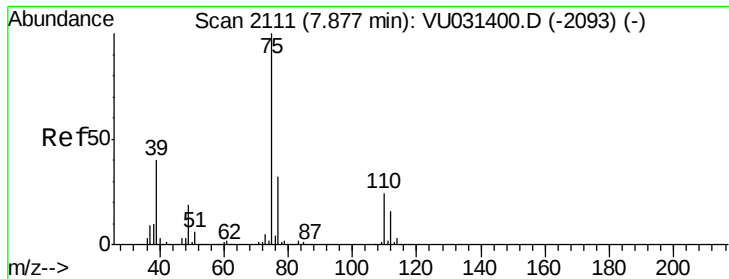
Tgt Ion: 43 Resp: 61770
 Ion Ratio Lower Upper
 43 100
 58 36.6 32.3 48.5
 100 13.5 11.8 17.8



#42
 Toluene
 Concen: 3.777 ug/L
 RT: 7.64 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VU031398.D
 Acq: 22 Apr 2019 17:27

Tgt Ion: 91 Resp: 80841
 Ion Ratio Lower Upper
 91 100
 92 57.8 40.6 75.4





#44

trans-1,3-Dichloropropene

Concen: 3.285 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

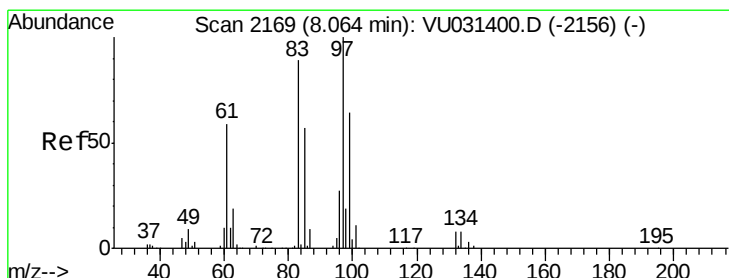
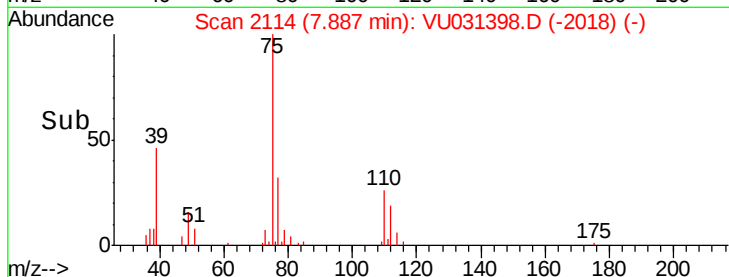
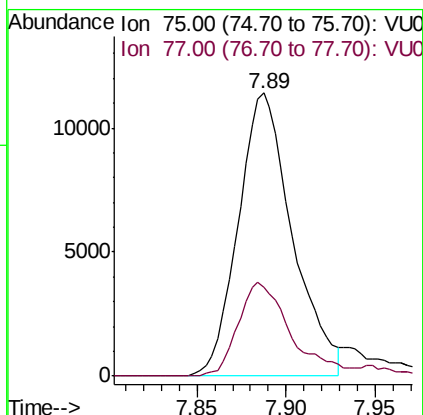
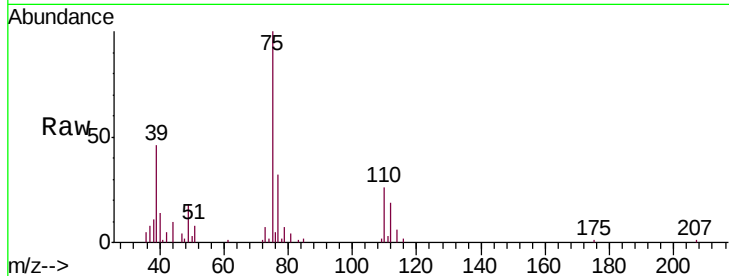
VSTD00548

Tgt Ion: 75 Resp: 24093

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.3



#45

1,1,2-Trichloroethane

Concen: 3.846 ug/L

RT: 8.07 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

Tgt Ion: 97 Resp: 19600

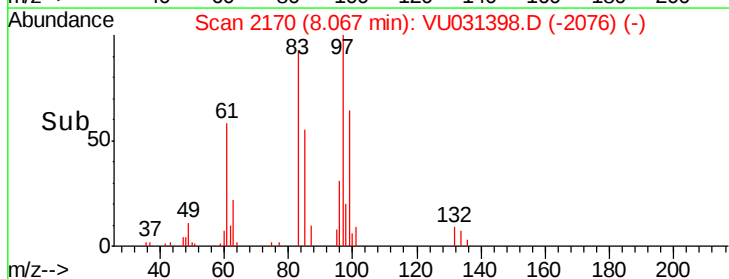
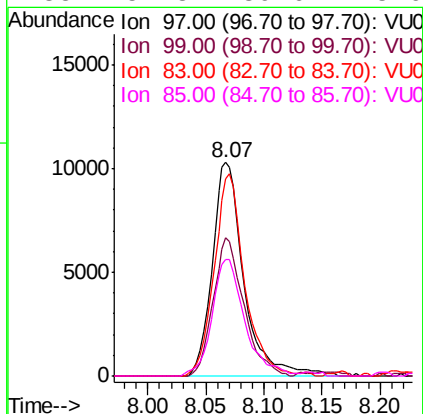
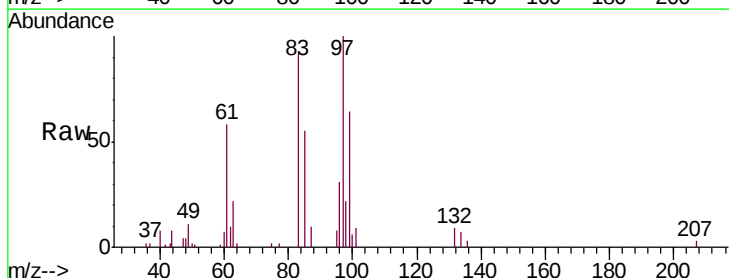
Ion Ratio Lower Upper

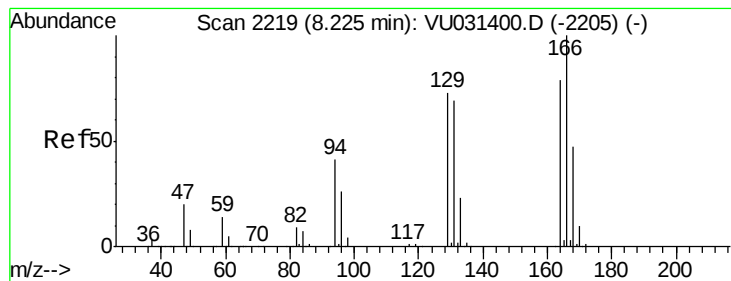
97 100

99 64.4 44.9 83.3

83 92.3 62.5 116.1

85 54.8 39.6 73.6





#46

Tetrachloroethene

Concen: 3.555 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00548

Tgt Ion:164 Resp: 14300

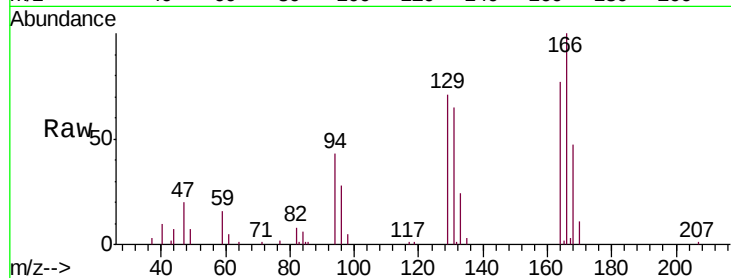
Ion Ratio Lower Upper

164 100

129 91.7 65.2 121.0

131 84.4 61.4 114.0

166 129.2 89.2 165.6

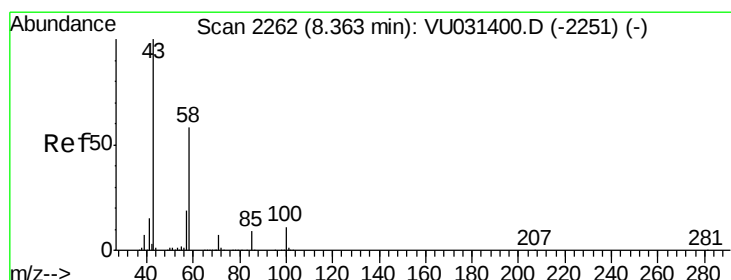
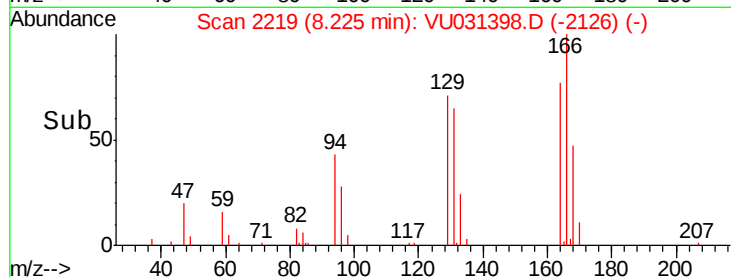
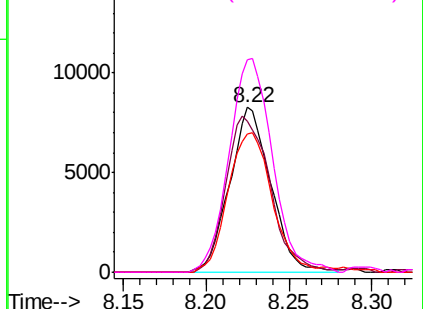


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 7.140 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.01 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

Tgt Ion: 43 Resp: 45650

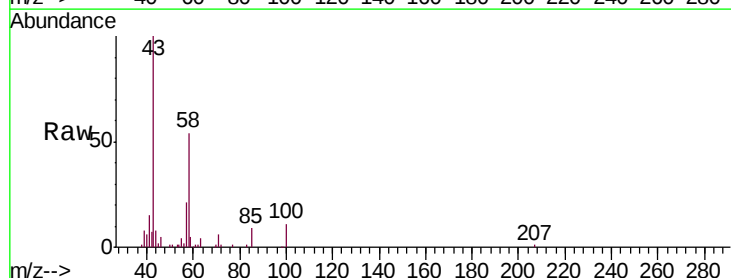
Ion Ratio Lower Upper

43 100

58 52.6 45.5 68.3

57 19.1 15.2 22.8

100 10.4 9.1 13.7

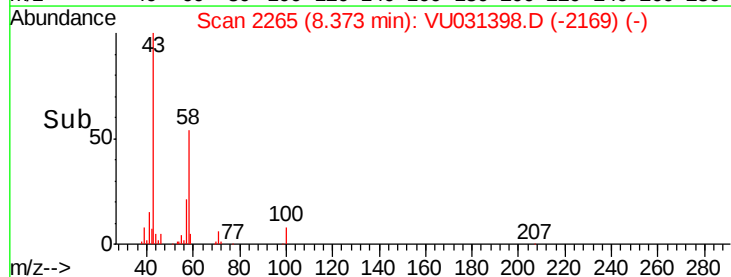
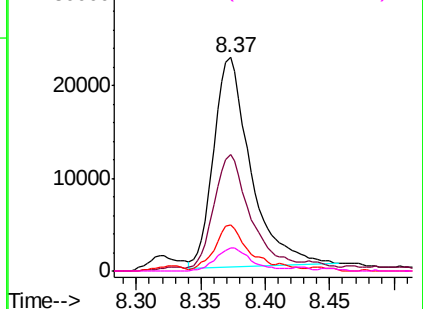


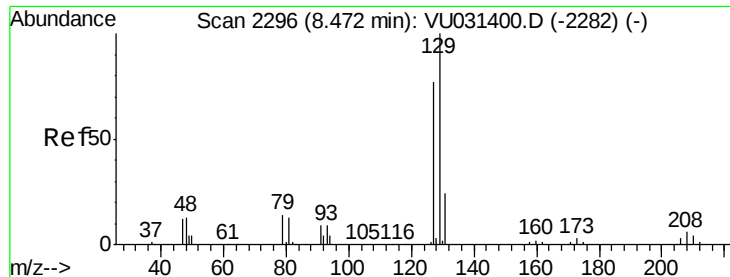
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#49

Dibromochloromethane

Concen: 3.651 ug/L

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

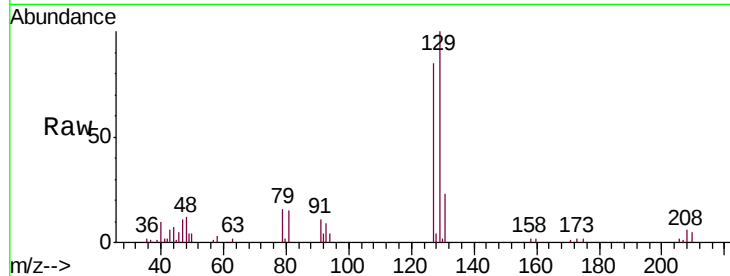
VSTD00548

Tgt Ion:129 Resp: 20083

Ion Ratio Lower Upper

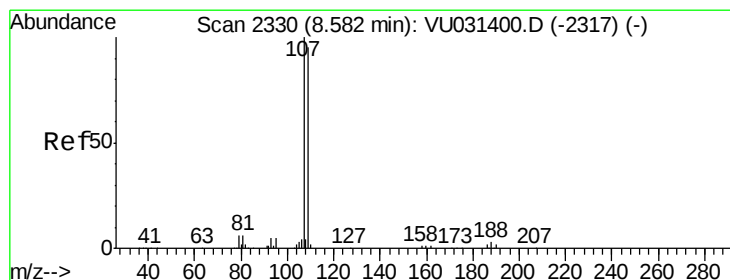
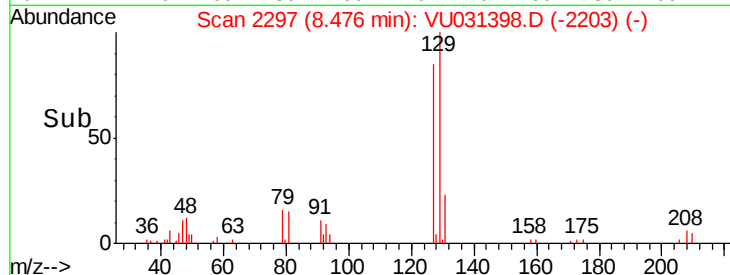
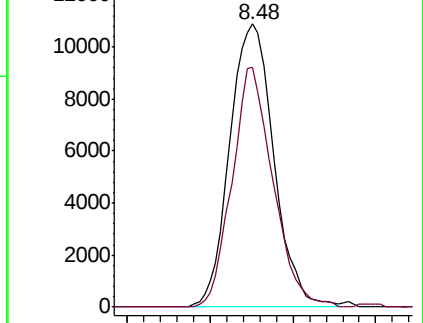
129 100

127 84.6 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 3.481 ug/L

RT: 8.58 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

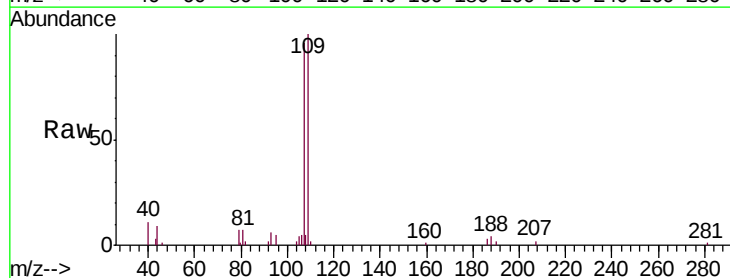
Tgt Ion:107 Resp: 18817

Ion Ratio Lower Upper

107 100

109 103.8 66.6 123.8

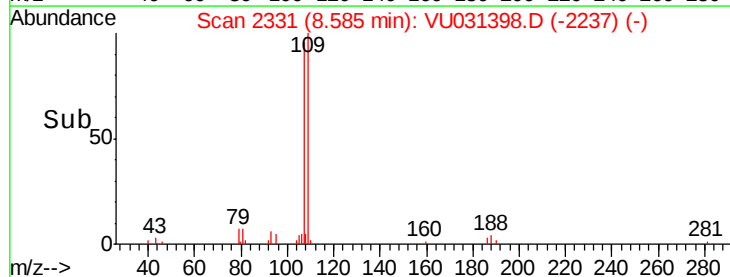
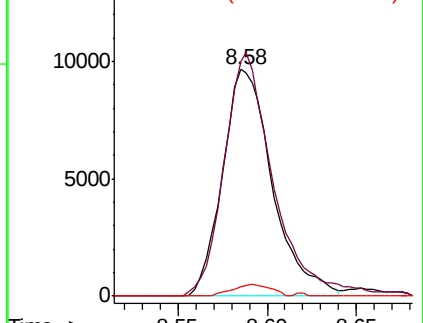
188 3.9 2.6 4.0

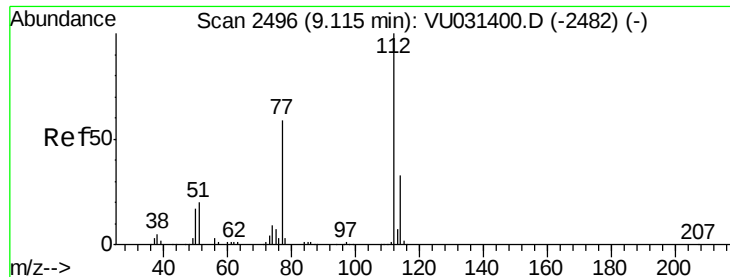


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

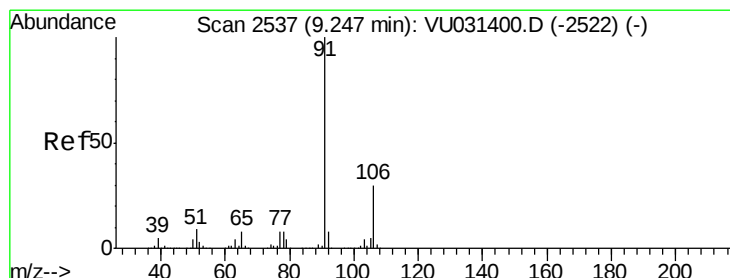
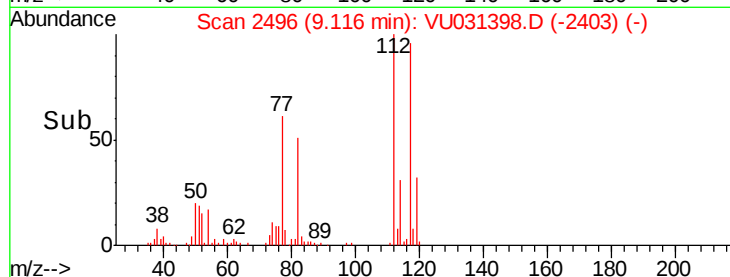
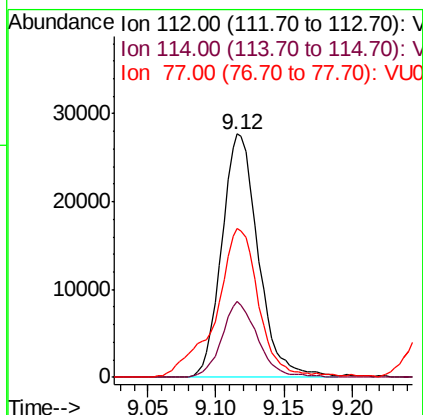
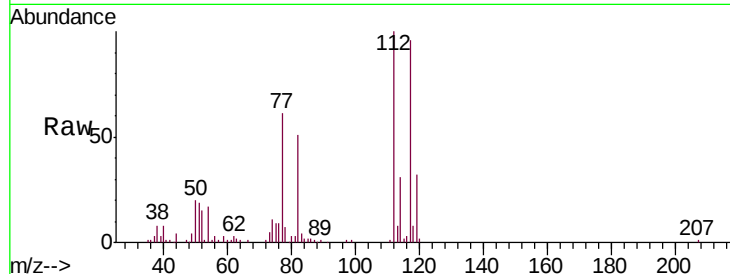




#51
Chlorobenzene
Concen: 3.857 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031398.D
Acq: 22 Apr 2019 17:27

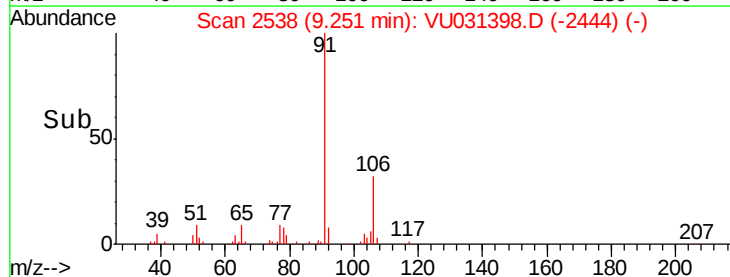
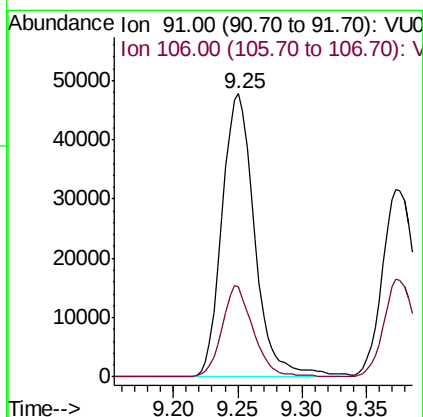
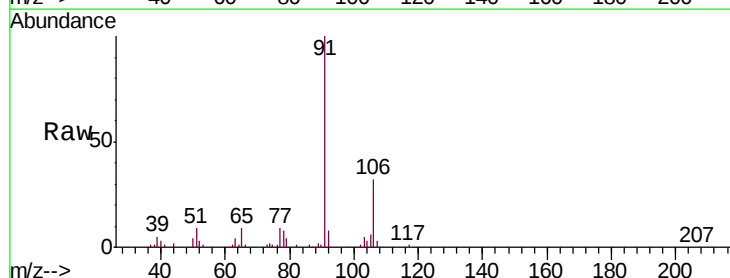
Instrument :
MSVOA_U
ClientSampleId :
VSTD00548

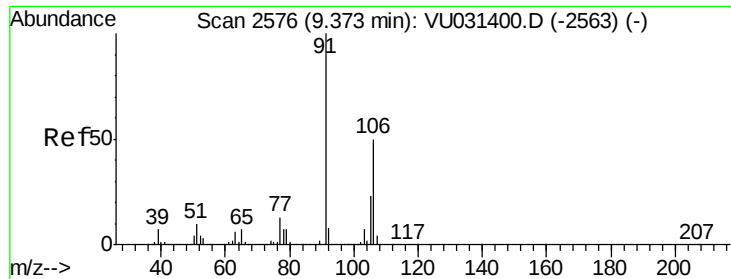
Tgt Ion: 112 Resp: 51446
Ion Ratio Lower Upper
112 100
114 31.0 23.0 42.8
77 60.9 47.1 70.7



#52
Ethylbenzene
Concen: 3.621 ug/L
RT: 9.25 min Scan# 2538
Delta R.T. 0.00 min
Lab File: VU031398.D
Acq: 22 Apr 2019 17:27

Tgt Ion: 91 Resp: 84152
Ion Ratio Lower Upper
91 100
106 31.7 21.3 39.5





#53

m,p-Xylene

Concen: 3.582 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

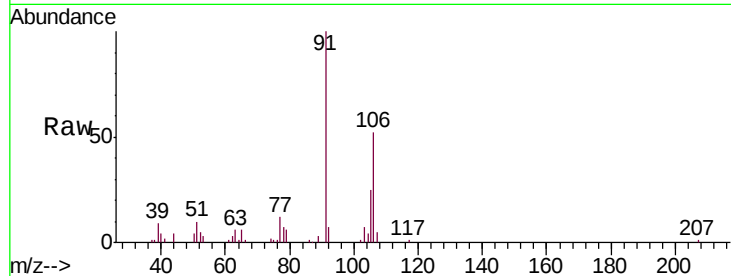
VSTD00548

Tgt Ion:106 Resp: 29487

Ion Ratio Lower Upper

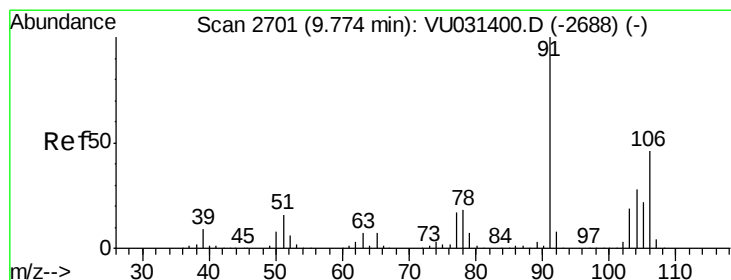
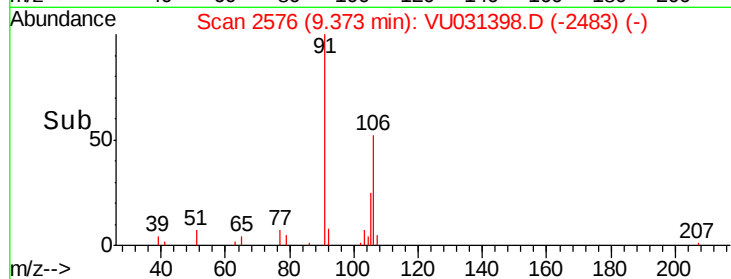
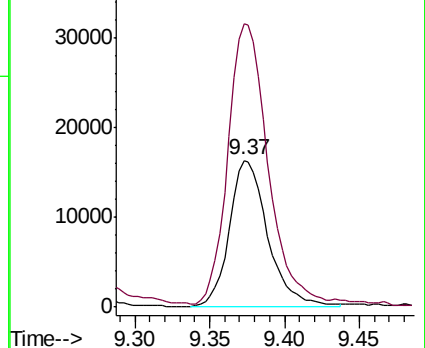
106 100

91 192.6 141.5 262.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 3.512 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU031398.D

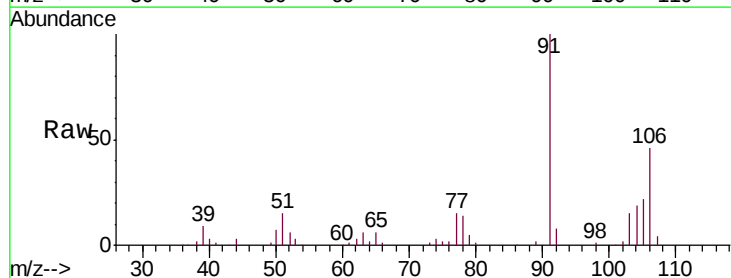
Acq: 22 Apr 2019 17:27

Tgt Ion:106 Resp: 29321

Ion Ratio Lower Upper

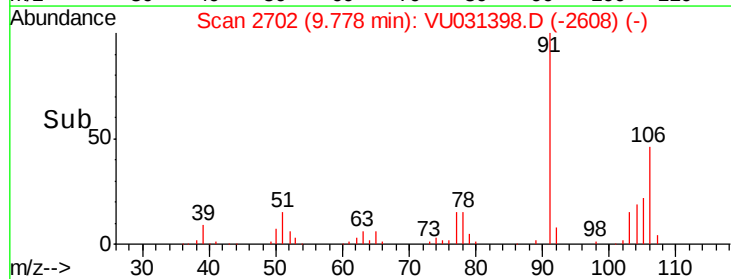
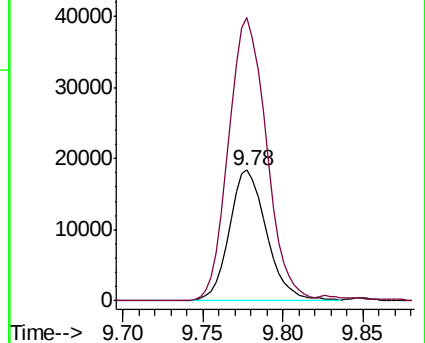
106 100

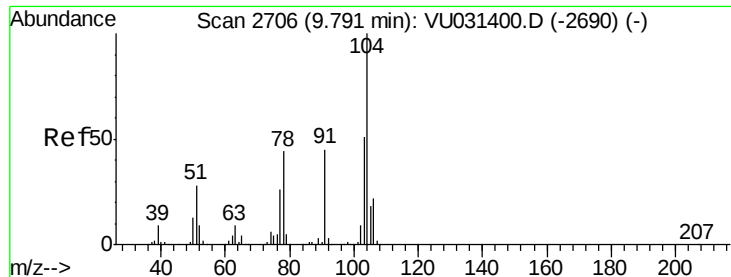
91 216.4 152.4 283.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

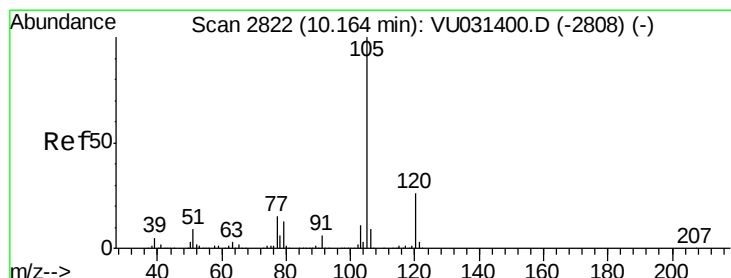
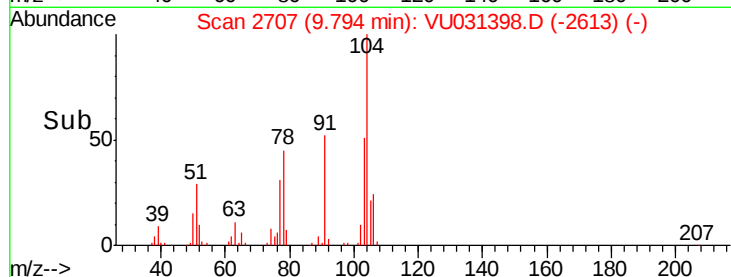
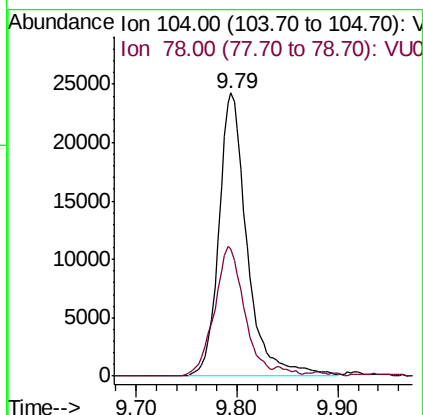
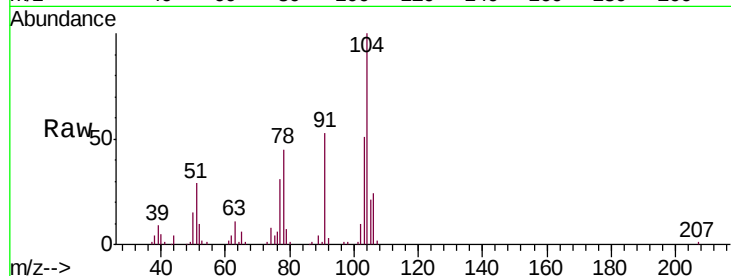




#55
Styrene
Concen: 3.392 ug/L
RT: 9.79 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VU031398.D
Acq: 22 Apr 2019 17:27

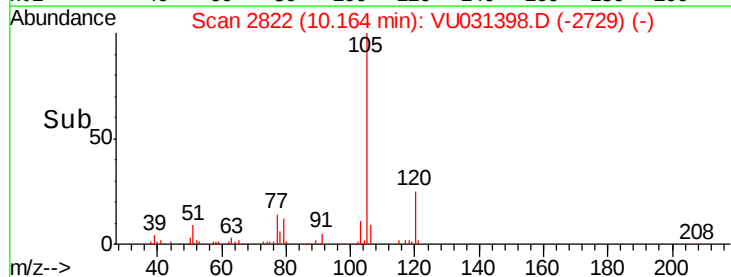
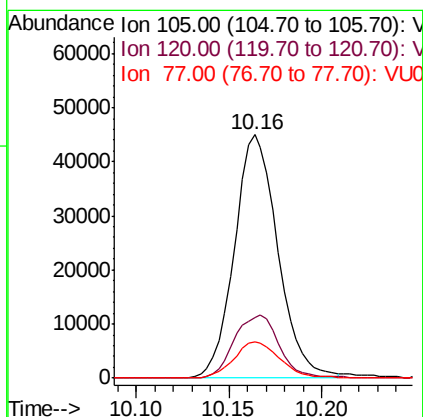
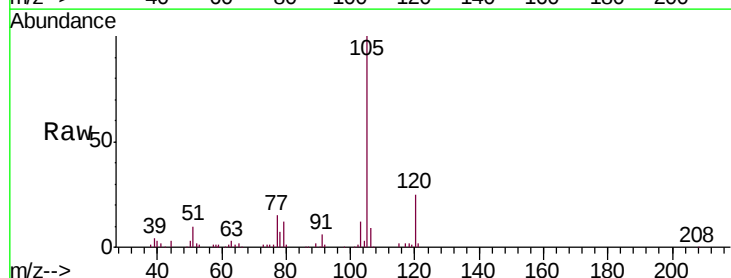
Instrument :
MSVOA_U
ClientSampled :
VSTD00548

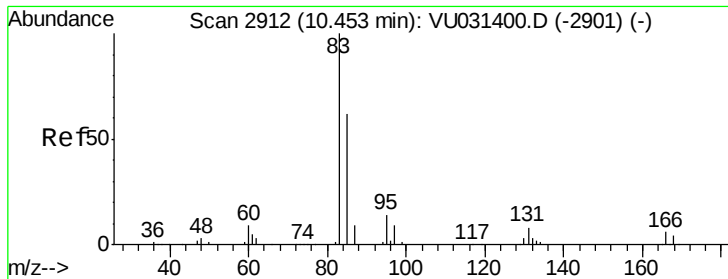
Tgt Ion:104 Resp: 47433
Ion Ratio Lower Upper
104 100
78 44.9 31.1 57.7



#56
Isopropylbenzene
Concen: 3.422 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU031398.D
Acq: 22 Apr 2019 17:27

Tgt Ion:105 Resp: 73196
Ion Ratio Lower Upper
105 100
120 26.8 20.7 31.1
77 15.9 12.2 18.2





#58

1,1,2,2-Tetrachloroethane

Concen: 3.825 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00548

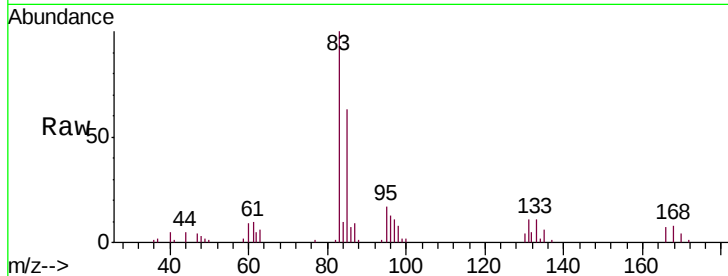
Tgt Ion: 83 Resp: 33636

Ion Ratio Lower Upper

83 100

85 62.8 44.5 82.7

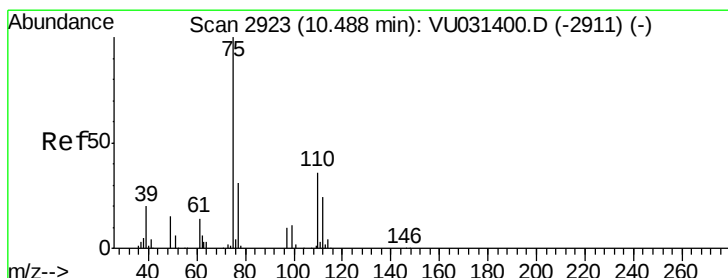
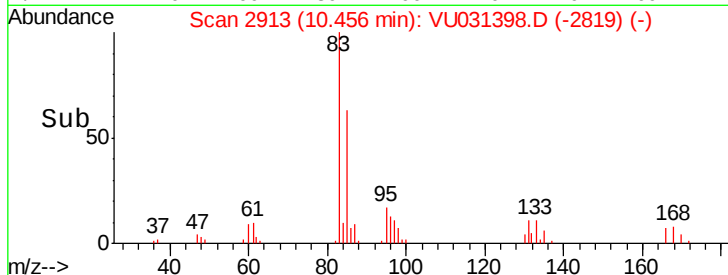
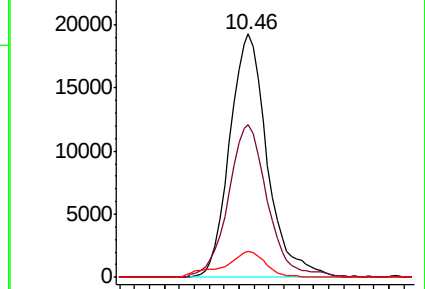
131 10.8 7.0 10.6#



Abundance Ion 83.00 (82.70 to 83.70): VU031400.D (-2901) (-)

Ion 85.00 (84.70 to 85.70): VU031400.D (-2901) (-)

Ion 131.00 (130.70 to 131.70): VU031400.D (-2901) (-)



#59

1,2,3-Trichloropropane

Concen: 3.850 ug/L

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU031398.D

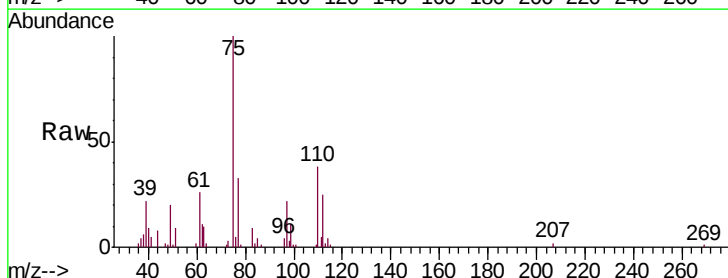
Acq: 22 Apr 2019 17:27

Tgt Ion: 75 Resp: 26067

Ion Ratio Lower Upper

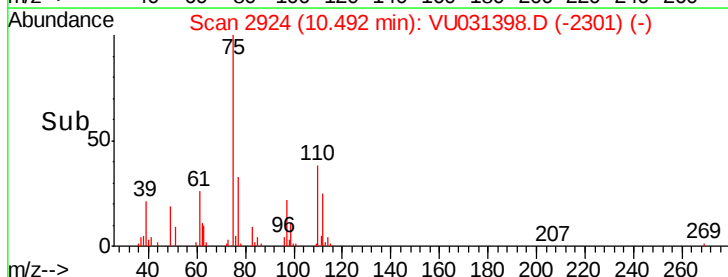
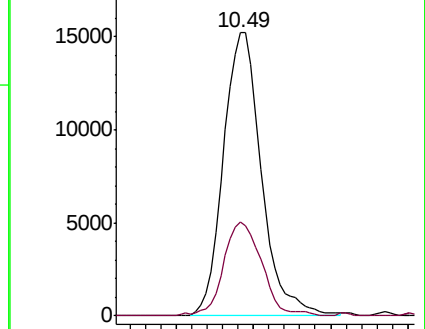
75 100

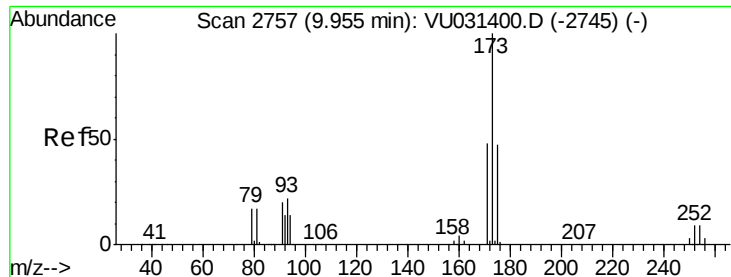
77 31.4 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU031400.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU031400.D (-2911) (-)





#61

Bromoform

Concen: 3.744 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00548

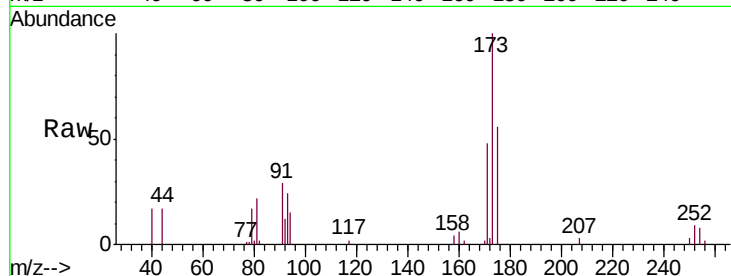
Tgt Ion:173 Resp: 14314

Ion Ratio Lower Upper

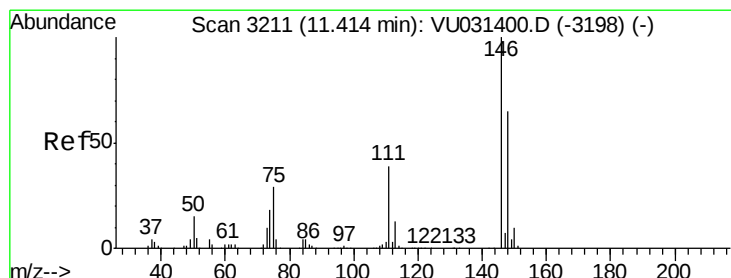
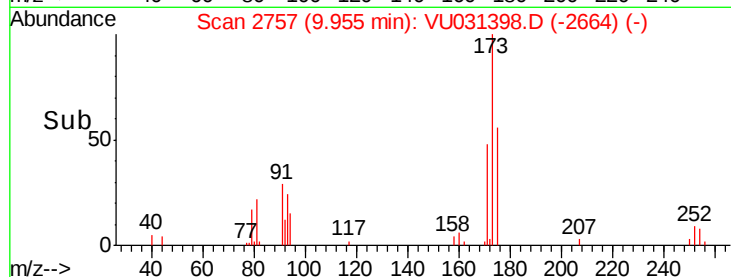
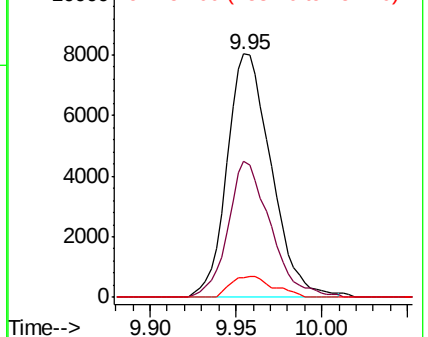
173 100

175 53.6 38.6 57.8

254 6.7 7.7 11.5#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 3.770 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

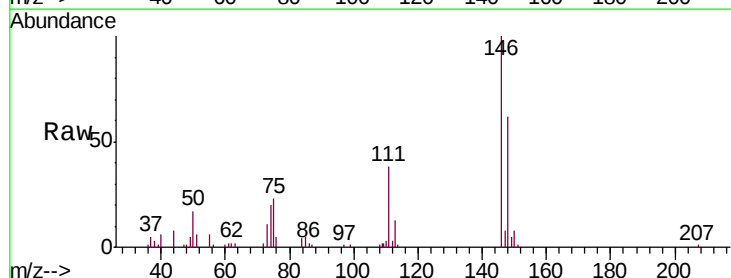
Tgt Ion:146 Resp: 34669

Ion Ratio Lower Upper

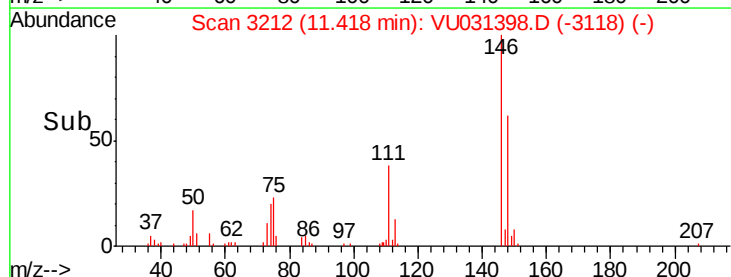
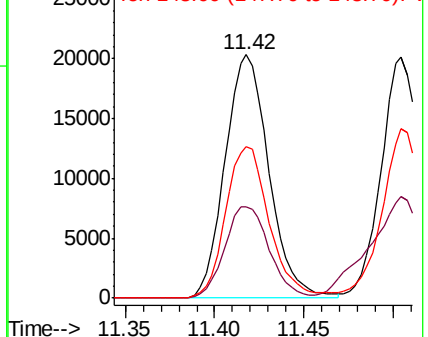
146 100

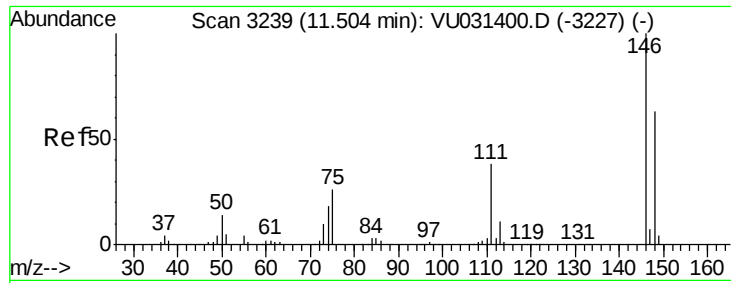
111 37.7 27.4 50.8

148 62.4 45.4 84.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

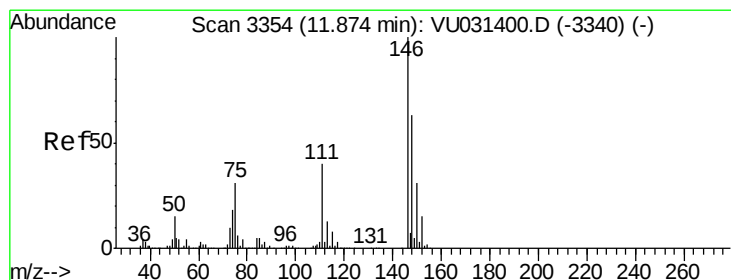
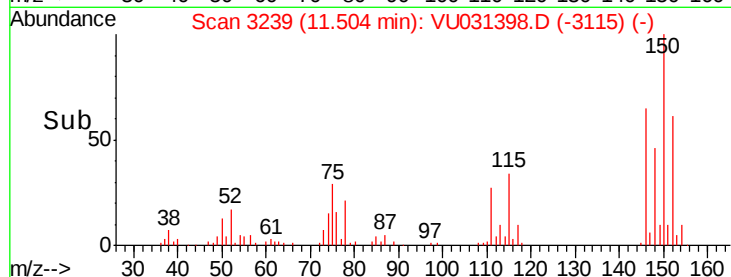
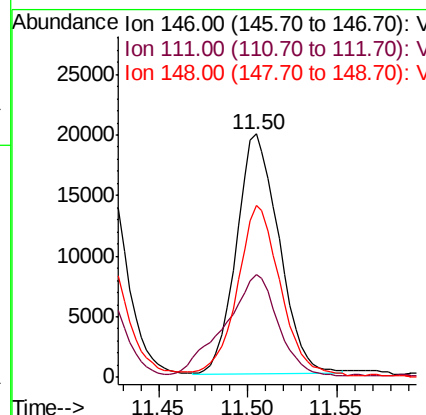
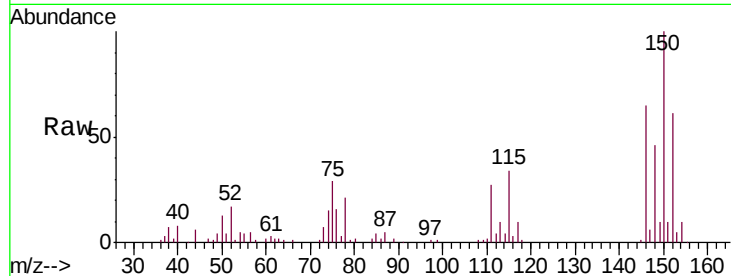




#63
 1,4-Dichlorobenzene
 Concen: 3.583 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU031398.D
 Acq: 22 Apr 2019 17:27

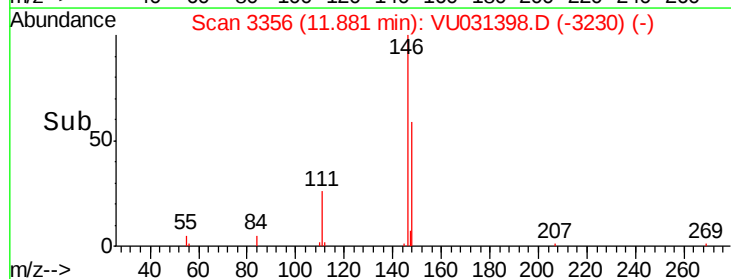
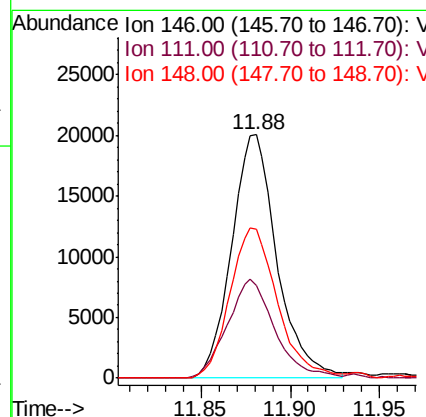
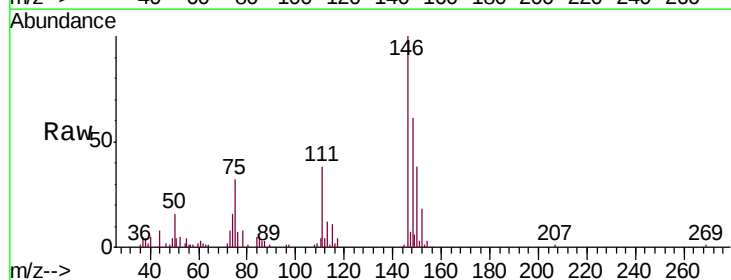
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00548

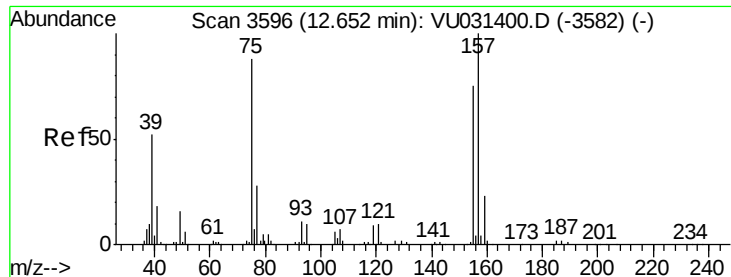
Tgt Ion:146 Resp: 32922
 Ion Ratio Lower Upper
 146 100
 111 42.2 26.6 49.4
 148 70.6 44.4 82.5



#65
 1,2-Dichlorobenzene
 Concen: 3.686 ug/L
 RT: 11.88 min Scan# 3356
 Delta R.T. 0.01 min
 Lab File: VU031398.D
 Acq: 22 Apr 2019 17:27

Tgt Ion:146 Resp: 35537
 Ion Ratio Lower Upper
 146 100
 111 38.1 32.4 48.6
 148 60.9 50.7 76.1





#66

1,2-Dibromo-3-chloropropane

Concen: 3.452 ug/L

RT: 12.66 min Scan# 3598

Delta R.T. 0.01 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00548

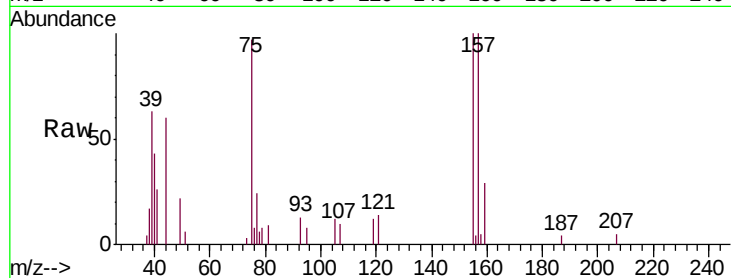
Tgt Ion: 75 Resp: 6371

Ion Ratio Lower Upper

75 100

155 102.9 68.8 103.2

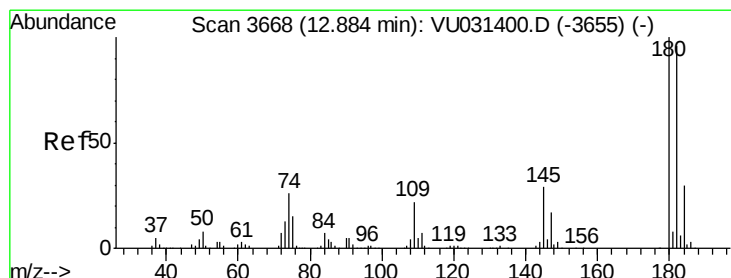
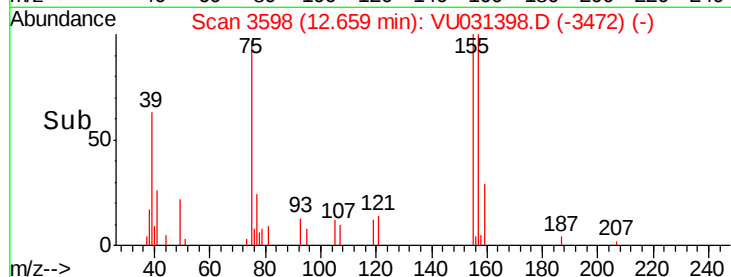
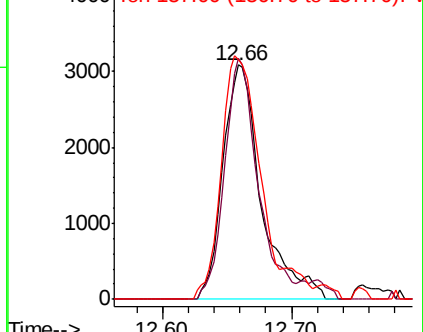
157 102.7 91.4 137.2



Abundance Ion 75.00 (74.70 to 75.70): VU031400.D (-3582) (-)

Ion 155.00 (154.70 to 155.70): VU031400.D (-3582) (-)

Ion 157.00 (156.70 to 157.70): VU031400.D (-3582) (-)



#67

1,3,5-Trichlorobenzene

Concen: 3.291 ug/L

RT: 12.89 min Scan# 3669

Delta R.T. 0.00 min

Lab File: VU031398.D

Acq: 22 Apr 2019 17:27

Tgt Ion: 180 Resp: 22608

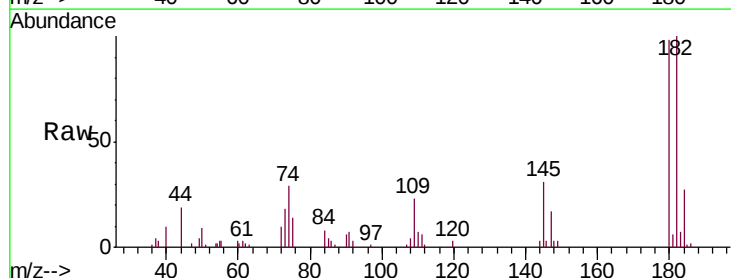
Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

184 28.5 23.7 35.5

145 26.7 22.9 34.3

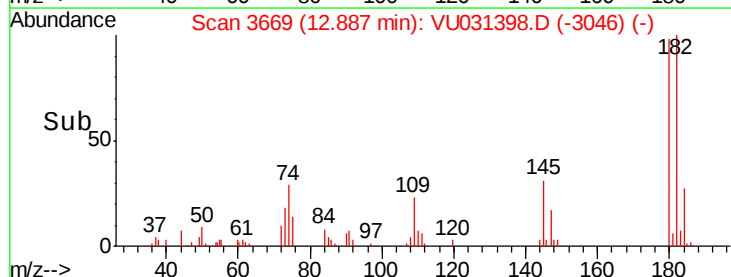
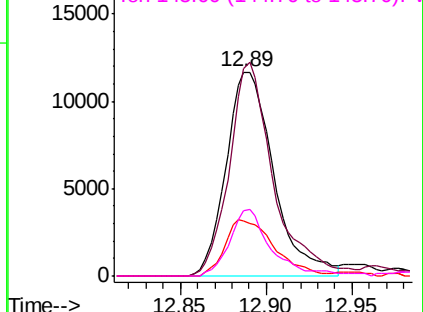


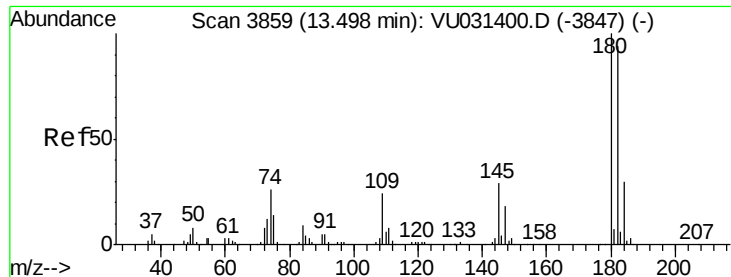
Abundance Ion 180.00 (179.70 to 180.70): VU031400.D (-3655) (-)

Ion 182.00 (181.70 to 182.70): VU031400.D (-3655) (-)

Ion 184.00 (183.70 to 184.70): VU031400.D (-3655) (-)

Ion 145.00 (144.70 to 145.70): VU031400.D (-3655) (-)

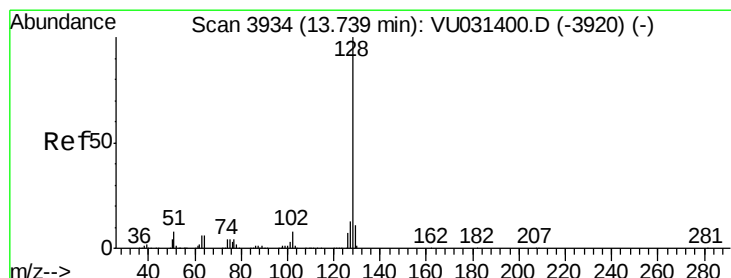
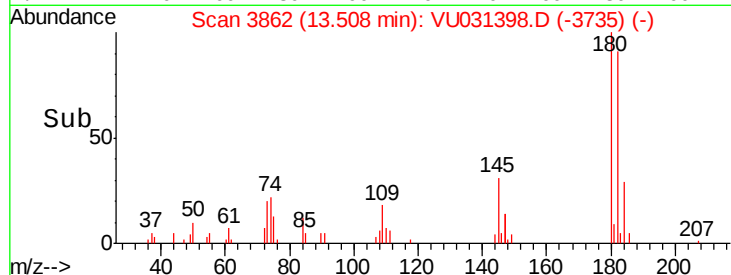
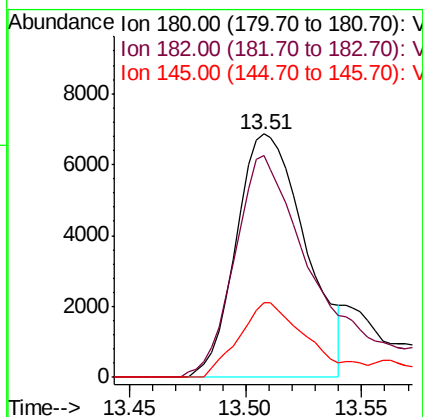
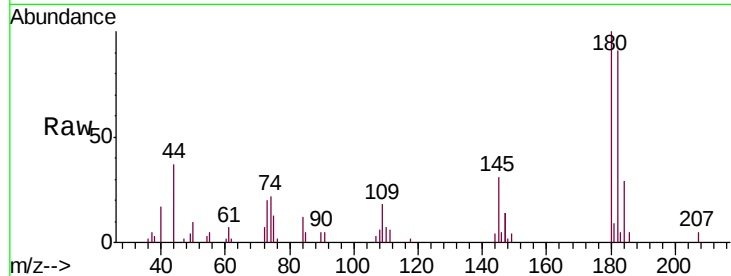




#68
 1,2,4-trichlorobenzene
 Concen: 2.570 ug/L
 RT: 13.51 min Scan# 3862
 Delta R.T. 0.01 min
 Lab File: VU031398.D
 Acq: 22 Apr 2019 17:27

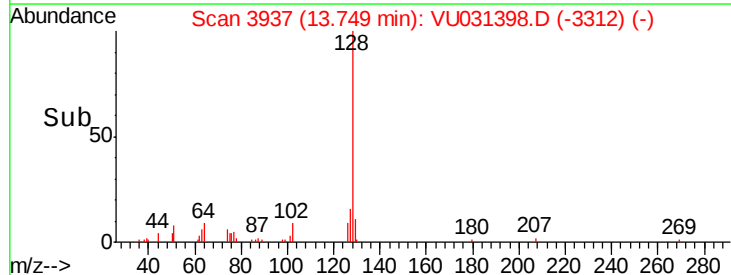
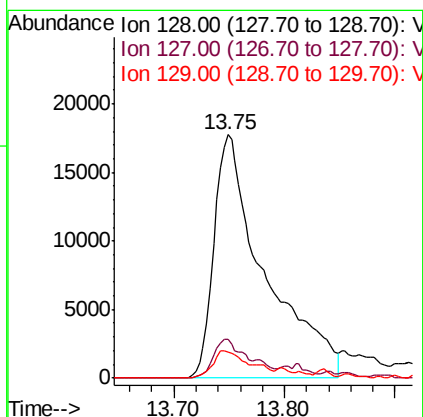
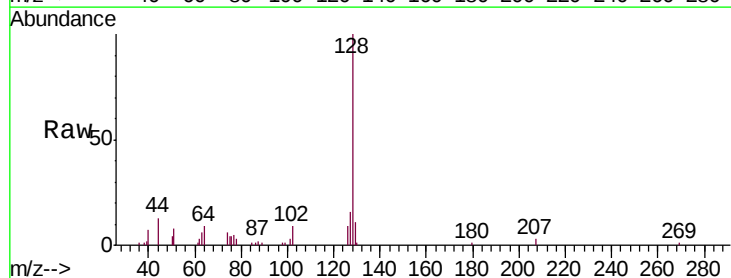
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00548

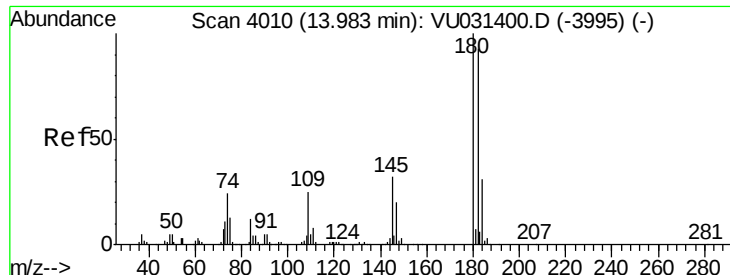
Tgt Ion:180 Resp: 14233
 Ion Ratio Lower Upper
 180 100
 182 104.4 77.5 116.3
 145 28.8 23.3 34.9



#69
 Naphthalene
 Concen: 3.209 ug/L
 RT: 13.75 min Scan# 3937
 Delta R.T. 0.01 min
 Lab File: VU031398.D
 Acq: 22 Apr 2019 17:27

Tgt Ion:128 Resp: 56481
 Ion Ratio Lower Upper
 128 100
 127 7.1 10.2 15.4#
 129 7.0 8.6 13.0#





#70
 1,2,3-Trichlorobenzene
 Concen: 2.866 ug/L
 RT: 13.99 min Scan# 4013
 Delta R.T. 0.01 min
 Lab File: VU031398.D
 Acq: 22 Apr 2019 17:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00548

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	75.8	113.8
145	26.2	25.2	37.8

