

Data File : VU030746.D
Acq On : 05 Apr 2019 17:22
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

Quant Time: Apr 06 02:16:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 05 23:39:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	369244	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	353902	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	166552	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	146596	44.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.96%
7) Chloroethane-d5	1.68	69	117258	46.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.74%
11) 1,1-Dichloroethene-d2	2.27	63	282194	47.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.66%
21) 2-Butanone-d5	4.17	46	268290	102.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.70%
24) Chloroform-d	4.64	84	248180	49.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.58%
26) 1,2-Dichloroethane-d4	5.31	65	167425	48.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.46%
32) Benzene-d6	5.33	84	499255	48.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.64%
36) 1,2-Dichloropropane-d6	6.32	67	174730	49.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.70%
41) Toluene-d8	7.56	98	447512	48.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.74%
43) trans-1,3-Dichloropropene-	7.85	79	80719	50.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.00%
47) 2-Hexanone-d5	8.31	63	158165	97.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.74%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	240421	50.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.68%
64) 1,2-Dichlorobenzene-d4	11.86	152	155722	47.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.08%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	160257	49.410	ug/L	99
3) Chloromethane	1.32	50	198521	47.320	ug/L	99
5) Vinyl chloride	1.40	62	194506	47.895	ug/L	95
6) Bromomethane	1.62	94	101722	48.347	ug/L	98
8) Chloroethane	1.69	64	113022	48.795	ug/L	99
9) Trichlorofluoromethane	1.88	101	238720	50.448	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	135030	51.071	ug/L	99
12) 1,1-Dichloroethene	2.28	96	126932	49.730	ug/L	97
13) Acetone	2.32	43	291160	108.918	ug/L	99
14) Carbon disulfide	2.47	76	389303	49.098	ug/L	97
15) Methyl Acetate	2.61	43	211994	51.148	ug/L	97
16) Methylene chloride	2.70	84	145767	47.012	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	129008	47.603	ug/L	94
18) Methyl tert-butyl Ether	2.99	73	438203	48.270	ug/L	100
19) 1,1-Dichloroethane	3.44	63	283748	50.734	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	144577	48.315	ug/L	97
22) 2-Butanone	4.25	43	340731	108.712	ug/L	95

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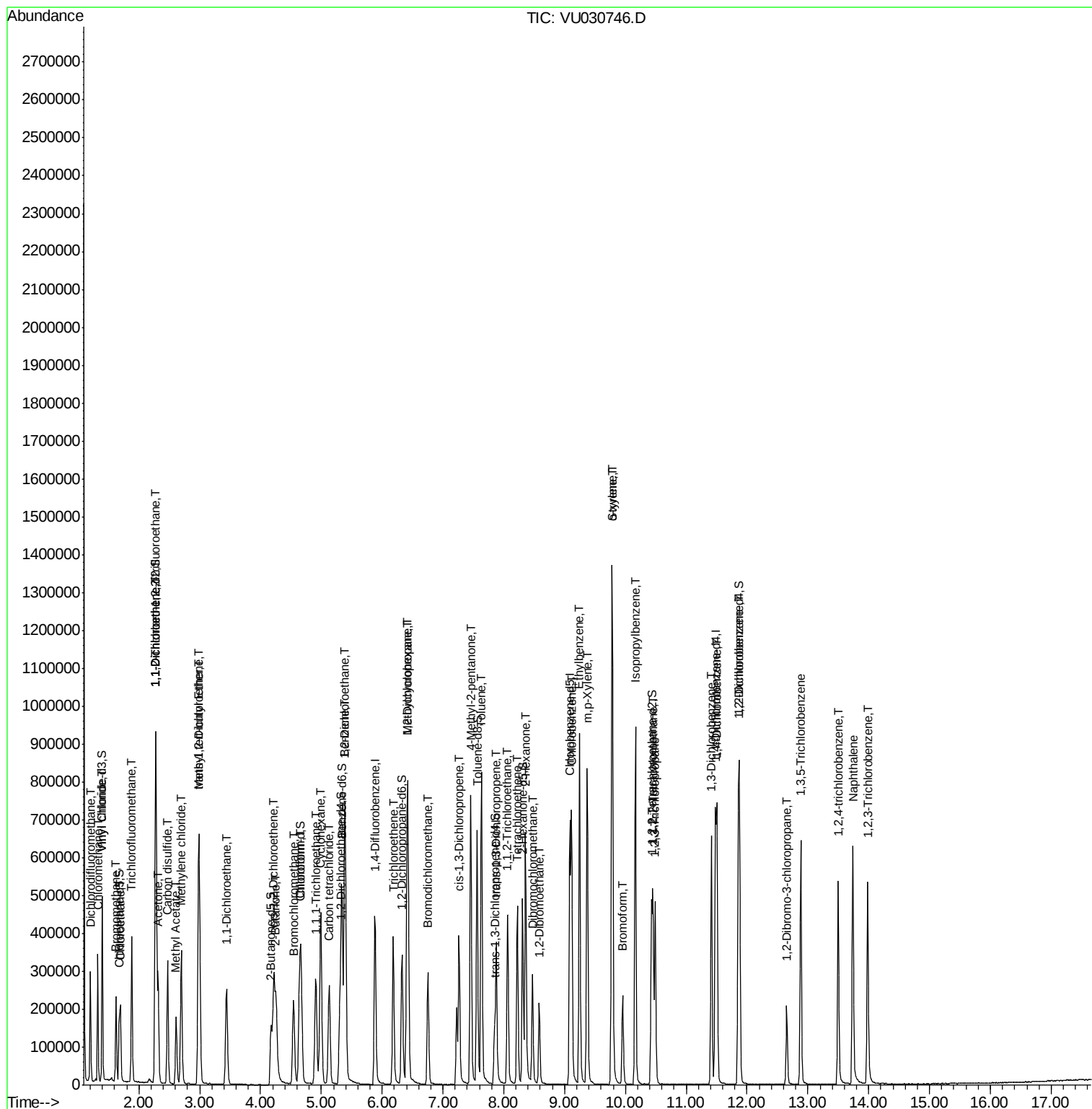
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	69897	49.408	ug/L	97
25) Chloroform	4.67	83	275269	48.970	ug/L	99
27) 1,2-Dichloroethane	5.40	62	215760	50.291	ug/L	98
29) Cyclohexane	4.99	56	246799	48.928	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	217981	50.541	ug/L	99
31) Carbon tetrachloride	5.13	117	187288	50.391	ug/L	100
33) Benzene	5.38	78	592605	51.170	ug/L	100
34) Trichloroethene	6.18	95	144447	50.853	ug/L	98
35) Methylcyclohexane	6.41	83	224608	51.238	ug/L	98
37) 1,2-Dichloropropane	6.43	63	163191	49.763	ug/L	100
38) Bromodichloromethane	6.75	83	198355	50.139	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	240959	51.623	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	537163	101.861	ug/L	100
42) Toluene	7.63	91	598015	50.586	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	215849	52.474	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	140994	50.695	ug/L	98
46) Tetrachloroethene	8.22	164	106139	51.396	ug/L	99
48) 2-Hexanone	8.36	43	444516	108.042	ug/L	99
49) Dibromochloromethane	8.47	129	148946	50.470	ug/L	99
50) 1,2-Dibromoethane	8.58	107	149698	49.741	ug/L	99
51) Chlorobenzene	9.12	112	360811	49.763	ug/L	100
52) Ethylbenzene	9.24	91	645277	50.076	ug/L	98
53) m,p-Xylene	9.37	106	230787	51.352	ug/L	100
54) o-xylene	9.77	106	223798	50.063	ug/L	97
55) Styrene	9.79	104	396917	51.764	ug/L	99
56) Isopropylbenzene	10.16	105	605772	51.469	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	252761	50.245	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	200354	51.012	ug/L	99
61) Bromoform	9.95	173	107421	48.823	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	260023	49.398	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	260838	48.716	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	259335	49.115	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	55624	49.555	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	192687	50.089	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	164496	50.292	ug/L	96
69) Naphthalene	13.74	128	522810	49.307	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	168115	49.195	ug/L	99

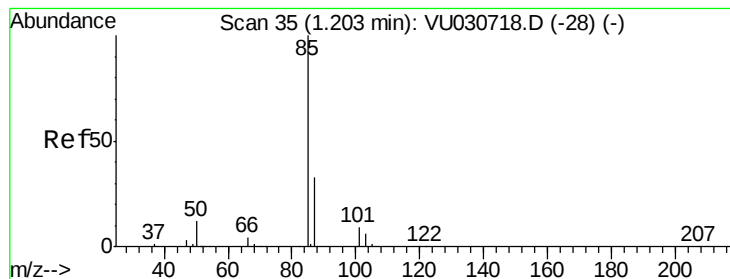
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.410 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

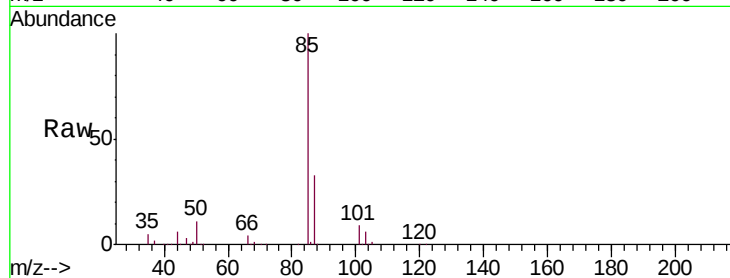
VSTD05051

Tgt Ion: 85 Resp: 160257

Ion Ratio Lower Upper

85 100

87 32.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU030718.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU030718.D (-28) (-)

1.20

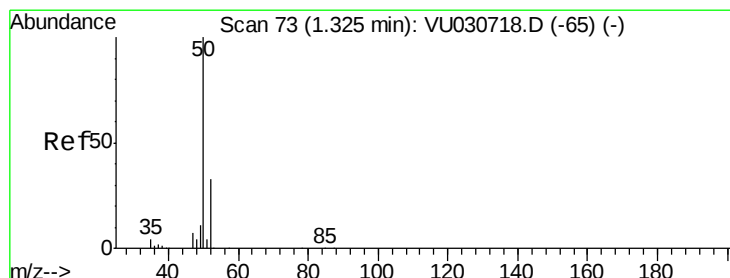
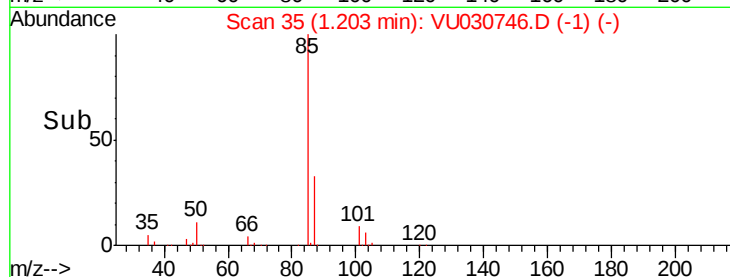
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 47.320 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU030746.D

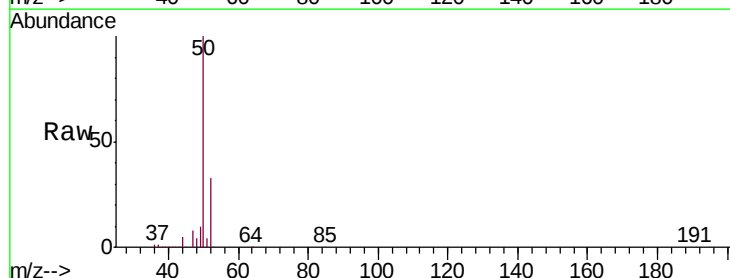
Acq: 05 Apr 2019 17:22

Tgt Ion: 50 Resp: 198521

Ion Ratio Lower Upper

50 100

52 32.8 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU030718.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU030718.D (-65) (-)

1.32

200000

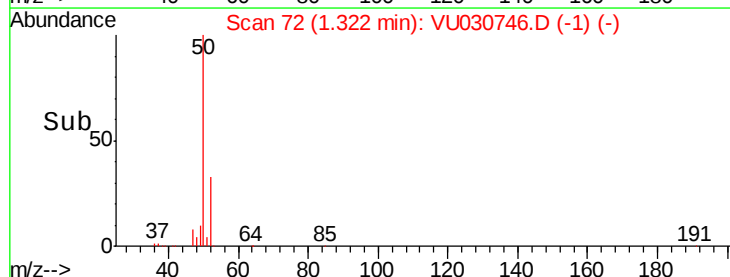
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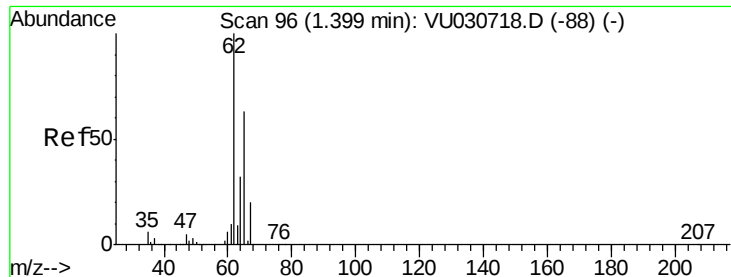
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 47.895 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

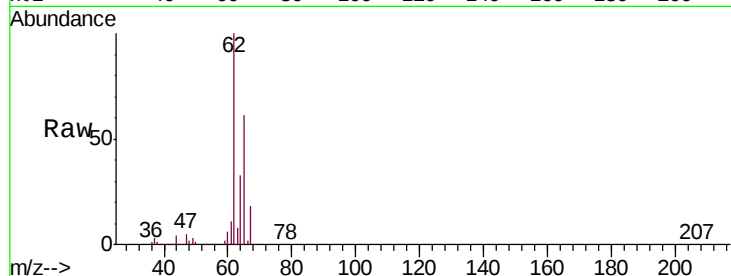
VSTD05051

Tgt Ion: 62 Resp: 194506

Ion Ratio Lower Upper

62 100

64 33.3 21.5 39.9



Abundance Ion 62.00 (61.70 to 62.70): VU030746.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU030746.D (-88) (-)

1.40

200000

150000

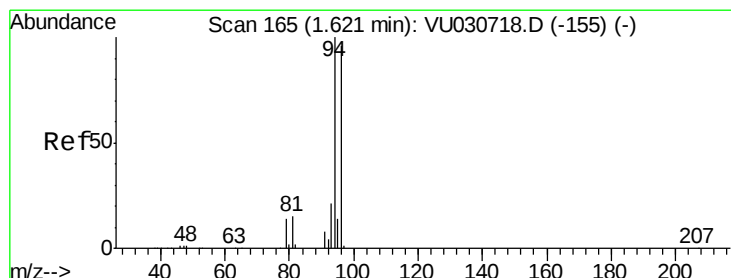
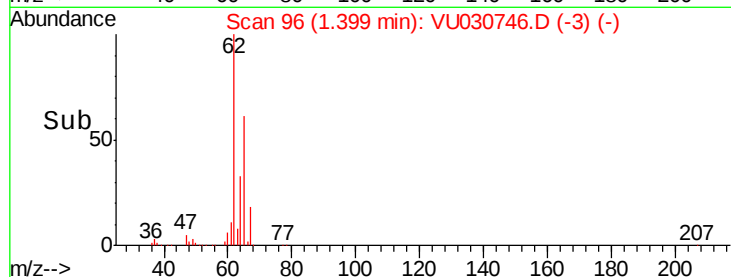
100000

50000

0

1.35 1.40 1.45 1.50

Time-->



#6

Bromomethane

Concen: 48.347 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU030746.D

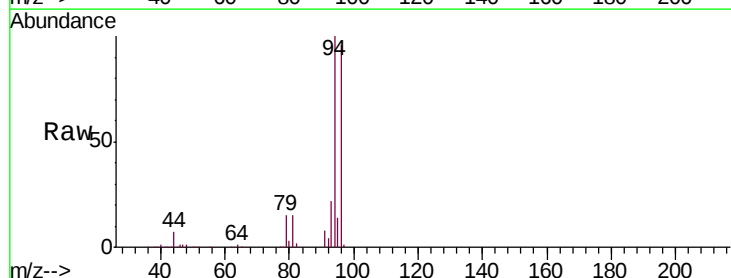
Acq: 05 Apr 2019 17:22

Tgt Ion: 94 Resp: 101722

Ion Ratio Lower Upper

94 100

96 95.9 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU030746.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU030746.D (-155) (-)

1.62

80000

60000

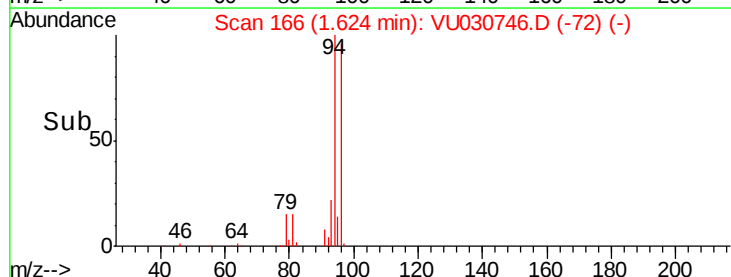
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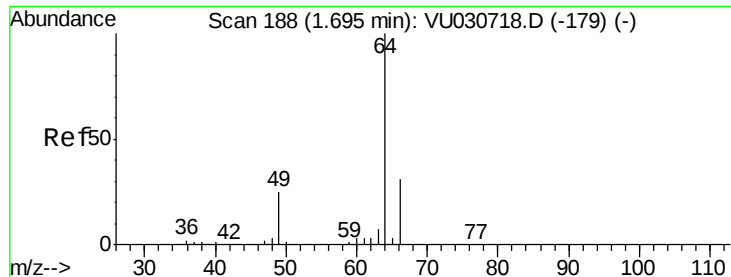
20000

0

1.55 1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 48.795 ug/L

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

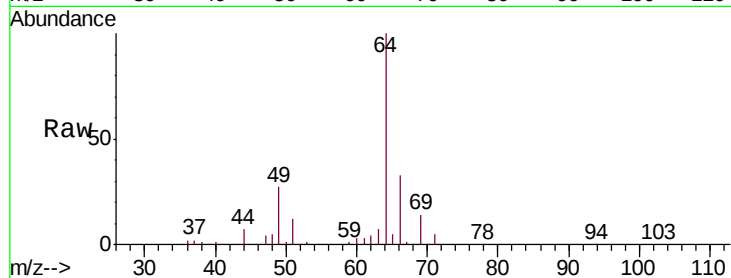
VSTD05051

Tgt Ion: 64 Resp: 113022

Ion Ratio Lower Upper

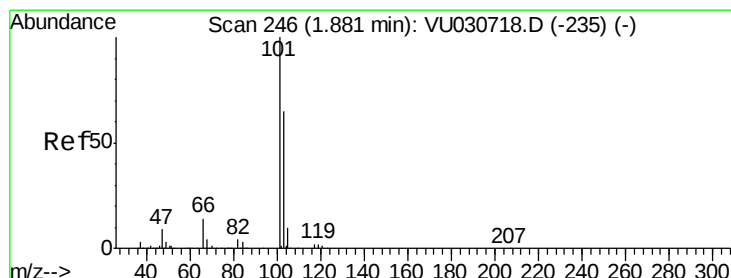
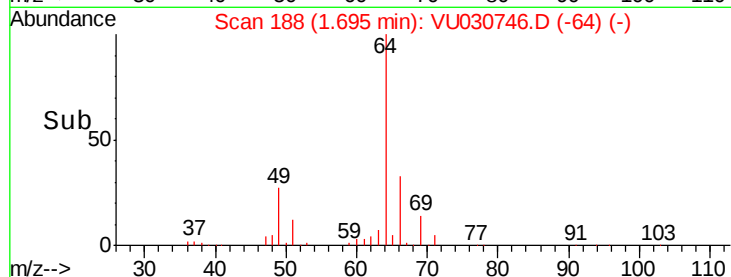
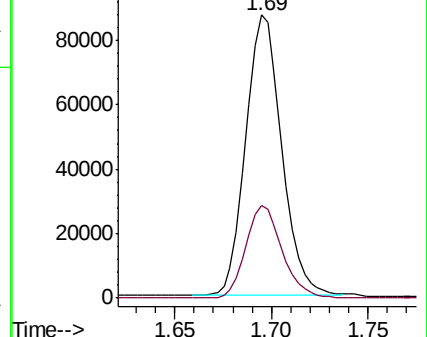
64 100

66 32.8 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU030746.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU030746.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 50.448 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU030746.D

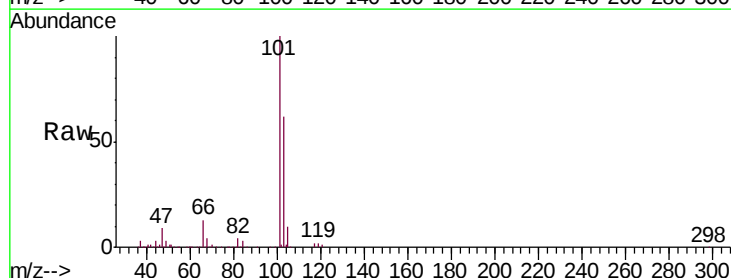
Acq: 05 Apr 2019 17:22

Tgt Ion: 101 Resp: 238720

Ion Ratio Lower Upper

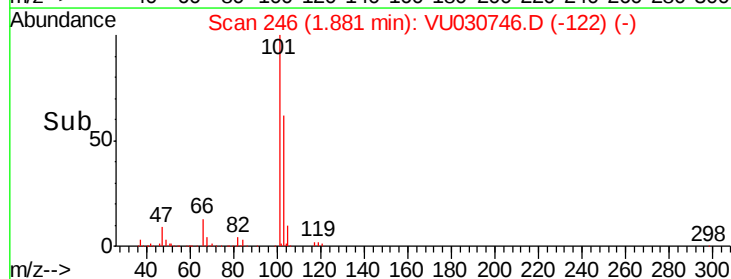
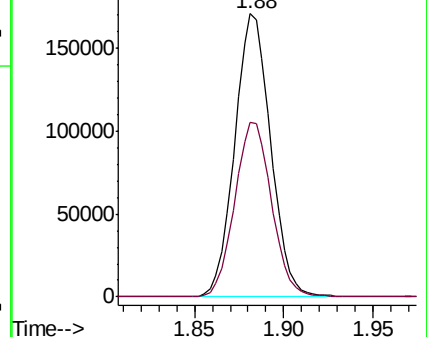
101 100

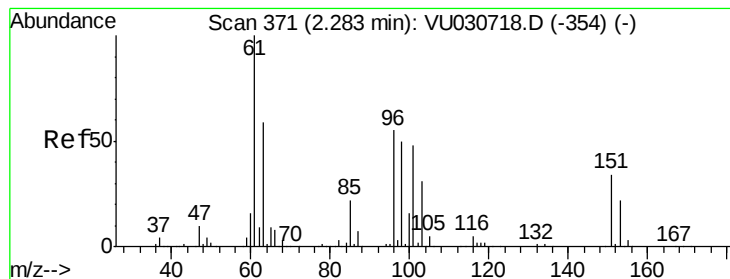
103 63.3 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VU030746.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU030746.D (-235) (-)





#10

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

Concen: 51.071 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030746.D

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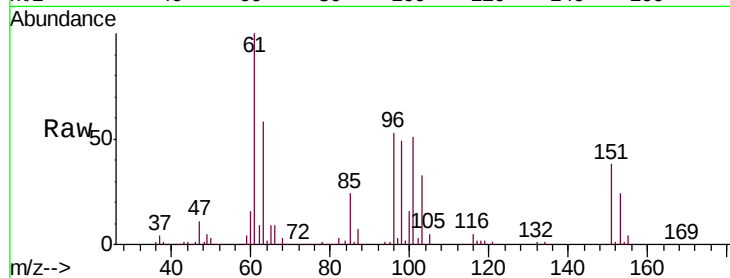
Tgt Ion: 101 Resp: 135030

Ion Ratio Lower Upper

101 100

85 45.0 36.8 55.2

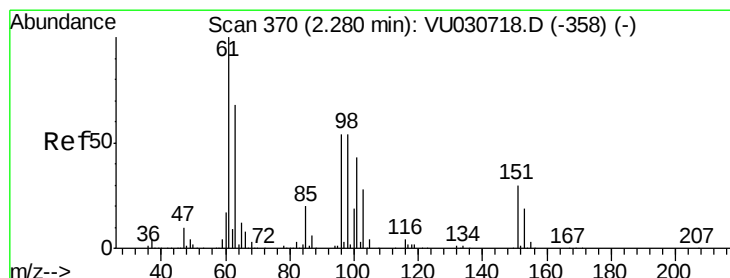
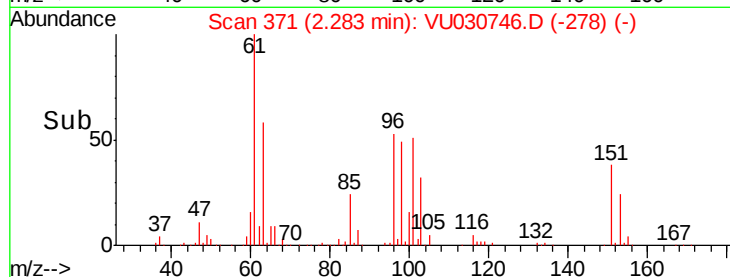
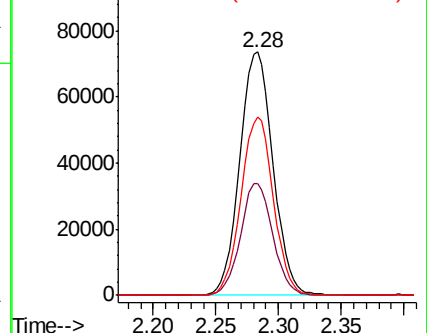
151 71.8 57.4 86.0



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: 49.730 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

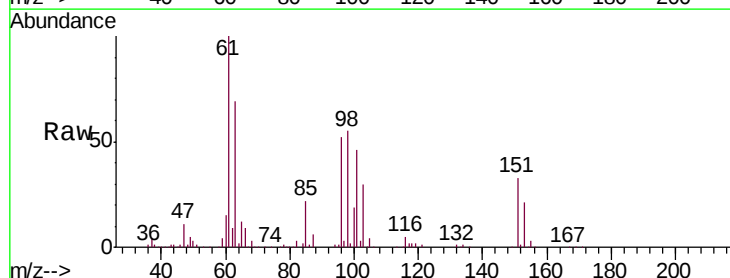
Tgt Ion: 96 Resp: 126932

Ion Ratio Lower Upper

96 100

61 194.2 132.0 245.2

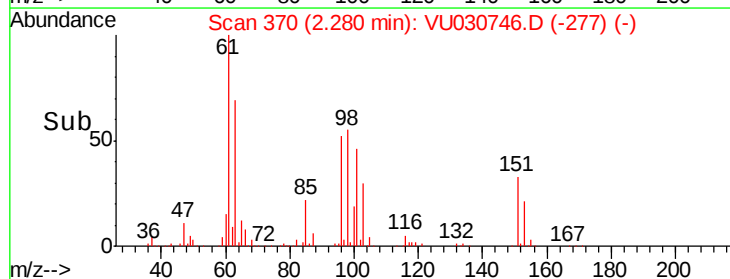
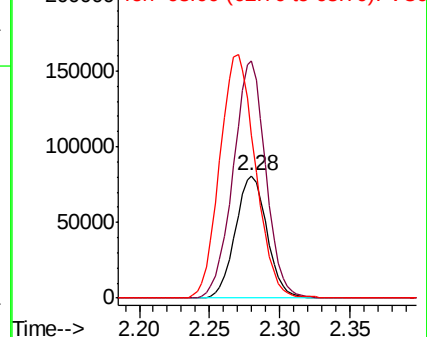
63 133.4 90.9 168.9

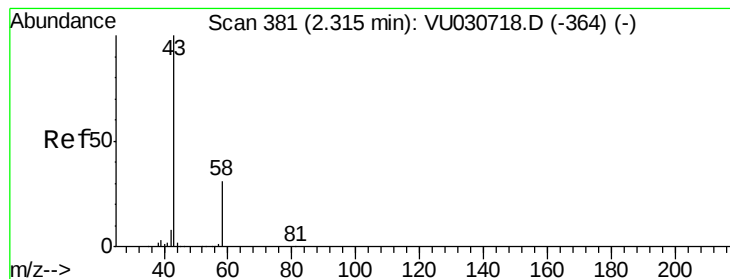


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 108.918 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

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ClientSampleId :

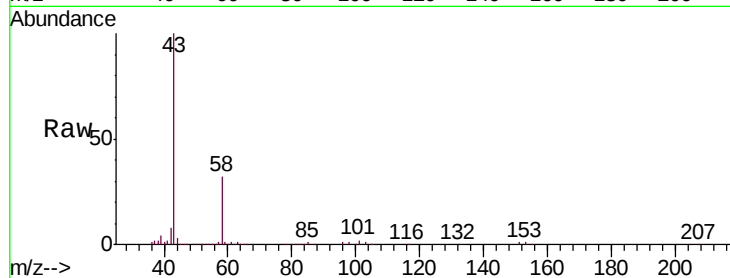
VSTD05051

Tgt Ion: 43 Resp: 291160

Ion Ratio Lower Upper

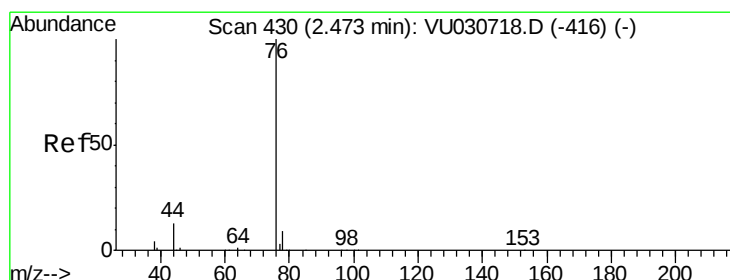
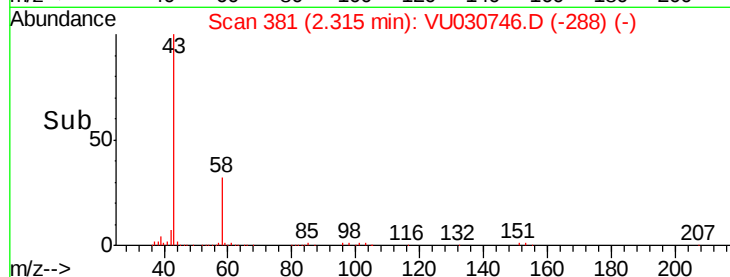
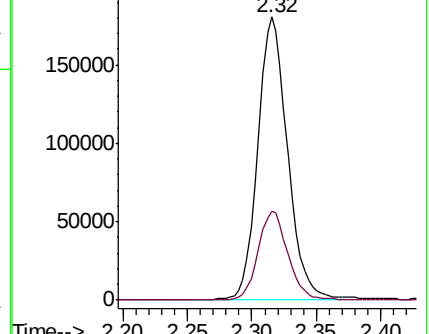
43 100

58 31.6 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU030746.D (-364) (-)

Ion 58.00 (57.70 to 58.70): VU030746.D (-364) (-)



#14

Carbon disulfide

Concen: 49.098 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

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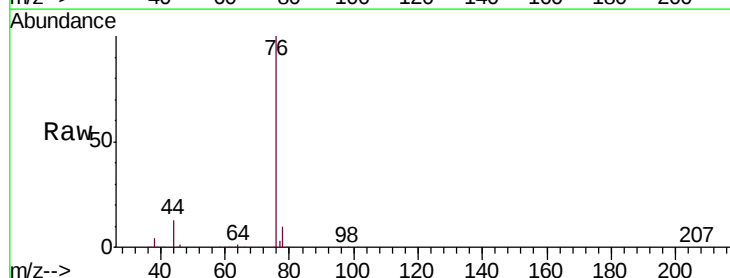
Acq: 05 Apr 2019 17:22

Tgt Ion: 76 Resp: 389303

Ion Ratio Lower Upper

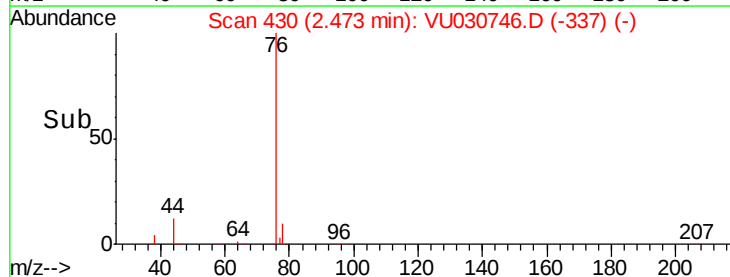
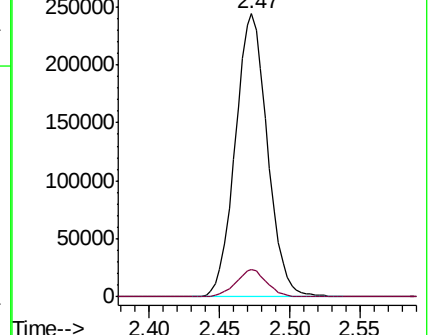
76 100

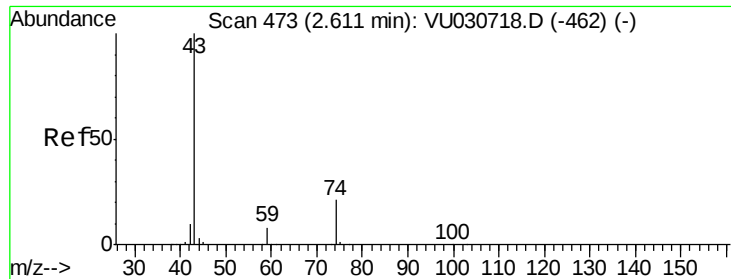
78 9.7 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VU030746.D (-337) (-)

Ion 78.00 (77.70 to 78.70): VU030746.D (-337) (-)

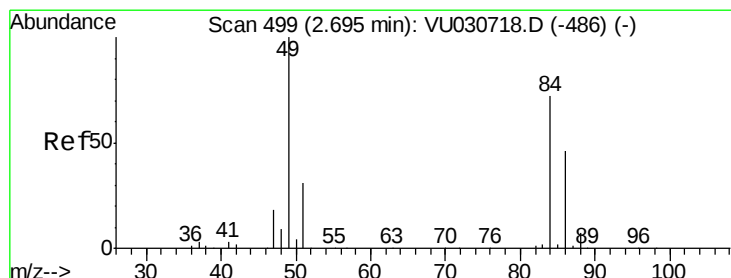
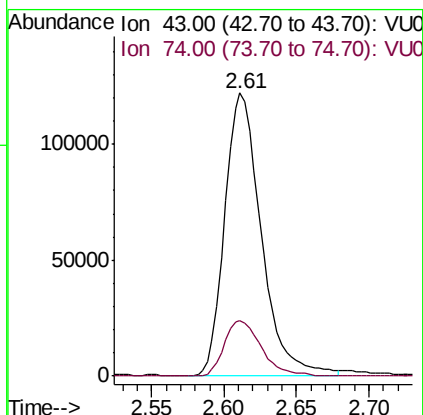
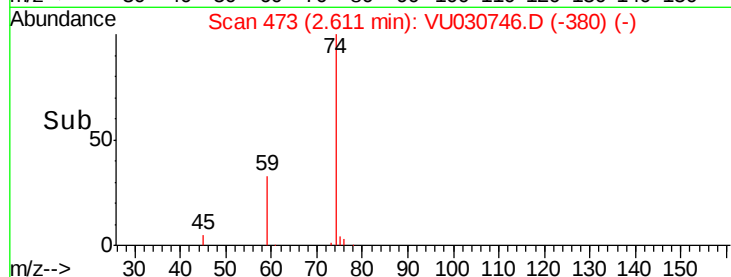
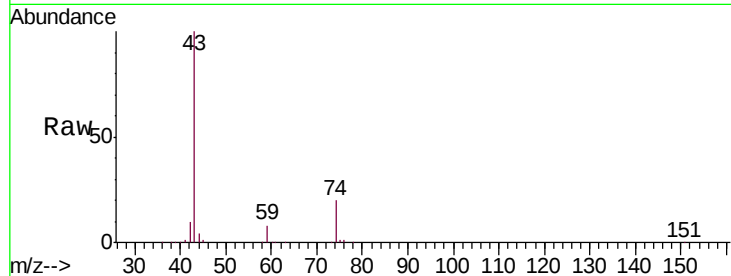




#15
Methyl Acetate
Concen: 51.148 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU030746.D
Acq: 05 Apr 2019 17:22

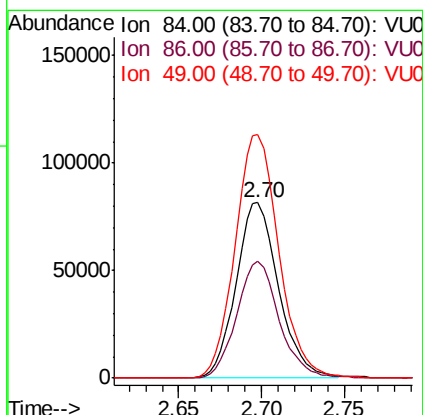
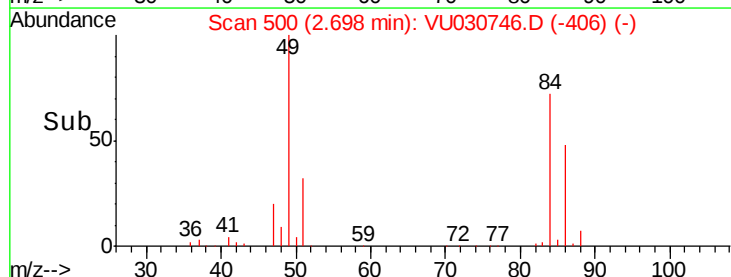
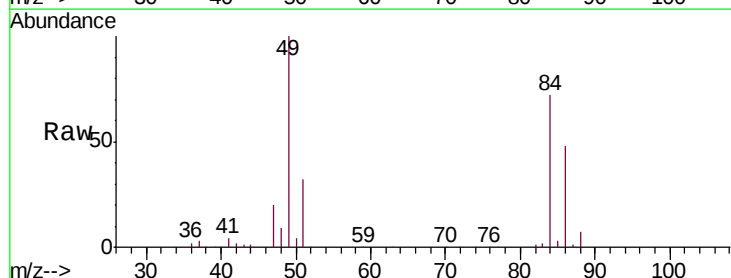
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

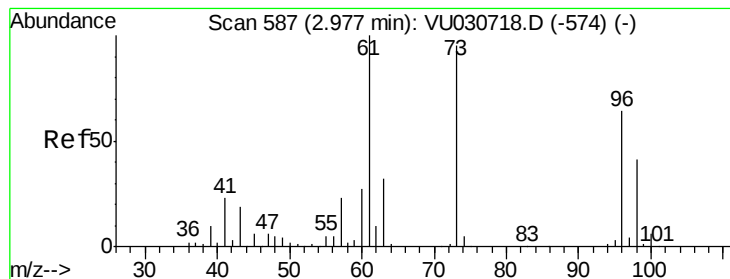
Tgt Ion: 43 Resp: 211994
Ion Ratio Lower Upper
43 100
74 20.1 17.1 25.7



#16
Methylene chloride
Concen: 47.012 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU030746.D
Acq: 05 Apr 2019 17:22

Tgt Ion: 84 Resp: 145767
Ion Ratio Lower Upper
84 100
86 66.3 45.1 83.7
49 138.9 96.5 179.1





#17

trans-1,2-Dichloroethene

Concen: 47.603 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

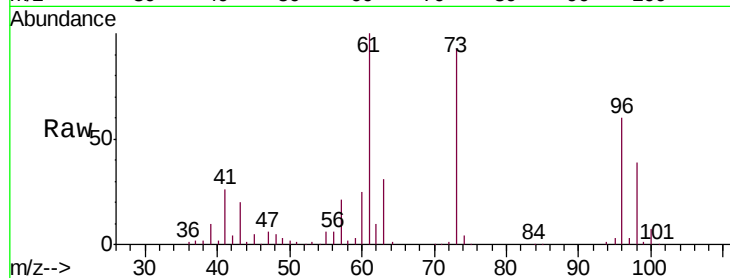
Tgt Ion: 96 Resp: 129008

Ion Ratio Lower Upper

96 100

61 166.0 109.5 203.3

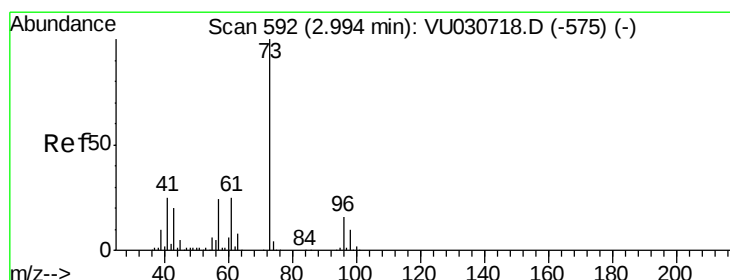
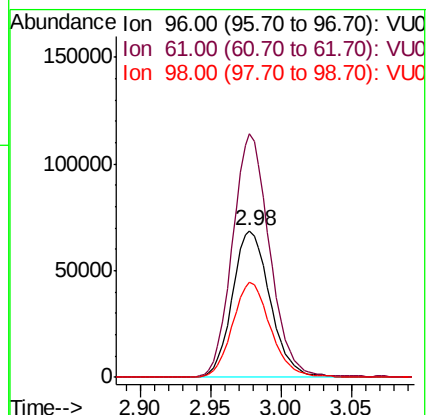
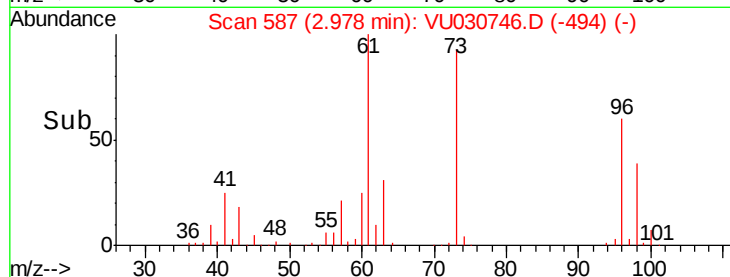
98 64.6 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU030746.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU030746.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU030746.D (-494) (-)



#18

Methyl tert-butyl Ether

Concen: 48.270 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

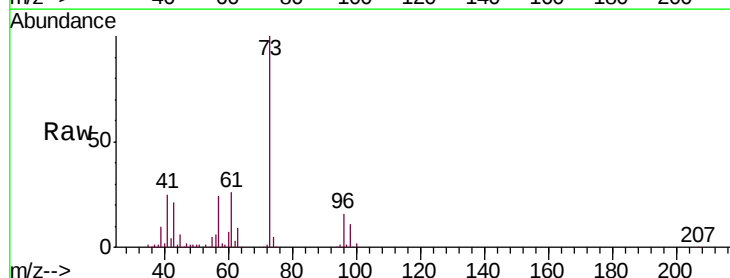
Tgt Ion: 73 Resp: 438203

Ion Ratio Lower Upper

73 100

43 20.7 16.4 24.6

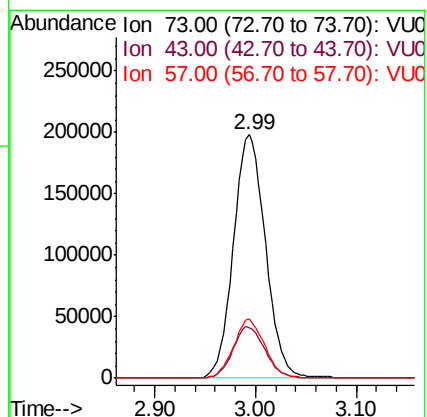
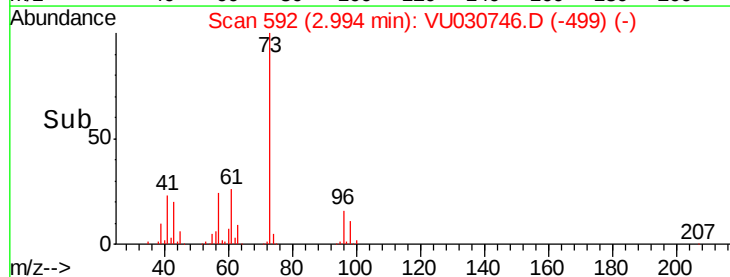
57 23.4 19.0 28.4

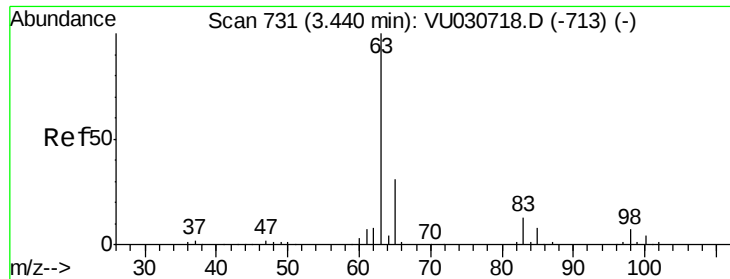


Abundance Ion 73.00 (72.70 to 73.70): VU030746.D (-499) (-)

Ion 43.00 (42.70 to 43.70): VU030746.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU030746.D (-499) (-)

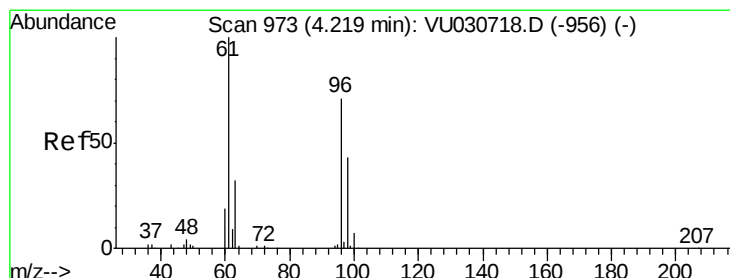
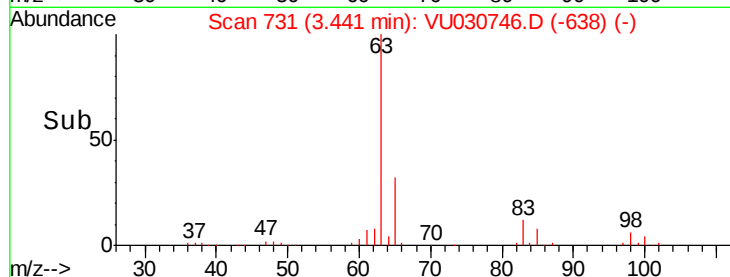
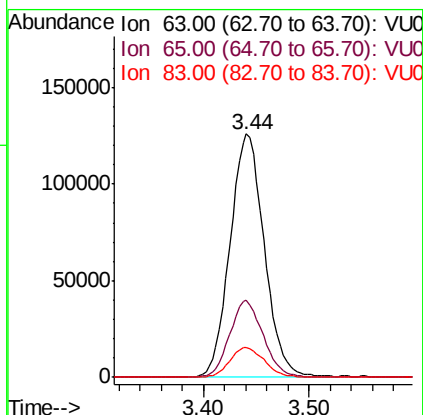
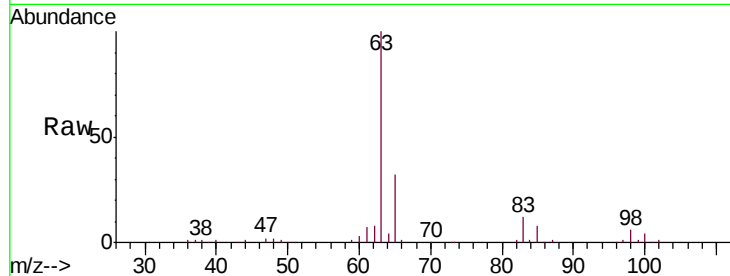




#19
 1,1-Dichloroethane
 Concen: 50.734 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU030746.D
 Acq: 05 Apr 2019 17:22

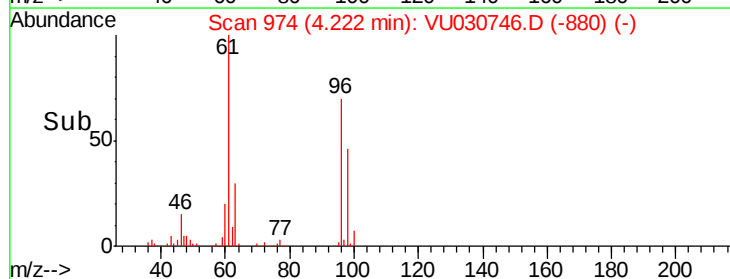
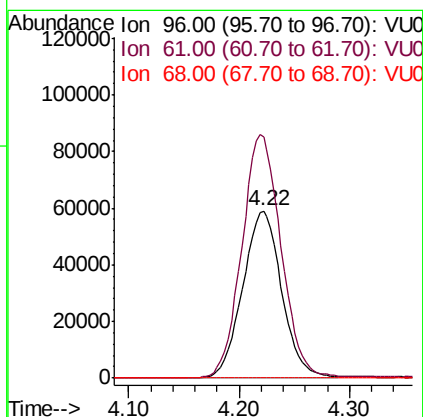
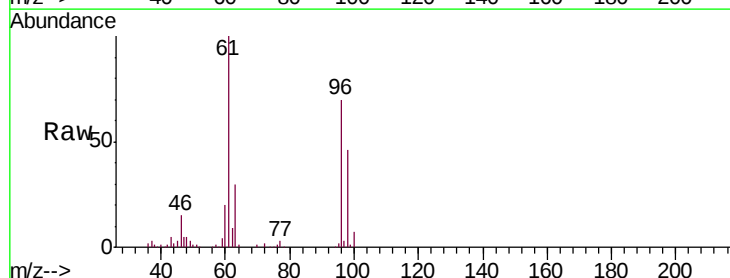
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

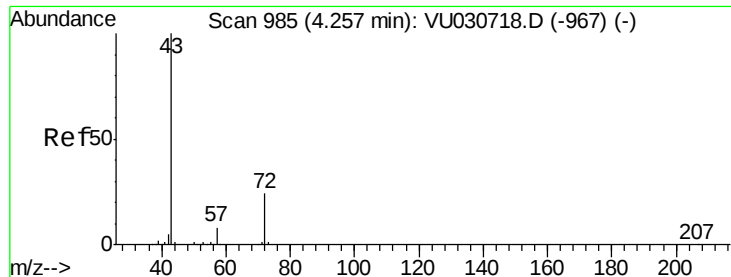
Tgt Ion: 63 Resp: 283748
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.4 39.8
 83 12.4 8.5 15.7



#20
 cis-1,2-Dichloroethene
 Concen: 48.315 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU030746.D
 Acq: 05 Apr 2019 17:22

Tgt Ion: 96 Resp: 144577
 Ion Ratio Lower Upper
 96 100
 61 143.8 102.9 191.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 108.712 ug/L

RT: 4.25 min Scan# 984

Delta R.T. -0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

Instrument :

MSVOA_U

ClientSampled :

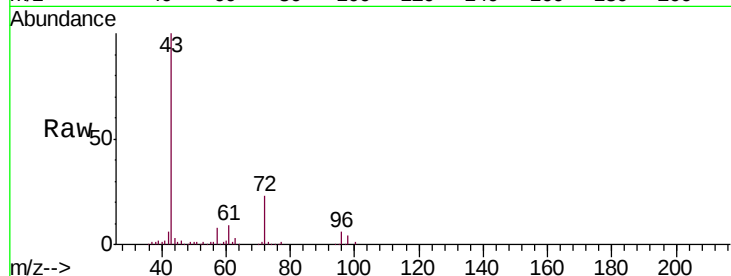
VSTD05051

Tgt Ion: 43 Resp: 340731

Ion Ratio Lower Upper

43 100

72 23.9 10.8 32.4



Abundance Ion 43.00 (42.70 to 43.70): VU030746.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU030746.D (-967) (-)

4.25

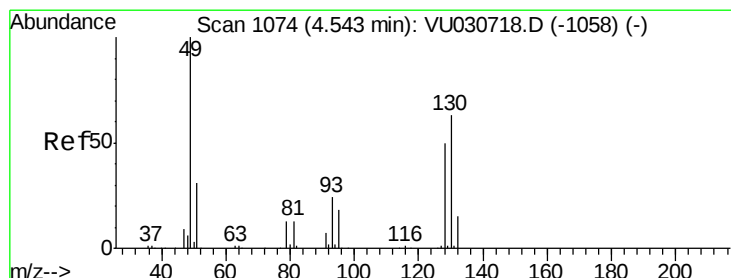
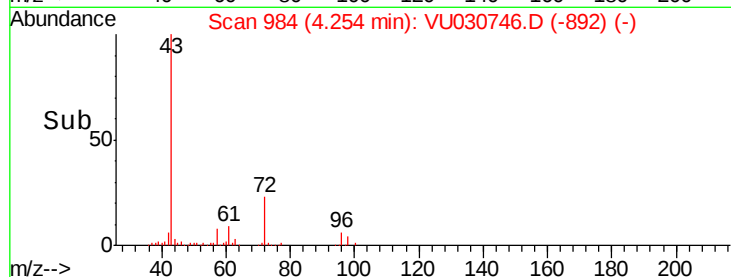
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 49.408 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

Tgt Ion: 128 Resp: 69897

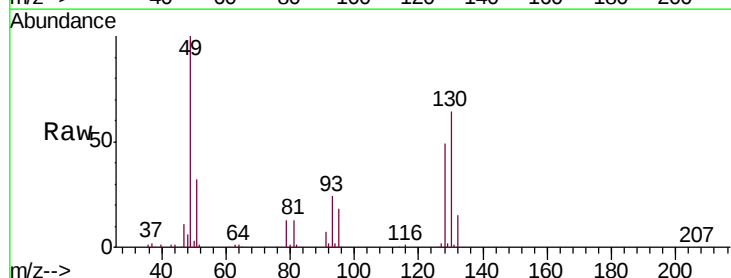
Ion Ratio Lower Upper

128 100

49 204.0 139.9 259.7

130 130.6 86.6 160.8

51 65.4 52.2 78.4



Abundance Ion 128.00 (127.70 to 128.70): VU030746.D (-981) (-)

Ion 49.00 (48.70 to 49.70): VU030746.D (-981) (-)

Ion 130.00 (129.70 to 130.70): VU030746.D (-981) (-)

Ion 51.00 (50.70 to 51.70): VU030746.D (-981) (-)

80000

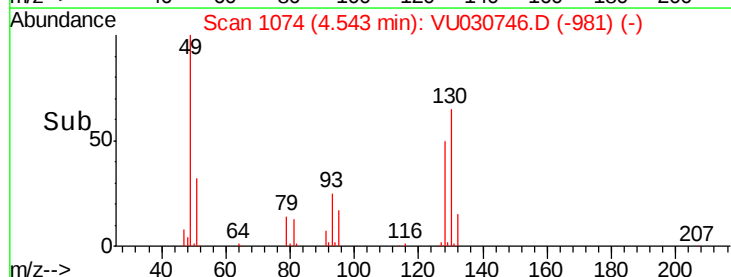
60000

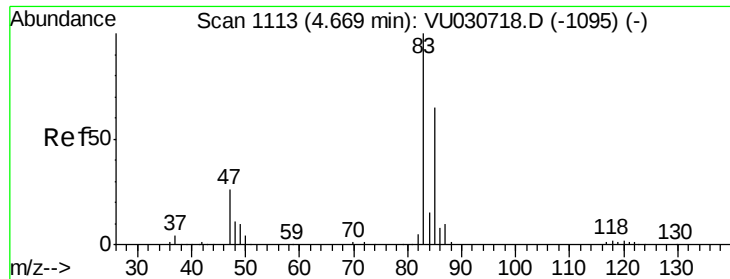
40000

20000

0

Time-->

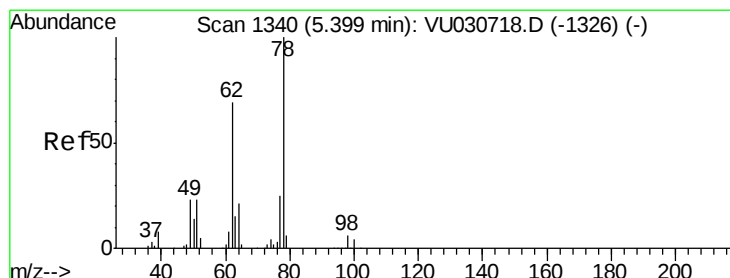
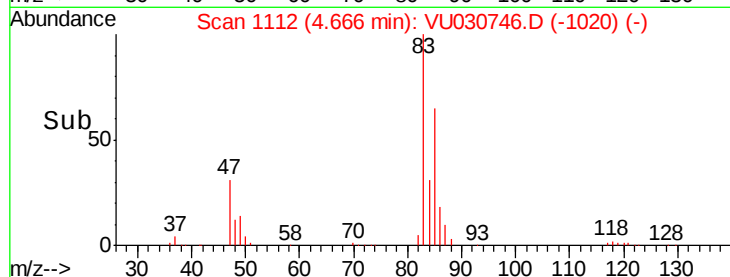
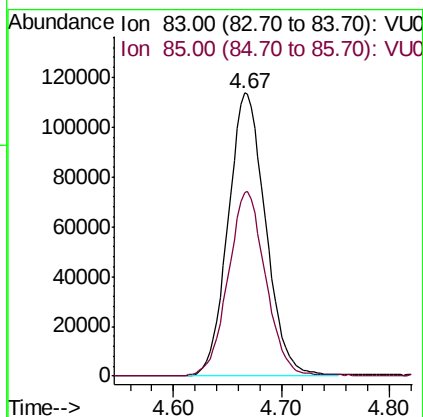
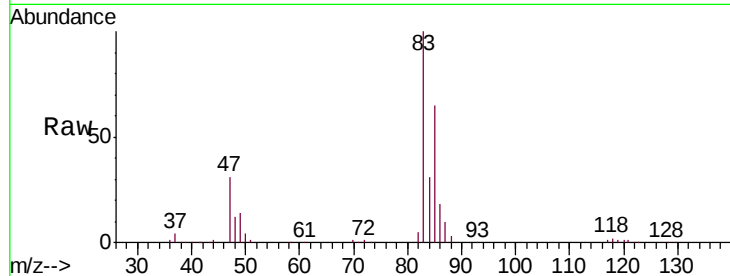




#25
Chloroform
Concen: 48.970 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU030746.D
Acq: 05 Apr 2019 17:22

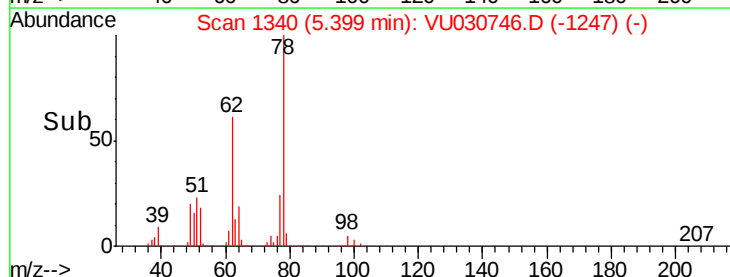
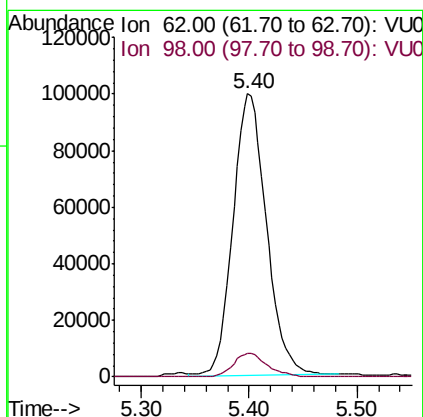
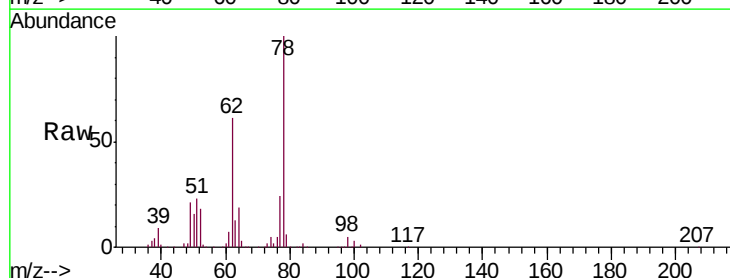
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

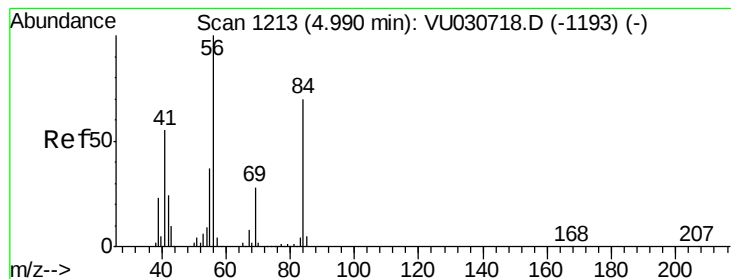
Tgt Ion: 83 Resp: 275269
Ion Ratio Lower Upper
83 100
85 64.9 45.8 85.0



#27
1,2-Dichloroethane
Concen: 50.291 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU030746.D
Acq: 05 Apr 2019 17:22

Tgt Ion: 62 Resp: 215760
Ion Ratio Lower Upper
62 100
98 8.2 7.2 10.8





#29

Cyclohexane

Concen: 48.928 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

Instrument :

MSVOA_U

ClientSampled :

VSTD05051

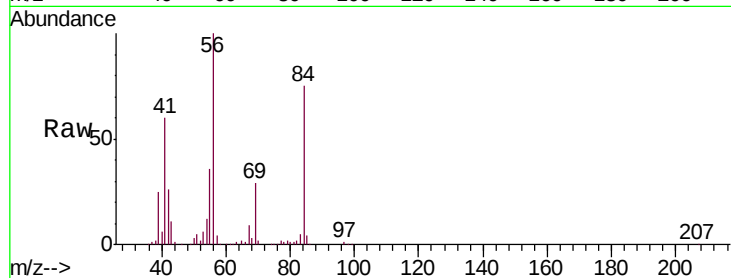
Tgt Ion: 56 Resp: 246799

Ion Ratio Lower Upper

56 100

69 28.5 22.0 33.0

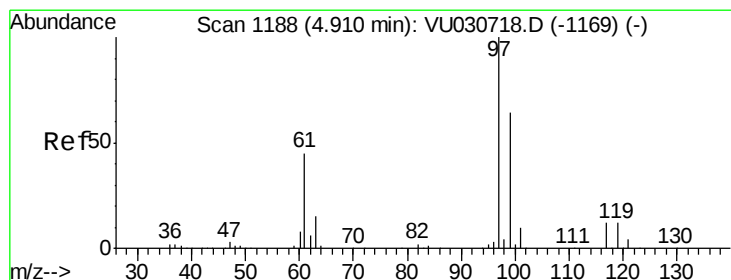
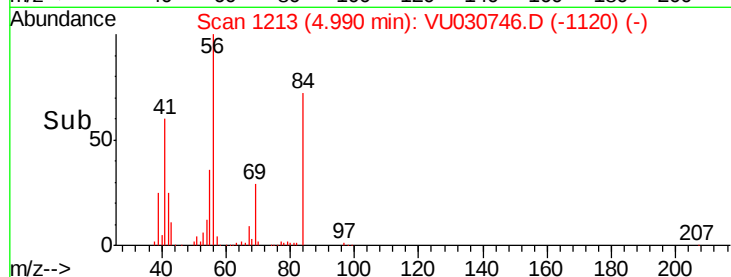
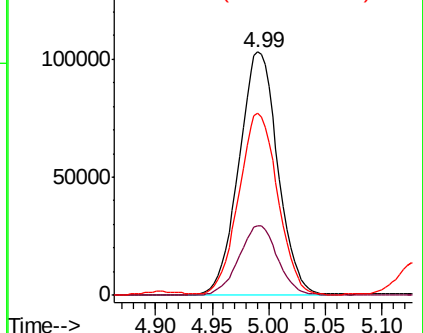
84 74.5 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VU030718.D (-1193) (-)

Ion 69.00 (68.70 to 69.70): VU030718.D (-1193) (-)

Ion 84.00 (83.70 to 84.70): VU030718.D (-1193) (-)



#30

1,1,1-Trichloroethane

Concen: 50.541 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

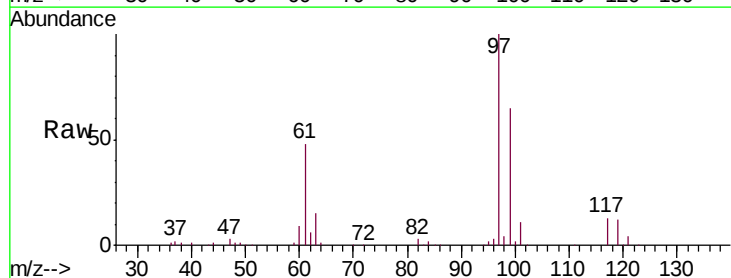
Tgt Ion: 97 Resp: 217981

Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.2

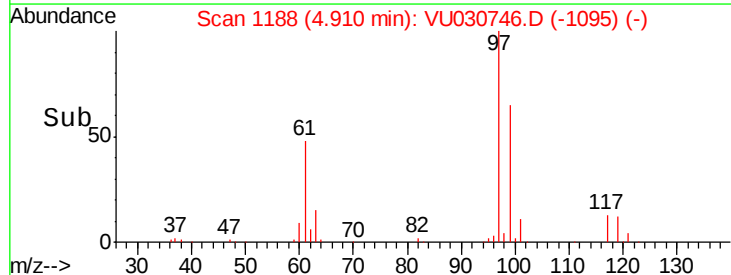
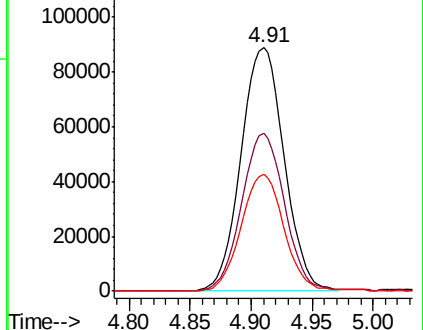
61 47.5 37.1 55.7

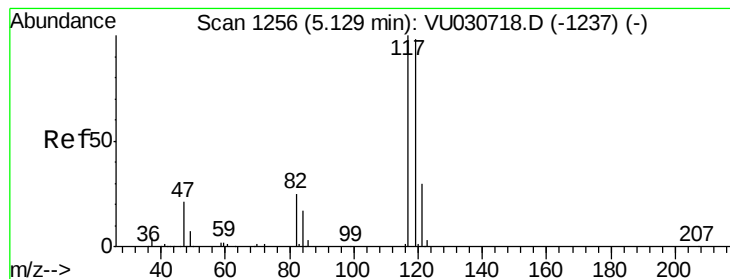


Abundance Ion 97.00 (96.70 to 97.70): VU030718.D (-1169) (-)

Ion 99.00 (98.70 to 99.70): VU030718.D (-1169) (-)

Ion 61.05 (60.75 to 61.75): VU030718.D (-1169) (-)





#31

Carbon tetrachloride

Concen: 50.391 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

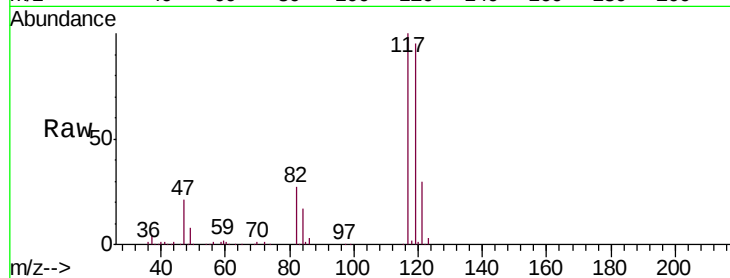
VSTD05051

Tgt Ion:117 Resp: 187288

Ion Ratio Lower Upper

117 100

119 95.3 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.13

80000

60000

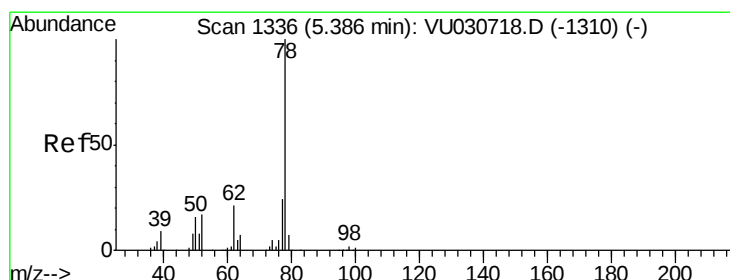
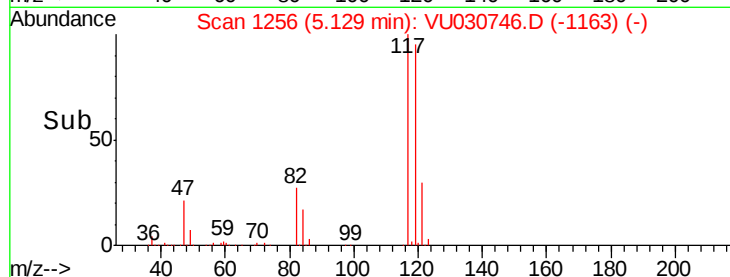
40000

20000

0

Time-->

5.05 5.10 5.15 5.20



#33

Benzene

Concen: 51.170 ug/L

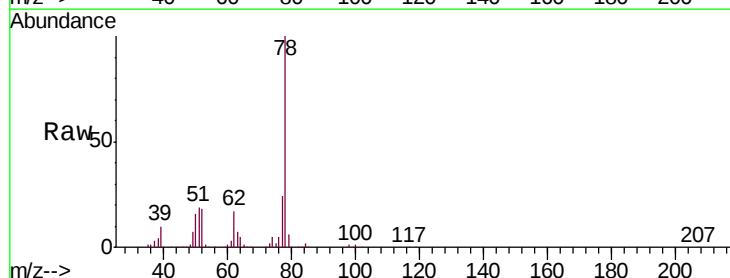
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

Tgt Ion: 78 Resp: 592605



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.38

300000

250000

200000

150000

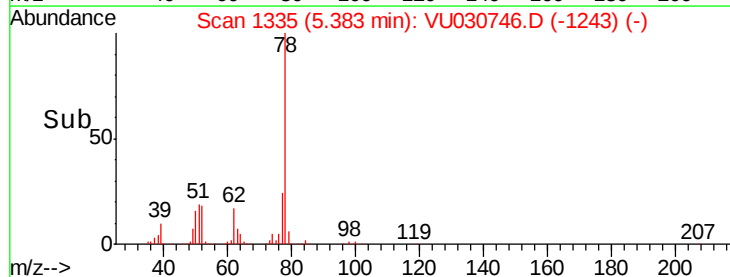
100000

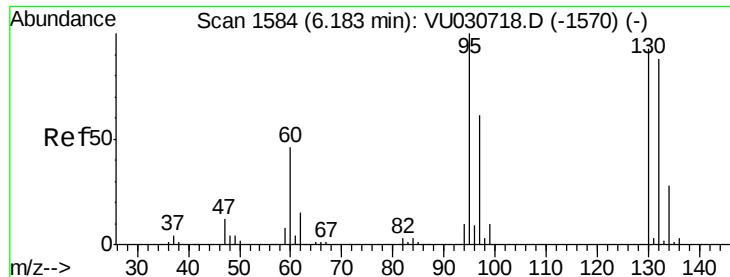
50000

0

Time-->

5.30 5.40 5.50





#34

Trichloroethene

Concen: 50.853 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

Tgt Ion: 95 Resp: 144447

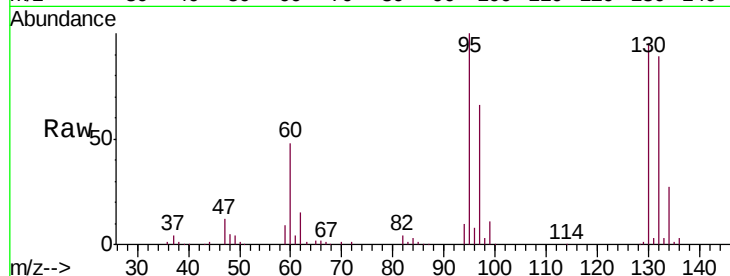
Ion Ratio Lower Upper

95 100

97 65.6 44.5 82.7

132 89.2 61.5 114.1

130 95.1 64.9 120.5

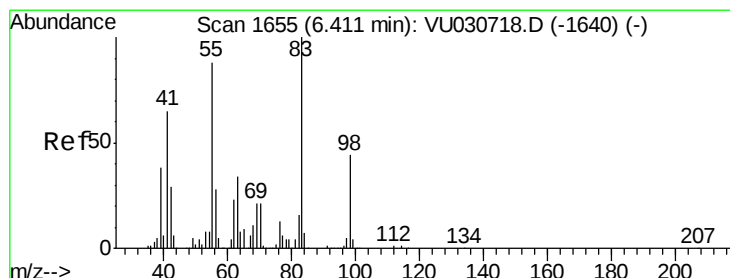
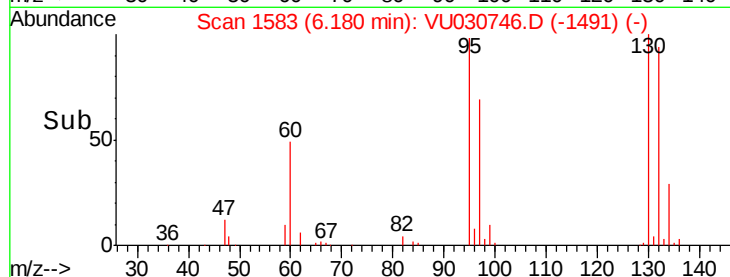
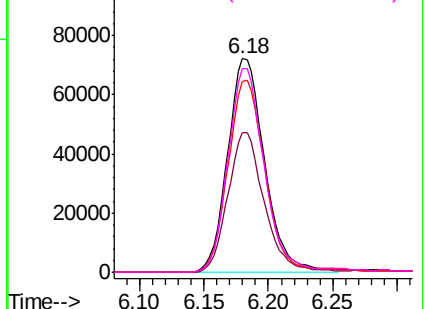


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 51.238 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

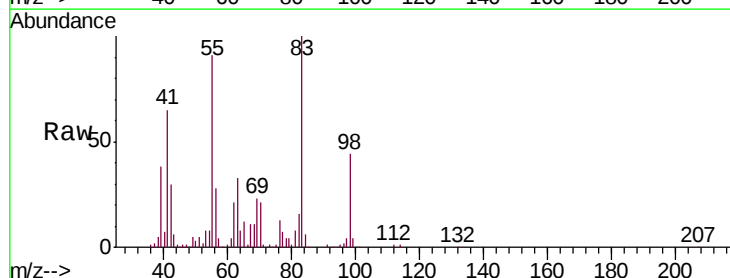
Tgt Ion: 83 Resp: 224608

Ion Ratio Lower Upper

83 100

55 91.5 71.6 107.4

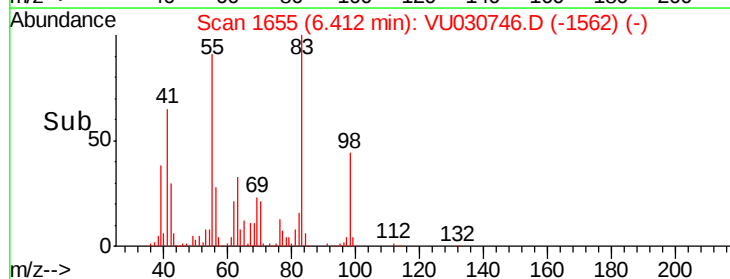
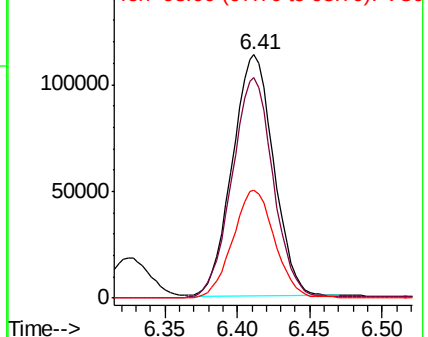
98 45.0 35.4 53.0

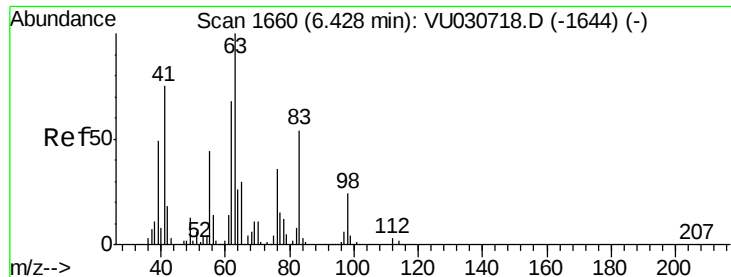


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

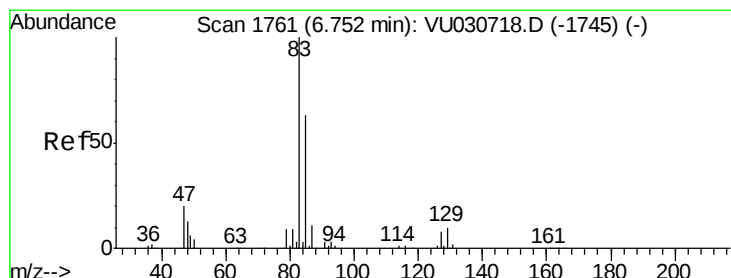
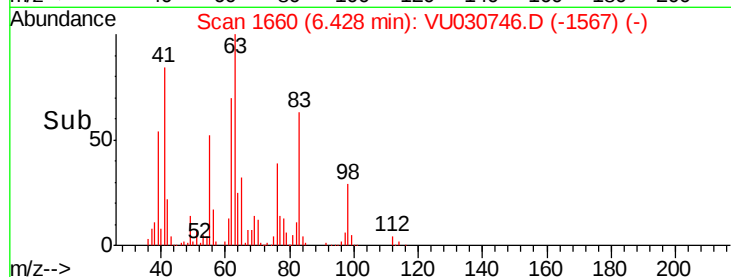
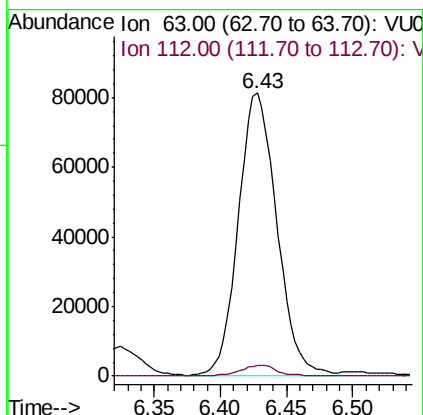
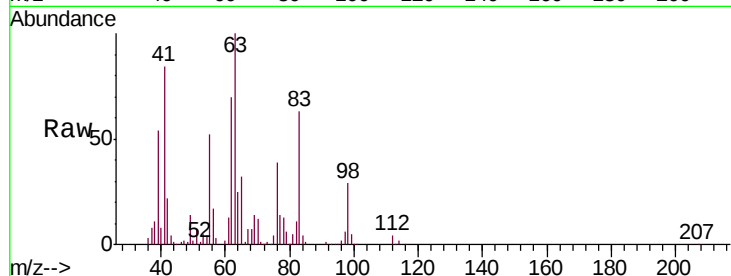




#37
 1,2-Dichloropropane
 Concen: 49.763 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU030746.D
 Acq: 05 Apr 2019 17:22

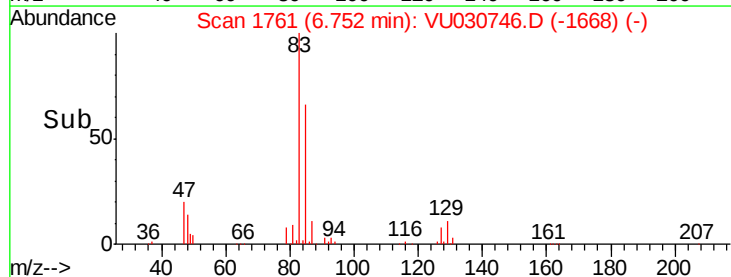
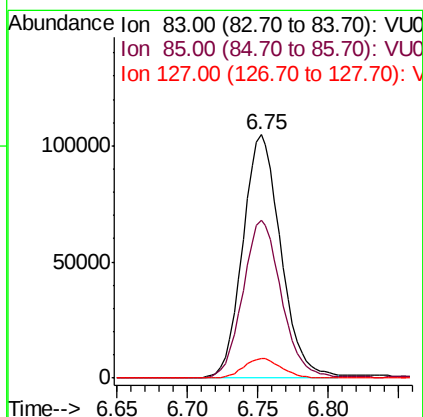
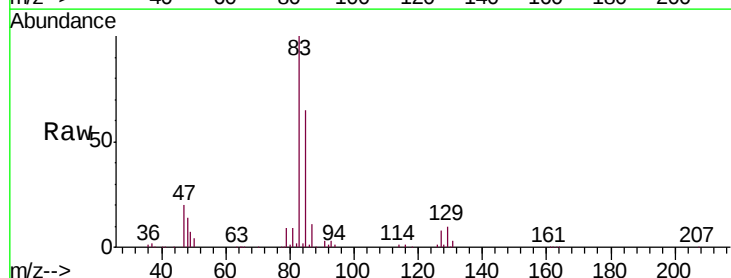
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

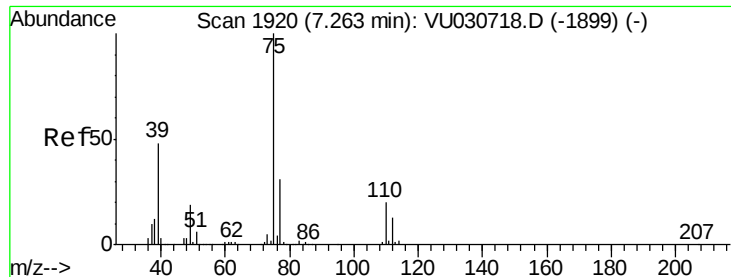
Tgt Ion: 63 Resp: 163191
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.4



#38
 Bromodichloromethane
 Concen: 50.139 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU030746.D
 Acq: 05 Apr 2019 17:22

Tgt Ion: 83 Resp: 198355
 Ion Ratio Lower Upper
 83 100
 85 65.1 46.5 86.3
 127 8.0 6.6 10.0

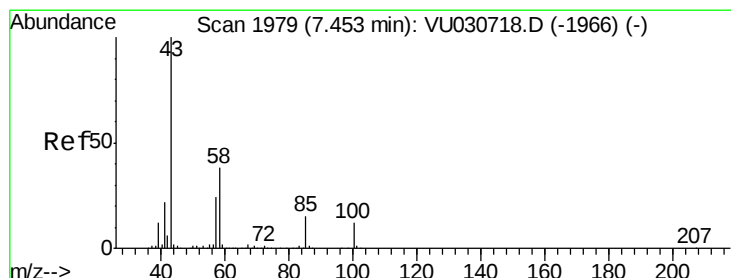
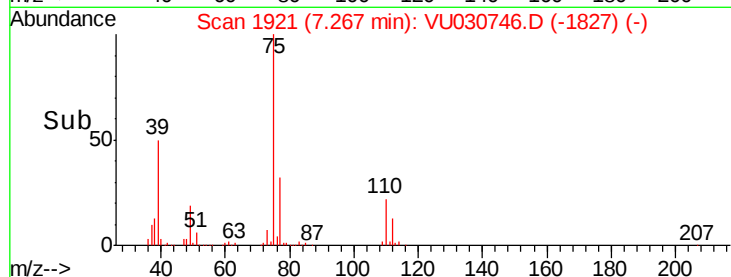
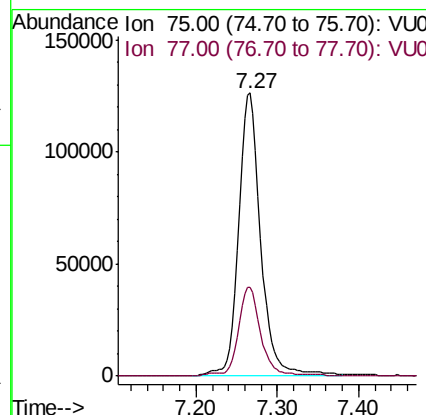
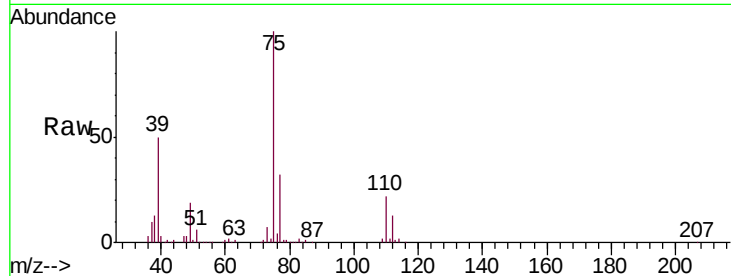




#39
 cis-1,3-Dichloropropene
 Concen: 51.623 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU030746.D
 Acq: 05 Apr 2019 17:22

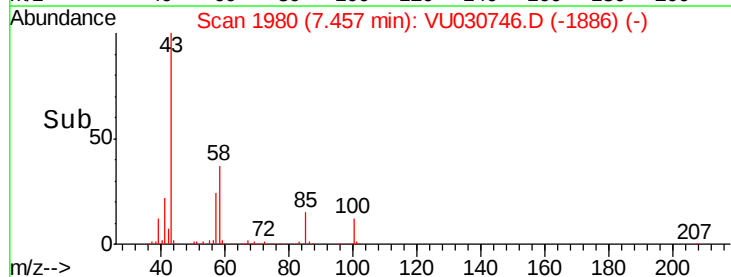
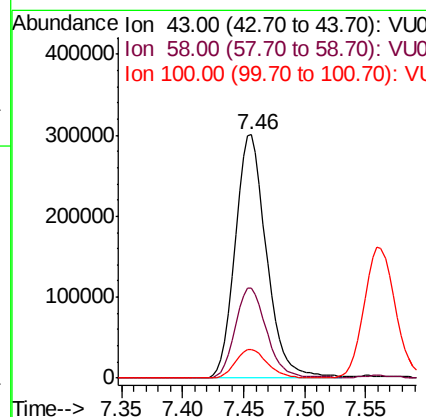
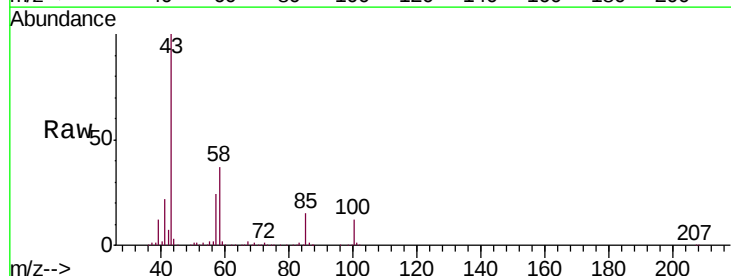
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

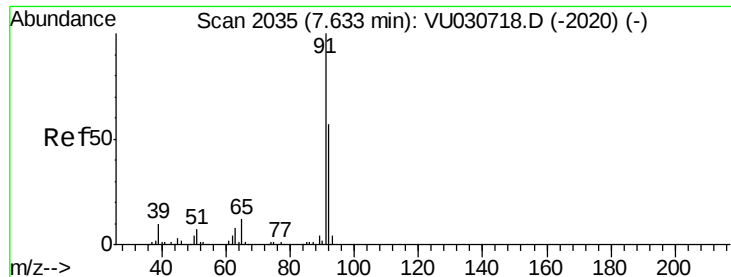
Tgt Ion: 75 Resp: 240959
 Ion Ratio Lower Upper
 75 100
 77 31.5 23.1 42.9



#40
 4-Methyl-2-pentanone
 Concen: 101.861 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU030746.D
 Acq: 05 Apr 2019 17:22

Tgt Ion: 43 Resp: 537163
 Ion Ratio Lower Upper
 43 100
 58 37.4 29.7 44.5
 100 12.1 9.8 14.6





#42

Toluene

Concen: 50.586 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

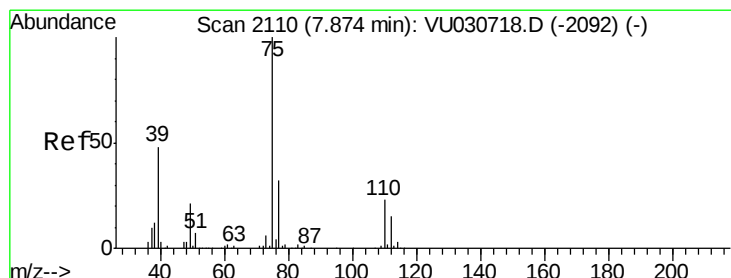
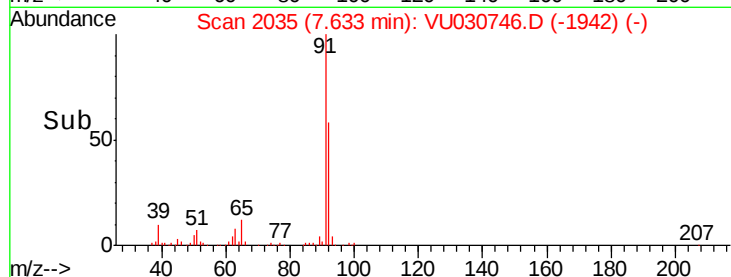
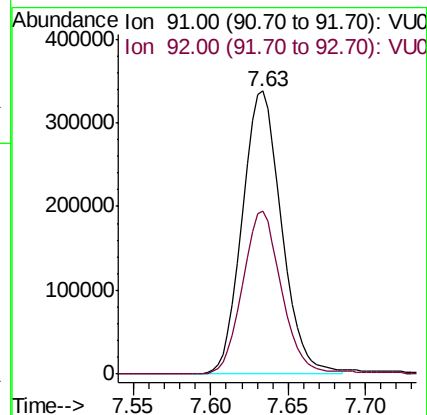
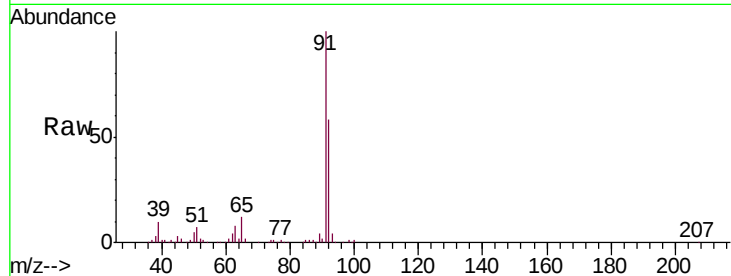
VSTD05051

Tgt Ion: 91 Resp: 598015

Ion Ratio Lower Upper

91 100

92 57.8 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 52.474 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU030746.D

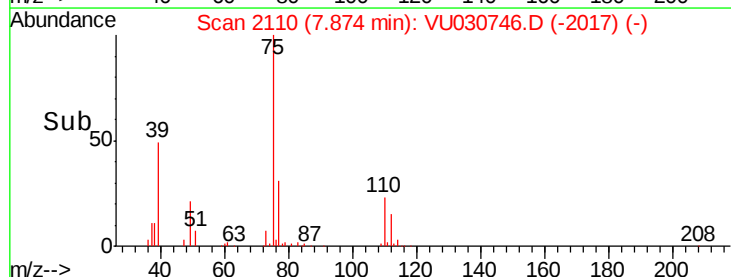
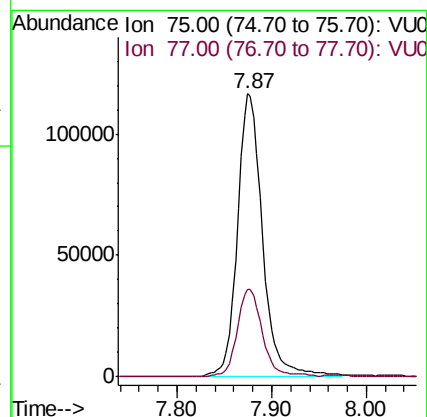
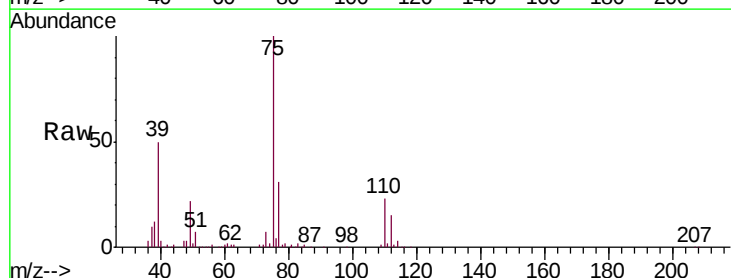
Acq: 05 Apr 2019 17:22

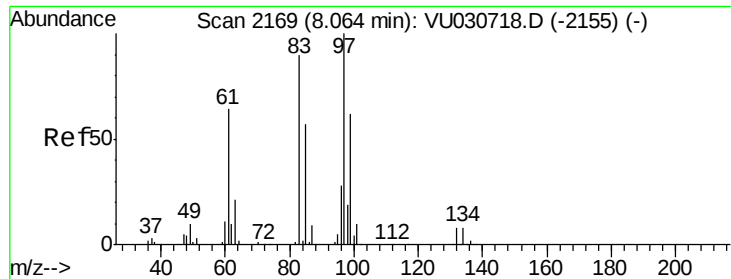
Tgt Ion: 75 Resp: 215849

Ion Ratio Lower Upper

75 100

77 31.1 21.6 40.0

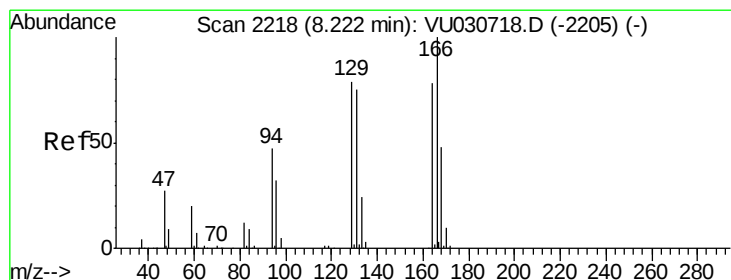
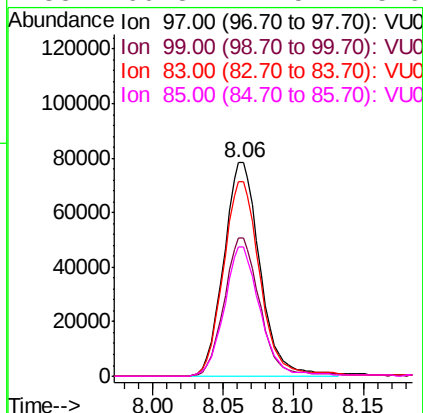
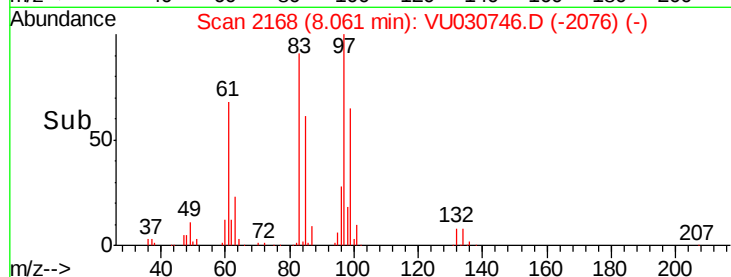
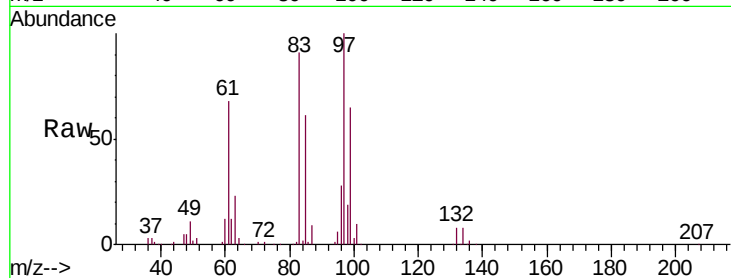




#45
 1,1,2-Trichloroethane
 Concen: 50.695 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU030746.D
 Acq: 05 Apr 2019 17:22

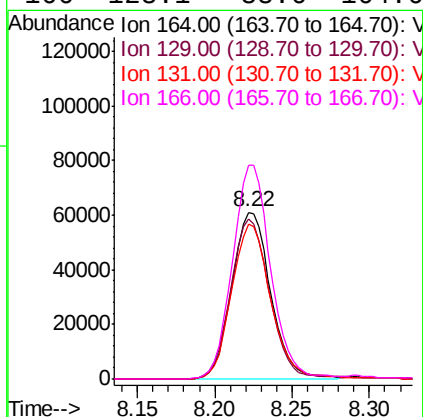
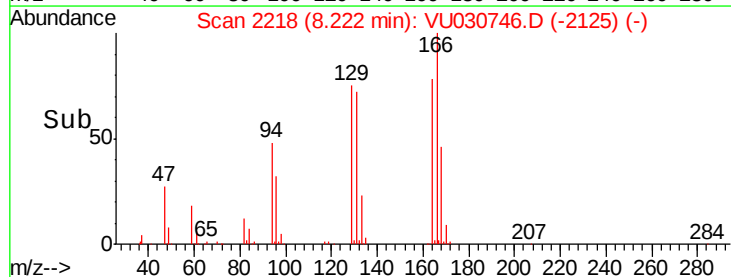
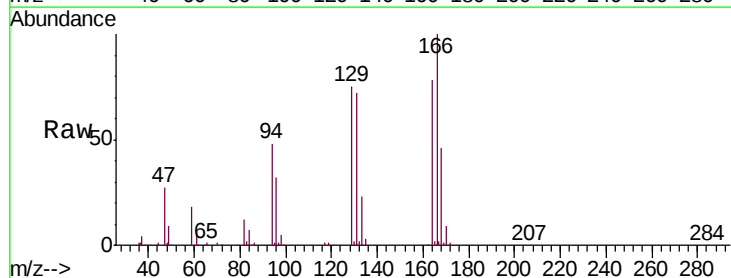
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

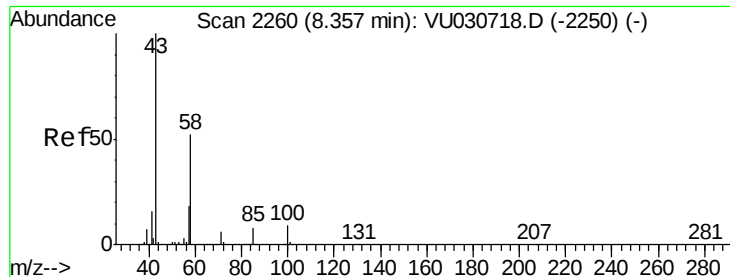
Tgt Ion:	97	Resp:	140994
Ion	Ratio	Lower	Upper
97	100		
99	64.7	44.0	81.8
83	91.0	65.3	121.3
85	60.8	42.5	78.9



#46
 Tetrachloroethene
 Concen: 51.396 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU030746.D
 Acq: 05 Apr 2019 17:22

Tgt Ion:	164	Resp:	106139
Ion	Ratio	Lower	Upper
164	100		
129	95.6	67.4	125.2
131	92.8	65.9	122.5
166	128.1	88.6	164.6

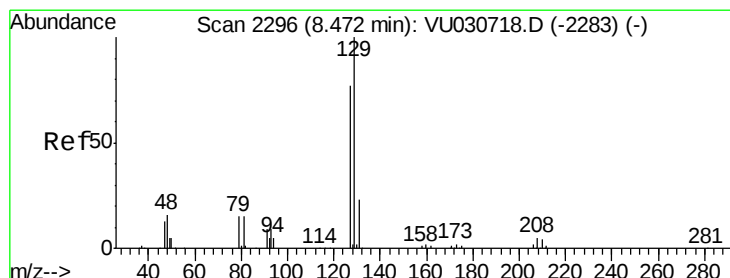
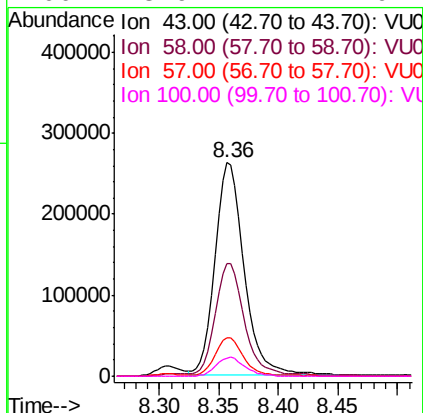
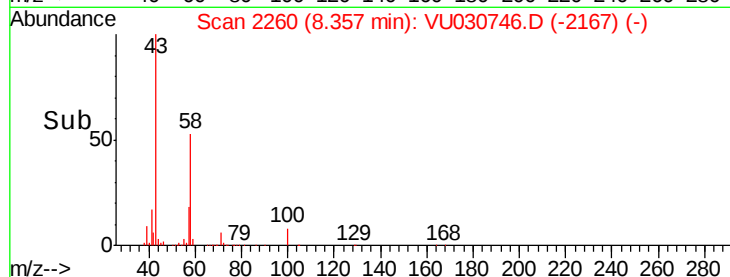
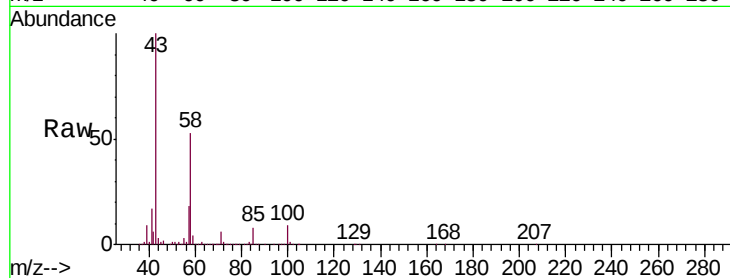




#48
2-Hexanone
Concen: 108.042 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU030746.D
Acq: 05 Apr 2019 17:22

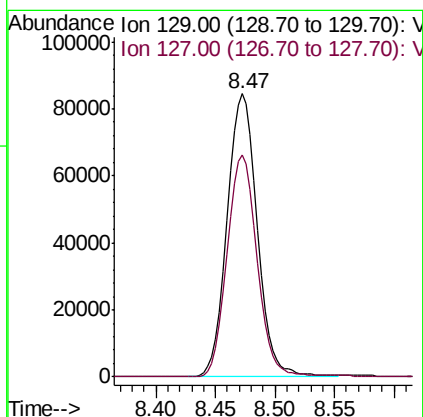
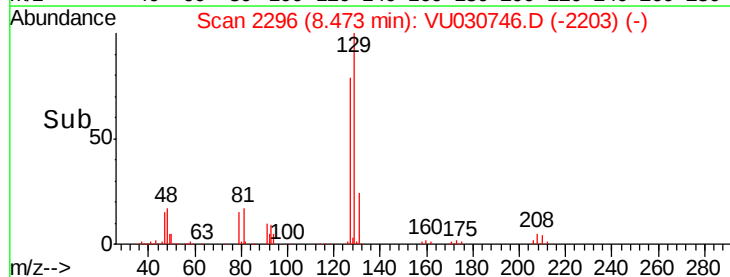
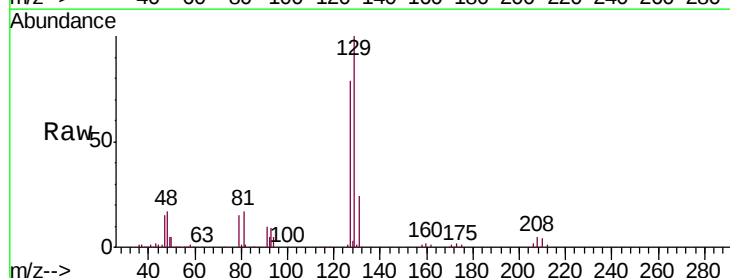
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

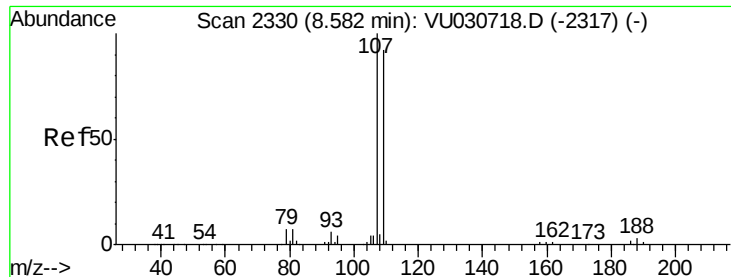
Tgt Ion:	43	Resp:	444516
Ion	Ratio	Lower	Upper
43	100		
58	53.1	41.9	62.9
57	17.5	14.3	21.5
100	8.9	7.1	10.7



#49
Dibromochloromethane
Concen: 50.470 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030746.D
Acq: 05 Apr 2019 17:22

Tgt Ion:	129	Resp:	148946
Ion	Ratio	Lower	Upper
129	100		
127	78.6	54.5	101.3

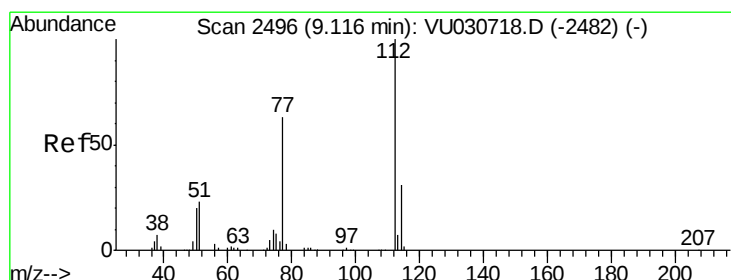
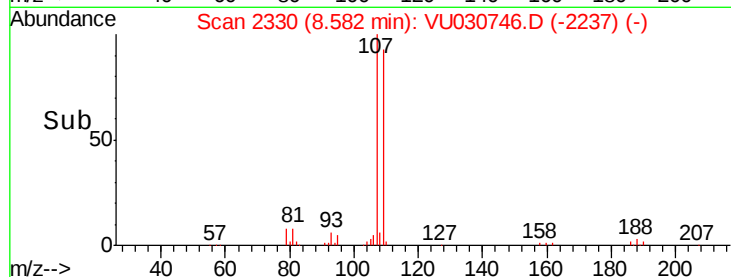
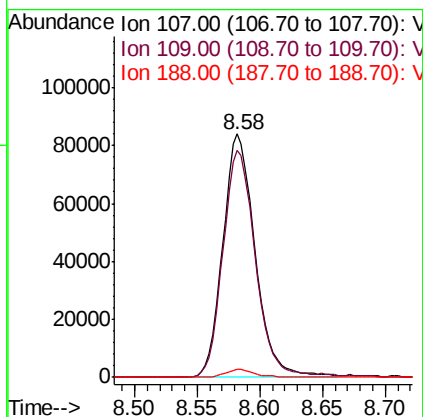
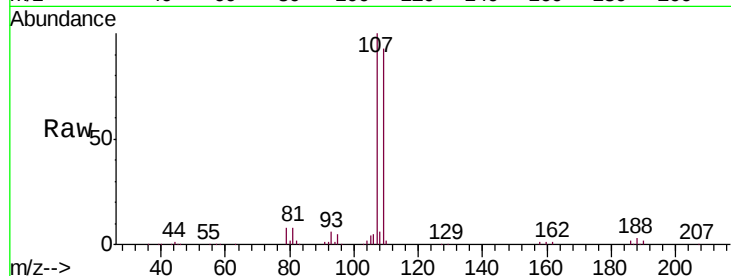




#50
 1,2-Dibromoethane
 Concen: 49.741 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU030746.D
 Acq: 05 Apr 2019 17:22

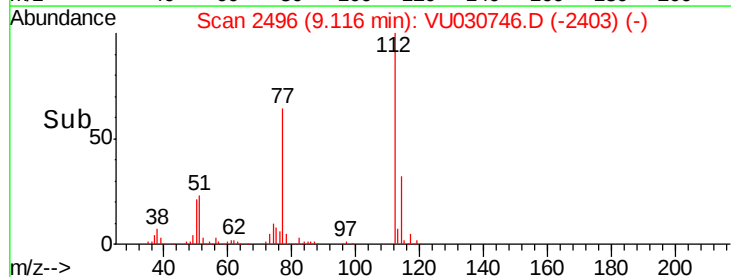
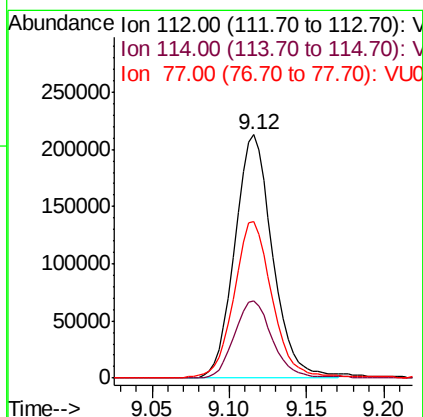
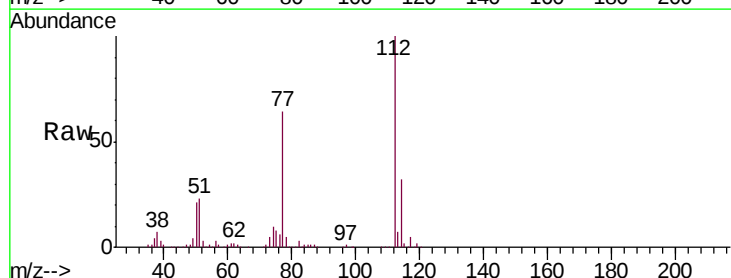
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

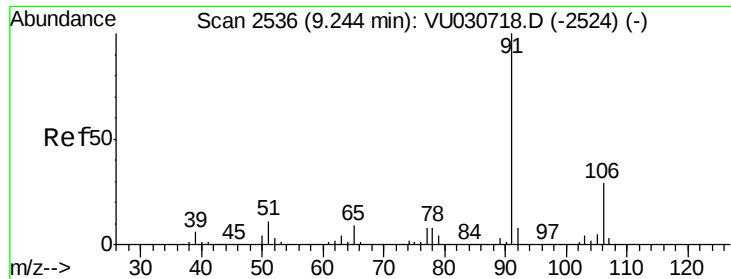
Tgt Ion:107 Resp: 149698
 Ion Ratio Lower Upper
 107 100
 109 93.3 66.4 123.2
 188 3.2 2.6 4.0



#51
 Chlorobenzene
 Concen: 49.763 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: VU030746.D
 Acq: 05 Apr 2019 17:22

Tgt Ion:112 Resp: 360811
 Ion Ratio Lower Upper
 112 100
 114 31.7 22.2 41.2
 77 64.3 51.7 77.5





#52

Ethylbenzene

Concen: 50.076 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

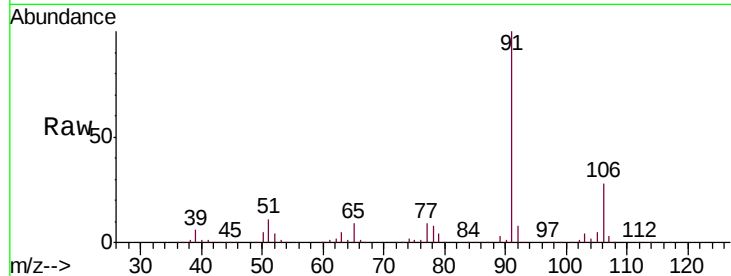
VSTD05051

Tgt Ion: 91 Resp: 645277

Ion Ratio Lower Upper

91 100

106 28.1 20.4 37.8



Abundance Ion 91.00 (90.70 to 91.70): VU030718.D (-2524) (-)

Ion 106.00 (105.70 to 106.70): VU030718.D (-2524) (-)

9.24

400000

300000

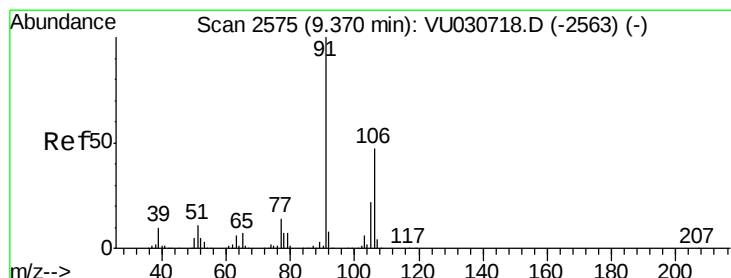
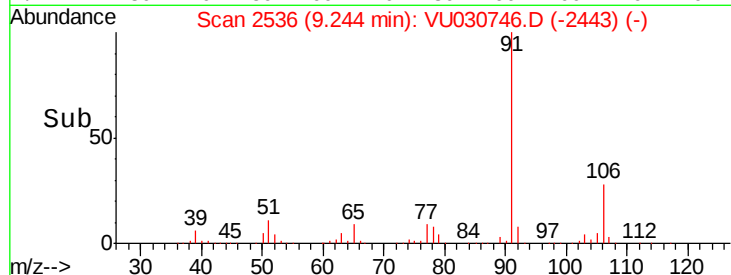
200000

100000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 51.352 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU030746.D

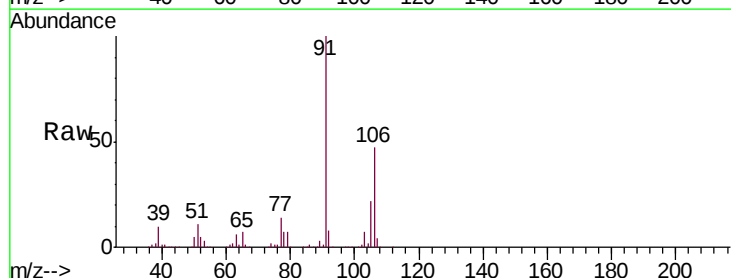
Acq: 05 Apr 2019 17:22

Tgt Ion: 106 Resp: 230787

Ion Ratio Lower Upper

106 100

91 212.0 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): VU030718.D (-2563) (-)

Ion 91.00 (90.70 to 91.70): VU030718.D (-2563) (-)

9.37

300000

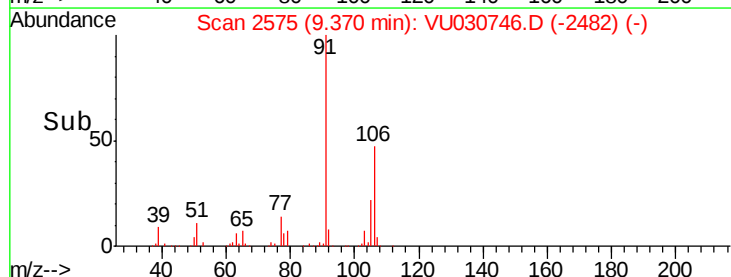
200000

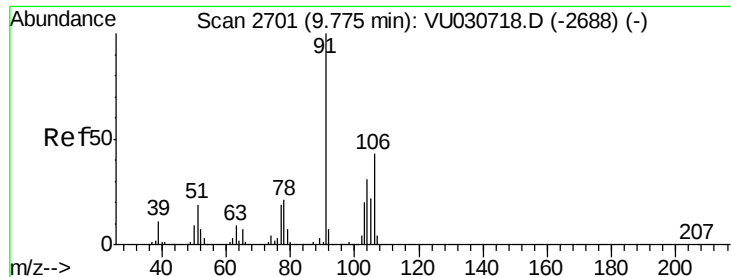
100000

0

9.30 9.40 9.50

Time-->





#54

o-xylene

Concen: 50.063 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

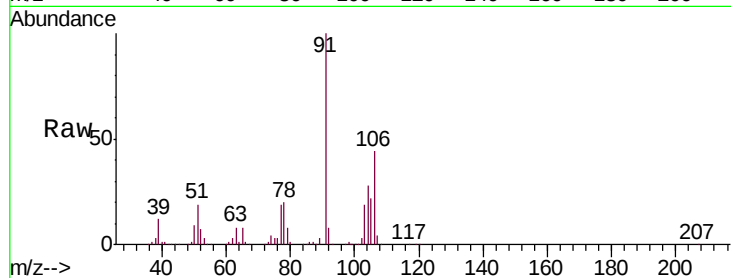
VSTD05051

Tgt Ion:106 Resp: 223798

Ion Ratio Lower Upper

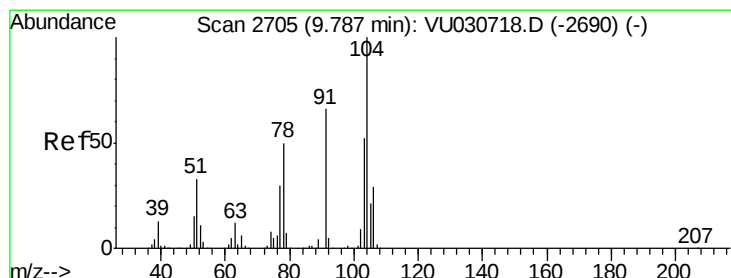
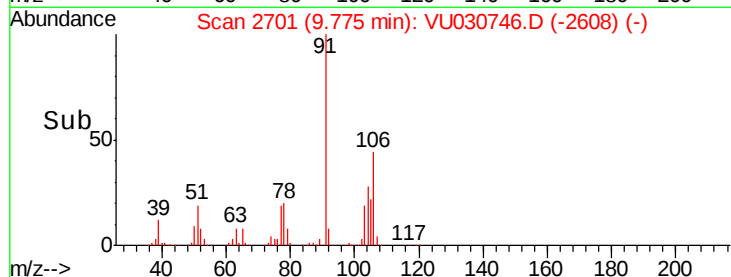
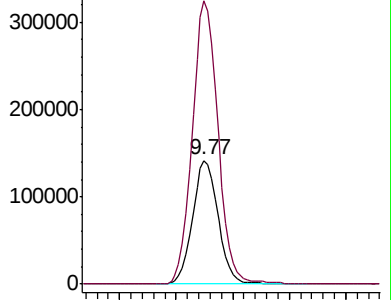
106 100

91 228.2 156.7 290.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.764 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU030746.D

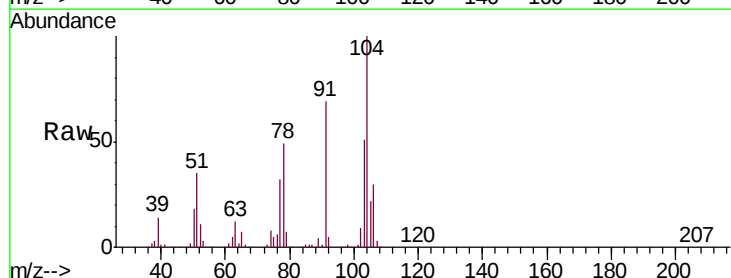
Acq: 05 Apr 2019 17:22

Tgt Ion:104 Resp: 396917

Ion Ratio Lower Upper

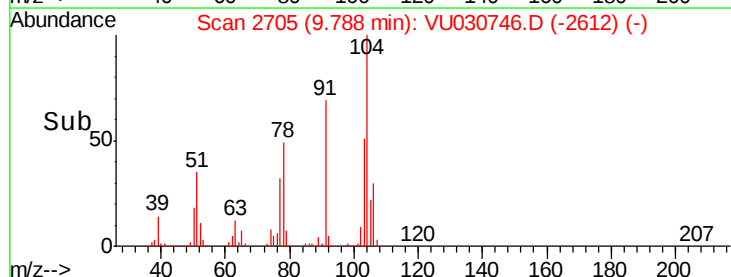
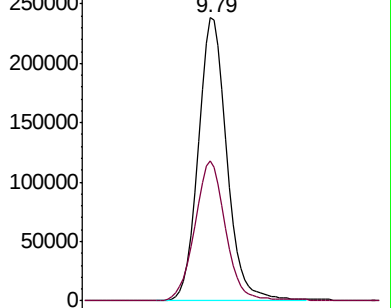
104 100

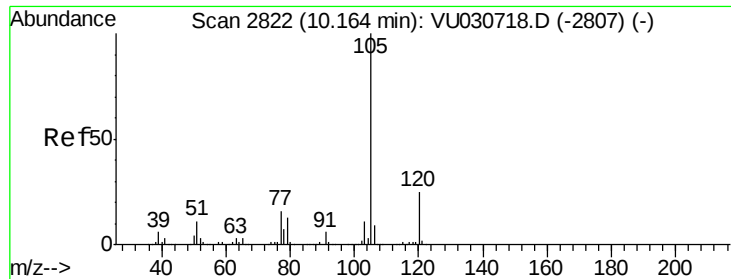
78 49.5 35.1 65.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.469 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

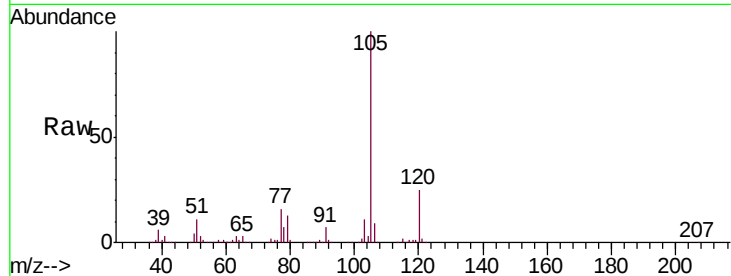
Tgt Ion: 105 Resp: 605772

Ion Ratio Lower Upper

105 100

120 24.9 20.4 30.6

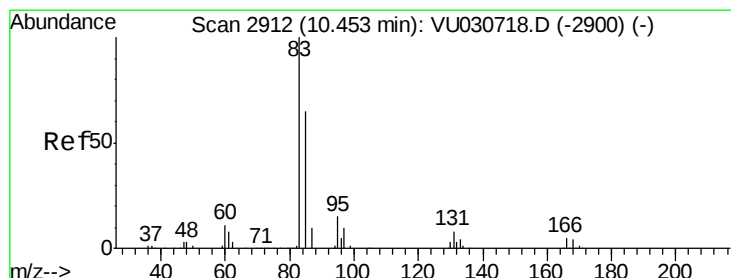
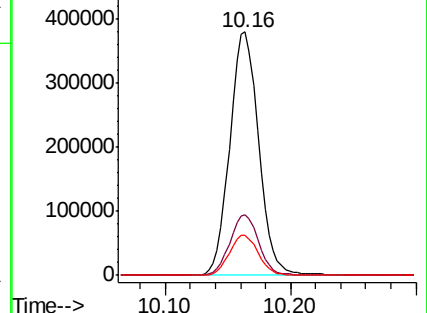
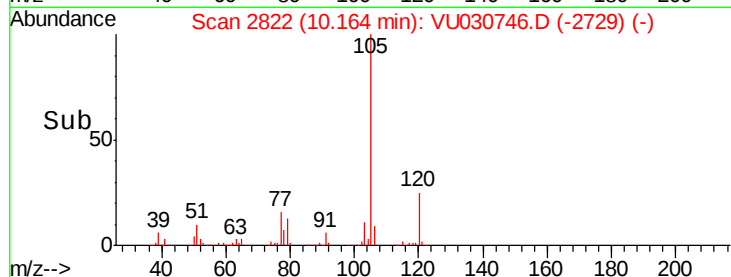
77 16.6 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.245 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

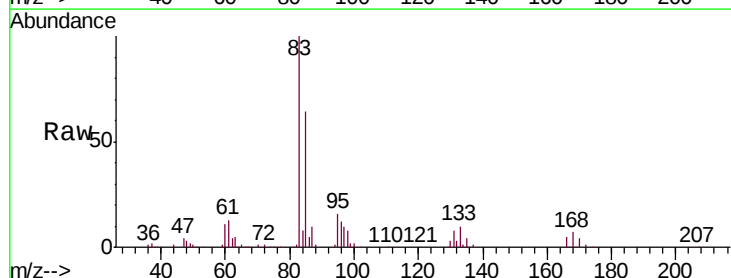
Tgt Ion: 83 Resp: 252761

Ion Ratio Lower Upper

83 100

85 63.9 45.3 84.1

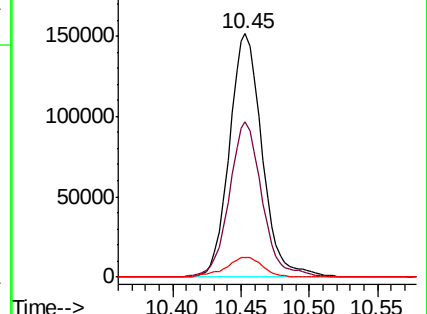
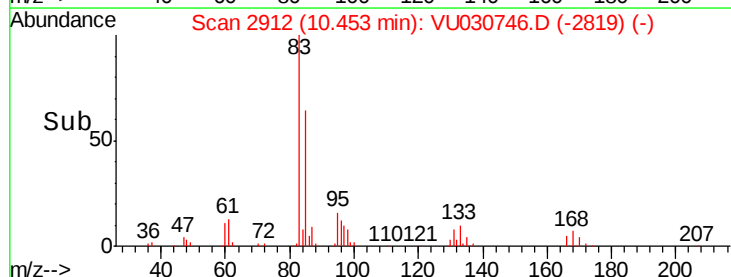
131 8.1 6.7 10.1

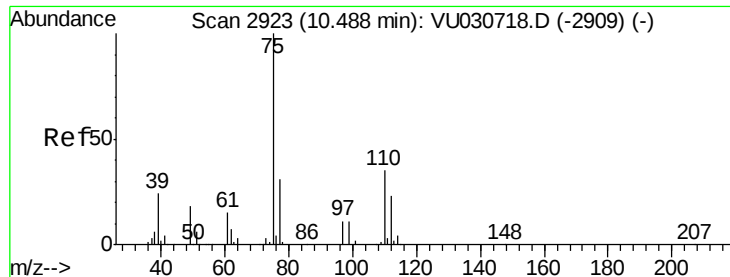


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.012 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

Instrument :

MSVOA_U

ClientSampled :

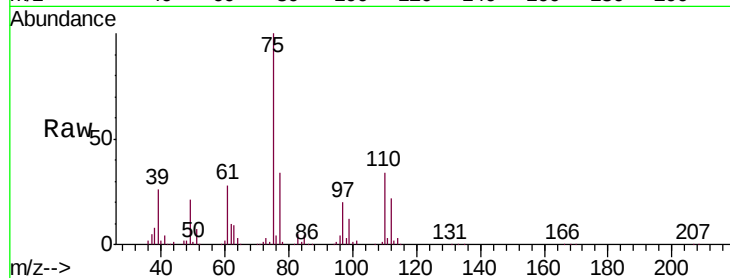
VSTD05051

Tgt Ion: 75 Resp: 200354

Ion Ratio Lower Upper

75 100

77 33.1 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VU030718.D (-2909) (-)

Ion 77.00 (76.70 to 77.70): VU030718.D (-2909) (-)

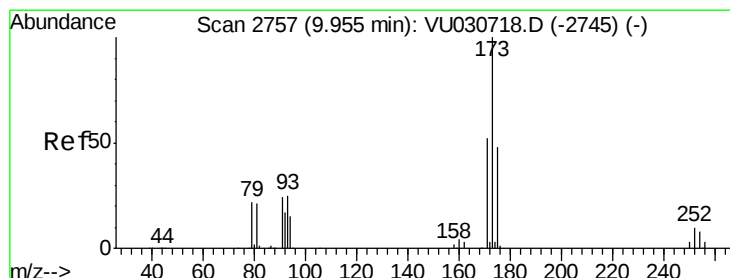
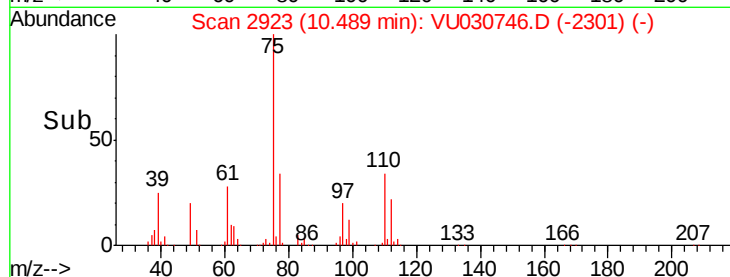
10.49

100000

50000

0

Time-->



#61

Bromoform

Concen: 48.823 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

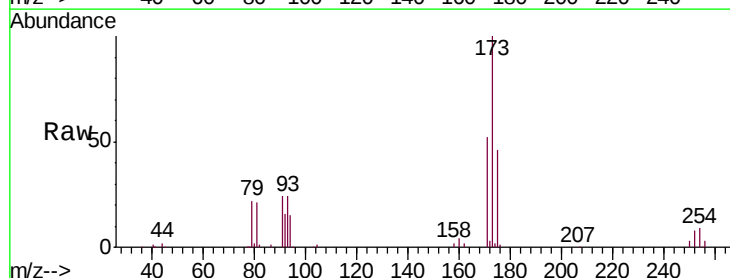
Tgt Ion: 173 Resp: 107421

Ion Ratio Lower Upper

173 100

175 49.6 39.1 58.7

254 8.9 7.3 10.9



Abundance Ion 173.00 (172.70 to 173.70): VU030718.D (-2745) (-)

Ion 175.00 (174.70 to 175.70): VU030718.D (-2745) (-)

Ion 254.00 (253.70 to 254.70): VU030718.D (-2745) (-)

9.95

80000

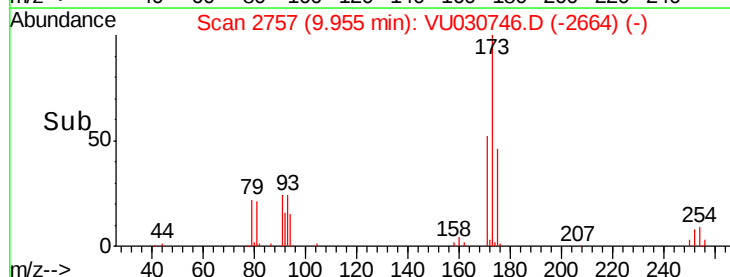
60000

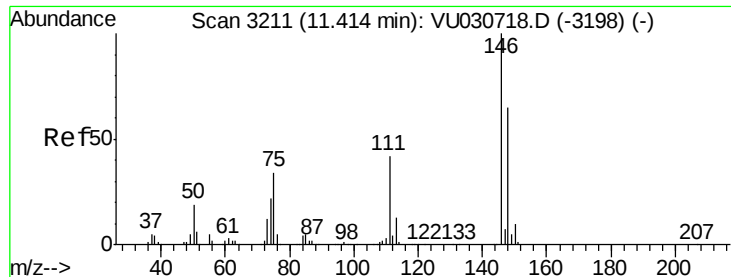
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 49.398 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

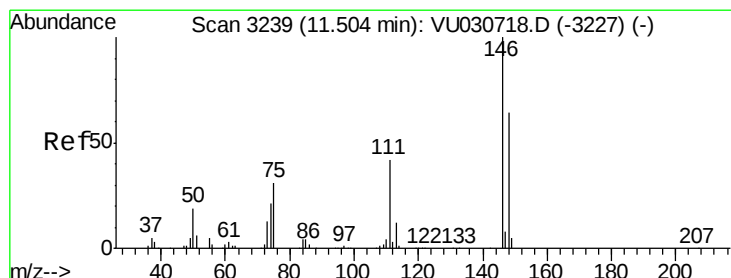
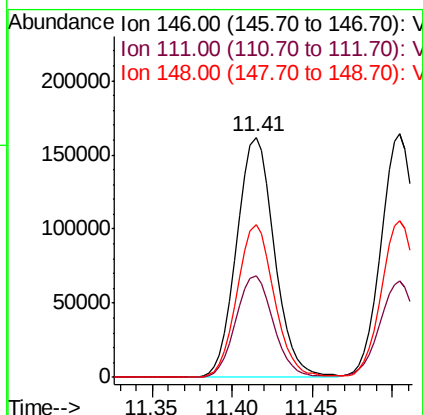
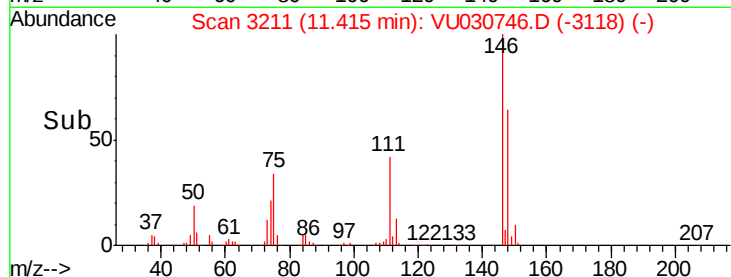
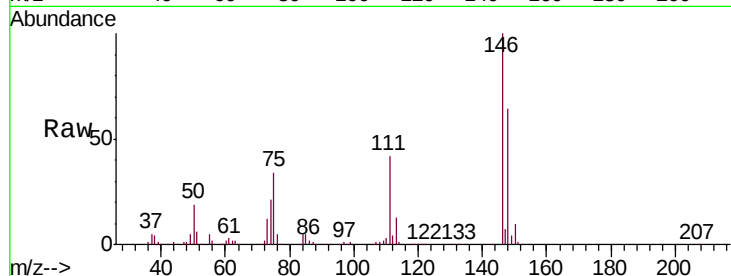
Tgt Ion:146 Resp: 260023

Ion Ratio Lower Upper

146 100

111 42.1 30.9 57.5

148 63.5 44.7 82.9



#63

1,4-Dichlorobenzene

Concen: 48.716 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

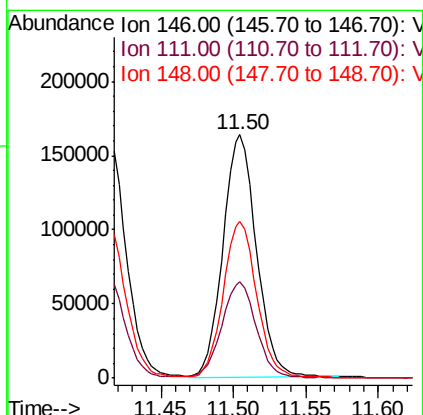
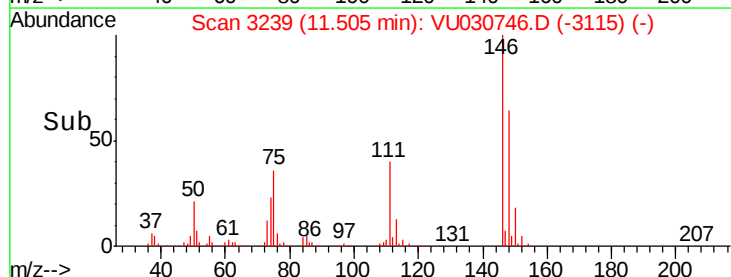
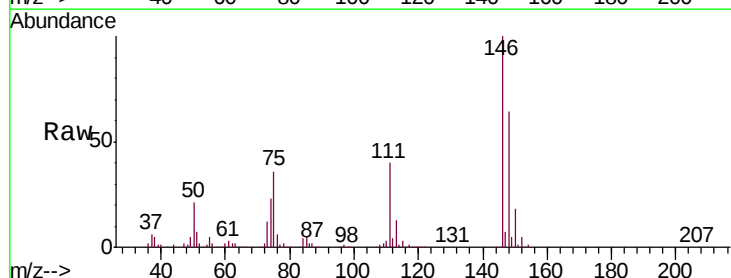
Tgt Ion:146 Resp: 260838

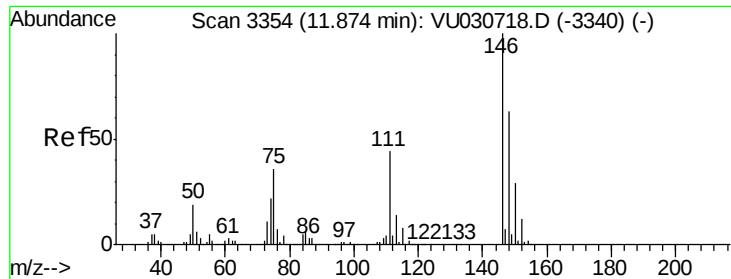
Ion Ratio Lower Upper

146 100

111 39.5 27.7 51.5

148 64.4 45.4 84.4

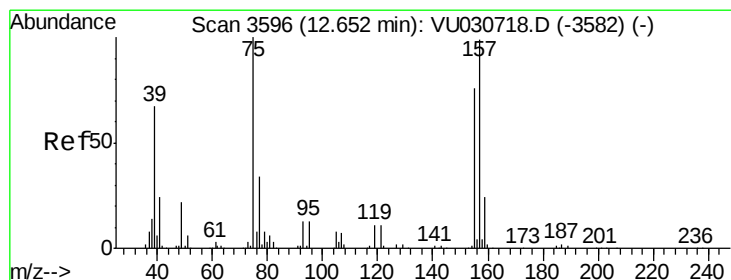
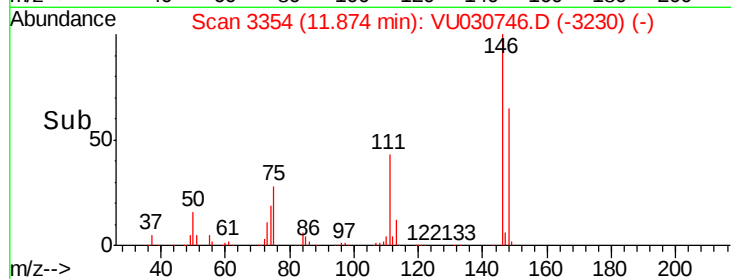
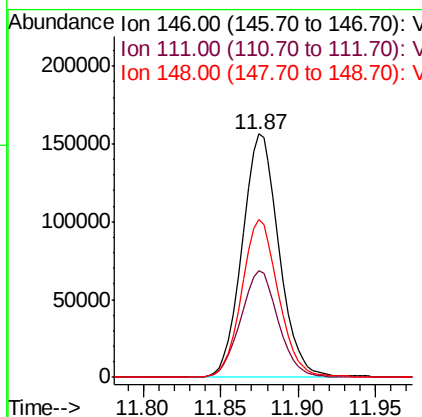
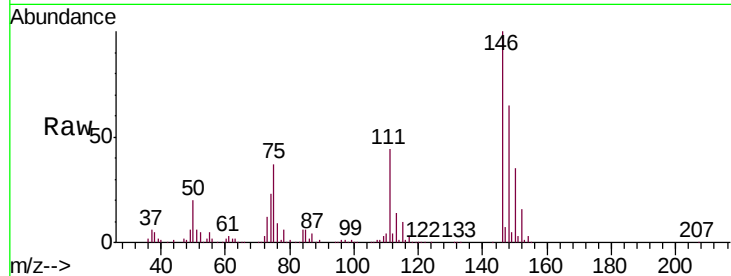




#65
 1,2-Dichlorobenzene
 Concen: 49.115 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030746.D
 Acq: 05 Apr 2019 17:22

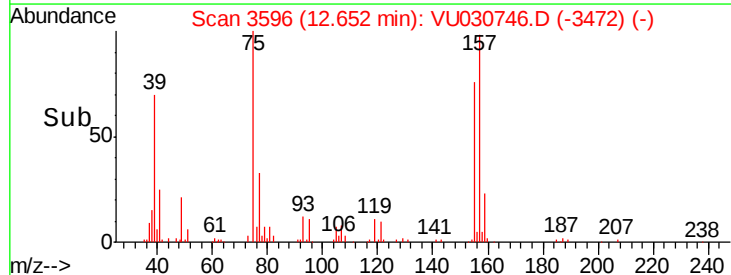
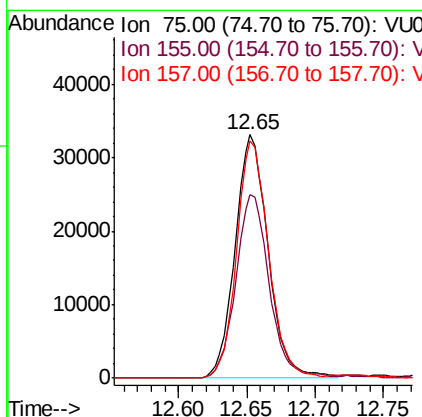
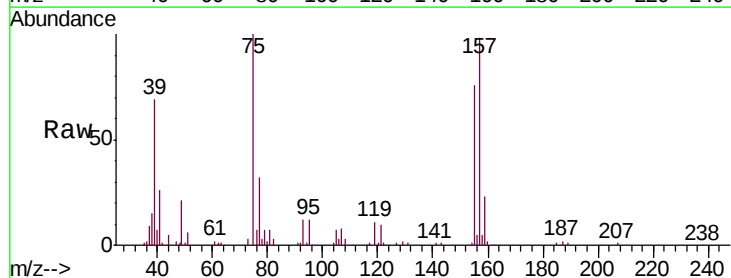
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

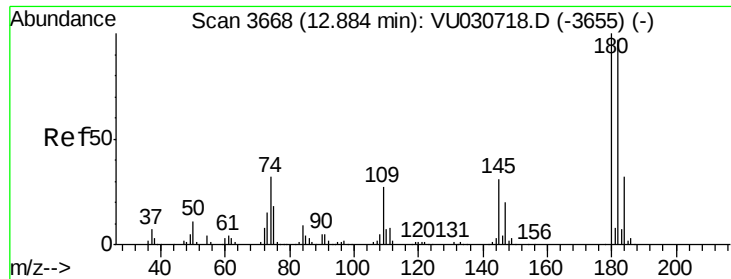
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	34.9	52.3
148	64.9	50.4	75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.555 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU030746.D
 Acq: 05 Apr 2019 17:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.6	64.1	96.1
157	97.7	80.6	120.8

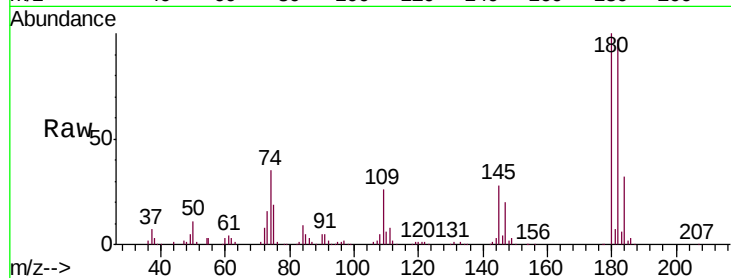




#67
 1,3,5-Trichlorobenzene
 Concen: 50.089 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU030746.D
 Acq: 05 Apr 2019 17:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	78.3	117.5
184	30.2	24.7	37.1
145	29.1	24.2	36.4



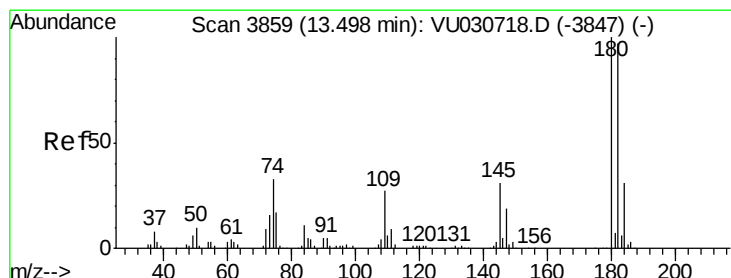
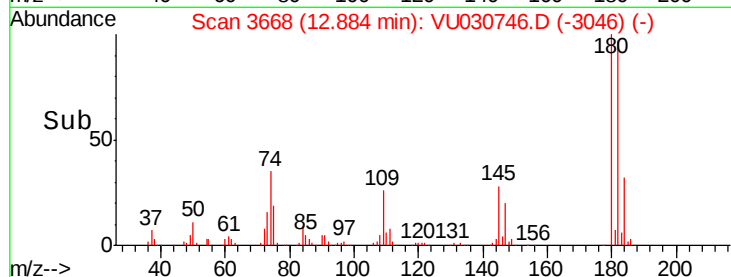
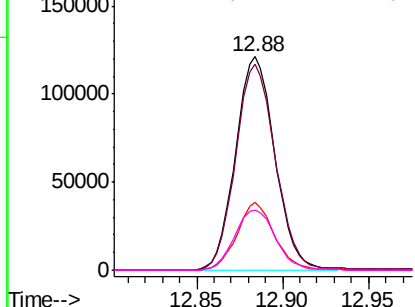
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

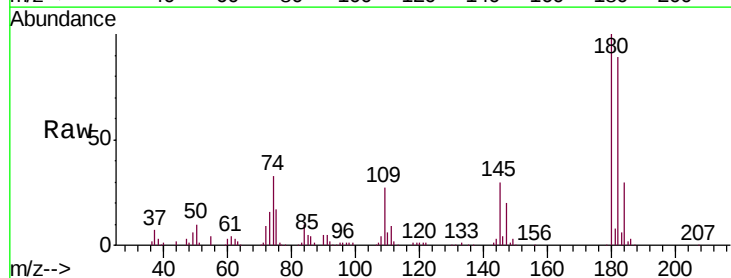
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.292 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030746.D
 Acq: 05 Apr 2019 17:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.1	76.7	115.1
145	29.9	24.4	36.6

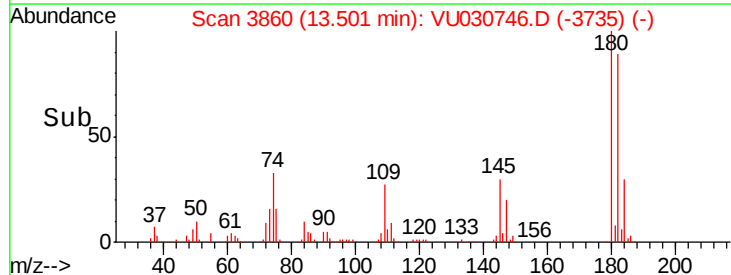
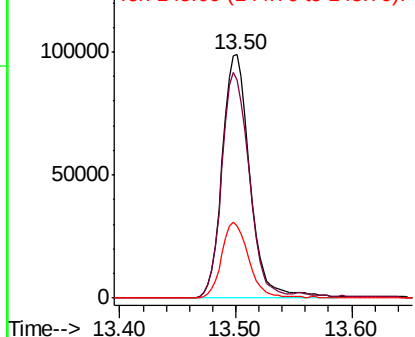


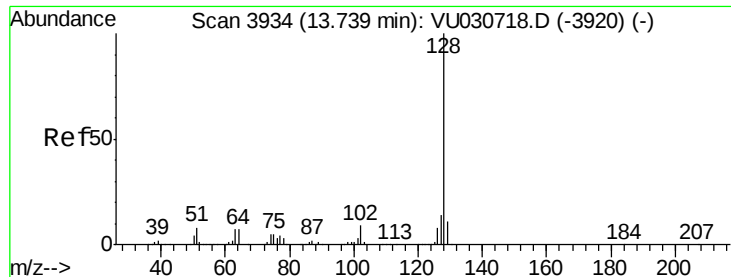
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 49.307 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

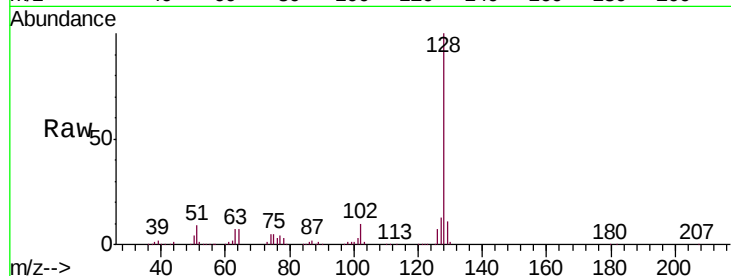
Tgt Ion:128 Resp: 522810

Ion Ratio Lower Upper

128 100

127 12.5 10.4 15.6

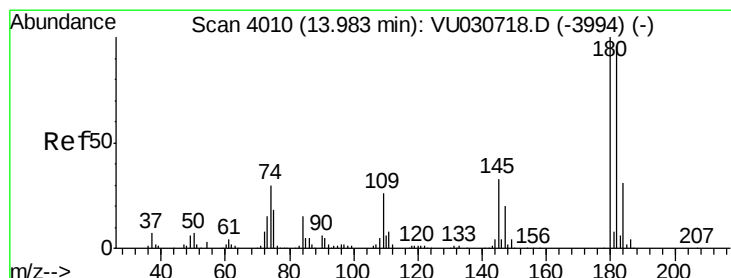
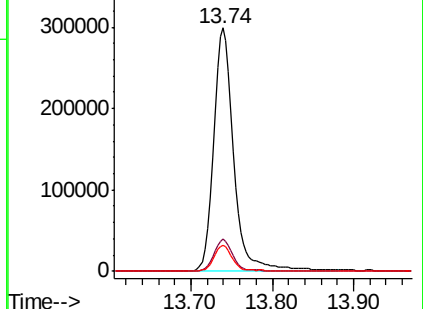
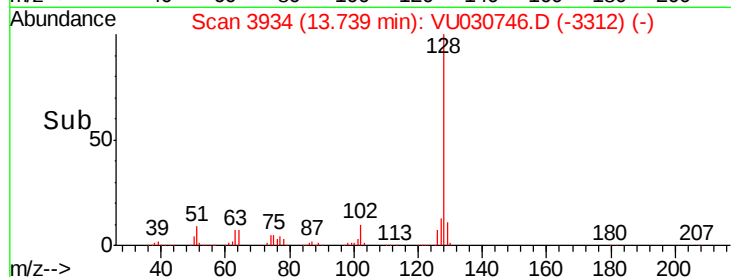
129 9.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.195 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030746.D

Acq: 05 Apr 2019 17:22

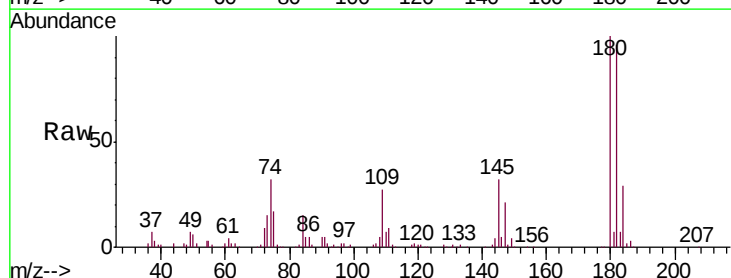
Tgt Ion:180 Resp: 168115

Ion Ratio Lower Upper

180 100

182 97.0 78.1 117.1

145 33.5 26.6 40.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

