

Data File : VU031382.D
Acq On : 22 Apr 2019 10:03
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

Quant Time: Apr 23 00:57:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 19 23:12:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	670415	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	542448	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	271234	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	278455	45.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.20%
7) Chloroethane-d5	1.68	69	222030	41.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.84%
11) 1,1-Dichloroethene-d2	2.27	63	518209	42.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.74%
21) 2-Butanone-d5	4.19	46	445510	99.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.08%
24) Chloroform-d	4.64	84	457045	44.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.74%
26) 1,2-Dichloroethane-d4	5.31	65	270662	42.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.32%
32) Benzene-d6	5.33	84	951135	55.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.92%
36) 1,2-Dichloropropane-d6	6.32	67	308500	55.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.86%
41) Toluene-d8	7.56	98	693187	45.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.88%
43) trans-1,3-Dichloropropene-	7.85	79	115834	43.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.08%
47) 2-Hexanone-d5	8.31	63	258103	98.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.24%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	358971	46.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.92%
64) 1,2-Dichlorobenzene-d4	11.85	152	288217	46.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.66%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	223234	36.075	ug/L	100
3) Chloromethane	1.32	50	310501	42.126	ug/L	99
5) Vinyl chloride	1.40	62	324583	44.243	ug/L	96
6) Bromomethane	1.63	94	199458	41.380	ug/L	99
8) Chloroethane	1.70	64	189815	40.243	ug/L	100
9) Trichlorofluoromethane	1.88	101	411228	40.265	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	246864	46.209	ug/L	96
12) 1,1-Dichloroethene	2.28	96	239638	45.734	ug/L	87
13) Acetone	2.34	43	419777	121.306	ug/L	97
14) Carbon disulfide	2.48	76	724174	51.017	ug/L	99
15) Methyl Acetate	2.62	43	323569	53.743	ug/L	99
16) Methylene chloride	2.70	84	260806	51.009	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	242168	50.725	ug/L	95
18) Methyl tert-butyl Ether	2.99	73	780137	51.895	ug/L	98
19) 1,1-Dichloroethane	3.44	63	464399	48.938	ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	273720	49.265	ug/L	87
22) 2-Butanone	4.27	43	520263	109.705	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	134030	48.693	ug/L	91
25) Chloroform	4.67	83	442079	45.420	ug/L	97
27) 1,2-Dichloroethane	5.40	62	324354	43.813	ug/L	97
29) Cyclohexane	4.99	56	446005	58.456	ug/L	96
30) 1,1,1-Trichloroethane	4.91	97	371833	51.803	ug/L	98
31) Carbon tetrachloride	5.13	117	324423	52.240	ug/L	99
33) Benzene	5.39	78	1008824	55.293	ug/L	100
34) Trichloroethene	6.18	95	258805	56.693	ug/L	94
35) Methylcyclohexane	6.41	83	414908	61.049	ug/L	97
37) 1,2-Dichloropropane	6.43	63	269768	55.832	ug/L	99
38) Bromodichloromethane	6.75	83	325631	53.023	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	336261	46.440	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	619339	90.853	ug/L #	95
42) Toluene	7.63	91	846340	46.634	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	286824	45.622	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	204920	47.121	ug/L	97
46) Tetrachloroethene	8.22	164	176191	51.315	ug/L	97
48) 2-Hexanone	8.36	43	541412	99.858	ug/L #	98
49) Dibromochloromethane	8.47	129	228827	48.682	ug/L	97
50) 1,2-Dibromoethane	8.58	107	227029	49.414	ug/L	96
51) Chlorobenzene	9.12	112	561465	49.500	ug/L	97
52) Ethylbenzene	9.25	91	997397	50.483	ug/L	97
53) m,p-Xylene	9.37	106	378842	54.336	ug/L	95
54) o-xylene	9.77	106	370809	52.519	ug/L	96
55) Styrene	9.79	104	632912	53.104	ug/L	99
56) Isopropylbenzene	10.16	105	984218	54.385	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	359225	47.971	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	277504	48.288	ug/L	98
61) Bromoform	9.95	173	185181	49.316	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	453192	50.557	ug/L	95
63) 1,4-Dichlorobenzene	11.50	146	463339	51.554	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	456764	48.445	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	82353	45.779	ug/L	89
67) 1,3,5-Trichlorobenzene	12.88	180	354546	52.851	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	318551	58.597	ug/L	98
69) Naphthalene	13.74	128	1038338	60.873	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	322704	54.660	ug/L	99

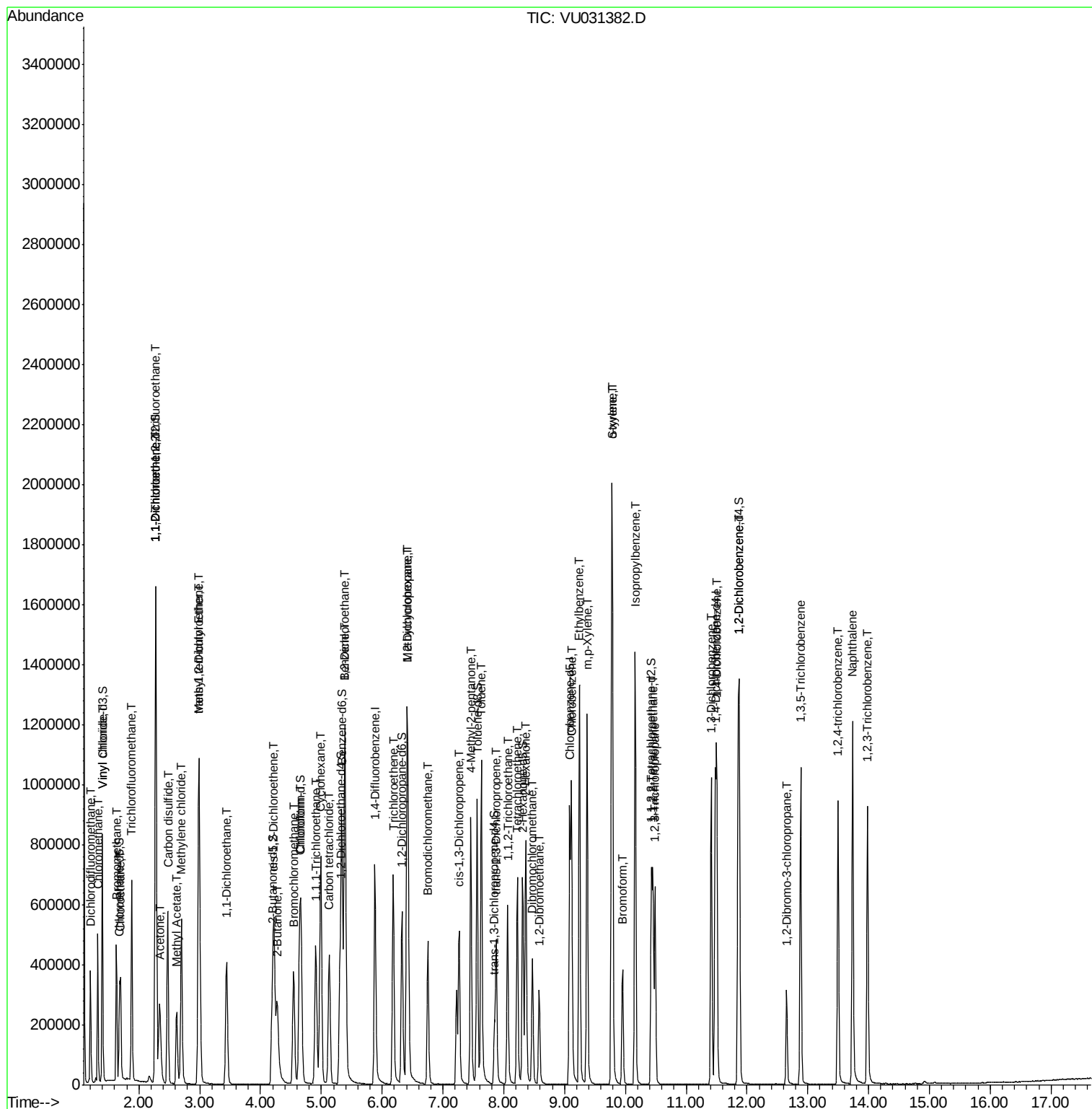
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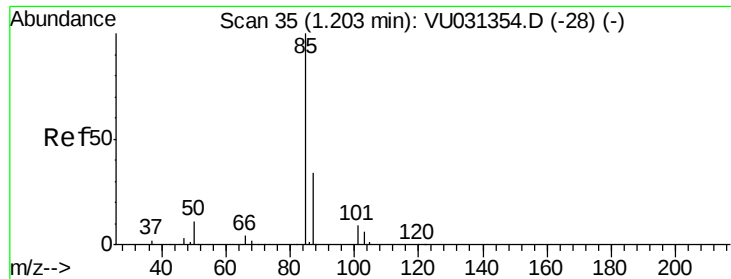
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#2

Dichlorodifluoromethane

Concen: 36.075 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

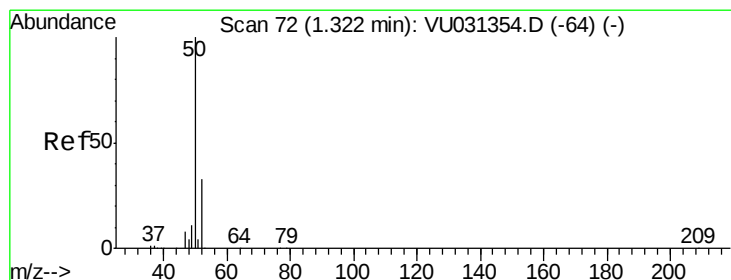
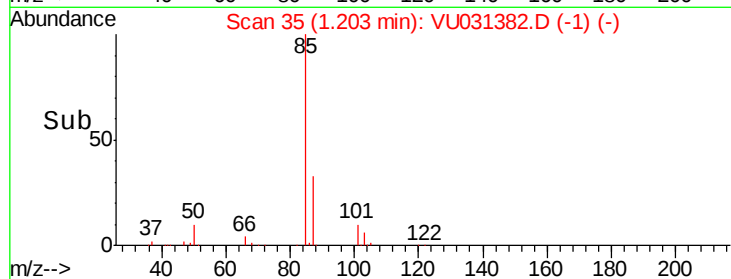
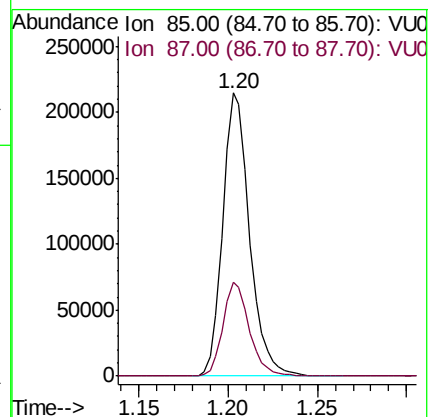
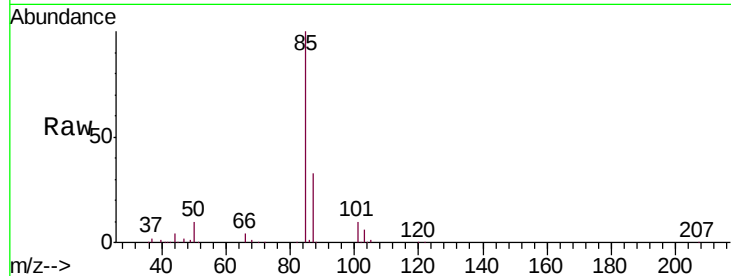
VSTD05044

Tgt Ion: 85 Resp: 223234

Ion Ratio Lower Upper

85 100

87 32.6 26.2 39.2



#3

Chloromethane

Concen: 42.126 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031382.D

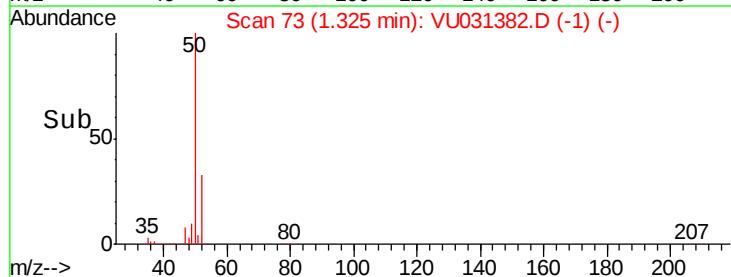
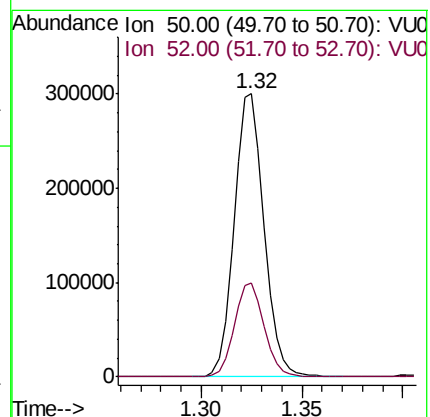
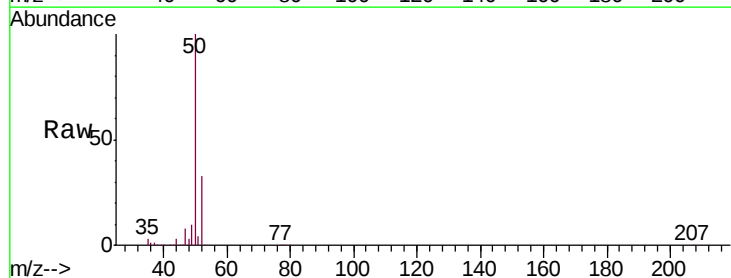
Acq: 22 Apr 2019 10:03

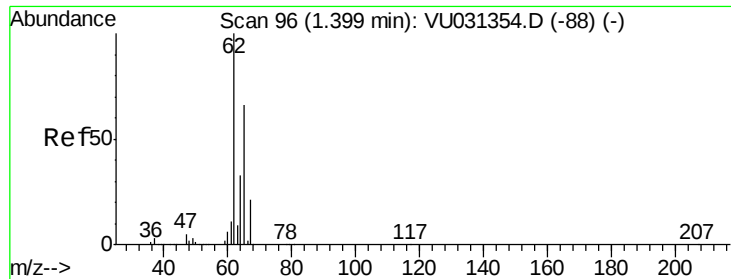
Tgt Ion: 50 Resp: 310501

Ion Ratio Lower Upper

50 100

52 33.2 22.7 42.3





#5

Vinyl chloride

Concen: 44.243 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

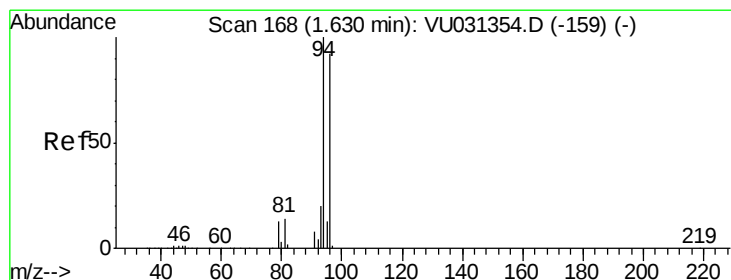
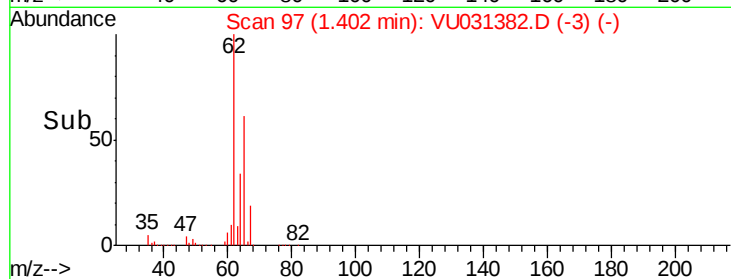
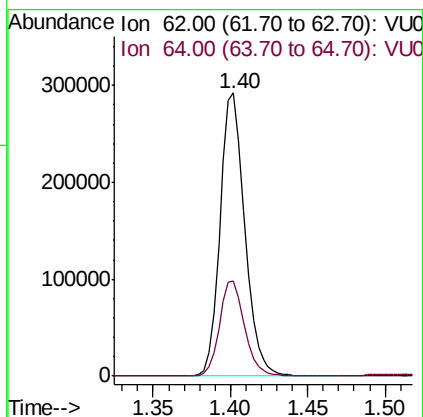
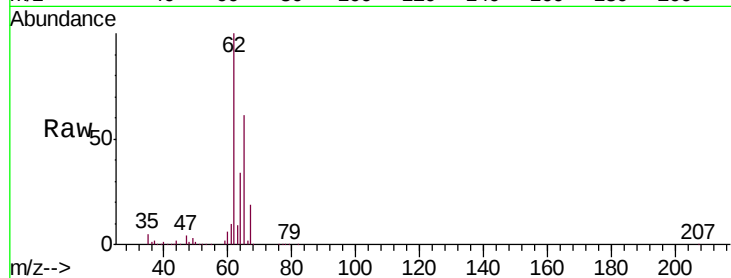
VSTD05044

Tgt Ion: 62 Resp: 324583

Ion Ratio Lower Upper

62 100

64 33.6 21.8 40.6



#6

Bromomethane

Concen: 41.380 ug/L

RT: 1.63 min Scan# 168

Delta R.T. -0.00 min

Lab File: VU031382.D

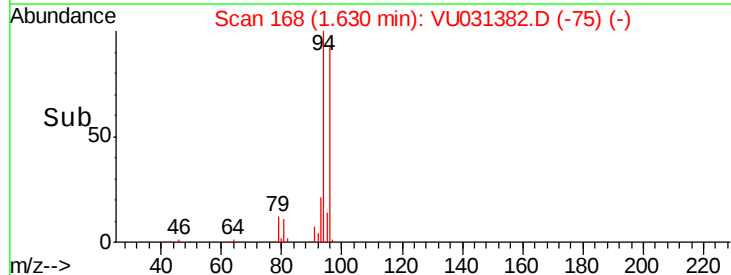
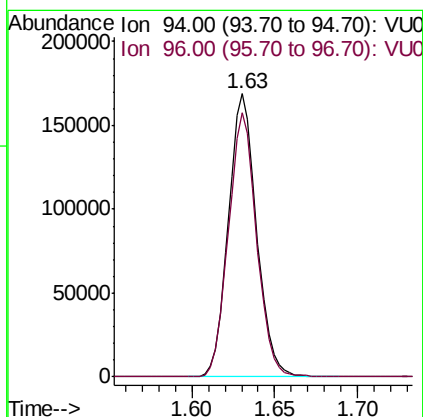
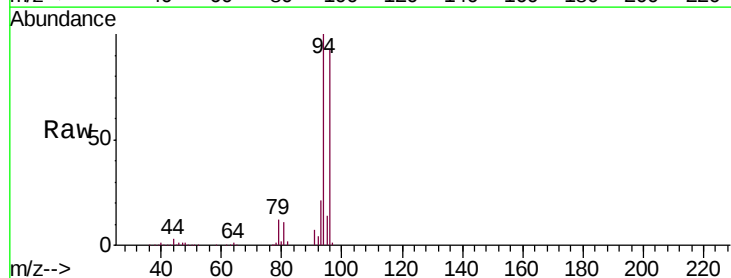
Acq: 22 Apr 2019 10:03

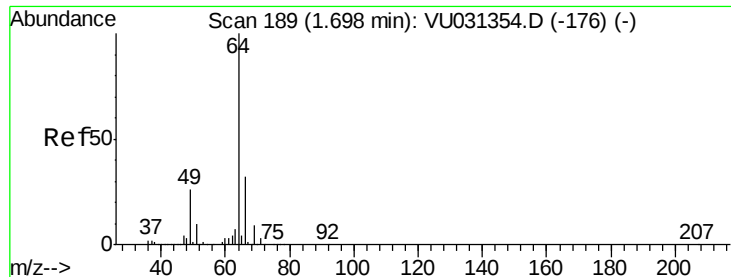
Tgt Ion: 94 Resp: 199458

Ion Ratio Lower Upper

94 100

96 93.2 64.6 120.0





#8

Chloroethane

Concen: 40.243 ug/L

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

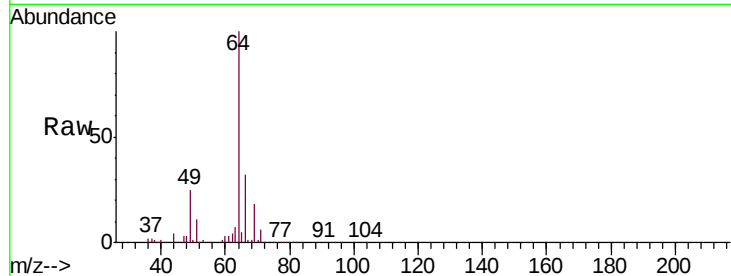
VSTD05044

Tgt Ion: 64 Resp: 189815

Ion Ratio Lower Upper

64 100

66 32.3 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VU031382.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU031382.D (-176) (-)

1.70

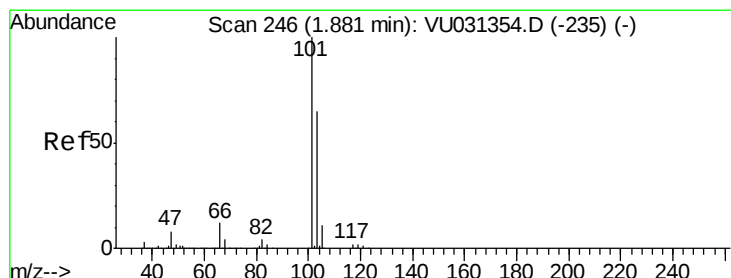
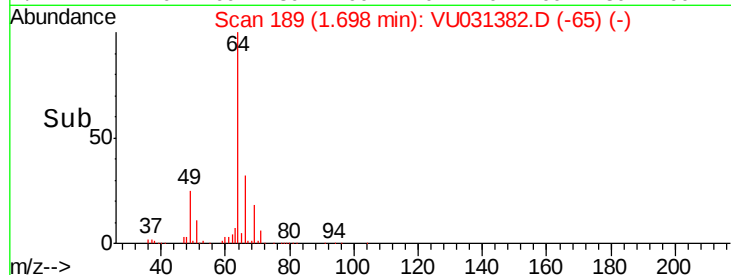
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 40.265 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU031382.D

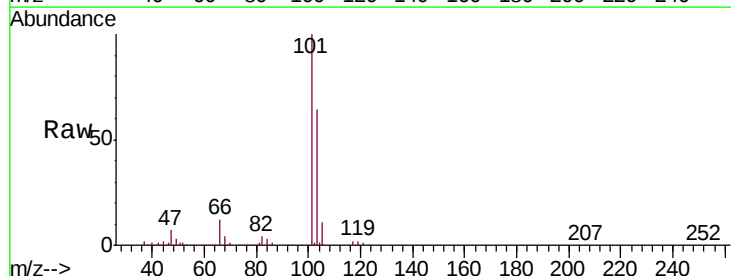
Acq: 22 Apr 2019 10:03

Tgt Ion: 101 Resp: 411228

Ion Ratio Lower Upper

101 100

103 64.0 53.0 79.6



Abundance Ion 101.00 (100.70 to 101.70): VU031382.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU031382.D (-235) (-)

1.88

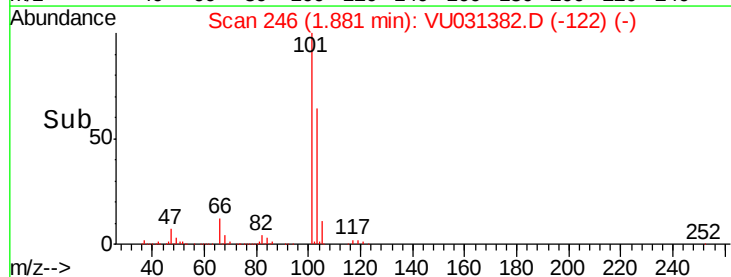
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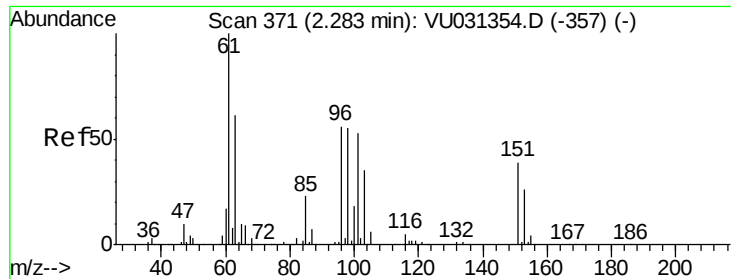
200000

100000

0

Time-->





#10

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

Concen: 46.209 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

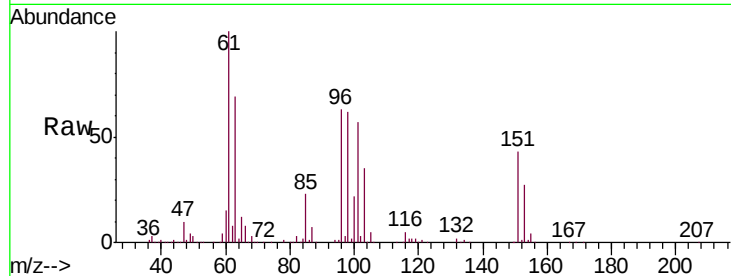
Tgt Ion: 101 Resp: 246864

Ion Ratio Lower Upper

101 100

85 41.0 35.4 53.0

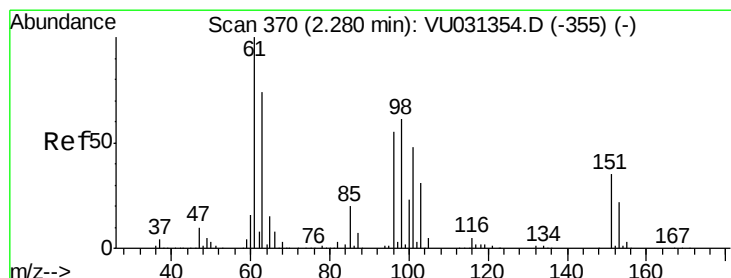
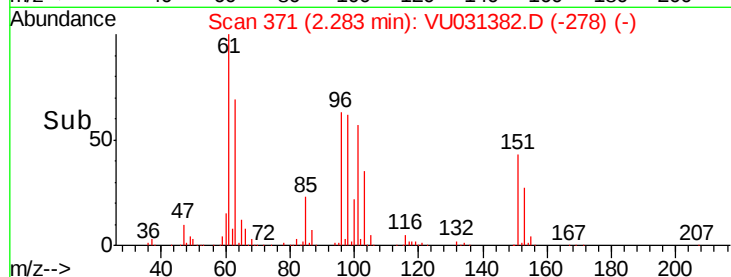
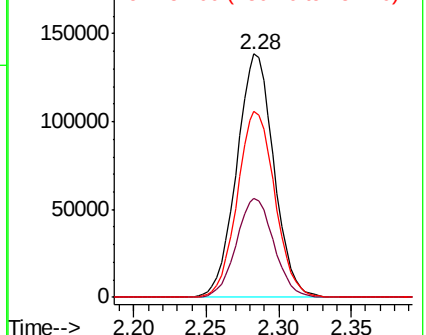
151 77.1 59.8 89.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 45.734 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

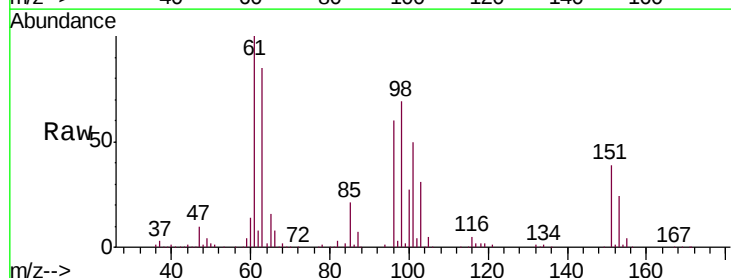
Tgt Ion: 96 Resp: 239638

Ion Ratio Lower Upper

96 100

61 165.7 130.4 242.2

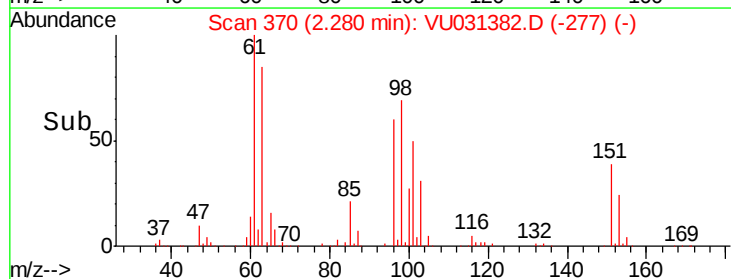
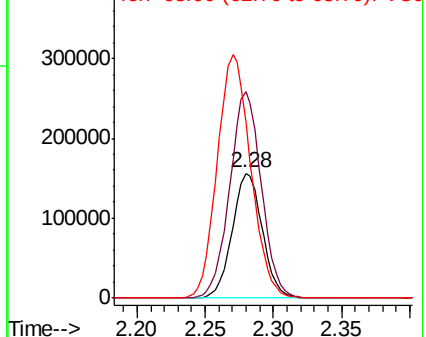
63 140.9 108.9 202.3

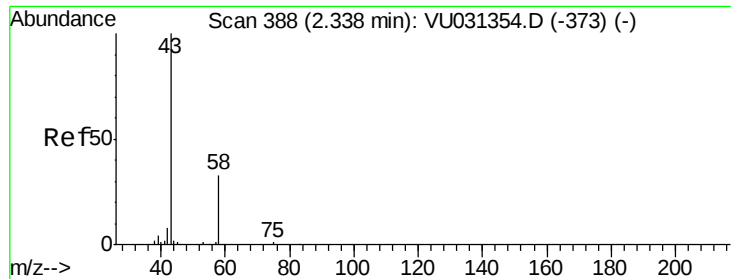


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

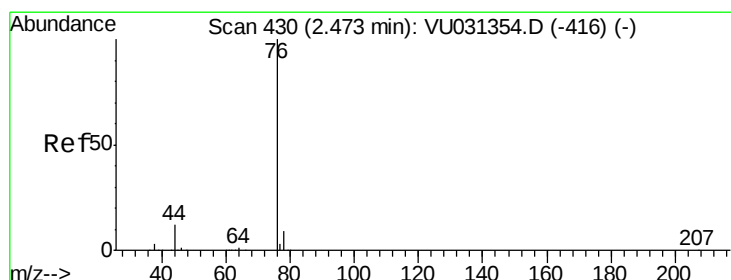
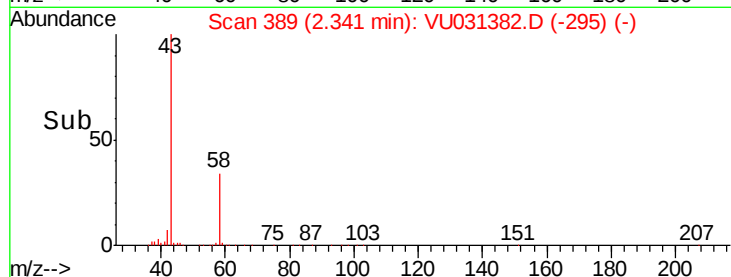
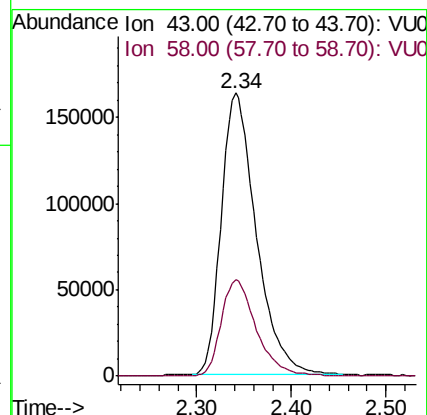
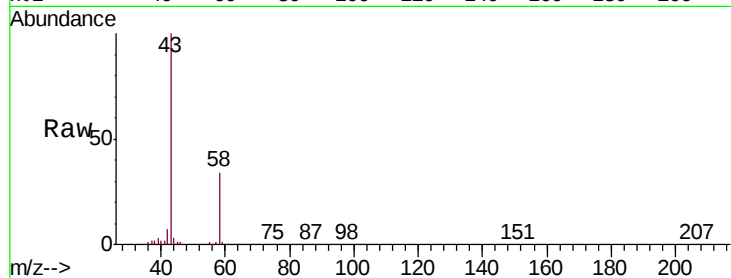




#13
Acetone
Concen: 121.306 ug/L
RT: 2.34 min Scan# 389
Delta R.T. 0.00 min
Lab File: VU031382.D
Acq: 22 Apr 2019 10:03

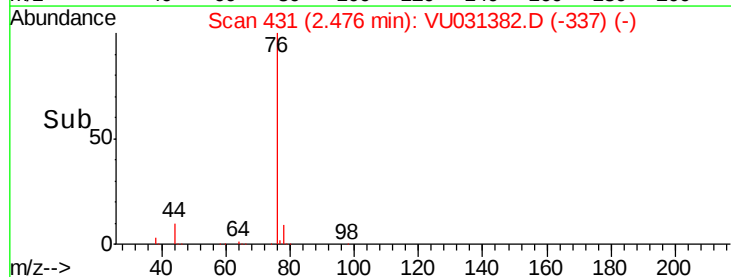
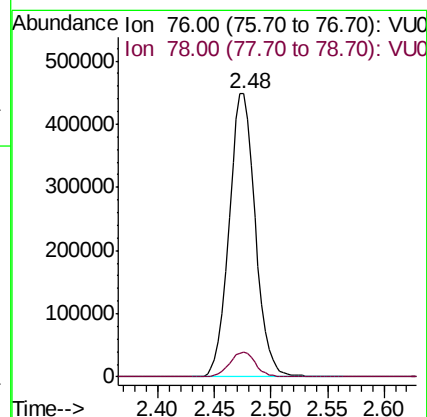
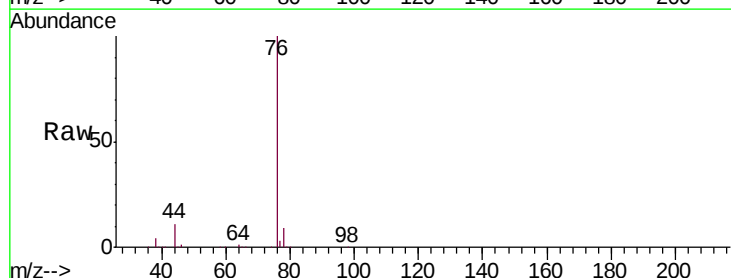
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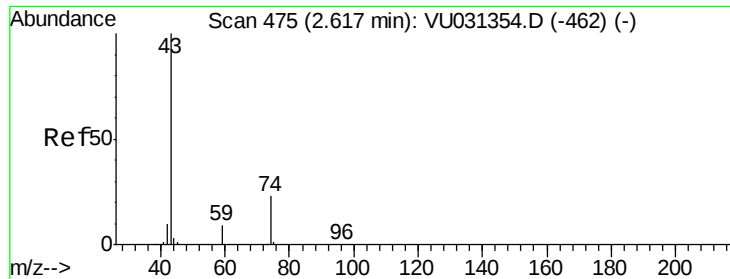
Tgt Ion: 43 Resp: 419777
Ion Ratio Lower Upper
43 100
58 34.0 0.0 65.0



#14
Carbon disulfide
Concen: 51.017 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VU031382.D
Acq: 22 Apr 2019 10:03

Tgt Ion: 76 Resp: 724174
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8

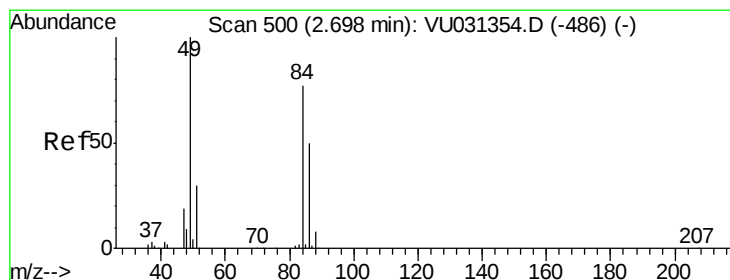
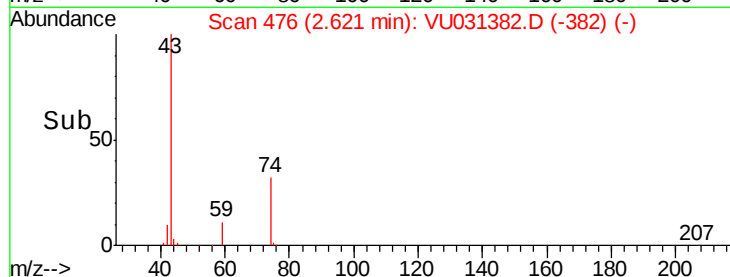
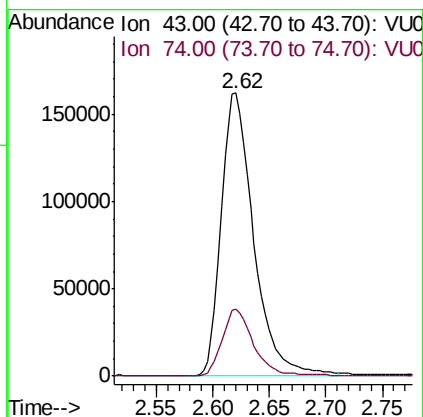
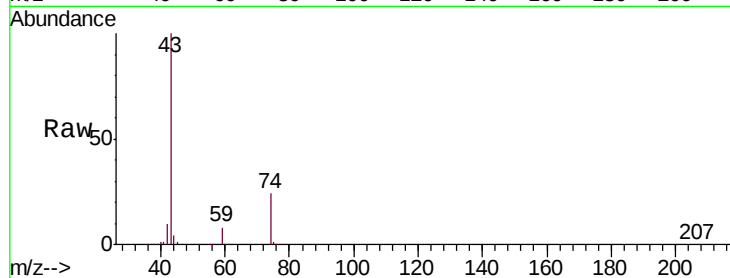




#15
Methyl Acetate
Concen: 53.743 ug/L
RT: 2.62 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU031382.D
Acq: 22 Apr 2019 10:03

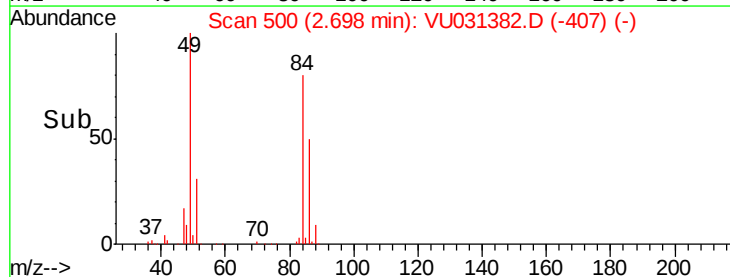
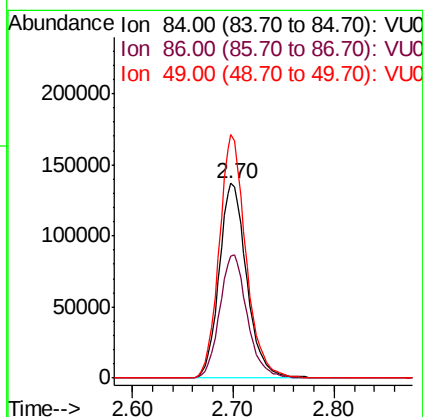
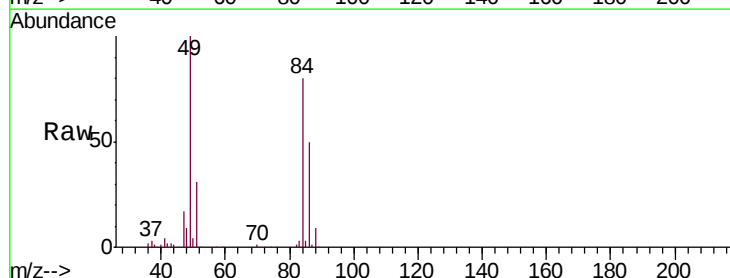
Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

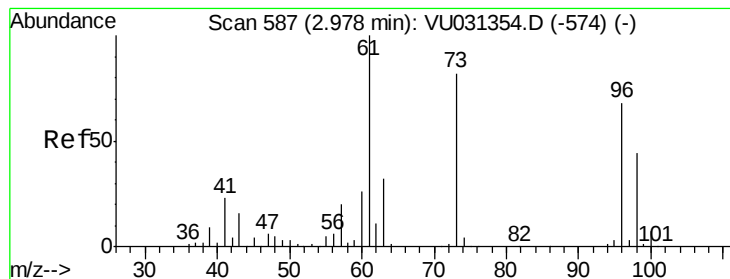
Tgt Ion: 43 Resp: 323569
Ion Ratio Lower Upper
43 100
74 23.2 18.3 27.5



#16
Methylene chloride
Concen: 51.009 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU031382.D
Acq: 22 Apr 2019 10:03

Tgt Ion: 84 Resp: 260806
Ion Ratio Lower Upper
84 100
86 63.0 44.0 81.8
49 125.1 88.0 163.4





#17

trans-1,2-Dichloroethene

Concen: 50.725 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

Instrument :

MSVOA_U

ClientSampleID :

VSTD05044

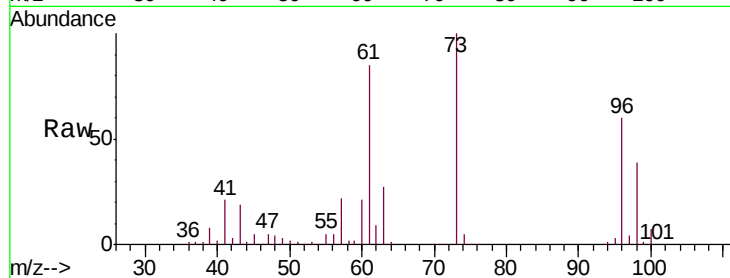
Tgt Ion: 96 Resp: 242168

Ion Ratio Lower Upper

96 100

61 142.1 105.5 195.9

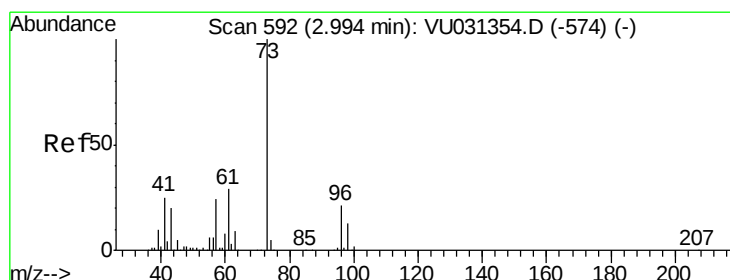
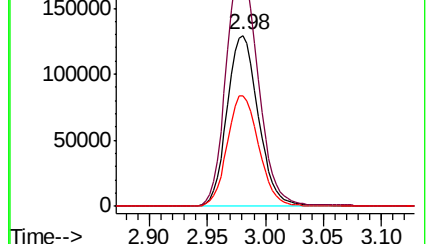
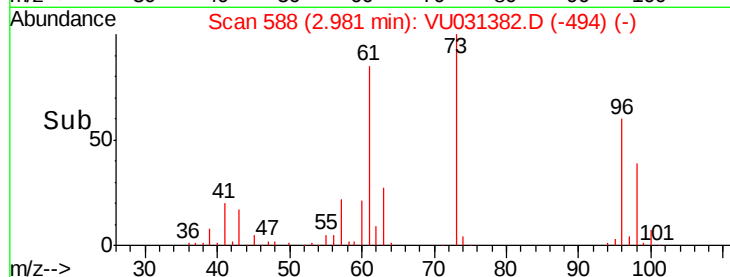
98 64.9 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU031382.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU031382.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU031382.D (-494) (-)



#18

Methyl tert-butyl Ether

Concen: 51.895 ug/L

RT: 2.99 min Scan# 592

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

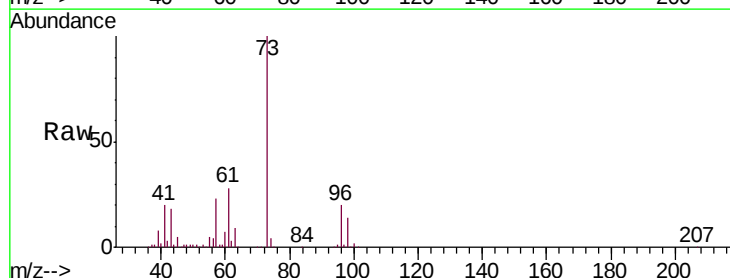
Tgt Ion: 73 Resp: 780137

Ion Ratio Lower Upper

73 100

43 17.7 15.6 23.4

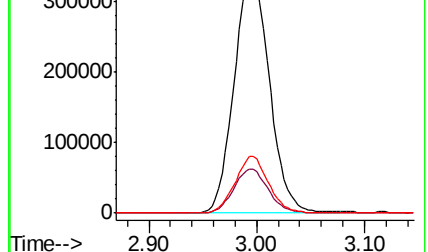
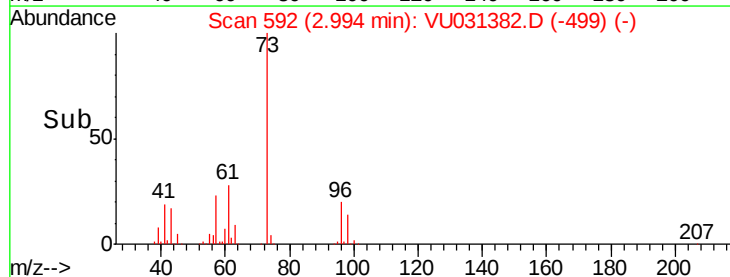
57 22.3 18.0 27.0

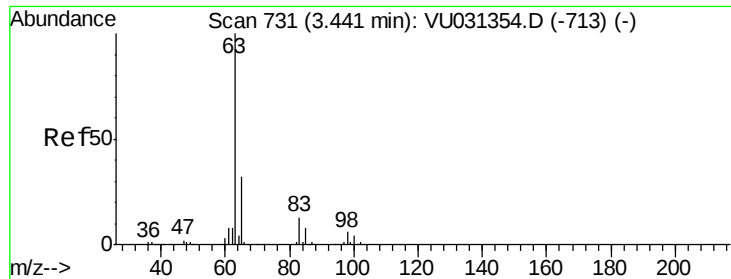


Abundance Ion 73.00 (72.70 to 73.70): VU031382.D (-499) (-)

Ion 43.00 (42.70 to 43.70): VU031382.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU031382.D (-499) (-)





#19

1,1-Dichloroethane

Concen: 48.938 ug/L

RT: 3.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

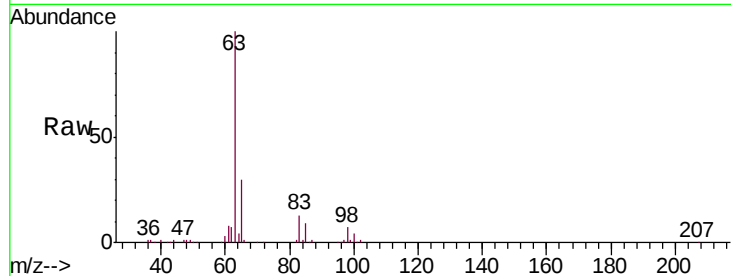
Tgt Ion: 63 Resp: 464399

Ion Ratio Lower Upper

63 100

65 29.6 22.8 42.4

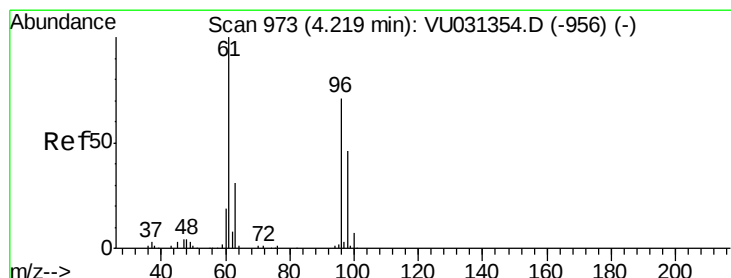
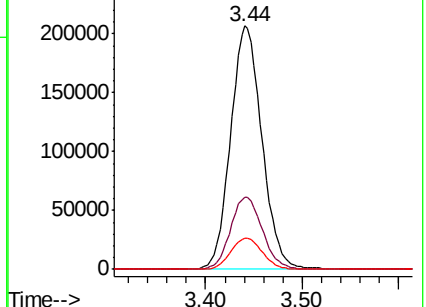
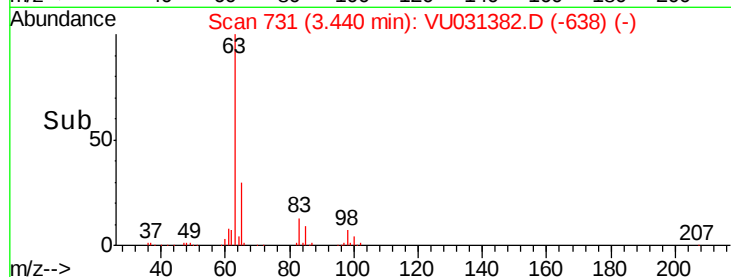
83 12.6 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VU031382.D (-638) (-)

Ion 65.00 (64.70 to 65.70): VU031382.D (-638) (-)

Ion 83.00 (82.70 to 83.70): VU031382.D (-638) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.265 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

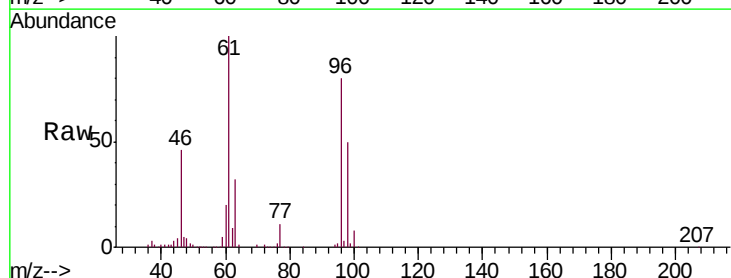
Tgt Ion: 96 Resp: 273720

Ion Ratio Lower Upper

96 100

61 124.7 98.2 182.4

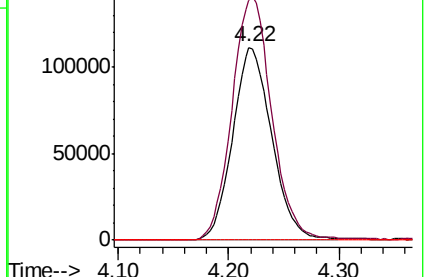
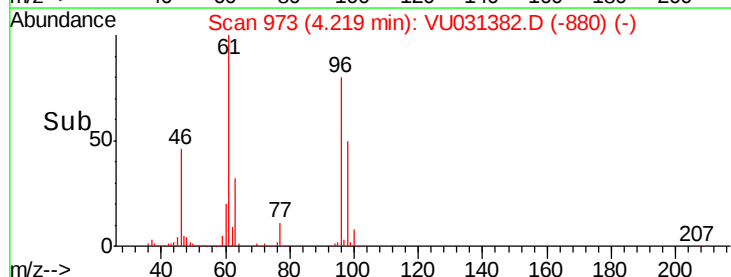
68 0.0 0.0 0.0

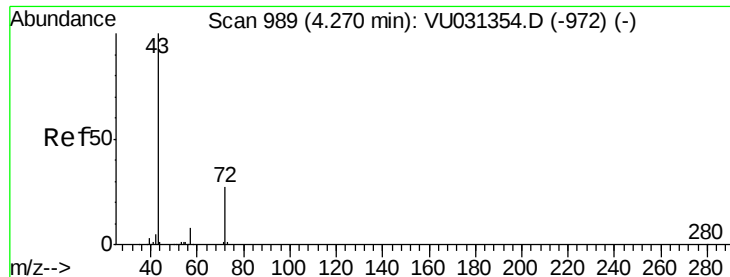


Abundance Ion 96.00 (95.70 to 96.70): VU031382.D (-880) (-)

Ion 61.00 (60.70 to 61.70): VU031382.D (-880) (-)

Ion 68.00 (67.70 to 68.70): VU031382.D (-880) (-)





#22

2-Butanone

Concen: 109.705 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

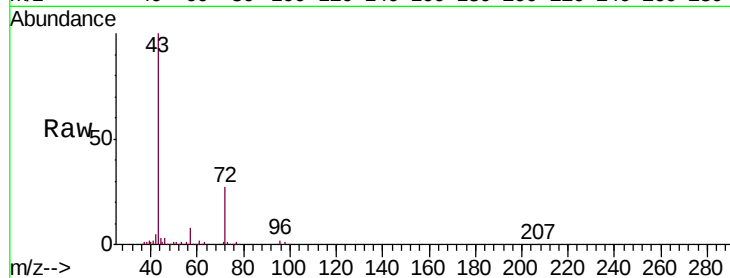
VSTD05044

Tgt Ion: 43 Resp: 520263

Ion Ratio Lower Upper

43 100

72 25.3 12.6 37.8



Abundance Ion 43.00 (42.70 to 43.70): VU031354.D (-972) (-)

Ion 72.00 (71.70 to 72.70): VU031354.D (-972) (-)

4.27

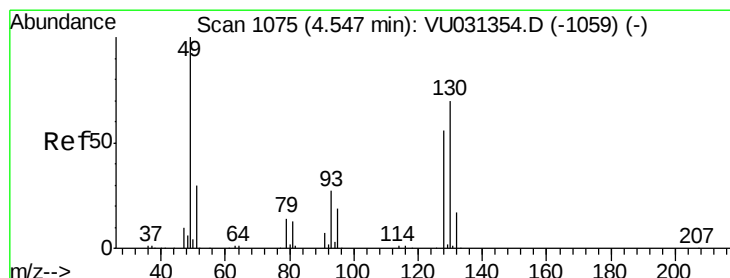
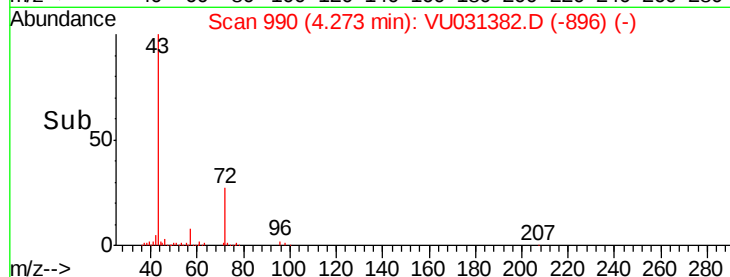
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 48.693 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

Tgt Ion: 128 Resp: 134030

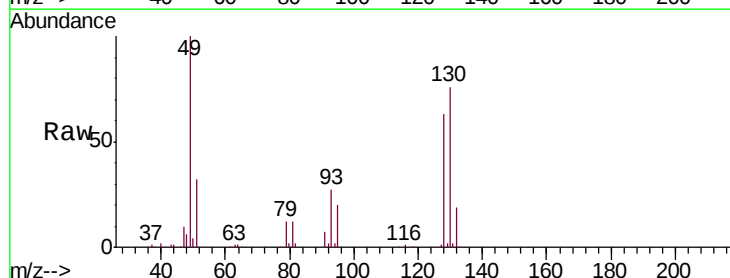
Ion Ratio Lower Upper

128 100

49 159.9 124.0 230.4

130 122.1 89.7 166.5

51 50.5 45.2 67.8



Abundance Ion 128.00 (127.70 to 128.70): VU031354.D (-1059) (-)

Ion 49.00 (48.70 to 49.70): VU031354.D (-1059) (-)

Ion 130.00 (129.70 to 130.70): VU031354.D (-1059) (-)

Ion 51.00 (50.70 to 51.70): VU031354.D (-1059) (-)

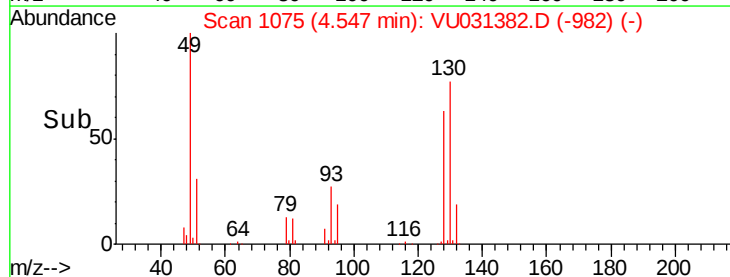
4.55

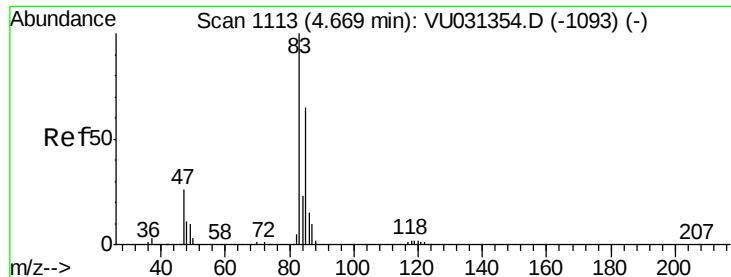
100000

50000

0

Time-->





#25

Chloroform

Concen: 45.420 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

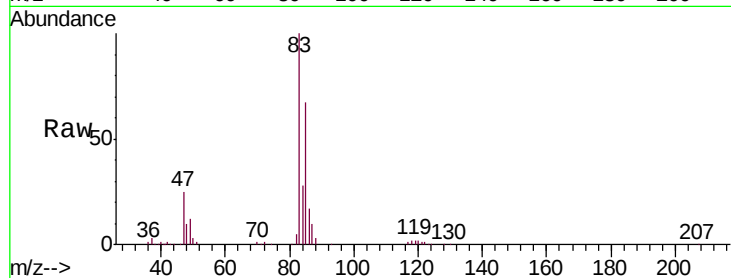
VSTD05044

Tgt Ion: 83 Resp: 442079

Ion Ratio Lower Upper

83 100

85 66.6 44.8 83.2



Abundance Ion 83.00 (82.70 to 83.70): VU031354.D (-1093) (-)

Ion 85.00 (84.70 to 85.70): VU031354.D (-1093) (-)

4.67

200000

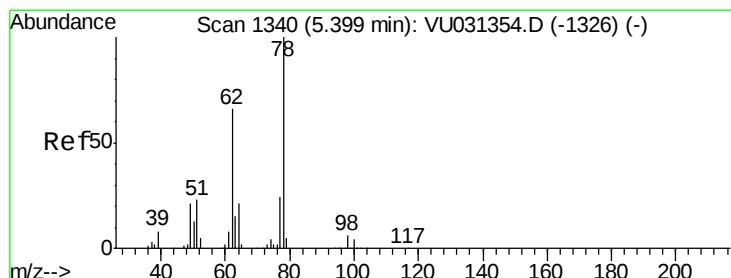
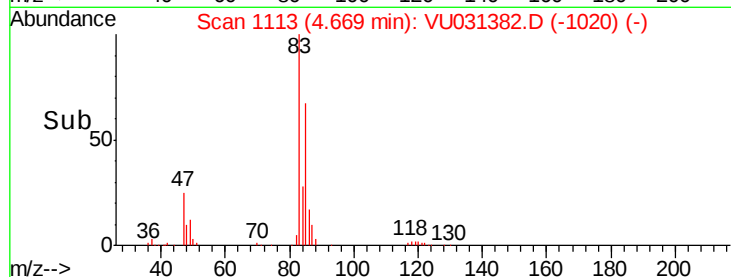
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 43.813 ug/L

RT: 5.40 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VU031382.D

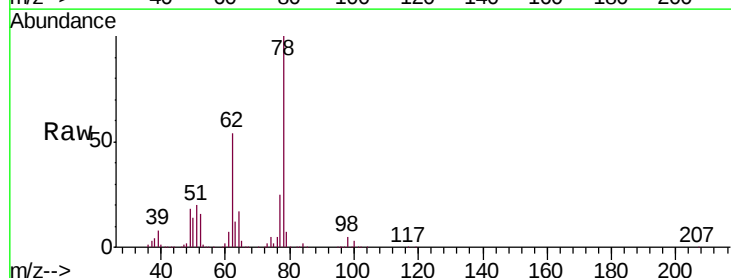
Acq: 22 Apr 2019 10:03

Tgt Ion: 62 Resp: 324354

Ion Ratio Lower Upper

62 100

98 10.1 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VU031354.D (-1326) (-)

Ion 98.00 (97.70 to 98.70): VU031354.D (-1326) (-)

5.40

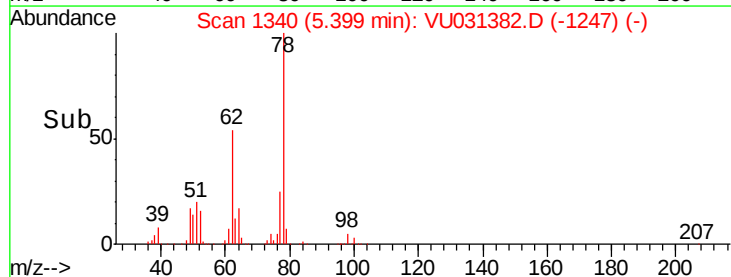
150000

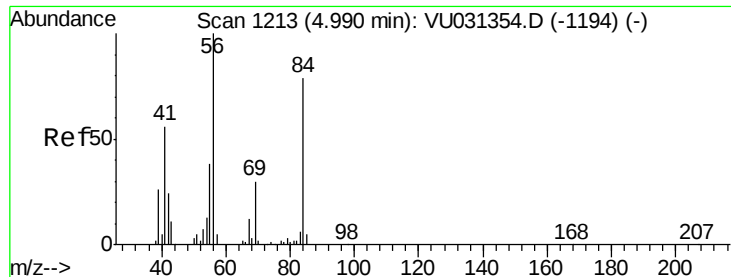
100000

50000

0

Time-->

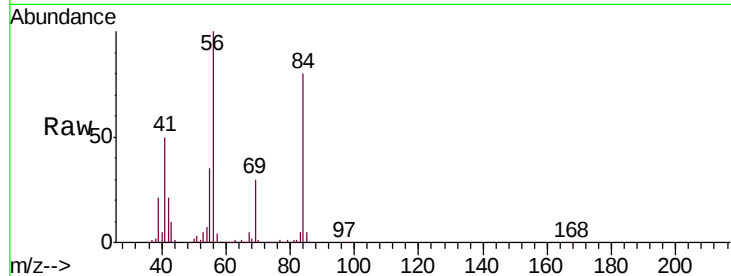




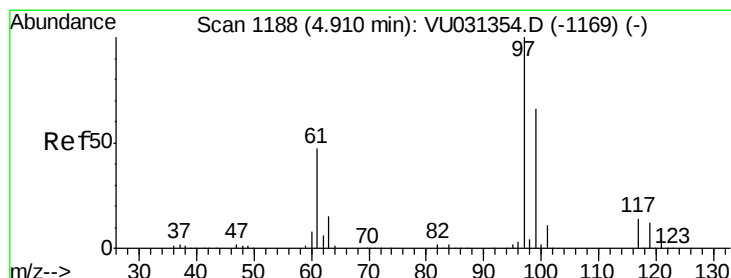
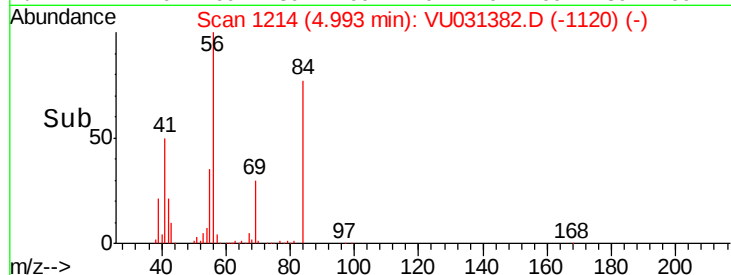
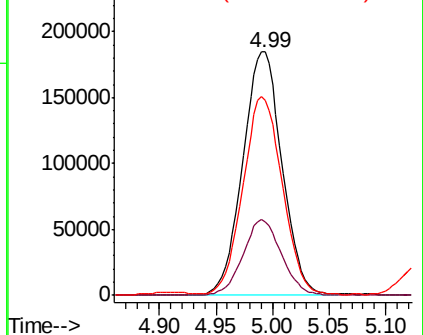
#29
Cyclohexane
Concen: 58.456 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU031382.D
Acq: 22 Apr 2019 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

Tgt Ion: 56 Resp: 446005
Ion Ratio Lower Upper
56 100
69 30.3 23.0 34.6
84 81.6 61.8 92.6

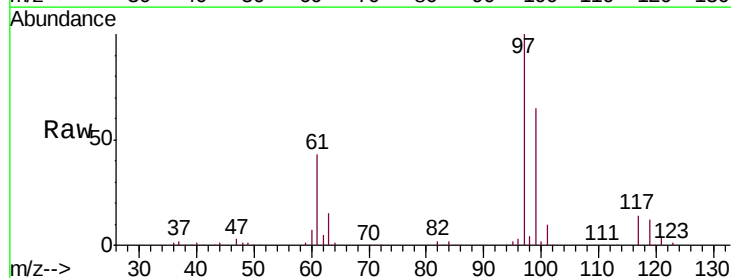


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

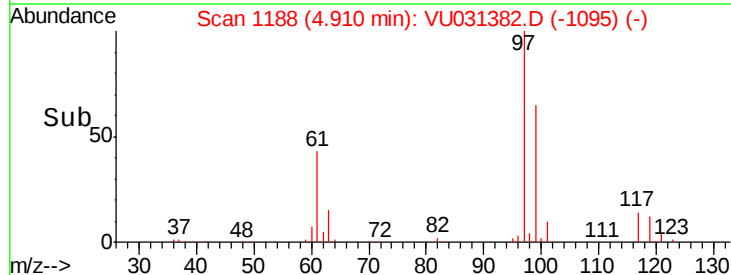
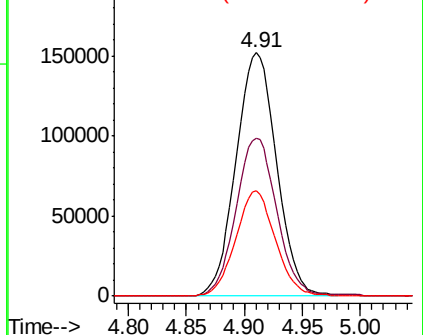


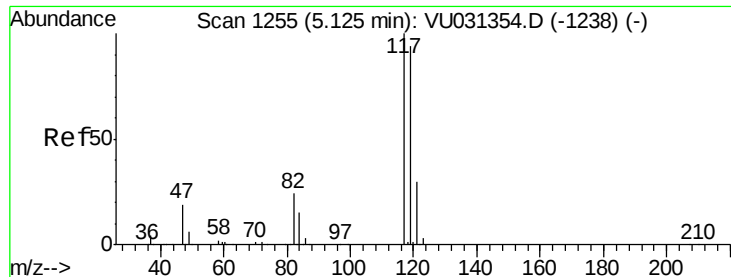
#30
1,1,1-Trichloroethane
Concen: 51.803 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU031382.D
Acq: 22 Apr 2019 10:03

Tgt Ion: 97 Resp: 371833
Ion Ratio Lower Upper
97 100
99 65.1 51.4 77.2
61 42.3 35.0 52.4



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0

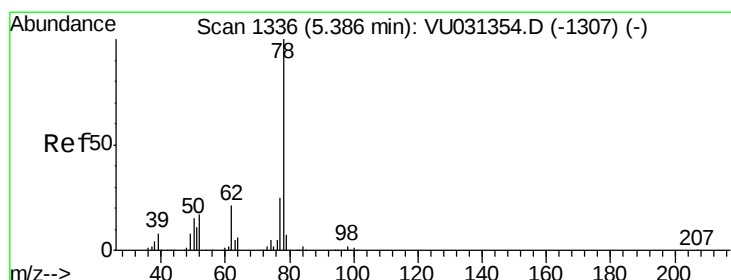
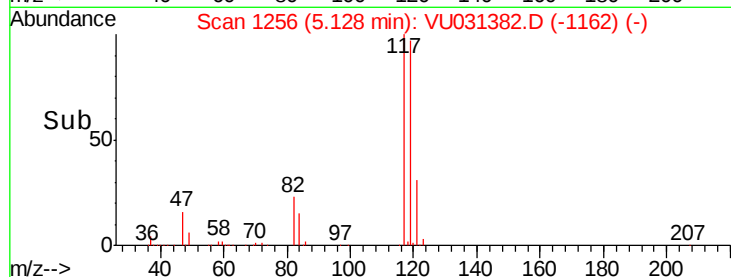
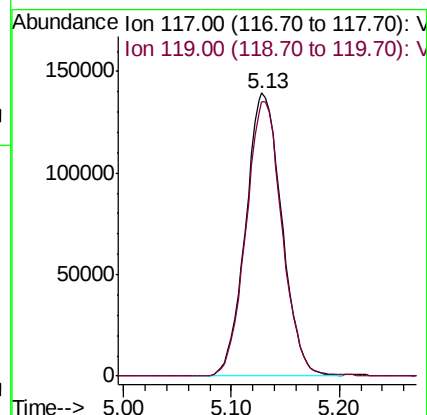
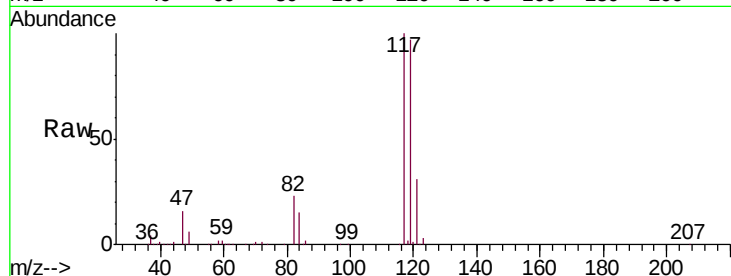




#31
Carbon tetrachloride
Concen: 52.240 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU031382.D
Acq: 22 Apr 2019 10:03

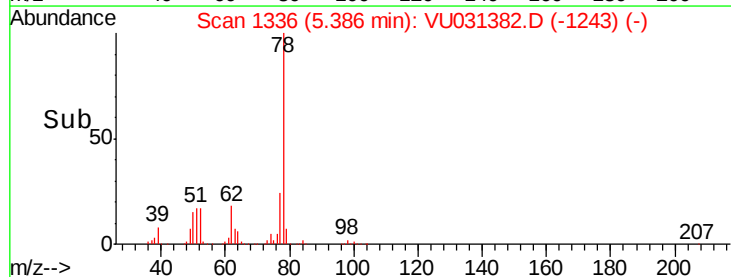
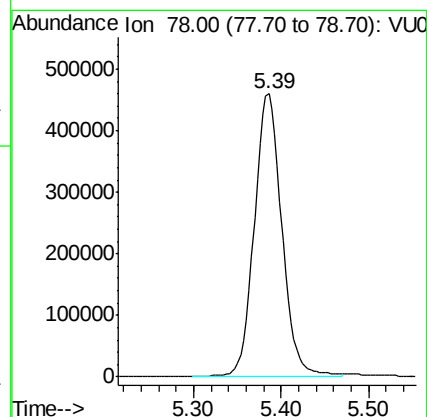
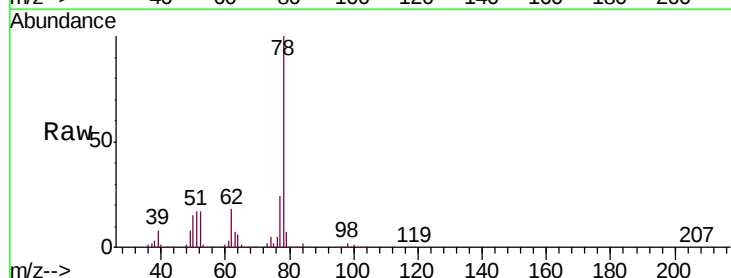
Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

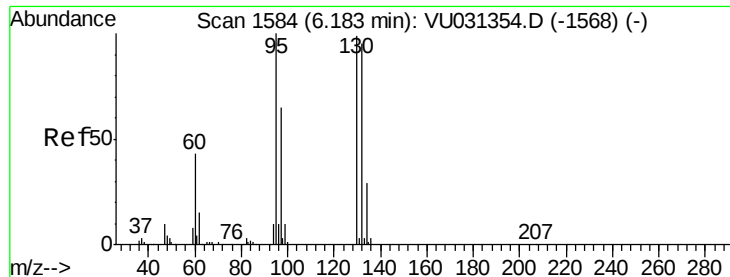
Tgt Ion:117 Resp: 324423
Ion Ratio Lower Upper
117 100
119 96.8 78.0 117.0



#33
Benzene
Concen: 55.293 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU031382.D
Acq: 22 Apr 2019 10:03

Tgt Ion: 78 Resp: 1008824





#34

Trichloroethene

Concen: 56.693 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

Tgt Ion: 95 Resp: 258805

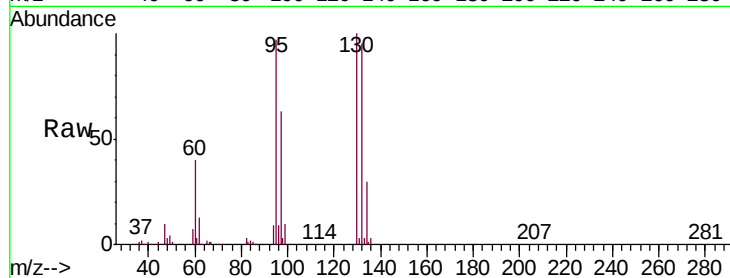
Ion Ratio Lower Upper

95 100

97 65.1 43.6 81.0

132 98.0 64.5 119.7

130 103.3 68.0 126.2



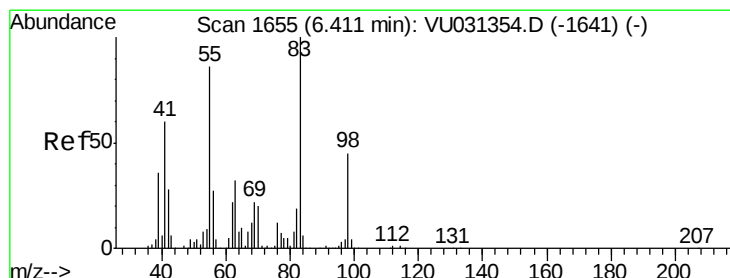
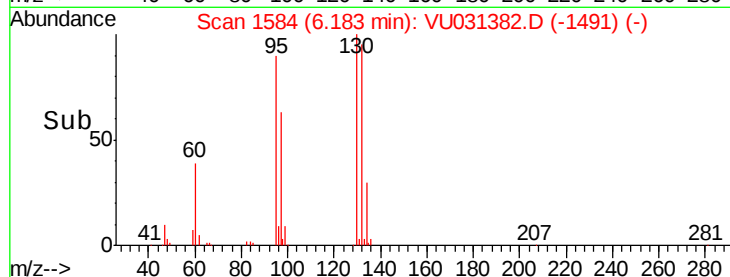
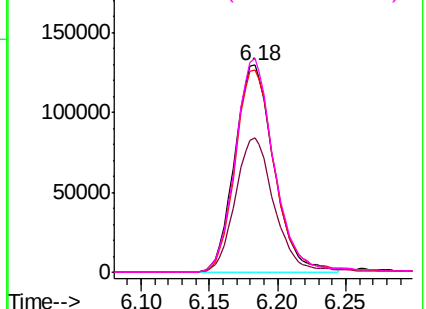
Abundance

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: 61.049 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

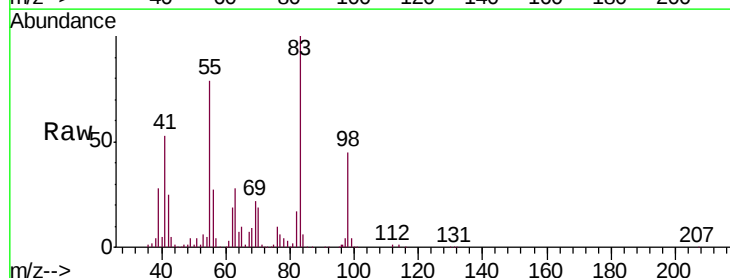
Tgt Ion: 83 Resp: 414908

Ion Ratio Lower Upper

83 100

55 79.6 67.0 100.4

98 46.3 36.9 55.3

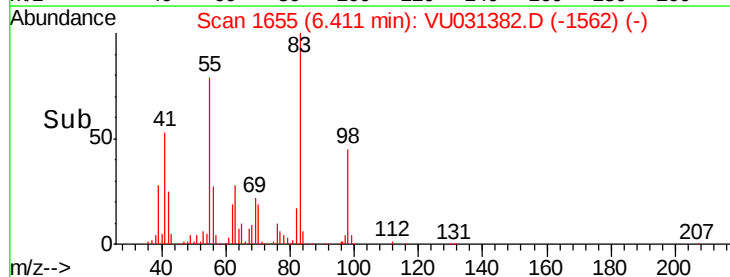
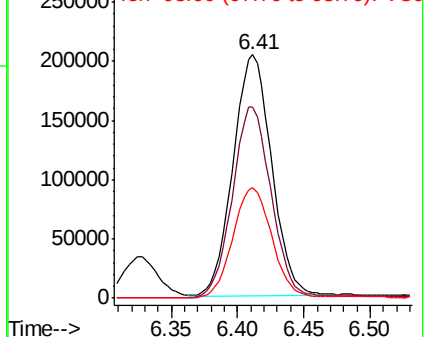


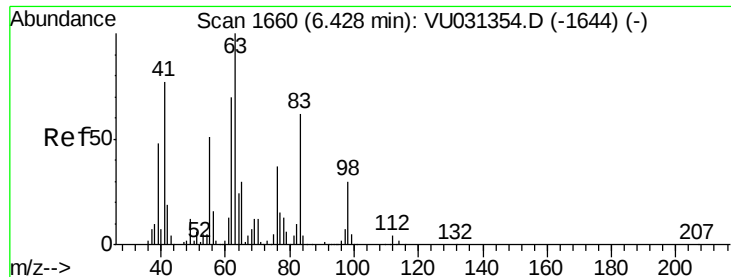
Abundance

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: 55.832 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

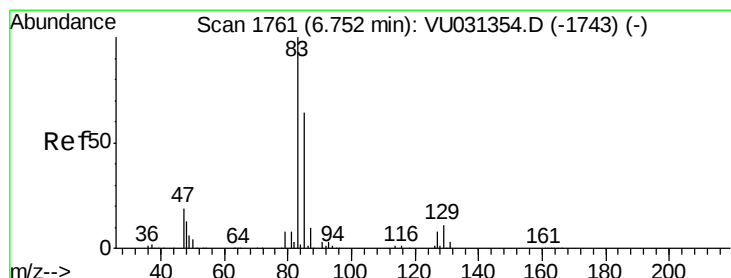
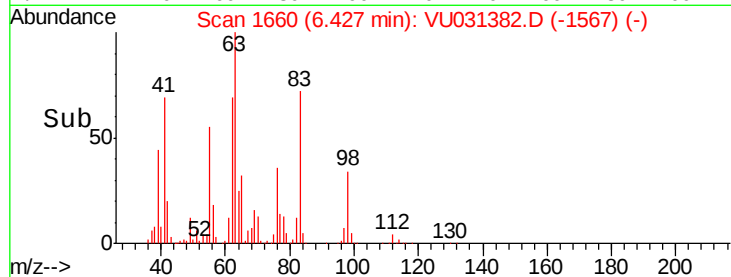
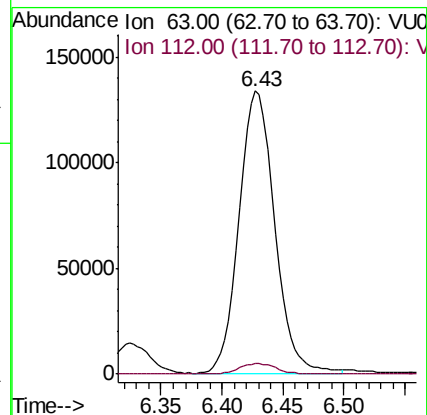
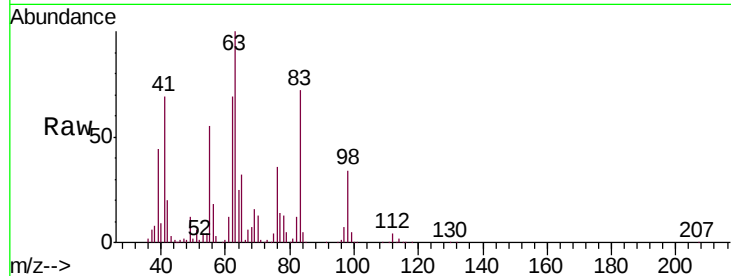
VSTD05044

Tgt Ion: 63 Resp: 269768

Ion Ratio Lower Upper

63 100

112 3.9 3.3 4.9



#38

Bromodichloromethane

Concen: 53.023 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

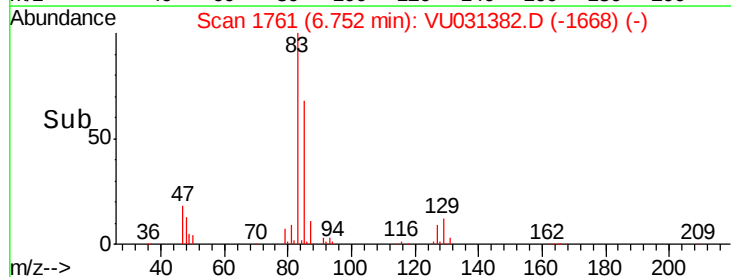
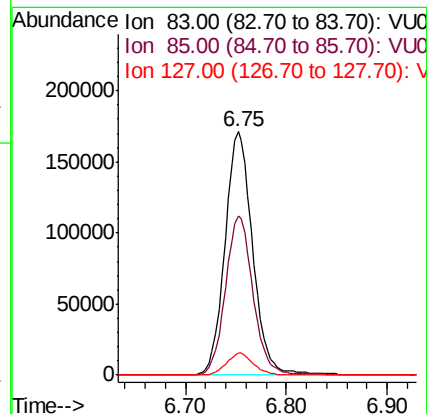
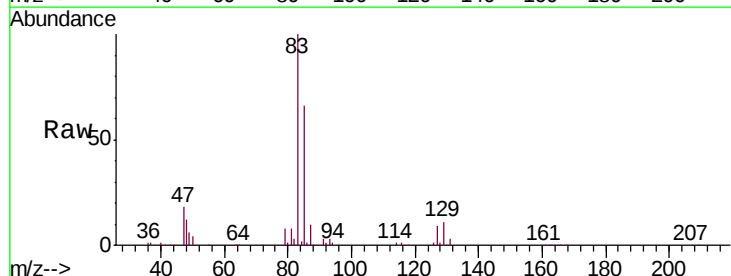
Tgt Ion: 83 Resp: 325631

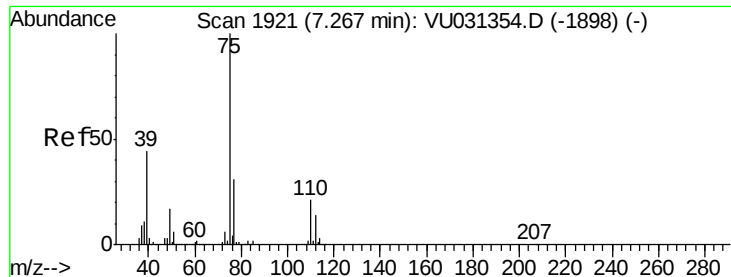
Ion Ratio Lower Upper

83 100

85 65.5 44.5 82.7

127 8.9 6.6 9.8



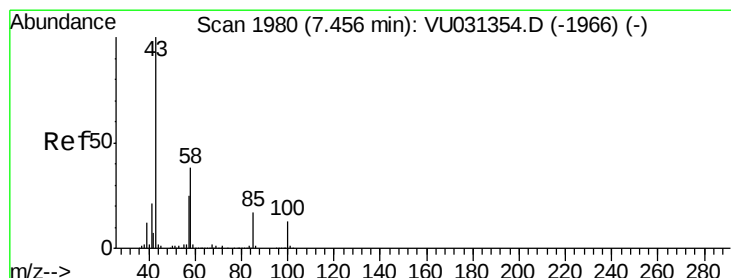
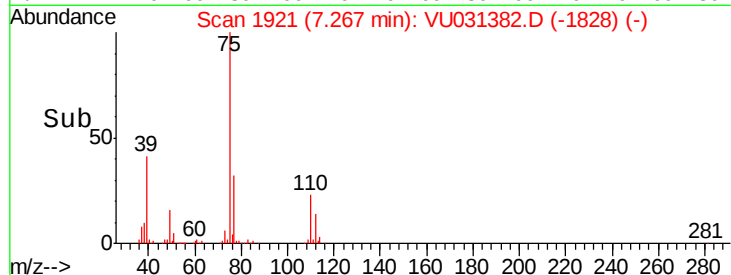
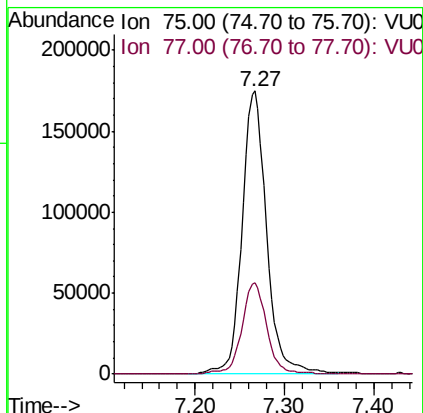
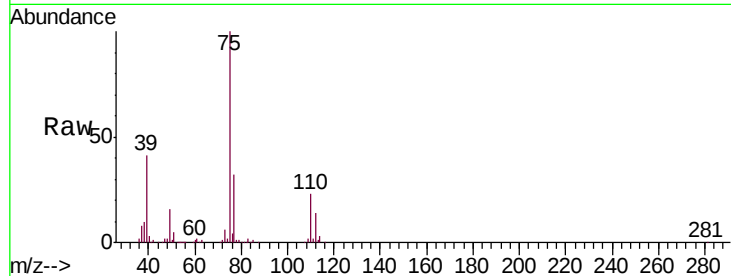


#39

cis-1,3-Dichloropropene
 Concen: 46.440 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU031382.D
 Acq: 22 Apr 2019 10:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

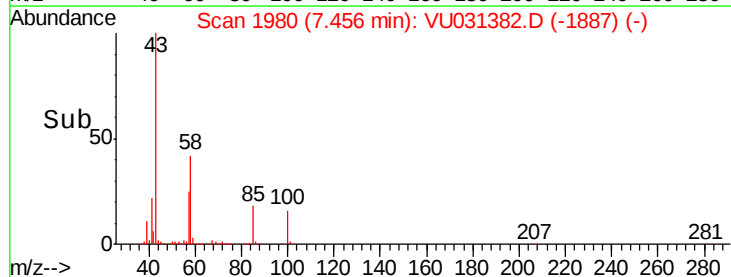
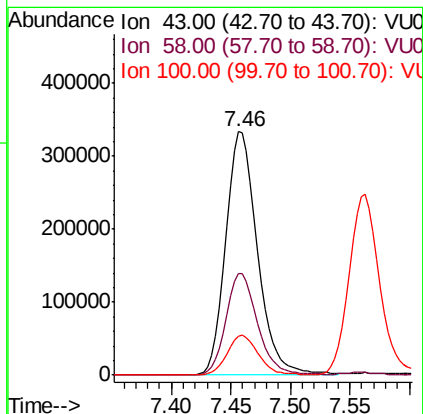
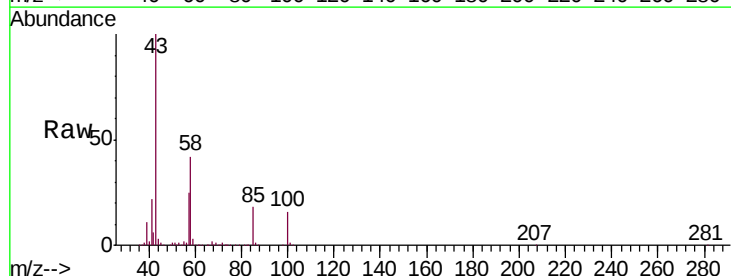
Tgt Ion: 75 Resp: 336261
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.7 42.1

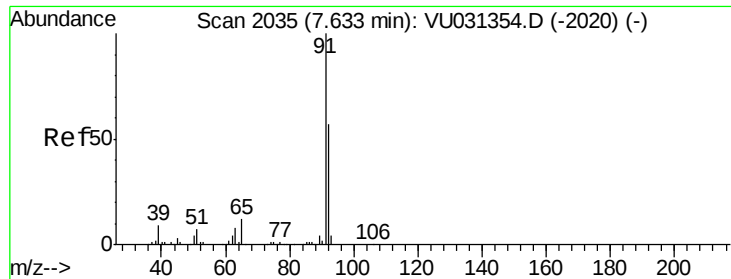


#40

4-Methyl-2-pentanone
 Concen: 90.853 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU031382.D
 Acq: 22 Apr 2019 10:03

Tgt Ion: 43 Resp: 619339
 Ion Ratio Lower Upper
 43 100
 58 41.5 31.0 46.4
 100 16.2 10.6 16.0#





#42

Toluene

Concen: 46.634 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

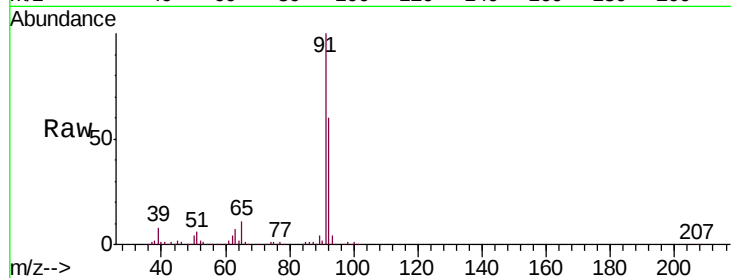
VSTD05044

Tgt Ion: 91 Resp: 846340

Ion Ratio Lower Upper

91 100

92 59.6 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VU031354.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU031354.D (-2020) (-)

7.63

500000

400000

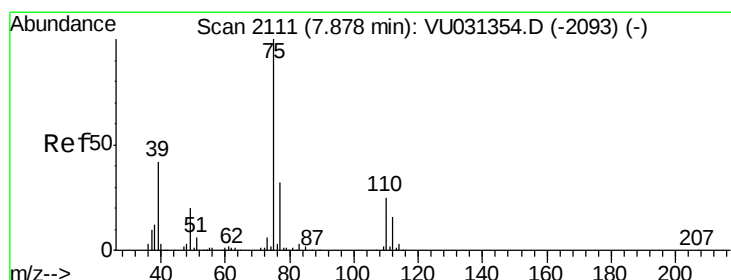
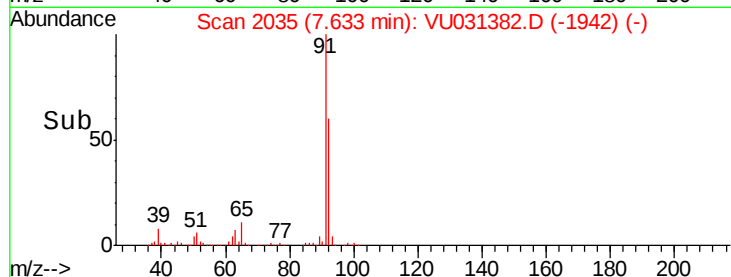
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 45.622 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU031382.D

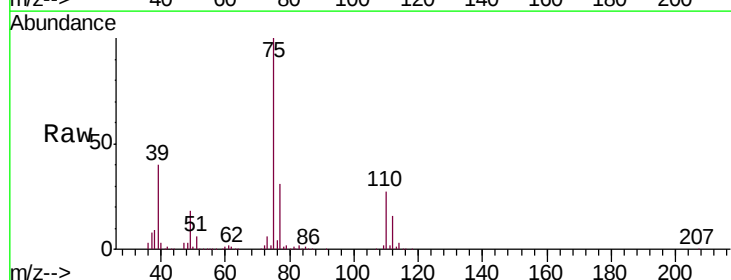
Acq: 22 Apr 2019 10:03

Tgt Ion: 75 Resp: 286824

Ion Ratio Lower Upper

75 100

77 31.0 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU031354.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU031354.D (-2093) (-)

7.88

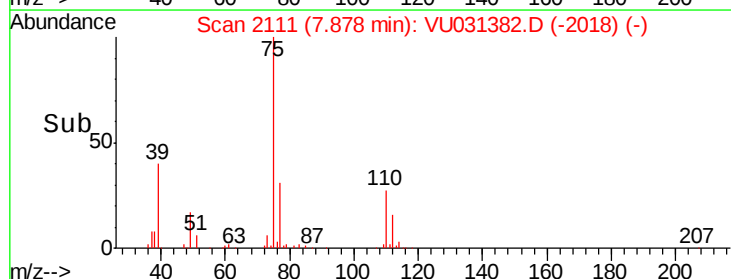
150000

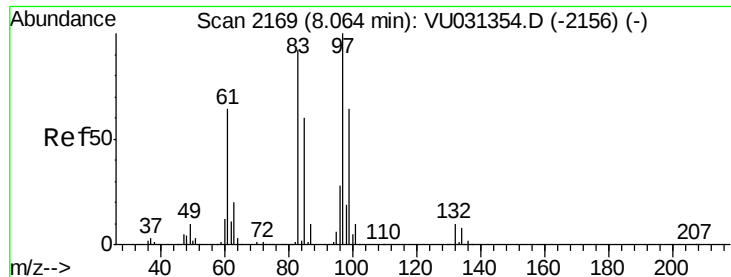
100000

50000

0

Time-->

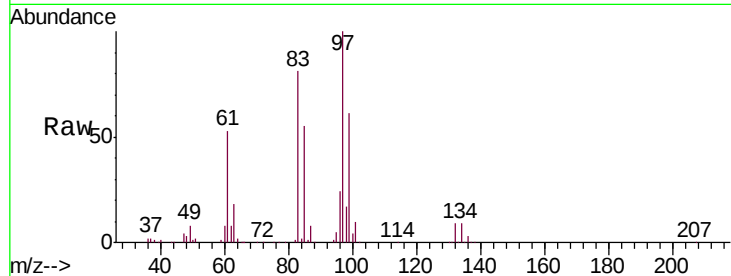




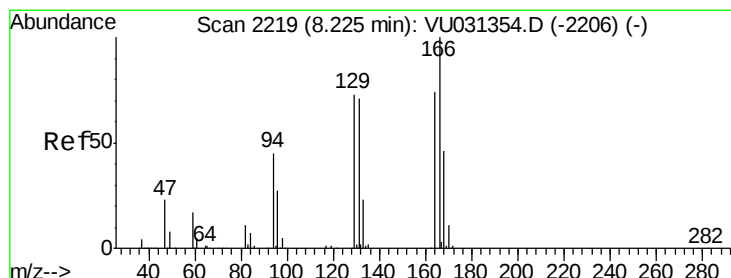
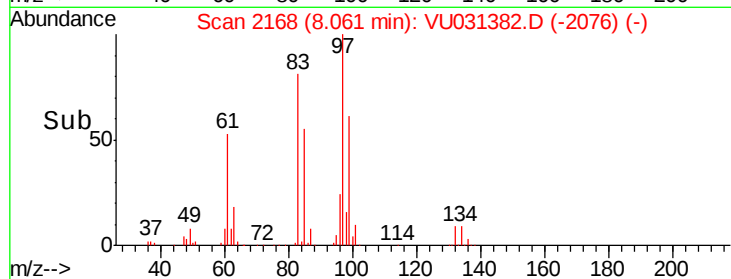
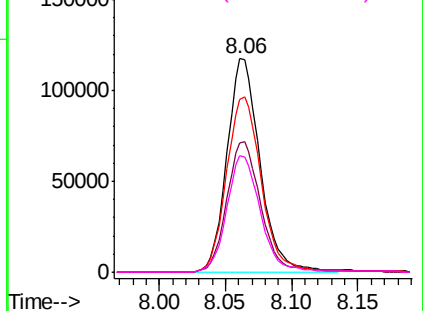
#45
 1,1,2-Trichloroethane
 Concen: 47.121 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU031382.D
 Acq: 22 Apr 2019 10:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Tgt Ion:	97	Resp:	204920
Ion	Ratio	Lower	Upper
97	100		
99	60.8	42.2	78.4
83	80.9	59.8	111.1
85	54.7	39.5	73.4

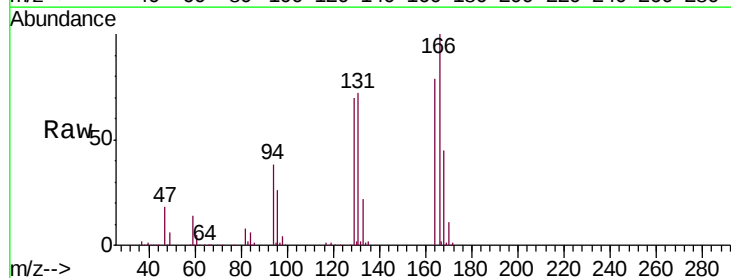


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

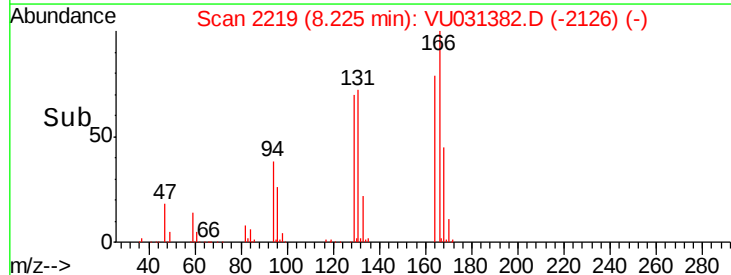
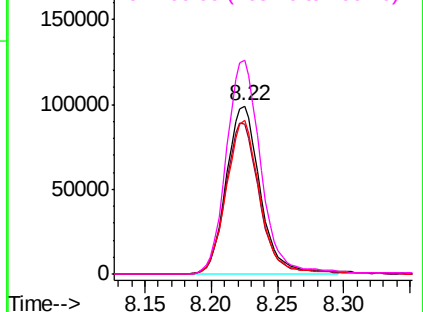


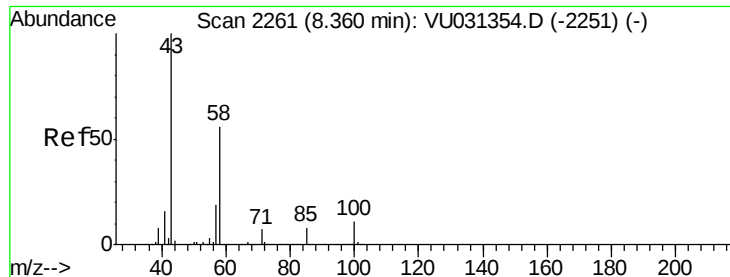
#46
 Tetrachloroethene
 Concen: 51.315 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU031382.D
 Acq: 22 Apr 2019 10:03

Tgt Ion:	164	Resp:	176191
Ion	Ratio	Lower	Upper
164	100		
129	89.0	66.5	123.5
131	91.3	62.3	115.7
166	127.4	90.6	168.3



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

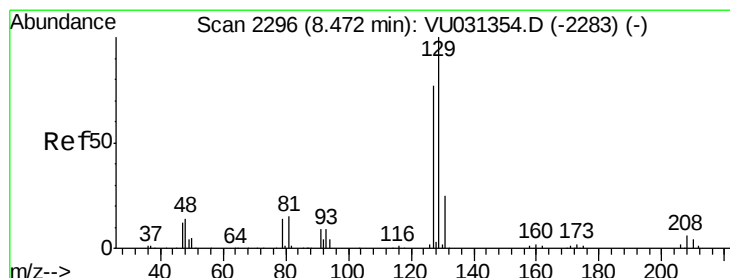
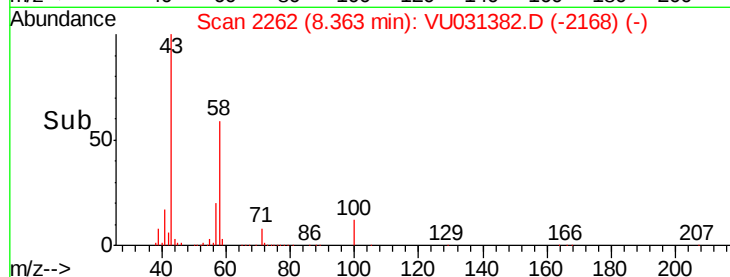
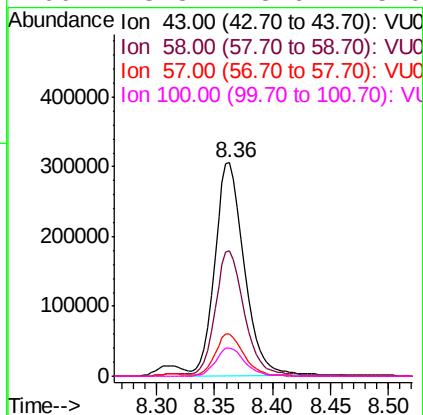
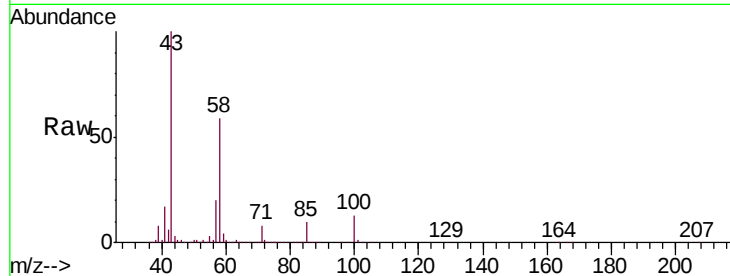




#48
2-Hexanone
Concen: 99.858 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU031382.D
Acq: 22 Apr 2019 10:03

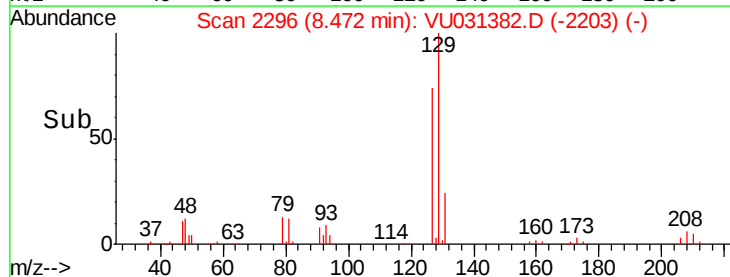
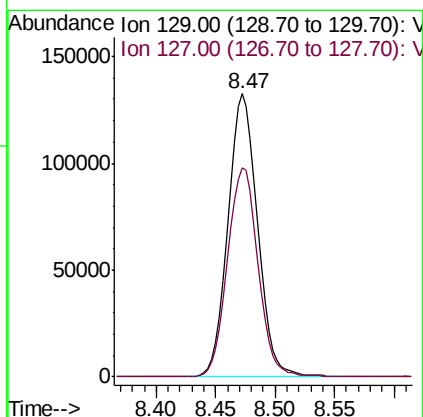
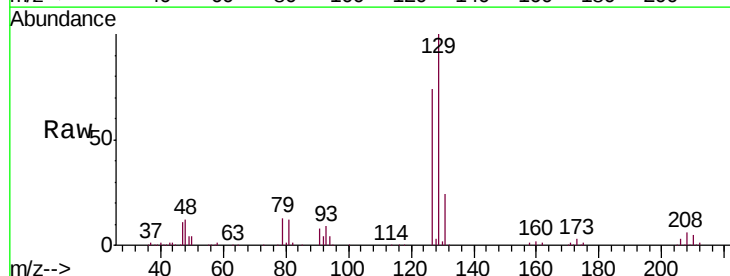
Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

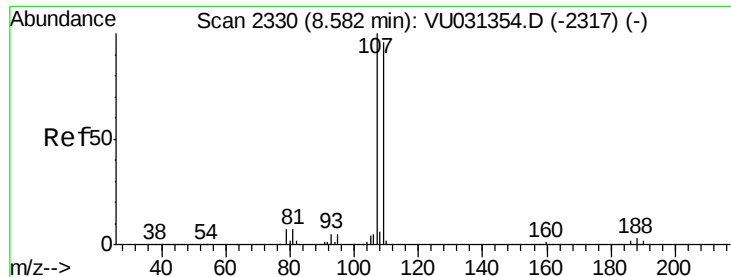
Tgt Ion: 43 Resp: 541412
Ion Ratio Lower Upper
43 100
58 57.7 44.9 67.3
57 19.2 15.1 22.7
100 13.3 8.6 13.0#



#49
Dibromochloromethane
Concen: 48.682 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU031382.D
Acq: 22 Apr 2019 10:03

Tgt Ion: 129 Resp: 228827
Ion Ratio Lower Upper
129 100
127 73.9 53.6 99.6

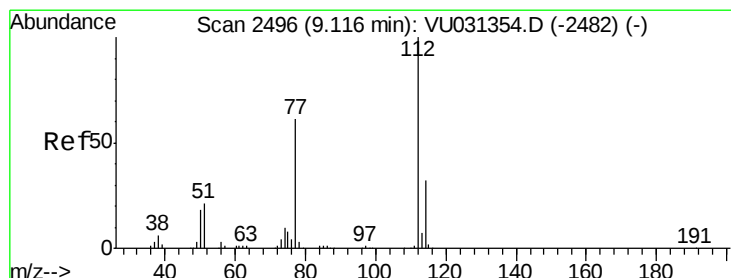
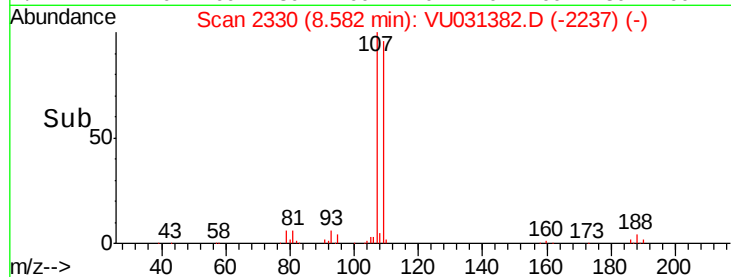
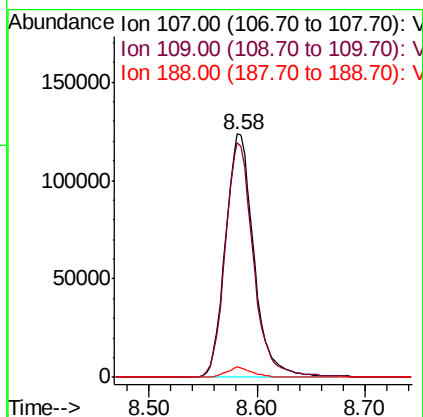
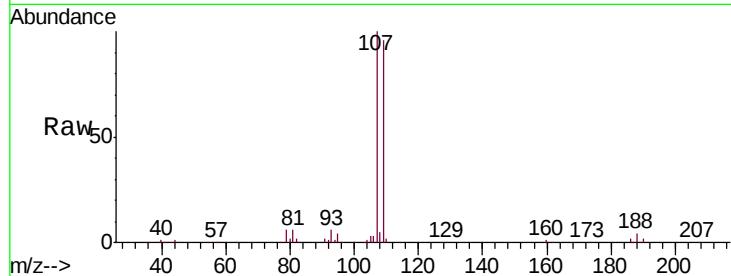




#50
1,2-Dibromoethane
Concen: 49.414 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU031382.D
Acq: 22 Apr 2019 10:03

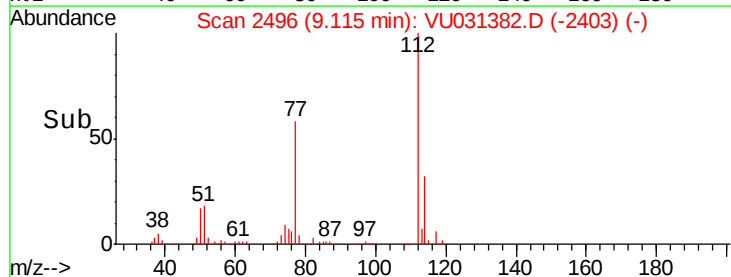
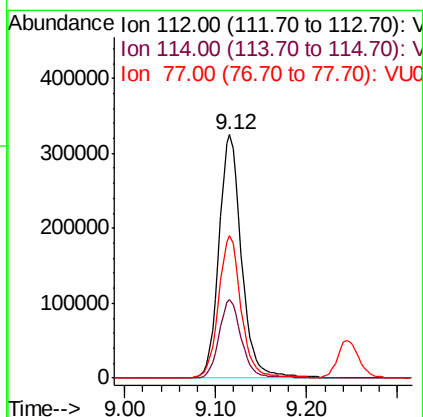
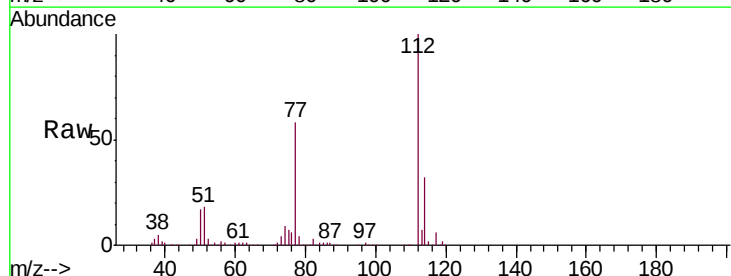
Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

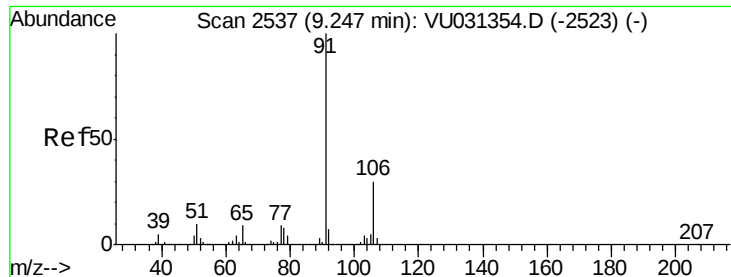
Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.4	65.0	120.8
188	4.2	2.9	4.3



#51
Chlorobenzene
Concen: 49.500 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU031382.D
Acq: 22 Apr 2019 10:03

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	21.6	40.0
77	58.3	49.0	73.4





#52

Ethylbenzene

Concen: 50.483 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

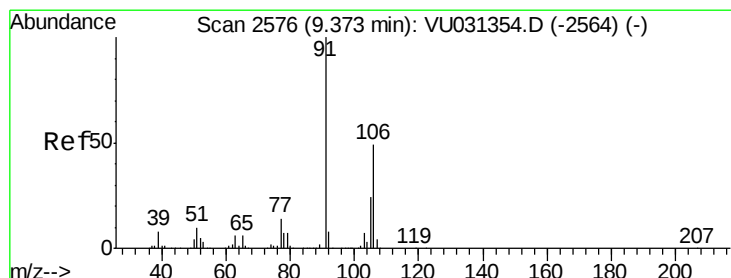
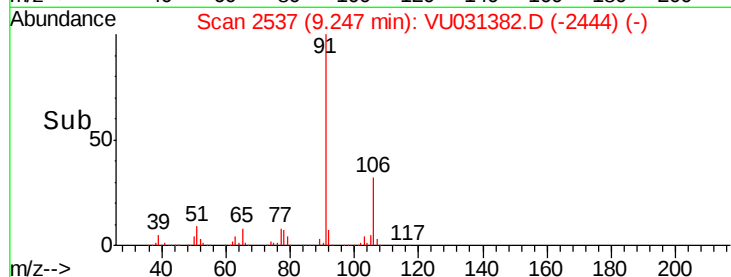
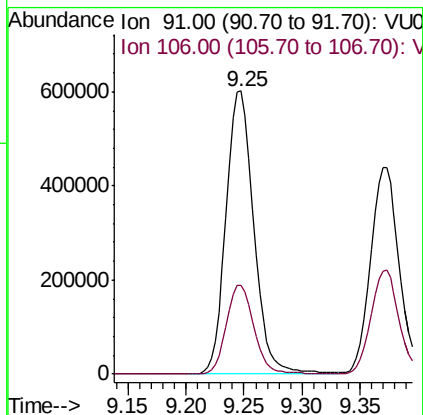
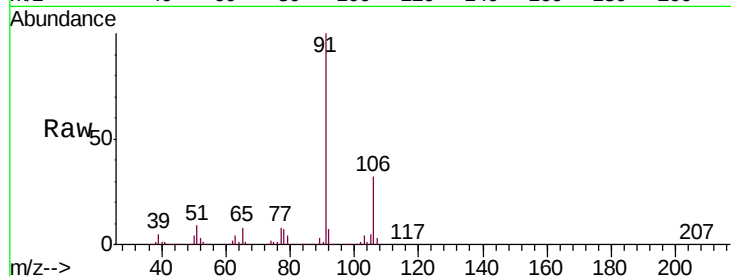
VSTD05044

Tgt Ion: 91 Resp: 997397

Ion Ratio Lower Upper

91 100

106 31.6 20.9 38.7



#53

m,p-Xylene

Concen: 54.336 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU031382.D

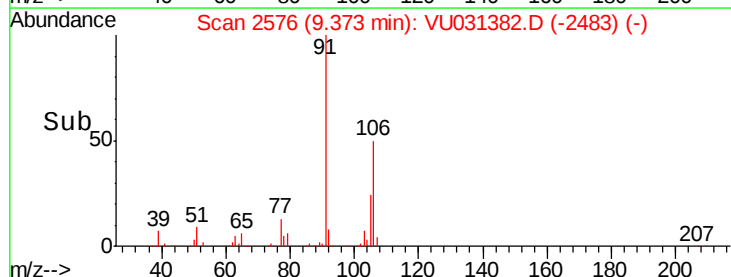
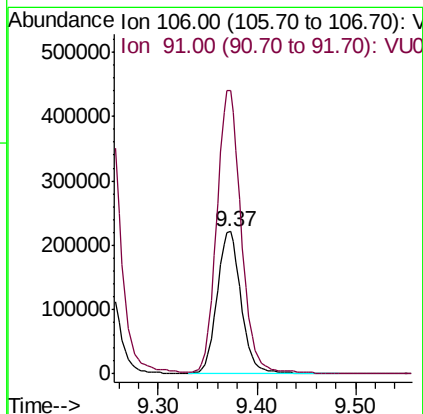
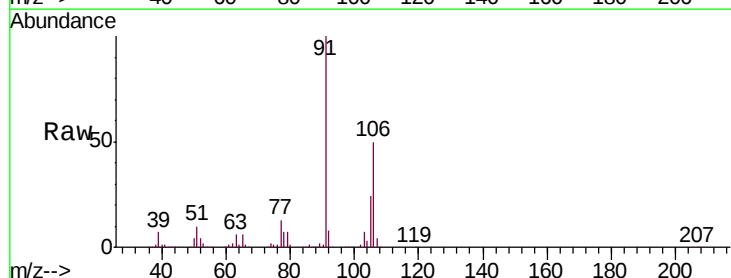
Acq: 22 Apr 2019 10:03

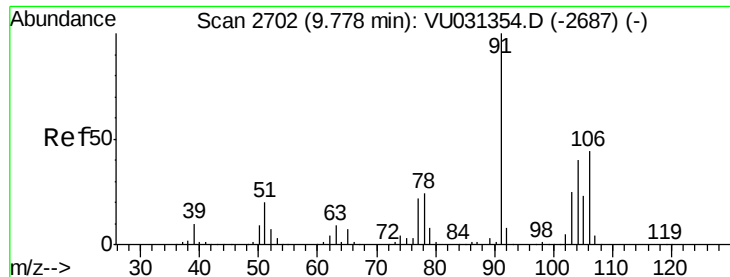
Tgt Ion: 106 Resp: 378842

Ion Ratio Lower Upper

106 100

91 198.6 144.5 268.4





#54

o-xylene

Concen: 52.519 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

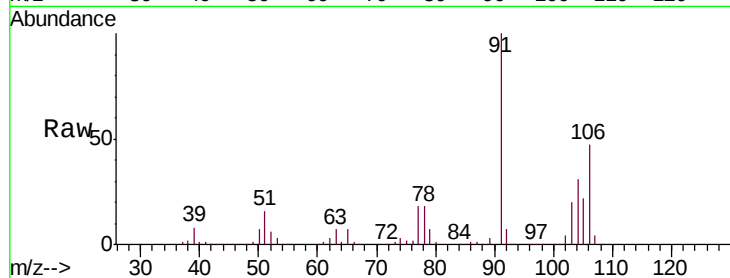
VSTD05044

Tgt Ion:106 Resp: 370809

Ion Ratio Lower Upper

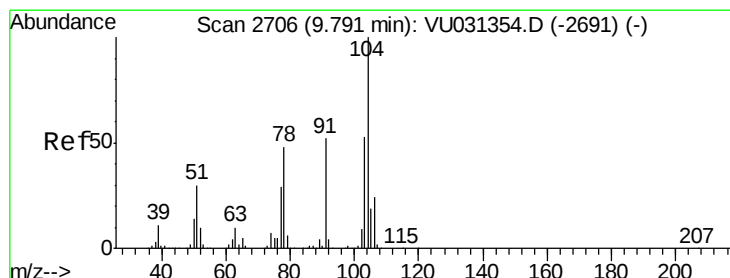
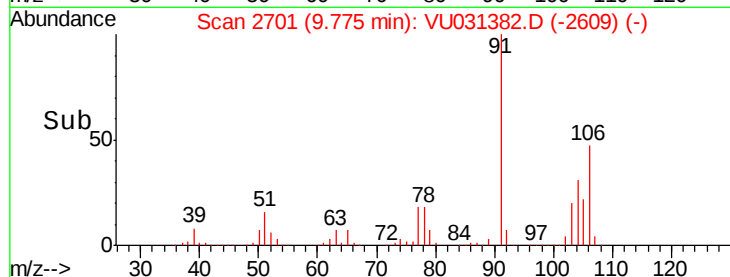
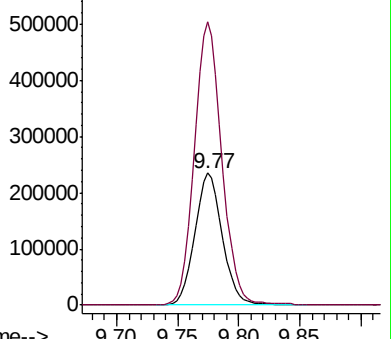
106 100

91 214.1 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 53.104 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU031382.D

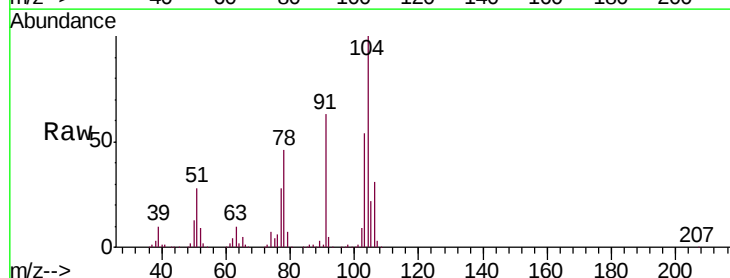
Acq: 22 Apr 2019 10:03

Tgt Ion:104 Resp: 632912

Ion Ratio Lower Upper

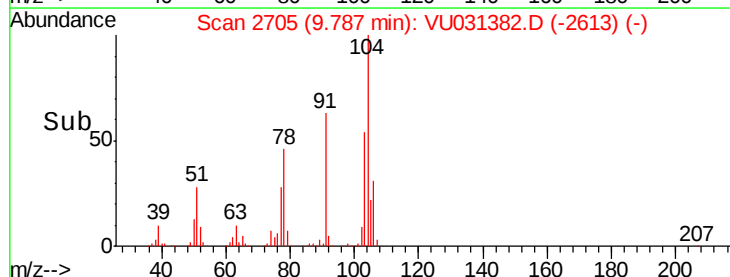
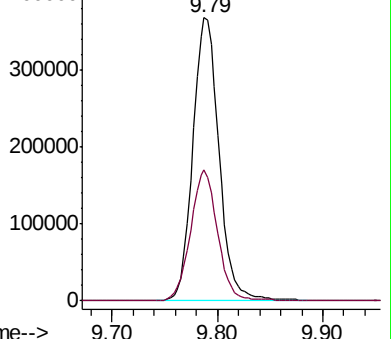
104 100

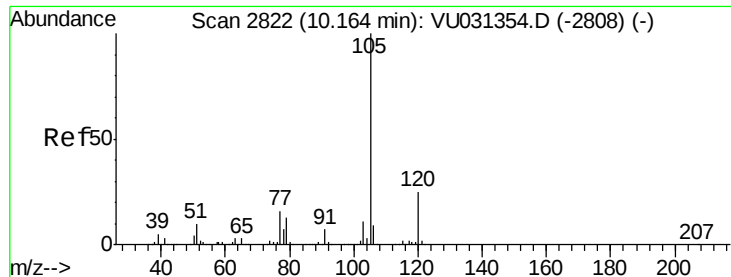
78 46.1 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 54.385 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

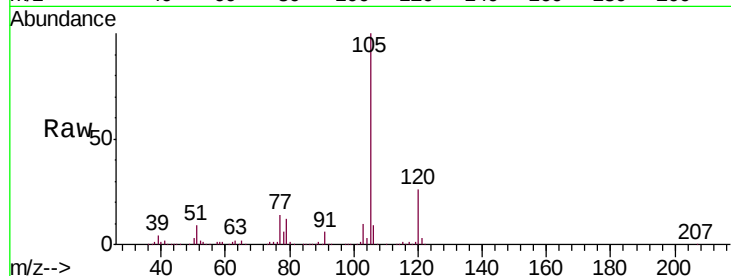
Tgt Ion: 105 Resp: 984218

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

77 14.4 13.0 19.4

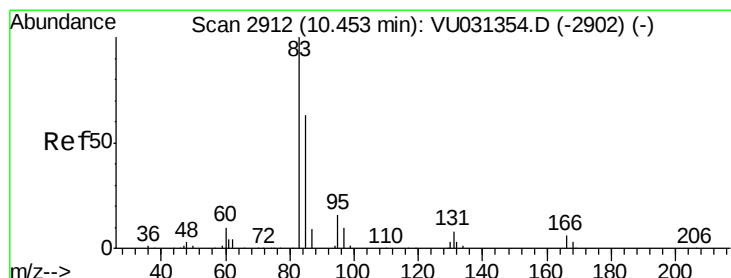
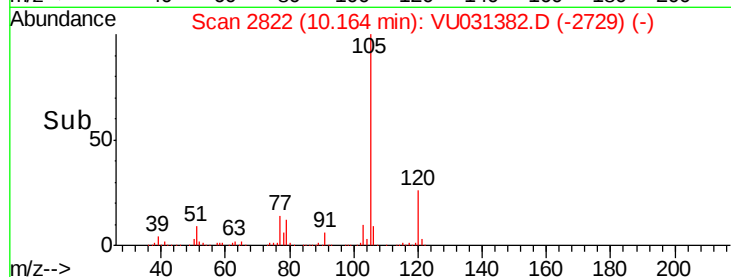
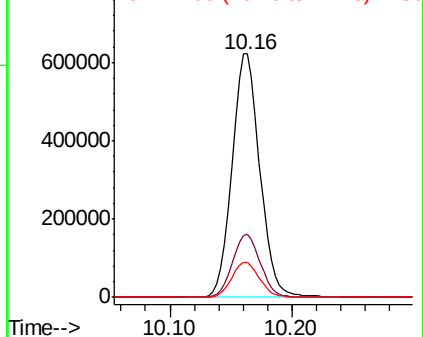


Abundance

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: 47.971 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

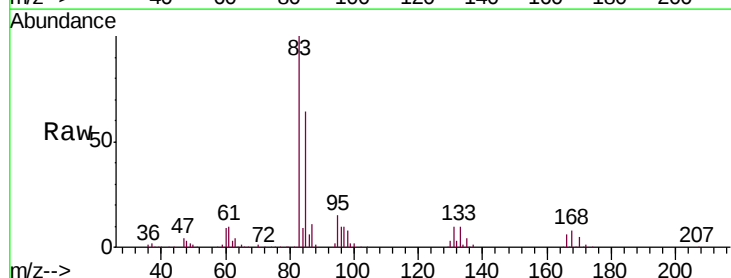
Tgt Ion: 83 Resp: 359225

Ion Ratio Lower Upper

83 100

85 64.3 45.4 84.4

131 10.2 7.4 11.0

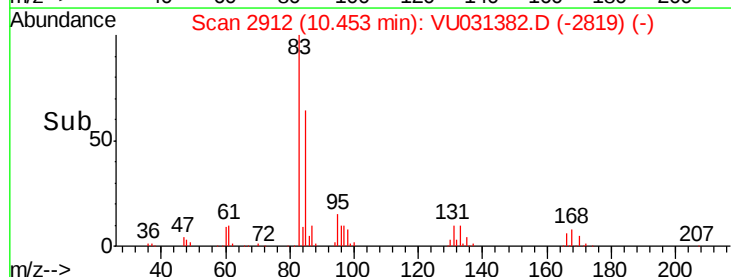
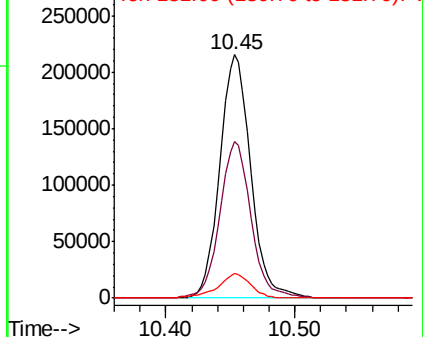


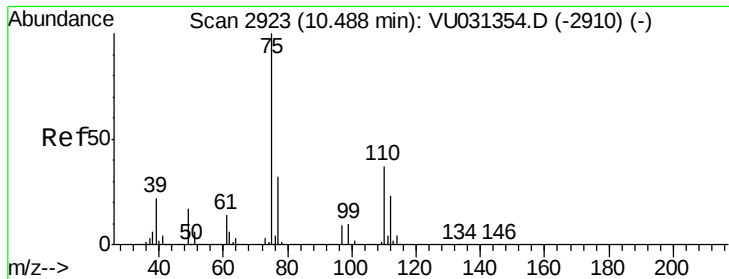
Abundance

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: 48.288 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

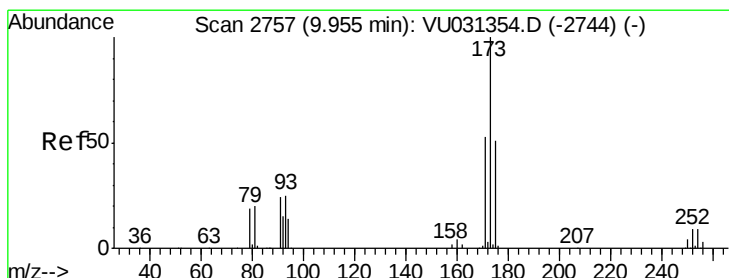
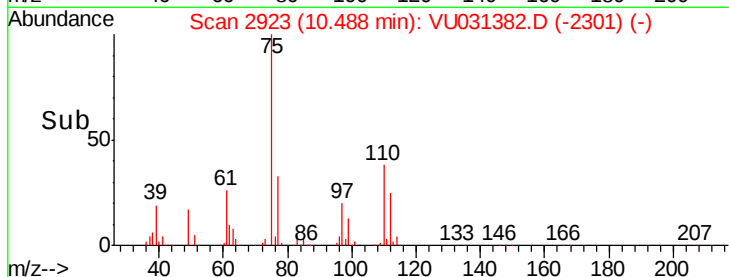
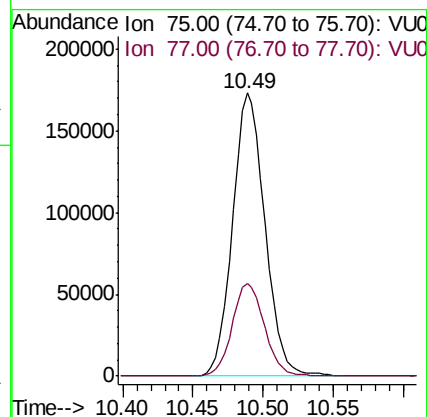
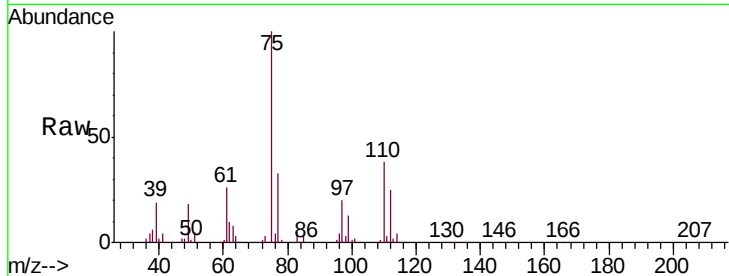
VSTD05044

Tgt Ion: 75 Resp: 277504

Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.2



#61

Bromoform

Concen: 49.316 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

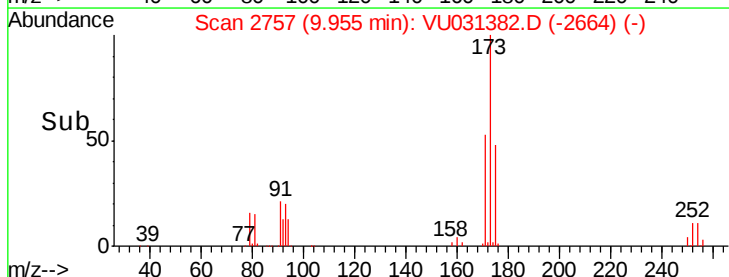
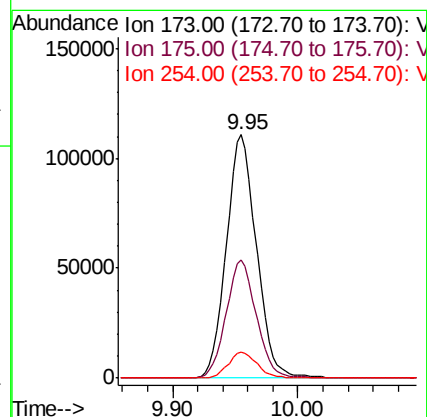
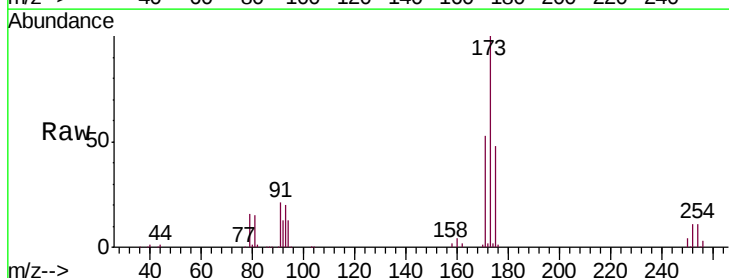
Tgt Ion: 173 Resp: 185181

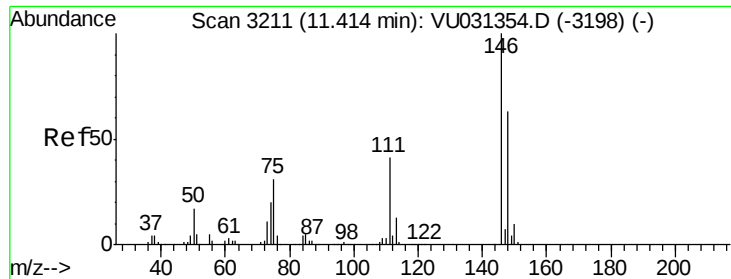
Ion Ratio Lower Upper

173 100

175 48.6 37.8 56.8

254 10.2 7.2 10.8





#62

1,3-Dichlorobenzene

Concen: 50.557 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

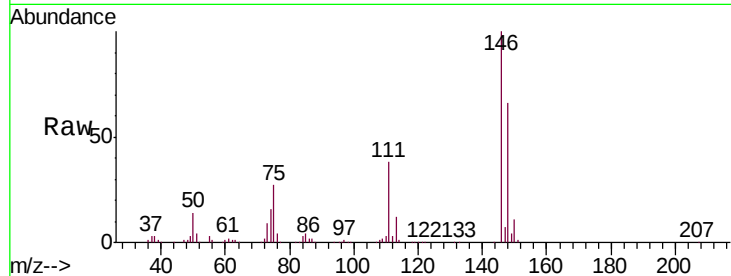
Tgt Ion:146 Resp: 453192

Ion Ratio Lower Upper

146 100

111 37.6 28.7 53.3

148 65.9 44.0 81.6

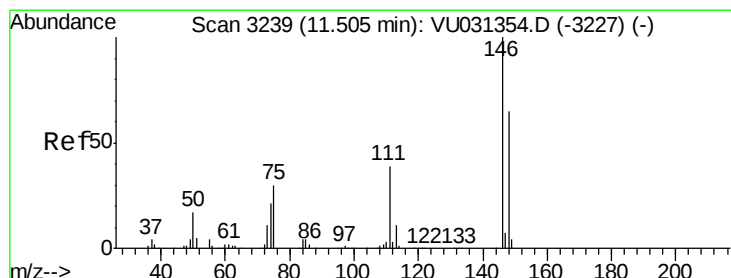
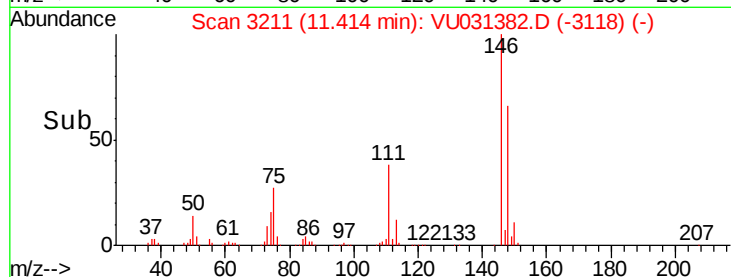
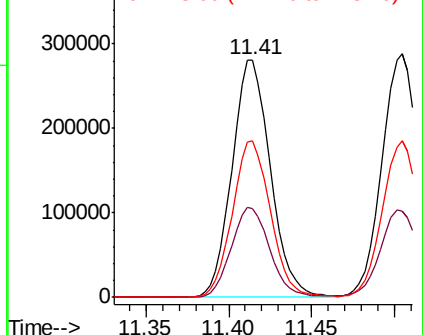


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 51.554 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

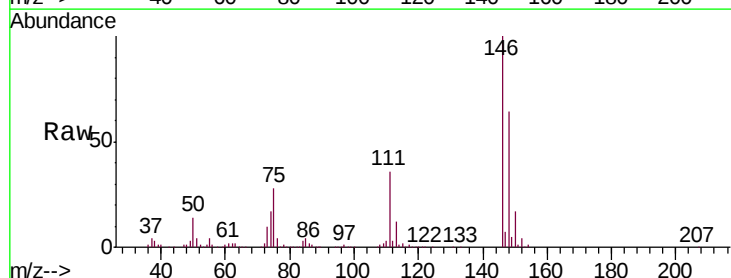
Tgt Ion:146 Resp: 463339

Ion Ratio Lower Upper

146 100

111 35.5 27.4 50.8

148 64.1 44.5 82.7

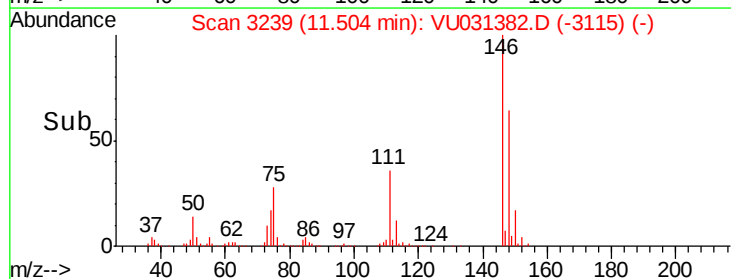
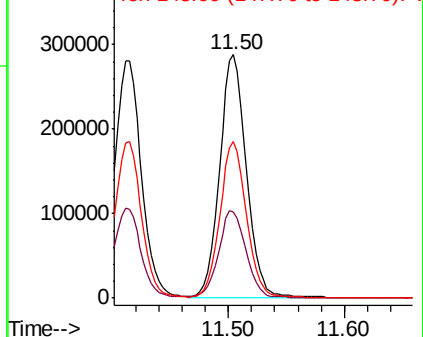


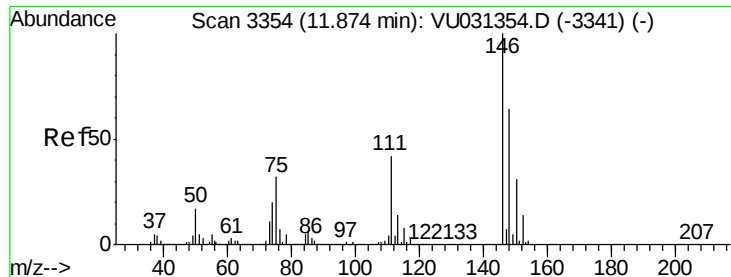
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

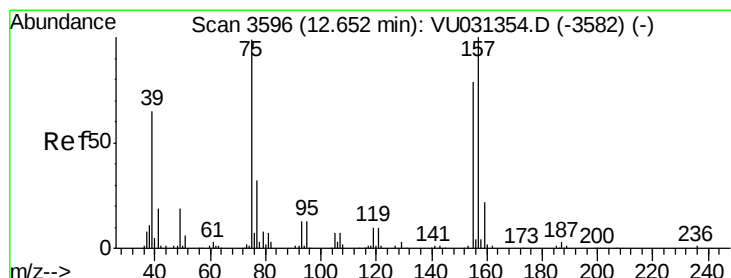
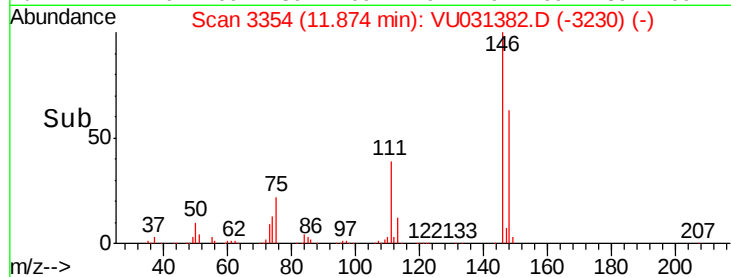
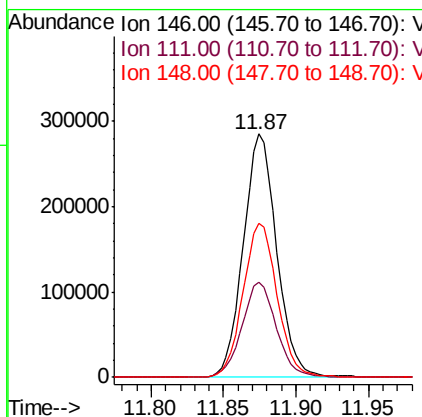
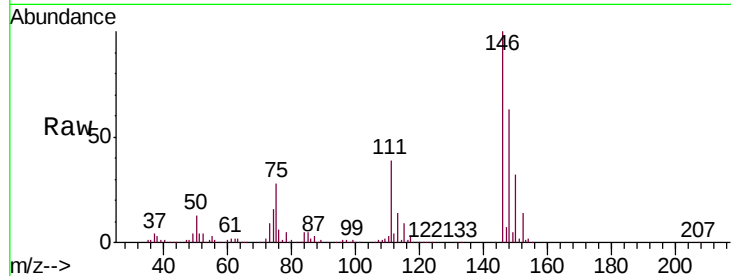




#65
 1,2-Dichlorobenzene
 Concen: 48.445 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU031382.D
 Acq: 22 Apr 2019 10:03

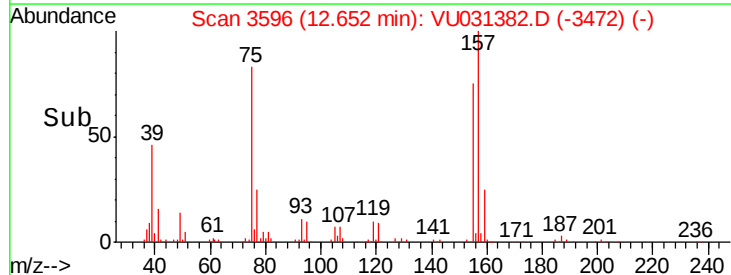
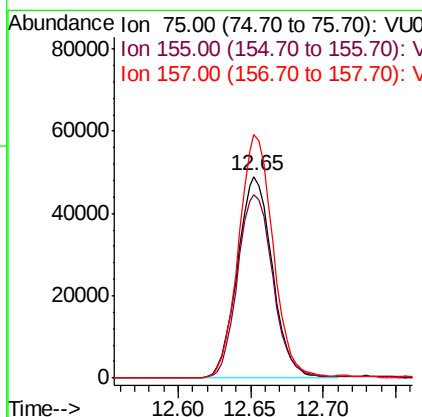
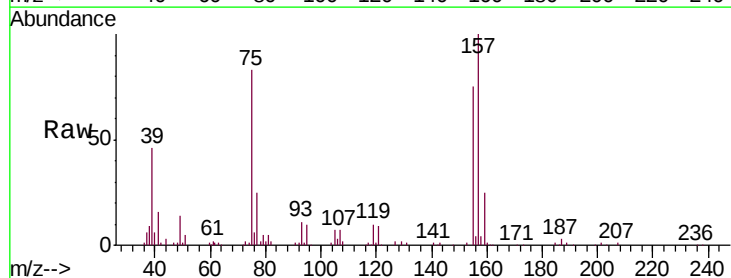
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

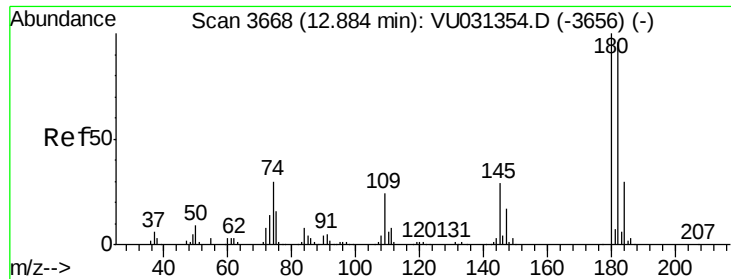
Tgt Ion:146 Resp: 456764
 Ion Ratio Lower Upper
 146 100
 111 39.3 33.4 50.2
 148 63.2 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.779 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU031382.D
 Acq: 22 Apr 2019 10:03

Tgt Ion: 75 Resp: 82353
 Ion Ratio Lower Upper
 75 100
 155 91.0 66.7 100.1
 157 120.9 86.5 129.7

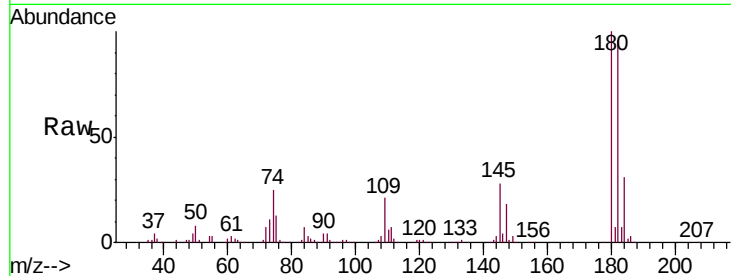




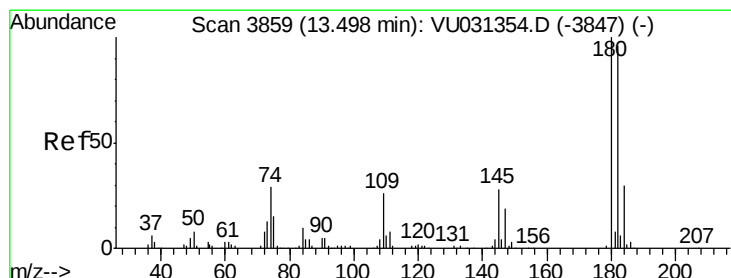
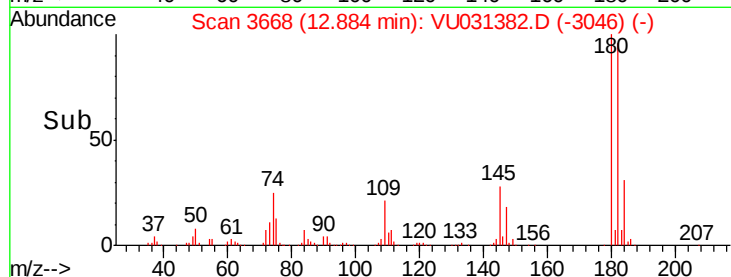
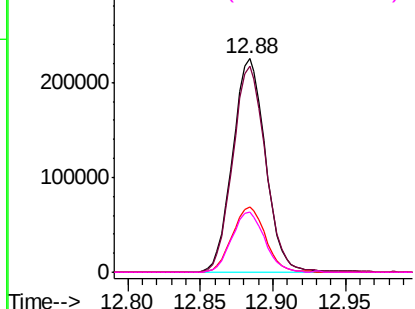
#67
 1,3,5-Trichlorobenzene
 Concen: 52.851 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU031382.D
 Acq: 22 Apr 2019 10:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Tgt Ion:	180	Resp:	354546
Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.7	115.1
184	30.8	24.2	36.4
145	28.1	23.9	35.9

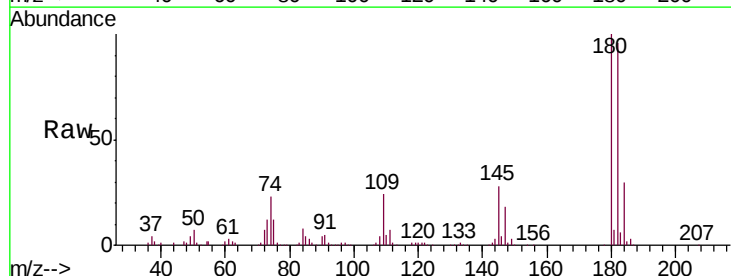


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

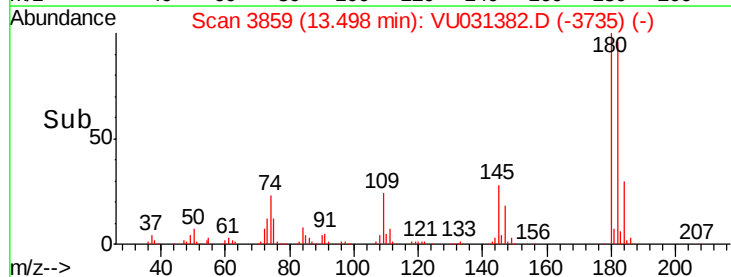
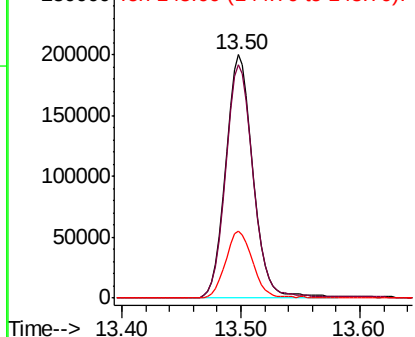


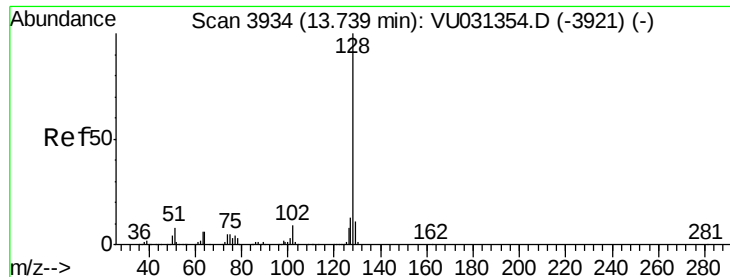
#68
 1,2,4-trichlorobenzene
 Concen: 58.597 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU031382.D
 Acq: 22 Apr 2019 10:03

Tgt Ion:	180	Resp:	318551
Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.5	113.3
145	27.3	23.1	34.7



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: 60.873 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

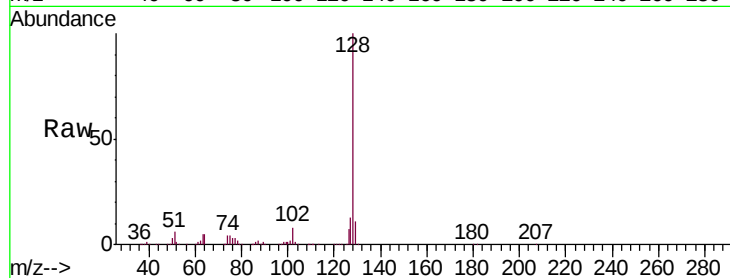
Tgt Ion:128 Resp: 1038338

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

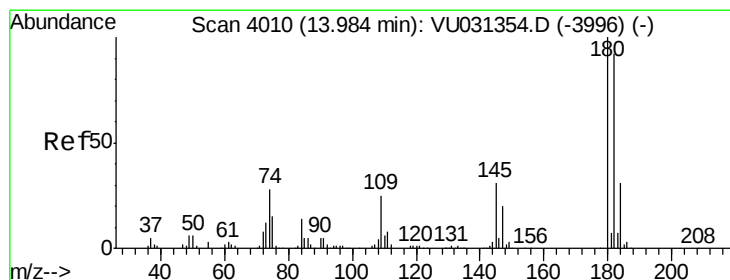
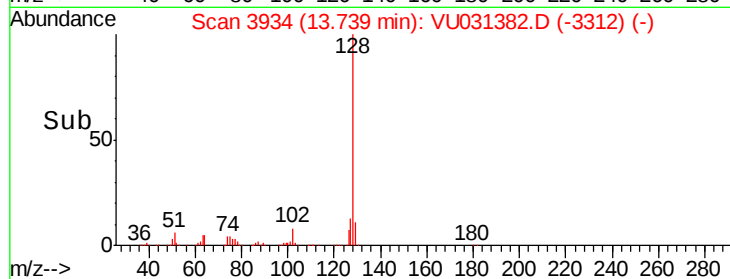
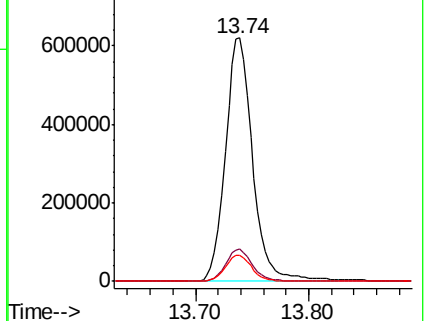
129 10.7 8.2 12.2



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: 54.660 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU031382.D

Acq: 22 Apr 2019 10:03

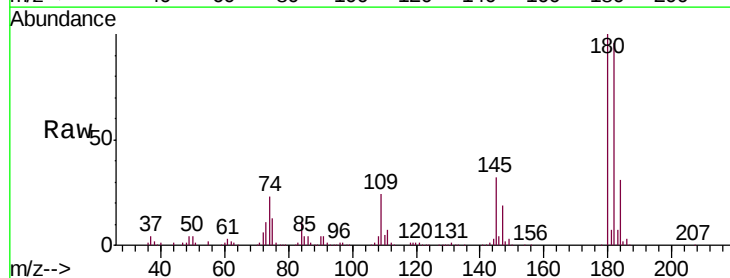
Tgt Ion:180 Resp: 322704

Ion Ratio Lower Upper

180 100

182 96.7 78.2 117.4

145 31.0 25.0 37.6



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

