

Data File : VU031623.D
Acq On : 30 Apr 2019 06:14
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 56 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Quant Time: Apr 30 08:03:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 30 04:50:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	703658	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	675053	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	294711	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	249824	42.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.84%
7) Chloroethane-d5	1.68	69	203700	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.52%
11) 1,1-Dichloroethene-d2	2.27	63	550158	46.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.82%
21) 2-Butanone-d5	4.19	46	610132	114.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.35%
24) Chloroform-d	4.64	84	534058	49.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.04%
26) 1,2-Dichloroethane-d4	5.30	65	363299	51.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.12%
32) Benzene-d6	5.34	84	990191	47.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.54%
36) 1,2-Dichloropropane-d6	6.32	67	359880	49.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.70%
41) Toluene-d8	7.56	98	850670	47.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.24%
43) trans-1,3-Dichloropropene-	7.85	79	146286	46.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.46%
47) 2-Hexanone-d5	8.31	63	347990	110.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.24%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	501382	51.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.46%
64) 1,2-Dichlorobenzene-d4	11.86	152	292142	47.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.28%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	370900	47.934	ug/L	100
3) Chloromethane	1.32	50	457862	48.907	ug/L	100
5) Vinyl chloride	1.40	62	419188	47.893	ug/L	97
6) Bromomethane	1.63	94	203023	43.984	ug/L	97
8) Chloroethane	1.70	64	229459	47.959	ug/L	95
9) Trichlorofluoromethane	1.88	101	476767	47.783	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	264303	46.859	ug/L	96
12) 1,1-Dichloroethene	2.28	96	258533	47.091	ug/L	93
13) Acetone	2.34	43	437947	72.865	ug/L	97
14) Carbon disulfide	2.47	76	850516	46.686	ug/L	99
15) Methyl Acetate	2.62	43	483711	53.188	ug/L	99
16) Methylene chloride	2.70	84	322189	49.729	ug/L	95
17) trans-1,2-Dichloroethene	2.98	96	268279	46.898	ug/L	98
18) Methyl tert-butyl Ether	2.99	73	942258	51.700	ug/L	98
19) 1,1-Dichloroethane	3.44	63	619346	51.409	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	302785	49.343	ug/L	89
22) 2-Butanone	4.27	43	686024	103.023	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	140258	47.039	ug/L	92
25) Chloroform	4.67	83	579261	50.281	ug/L	100
27) 1,2-Dichloroethane	5.40	62	490078	52.372	ug/L	97
29) Cyclohexane	4.99	56	541640	50.697	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	466946	49.369	ug/L	97
31) Carbon tetrachloride	5.13	117	392320	48.529	ug/L	99
33) Benzene	5.39	78	1256154	50.613	ug/L	100
34) Trichloroethene	6.18	95	525703	87.381	ug/L	92
35) Methylcyclohexane	6.41	83	435377	48.288	ug/L	97
37) 1,2-Dichloropropane	6.43	63	364720	51.763	ug/L	99
38) Bromodichloromethane	6.75	83	438249	51.299	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	469714	50.451	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1221888	112.716	ug/L	97
42) Toluene	7.63	91	1239173	50.122	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	409274	48.467	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	291412	50.169	ug/L	98
46) Tetrachloroethene	8.22	164	185438	45.213	ug/L	98
48) 2-Hexanone	8.36	43	1008341	115.008	ug/L	98
49) Dibromochloromethane	8.47	129	295068	48.822	ug/L	100
50) 1,2-Dibromoethane	8.58	107	303597	49.488	ug/L	98
51) Chlorobenzene	9.12	112	718475	49.178	ug/L	96
52) Ethylbenzene	9.25	91	1302066	50.772	ug/L	100
53) m,p-Xylene	9.37	106	453839	50.792	ug/L	99
54) o-xylene	9.77	106	457224	51.615	ug/L	98
55) Styrene	9.79	104	797871	52.719	ug/L	97
56) Isopropylbenzene	10.16	105	1174906	50.439	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	535172	51.922	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	438080	52.441	ug/L	98
61) Bromoform	9.95	173	201950	46.227	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	464224	47.586	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	479247	47.435	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	498435	48.074	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	120262	49.978	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	327730	44.853	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	263245	45.509	ug/L	97
69) Naphthalene	13.74	128	988324	50.112	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	300249	45.592	ug/L	100

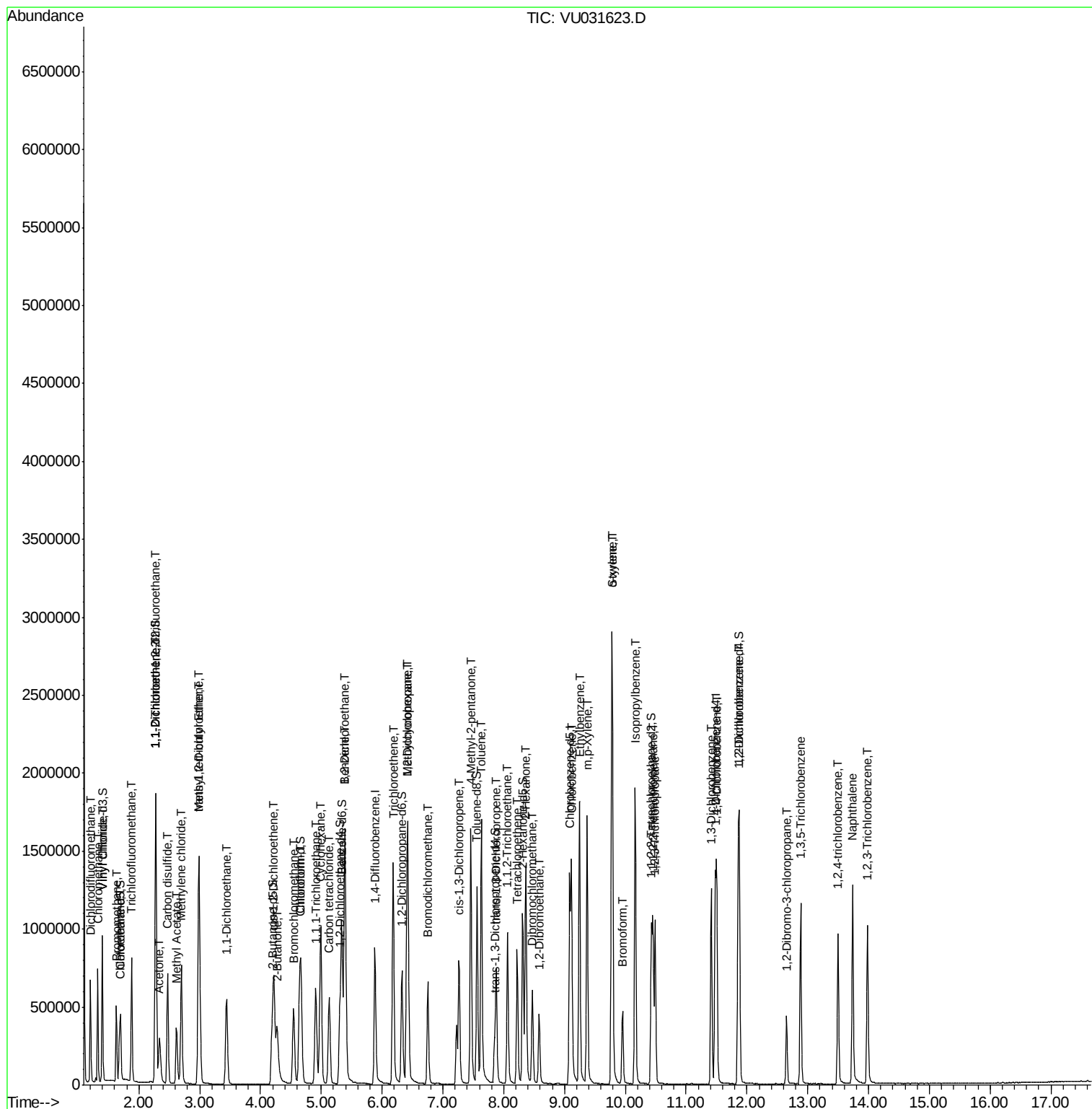
(#) = qualifier out of range (m) = manual integration (+) = signals summed

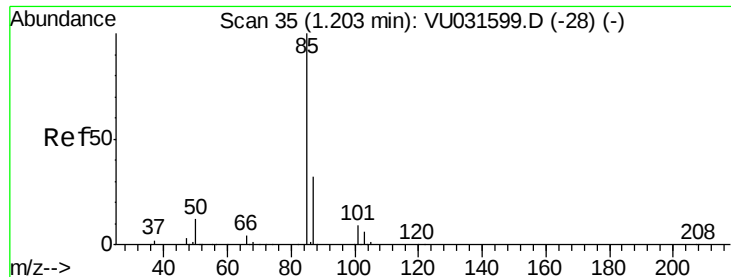
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#2

Dichlorodifluoromethane

Concen: 47.934 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031623.D

Acq: 30 Apr 2019 06:14

Instrument :

MSVOA_U

ClientSampleId :

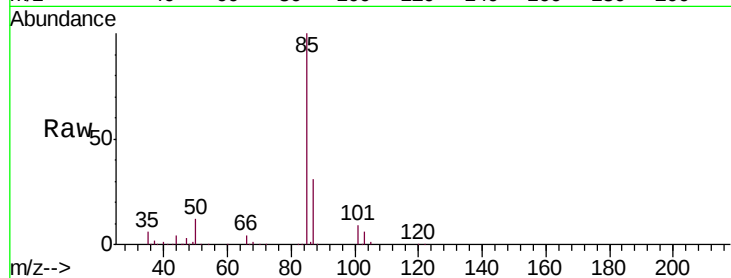
VSTD05054

Tgt Ion: 85 Resp: 370900

Ion Ratio Lower Upper

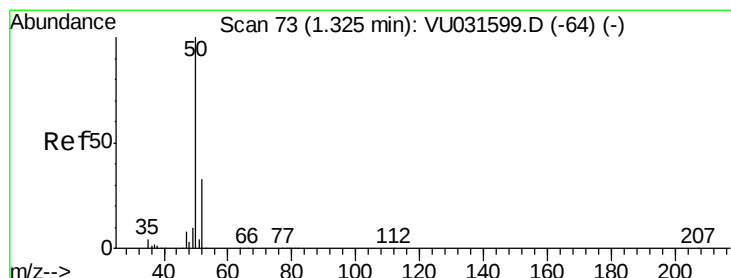
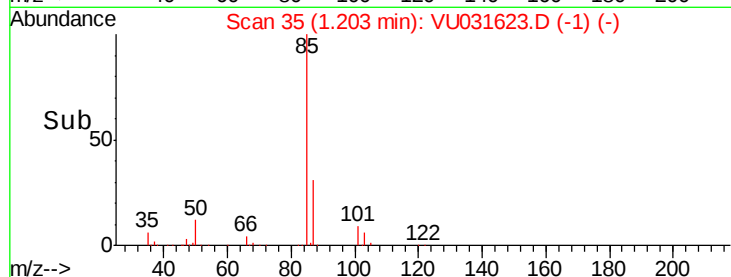
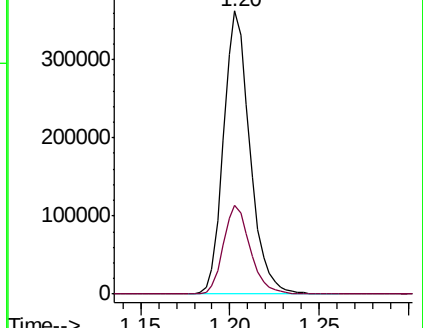
85 100

87 32.0 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU031599.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU031599.D (-28) (-)



#3

Chloromethane

Concen: 48.907 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU031623.D

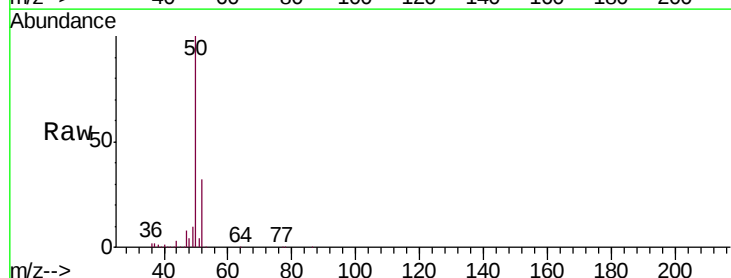
Acq: 30 Apr 2019 06:14

Tgt Ion: 50 Resp: 457862

Ion Ratio Lower Upper

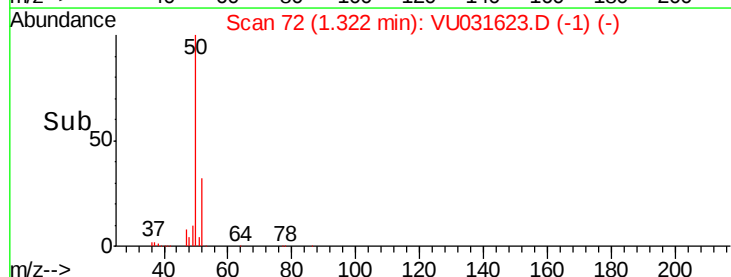
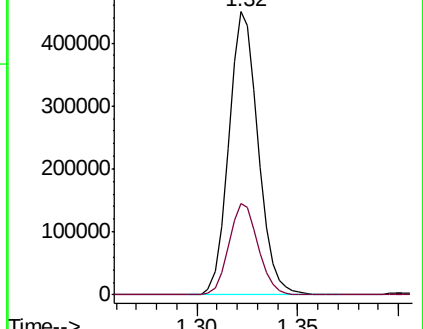
50 100

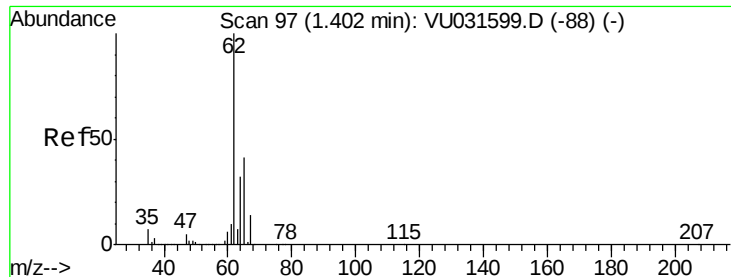
52 32.5 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU031599.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU031599.D (-64) (-)





#5

Vinyl chloride

Concen: 47.893 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031623.D

Acq: 30 Apr 2019 06:14

Instrument :

MSVOA_U

ClientSampleId :

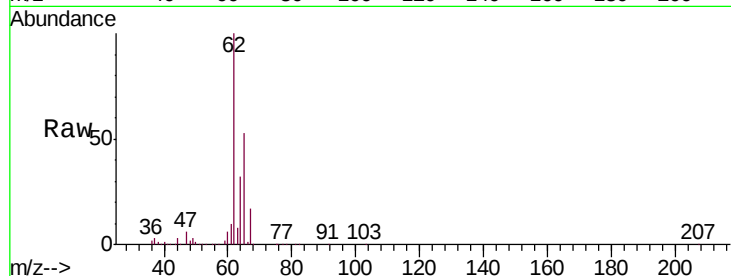
VSTD05054

Tgt Ion: 62 Resp: 419188

Ion Ratio Lower Upper

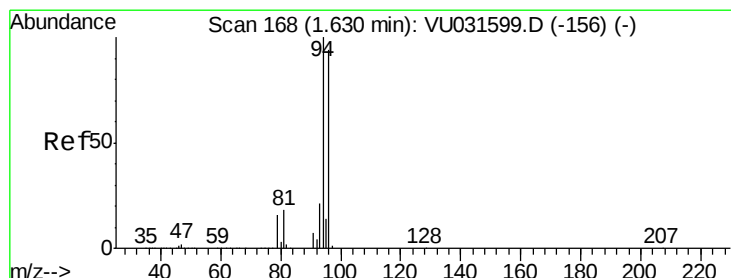
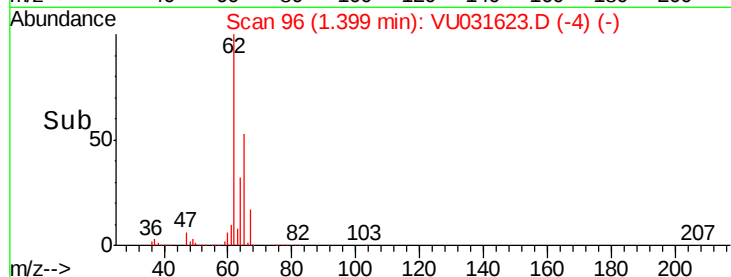
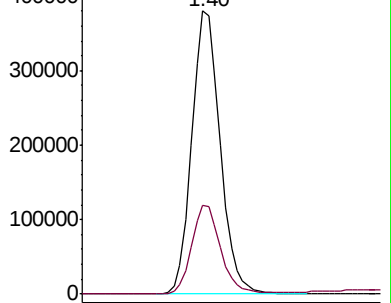
62 100

64 31.6 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU031599.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU031599.D (-88) (-)



#6

Bromomethane

Concen: 43.984 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031623.D

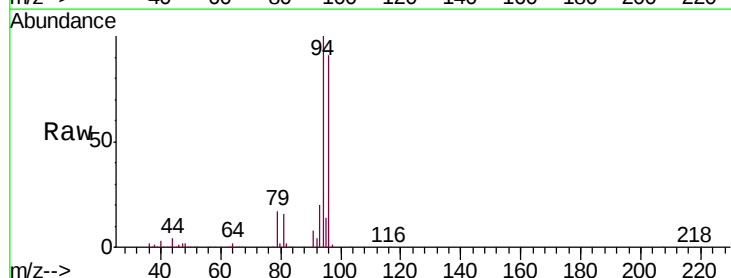
Acq: 30 Apr 2019 06:14

Tgt Ion: 94 Resp: 203023

Ion Ratio Lower Upper

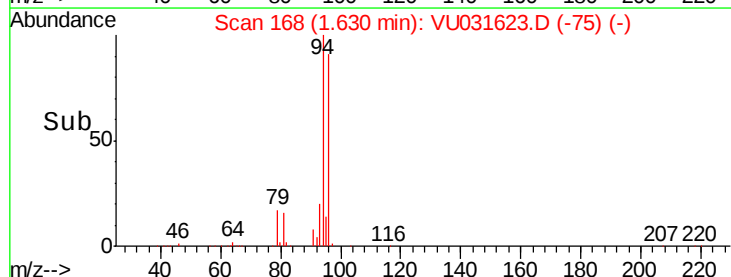
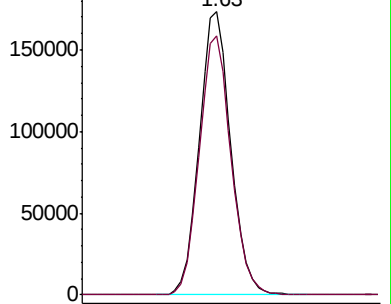
94 100

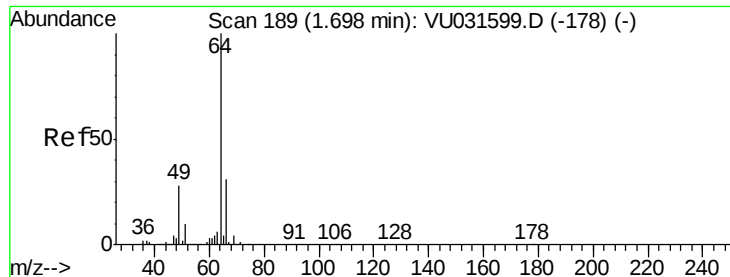
96 91.5 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU031599.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU031599.D (-156) (-)





#8

Chloroethane

Concen: 47.959 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031623.D

Acq: 30 Apr 2019 06:14

Instrument :

MSVOA_U

ClientSampleId :

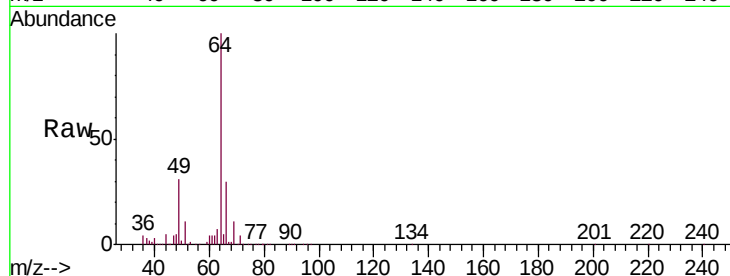
VSTD05054

Tgt Ion: 64 Resp: 229459

Ion Ratio Lower Upper

64 100

66 30.2 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VU031599.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU031599.D (-178) (-)

1.70

200000

150000

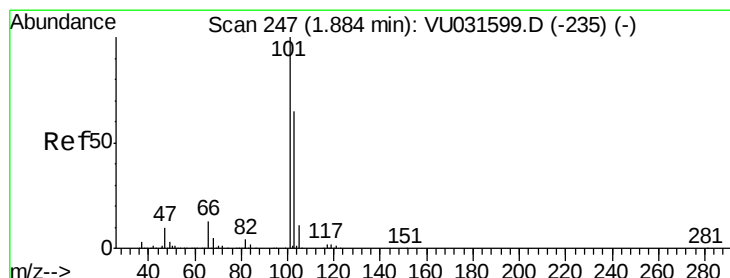
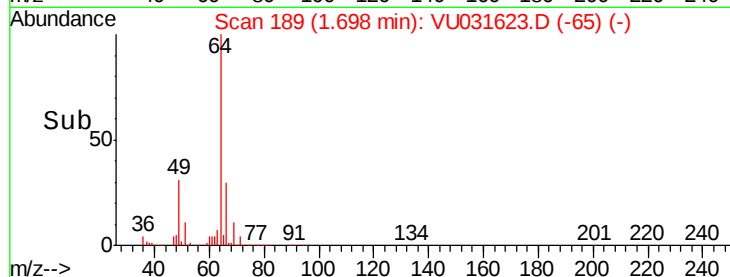
100000

50000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 47.783 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU031623.D

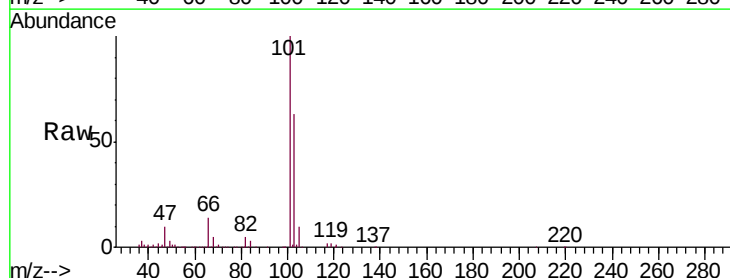
Acq: 30 Apr 2019 06:14

Tgt Ion: 101 Resp: 476767

Ion Ratio Lower Upper

101 100

103 63.7 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): VU031599.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU031599.D (-235) (-)

1.88

400000

300000

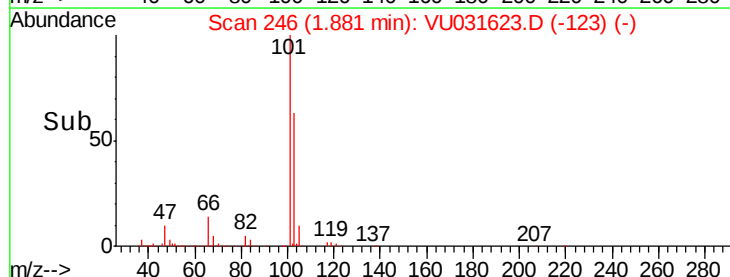
200000

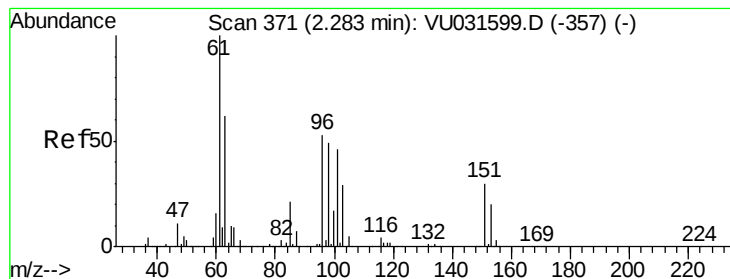
100000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 46.859 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031623.D

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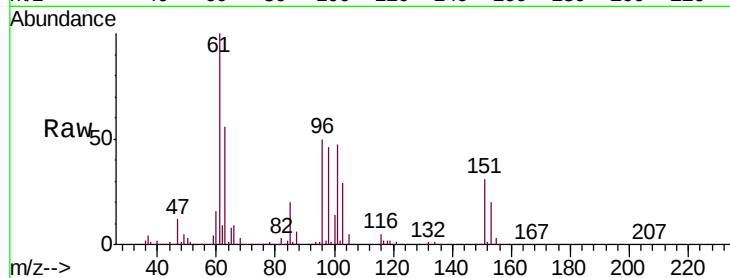
Tgt Ion: 101 Resp: 264303

Ion Ratio Lower Upper

101 100

85 44.3 36.1 54.1

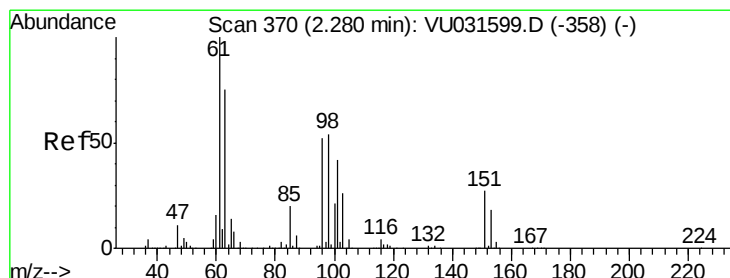
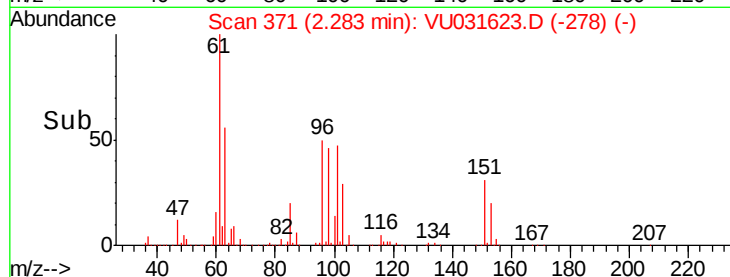
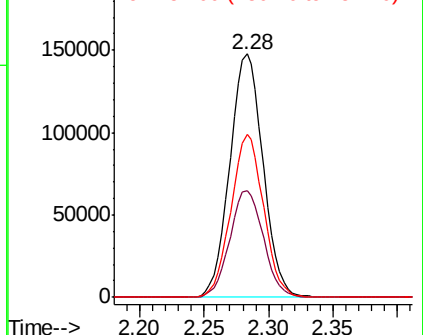
151 65.7 56.1 84.1



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: 47.091 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031623.D

Acq: 30 Apr 2019 06:14

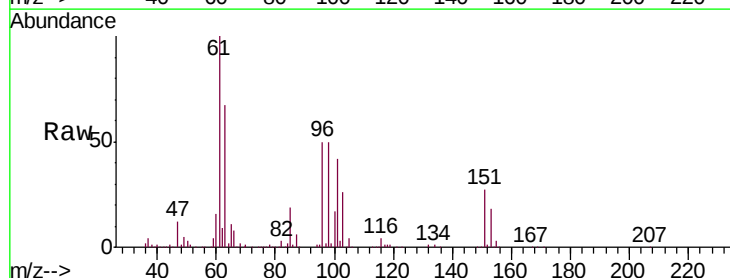
Tgt Ion: 96 Resp: 258533

Ion Ratio Lower Upper

96 100

61 200.4 135.0 250.6

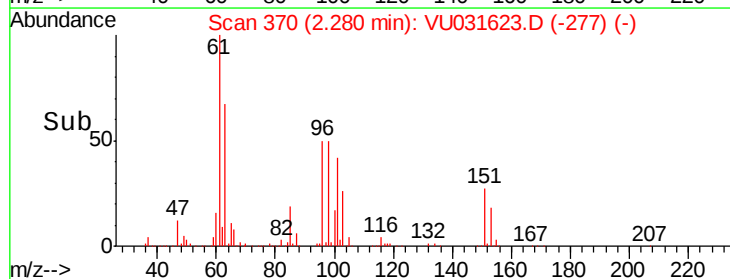
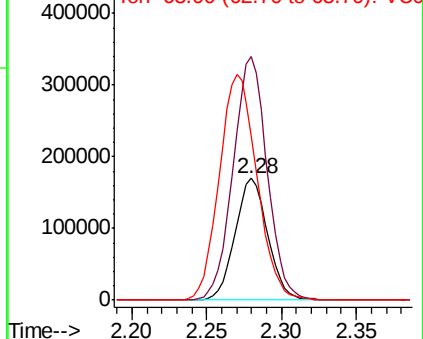
63 134.9 103.5 192.3

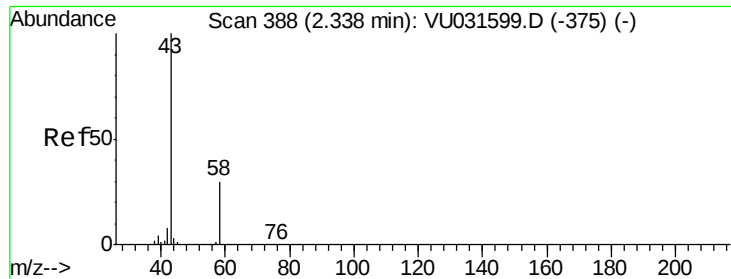


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 72.865 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU031623.D

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MSVOA_U

ClientSampleId :

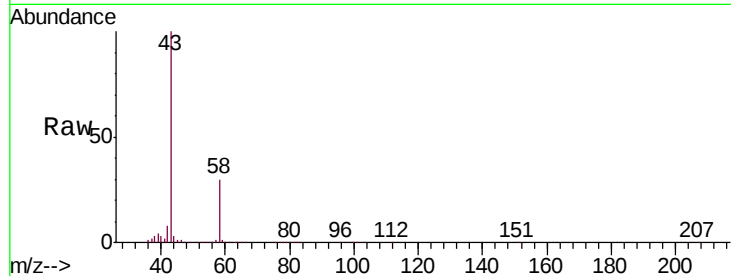
VSTD05054

Tgt Ion: 43 Resp: 437947

Ion Ratio Lower Upper

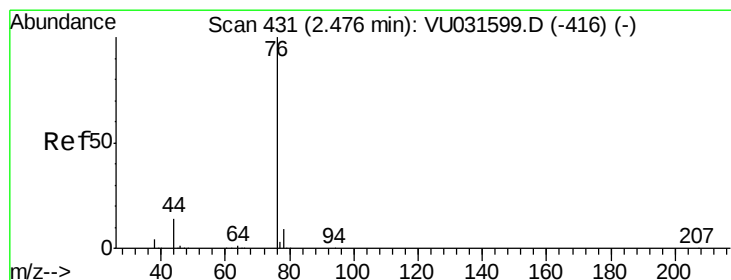
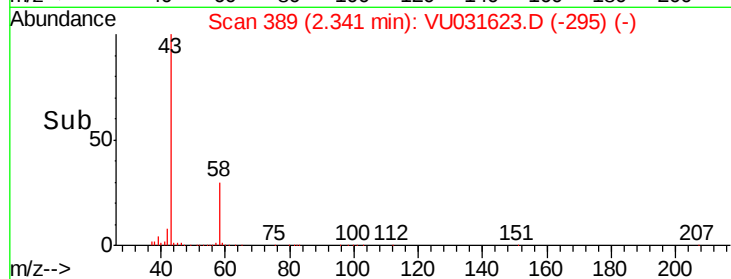
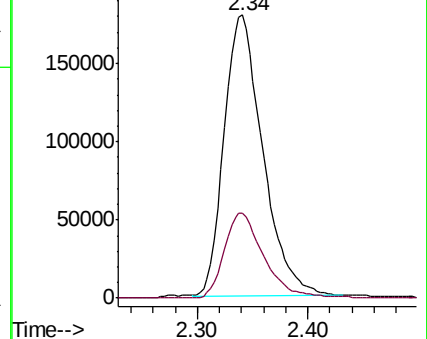
43 100

58 30.6 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU031599.D (-375) (-)

Ion 58.00 (57.70 to 58.70): VU031599.D (-375) (-)



#14

Carbon disulfide

Concen: 46.686 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU031623.D

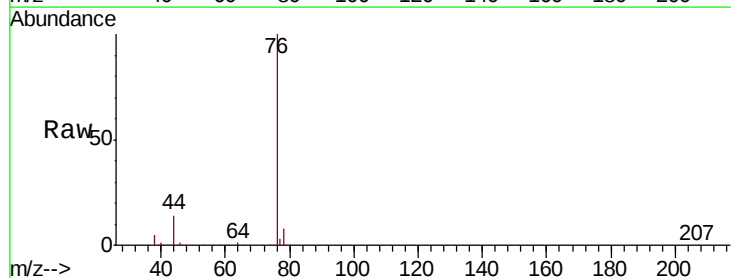
Acq: 30 Apr 2019 06:14

Tgt Ion: 76 Resp: 850516

Ion Ratio Lower Upper

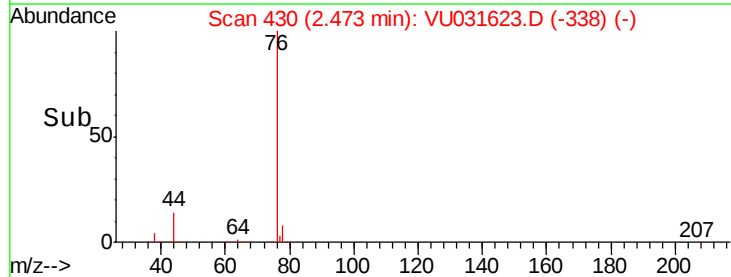
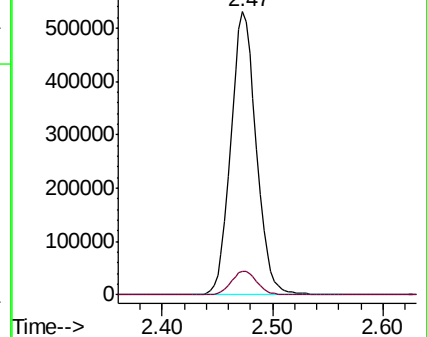
76 100

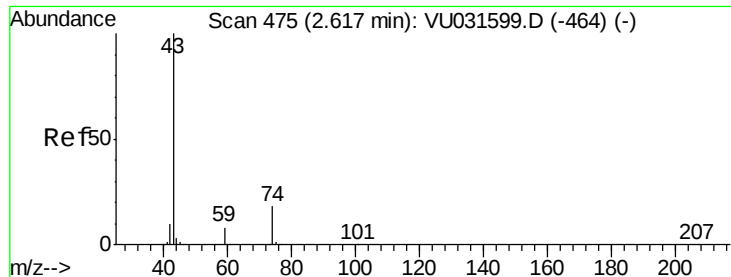
78 8.5 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU031599.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU031599.D (-416) (-)

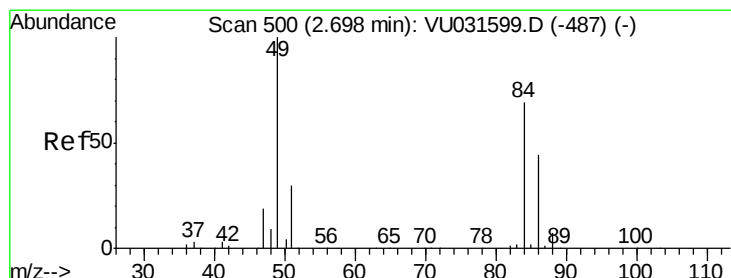
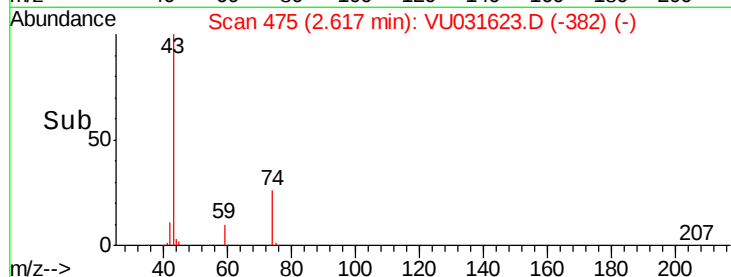
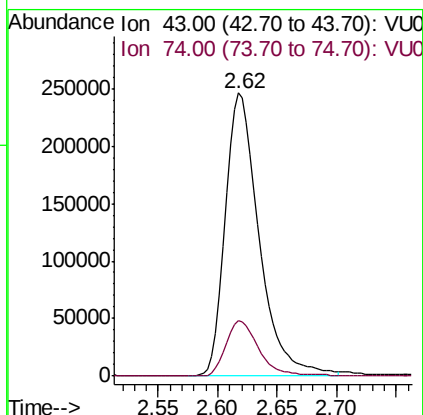
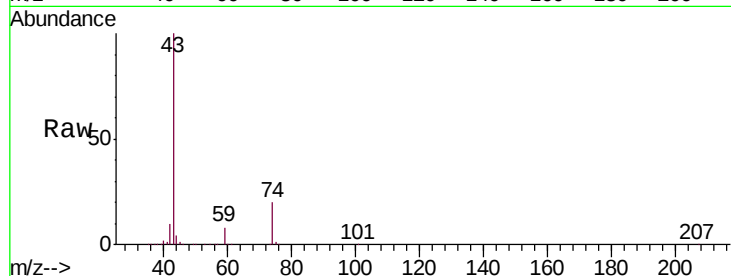




#15
Methyl Acetate
Concen: 53.188 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU031623.D
Acq: 30 Apr 2019 06:14

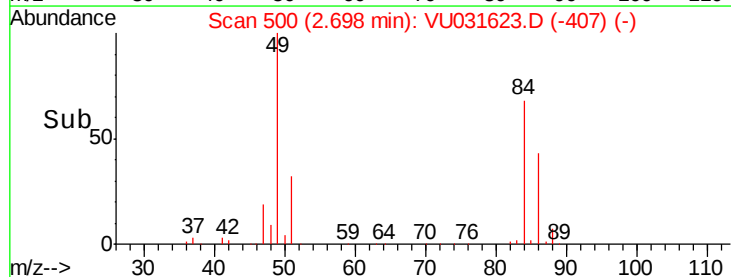
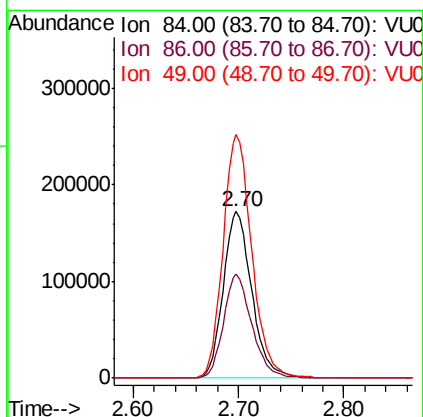
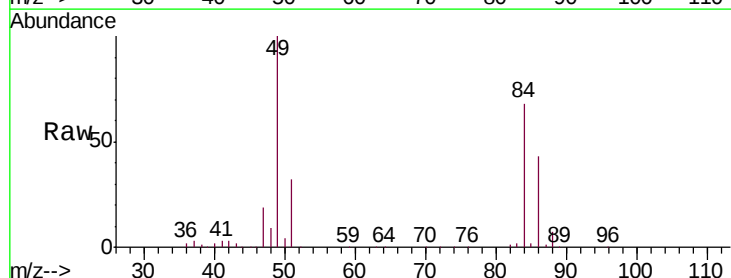
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

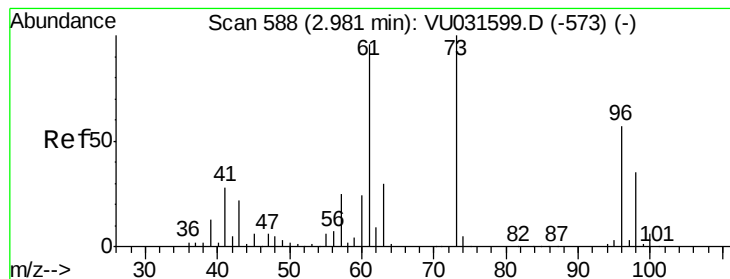
Tgt Ion: 43 Resp: 483711
Ion Ratio Lower Upper
43 100
74 19.0 15.7 23.5



#16
Methylene chloride
Concen: 49.729 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031623.D
Acq: 30 Apr 2019 06:14

Tgt Ion: 84 Resp: 322189
Ion Ratio Lower Upper
84 100
86 62.4 44.7 83.1
49 146.1 96.5 179.3





#17

trans-1,2-Dichloroethene

Concen: 46.898 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU031623.D

Acq: 30 Apr 2019 06:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

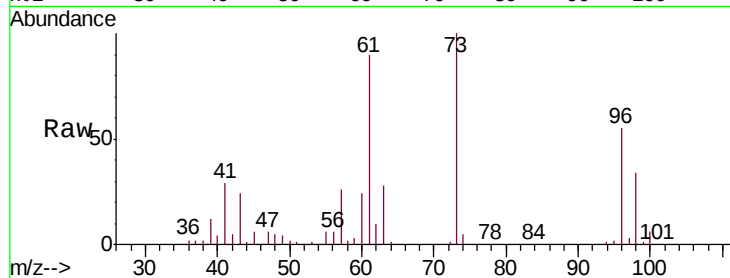
Tgt Ion: 96 Resp: 268279

Ion Ratio Lower Upper

96 100

61 164.8 114.5 212.7

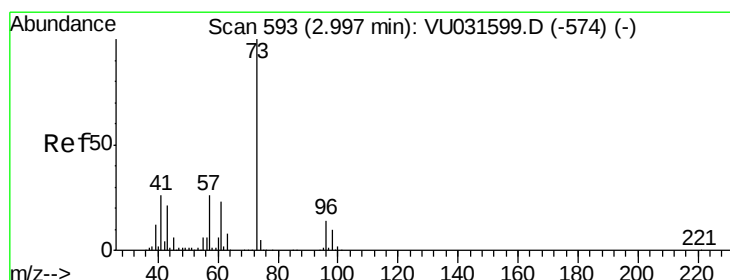
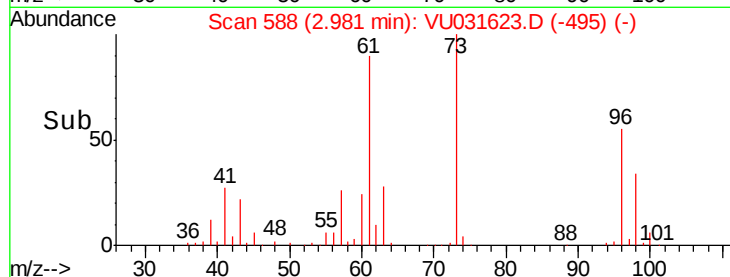
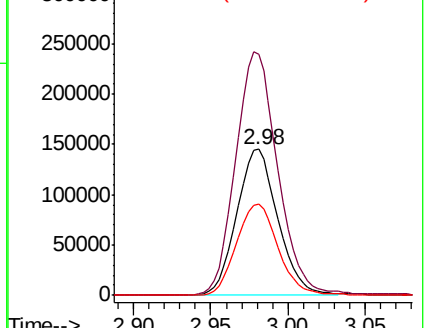
98 62.2 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU031599.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU031599.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU031599.D (-573) (-)



#18

Methyl tert-butyl Ether

Concen: 51.700 ug/L

RT: 2.99 min Scan# 592

Delta R.T. -0.00 min

Lab File: VU031623.D

Acq: 30 Apr 2019 06:14

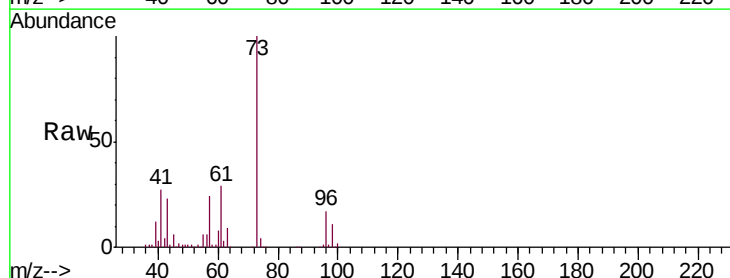
Tgt Ion: 73 Resp: 942258

Ion Ratio Lower Upper

73 100

43 22.7 17.0 25.4

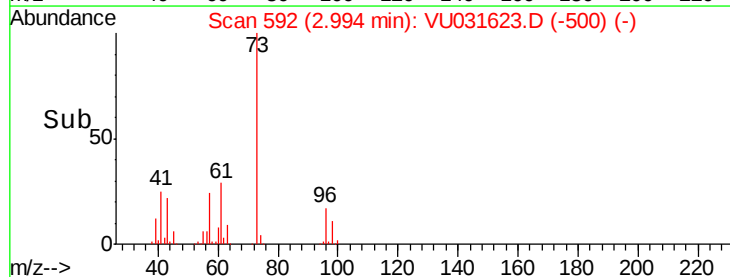
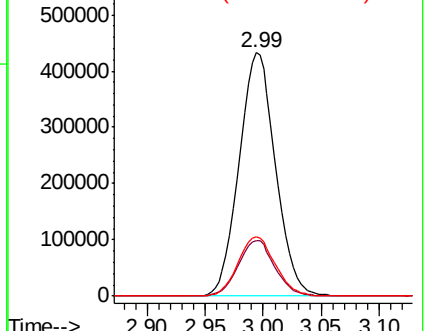
57 24.8 19.5 29.3

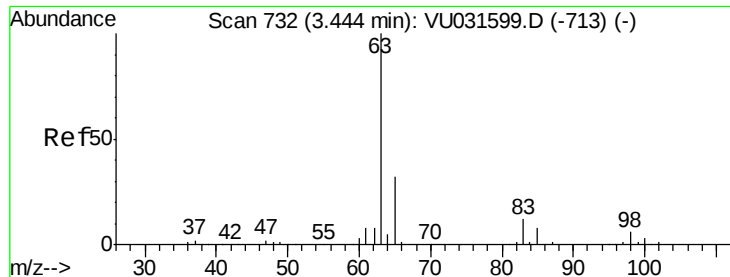


Abundance Ion 73.00 (72.70 to 73.70): VU031599.D (-574) (-)

Ion 43.00 (42.70 to 43.70): VU031599.D (-574) (-)

Ion 57.00 (56.70 to 57.70): VU031599.D (-574) (-)

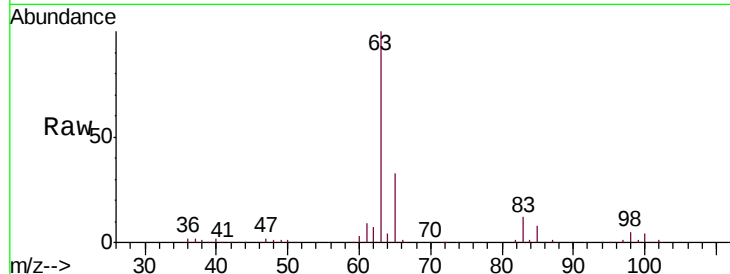




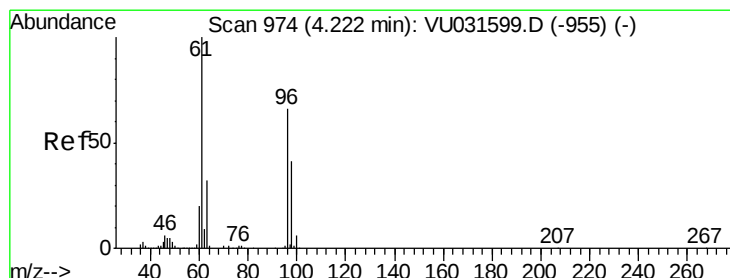
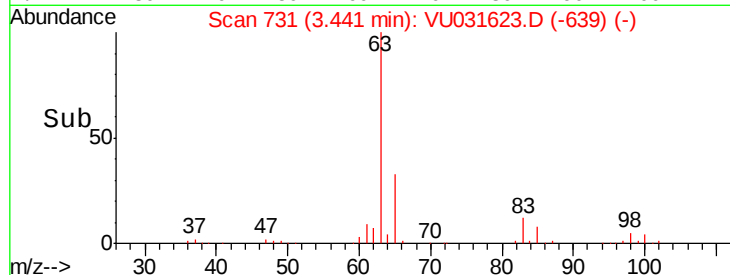
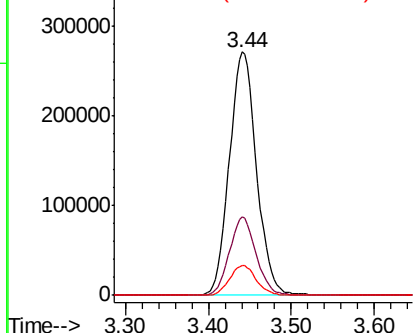
#19
 1,1-Dichloroethane
 Concen: 51.409 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU031623.D
 Acq: 30 Apr 2019 06:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Tgt Ion: 63 Resp: 619346
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.0 40.8
 83 12.3 8.8 16.4

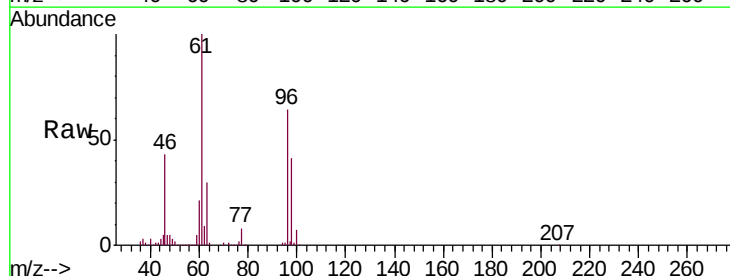


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

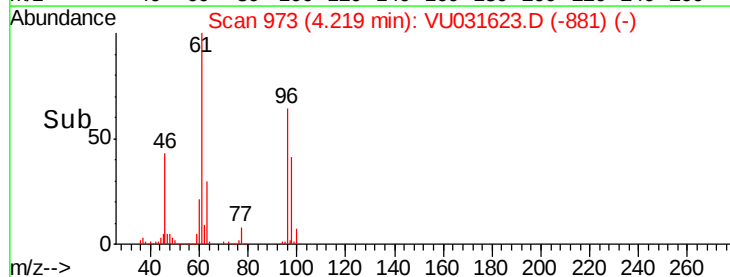
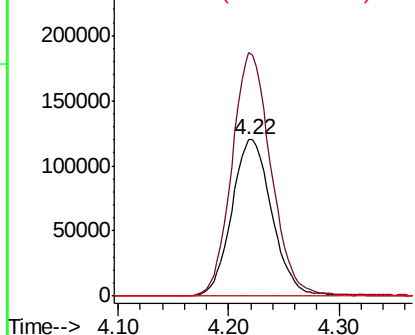


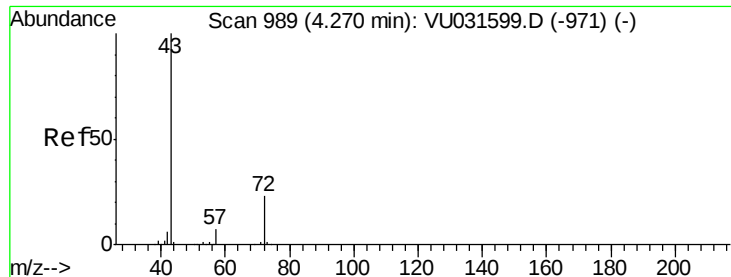
#20
 cis-1,2-Dichloroethene
 Concen: 49.343 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU031623.D
 Acq: 30 Apr 2019 06:14

Tgt Ion: 96 Resp: 302785
 Ion Ratio Lower Upper
 96 100
 61 155.6 99.5 184.7
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 103.023 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VU031623.D

Acq: 30 Apr 2019 06:14

Instrument :

MSVOA_U

ClientSampleId :

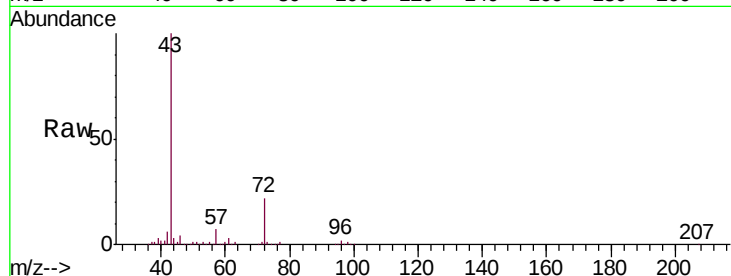
VSTD05054

Tgt Ion: 43 Resp: 686024

Ion Ratio Lower Upper

43 100

72 22.5 11.4 34.2



Abundance Ion 43.00 (42.70 to 43.70): VU031599.D (-971) (-)

Ion 72.00 (71.70 to 72.70): VU031599.D (-971) (-)

4.27

250000

200000

150000

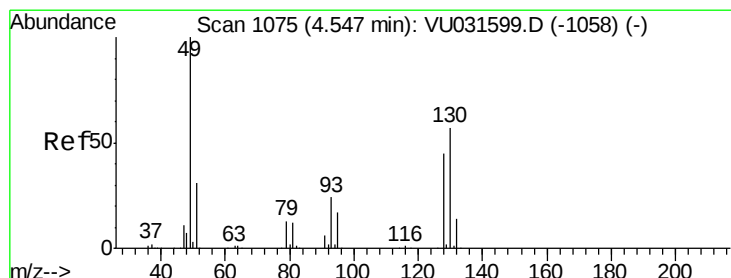
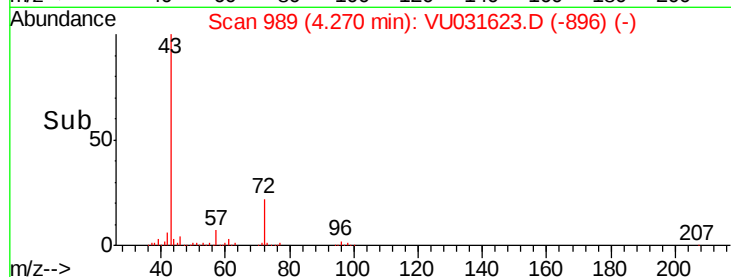
100000

50000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 47.039 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU031623.D

Acq: 30 Apr 2019 06:14

Tgt Ion: 128 Resp: 140258

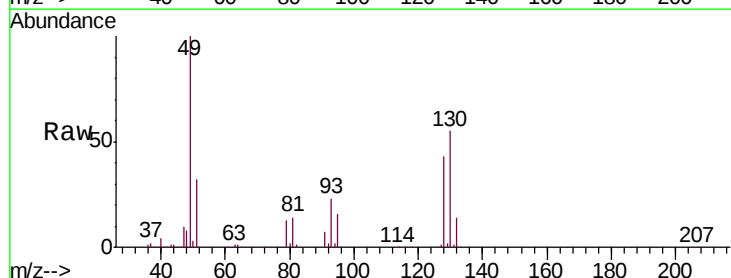
Ion Ratio Lower Upper

128 100

49 233.6 152.6 283.4

130 127.4 93.7 173.9

51 75.3 54.2 81.4



Abundance Ion 128.00 (127.70 to 128.70): VU031599.D (-1058) (-)

Ion 49.00 (48.70 to 49.70): VU031599.D (-1058) (-)

Ion 130.00 (129.70 to 130.70): VU031599.D (-1058) (-)

Ion 51.00 (50.70 to 51.70): VU031599.D (-1058) (-)

200000

150000

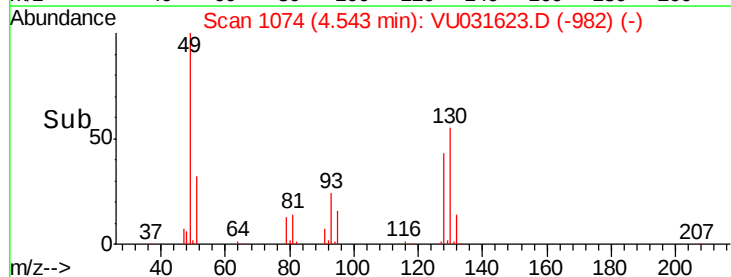
100000

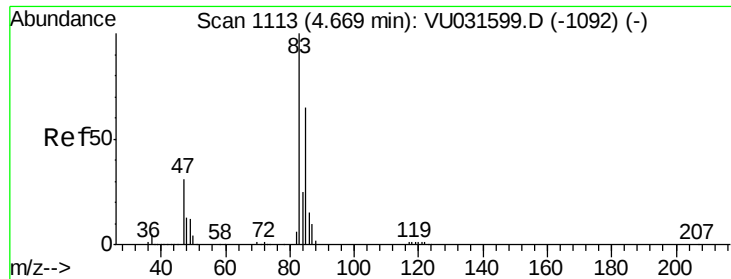
50000

0

4.50 4.60

Time-->

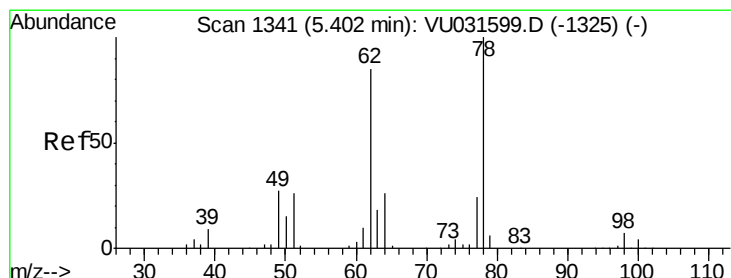
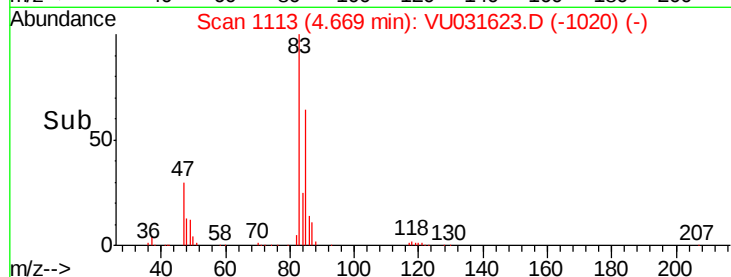
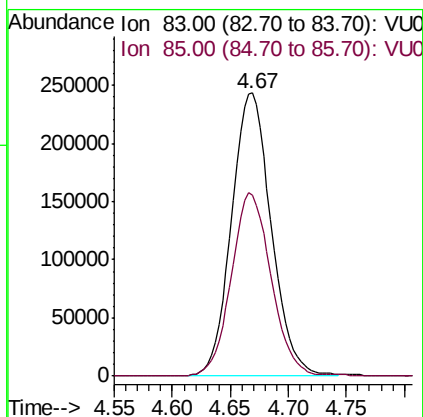
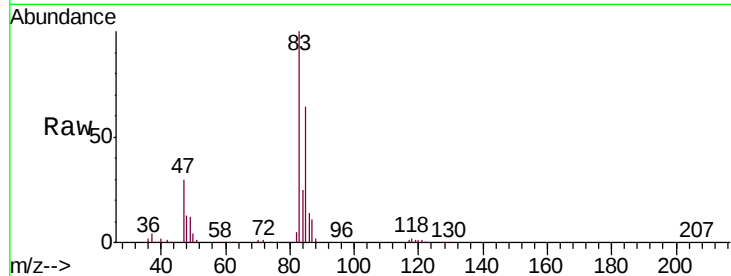




#25
Chloroform
Concen: 50.281 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031623.D
Acq: 30 Apr 2019 06:14

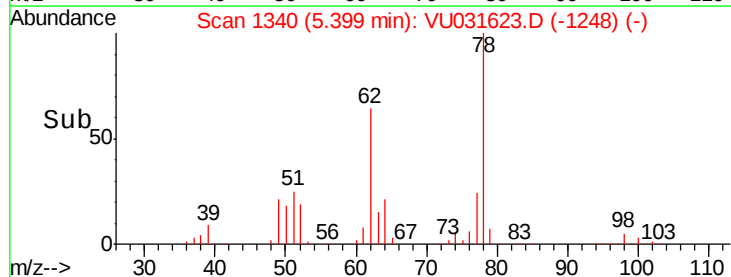
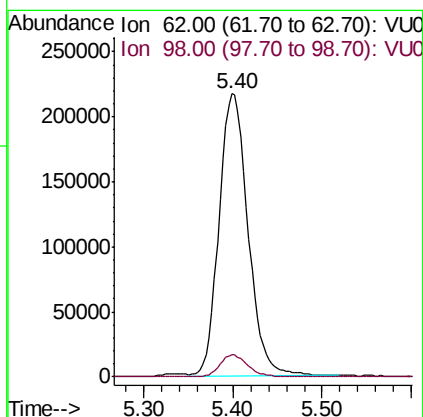
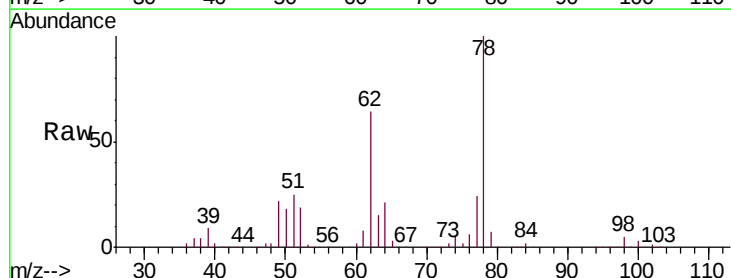
Instrument :
MSVOA_U
ClientSampled :
VSTD05054

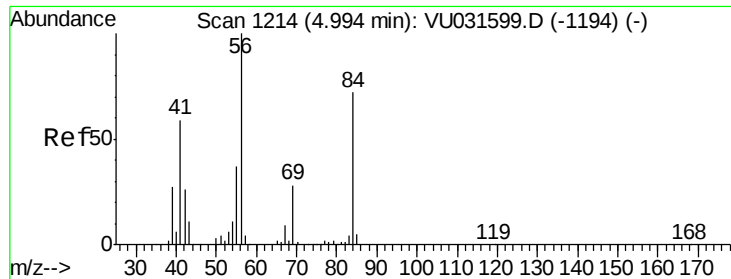
Tgt Ion: 83 Resp: 579261
Ion Ratio Lower Upper
83 100
85 63.9 44.9 83.3



#27
1,2-Dichloroethane
Concen: 52.372 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU031623.D
Acq: 30 Apr 2019 06:14

Tgt Ion: 62 Resp: 490078
Ion Ratio Lower Upper
62 100
98 7.8 7.1 10.7

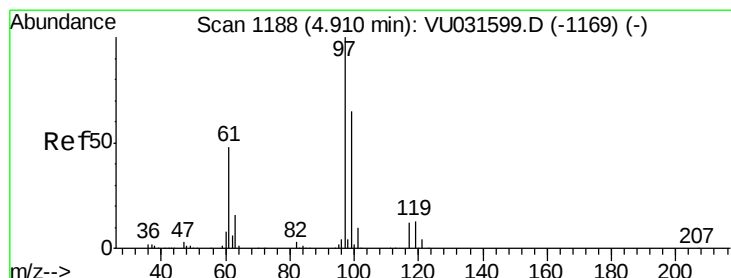
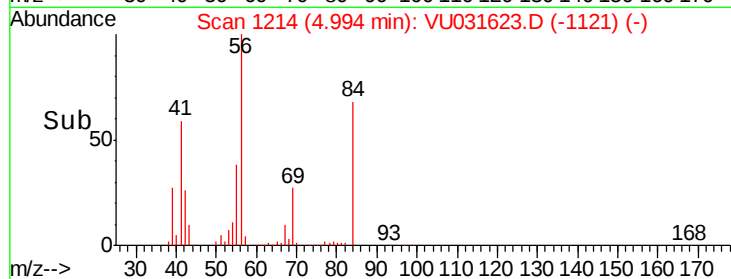
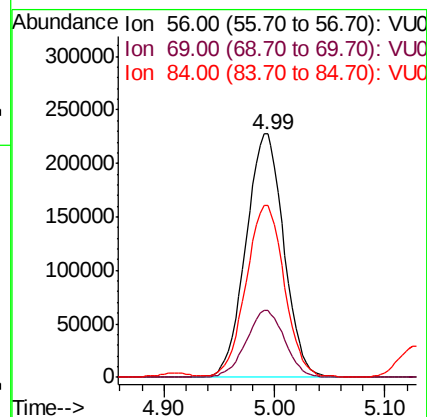
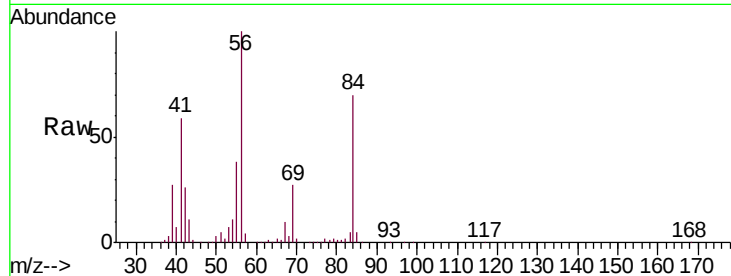




#29
Cyclohexane
Concen: 50.697 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU031623.D
Acq: 30 Apr 2019 06:14

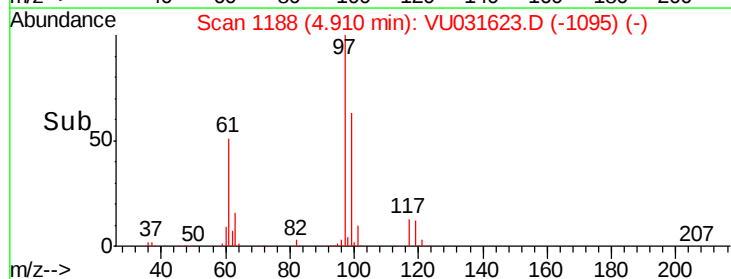
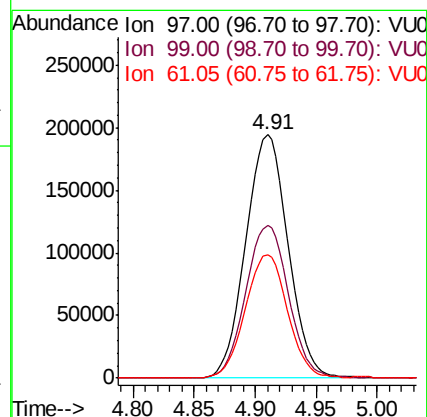
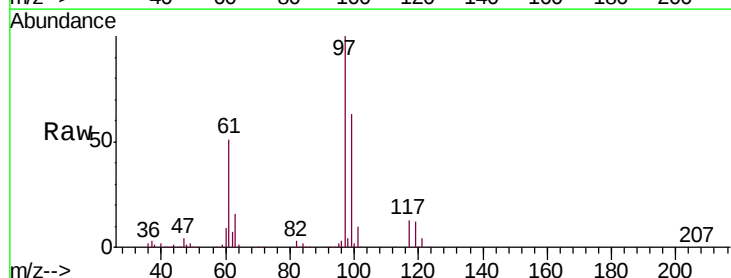
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

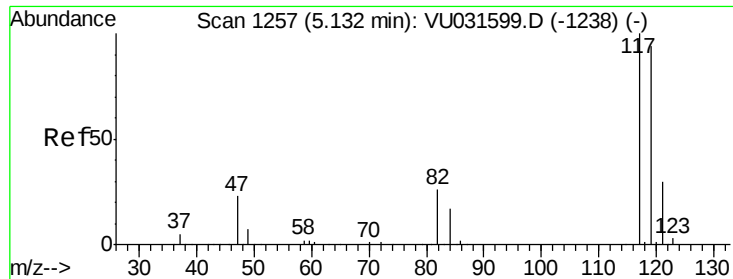
Tgt Ion: 56 Resp: 541640
Ion Ratio Lower Upper
56 100
69 27.8 22.3 33.5
84 70.1 57.5 86.3



#30
1,1,1-Trichloroethane
Concen: 49.369 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU031623.D
Acq: 30 Apr 2019 06:14

Tgt Ion: 97 Resp: 466946
Ion Ratio Lower Upper
97 100
99 63.4 52.0 78.0
61 50.8 38.7 58.1





#31

Carbon tetrachloride

Concen: 48.529 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU031623.D

Acq: 30 Apr 2019 06:14

Instrument :

MSVOA_U

ClientSampleId :

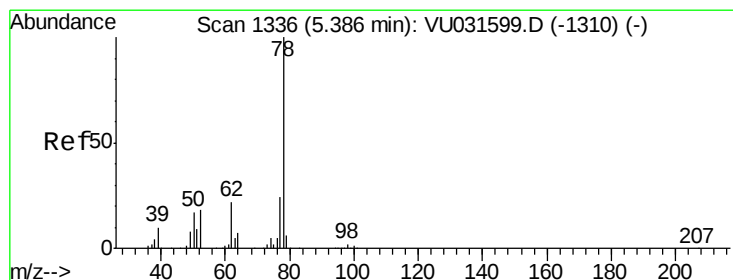
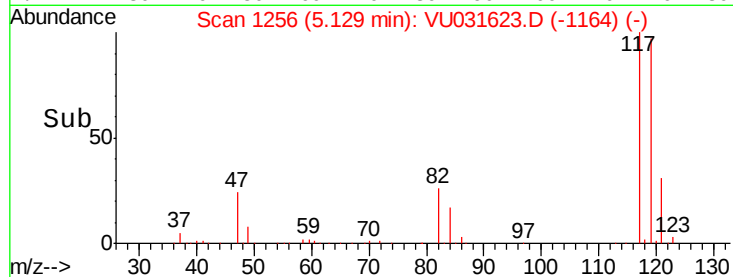
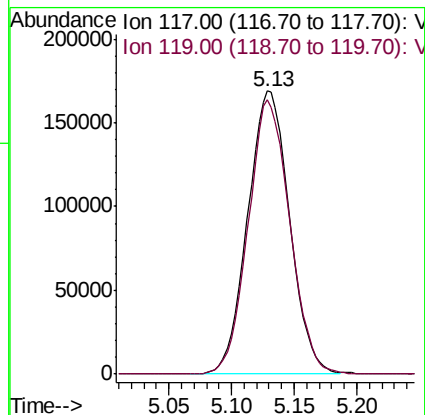
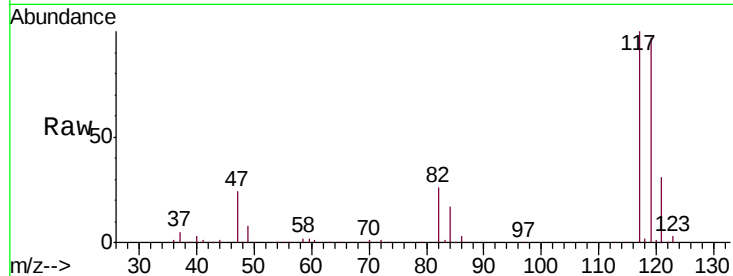
VSTD05054

Tgt Ion:117 Resp: 392320

Ion Ratio Lower Upper

117 100

119 96.2 76.6 114.8



#33

Benzene

Concen: 50.613 ug/L

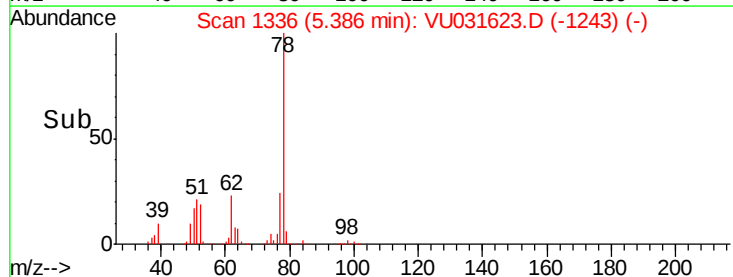
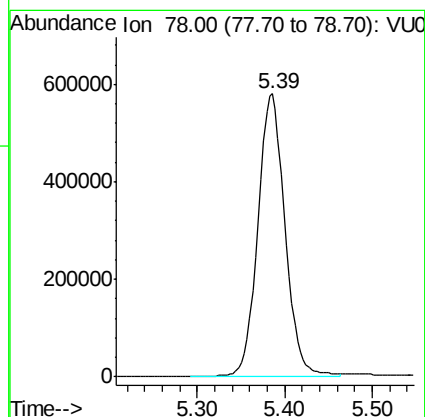
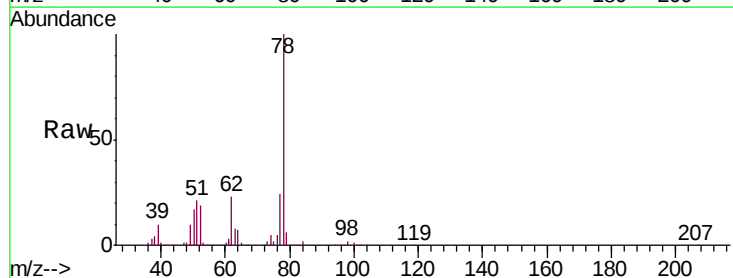
RT: 5.39 min Scan# 1336

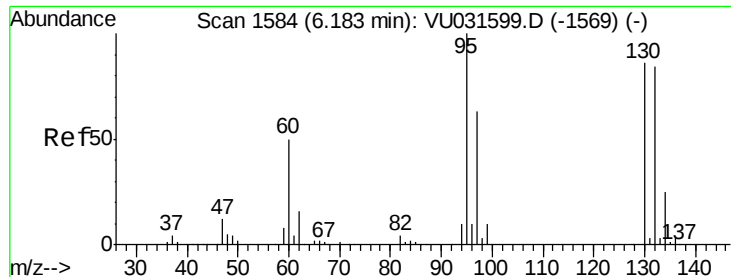
Delta R.T. 0.00 min

Lab File: VU031623.D

Acq: 30 Apr 2019 06:14

Tgt Ion: 78 Resp: 1256154





#34

Trichloroethene

Concen: 87.381 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU031623.D

Acq: 30 Apr 2019 06:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

Tgt Ion: 95 Resp: 525703

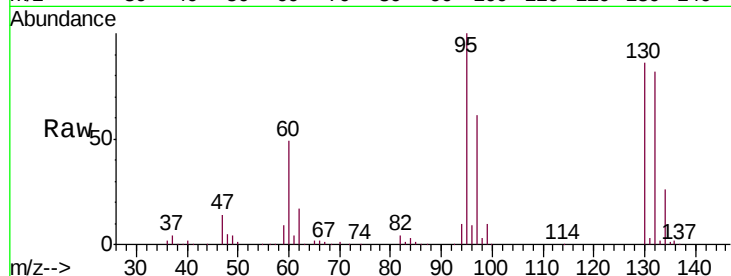
Ion Ratio Lower Upper

95 100

97 60.6 44.8 83.2

132 82.1 63.1 117.1

130 86.3 66.5 123.5

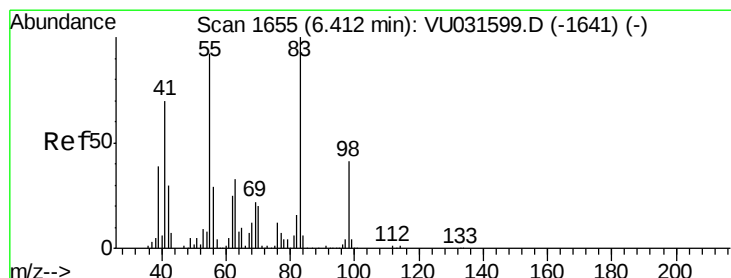
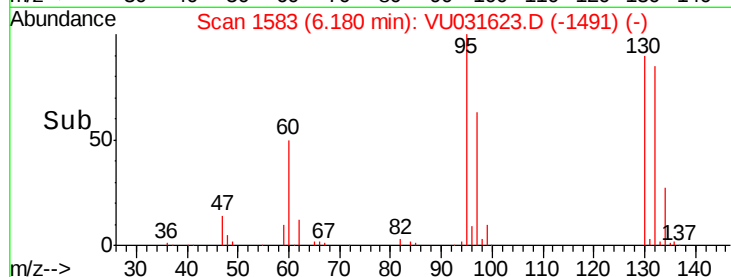
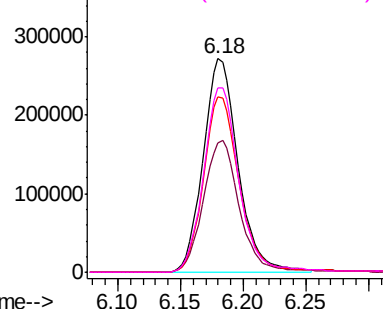


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 48.288 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU031623.D

Acq: 30 Apr 2019 06:14

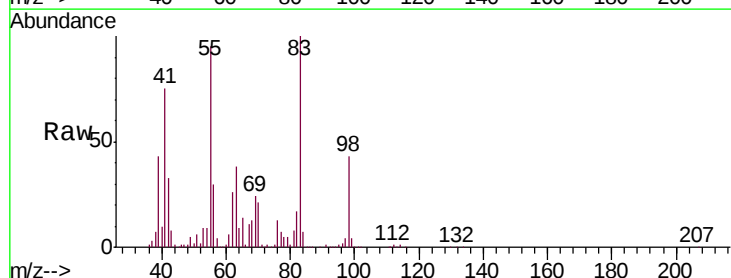
Tgt Ion: 83 Resp: 435377

Ion Ratio Lower Upper

83 100

55 95.5 73.0 109.4

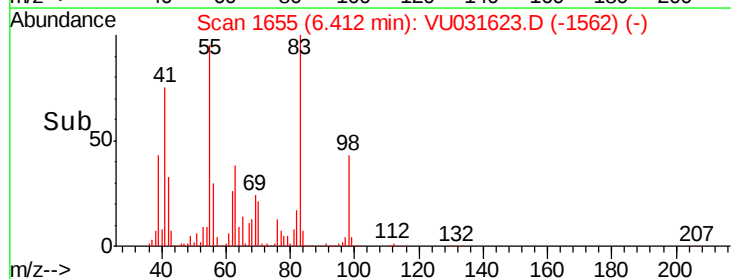
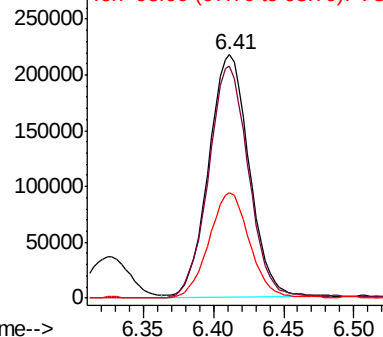
98 43.5 35.3 52.9

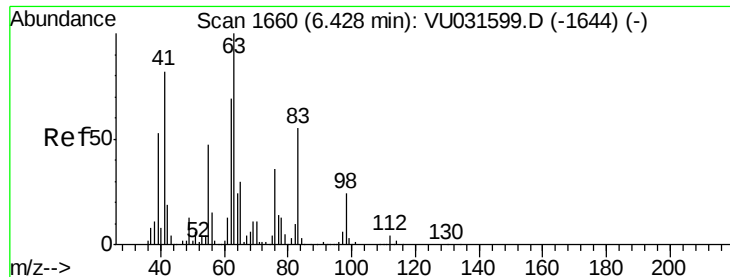


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

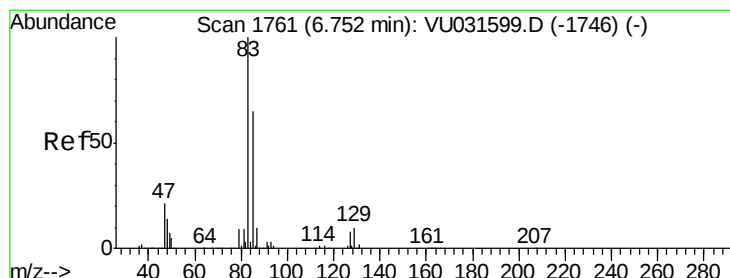
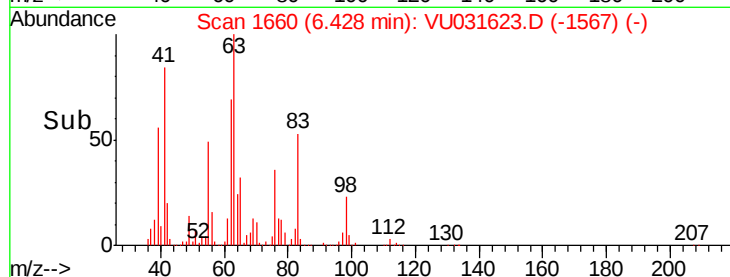
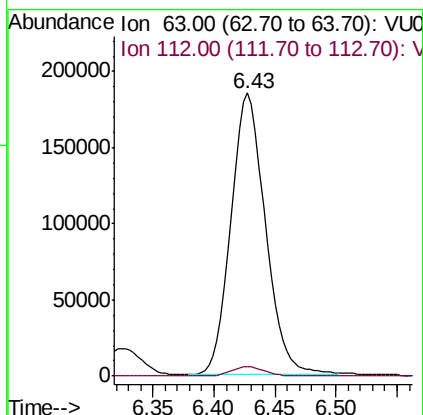
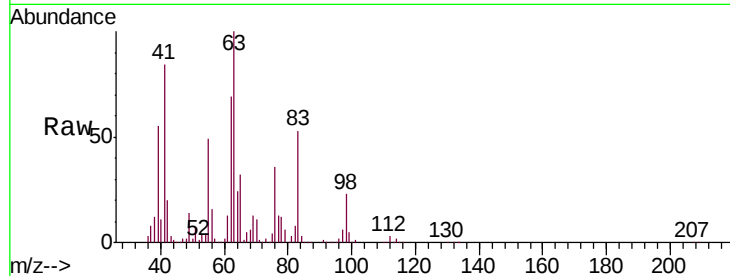




#37
 1,2-Dichloropropane
 Concen: 51.763 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031623.D
 Acq: 30 Apr 2019 06:14

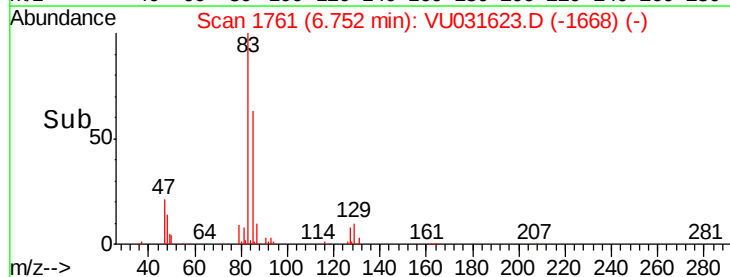
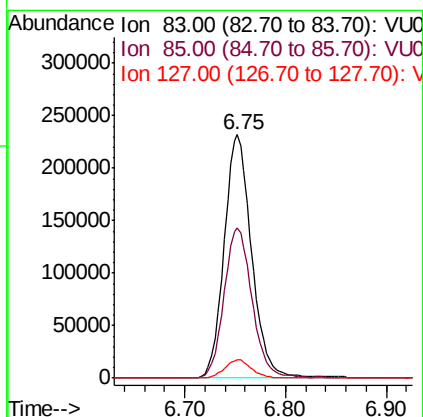
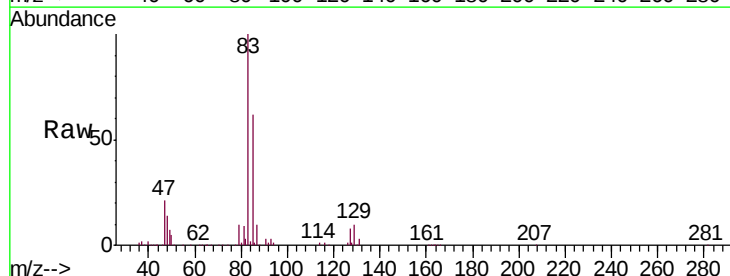
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

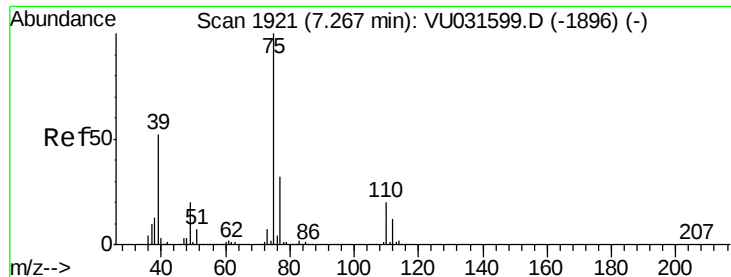
Tgt Ion: 63 Resp: 364720
 Ion Ratio Lower Upper
 63 100
 112 3.2 2.7 4.1



#38
 Bromodichloromethane
 Concen: 51.299 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031623.D
 Acq: 30 Apr 2019 06:14

Tgt Ion: 83 Resp: 438249
 Ion Ratio Lower Upper
 83 100
 85 61.9 43.7 81.1
 127 7.7 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 50.451 ug/L

RT: 7.27 min Scan# 1921

Delta R.T. 0.00 min

Lab File: VU031623.D

Acq: 30 Apr 2019 06:14

Instrument :

MSVOA_U

ClientSampleId :

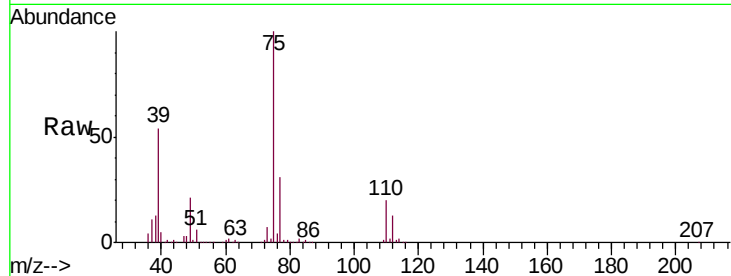
VSTD05054

Tgt Ion: 75 Resp: 469714

Ion Ratio Lower Upper

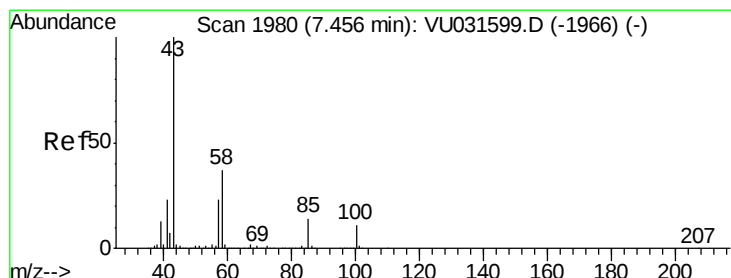
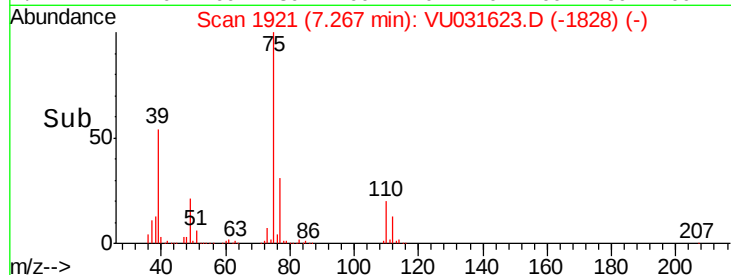
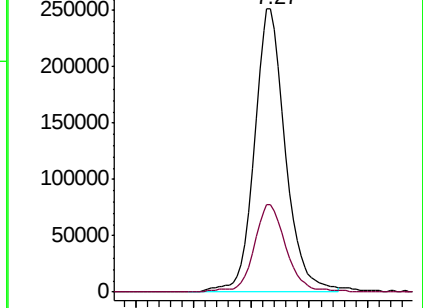
75 100

77 30.9 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU031599.D (-1896) (-)

Ion 77.00 (76.70 to 77.70): VU031599.D (-1896) (-)



#40

4-Methyl-2-pentanone

Concen: 112.716 ug/L

RT: 7.46 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VU031623.D

Acq: 30 Apr 2019 06:14

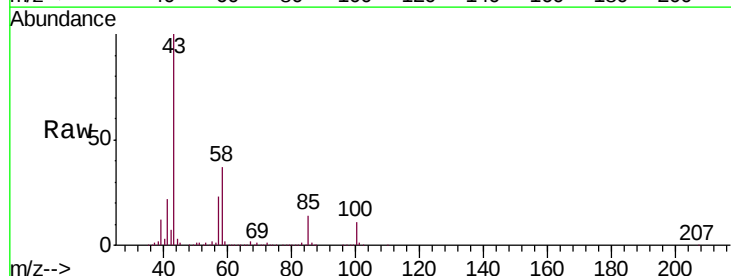
Tgt Ion: 43 Resp: 1221888

Ion Ratio Lower Upper

43 100

58 36.1 30.1 45.1

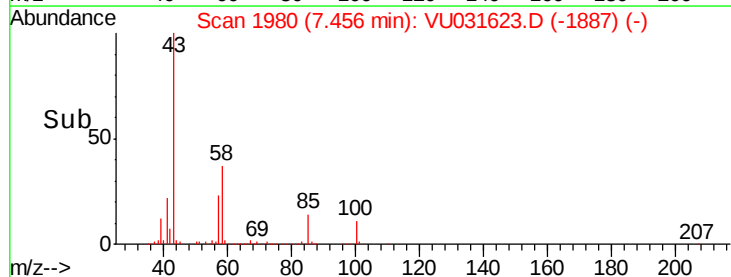
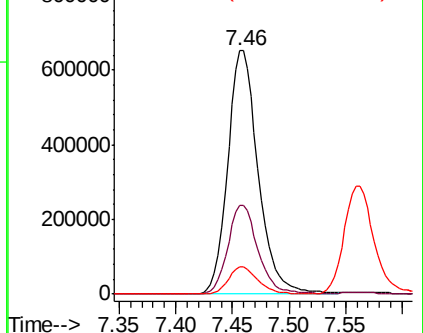
100 10.8 9.6 14.4

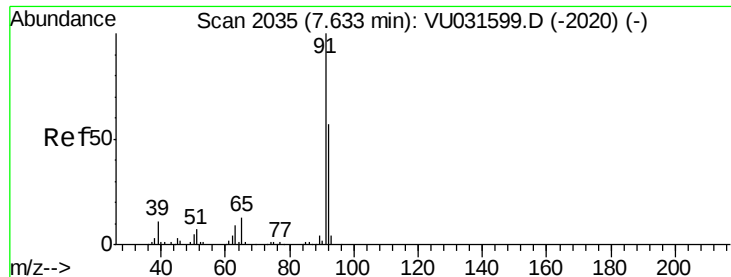


Abundance Ion 43.00 (42.70 to 43.70): VU031599.D (-1966) (-)

Ion 58.00 (57.70 to 58.70): VU031599.D (-1966) (-)

Ion 100.00 (99.70 to 100.70): VU031599.D (-1966) (-)





#42

Toluene

Concen: 50.122 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031623.D

Acq: 30 Apr 2019 06:14

Instrument :

MSVOA_U

ClientSampleId :

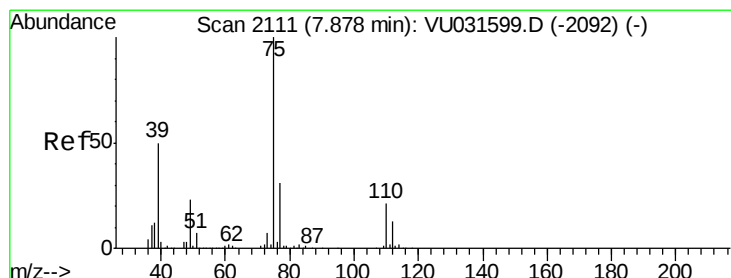
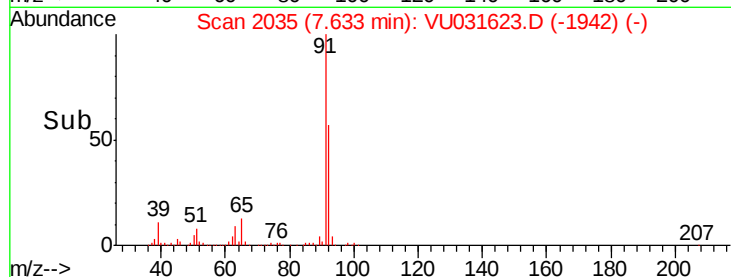
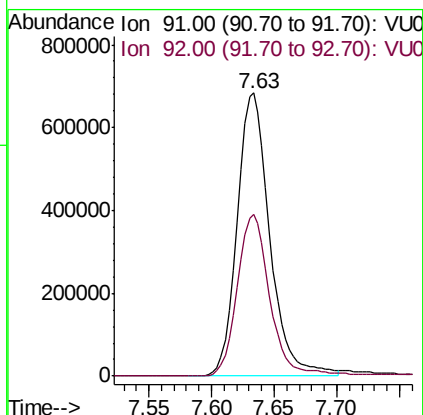
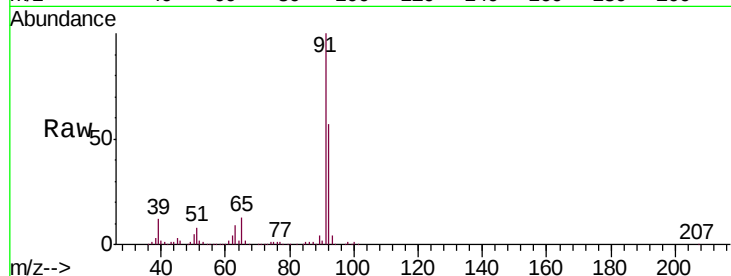
VSTD05054

Tgt Ion: 91 Resp: 1239173

Ion Ratio Lower Upper

91 100

92 57.0 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 48.467 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU031623.D

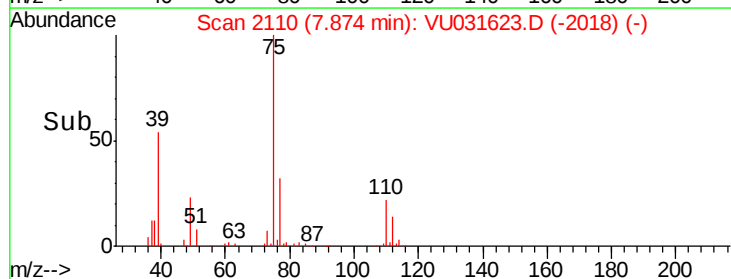
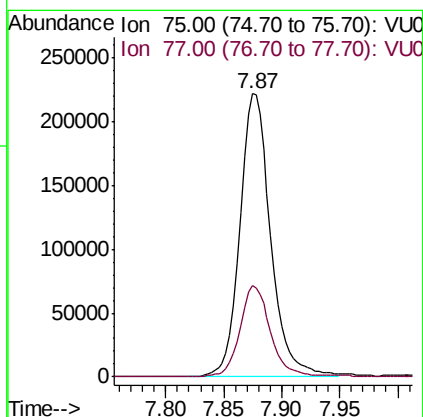
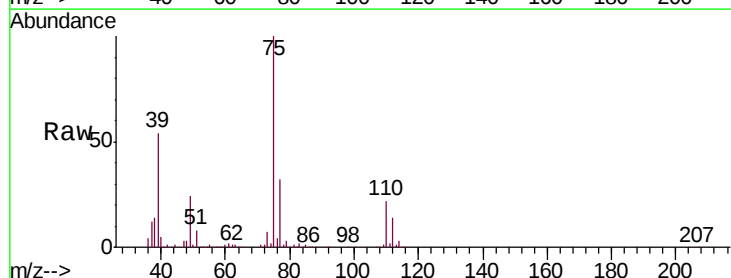
Acq: 30 Apr 2019 06:14

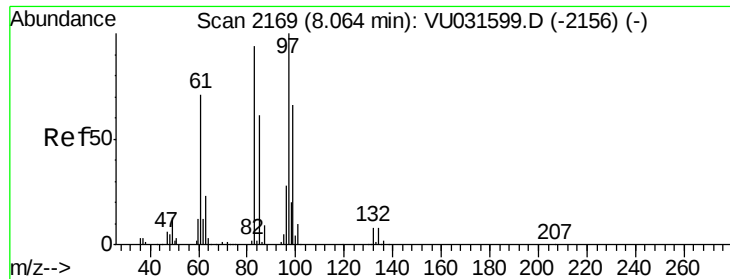
Tgt Ion: 75 Resp: 409274

Ion Ratio Lower Upper

75 100

77 32.1 22.1 41.1

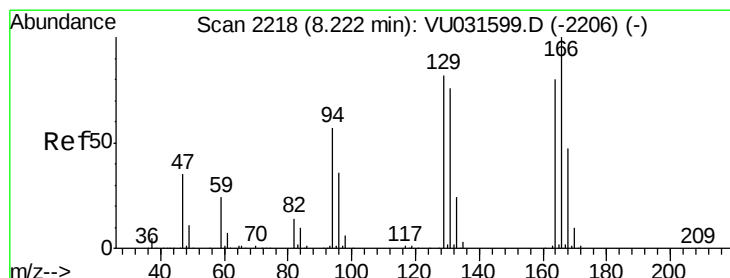
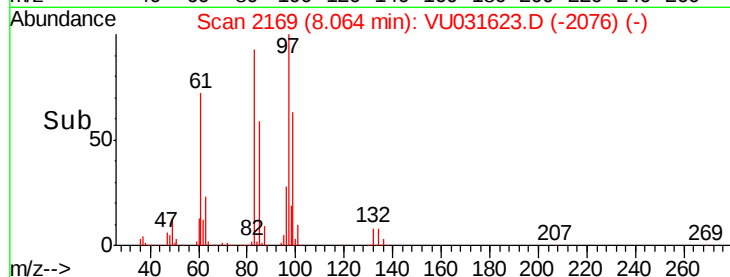
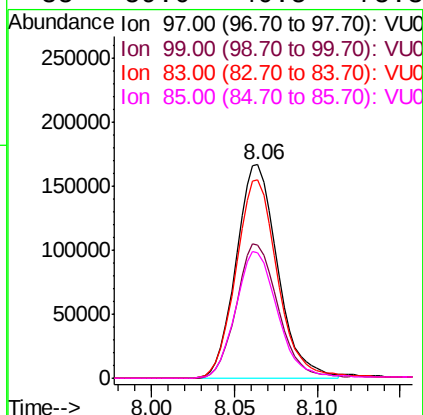
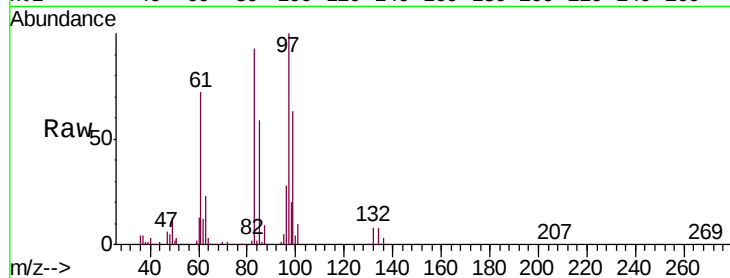




#45
 1,1,2-Trichloroethane
 Concen: 50.169 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031623.D
 Acq: 30 Apr 2019 06:14

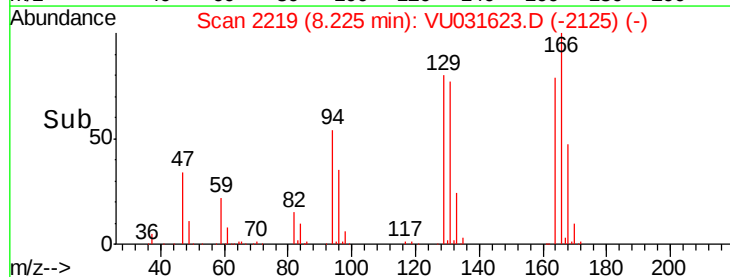
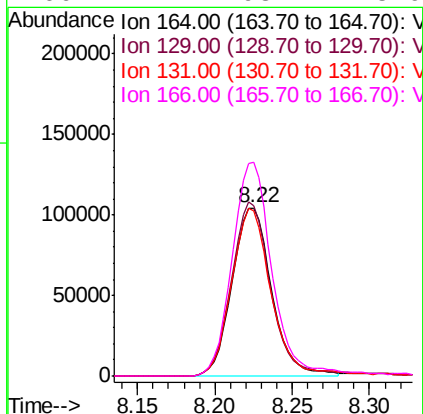
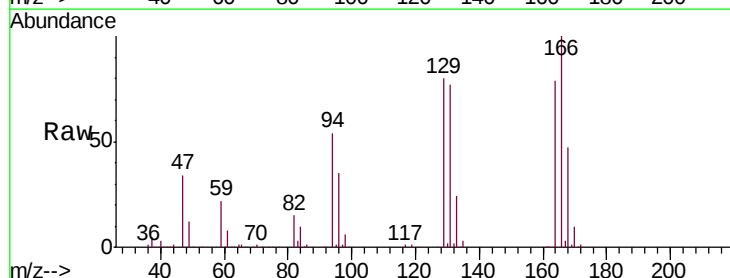
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

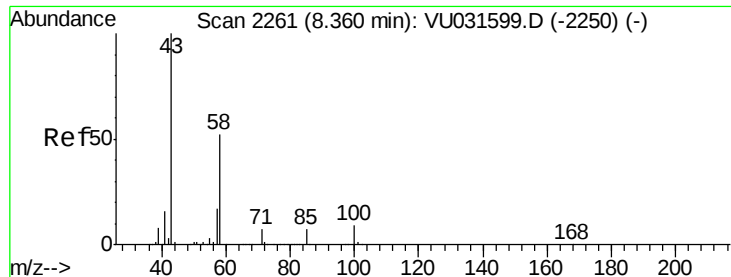
Tgt Ion:	97	Resp:	291412
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.0	80.0
83	92.9	63.6	118.2
85	59.0	40.5	75.3



#46
 Tetrachloroethene
 Concen: 45.213 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU031623.D
 Acq: 30 Apr 2019 06:14

Tgt Ion:	164	Resp:	185438
Ion	Ratio	Lower	Upper
164	100		
129	101.6	71.5	132.9
131	98.6	69.0	128.2
166	127.2	93.7	173.9

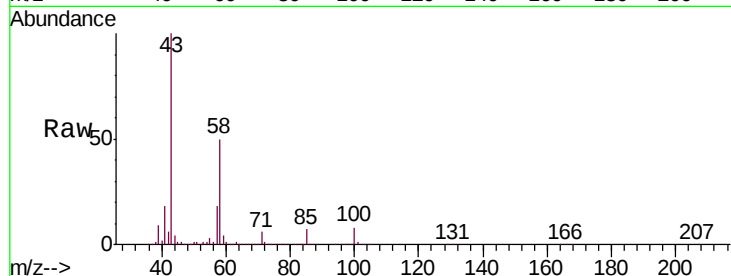




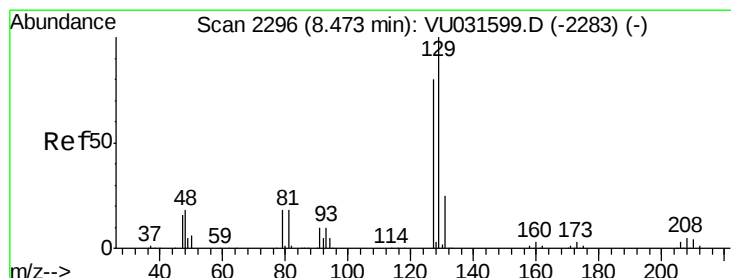
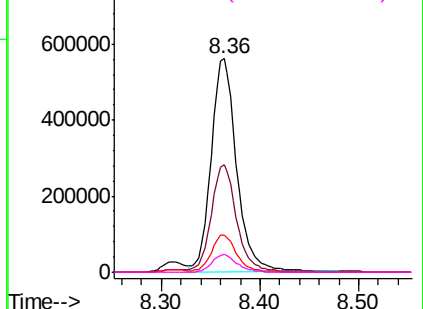
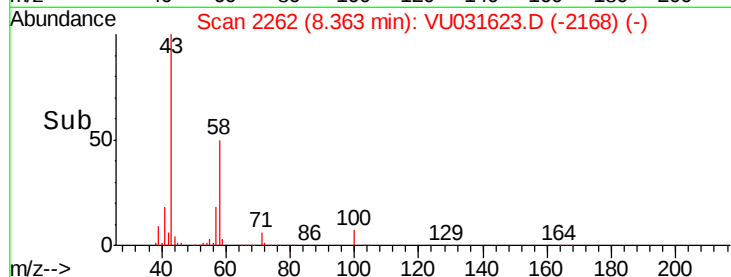
#48
2-Hexanone
Concen: 115.008 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU031623.D
Acq: 30 Apr 2019 06:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Tgt Ion: 43 Resp: 1008341
Ion Ratio Lower Upper
43 100
58 50.7 42.1 63.1
57 17.4 14.6 22.0
100 8.2 7.2 10.8

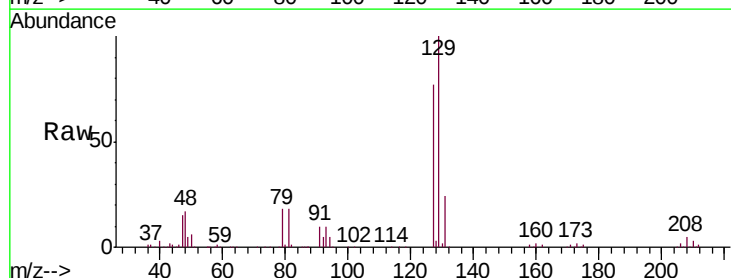


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

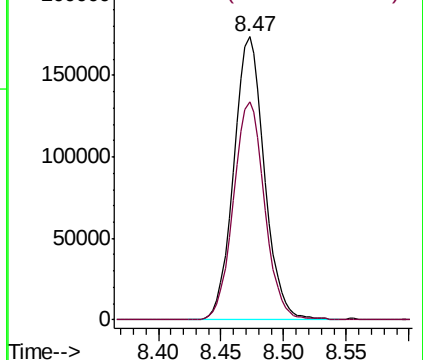
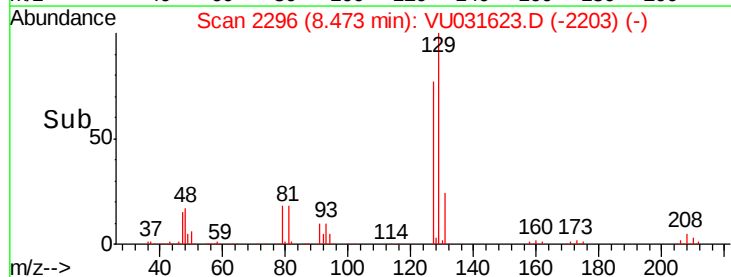


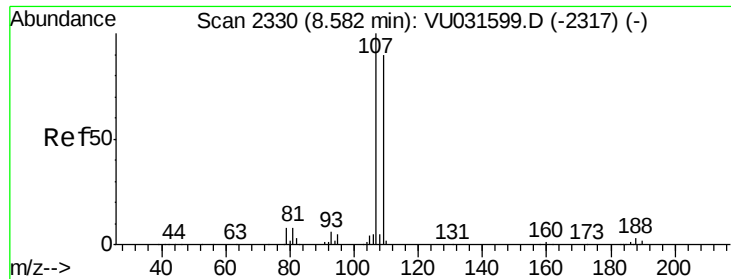
#49
Dibromochloromethane
Concen: 48.822 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031623.D
Acq: 30 Apr 2019 06:14

Tgt Ion: 129 Resp: 295068
Ion Ratio Lower Upper
129 100
127 76.9 54.0 100.2



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

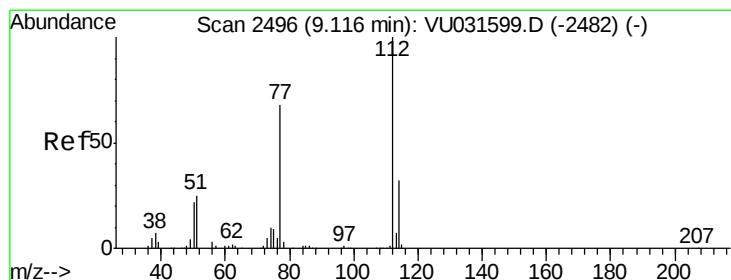
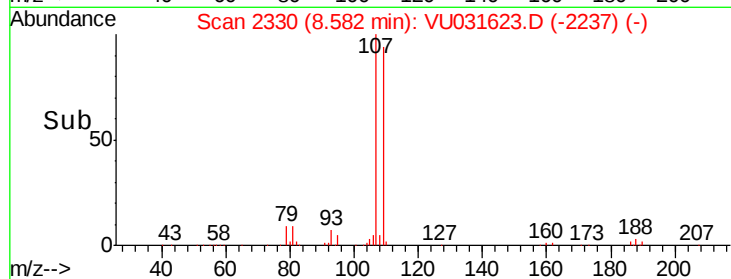
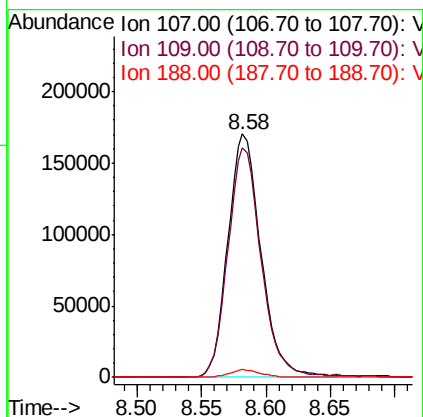
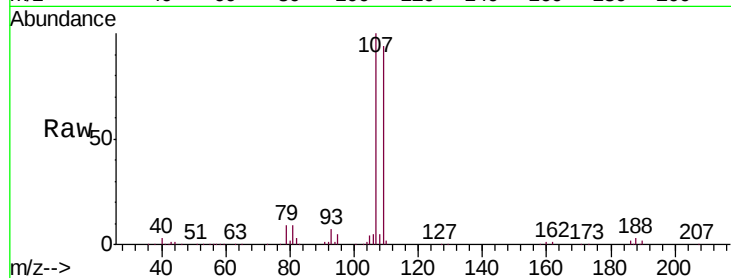




#50
 1,2-Dibromoethane
 Concen: 49.488 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU031623.D
 Acq: 30 Apr 2019 06:14

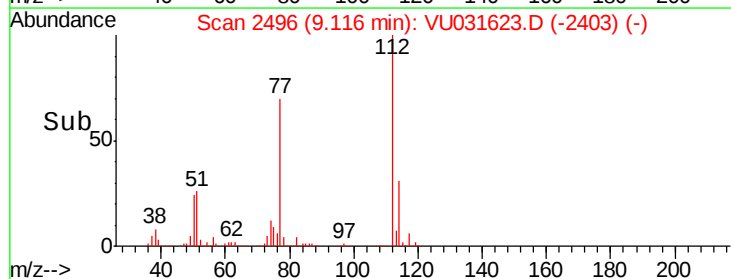
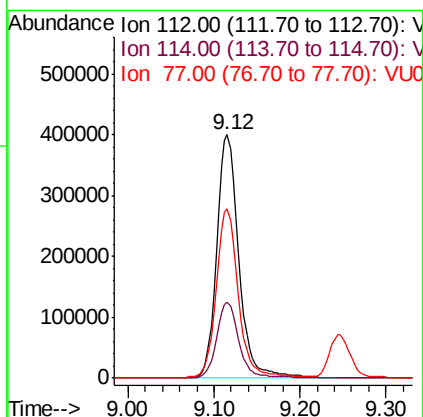
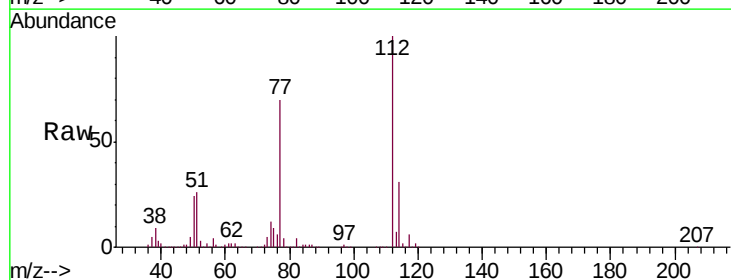
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

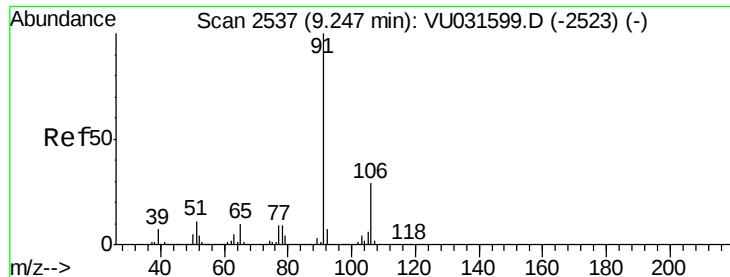
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	64.9	120.5
188	3.1	2.4	3.6



#51
 Chlorobenzene
 Concen: 49.178 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: VU031623.D
 Acq: 30 Apr 2019 06:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.2	23.3	43.3
77	69.8	53.0	79.4

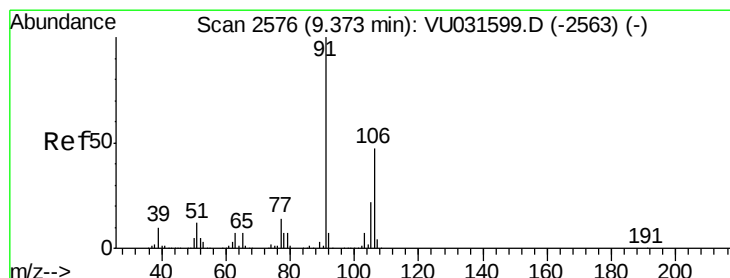
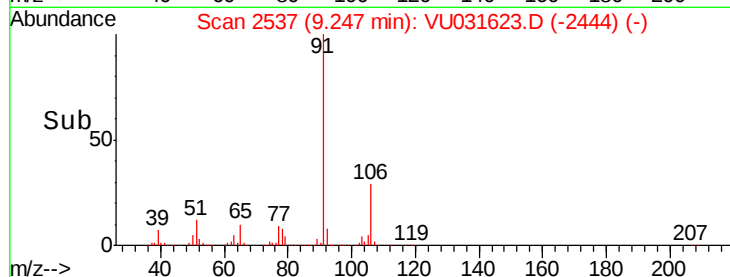
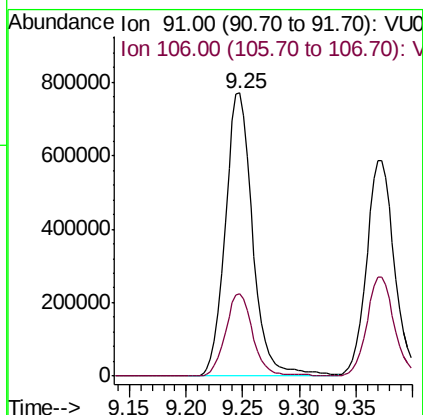
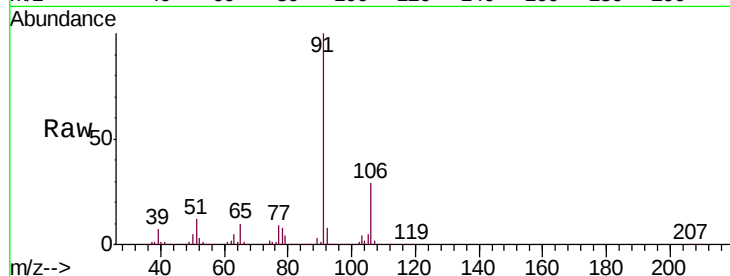




#52
Ethylbenzene
Concen: 50.772 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU031623.D
Acq: 30 Apr 2019 06:14

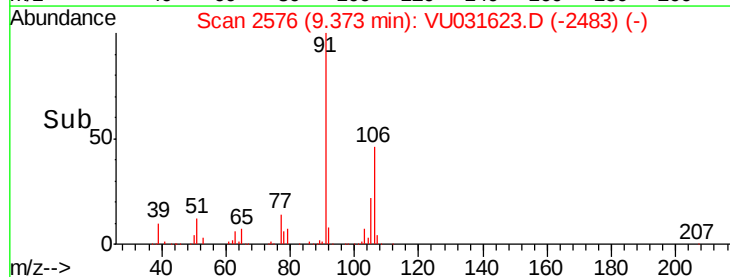
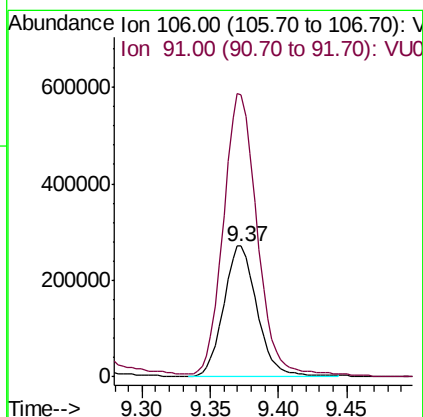
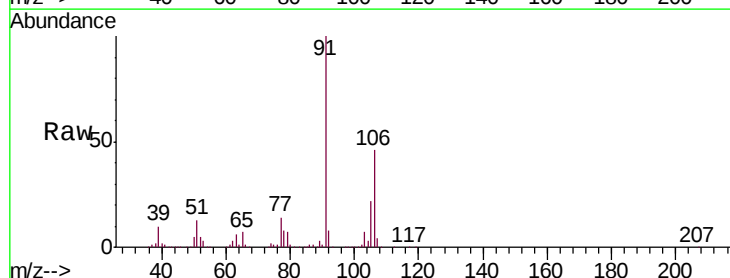
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

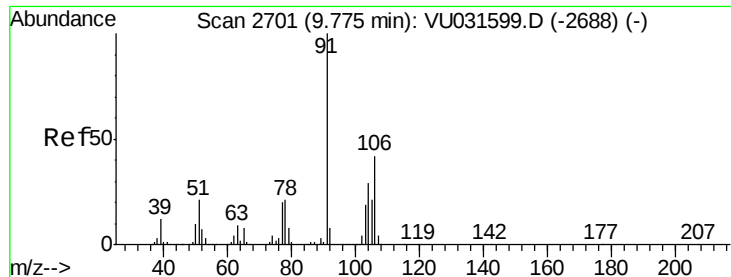
Tgt Ion: 91 Resp: 1302066
Ion Ratio Lower Upper
91 100
106 29.3 20.4 37.8



#53
m,p-Xylene
Concen: 50.792 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU031623.D
Acq: 30 Apr 2019 06:14

Tgt Ion: 106 Resp: 453839
Ion Ratio Lower Upper
106 100
91 215.7 152.2 282.6





#54

o-xylene

Concen: 51.615 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031623.D

Acq: 30 Apr 2019 06:14

Instrument :

MSVOA_U

ClientSampleId :

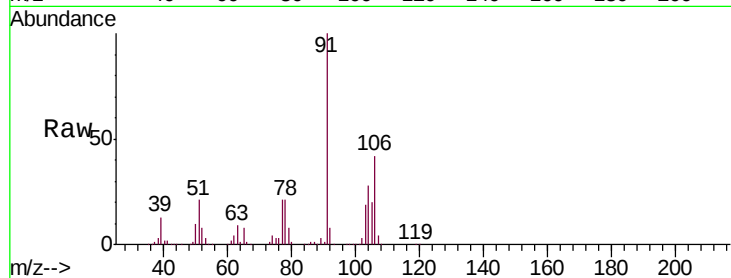
VSTD05054

Tgt Ion:106 Resp: 457224

Ion Ratio Lower Upper

106 100

91 236.5 163.2 303.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

800000

600000

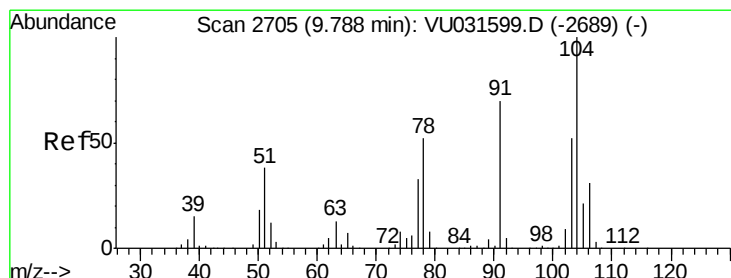
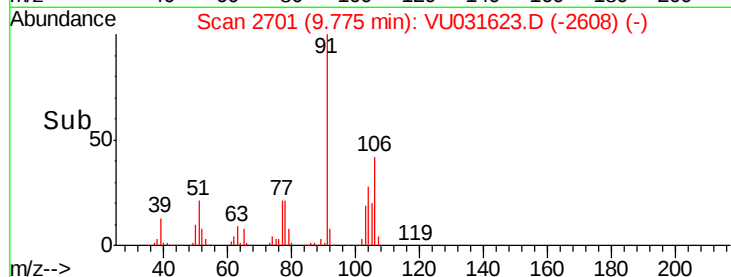
400000

200000

0

9.70 9.75 9.80 9.85 9.90

Time-->



#55

Styrene

Concen: 52.719 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU031623.D

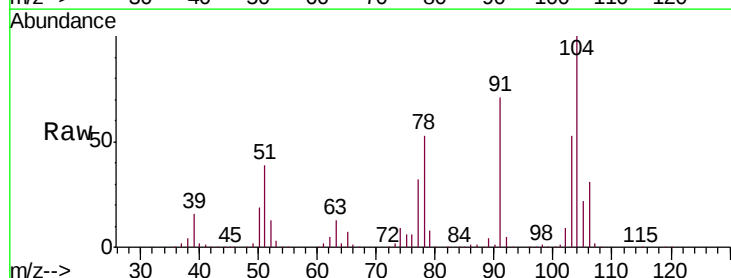
Acq: 30 Apr 2019 06:14

Tgt Ion:104 Resp: 797871

Ion Ratio Lower Upper

104 100

78 52.7 35.4 65.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

500000

400000

300000

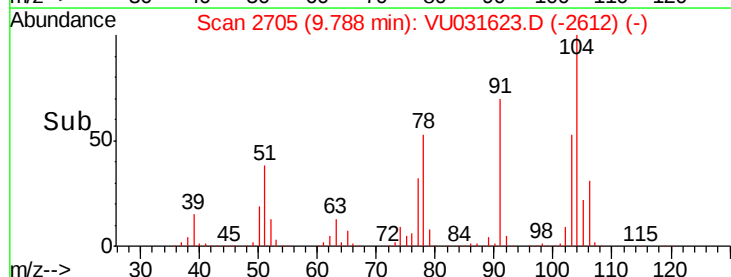
200000

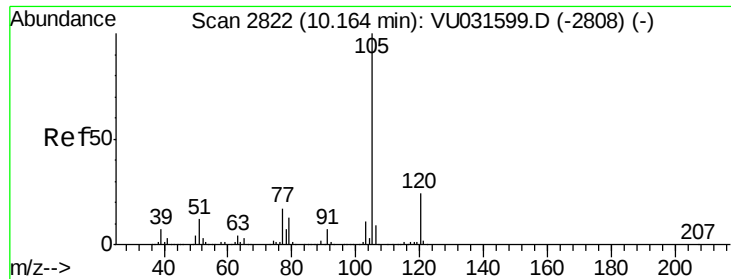
100000

0

9.70 9.80 9.90

Time-->





#56

Isopropylbenzene

Concen: 50.439 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031623.D

Acq: 30 Apr 2019 06:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

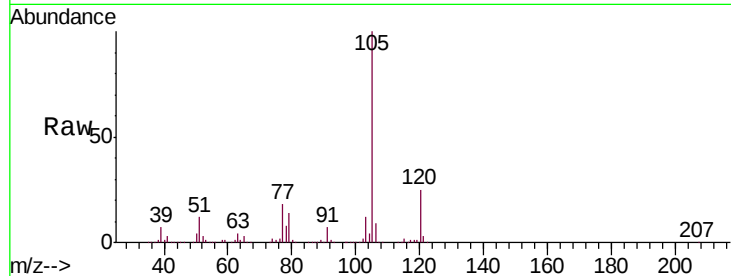
Tgt Ion:105 Resp: 1174906

Ion Ratio Lower Upper

105 100

120 24.9 20.1 30.1

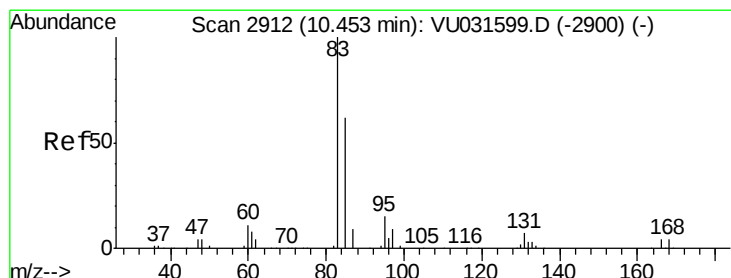
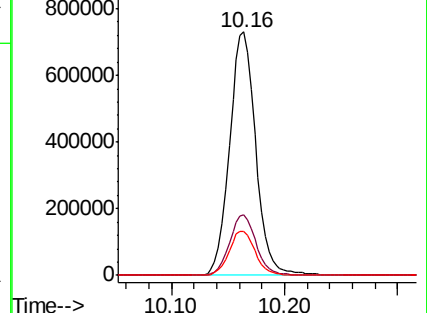
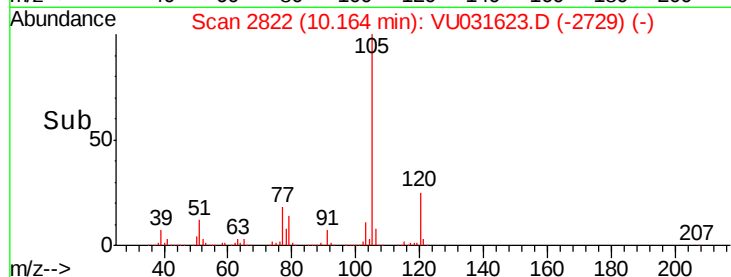
77 18.3 13.8 20.6



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: 51.922 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031623.D

Acq: 30 Apr 2019 06:14

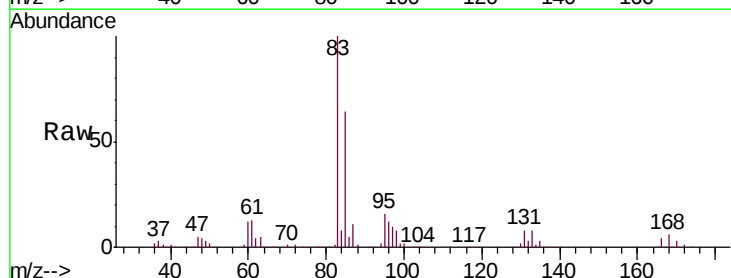
Tgt Ion: 83 Resp: 535172

Ion Ratio Lower Upper

83 100

85 63.9 46.0 85.4

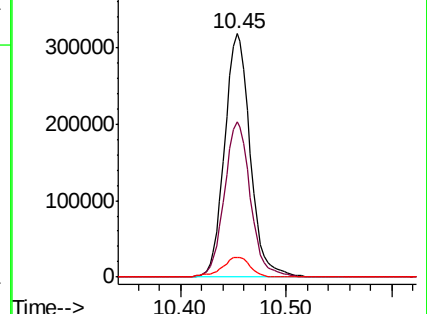
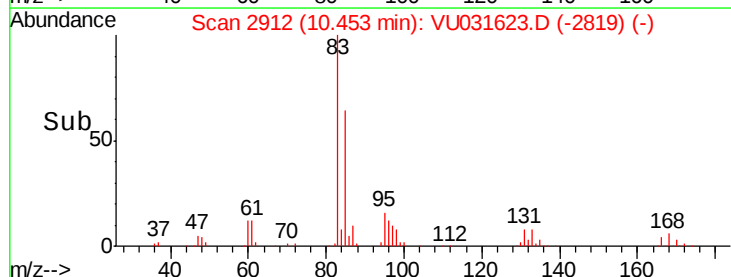
131 8.2 7.3 10.9

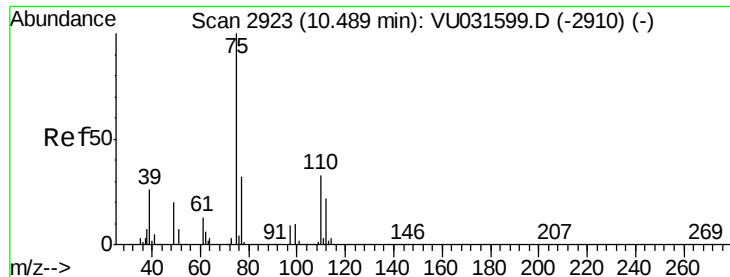


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.441 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU031623.D

Acq: 30 Apr 2019 06:14

Instrument :

MSVOA_U

ClientSampleId :

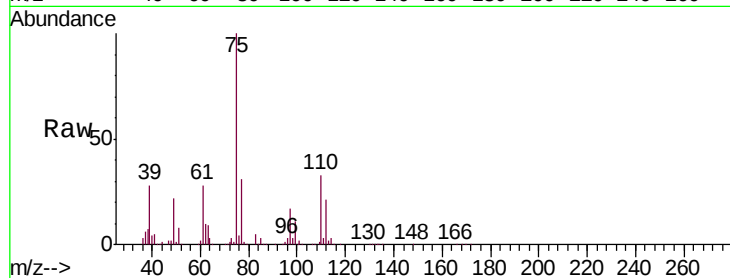
VSTD05054

Tgt Ion: 75 Resp: 438080

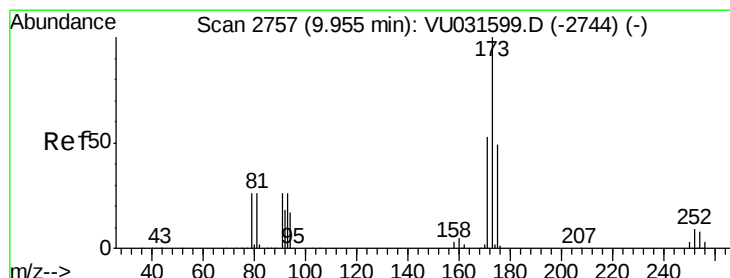
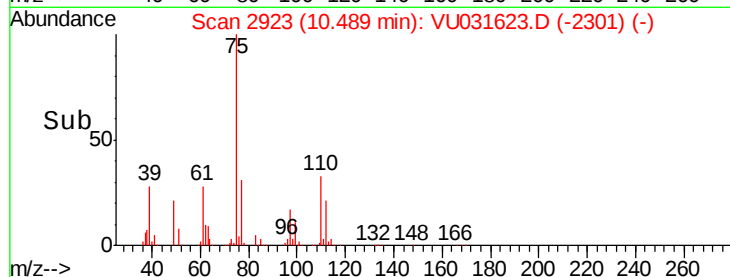
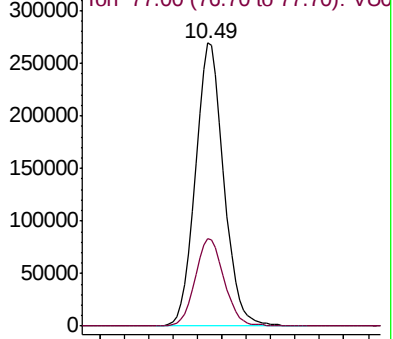
Ion Ratio Lower Upper

75 100

77 31.2 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU031599.D (-2910) (-)



#61

Bromoform

Concen: 46.227 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031623.D

Acq: 30 Apr 2019 06:14

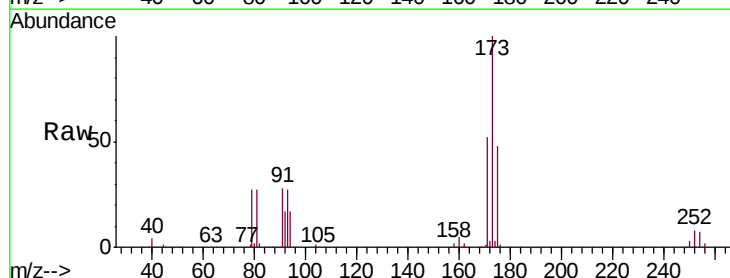
Tgt Ion: 173 Resp: 201950

Ion Ratio Lower Upper

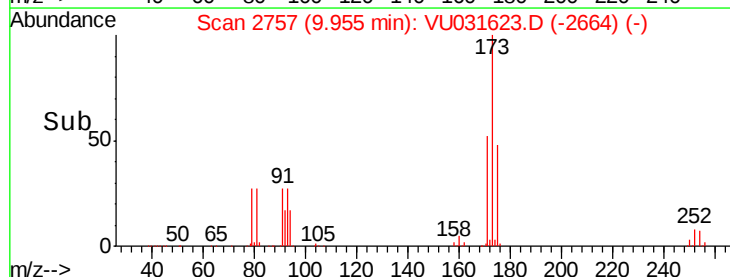
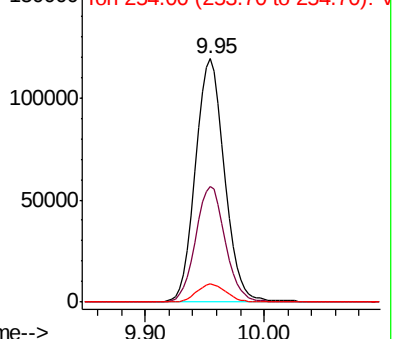
173 100

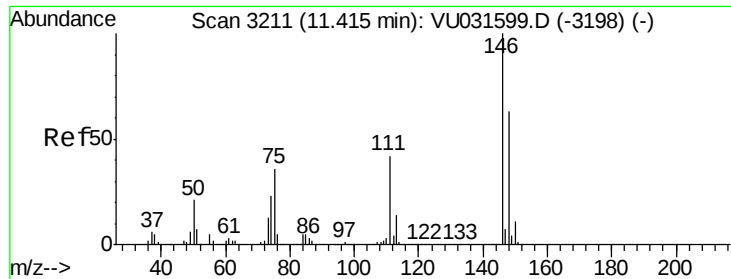
175 48.3 38.3 57.5

254 7.5 6.6 9.8



Abundance Ion 173.00 (172.70 to 173.70): VU031599.D (-2744) (-)

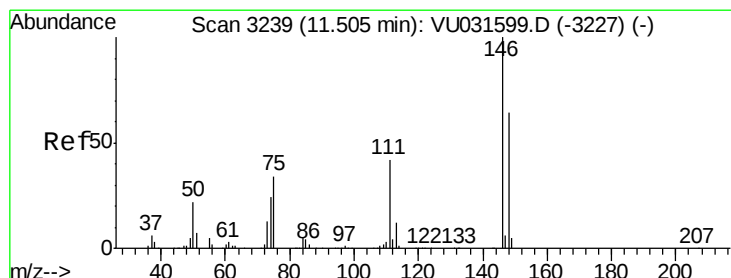
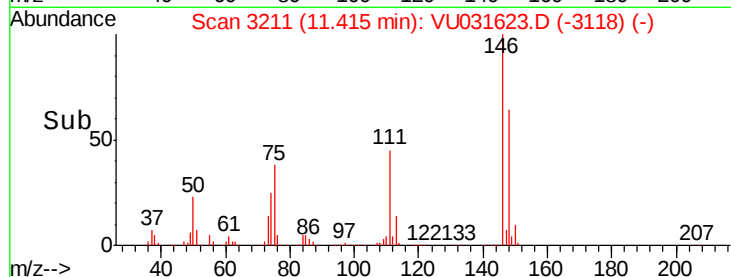
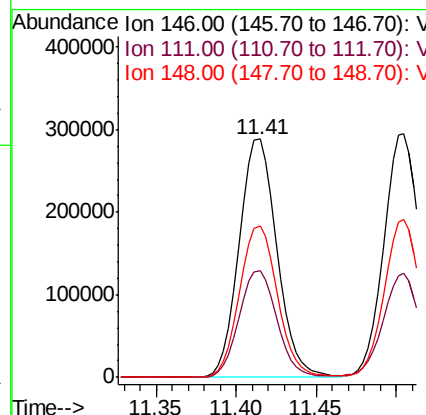
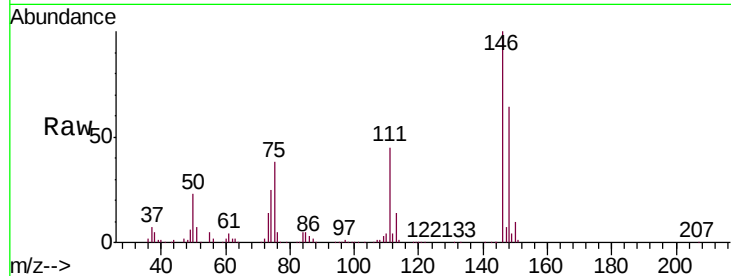




#62
 1,3-Dichlorobenzene
 Concen: 47.586 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU031623.D
 Acq: 30 Apr 2019 06:14

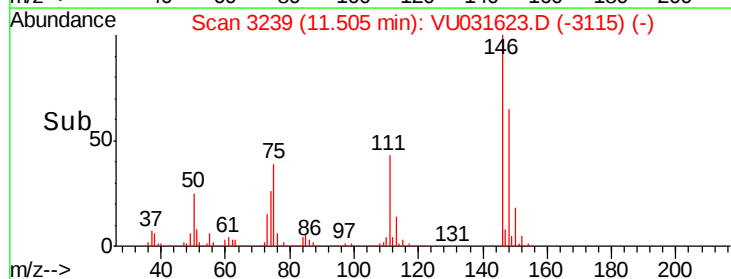
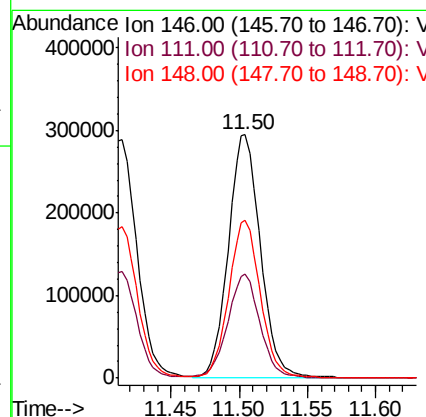
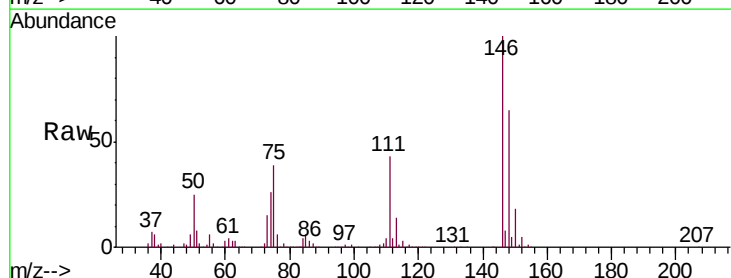
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

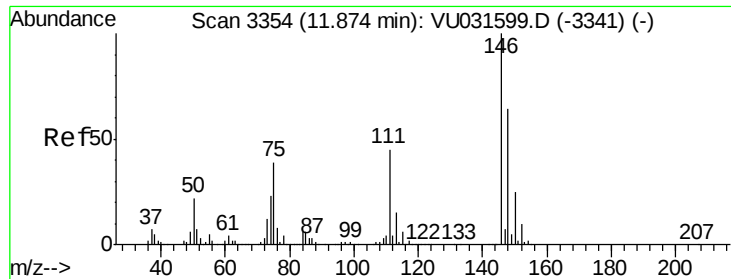
Tgt Ion:146 Resp: 464224
 Ion Ratio Lower Upper
 146 100
 111 44.6 29.8 55.4
 148 63.9 45.1 83.9



#63
 1,4-Dichlorobenzene
 Concen: 47.435 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU031623.D
 Acq: 30 Apr 2019 06:14

Tgt Ion:146 Resp: 479247
 Ion Ratio Lower Upper
 146 100
 111 42.7 28.2 52.4
 148 65.1 45.4 84.4

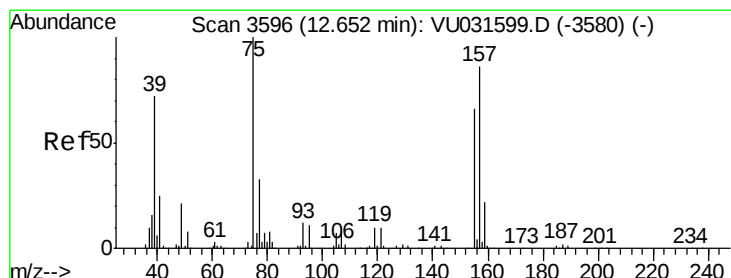
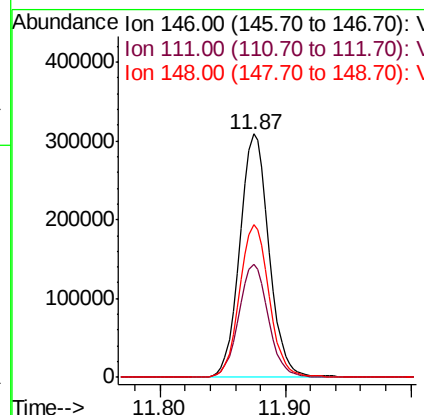
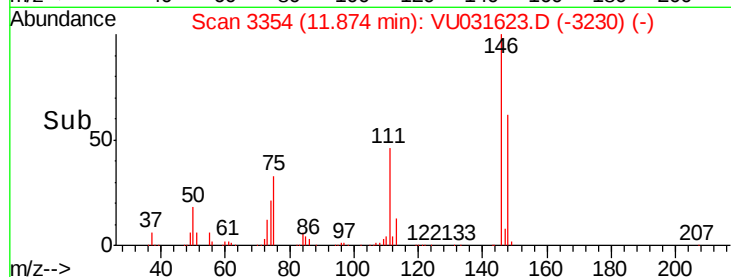
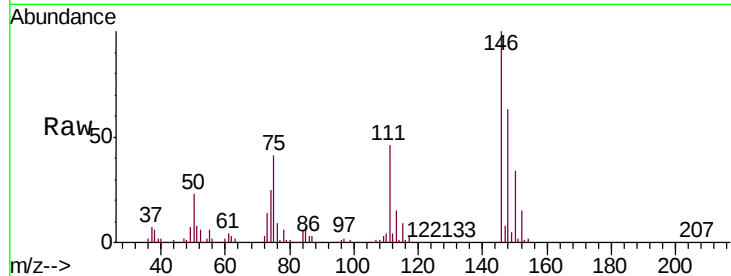




#65
 1,2-Dichlorobenzene
 Concen: 48.074 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU031623.D
 Acq: 30 Apr 2019 06:14

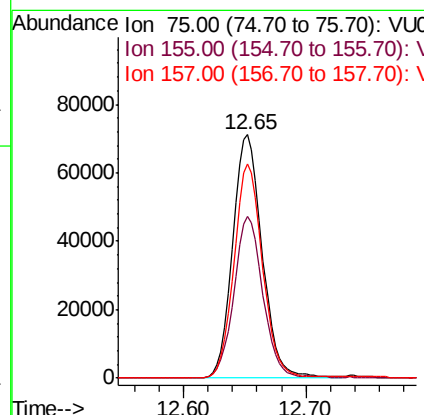
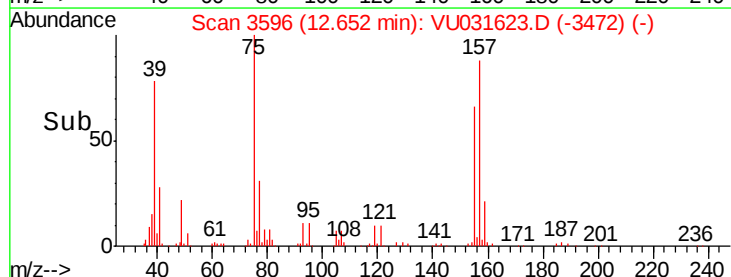
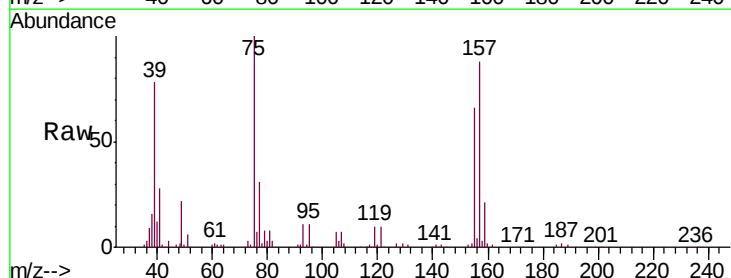
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

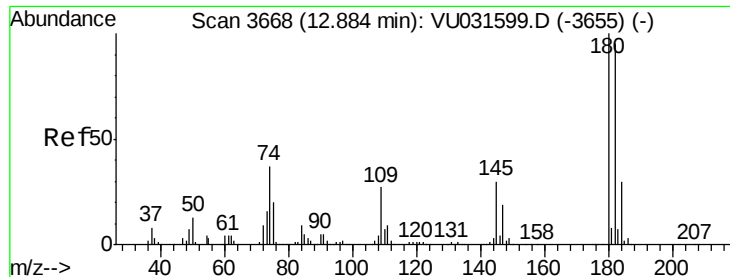
Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.4	35.9	53.9
148	62.5	50.5	75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.978 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031623.D
 Acq: 30 Apr 2019 06:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.2	54.0	81.0
157	88.2	69.1	103.7

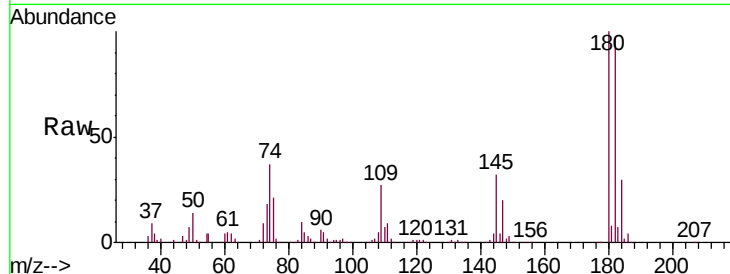




#67
 1,3,5-Trichlorobenzene
 Concen: 44.853 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031623.D
 Acq: 30 Apr 2019 06:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.3	115.9
184	29.8	24.4	36.6
145	31.4	23.8	35.8



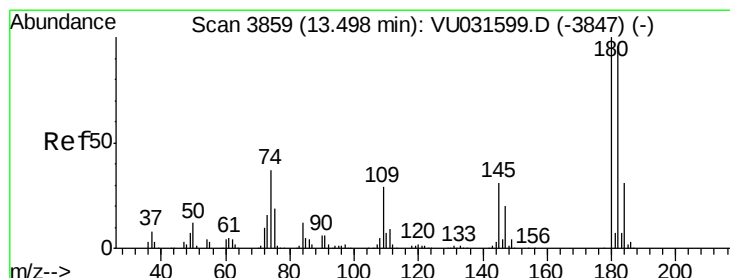
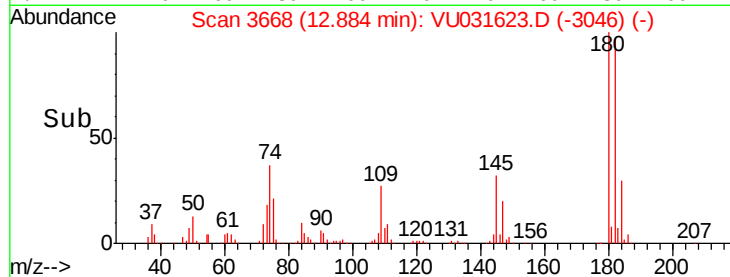
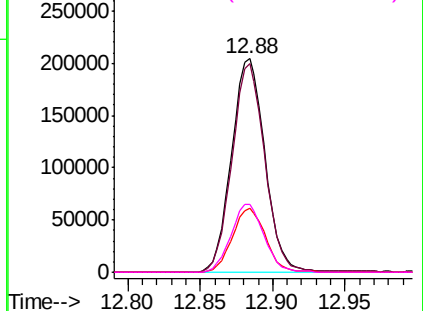
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

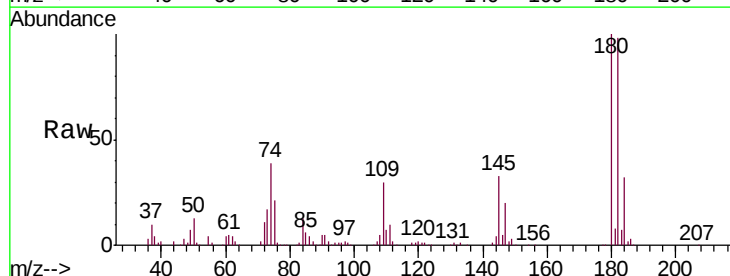
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 45.509 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU031623.D
 Acq: 30 Apr 2019 06:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	75.8	113.8
145	32.5	24.5	36.7

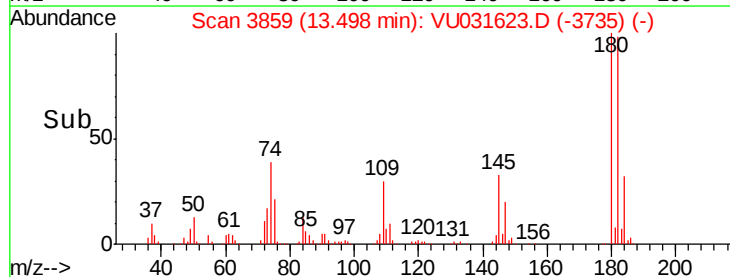
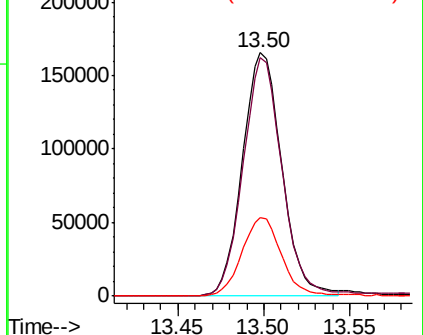


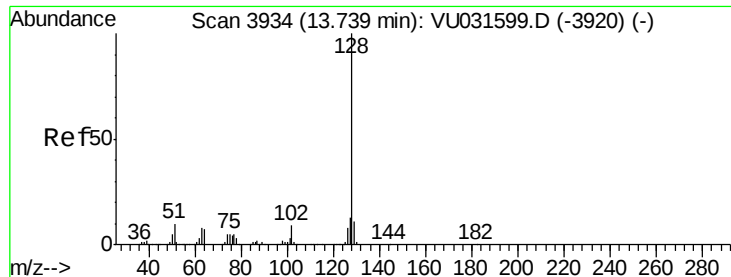
Abundance

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: 50.112 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031623.D

Acq: 30 Apr 2019 06:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

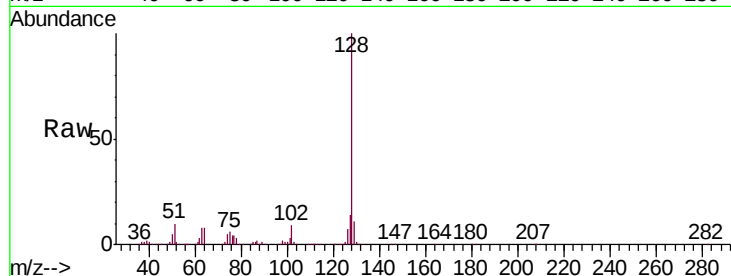
Tgt Ion:128 Resp: 988324

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

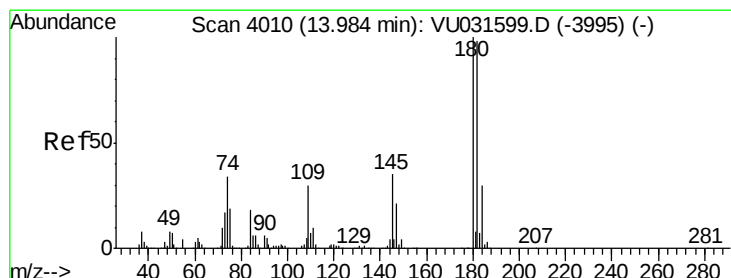
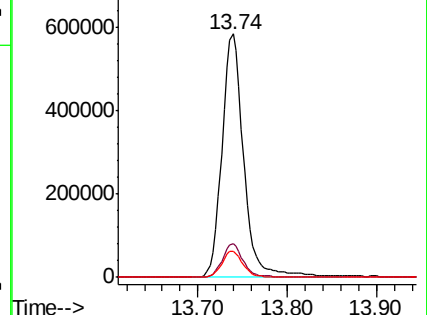
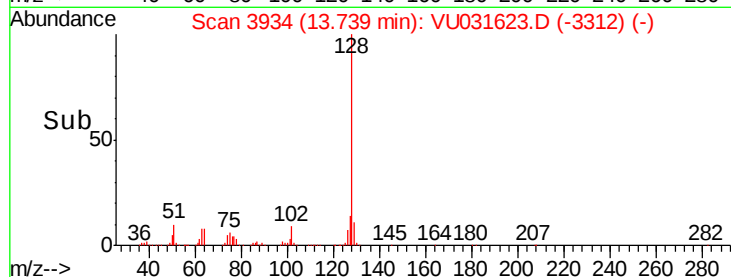
129 10.5 8.7 13.1



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: 45.592 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031623.D

Acq: 30 Apr 2019 06:14

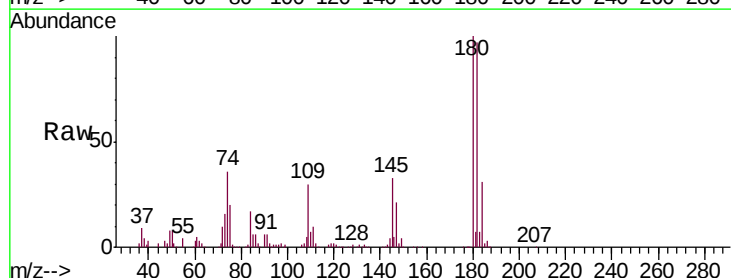
Tgt Ion:180 Resp: 300249

Ion Ratio Lower Upper

180 100

182 94.8 76.1 114.1

145 32.6 26.0 39.0



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

