

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041919\
 Data File : VU031301.D
 Acq On : 18 Apr 2019 12:11
 Operator : JC/SP
 Sample : VSTD02007
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02007

Quant Time: Apr 19 04:04:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 19 03:57:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	198867	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	191375	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	97696	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	499275	22.27	ug/L	0.00
7) Chloroethane-d5	1.68	69	392338	21.98	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	967827	22.01	ug/L	0.00
20) 2-Butanone-d5	4.21	46	1001977	233.45	ug/L	0.00
24) Chloroform-d	4.64	84	620998	22.19	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	327933	21.66	ug/L	0.00
32) Benzene-d6	5.33	84	1217812	22.83	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	381972	22.80	ug/L	0.00
41) Toluene-d8	7.56	98	1120164	23.49	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	165194	24.62	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	793956	255.81	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	320338	22.79	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	407883	21.42	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	494059	21.598 ug/L	96
3) Chloromethane	1.32	50	603571	19.498 ug/L	100
5) Vinyl chloride	1.40	62	664546	21.072 ug/L	99
6) Bromomethane	1.63	94	371493	21.256 ug/L	99
8) Chloroethane	1.70	64	374575	20.826 ug/L	98
9) Trichlorofluoromethane	1.88	101	812536	20.485 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	448555	20.930 ug/L	98
12) 1,1-Dichloroethene	2.28	96	434253	20.345 ug/L	98
13) Acetone	2.35	43	946860	198.567 ug/L	99
14) Carbon disulfide	2.47	76	1487183	20.868 ug/L	99
15) Methyl Acetate	2.62	43	255061	19.569 ug/L	99
16) Methylene chloride	2.70	84	475419	18.343 ug/L	99
17) Methyl tert-butyl Ether	3.00	73	1209126	21.144 ug/L	100
18) trans-1,2-Dichloroethene	2.97	96	459608	20.412 ug/L	97
19) 1,1-Dichloroethane	3.44	63	622302	19.805 ug/L	99
21) 2-Butanone	4.29	43	1049383	213.027 ug/L	95
22) cis-1,2-Dichloroethene	4.22	96	365668	21.004 ug/L	86
23) Bromochloromethane	4.54	128	163210	21.036 ug/L	96
25) Chloroform	4.67	83	628968	20.318 ug/L	98
27) 1,2-Dichloroethane	5.40	62	417820	20.933 ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	550940	21.320 ug/L	99
30) Cyclohexane	4.99	56	589878	22.407 ug/L	97
31) Carbon tetrachloride	5.13	117	488251	21.156 ug/L	97
33) Benzene	5.38	78	1368698	21.071 ug/L	100
34) Trichloroethene	6.18	95	356073	20.280 ug/L	98
35) Methylcyclohexane	6.41	83	551160	22.793 ug/L	96
37) 1,2-Dichloropropane	6.43	63	355059	20.735 ug/L	99
38) Bromodichloromethane	6.75	83	458208	21.446 ug/L	93
39) cis-1,3-Dichloropropene	7.26	75	538003	23.757 ug/L	95
40) 4-Methyl-2-pentanone	7.46	43	2415920	219.711 ug/L	98

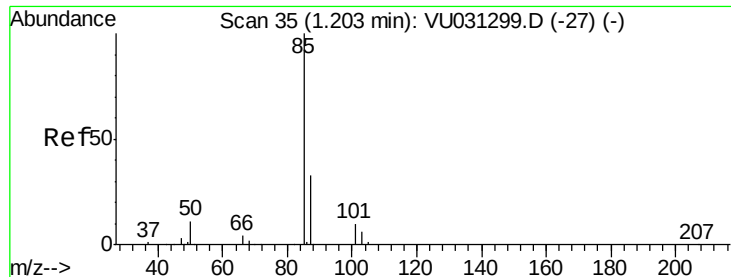
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041919\
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Quant Time: Apr 19 04:04:30 2019
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 19 03:57:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	1474791	22.518	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	435540	23.046	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	255486	20.941	ug/L	95
47) Tetrachloroethene	8.22	164	278643	21.298	ug/L	95
48) 2-Hexanone	8.37	43	1763538	225.978	ug/L	99
49) Dibromochloromethane	8.47	129	312574	21.412	ug/L	98
50) 1,2-Dibromoethane	8.58	107	253093	21.901	ug/L	97
51) Chlorobenzene	9.12	112	889629	21.695	ug/L	99
52) Ethylbenzene	9.25	91	1584284	23.418	ug/L	98
53) m,p-Xylene	9.37	106	598438	24.622	ug/L	98
54) o-Xylene	9.77	106	572002	23.881	ug/L	99
55) Styrene	9.79	104	1008628	25.353	ug/L	97
56) Isopropylbenzene	10.16	105	1532048	24.364	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	328897	21.088	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	230911	20.663	ug/L	96
61) Bromoform	9.95	173	183791	19.569	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	673993	20.978	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	684764	21.152	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	670598	20.505	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	52852	19.856	ug/L	92
67) 1,3,5-Trichlorobenzene	12.88	180	552979	20.953	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	466338	24.503	ug/L	99
69) Naphthalene	13.74	128	893812	26.904	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	449435	22.798	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 21.598 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU031301.D

Acq: 18 Apr 2019 12:11

Instrument :

MSVOA_U

ClientSampled :

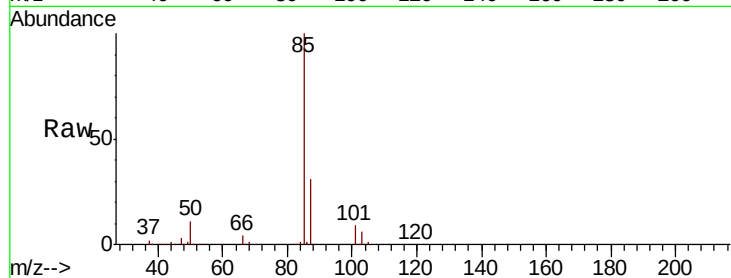
VSTD02007

Tgt Ion: 85 Resp: 494059

Ion Ratio Lower Upper

85 100

87 31.3 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VU031299.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU031299.D (-27) (-)

1.20

500000

400000

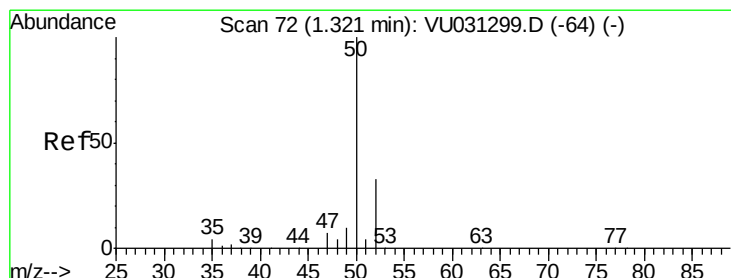
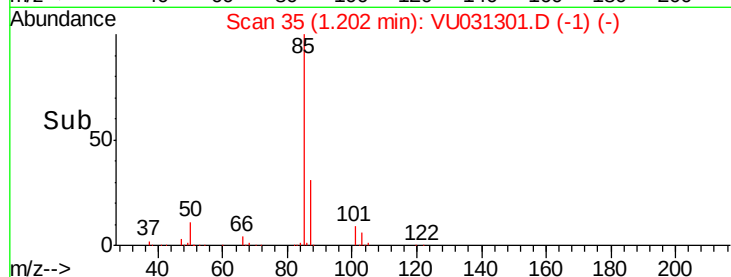
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 19.498 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU031301.D

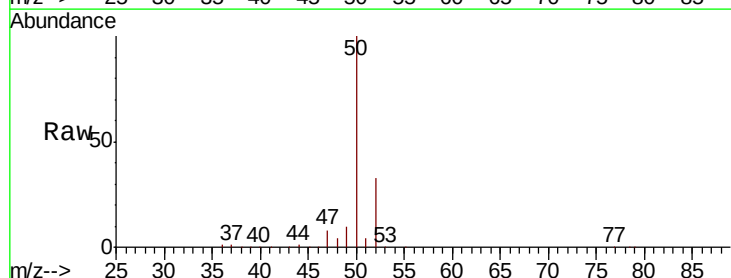
Acq: 18 Apr 2019 12:11

Tgt Ion: 50 Resp: 603571

Ion Ratio Lower Upper

50 100

52 33.4 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU031299.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU031299.D (-64) (-)

1.32

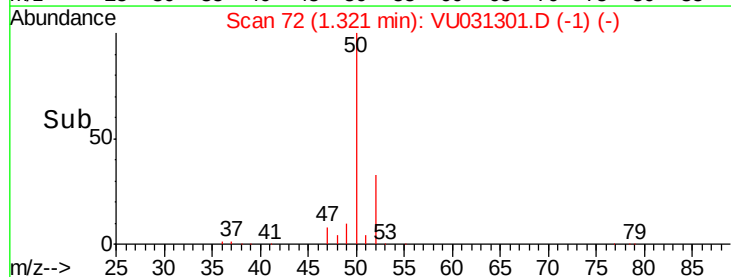
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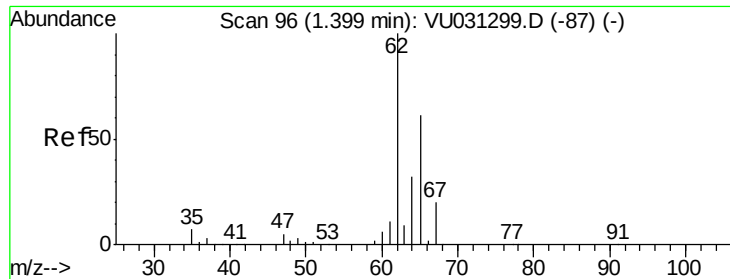
400000

200000

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Time-->





#5

Vinyl chloride

Concen: 21.072 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031301.D

Acq: 18 Apr 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

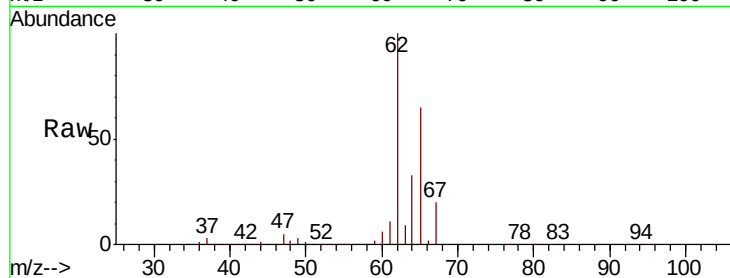
VSTD02007

Tgt Ion: 62 Resp: 664546

Ion Ratio Lower Upper

62 100

64 32.5 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU031299.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU031299.D (-87) (-)

1.40

600000

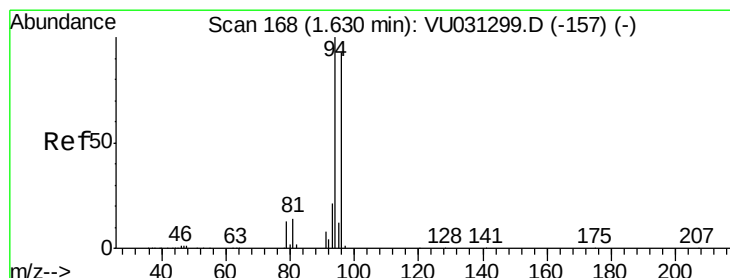
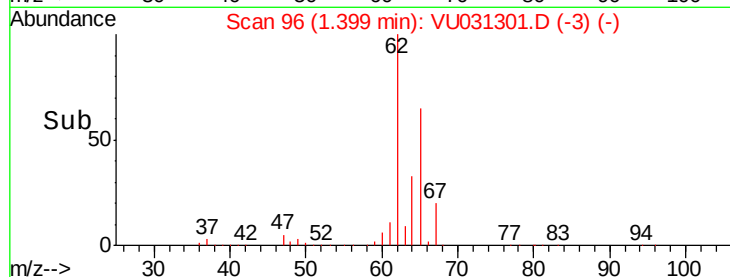
400000

200000

0

Time-->

1.35 1.40 1.45 1.50



#6

Bromomethane

Concen: 21.256 ug/L

RT: 1.63 min Scan# 168

Delta R.T. -0.00 min

Lab File: VU031301.D

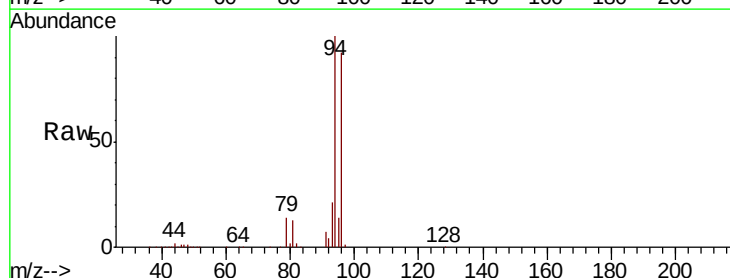
Acq: 18 Apr 2019 12:11

Tgt Ion: 94 Resp: 371493

Ion Ratio Lower Upper

94 100

96 92.0 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VU031299.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU031299.D (-157) (-)

1.63

300000

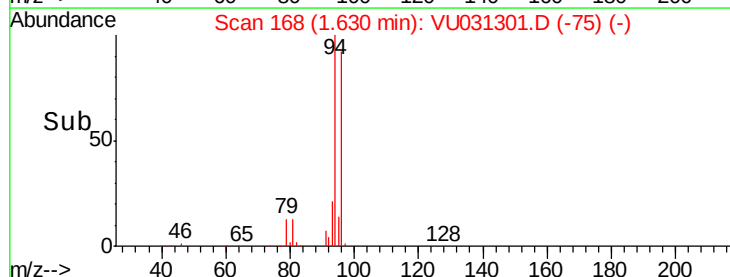
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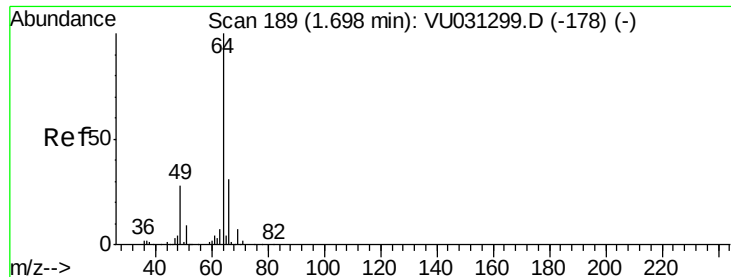
100000

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Time-->

1.55 1.60 1.65 1.70





#8

Chloroethane

Concen: 20.826 ug/L

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU031301.D

Acq: 18 Apr 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

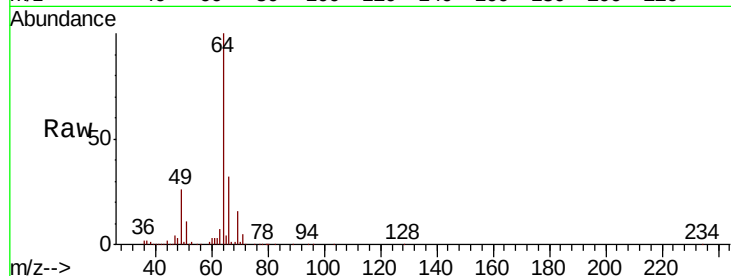
VSTD02007

Tgt Ion: 64 Resp: 374575

Ion Ratio Lower Upper

64 100

66 32.5 21.9 40.7



Abundance Ion 64.10 (63.80 to 64.80): VU031299.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU031299.D (-178) (-)

1.70

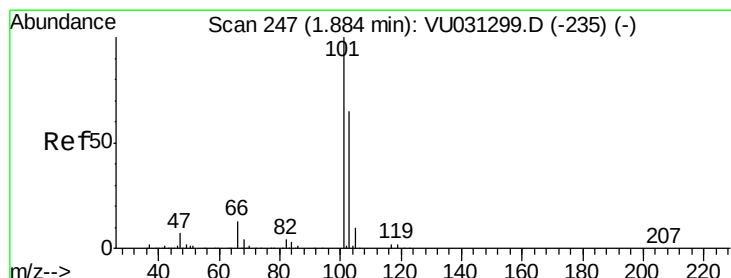
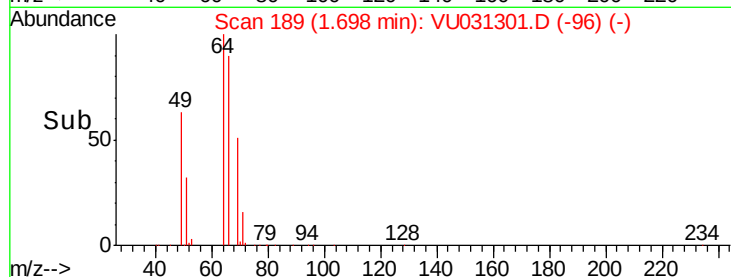
300000

200000

100000

0

Time-->



#9

Trichlorofluoromethane

Concen: 20.485 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU031301.D

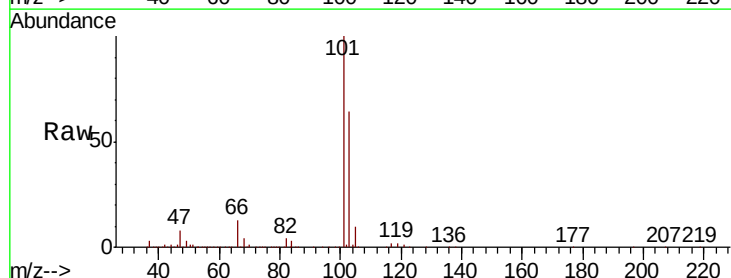
Acq: 18 Apr 2019 12:11

Tgt Ion: 101 Resp: 812536

Ion Ratio Lower Upper

101 100

103 64.6 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU031299.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU031299.D (-235) (-)

1.88

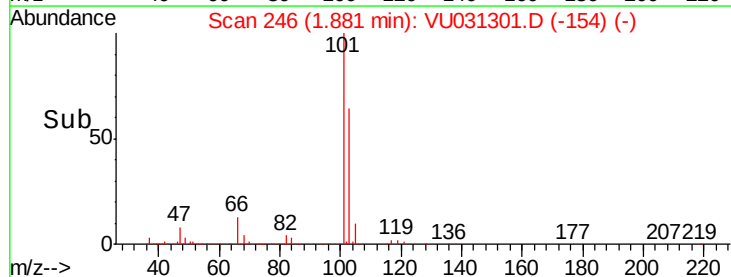
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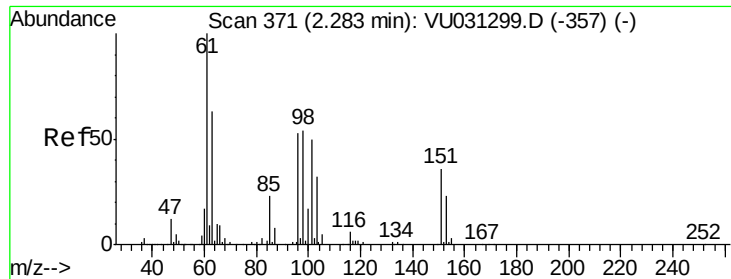
400000

200000

0

Time-->





#10

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

Concen: 20.930 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU031301.D

Acq: 18 Apr 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD02007

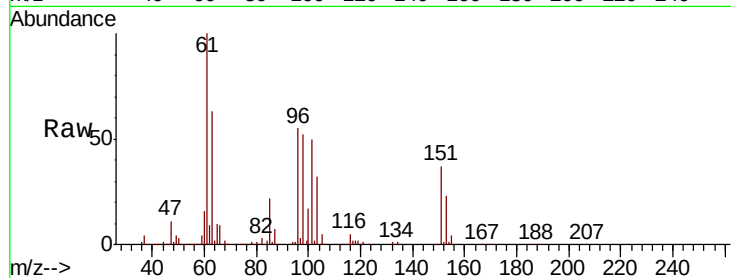
Tgt Ion: 101 Resp: 448555

Ion Ratio Lower Upper

101 100

85 44.1 37.2 55.8

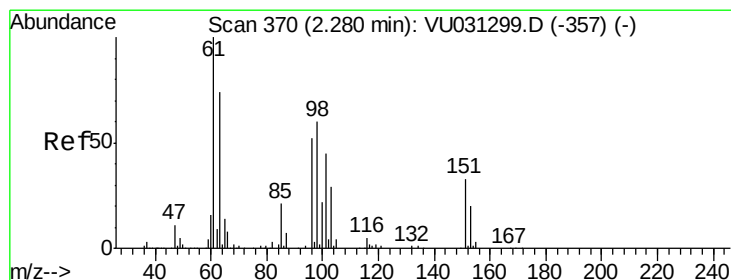
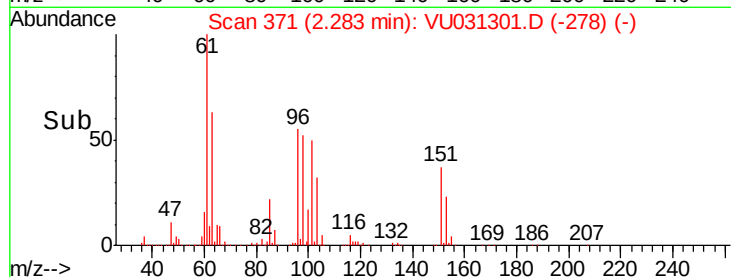
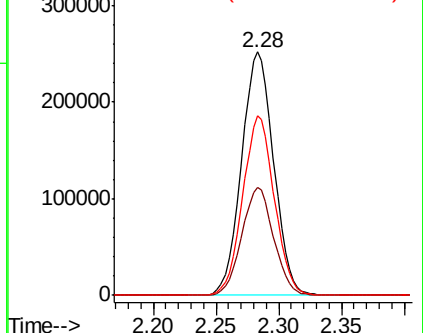
151 72.6 58.9 88.3



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: 20.345 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031301.D

Acq: 18 Apr 2019 12:11

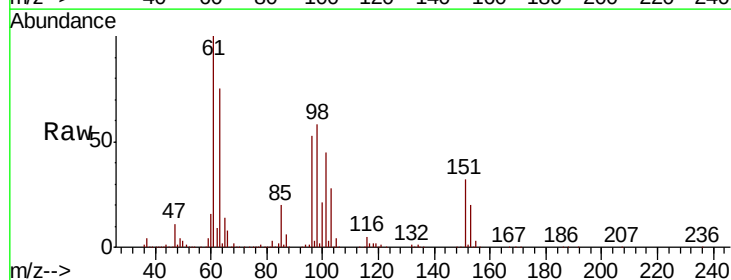
Tgt Ion: 96 Resp: 434253

Ion Ratio Lower Upper

96 100

61 189.0 133.7 248.3

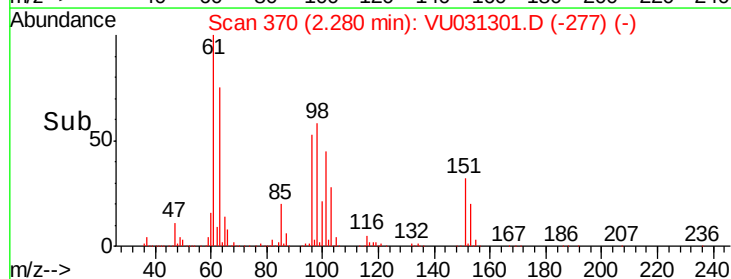
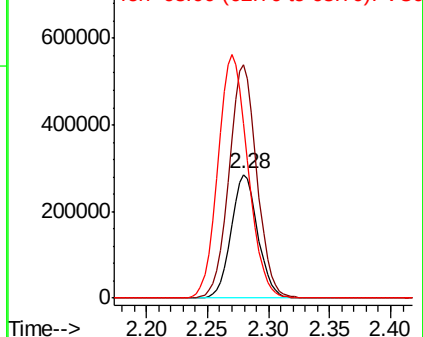
63 140.8 100.5 186.7

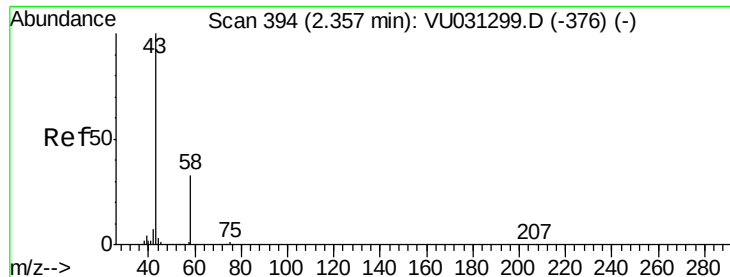


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 198.567 ug/L

RT: 2.35 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU031301.D

Acq: 18 Apr 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

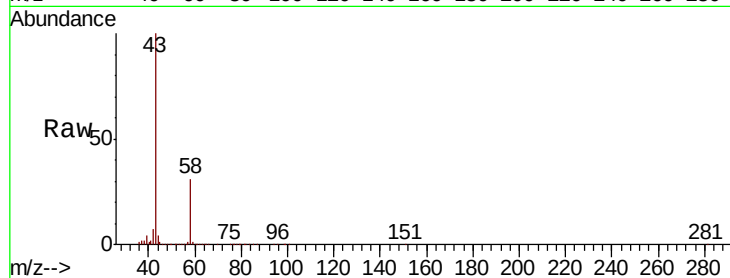
VSTD02007

Tgt Ion: 43 Resp: 946860

Ion Ratio Lower Upper

43 100

58 31.5 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU031299.D (-376) (-)

Ion 58.05 (57.75 to 58.75): VU031299.D (-376) (-)

2.35

300000

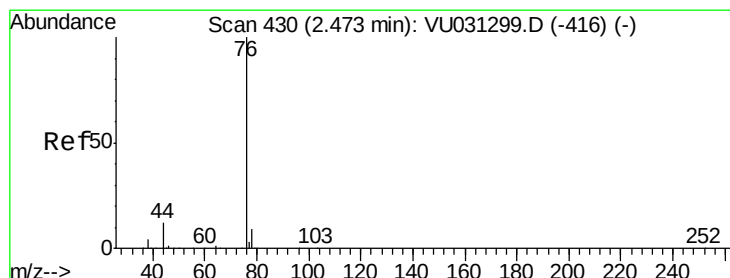
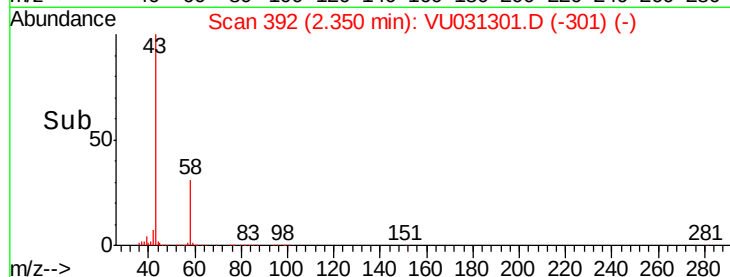
200000

100000

0

2.30 2.40 2.50

Time-->



#14

Carbon disulfide

Concen: 20.868 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU031301.D

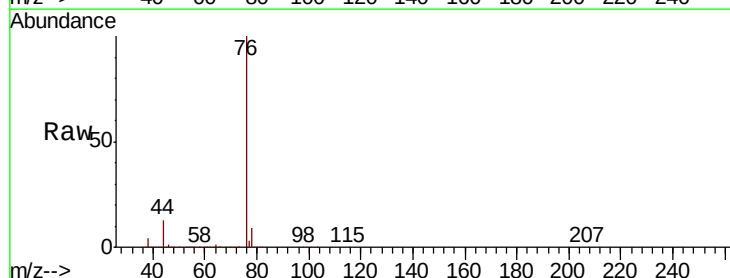
Acq: 18 Apr 2019 12:11

Tgt Ion: 76 Resp: 1487183

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU031299.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU031299.D (-416) (-)

2.47

1000000

800000

600000

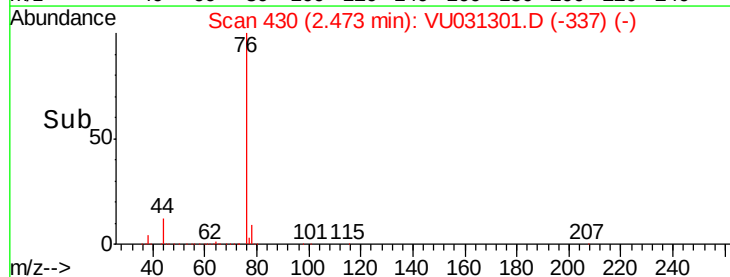
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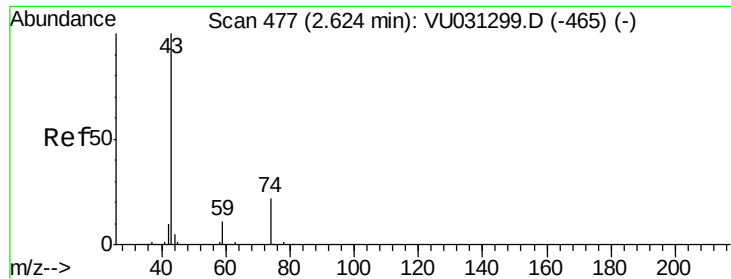
200000

0

2.40 2.50 2.60

Time-->

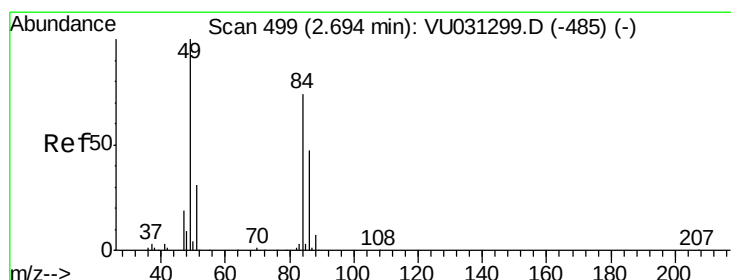
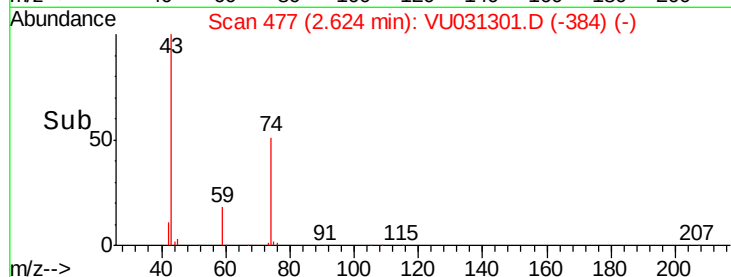
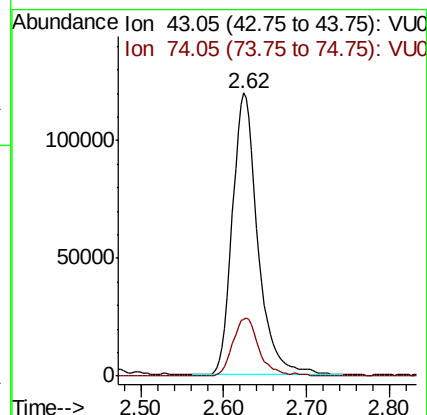
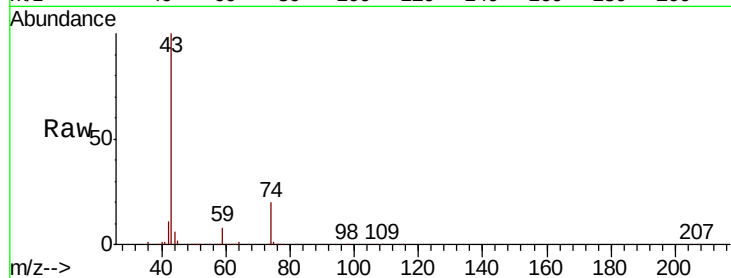




#15
Methyl Acetate
Concen: 19.569 ug/L
RT: 2.62 min Scan# 477
Delta R.T. -0.00 min
Lab File: VU031301.D
Acq: 18 Apr 2019 12:11

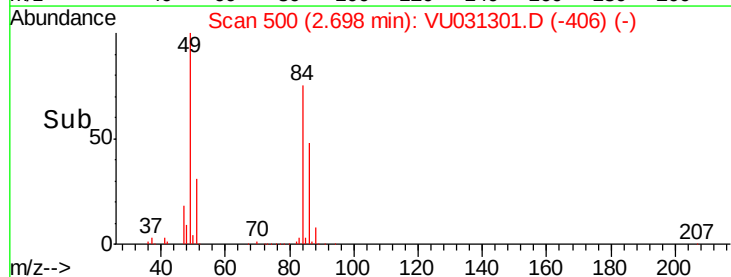
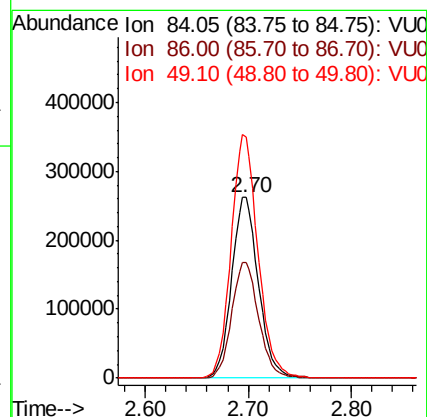
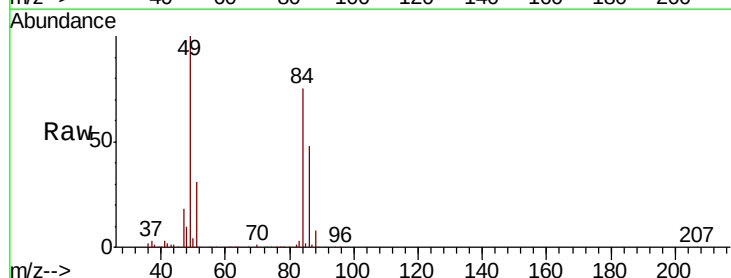
Instrument :
MSVOA_U
ClientSampled :
VSTD02007

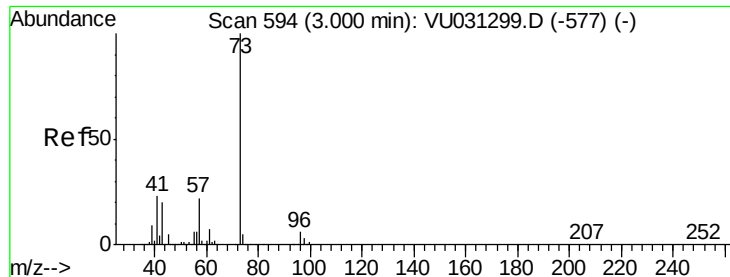
Tgt Ion: 43 Resp: 255061
Ion Ratio Lower Upper
43 100
74 21.2 16.7 25.1



#16
Methylene chloride
Concen: 18.343 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031301.D
Acq: 18 Apr 2019 12:11

Tgt Ion: 84 Resp: 475419
Ion Ratio Lower Upper
84 100
86 64.4 44.1 81.9
49 133.7 94.6 175.6



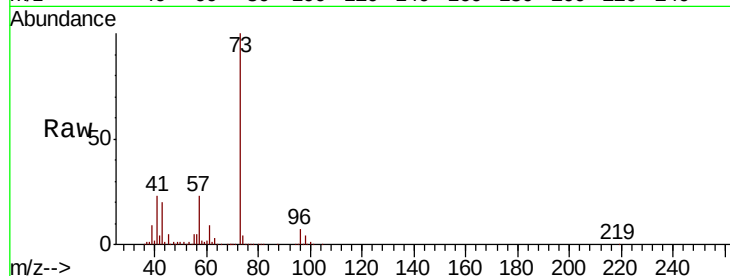


#17

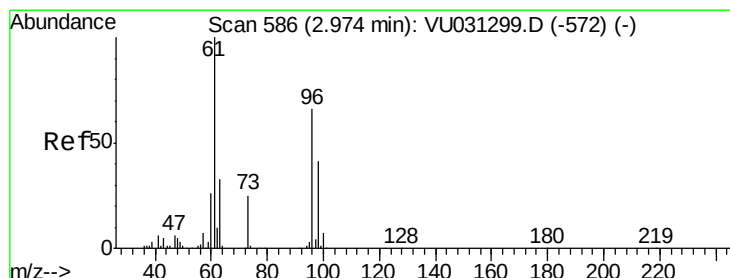
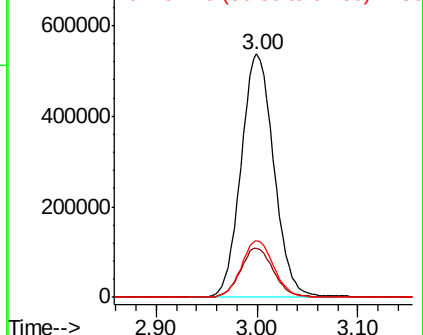
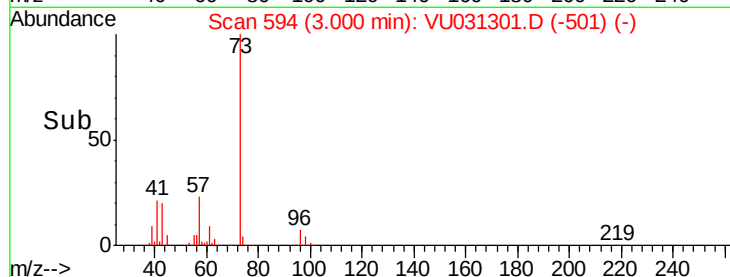
Methyl tert-butyl Ether
 Concen: 21.144 ug/L
 RT: 3.00 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VU031301.D
 Acq: 18 Apr 2019 12:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02007

Tgt Ion: 73 Resp: 1209126
 Ion Ratio Lower Upper
 73 100
 43 20.3 16.3 24.5
 57 23.2 18.8 28.2



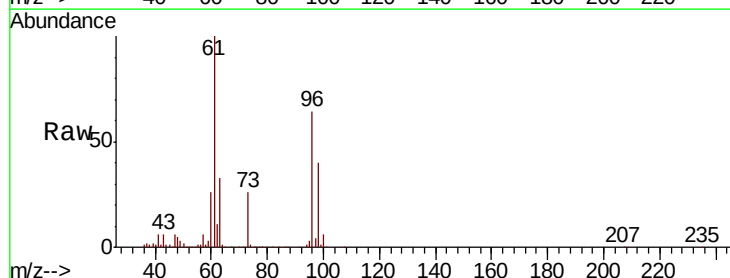
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



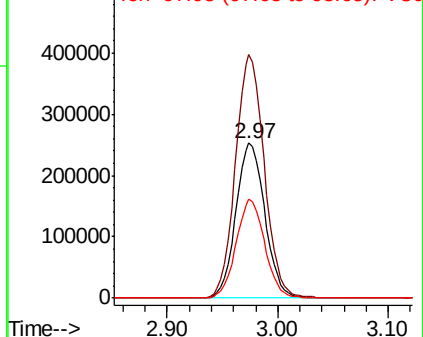
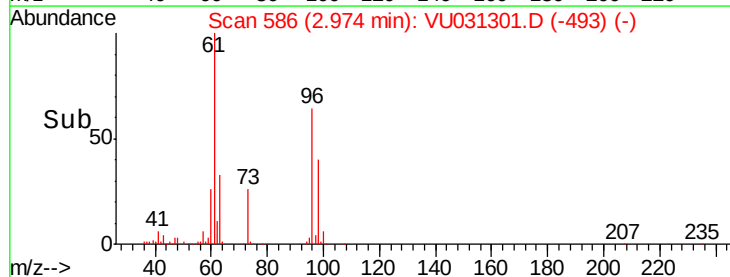
#18

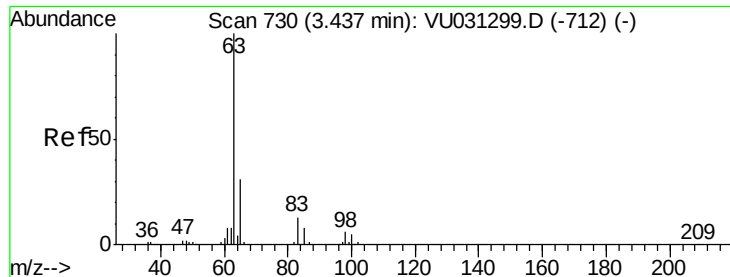
trans-1,2-Dichloroethene
 Concen: 20.412 ug/L
 RT: 2.97 min Scan# 586
 Delta R.T. -0.00 min
 Lab File: VU031301.D
 Acq: 18 Apr 2019 12:11

Tgt Ion: 96 Resp: 459608
 Ion Ratio Lower Upper
 96 100
 61 157.3 106.5 197.7
 98 63.6 43.5 80.9



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

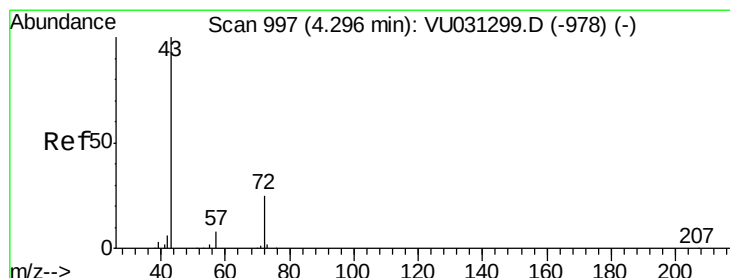
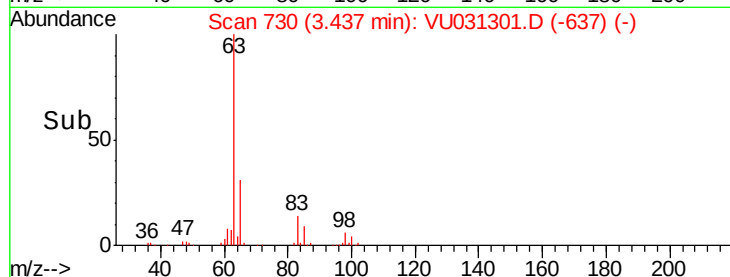
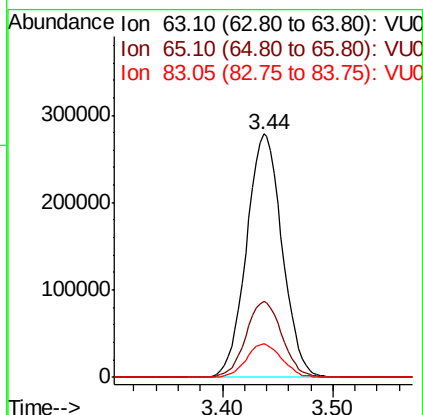
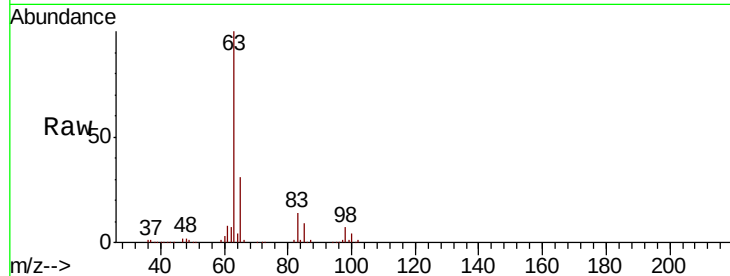




#19
 1,1-Dichloroethane
 Concen: 19.805 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU031301.D
 Acq: 18 Apr 2019 12:11

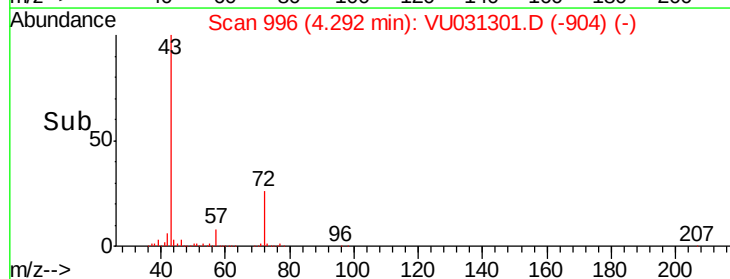
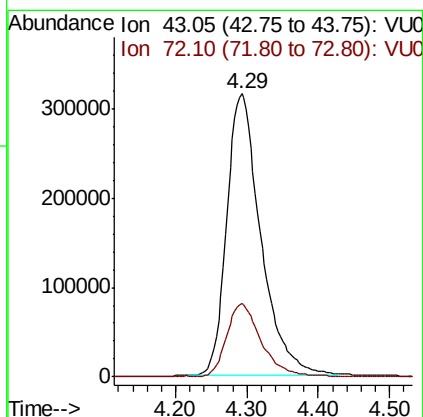
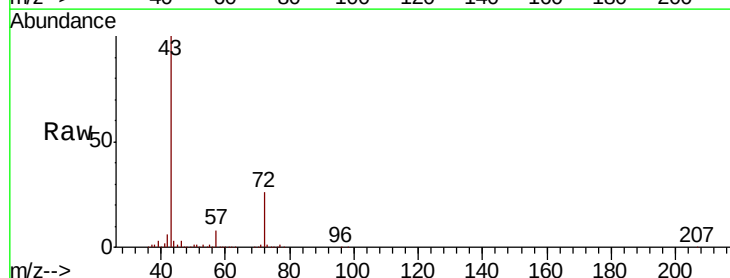
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02007

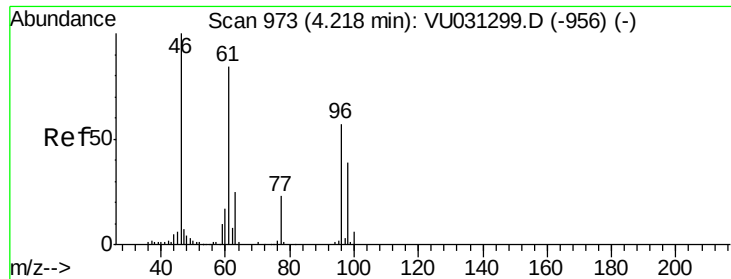
Tgt Ion: 63 Resp: 622302
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.0 41.0
 83 13.7 9.2 17.2



#21
 2-Butanone
 Concen: 213.027 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VU031301.D
 Acq: 18 Apr 2019 12:11

Tgt Ion: 43 Resp: 1049383
 Ion Ratio Lower Upper
 43 100
 72 26.1 11.8 35.4



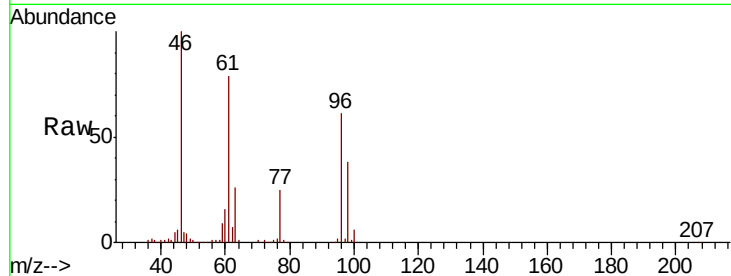


#22

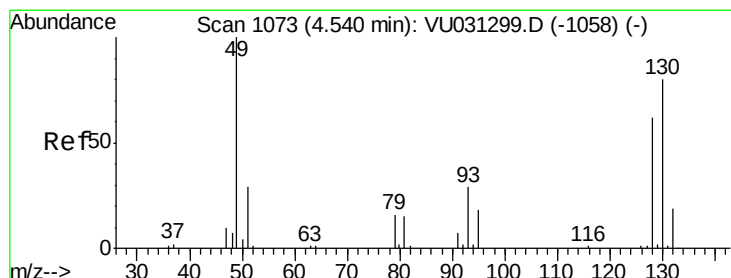
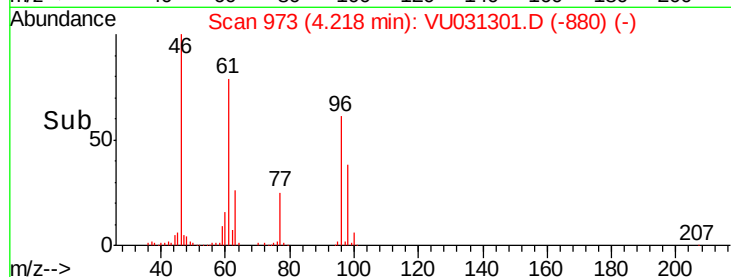
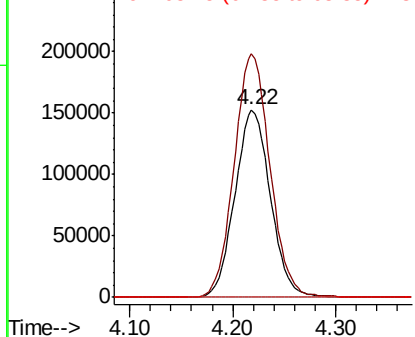
cis-1,2-Dichloroethene
 Concen: 21.004 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU031301.D
 Acq: 18 Apr 2019 12:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02007

Tgt Ion: 96 Resp: 365668
 Ion Ratio Lower Upper
 96 100
 61 129.7 103.5 192.1
 68 0.0 0.0 0.0



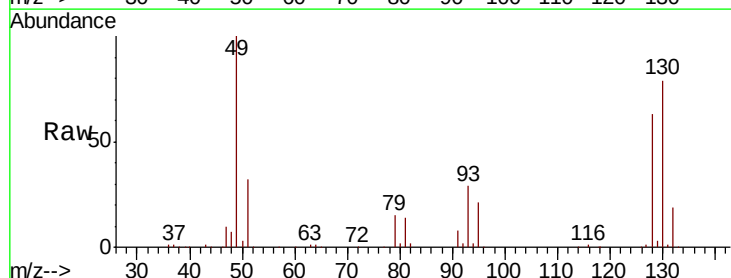
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



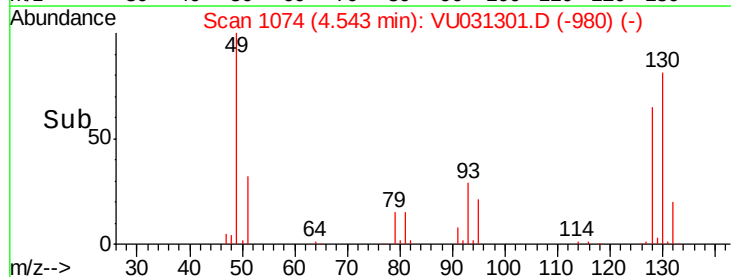
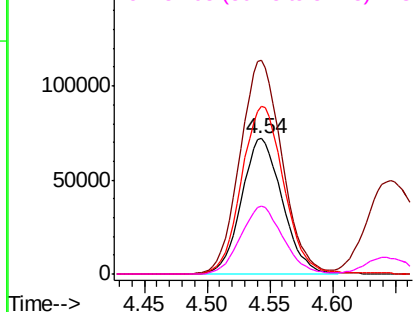
#23

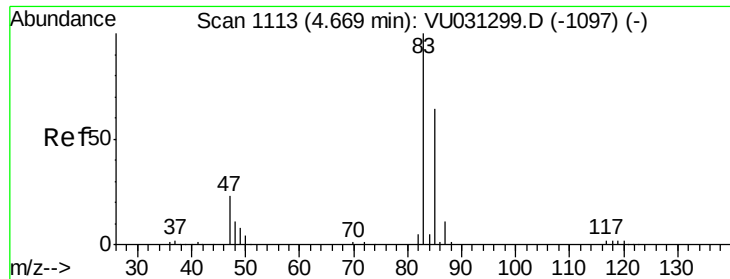
Bromochloromethane
 Concen: 21.036 ug/L
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU031301.D
 Acq: 18 Apr 2019 12:11

Tgt Ion: 128 Resp: 163210
 Ion Ratio Lower Upper
 128 100
 49 157.5 113.2 210.2
 130 123.9 90.1 167.3
 51 50.2 37.8 56.8



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

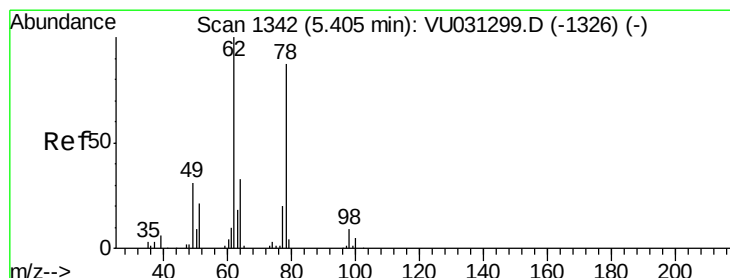
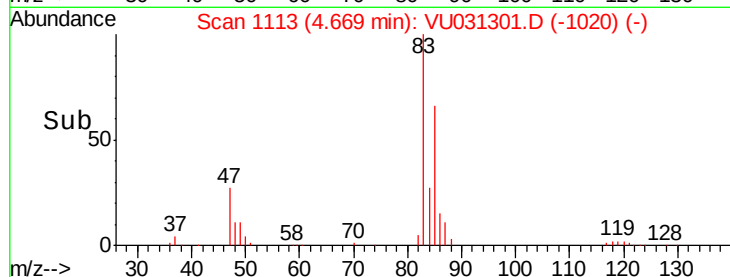
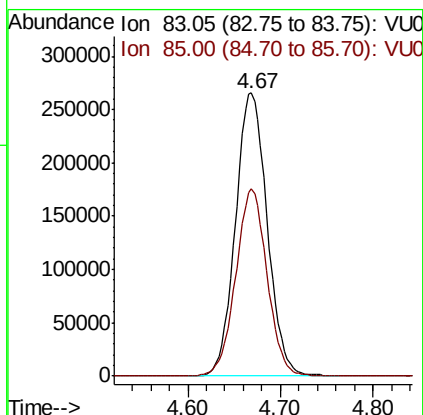
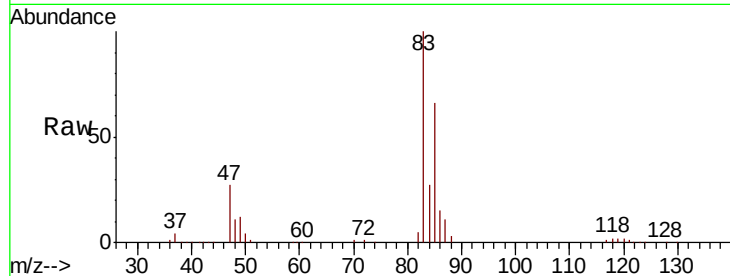




#25
Chloroform
Concen: 20.318 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU031301.D
Acq: 18 Apr 2019 12:11

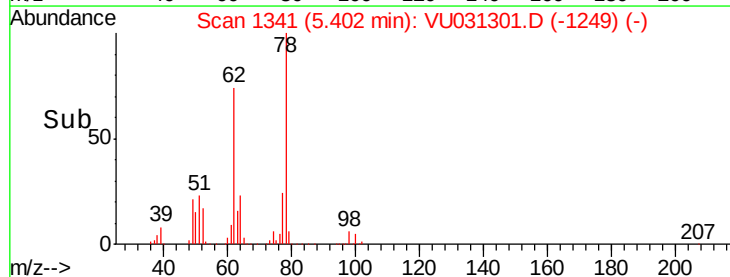
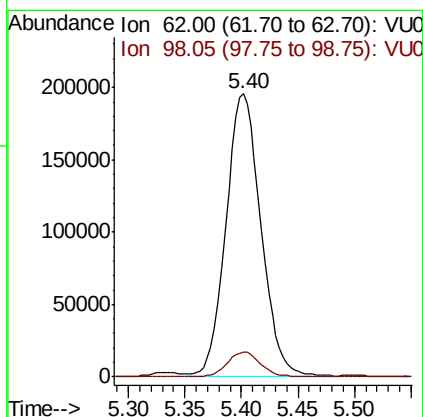
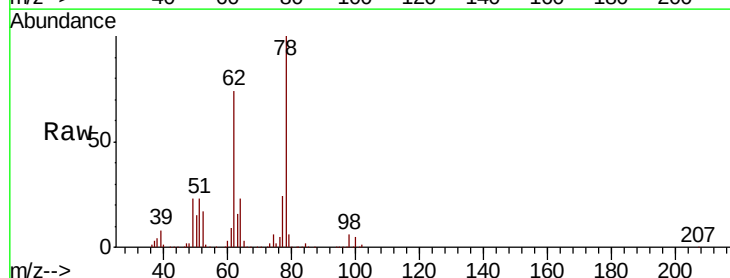
Instrument :
MSVOA_U
ClientSampleId :
VSTD02007

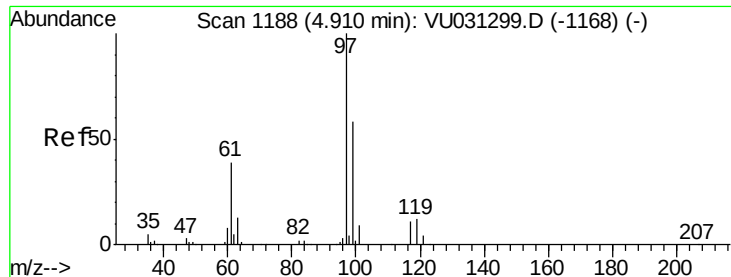
Tgt Ion: 83 Resp: 628968
Ion Ratio Lower Upper
83 100
85 66.2 45.4 84.4



#27
1,2-Dichloroethane
Concen: 20.933 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU031301.D
Acq: 18 Apr 2019 12:11

Tgt Ion: 62 Resp: 417820
Ion Ratio Lower Upper
62 100
98 8.8 7.4 11.0

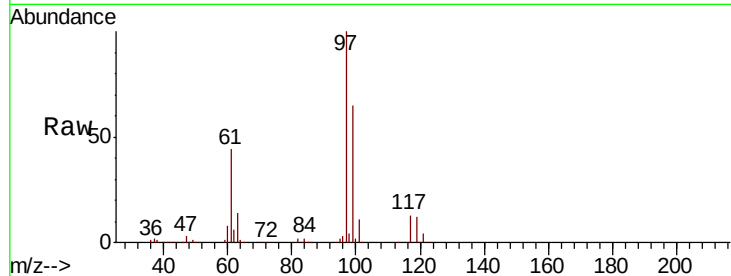




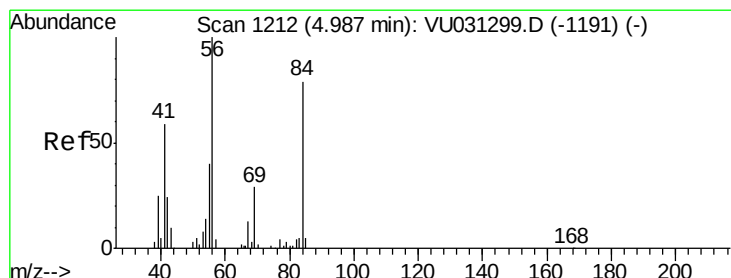
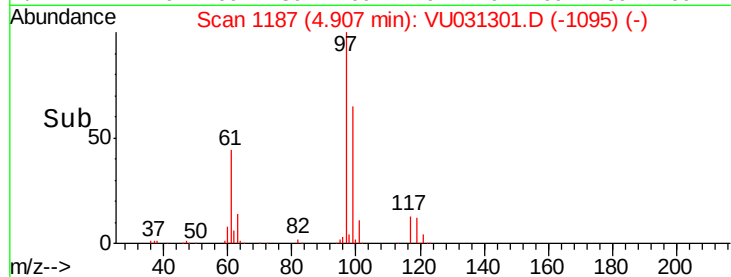
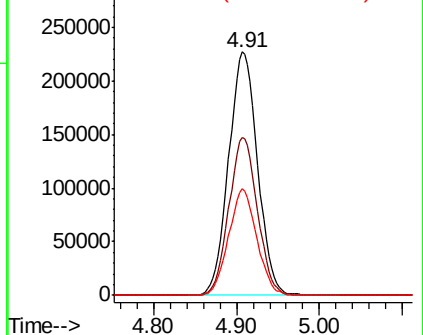
#29
 1,1,1-Trichloroethane
 Concen: 21.320 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU031301.D
 Acq: 18 Apr 2019 12:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02007

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.6	76.0
61	42.7	33.9	50.9

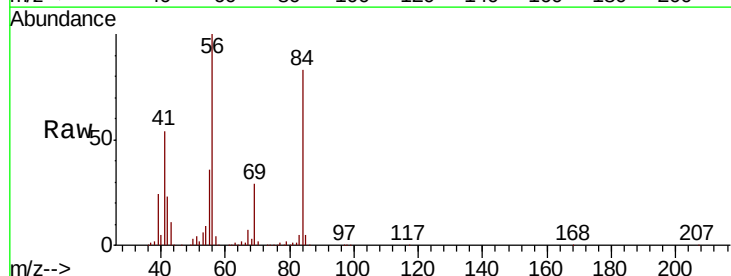


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

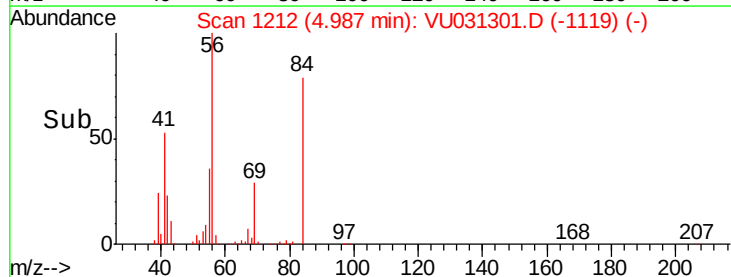
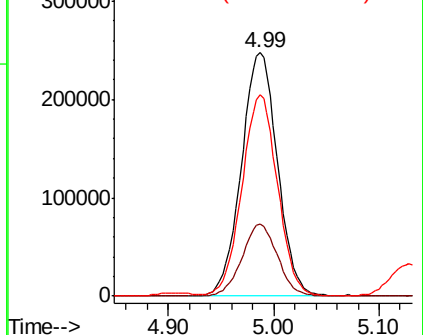


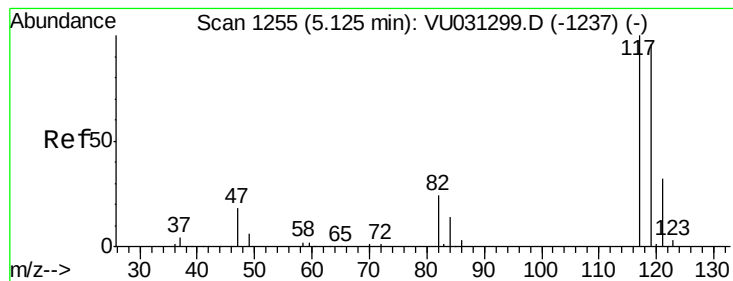
#30
 Cyclohexane
 Concen: 22.407 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: VU031301.D
 Acq: 18 Apr 2019 12:11

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.3	34.9
84	81.5	62.6	94.0



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





#31

Carbon tetrachloride

Concen: 21.156 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU031301.D

Acq: 18 Apr 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

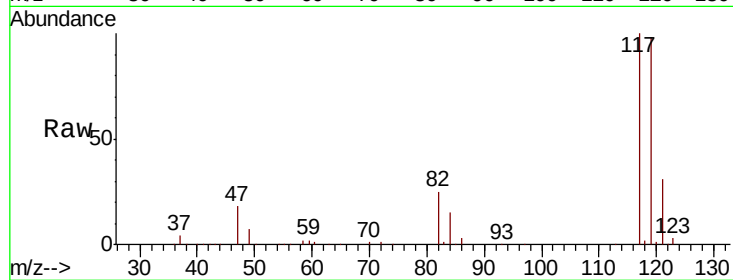
VSTD02007

Tgt Ion:117 Resp: 488251

Ion Ratio Lower Upper

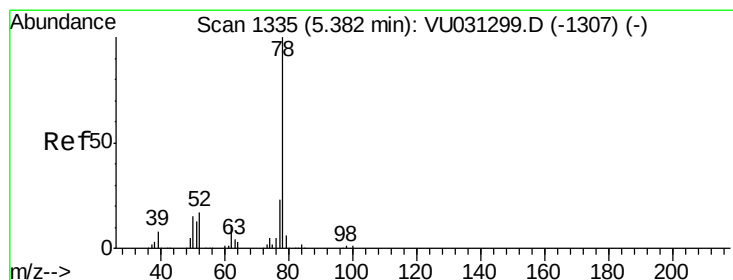
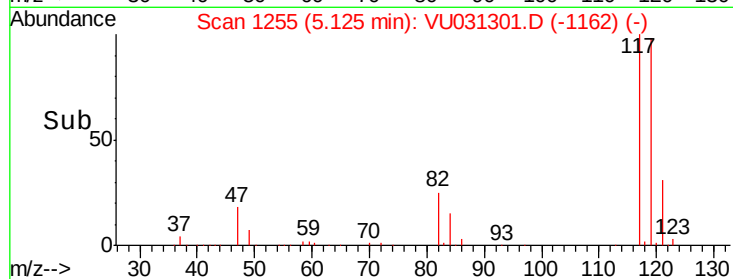
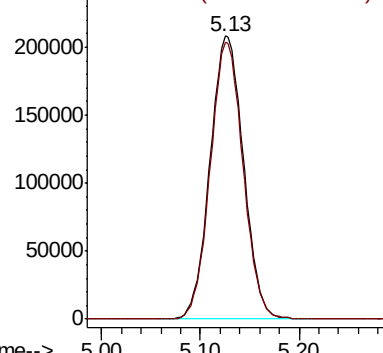
117 100

119 96.0 79.6 119.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 21.071 ug/L

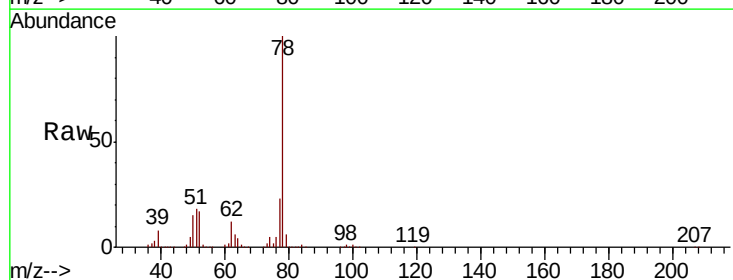
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

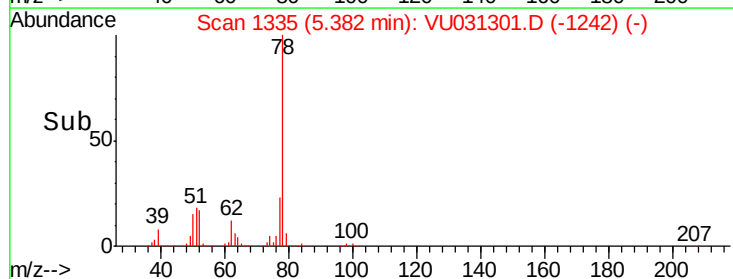
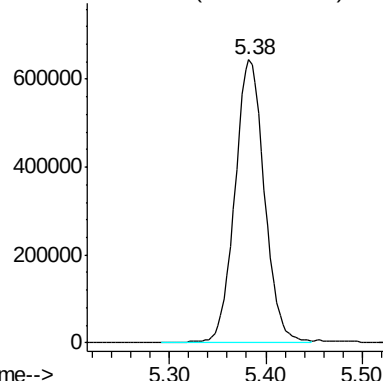
Lab File: VU031301.D

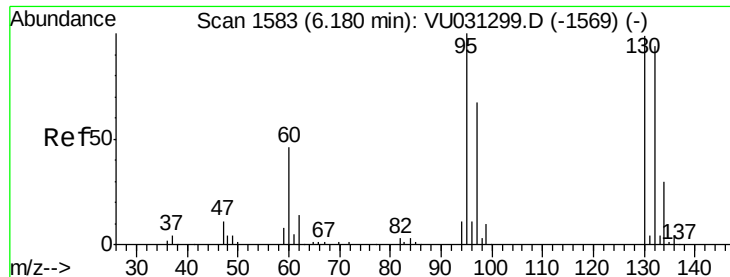
Acq: 18 Apr 2019 12:11

Tgt Ion: 78 Resp: 1368698



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 20.280 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU031301.D

Acq: 18 Apr 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD02007

Tgt Ion: 95 Resp: 356073

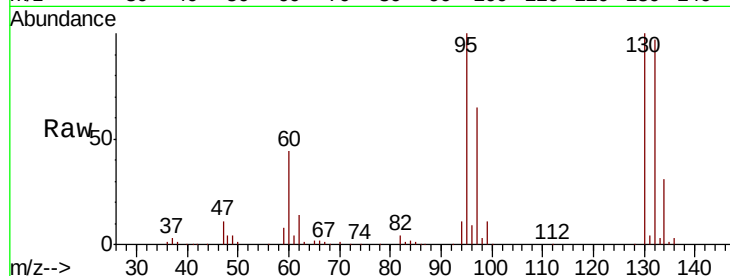
Ion Ratio Lower Upper

95 100

97 64.9 46.8 86.8

132 97.0 65.8 122.2

130 99.6 69.5 129.1

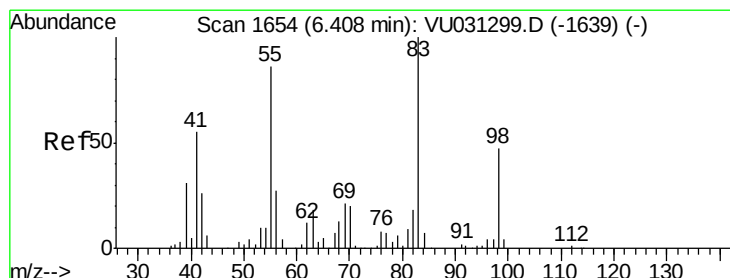
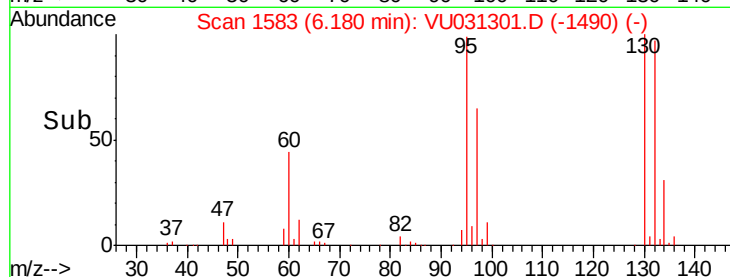
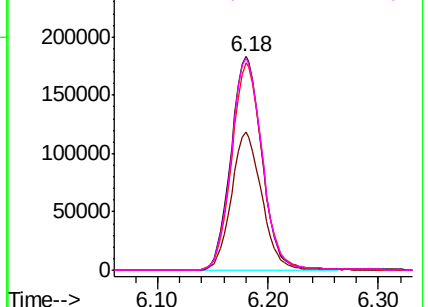


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 22.793 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU031301.D

Acq: 18 Apr 2019 12:11

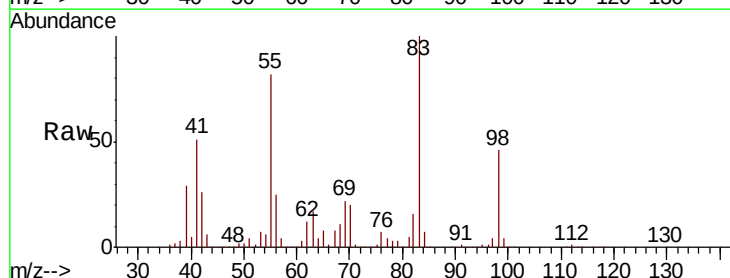
Tgt Ion: 83 Resp: 551160

Ion Ratio Lower Upper

83 100

55 82.0 70.6 105.8

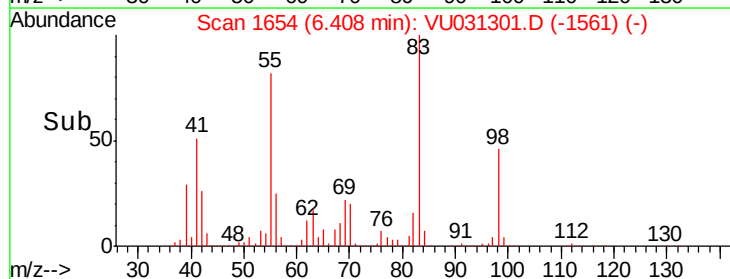
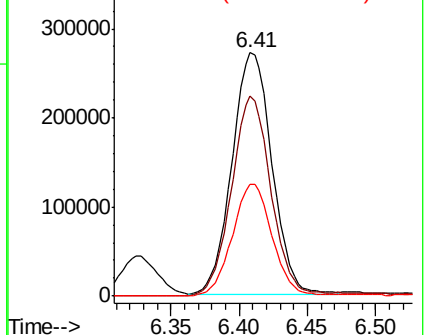
98 46.4 37.0 55.4

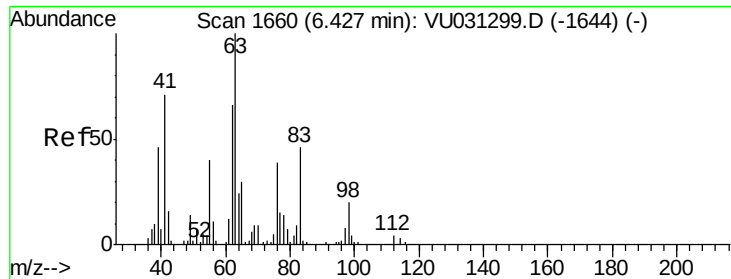


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

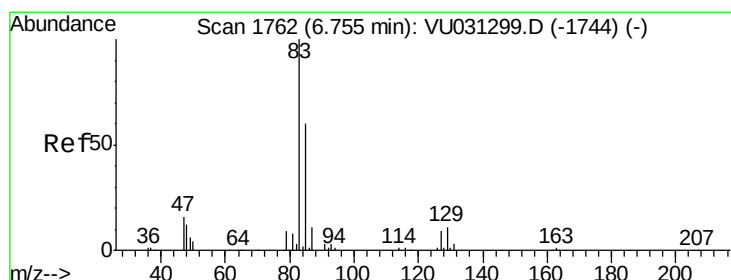
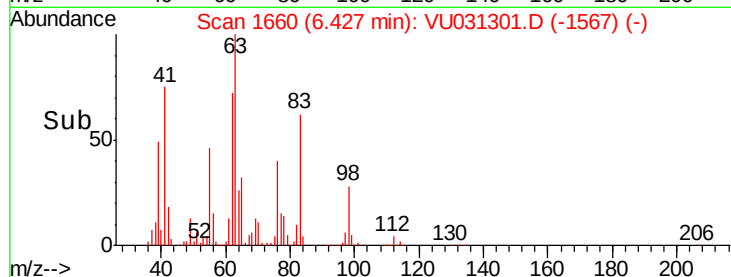
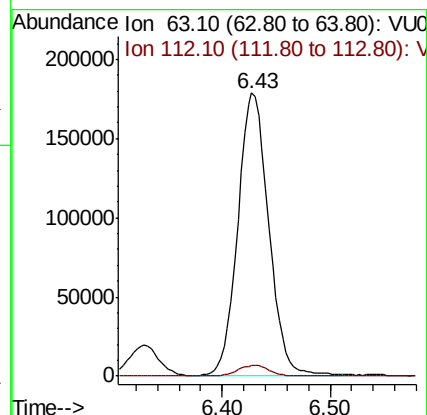
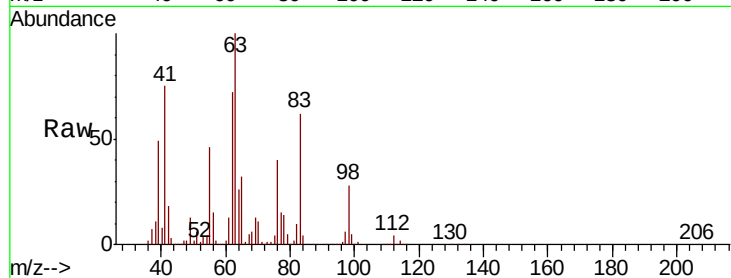




#37
 1,2-Dichloropropane
 Concen: 20.735 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU031301.D
 Acq: 18 Apr 2019 12:11

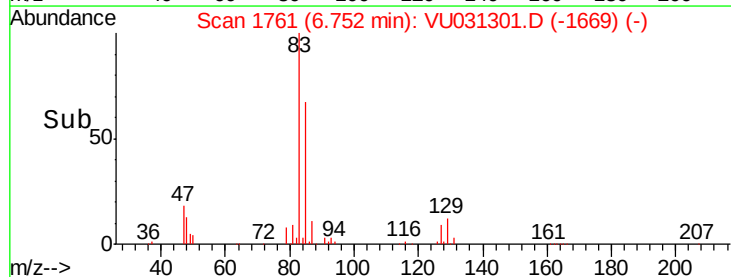
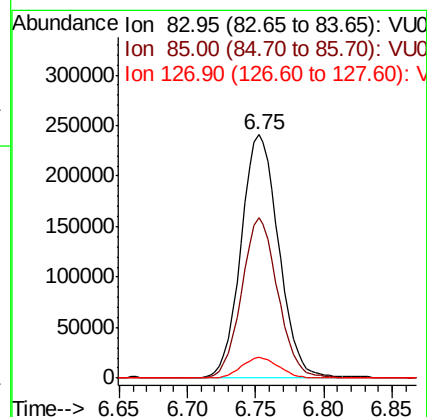
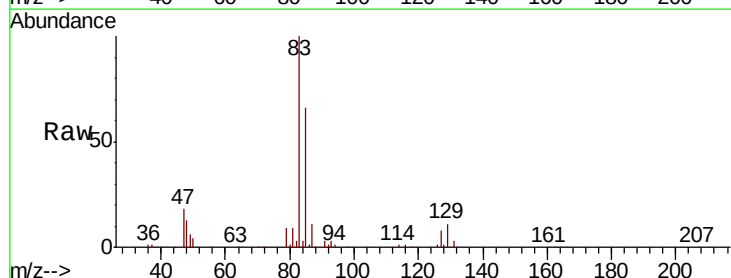
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02007

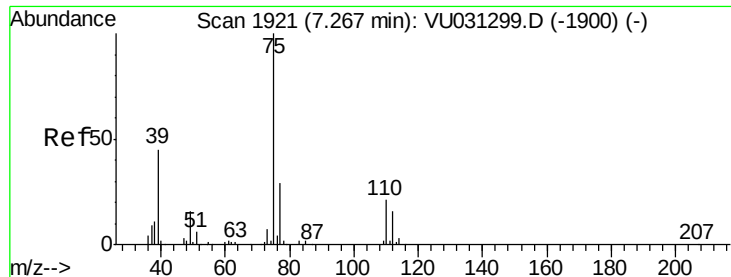
Tgt Ion: 63 Resp: 355059
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.5 5.3



#38
 Bromodichloromethane
 Concen: 21.446 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU031301.D
 Acq: 18 Apr 2019 12:11

Tgt Ion: 83 Resp: 458208
 Ion Ratio Lower Upper
 83 100
 85 65.6 41.9 77.7
 127 8.4 7.1 10.7

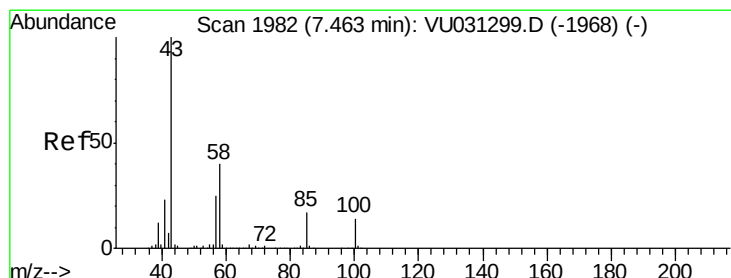
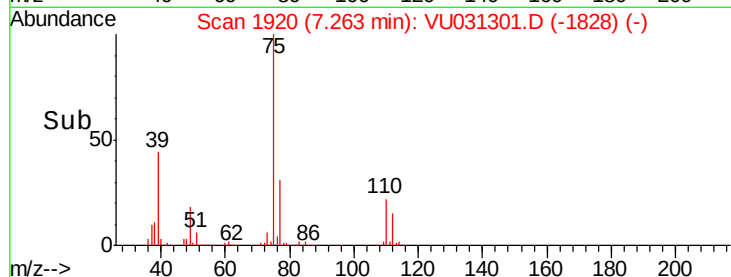
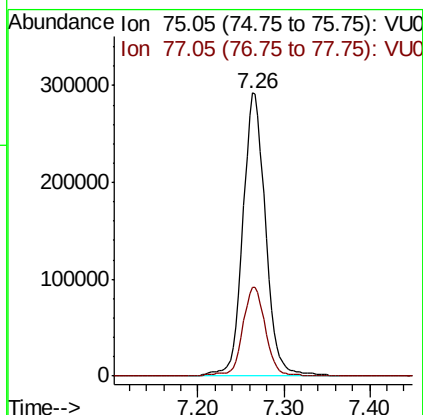
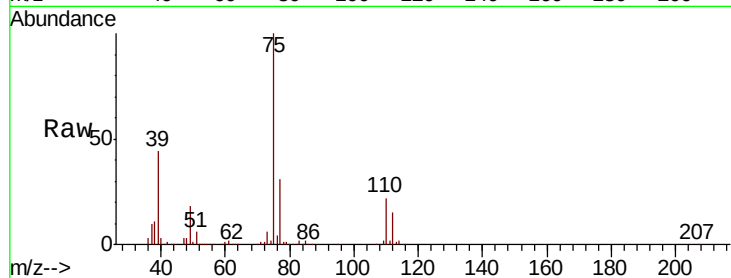




#39
 cis-1,3-Dichloropropene
 Concen: 23.757 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU031301.D
 Acq: 18 Apr 2019 12:11

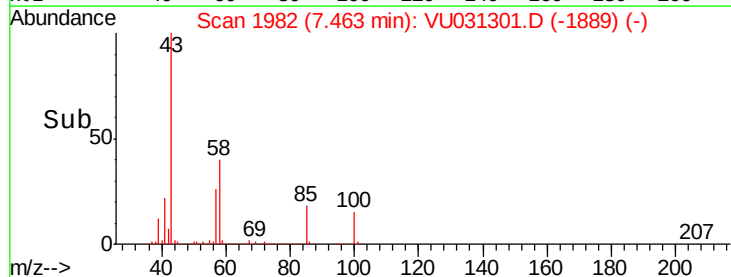
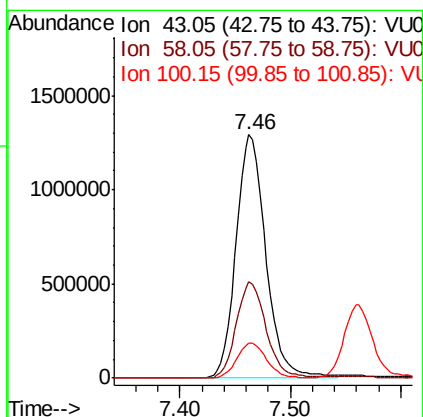
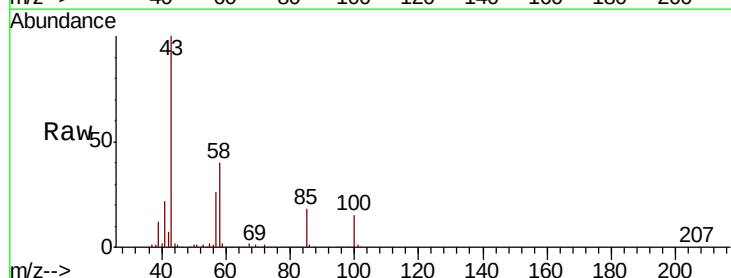
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02007

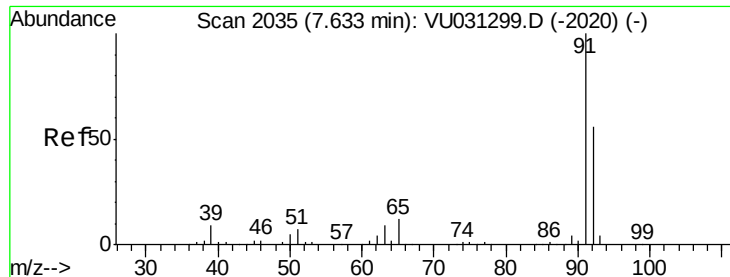
Tgt Ion: 75 Resp: 538003
 Ion Ratio Lower Upper
 75 100
 77 31.3 20.2 37.4



#40
 4-Methyl-2-pentanone
 Concen: 219.711 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VU031301.D
 Acq: 18 Apr 2019 12:11

Tgt Ion: 43 Resp: 2415920
 Ion Ratio Lower Upper
 43 100
 58 39.9 30.7 46.1
 100 14.5 11.1 16.7





#42

Toluene

Concen: 22.518 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU031301.D

Acq: 18 Apr 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

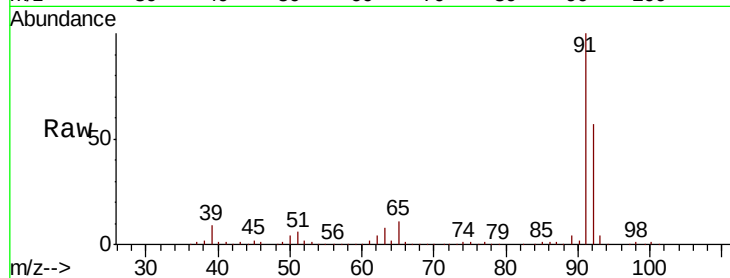
VSTD02007

Tgt Ion: 91 Resp: 1474791

Ion Ratio Lower Upper

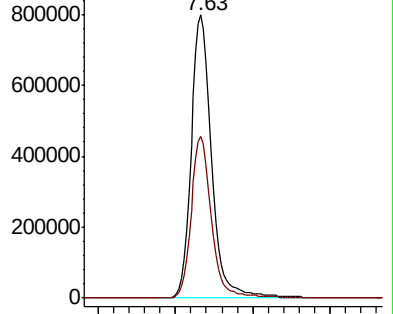
91 100

92 57.3 39.5 73.3

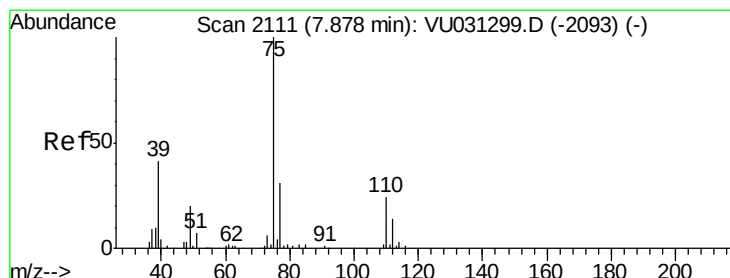
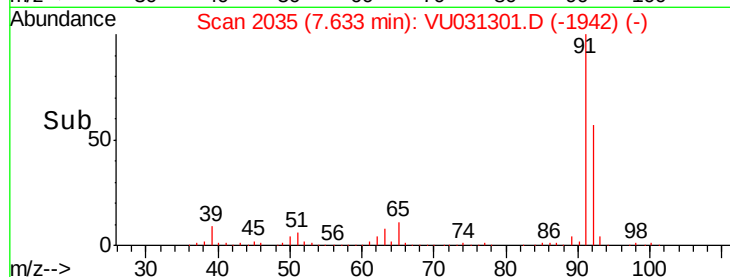


Abundance Ion 91.15 (90.85 to 91.85): VU031299.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU031299.D (-2020) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 23.046 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU031301.D

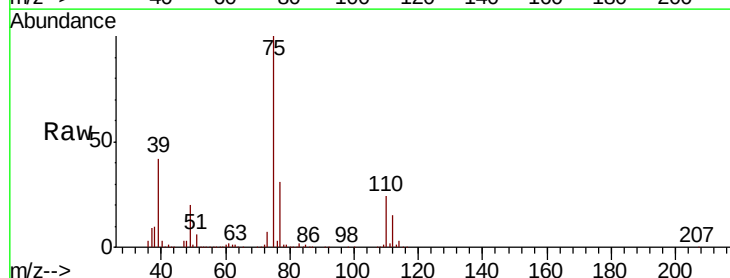
Acq: 18 Apr 2019 12:11

Tgt Ion: 75 Resp: 435540

Ion Ratio Lower Upper

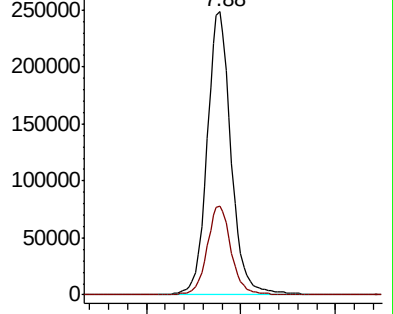
75 100

77 31.4 21.6 40.0

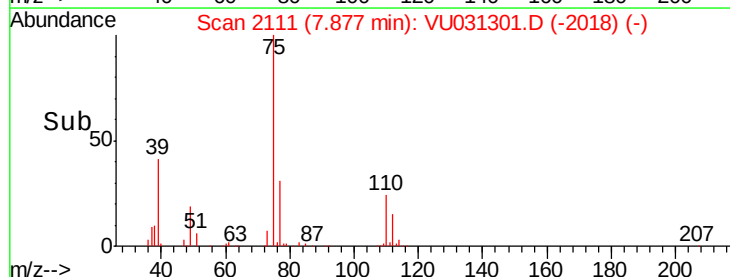


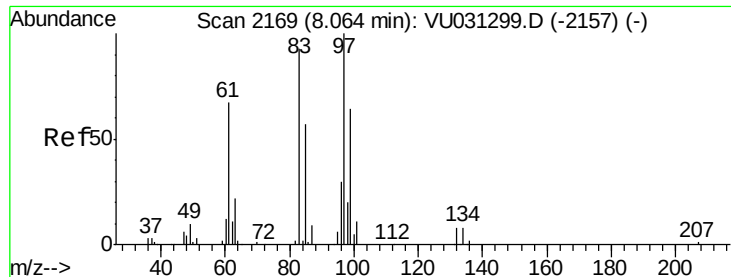
Abundance Ion 75.05 (74.75 to 75.75): VU031299.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU031299.D (-2093) (-)



Time-->

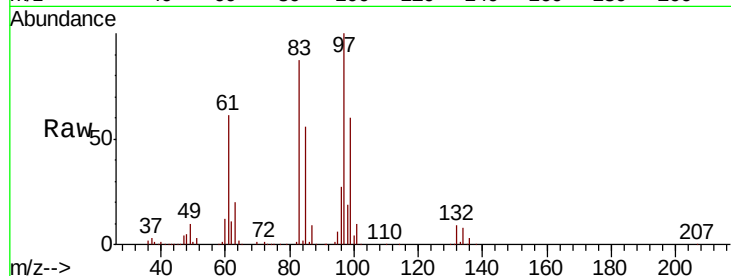




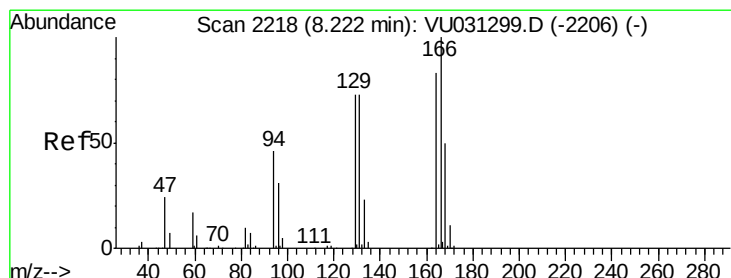
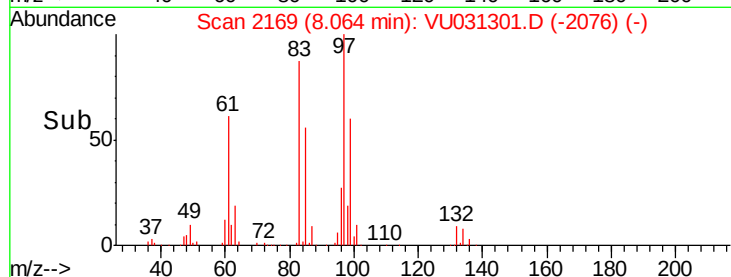
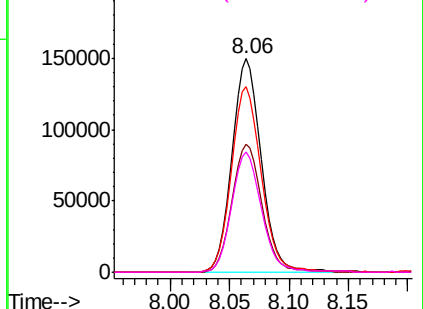
#45
 1,1,2-Trichloroethane
 Concen: 20.941 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU031301.D
 Acq: 18 Apr 2019 12:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02007

Tgt Ion:	97	Resp:	255486
Ion	Ratio	Lower	Upper
97	100		
99	59.9	44.8	83.2
83	86.9	64.9	120.5
85	56.1	40.1	74.5

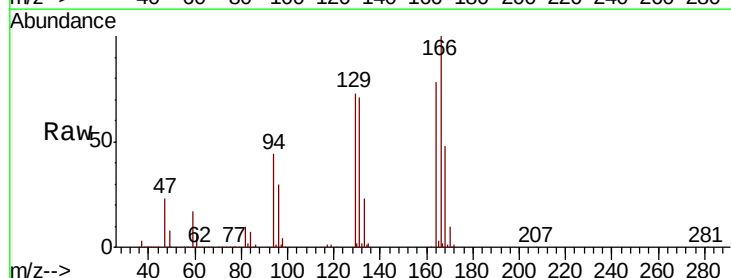


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

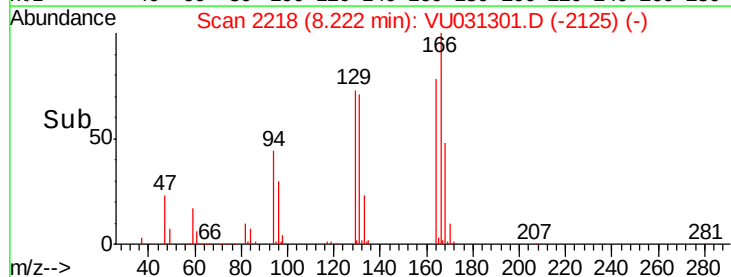
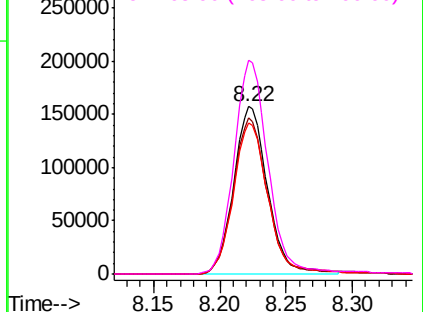


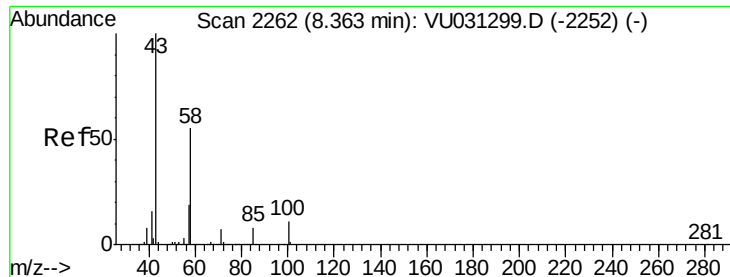
#47
 Tetrachloroethene
 Concen: 21.298 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU031301.D
 Acq: 18 Apr 2019 12:11

Tgt Ion:	164	Resp:	278643
Ion	Ratio	Lower	Upper
164	100		
129	93.0	61.9	114.9
131	90.2	61.5	114.3
166	127.5	84.6	157.0



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

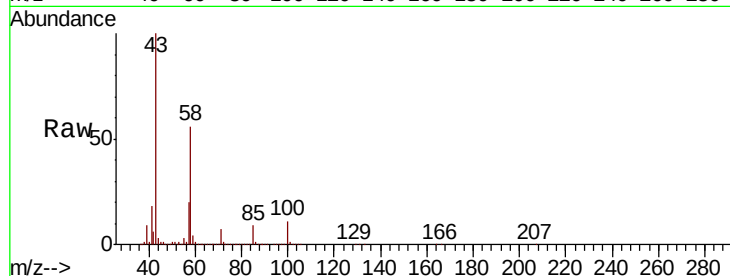




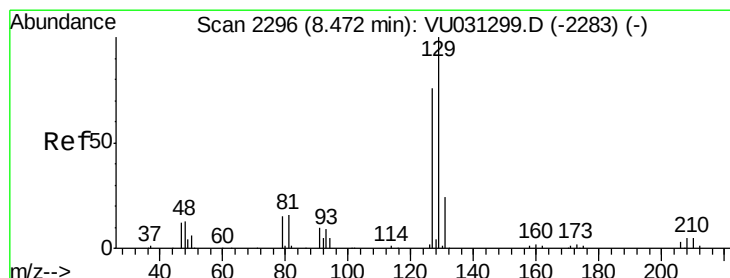
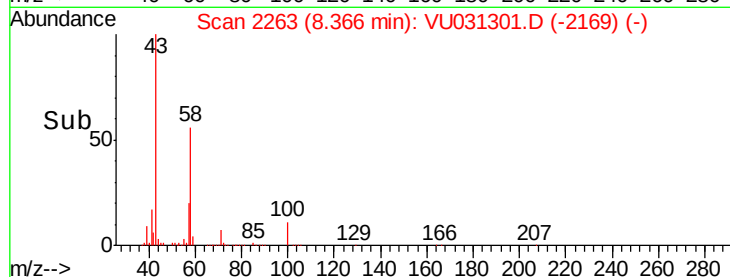
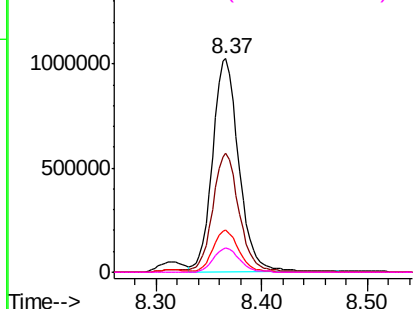
#48
2-Hexanone
Concen: 225.978 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU031301.D
Acq: 18 Apr 2019 12:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD02007

Tgt Ion: 43 Resp: 1763538
Ion Ratio Lower Upper
43 100
58 56.9 45.0 67.6
57 19.6 15.5 23.3
100 11.3 8.7 13.1

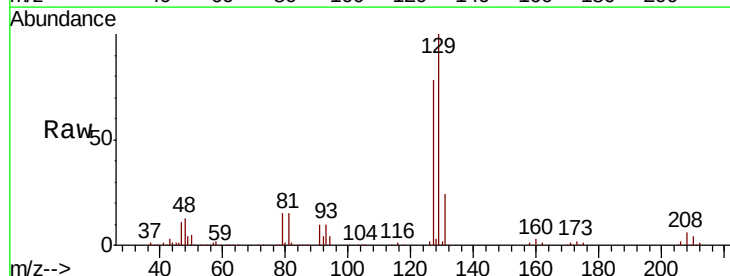


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

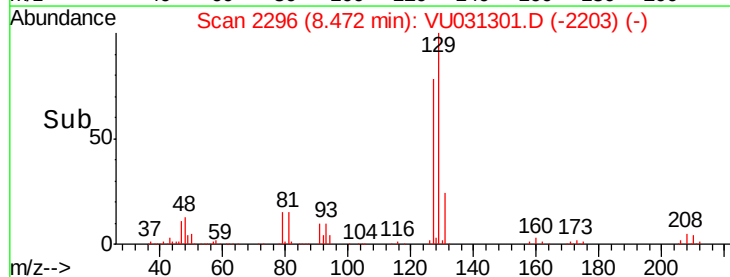
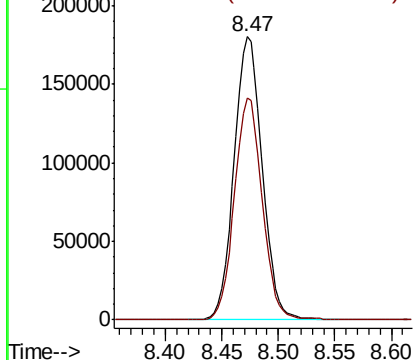


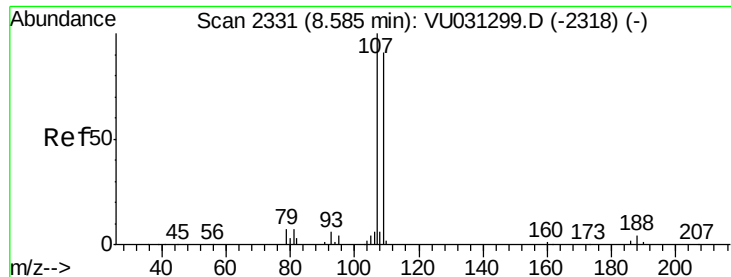
#49
Dibromochloromethane
Concen: 21.412 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU031301.D
Acq: 18 Apr 2019 12:11

Tgt Ion: 129 Resp: 312574
Ion Ratio Lower Upper
129 100
127 78.2 53.3 99.1



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





#50

1,2-Dibromoethane

Concen: 21.901 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VU031301.D

Acq: 18 Apr 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD02007

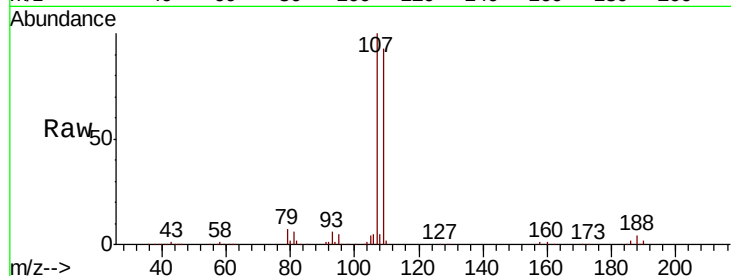
Tgt Ion:107 Resp: 253093

Ion Ratio Lower Upper

107 100

109 93.4 63.6 118.2

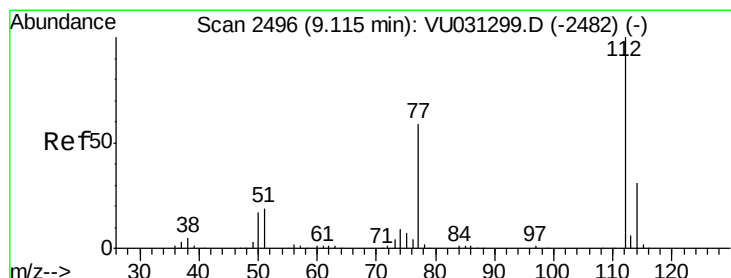
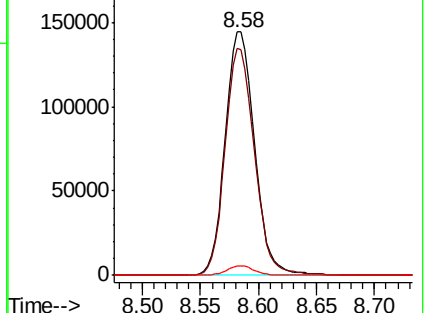
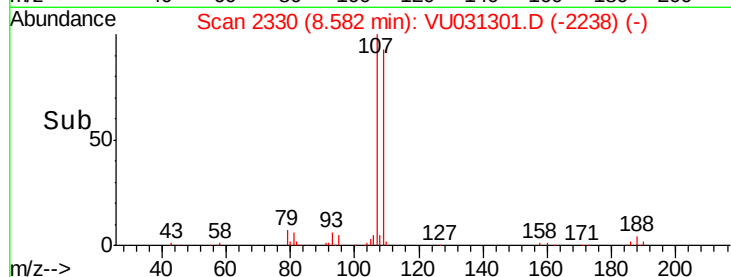
188 3.8 2.9 4.3



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: 21.695 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU031301.D

Acq: 18 Apr 2019 12:11

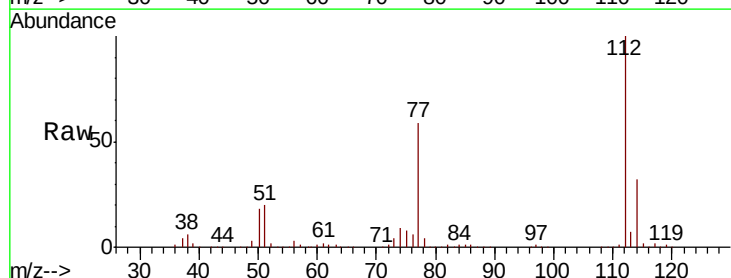
Tgt Ion:112 Resp: 889629

Ion Ratio Lower Upper

112 100

114 32.0 21.6 40.2

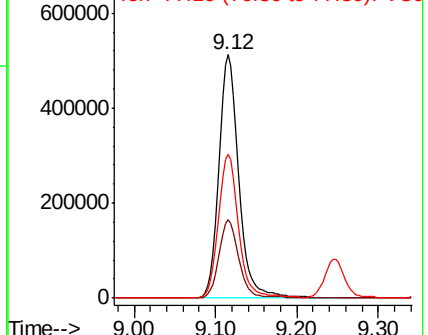
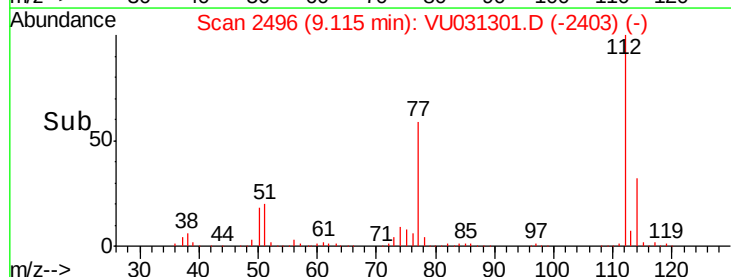
77 59.2 47.1 70.7

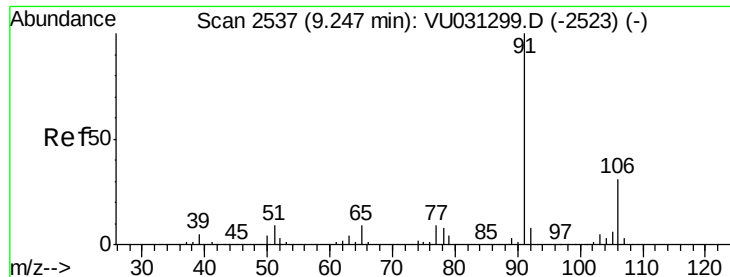


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 23.418 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU031301.D

Acq: 18 Apr 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

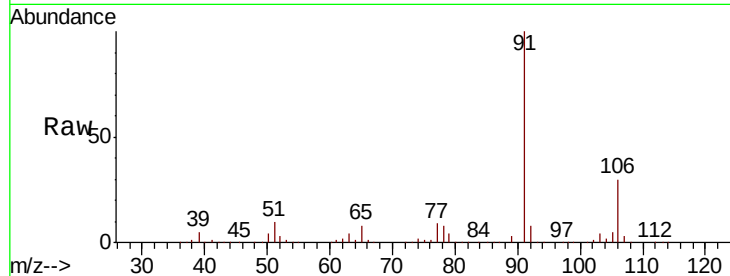
VSTD02007

Tgt Ion: 91 Resp: 1584284

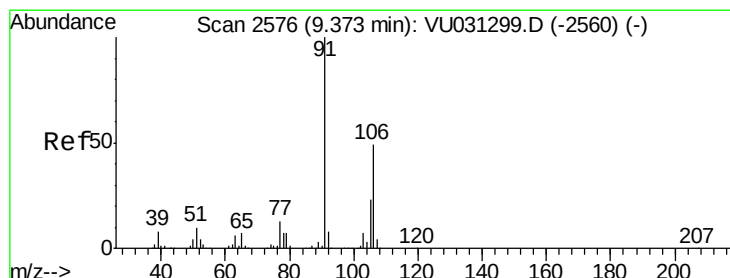
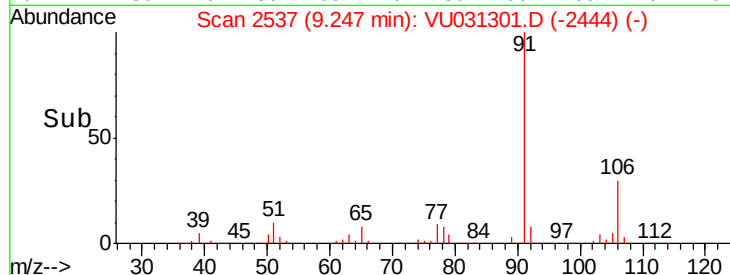
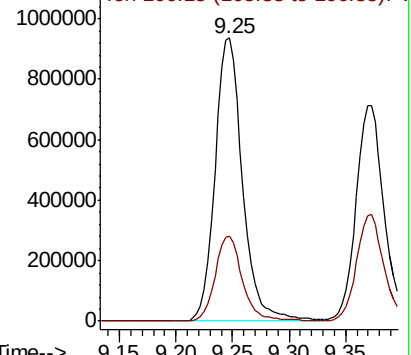
Ion Ratio Lower Upper

91 100

106 30.0 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU031299.D (-2523) (-)



#53

m,p-Xylene

Concen: 24.622 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU031301.D

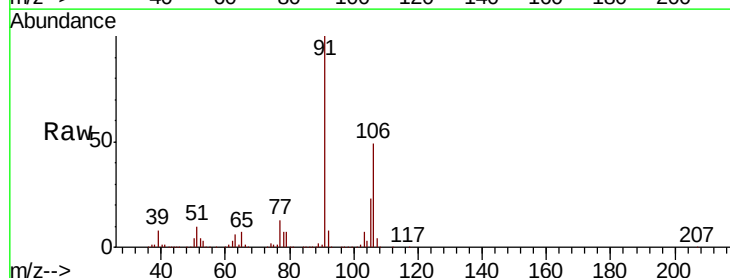
Acq: 18 Apr 2019 12:11

Tgt Ion: 106 Resp: 598438

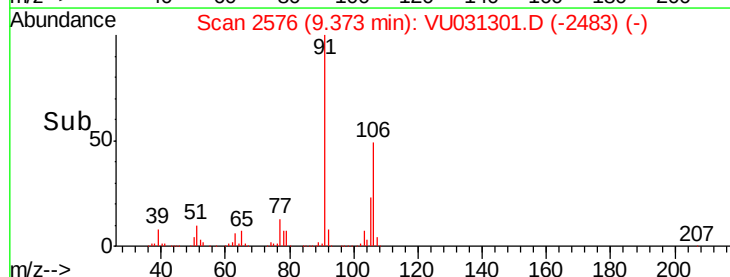
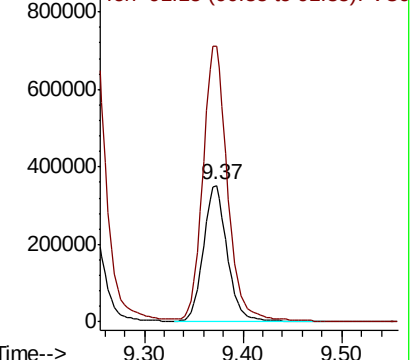
Ion Ratio Lower Upper

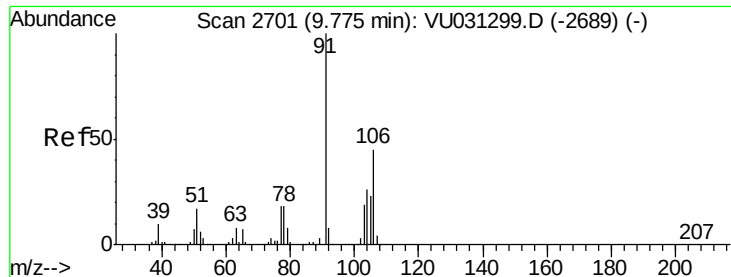
106 100

91 202.6 144.2 267.8



Abundance Ion 106.15 (105.85 to 106.85): VU031299.D (-2560) (-)





#54

o-Xylene

Concen: 23.881 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU031301.D

Acq: 18 Apr 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

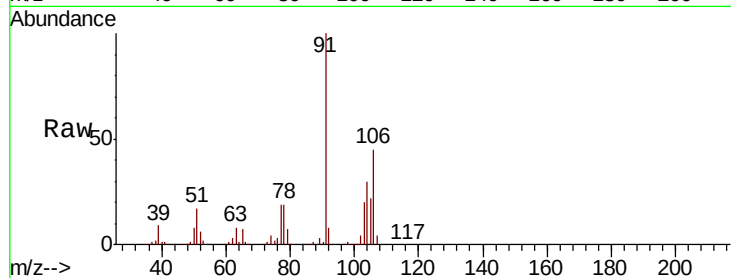
VSTD02007

Tgt Ion:106 Resp: 572002

Ion Ratio Lower Upper

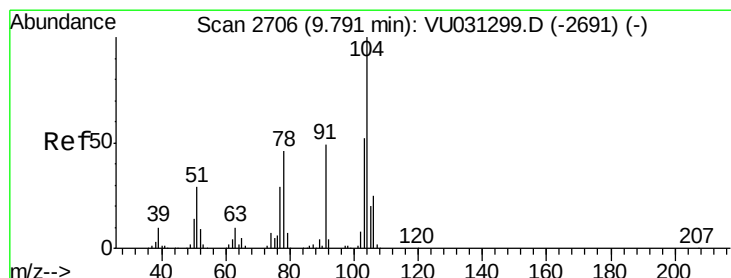
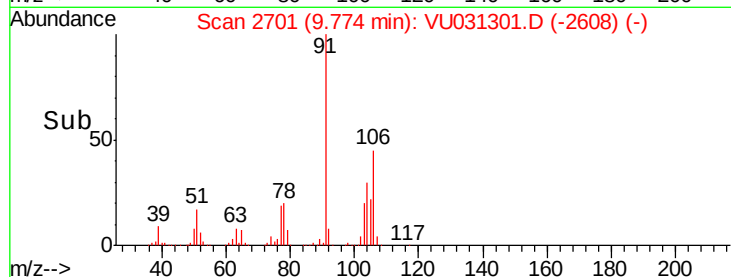
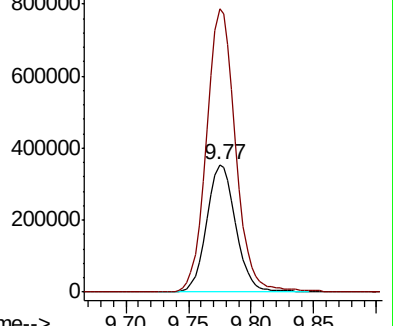
106 100

91 221.7 156.2 290.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 25.353 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU031301.D

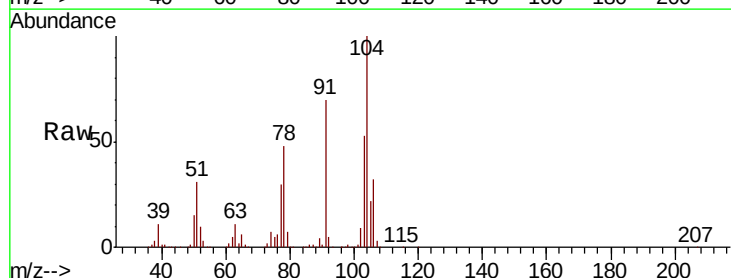
Acq: 18 Apr 2019 12:11

Tgt Ion:104 Resp: 1008628

Ion Ratio Lower Upper

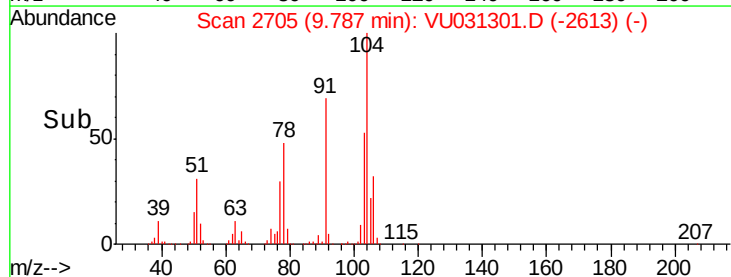
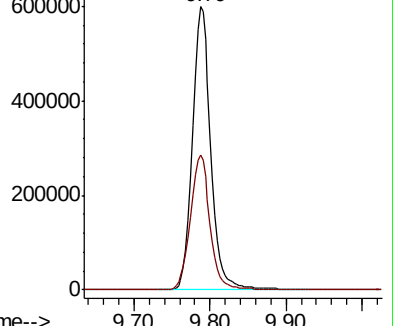
104 100

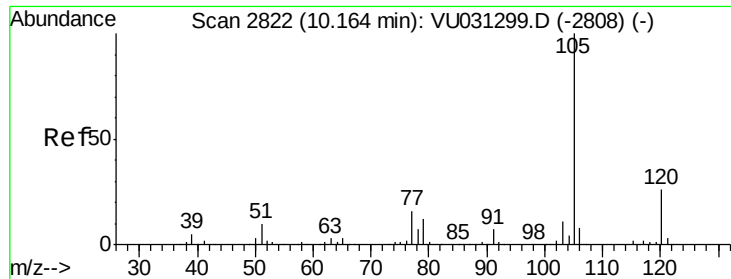
78 47.8 32.0 59.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 24.364 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU031301.D

Acq: 18 Apr 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD02007

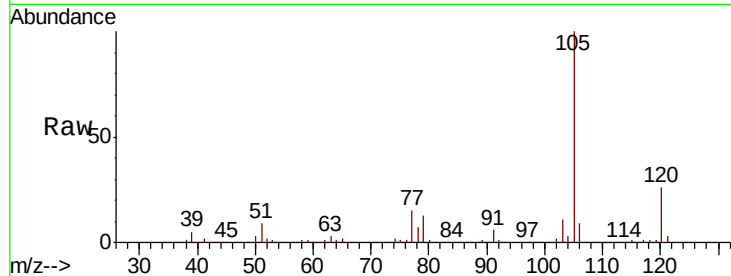
Tgt Ion:105 Resp: 1532048

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

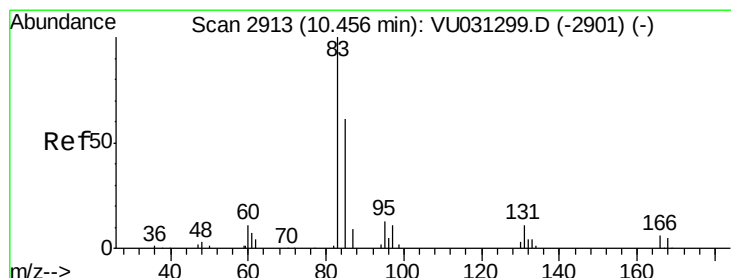
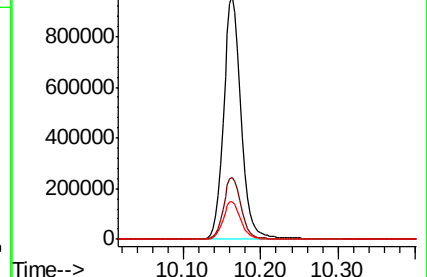
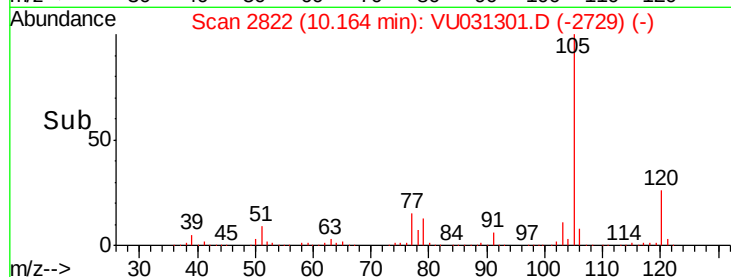
77 15.6 12.9 19.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 21.088 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VU031301.D

Acq: 18 Apr 2019 12:11

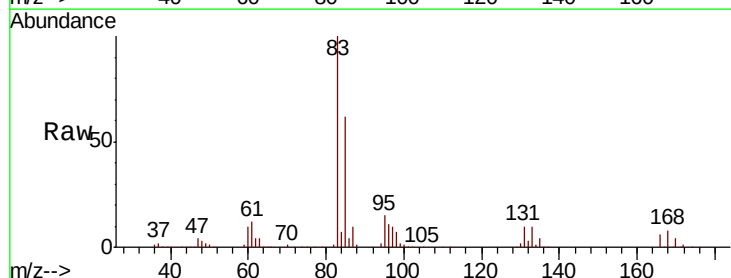
Tgt Ion: 83 Resp: 328897

Ion Ratio Lower Upper

83 100

85 61.8 43.1 80.1

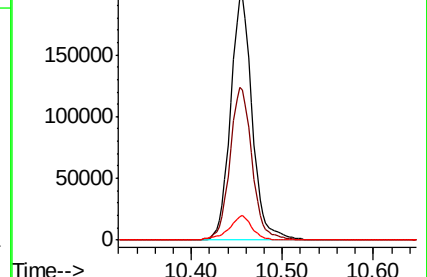
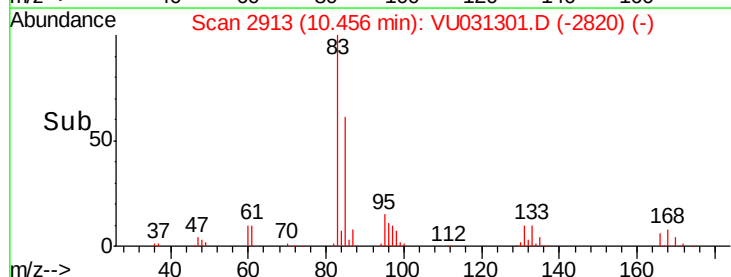
131 9.9 9.4 14.2

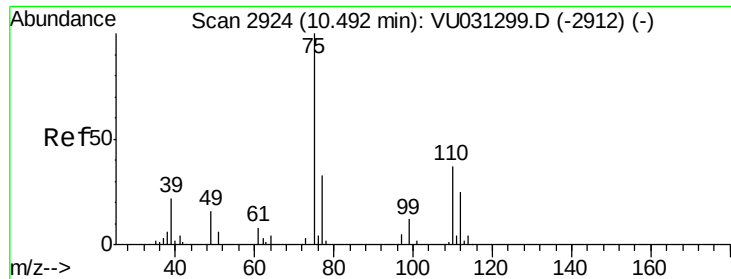


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

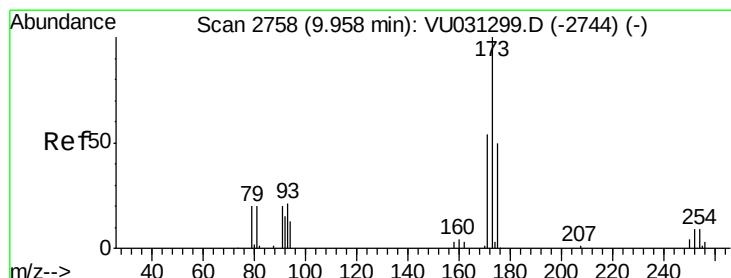
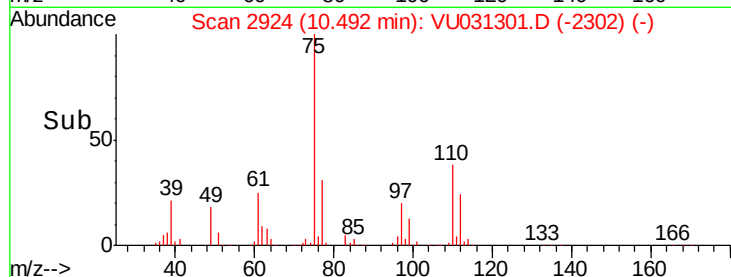
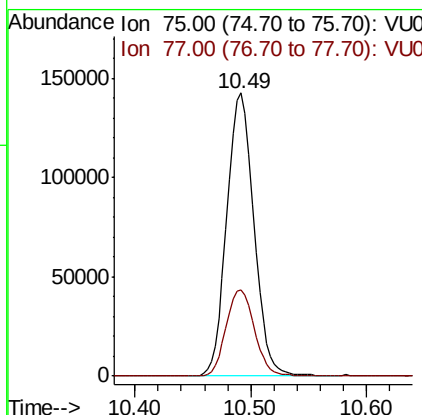
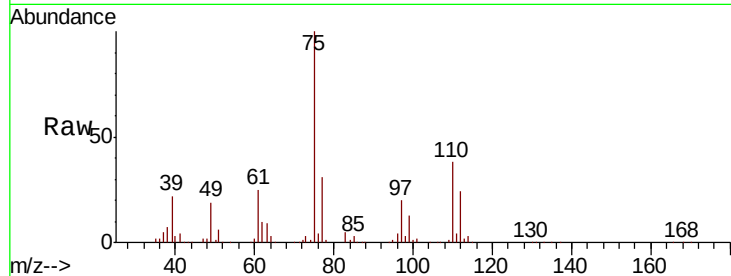




#59
 1,2,3-Trichloropropane
 Concen: 20.663 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU031301.D
 Acq: 18 Apr 2019 12:11

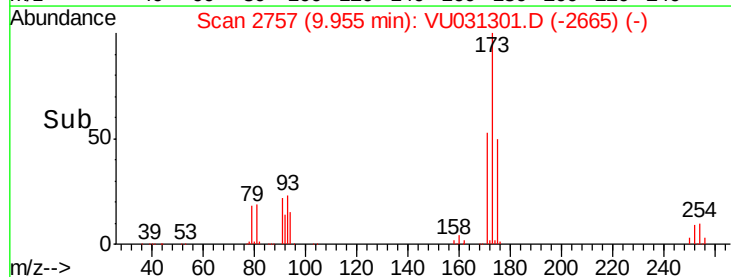
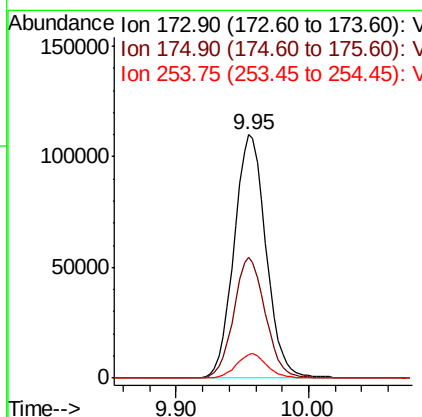
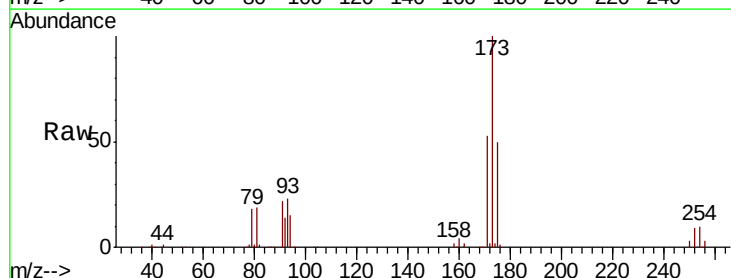
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02007

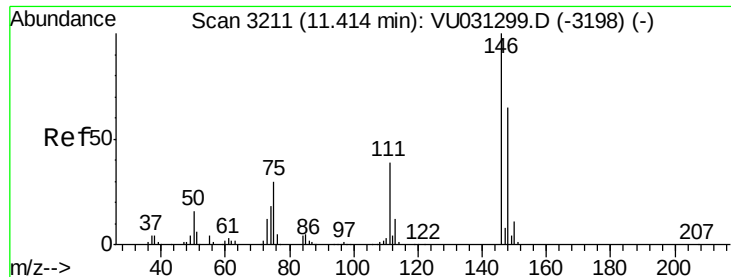
Tgt Ion: 75 Resp: 230911
 Ion Ratio Lower Upper
 75 100
 77 31.8 27.0 40.6



#61
 Bromoform
 Concen: 19.569 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU031301.D
 Acq: 18 Apr 2019 12:11

Tgt Ion: 173 Resp: 183791
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.2 58.8
 254 9.6 7.0 10.6





#62

1,3-Dichlorobenzene

Concen: 20.978 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU031301.D

Acq: 18 Apr 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD02007

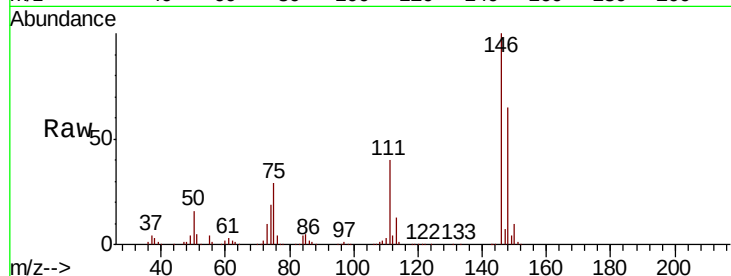
Tgt Ion:146 Resp: 673993

Ion Ratio Lower Upper

146 100

111 39.5 27.6 51.2

148 64.6 45.4 84.4

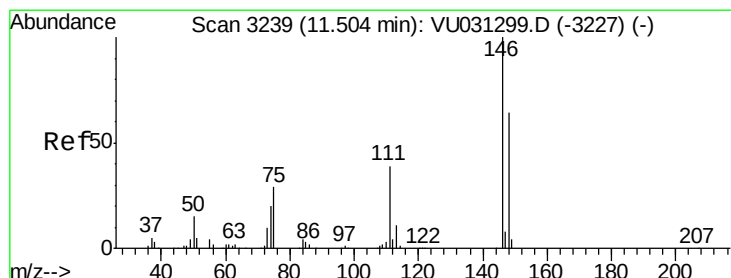
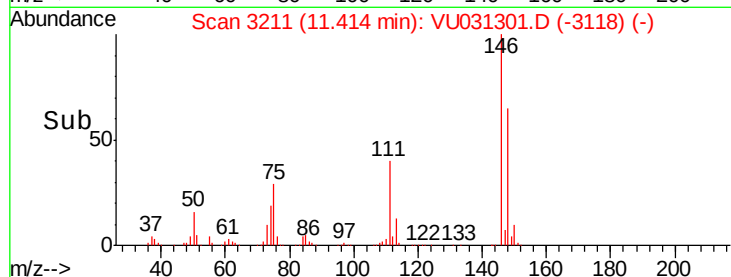
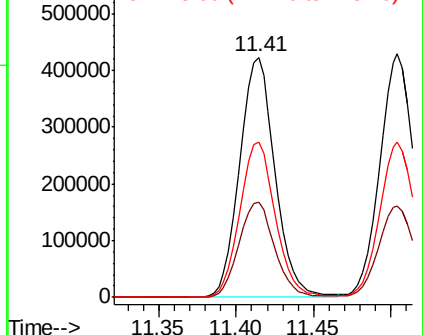


Abundance

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: 21.152 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU031301.D

Acq: 18 Apr 2019 12:11

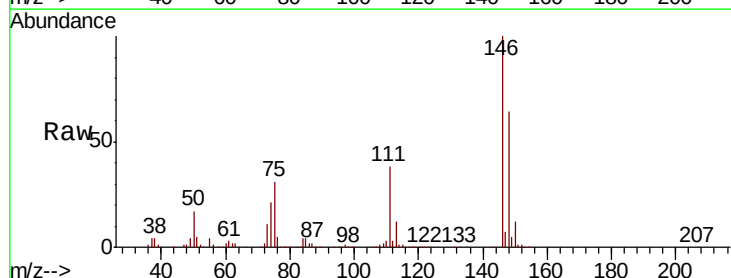
Tgt Ion:146 Resp: 684764

Ion Ratio Lower Upper

146 100

111 37.6 27.6 51.2

148 63.9 44.9 83.5

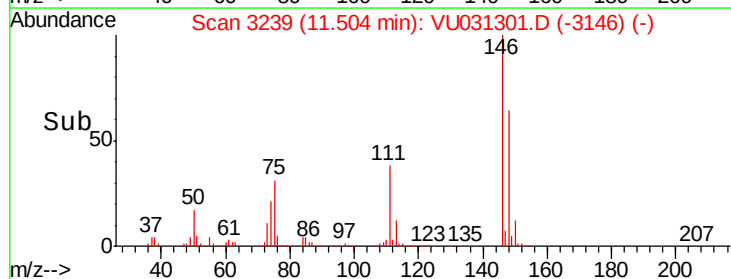
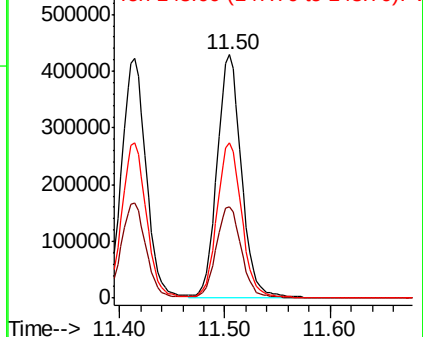


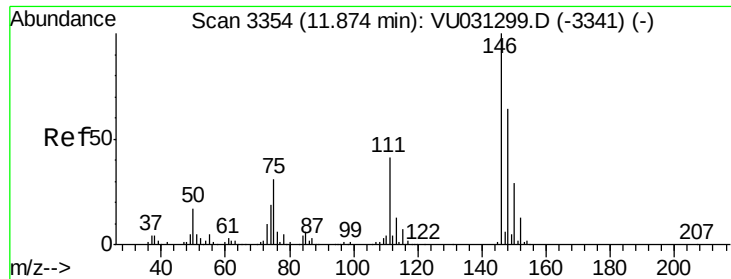
Abundance

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

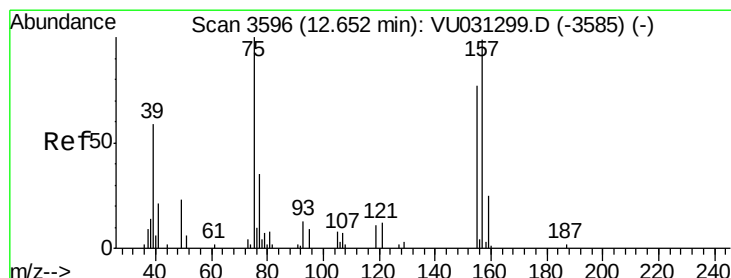
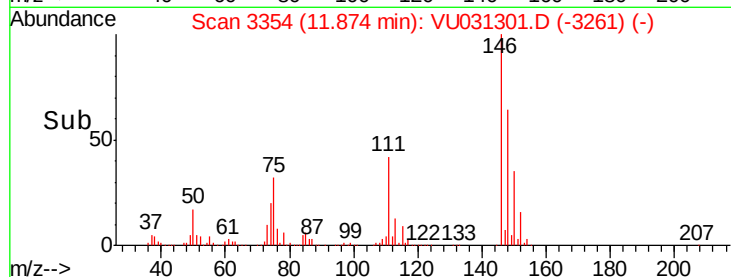
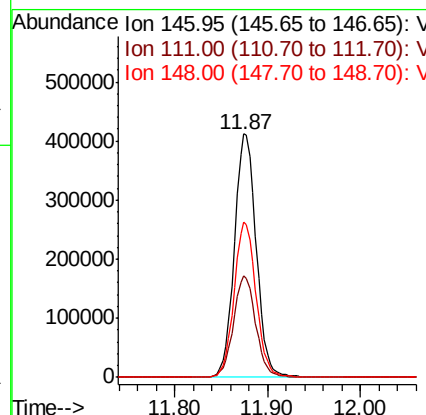
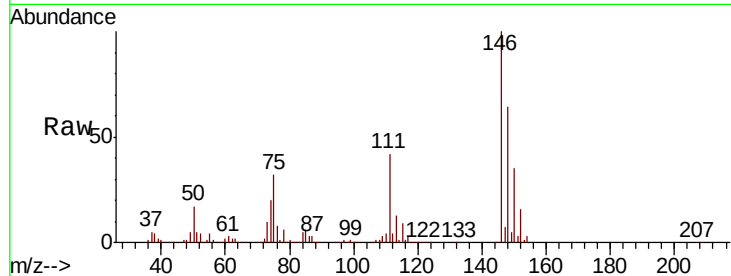




#65
 1,2-Dichlorobenzene
 Concen: 20.505 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU031301.D
 Acq: 18 Apr 2019 12:11

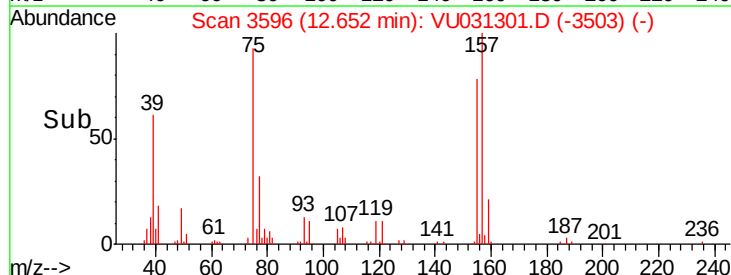
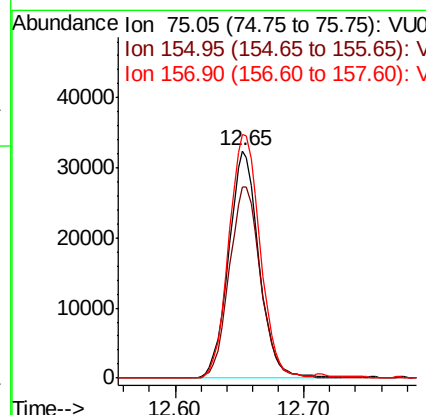
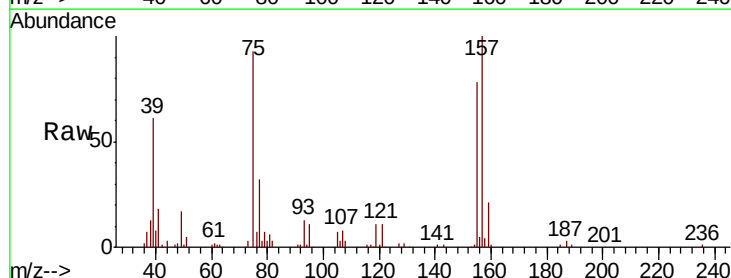
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD02007

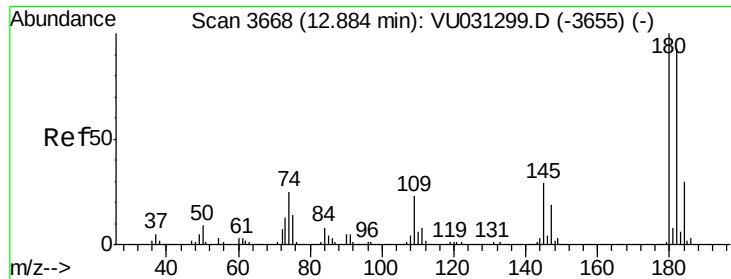
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	33.0	49.6
148	63.8	51.4	77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.856 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU031301.D
 Acq: 18 Apr 2019 12:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	61.8	92.6
157	107.0	79.4	119.0

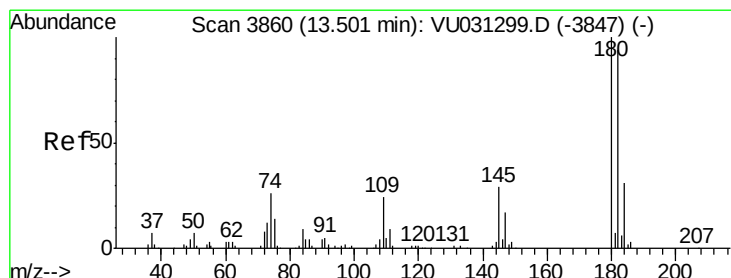
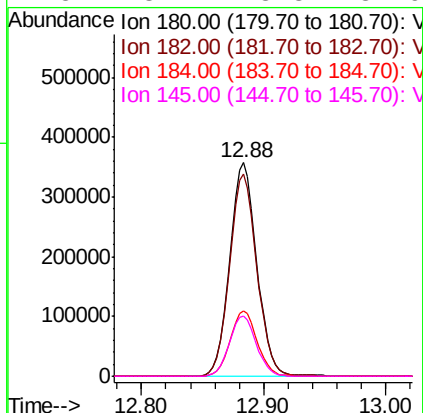
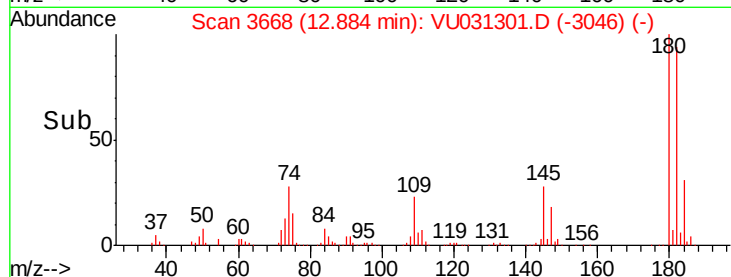
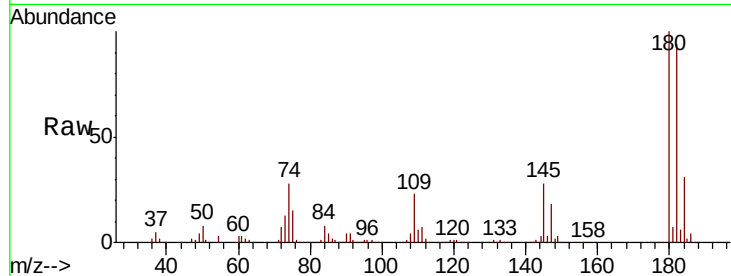




#67
 1,3,5-Trichlorobenzene
 Concen: 20.953 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU031301.D
 Acq: 18 Apr 2019 12:11

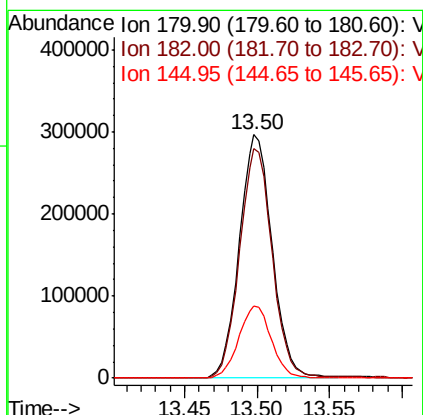
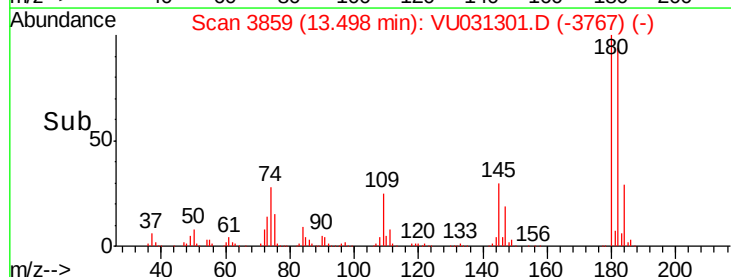
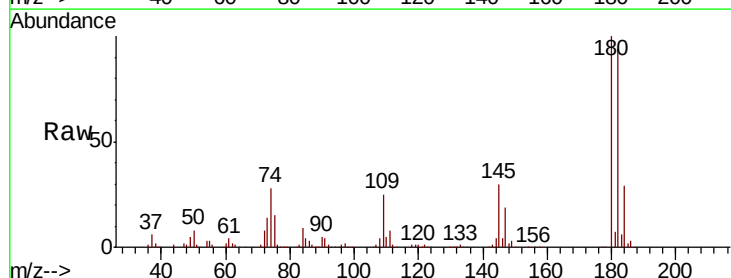
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02007

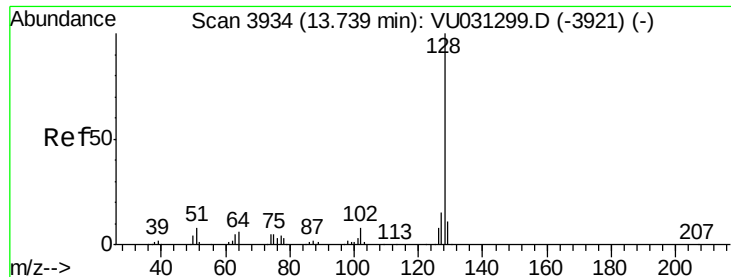
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.0	115.6
184	30.8	23.9	35.9
145	28.1	23.3	34.9



#68
 1,2,4-trichlorobenzene
 Concen: 24.503 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU031301.D
 Acq: 18 Apr 2019 12:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.2	112.8
145	29.5	22.7	34.1





#69

Naphthalene

Concen: 26.904 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU031301.D

Acq: 18 Apr 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD02007

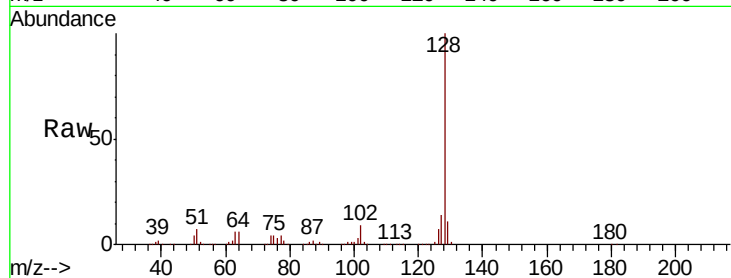
Tgt Ion:128 Resp: 893812

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

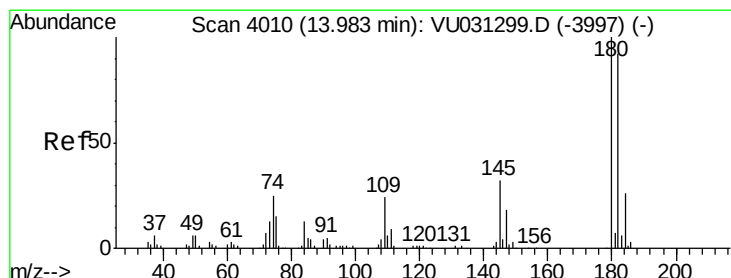
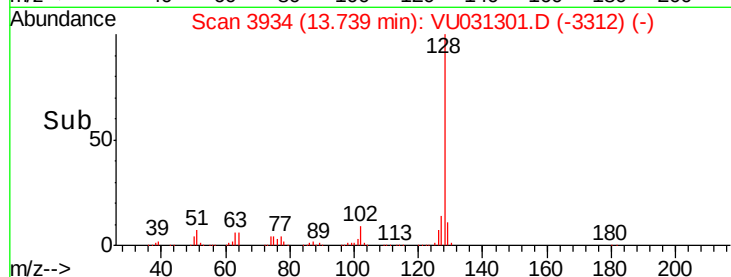
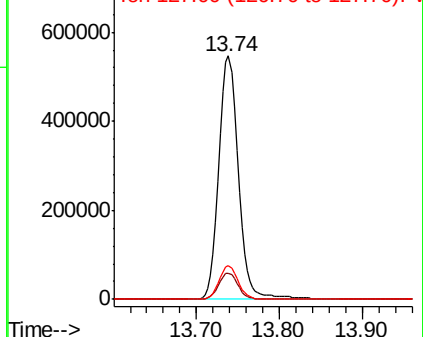
127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 22.798 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU031301.D

Acq: 18 Apr 2019 12:11

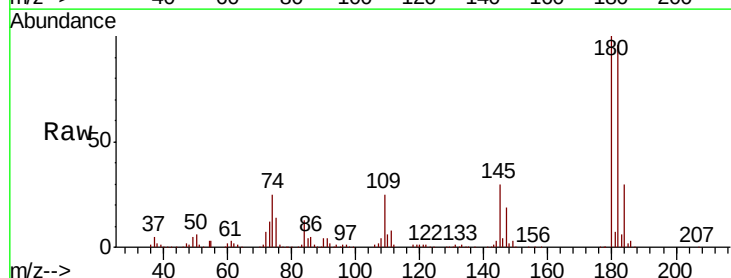
Tgt Ion:180 Resp: 449435

Ion Ratio Lower Upper

180 100

182 95.8 74.3 111.5

145 31.4 25.3 37.9



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

