

Data File : VU030334.D
Acq On : 23 Mar 2019 01:35
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

Quant Time: Mar 23 04:43:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 23 04:35:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	520909	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	505383	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	259218	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	161667	45.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.80%
7) Chloroethane-d5	1.68	69	136021	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.58%
11) 1,1-Dichloroethene-d2	2.27	63	302773	47.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.24%
21) 2-Butanone-d5	4.17	46	287844	110.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.15%
24) Chloroform-d	4.65	84	321017	49.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.32%
26) 1,2-Dichloroethane-d4	5.31	65	180885	49.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.12%
32) Benzene-d6	5.34	84	659212	49.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.33	67	206971	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.46%
41) Toluene-d8	7.56	98	603755	48.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.42%
43) trans-1,3-Dichloropropene-	7.85	79	95310	47.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.00%
47) 2-Hexanone-d5	8.31	63	229471	107.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.38%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	322817	51.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	251976	48.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.84%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	209489	47.500 ug/L	99
3) Chloromethane	1.33	50	214863	50.331 ug/L	100
5) Vinyl chloride	1.40	62	229379	50.616 ug/L	99
6) Bromomethane	1.62	94	116219	47.390 ug/L	100
8) Chloroethane	1.70	64	137016	51.138 ug/L	96
9) Trichlorofluoromethane	1.88	101	286797	49.834 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	165766	47.369 ug/L	98
12) 1,1-Dichloroethene	2.28	96	174736	50.279 ug/L	97
13) Acetone	2.32	43	192021	70.325 ug/L	99
14) Carbon disulfide	2.48	76	485296	46.753 ug/L	99
15) Methyl Acetate	2.61	43	210023	52.893 ug/L	99
16) Methylene chloride	2.70	84	200767	50.937 ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	182646	49.870 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	551892	52.385 ug/L	99
19) 1,1-Dichloroethane	3.44	63	325124	51.611 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	207378	51.681 ug/L	99
22) 2-Butanone	4.26	43	308543	96.145 ug/L	99

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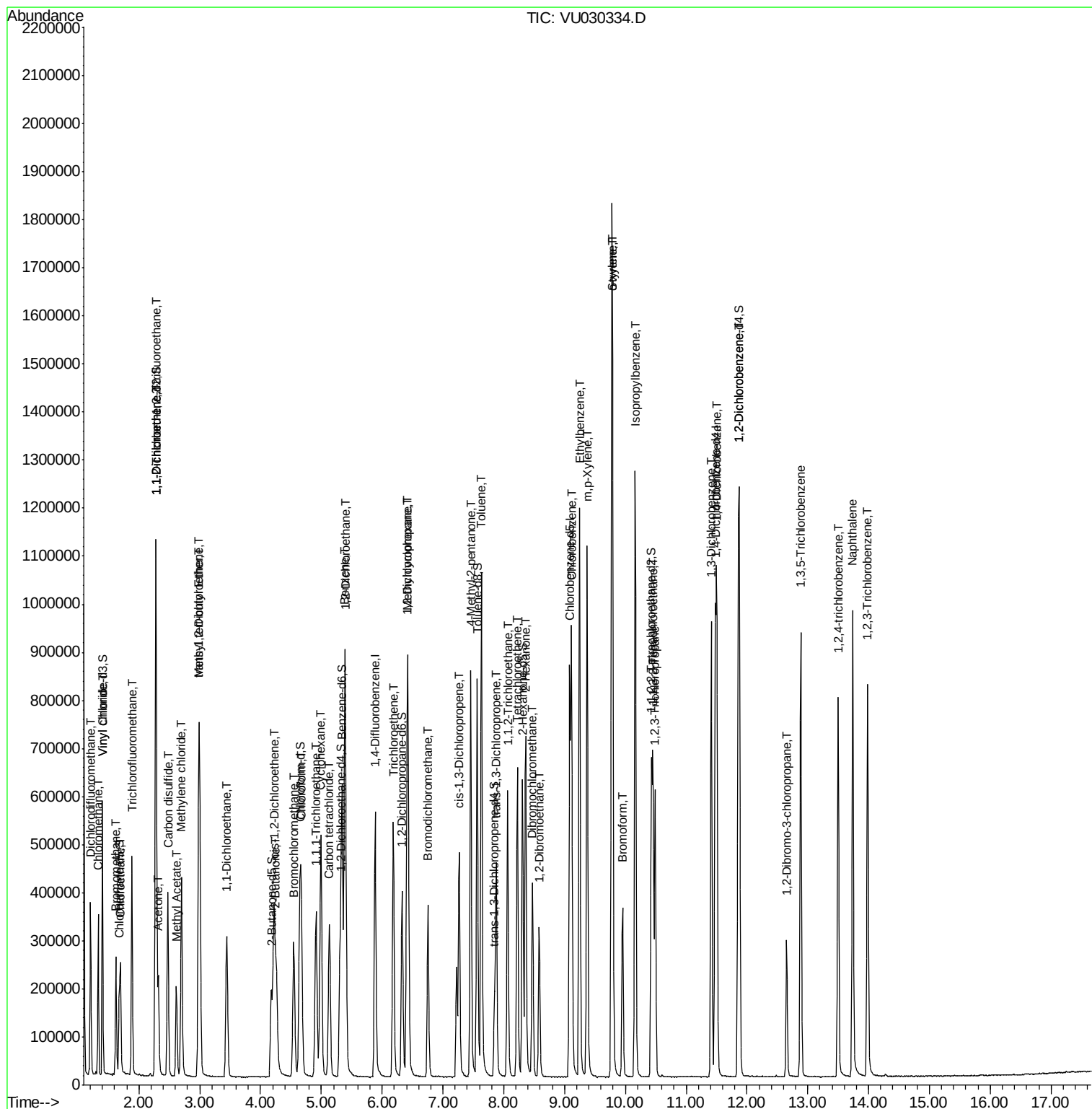
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	107551	50.079	ug/L	97
25) Chloroform	4.67	83	334384	50.951	ug/L	97
27) 1,2-Dichloroethane	5.40	62	234716	50.458	ug/L	97
29) Cyclohexane	4.99	56	278211	50.665	ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	280853	51.565	ug/L	99
31) Carbon tetrachloride	5.13	117	246390	51.099	ug/L	99
33) Benzene	5.39	78	772862	53.005	ug/L	100
34) Trichloroethene	6.18	95	195272	50.810	ug/L	99
35) Methylcyclohexane	6.41	83	292484	48.534	ug/L	99
37) 1,2-Dichloropropane	6.43	63	196854	52.715	ug/L	99
38) Bromodichloromethane	6.75	83	248580	51.773	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	300862	50.216	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	548859	106.943	ug/L	99
42) Toluene	7.63	91	841001	52.991	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	261923	50.521	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	201437	52.550	ug/L	99
46) Tetrachloroethene	8.22	164	161732	49.808	ug/L	99
48) 2-Hexanone	8.36	43	441483	103.642	ug/L	98
49) Dibromochloromethane	8.47	129	219209	50.997	ug/L	98
50) 1,2-Dibromoethane	8.58	107	220732	51.939	ug/L	99
51) Chlorobenzene	9.12	112	542166	51.636	ug/L	99
52) Ethylbenzene	9.25	91	897010	52.045	ug/L	99
53) m,p-Xylene	9.37	106	345460	52.025	ug/L	99
54) o-xylene	9.77	106	344020	52.703	ug/L	99
55) Styrene	9.79	104	589412	53.294	ug/L	100
56) Isopropylbenzene	10.16	105	873078	51.734	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	339458	51.933	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	259617	51.439	ug/L	99
61) Bromoform	9.95	173	170158	50.832	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	416788	50.396	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	424626	49.499	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	429876	50.875	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	71826	50.843	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	312873	48.406	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	276287	48.337	ug/L	99
69) Naphthalene	13.74	128	841725	46.416	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	291447	48.868	ug/L	99

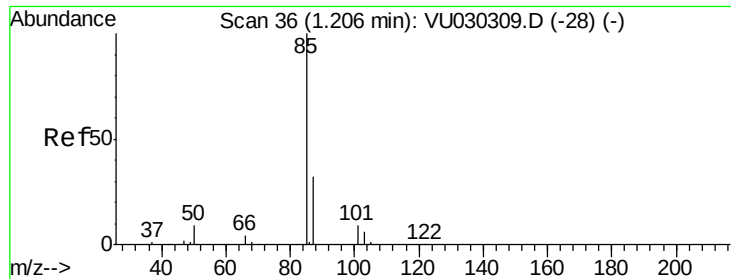
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.500 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

Instrument :

MSVOA_U

ClientSampleId :

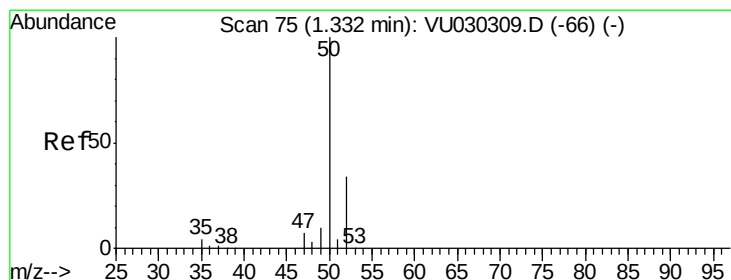
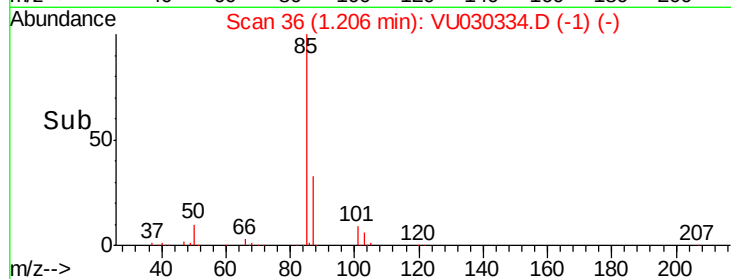
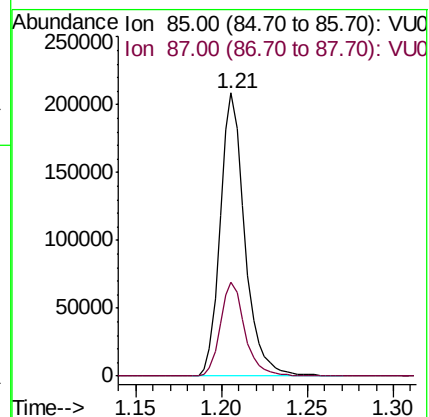
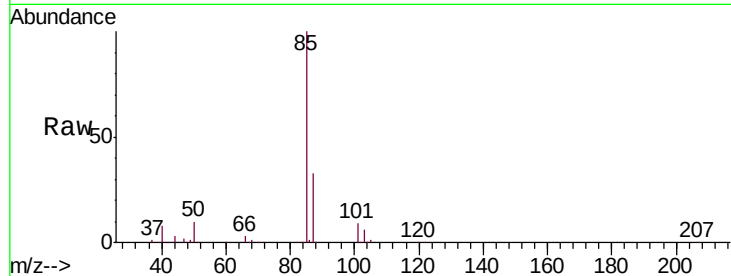
VSTD05055

Tgt Ion: 85 Resp: 209489

Ion Ratio Lower Upper

85 100

87 33.1 26.1 39.1



#3

Chloromethane

Concen: 50.331 ug/L

RT: 1.33 min Scan# 75

Delta R.T. -0.00 min

Lab File: VU030334.D

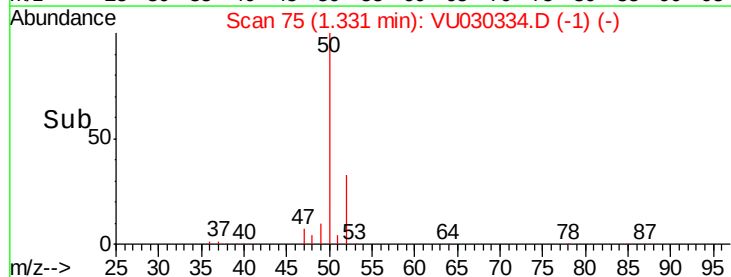
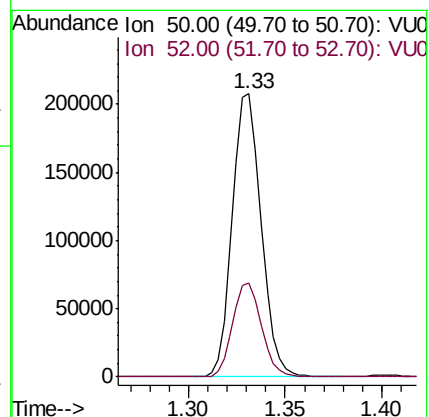
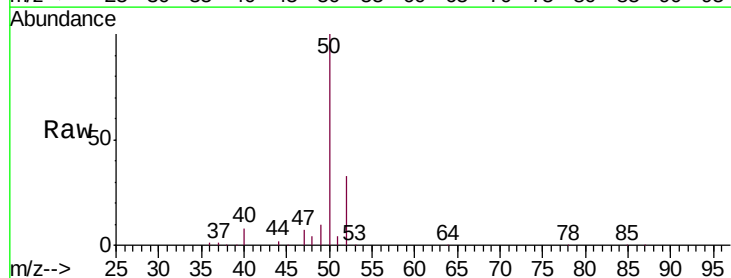
Acq: 23 Mar 2019 01:35

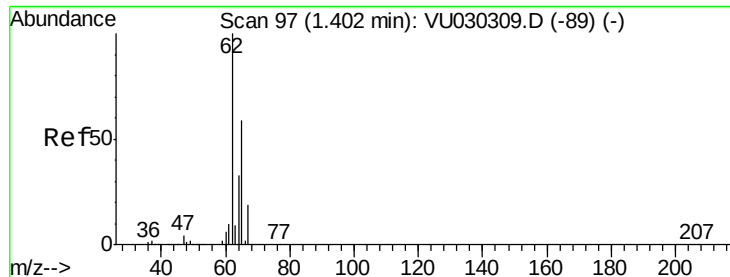
Tgt Ion: 50 Resp: 214863

Ion Ratio Lower Upper

50 100

52 33.3 23.4 43.6





#5

Vinyl chloride

Concen: 50.616 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

Instrument :

MSVOA_U

ClientSampleId :

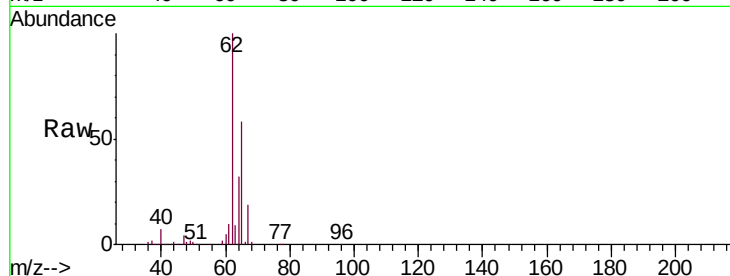
VSTD05055

Tgt Ion: 62 Resp: 229379

Ion Ratio Lower Upper

62 100

64 32.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU030334.D (-89) (-)

Ion 64.00 (63.70 to 64.70): VU030334.D (-89) (-)

1.40

250000

200000

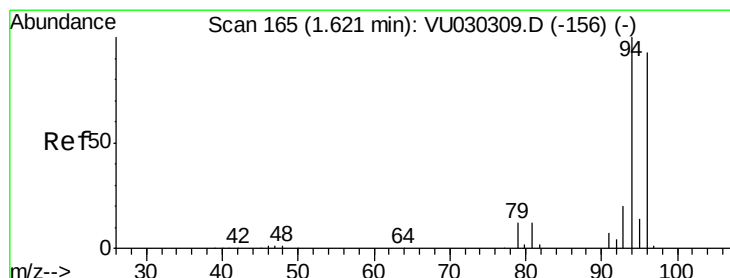
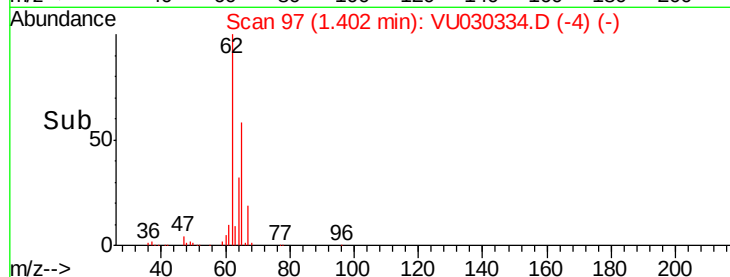
150000

100000

50000

0

Time--> 1.35 1.40 1.45



#6

Bromomethane

Concen: 47.390 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU030334.D

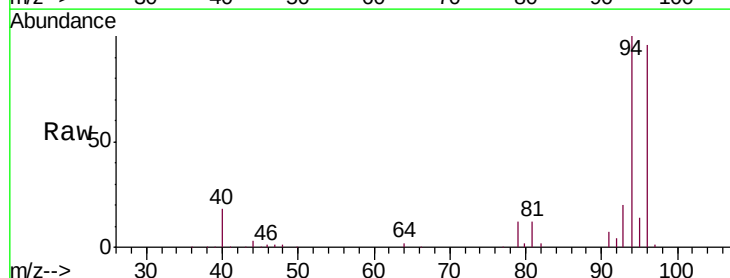
Acq: 23 Mar 2019 01:35

Tgt Ion: 94 Resp: 116219

Ion Ratio Lower Upper

94 100

96 95.6 66.6 123.6



Abundance Ion 94.00 (93.70 to 94.70): VU030334.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU030334.D (-156) (-)

1.62

100000

80000

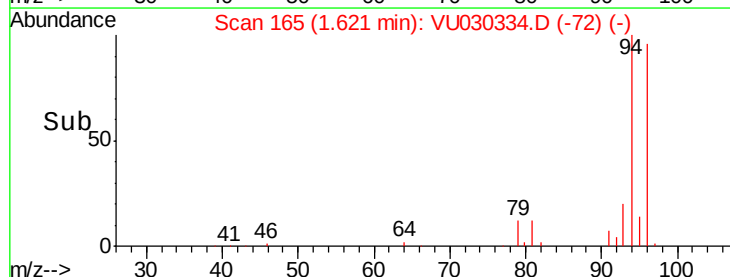
60000

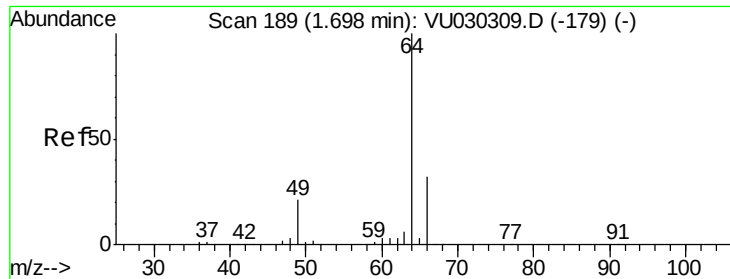
40000

20000

0

Time--> 1.55 1.60 1.65 1.70

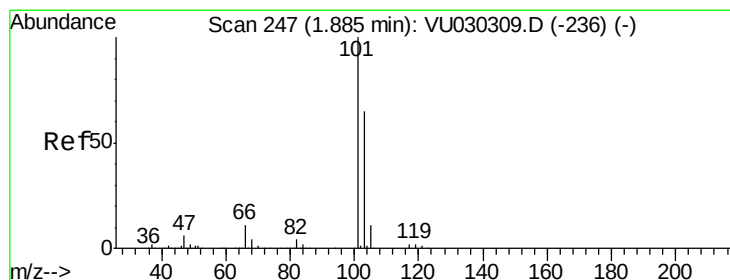
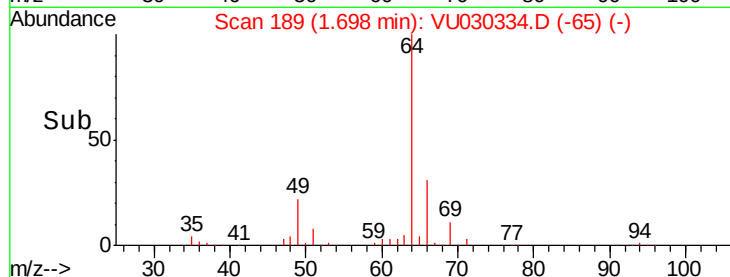
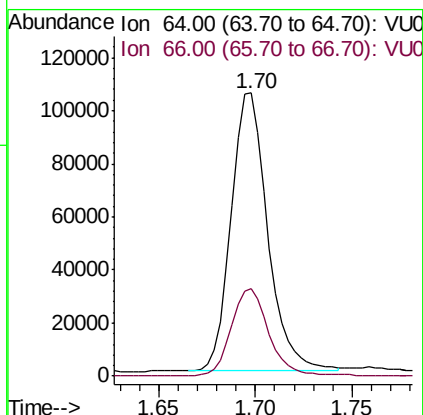
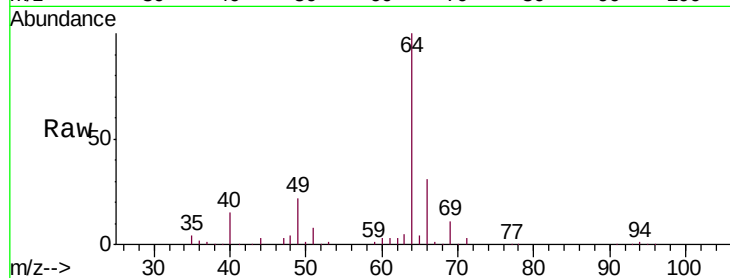




#8
Chloroethane
Concen: 51.138 ug/L
RT: 1.70 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU030334.D
Acq: 23 Mar 2019 01:35

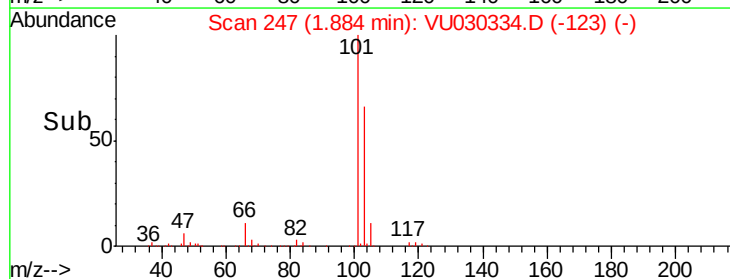
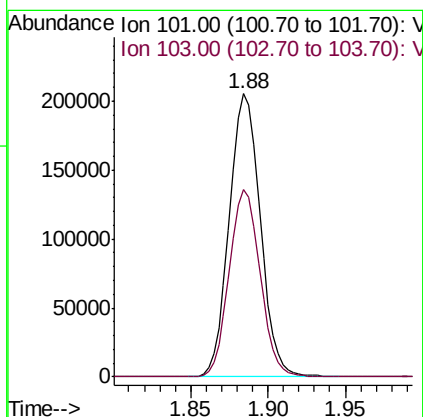
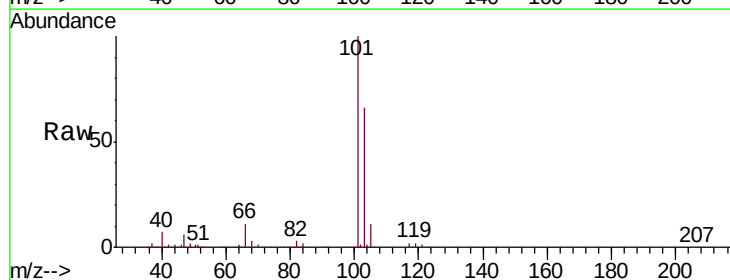
Instrument :
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VSTD05055

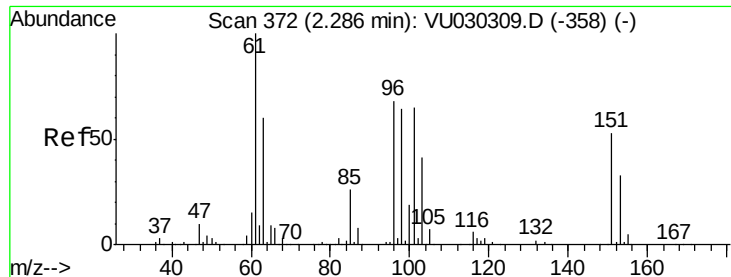
Tgt Ion: 64 Resp: 137016
Ion Ratio Lower Upper
64 100
66 30.7 23.2 43.0



#9
Trichlorofluoromethane
Concen: 49.834 ug/L
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU030334.D
Acq: 23 Mar 2019 01:35

Tgt Ion: 101 Resp: 286797
Ion Ratio Lower Upper
101 100
103 65.8 51.6 77.4





#10

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

Concen: 47.369 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

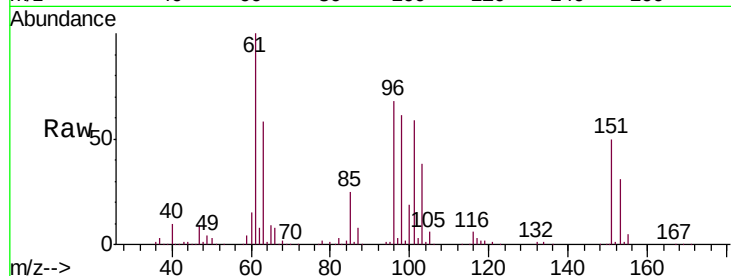
Tgt Ion: 101 Resp: 165766

Ion Ratio Lower Upper

101 100

85 41.8 32.5 48.7

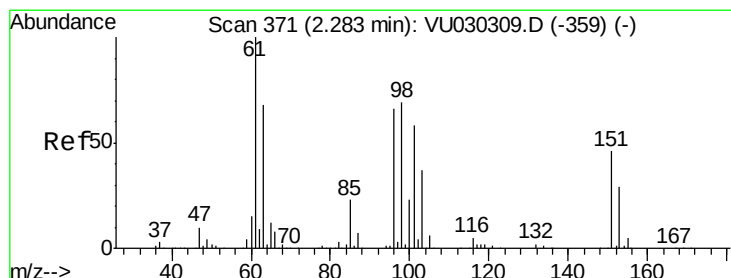
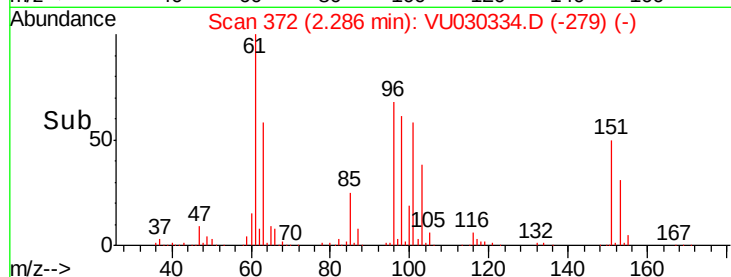
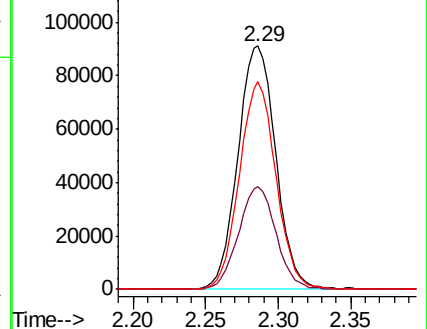
151 82.4 64.7 97.1



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: 50.279 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

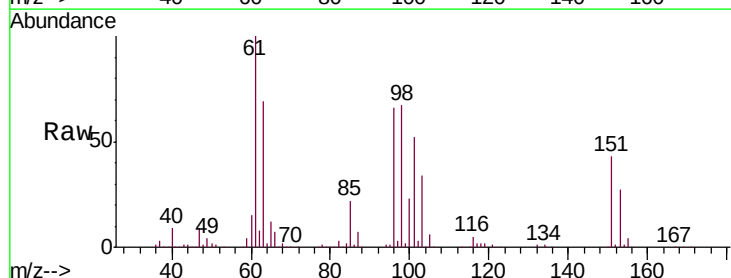
Tgt Ion: 96 Resp: 174736

Ion Ratio Lower Upper

96 100

61 151.2 104.6 194.2

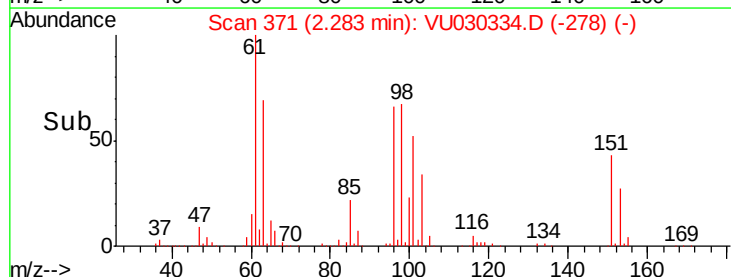
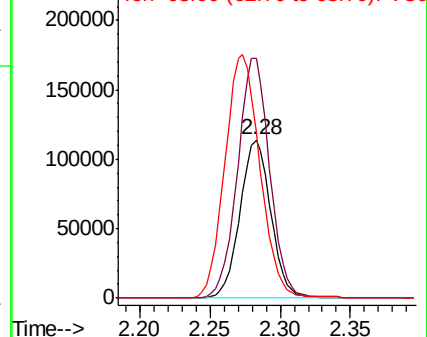
63 104.3 77.2 143.4

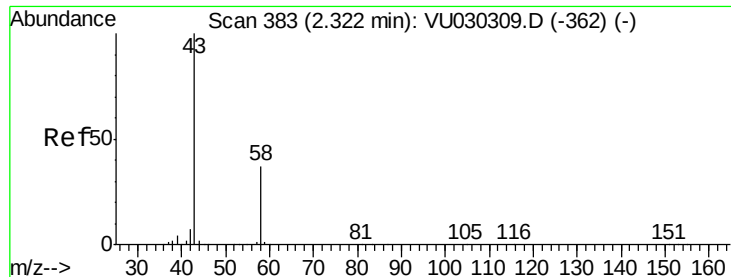


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 70.325 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

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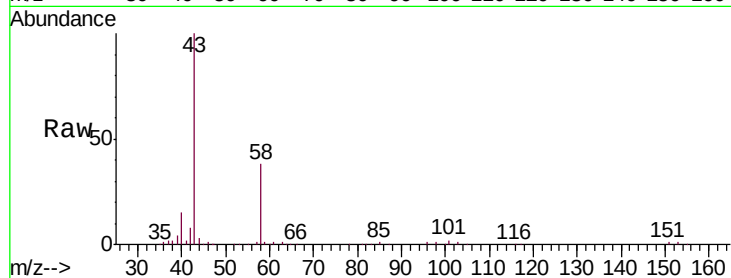
VSTD05055

Tgt Ion: 43 Resp: 192021

Ion Ratio Lower Upper

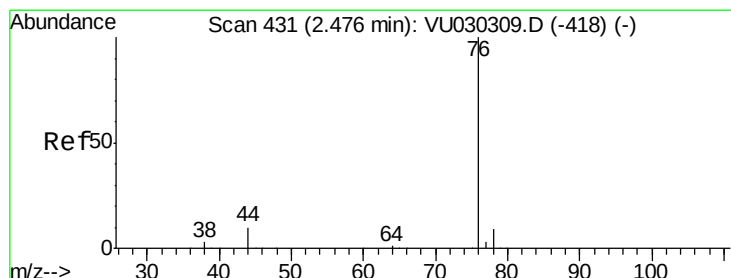
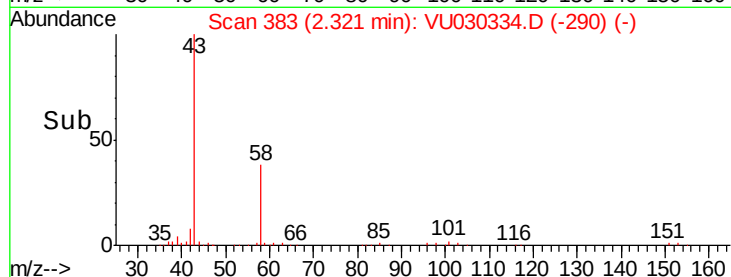
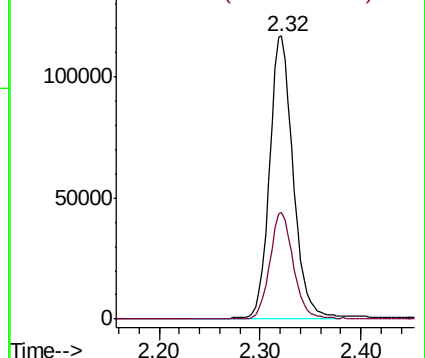
43 100

58 37.0 0.0 73.4



Abundance Ion 43.00 (42.70 to 43.70): VU030334.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030334.D (-362) (-)



#14

Carbon disulfide

Concen: 46.753 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU030334.D

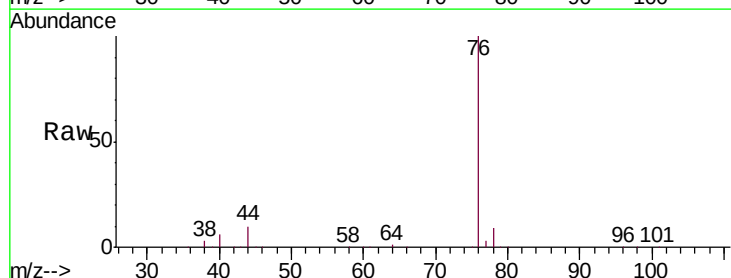
Acq: 23 Mar 2019 01:35

Tgt Ion: 76 Resp: 485296

Ion Ratio Lower Upper

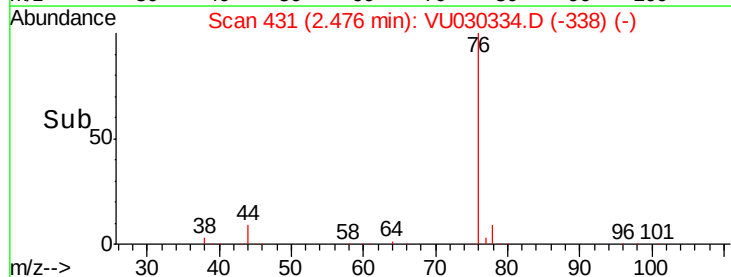
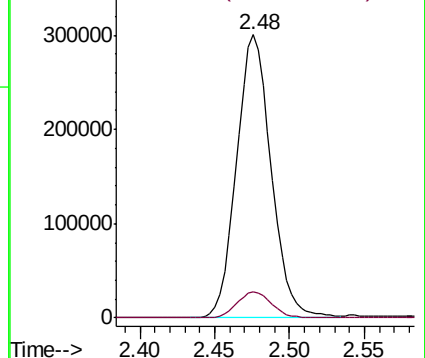
76 100

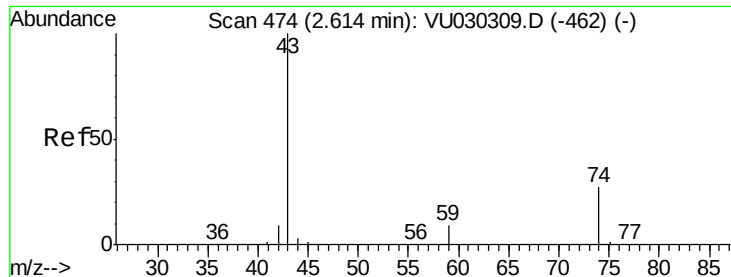
78 9.2 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VU030334.D (-418) (-)

Ion 78.00 (77.70 to 78.70): VU030334.D (-418) (-)





#15

Methyl Acetate

Concen: 52.893 ug/L

RT: 2.61 min Scan# 474

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

Instrument :

MSVOA_U

ClientSampleId :

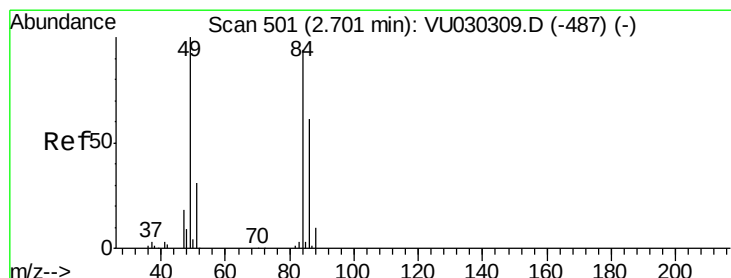
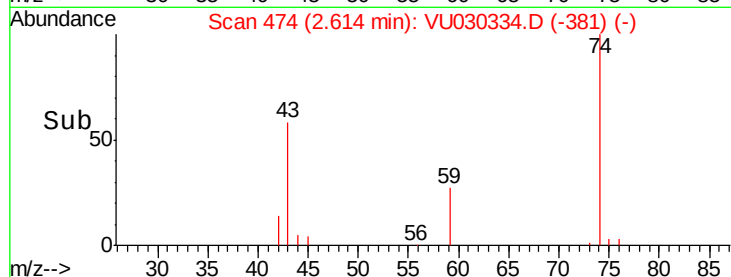
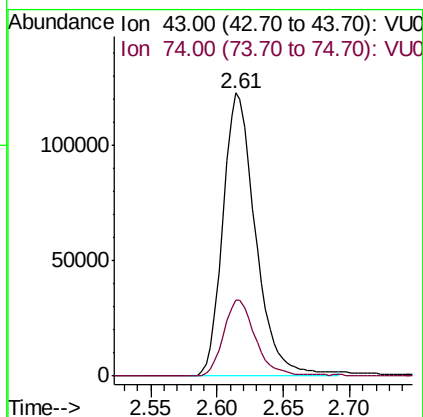
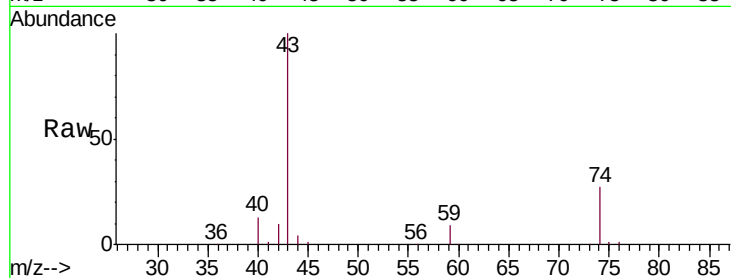
VSTD05055

Tgt Ion: 43 Resp: 210023

Ion Ratio Lower Upper

43 100

74 26.5 20.9 31.3



#16

Methylene chloride

Concen: 50.937 ug/L

RT: 2.70 min Scan# 501

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

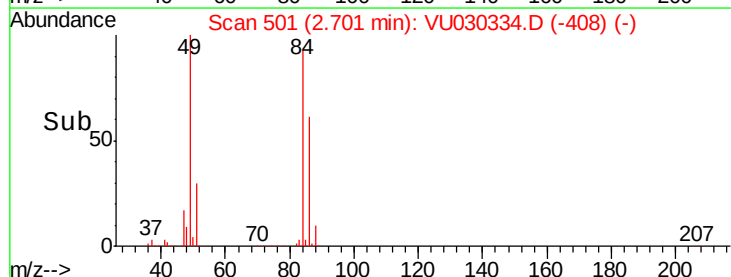
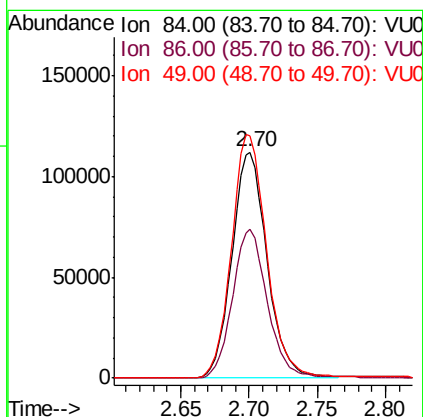
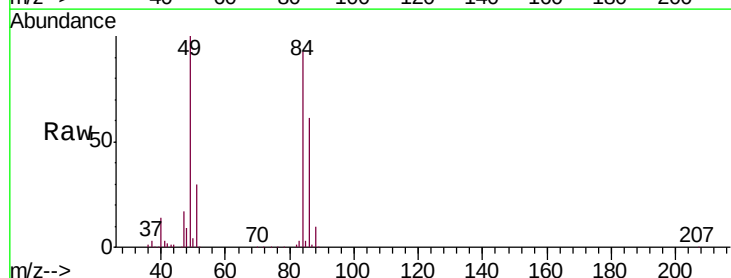
Tgt Ion: 84 Resp: 200767

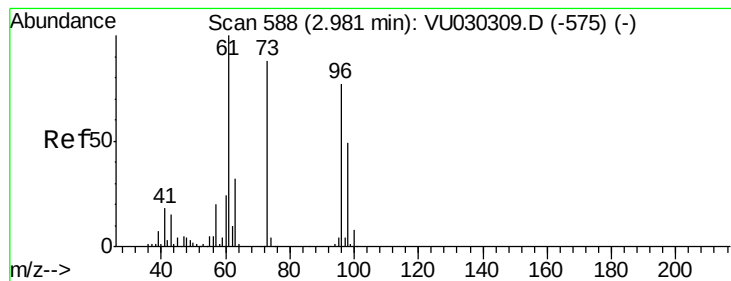
Ion Ratio Lower Upper

84 100

86 65.6 45.6 84.6

49 107.2 75.2 139.6





#17

trans-1,2-Dichloroethene

Concen: 49.870 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

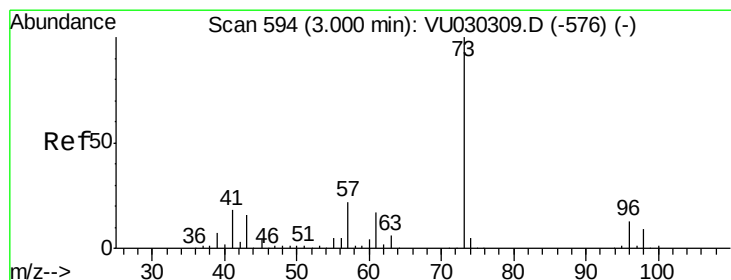
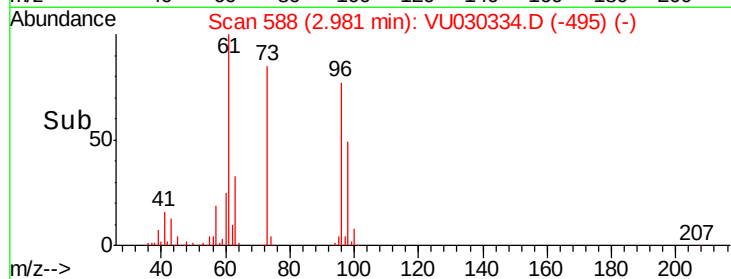
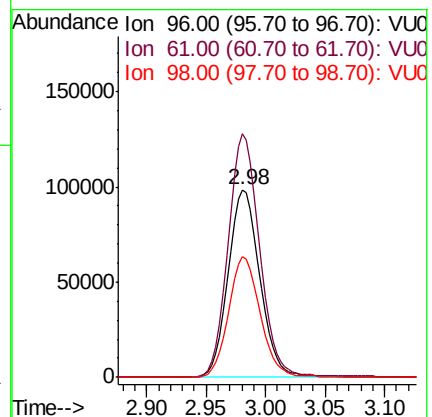
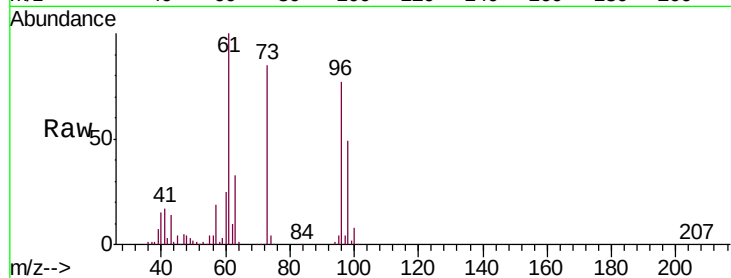
Tgt Ion: 96 Resp: 182646

Ion Ratio Lower Upper

96 100

61 129.6 90.9 168.9

98 64.0 45.6 84.6



#18

Methyl tert-butyl Ether

Concen: 52.385 ug/L

RT: 3.00 min Scan# 594

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

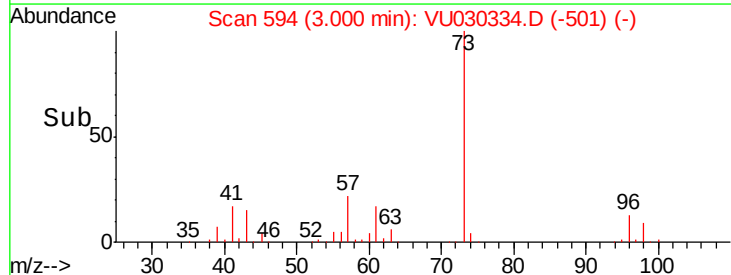
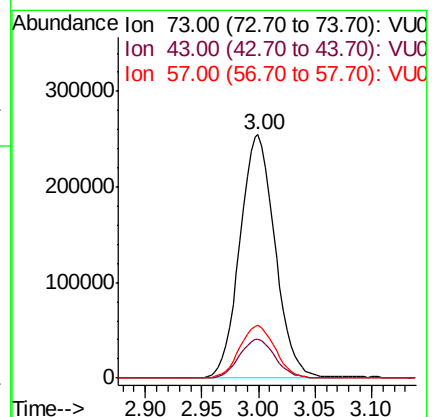
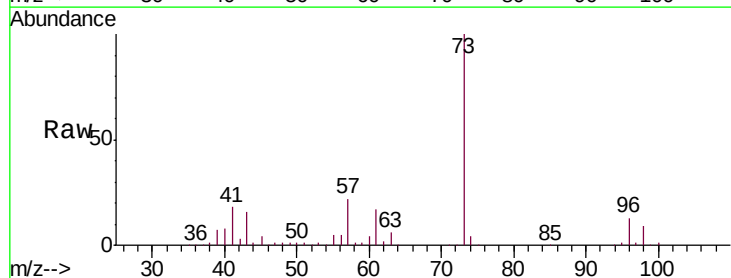
Tgt Ion: 73 Resp: 551892

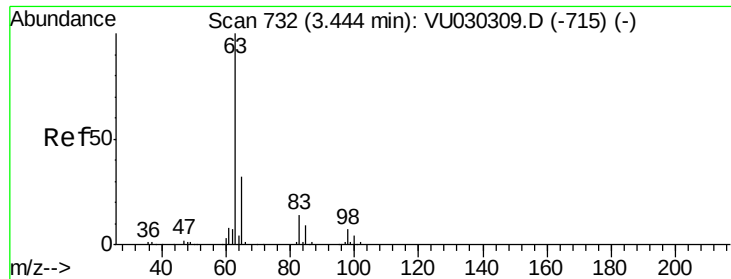
Ion Ratio Lower Upper

73 100

43 16.2 13.1 19.7

57 22.0 17.1 25.7

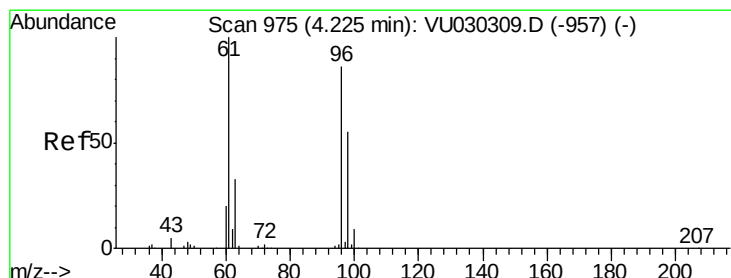
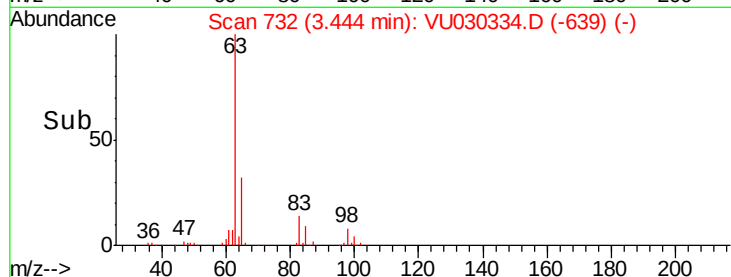
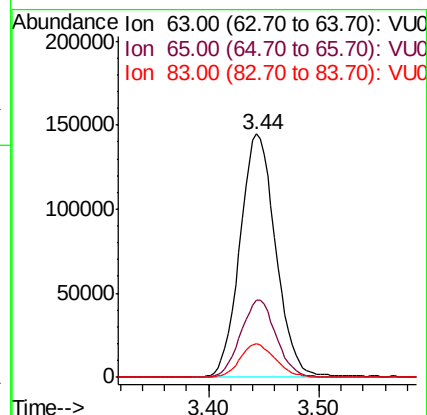
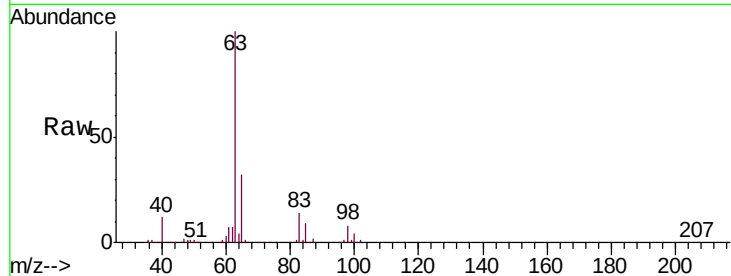




#19
 1,1-Dichloroethane
 Concen: 51.611 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VU030334.D
 Acq: 23 Mar 2019 01:35

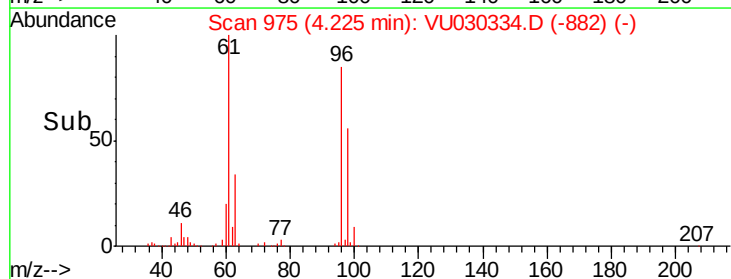
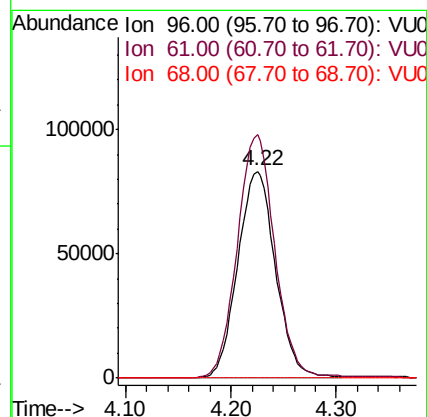
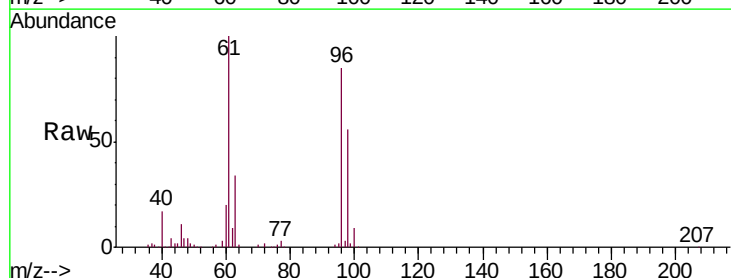
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

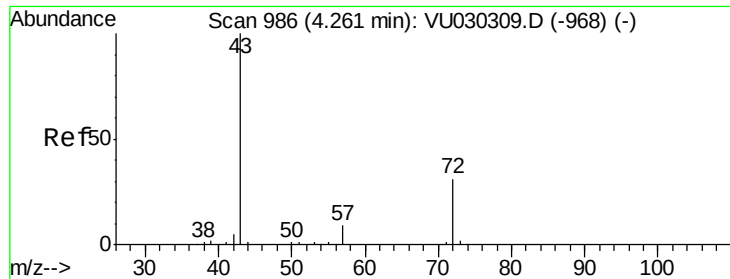
Tgt Ion: 63 Resp: 325124
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.8 40.4
 83 13.7 9.9 18.3



#20
 cis-1,2-Dichloroethene
 Concen: 51.681 ug/L
 RT: 4.22 min Scan# 975
 Delta R.T. -0.00 min
 Lab File: VU030334.D
 Acq: 23 Mar 2019 01:35

Tgt Ion: 96 Resp: 207378
 Ion Ratio Lower Upper
 96 100
 61 117.7 81.5 151.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 96.145 ug/L

RT: 4.26 min Scan# 986

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

Instrument :

MSVOA_U

ClientSampled :

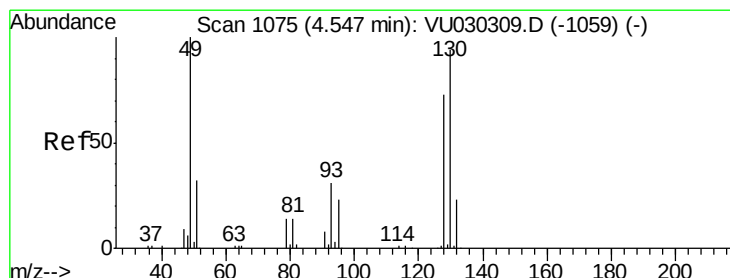
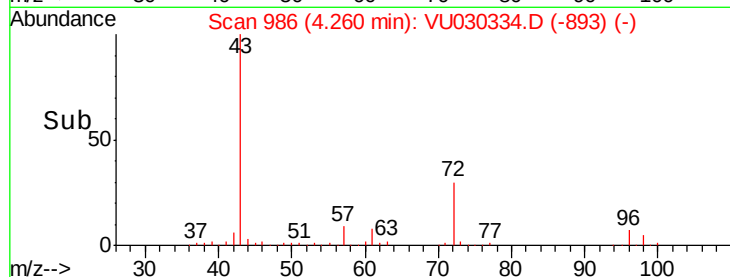
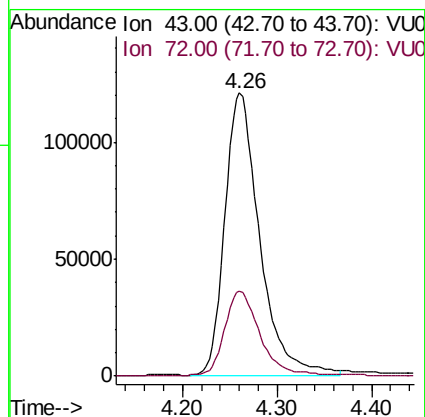
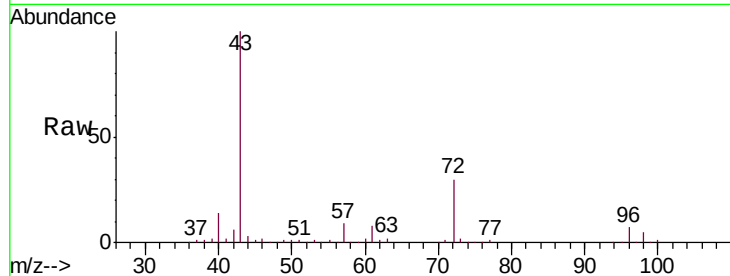
VSTD05055

Tgt Ion: 43 Resp: 308543

Ion Ratio Lower Upper

43 100

72 30.8 15.7 47.1



#23

Bromochloromethane

Concen: 50.079 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

Tgt Ion: 128 Resp: 107551

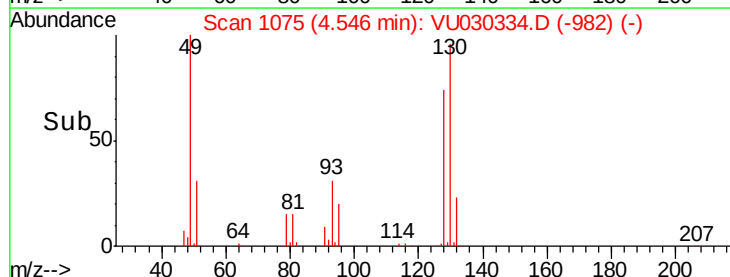
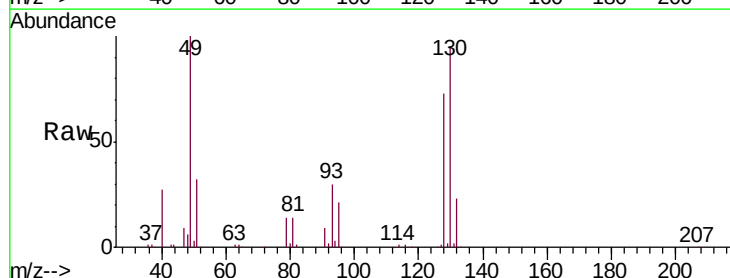
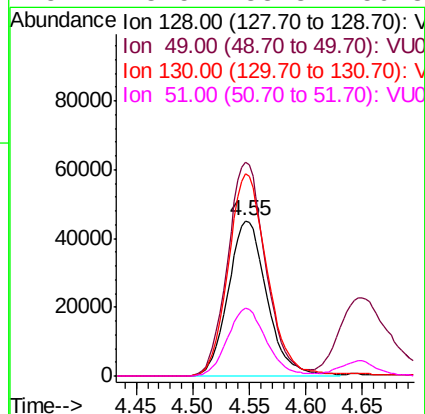
Ion Ratio Lower Upper

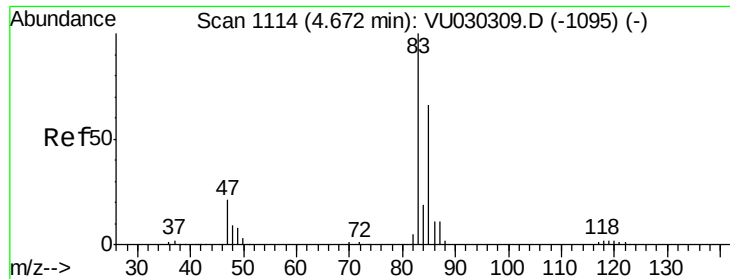
128 100

49 137.5 92.5 171.9

130 130.1 90.1 167.3

51 43.5 33.8 50.8

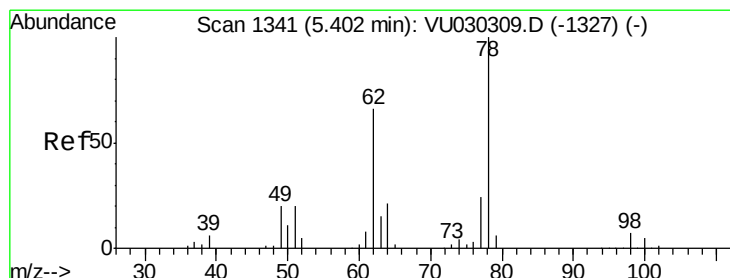
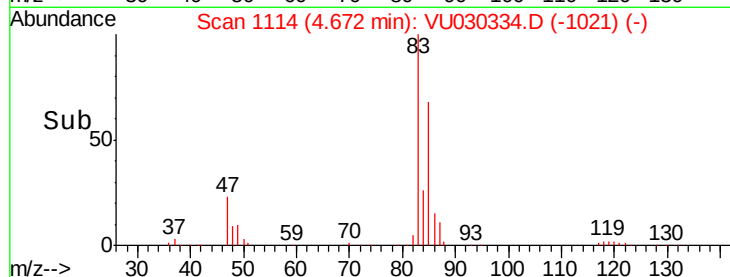
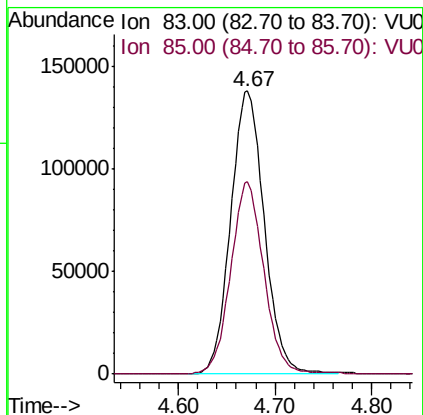
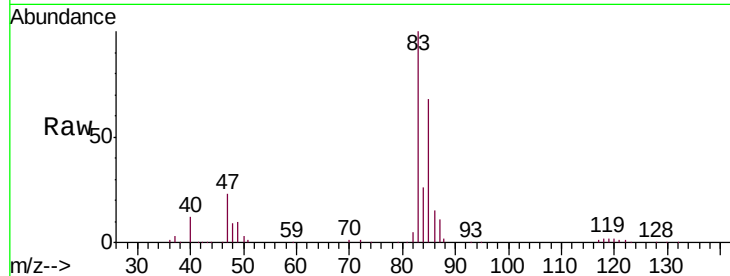




#25
Chloroform
Concen: 50.951 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VU030334.D
Acq: 23 Mar 2019 01:35

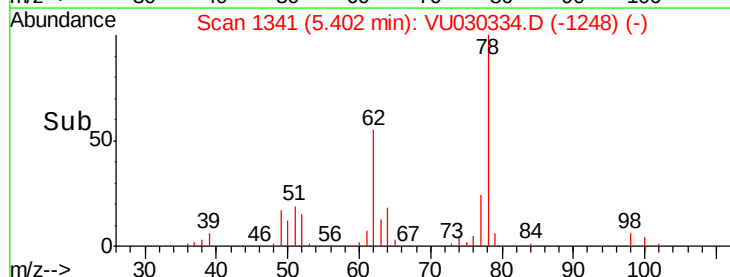
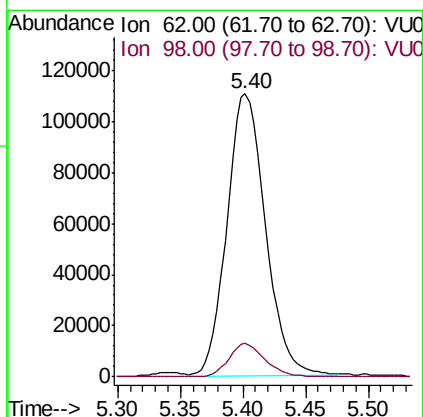
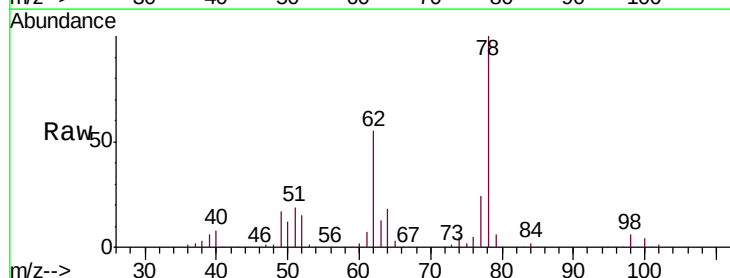
Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

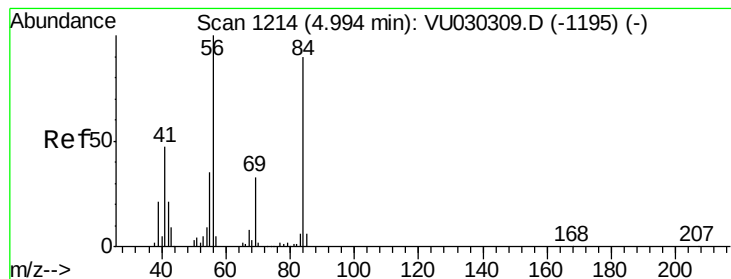
Tgt Ion: 83 Resp: 334384
Ion Ratio Lower Upper
83 100
85 67.9 45.8 85.2



#27
1,2-Dichloroethane
Concen: 50.458 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU030334.D
Acq: 23 Mar 2019 01:35

Tgt Ion: 62 Resp: 234716
Ion Ratio Lower Upper
62 100
98 11.7 8.6 12.8





#29

Cyclohexane

Concen: 50.665 ug/L

RT: 4.99 min Scan# 1214

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

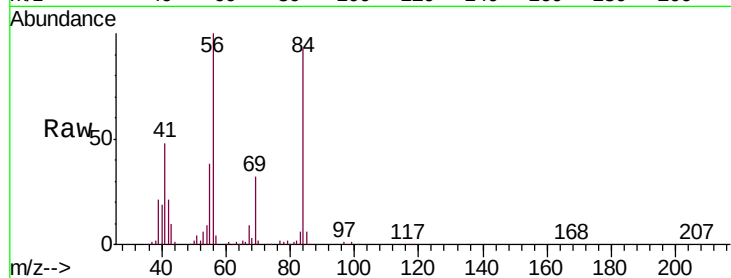
Tgt Ion: 56 Resp: 278211

Ion Ratio Lower Upper

56 100

69 31.7 25.4 38.2

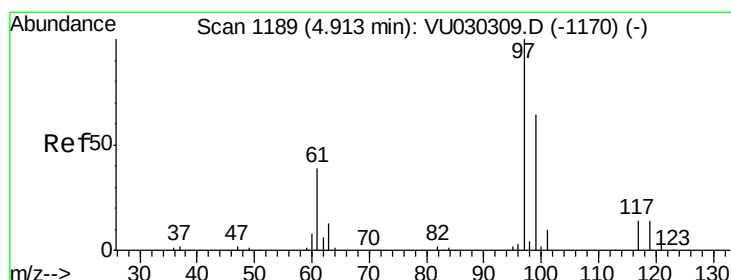
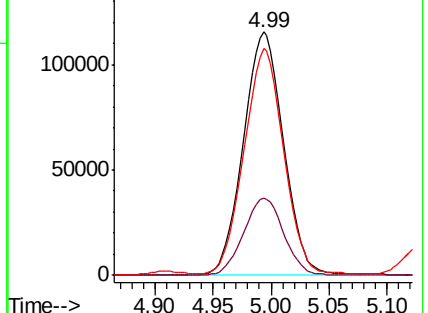
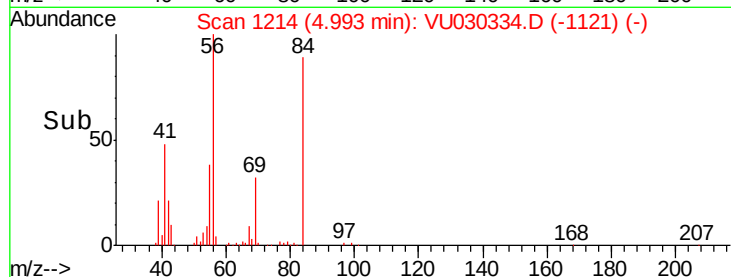
84 92.6 71.5 107.3



Abundance Ion 56.00 (55.70 to 56.70): VU030334.D (-1121) (-)

Ion 69.00 (68.70 to 69.70): VU030334.D (-1121) (-)

Ion 84.00 (83.70 to 84.70): VU030334.D (-1121) (-)



#30

1,1,1-Trichloroethane

Concen: 51.565 ug/L

RT: 4.91 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

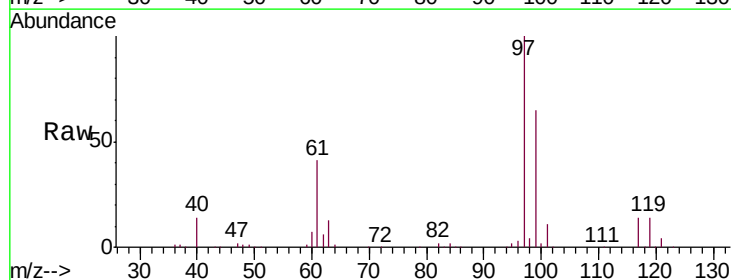
Tgt Ion: 97 Resp: 280853

Ion Ratio Lower Upper

97 100

99 64.4 51.8 77.6

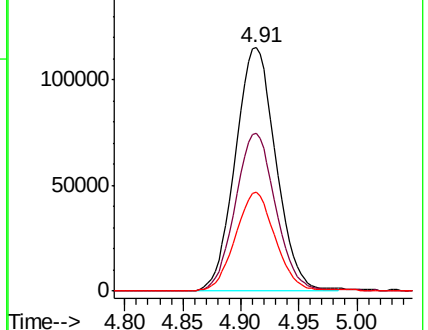
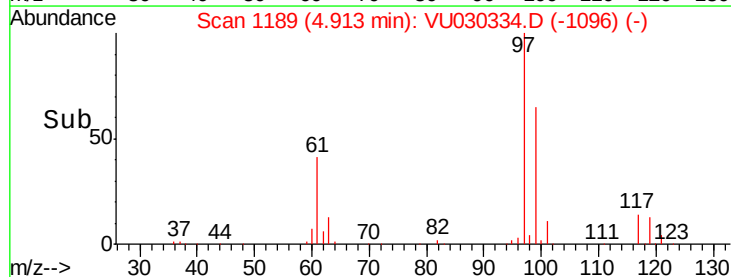
61 40.0 32.7 49.1

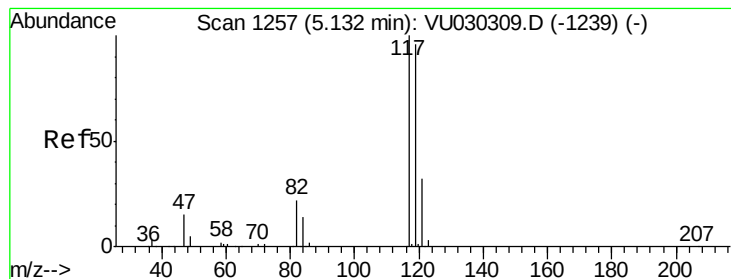


Abundance Ion 97.00 (96.70 to 97.70): VU030334.D (-1096) (-)

Ion 99.00 (98.70 to 99.70): VU030334.D (-1096) (-)

Ion 61.05 (60.75 to 61.75): VU030334.D (-1096) (-)





#31

Carbon tetrachloride

Concen: 51.099 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

Instrument :

MSVOA_U

ClientSampleId :

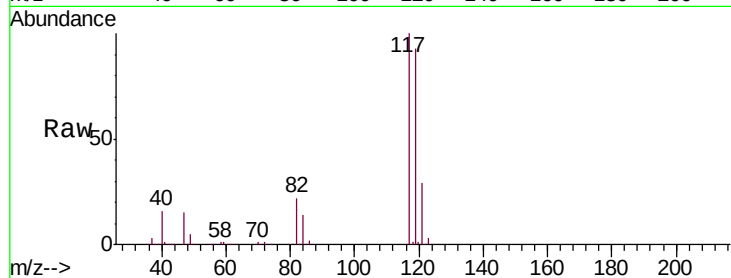
VSTD05055

Tgt Ion:117 Resp: 246390

Ion Ratio Lower Upper

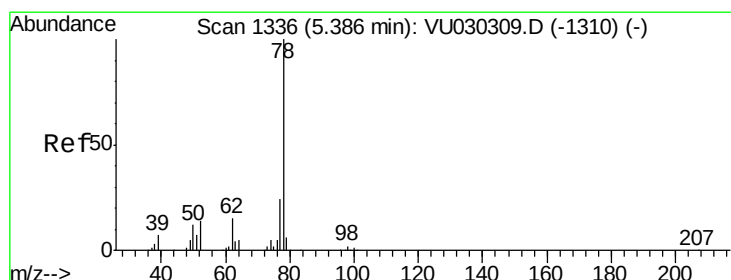
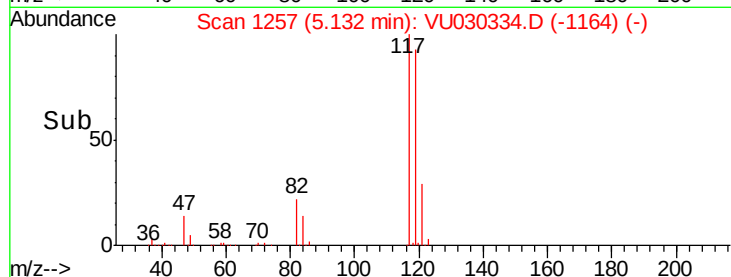
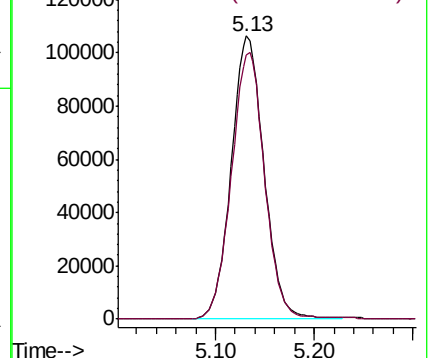
117 100

119 95.2 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 53.005 ug/L

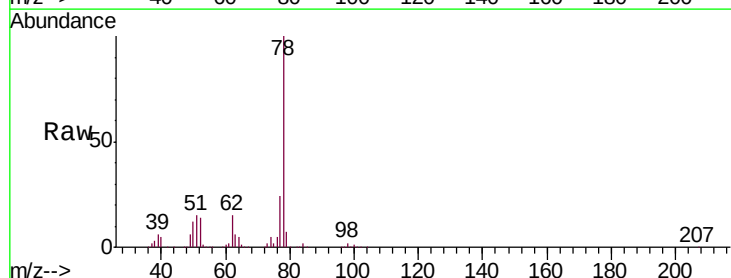
RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

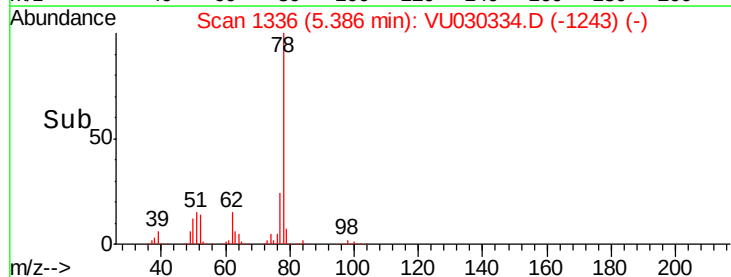
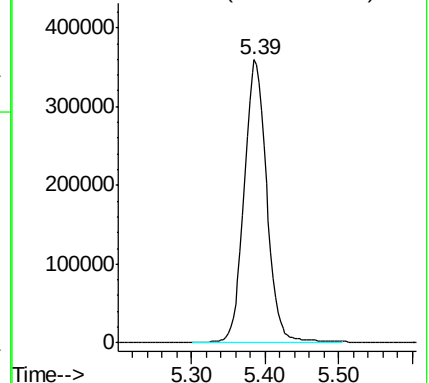
Lab File: VU030334.D

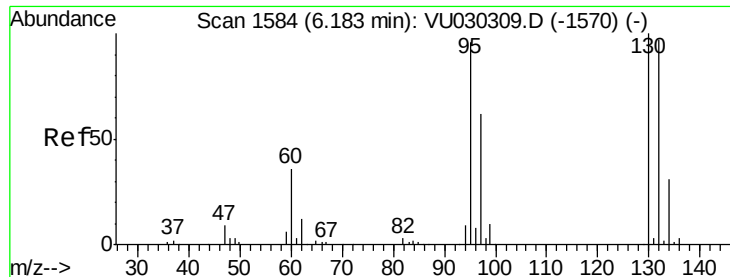
Acq: 23 Mar 2019 01:35

Tgt Ion: 78 Resp: 772862



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.810 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

Tgt Ion: 95 Resp: 195272

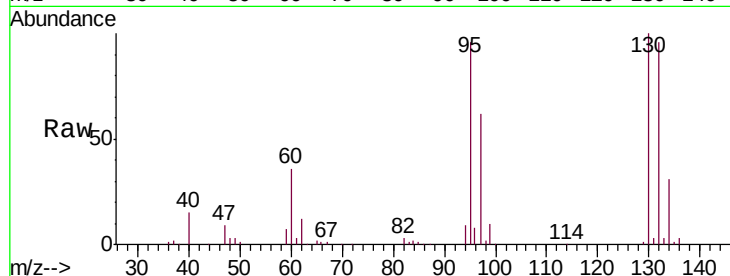
Ion Ratio Lower Upper

95 100

97 65.0 46.2 85.8

132 99.8 69.3 128.7

130 104.5 73.6 136.6

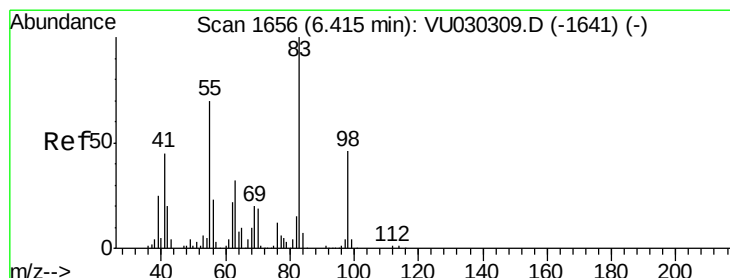
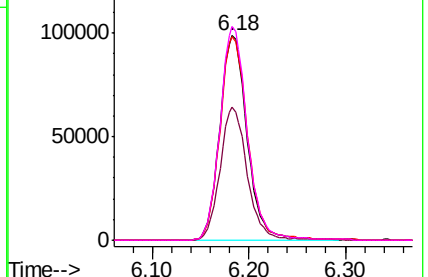
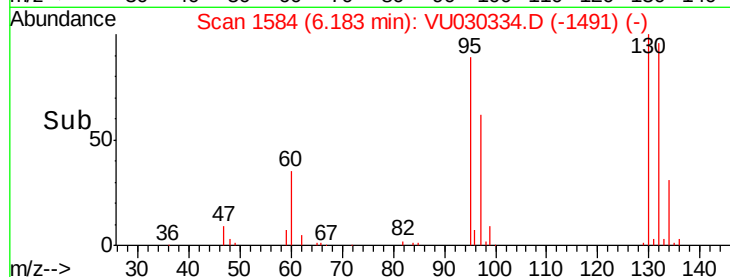


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 48.534 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

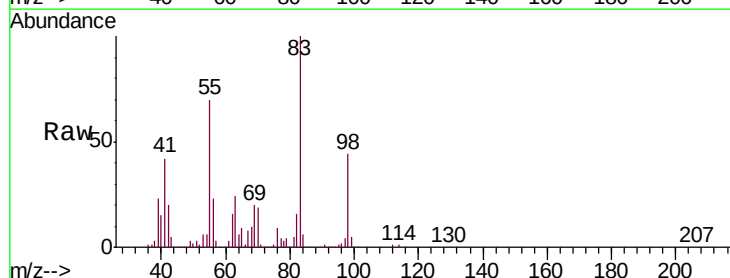
Tgt Ion: 83 Resp: 292484

Ion Ratio Lower Upper

83 100

55 72.3 56.6 85.0

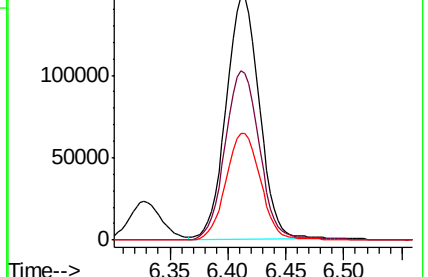
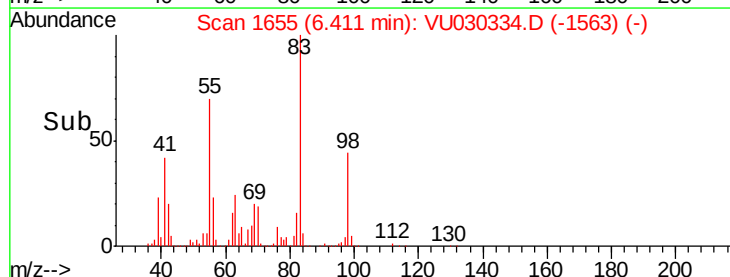
98 46.2 37.0 55.4

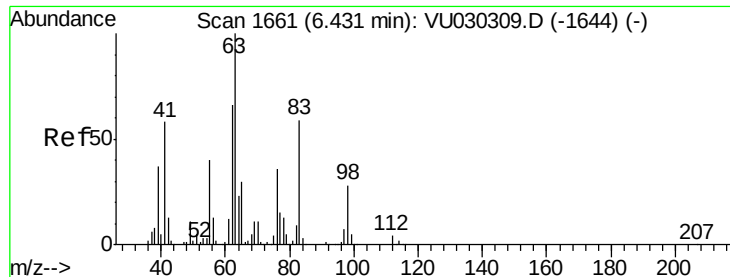


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

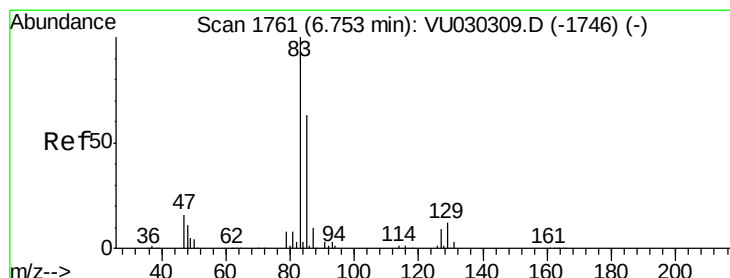
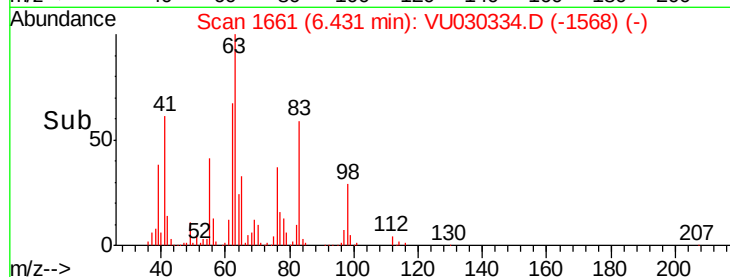
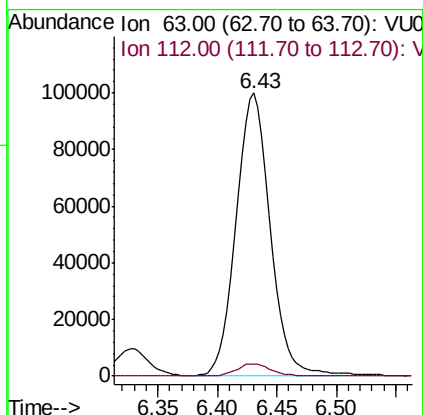
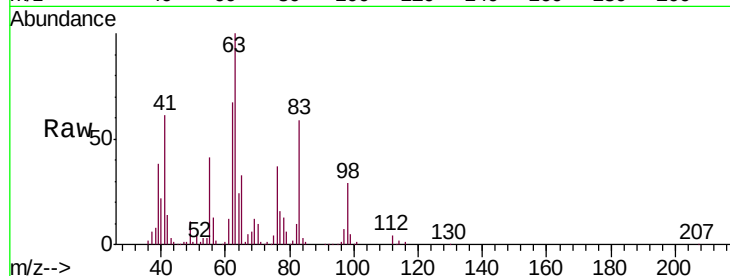




#37
 1,2-Dichloropropane
 Concen: 52.715 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VU030334.D
 Acq: 23 Mar 2019 01:35

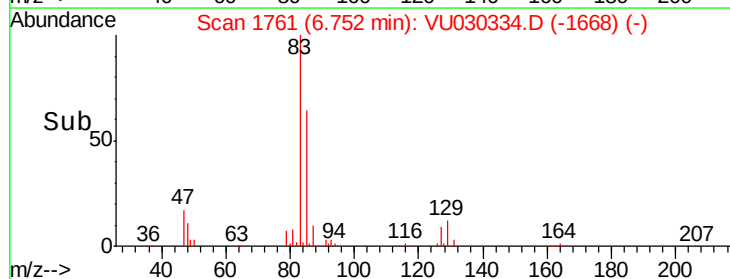
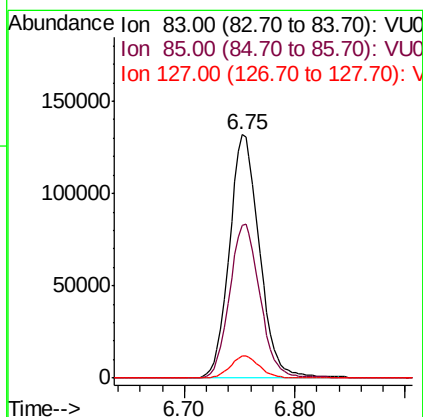
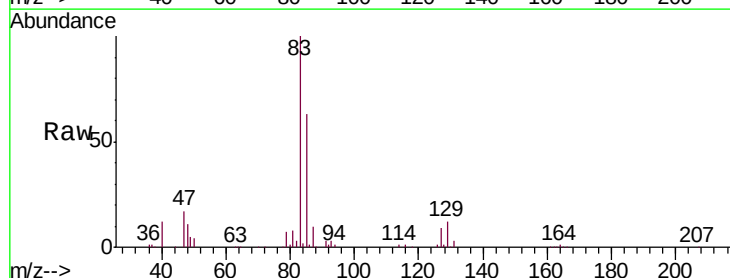
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

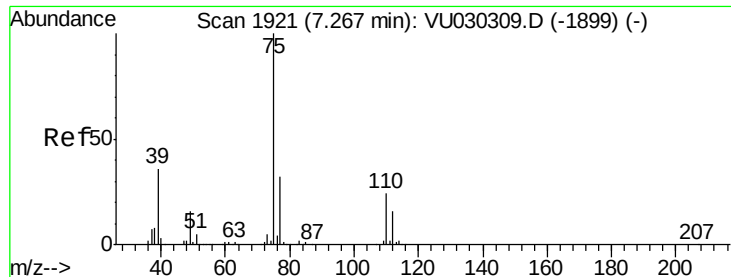
Tgt Ion: 63 Resp: 196854
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.3 4.9



#38
 Bromodichloromethane
 Concen: 51.773 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU030334.D
 Acq: 23 Mar 2019 01:35

Tgt Ion: 83 Resp: 248580
 Ion Ratio Lower Upper
 83 100
 85 62.6 45.8 85.2
 127 9.0 7.4 11.0

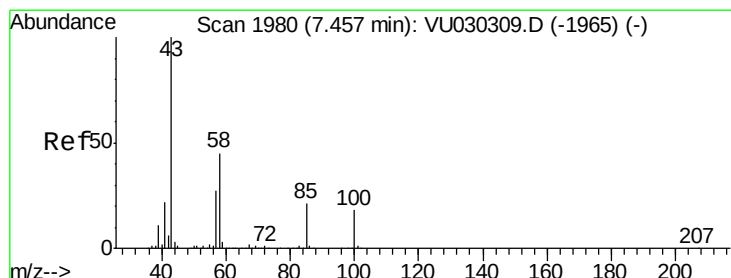
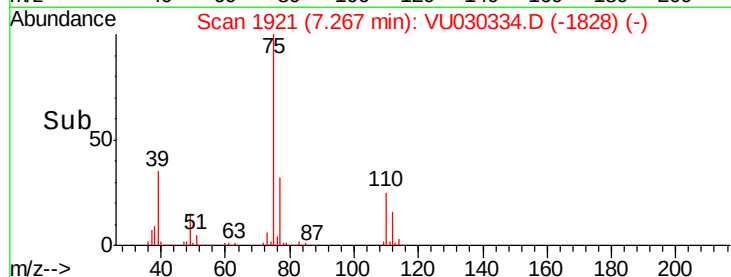
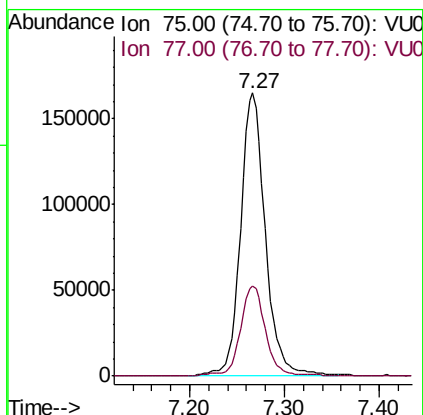
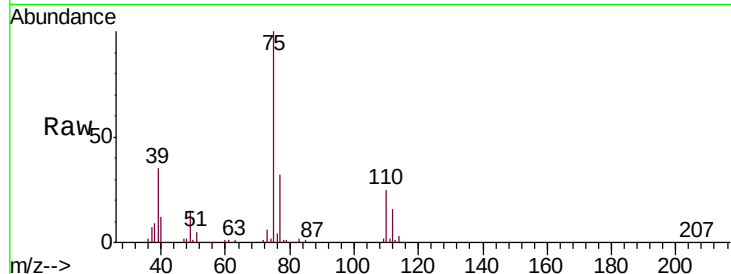




#39
 cis-1,3-Dichloropropene
 Concen: 50.216 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU030334.D
 Acq: 23 Mar 2019 01:35

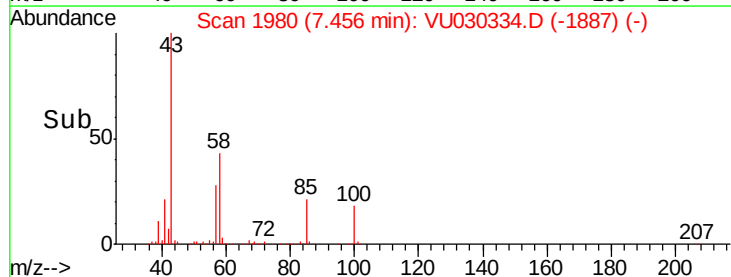
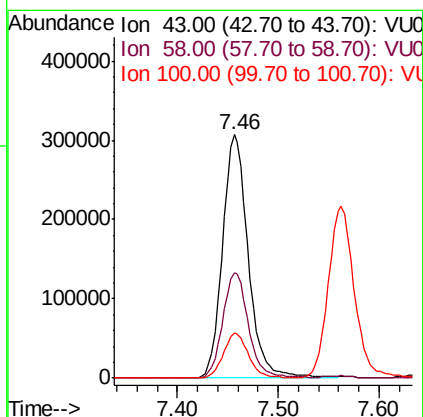
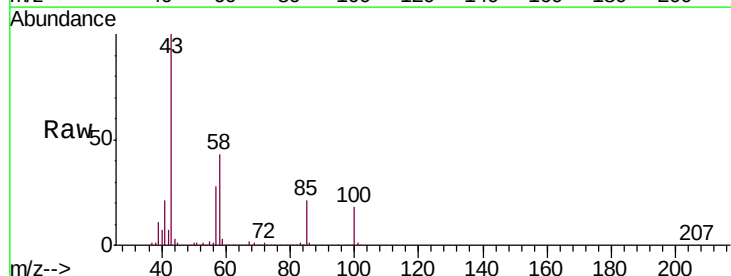
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

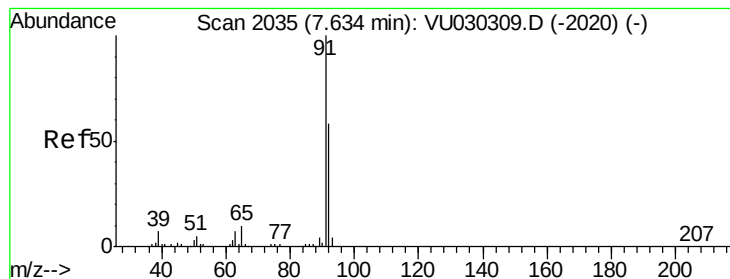
Tgt Ion: 75 Resp: 300862
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 106.943 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU030334.D
 Acq: 23 Mar 2019 01:35

Tgt Ion: 43 Resp: 548859
 Ion Ratio Lower Upper
 43 100
 58 43.3 34.4 51.6
 100 18.1 13.9 20.9





#42

Toluene

Concen: 52.991 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

Instrument :

MSVOA_U

ClientSampleId :

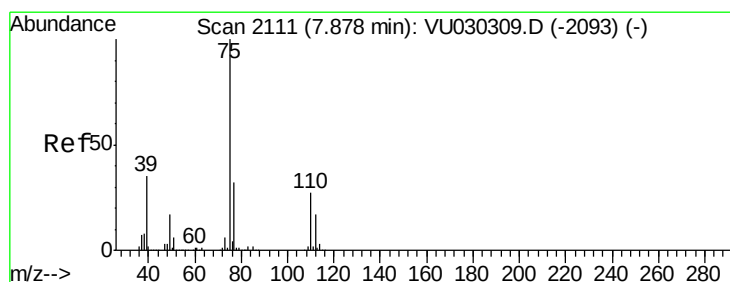
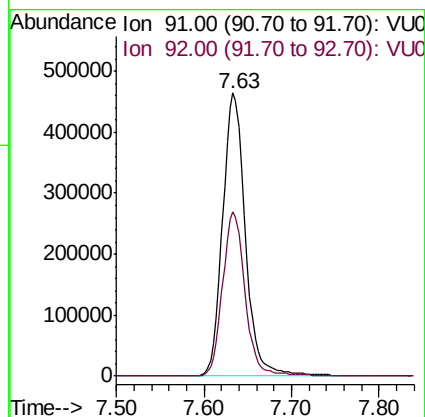
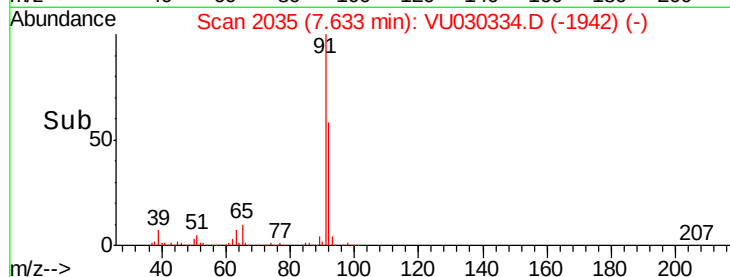
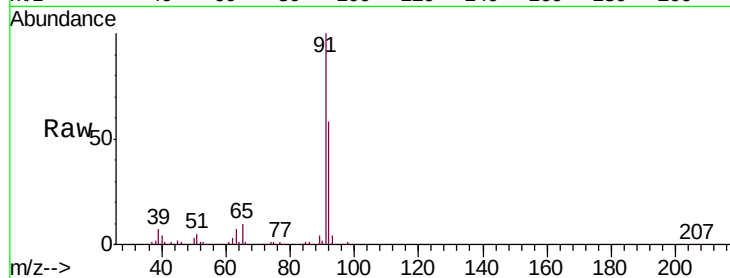
VSTD05055

Tgt Ion: 91 Resp: 841001

Ion Ratio Lower Upper

91 100

92 58.0 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 50.521 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU030334.D

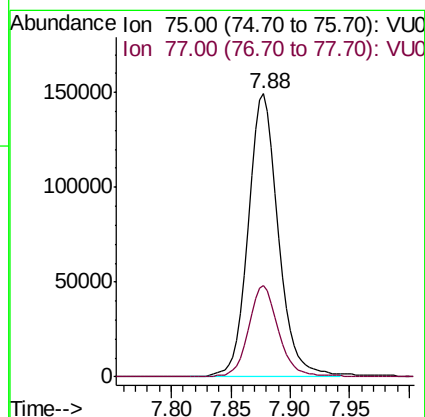
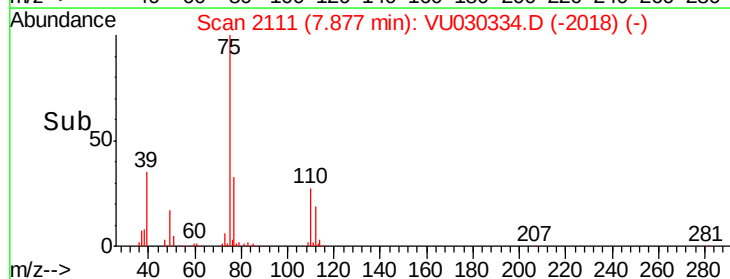
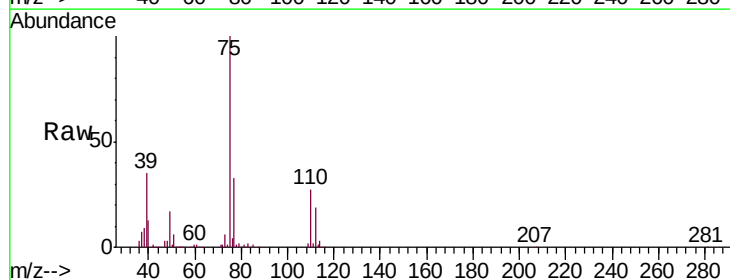
Acq: 23 Mar 2019 01:35

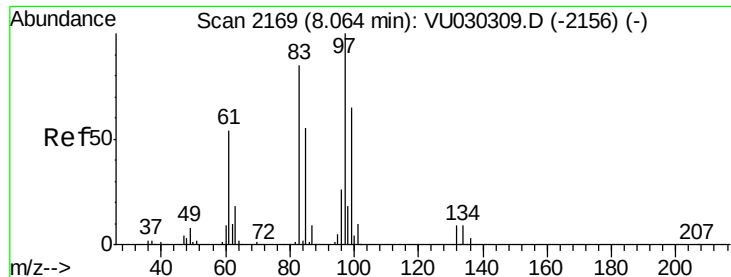
Tgt Ion: 75 Resp: 261923

Ion Ratio Lower Upper

75 100

77 32.5 22.7 42.1

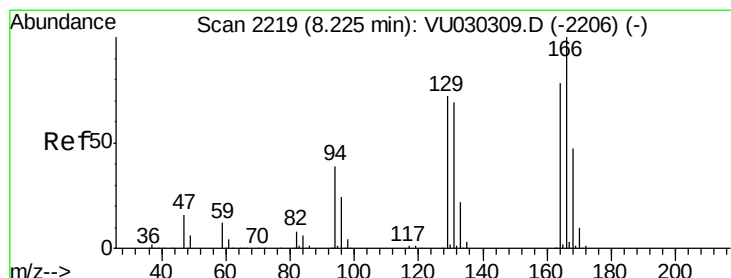
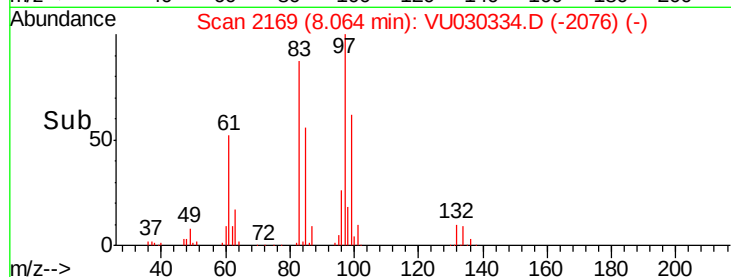
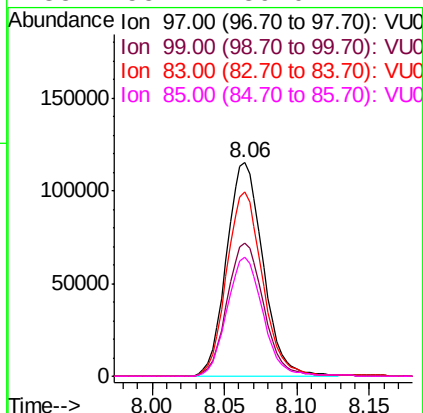
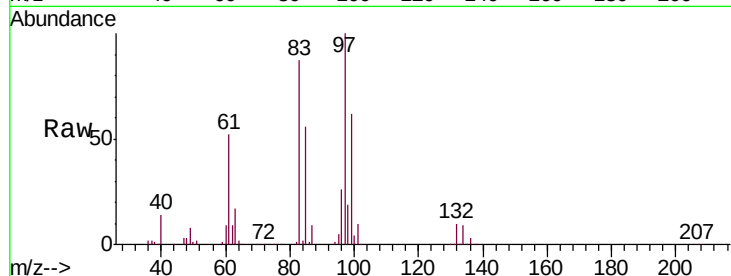




#45
 1,1,2-Trichloroethane
 Concen: 52.550 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU030334.D
 Acq: 23 Mar 2019 01:35

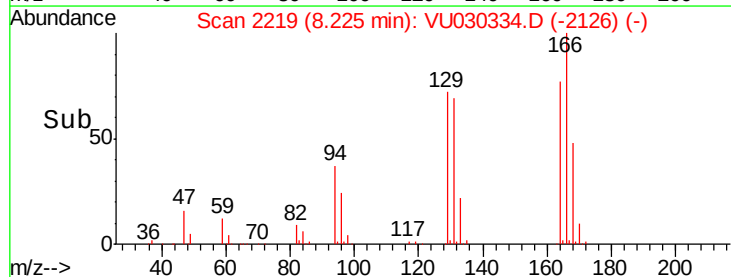
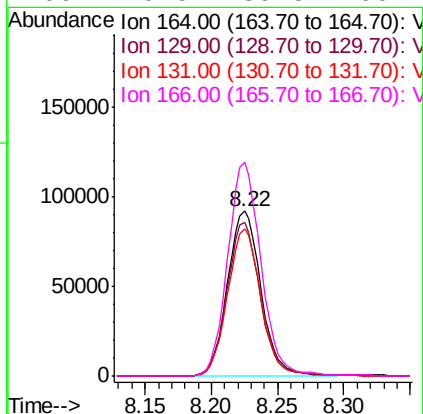
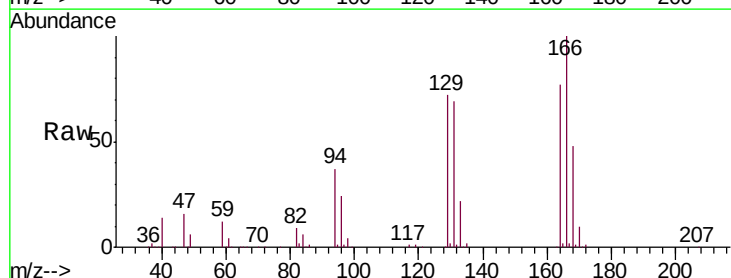
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

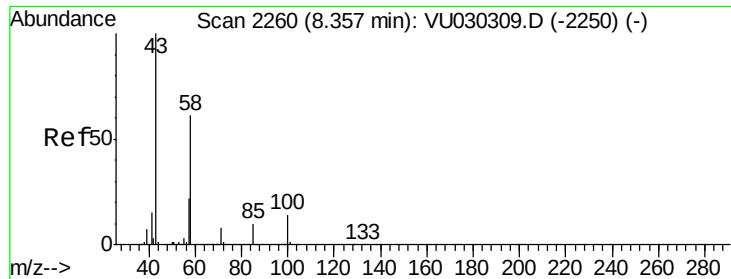
Tgt Ion:	97	Resp:	201437
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.3	80.5
83	86.6	59.3	110.1
85	55.7	39.0	72.4



#46
 Tetrachloroethene
 Concen: 49.808 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU030334.D
 Acq: 23 Mar 2019 01:35

Tgt Ion:	164	Resp:	161732
Ion	Ratio	Lower	Upper
164	100		
129	93.1	64.4	119.6
131	89.1	63.2	117.4
166	129.5	89.5	166.1

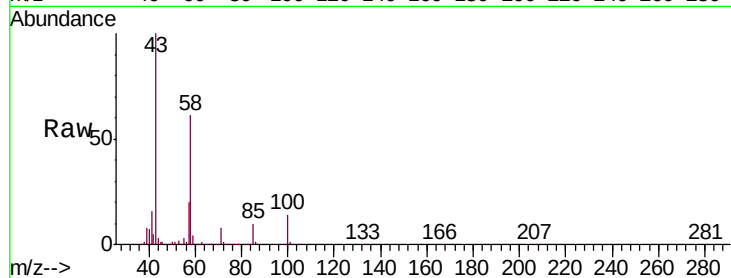




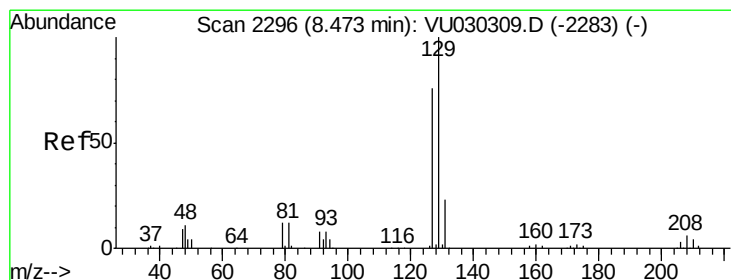
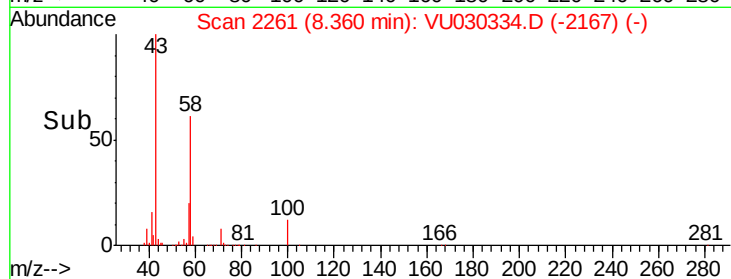
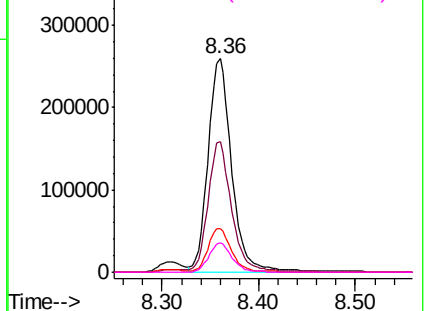
#48
2-Hexanone
Concen: 103.642 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU030334.D
Acq: 23 Mar 2019 01:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

Tgt Ion: 43 Resp: 441483
Ion Ratio Lower Upper
43 100
58 59.8 49.3 73.9
57 20.5 17.0 25.4
100 13.3 11.0 16.4

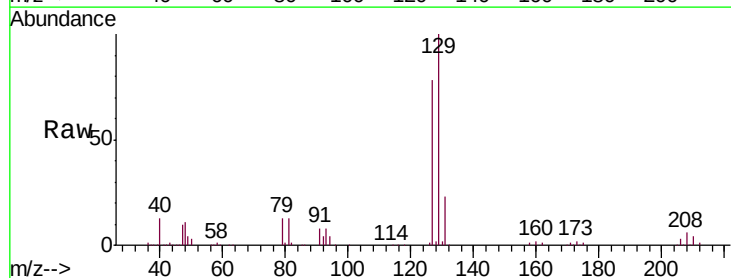


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

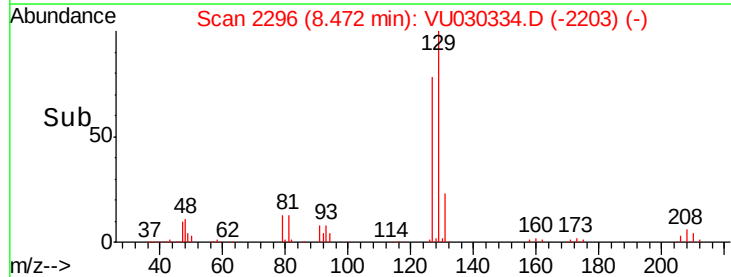
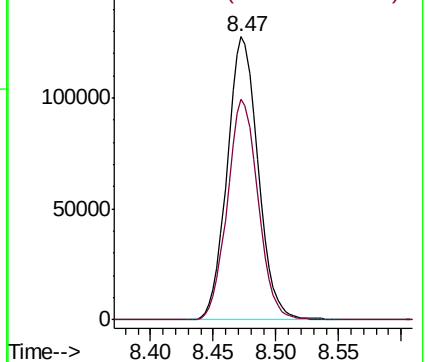


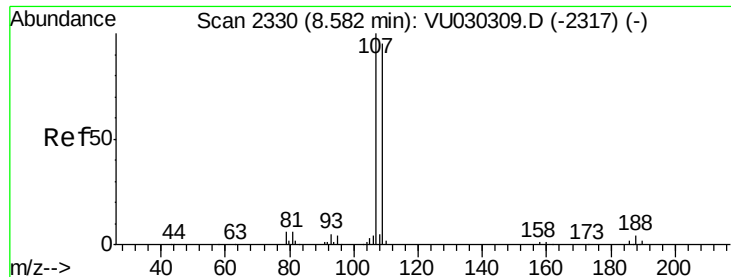
#49
Dibromochloromethane
Concen: 50.997 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU030334.D
Acq: 23 Mar 2019 01:35

Tgt Ion: 129 Resp: 219209
Ion Ratio Lower Upper
129 100
127 77.9 53.4 99.2



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





#50

1,2-Dibromoethane

Concen: 51.939 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

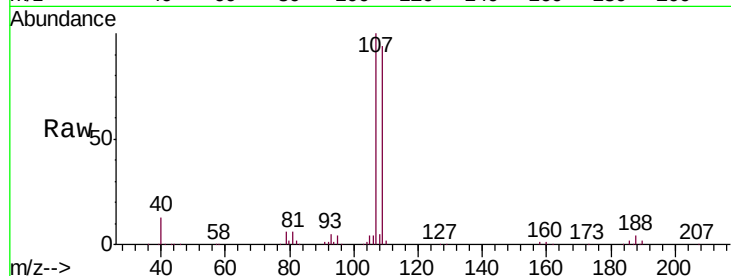
Tgt Ion:107 Resp: 220732

Ion Ratio Lower Upper

107 100

109 94.2 65.4 121.4

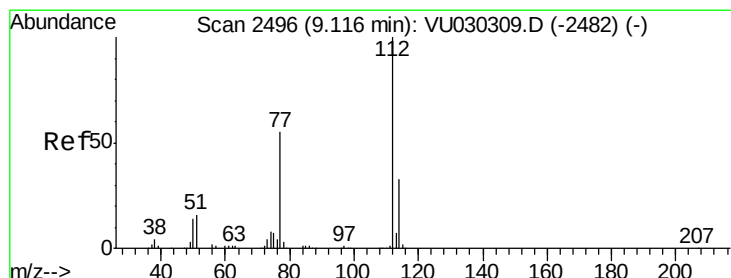
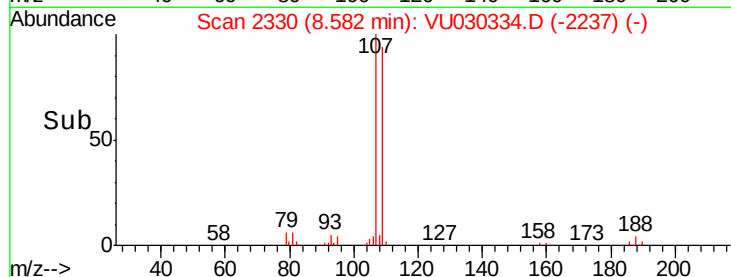
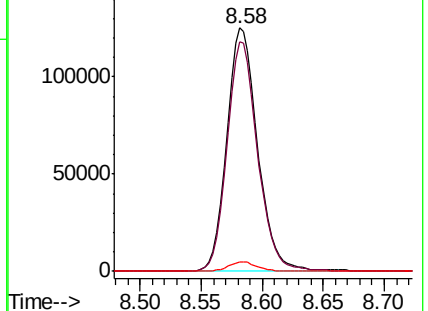
188 3.8 2.7 4.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 51.636 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

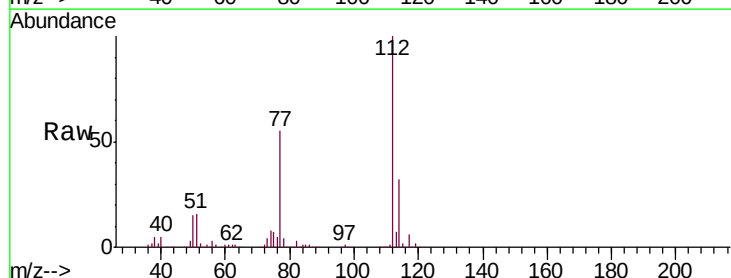
Tgt Ion:112 Resp: 542166

Ion Ratio Lower Upper

112 100

114 32.4 22.5 41.7

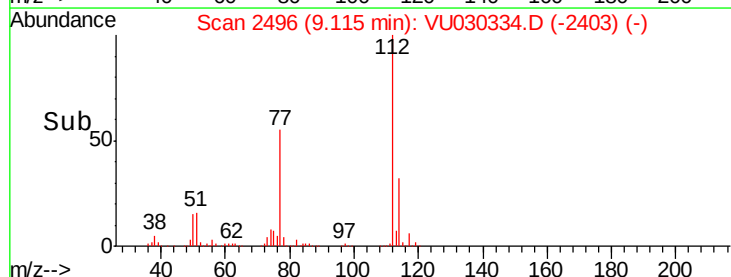
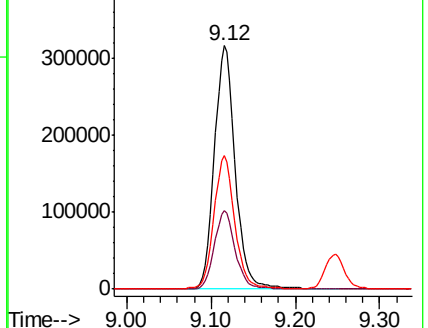
77 55.1 43.4 65.0

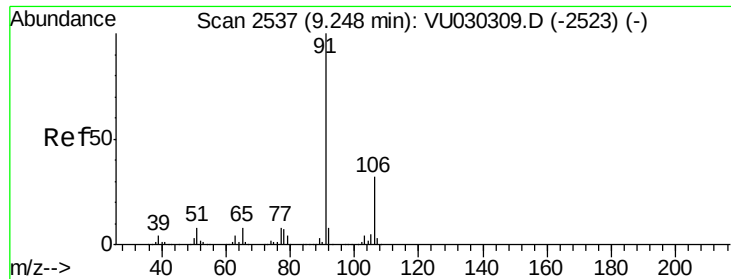


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 52.045 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

Instrument :

MSVOA_U

ClientSampleId :

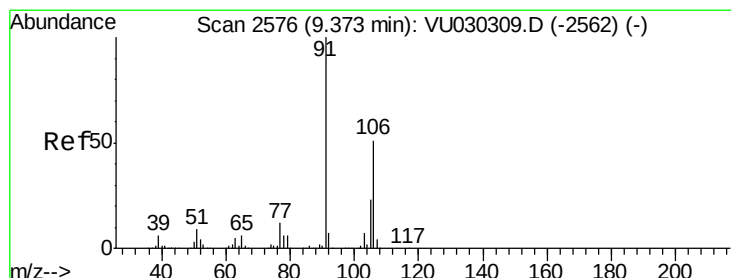
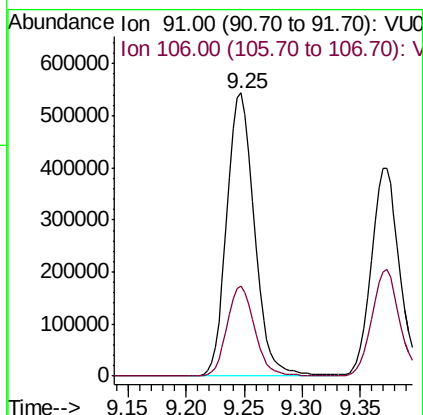
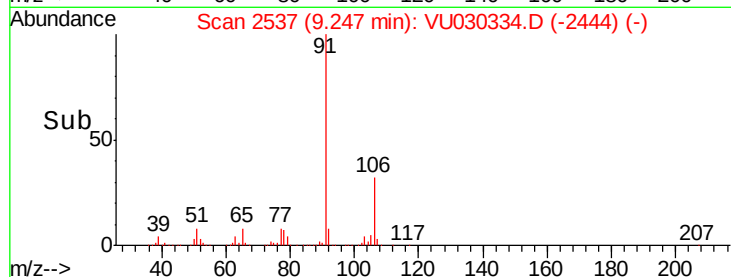
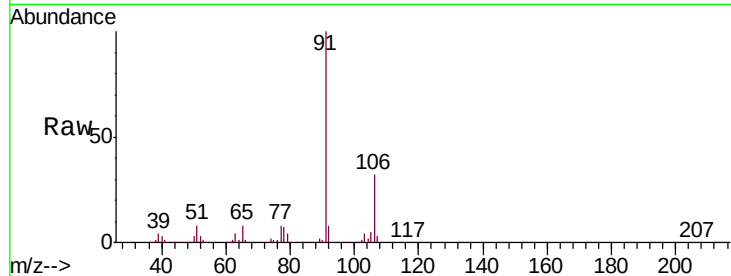
VSTD05055

Tgt Ion: 91 Resp: 897010

Ion Ratio Lower Upper

91 100

106 31.6 22.5 41.7



#53

m,p-Xylene

Concen: 52.025 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU030334.D

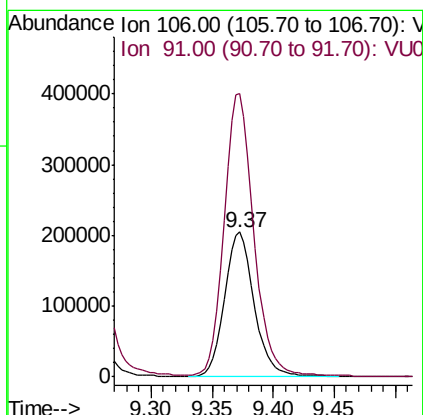
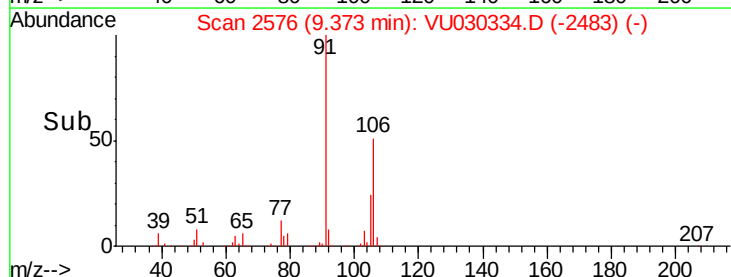
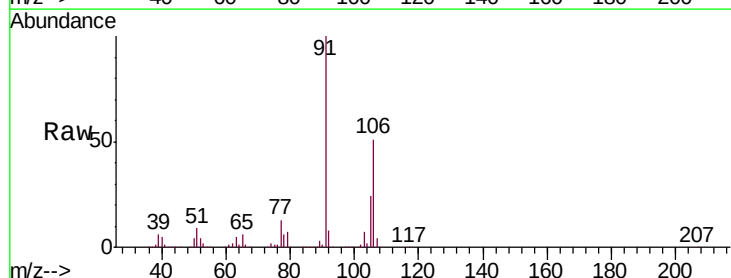
Acq: 23 Mar 2019 01:35

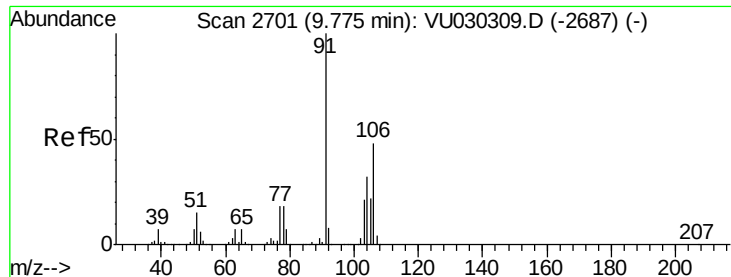
Tgt Ion: 106 Resp: 345460

Ion Ratio Lower Upper

106 100

91 195.9 138.2 256.6





#54

o-xylene

Concen: 52.703 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

Instrument :

MSVOA_U

ClientSampleId :

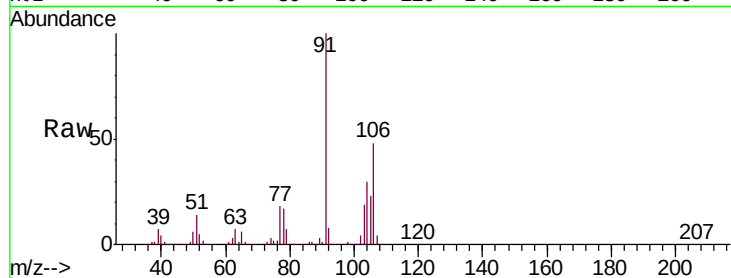
VSTD05055

Tgt Ion:106 Resp: 344020

Ion Ratio Lower Upper

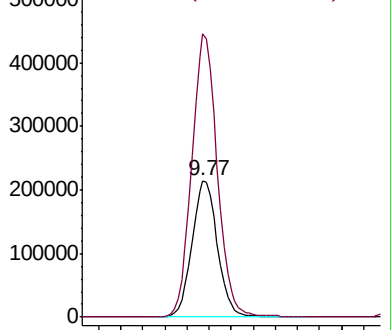
106 100

91 206.9 145.5 270.3

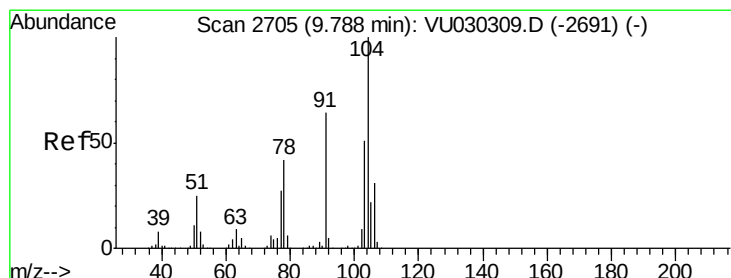
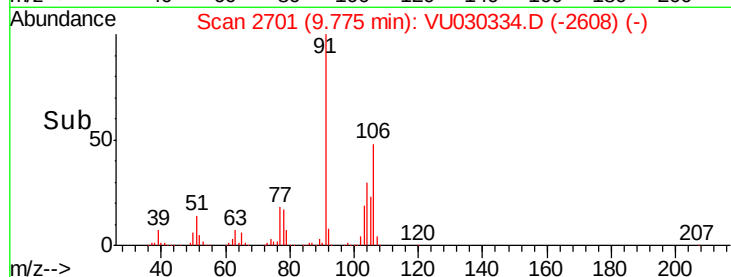


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#55

Styrene

Concen: 53.294 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU030334.D

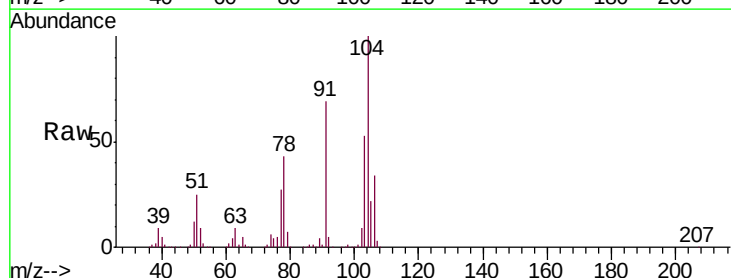
Acq: 23 Mar 2019 01:35

Tgt Ion:104 Resp: 589412

Ion Ratio Lower Upper

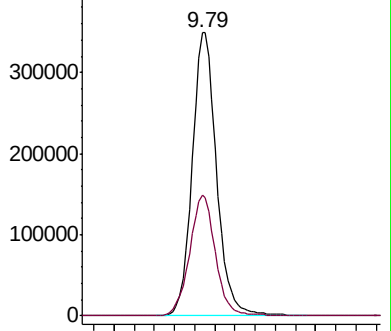
104 100

78 42.9 29.8 55.4

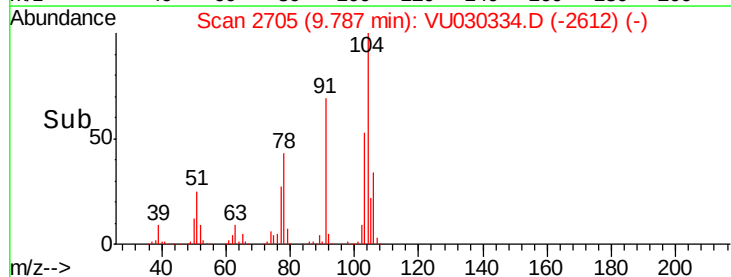


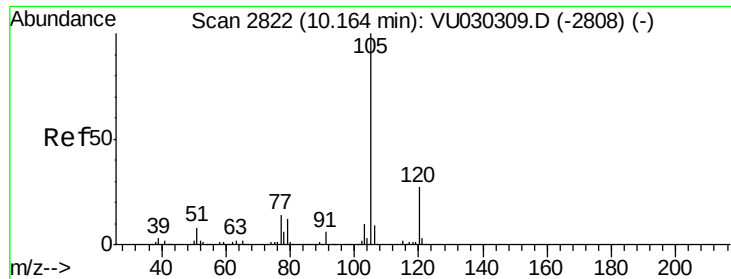
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



Time-->

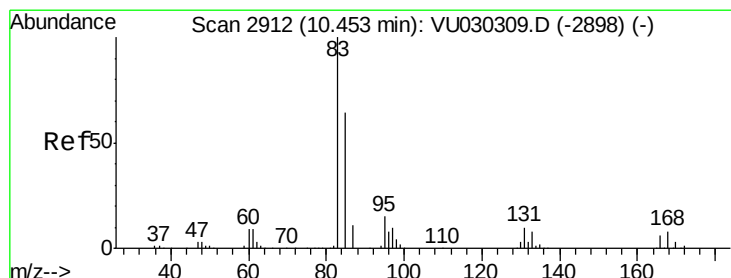
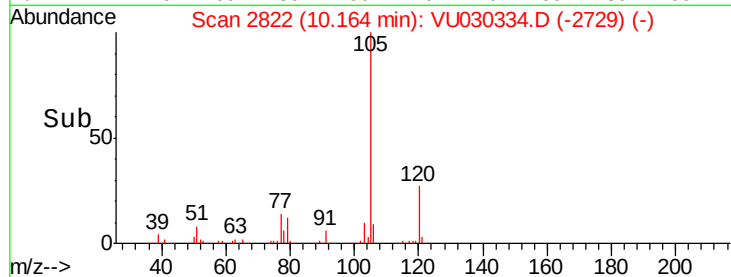
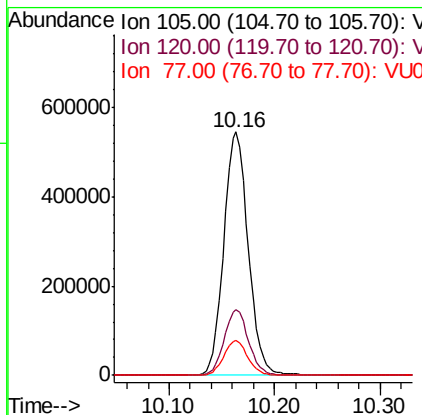
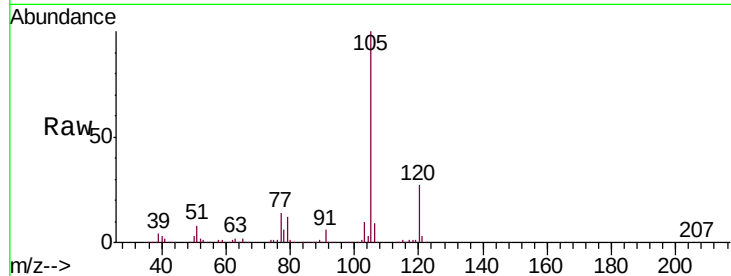




#56
Isopropylbenzene
Concen: 51.734 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. -0.00 min
Lab File: VU030334.D
Acq: 23 Mar 2019 01:35

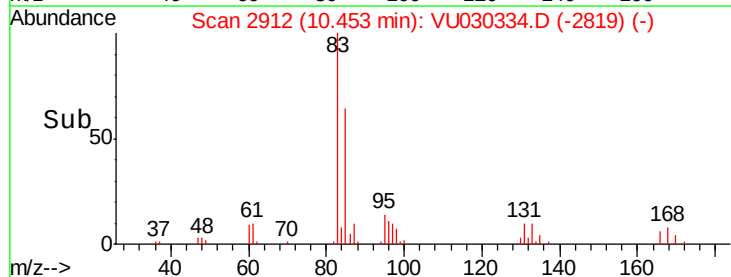
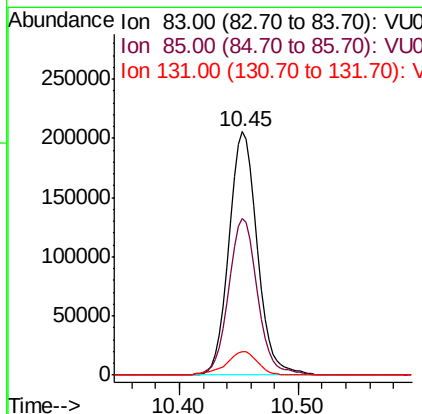
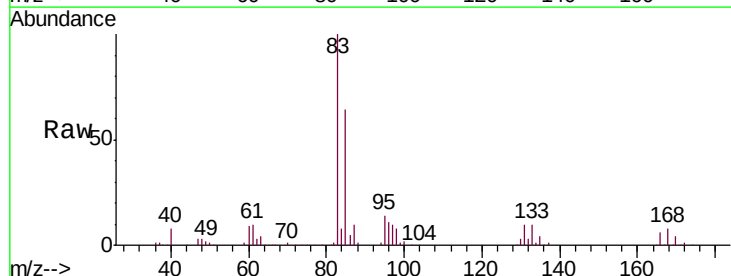
Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

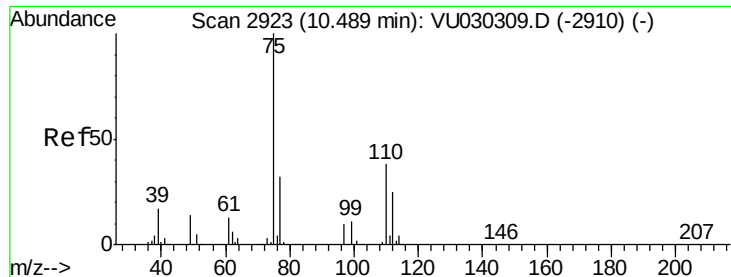
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	21.8	32.8
77	14.1	11.3	16.9



#58
1,1,2,2-Tetrachloroethane
Concen: 51.933 ug/L
RT: 10.45 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VU030334.D
Acq: 23 Mar 2019 01:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	45.7	84.9
131	9.6	7.8	11.6

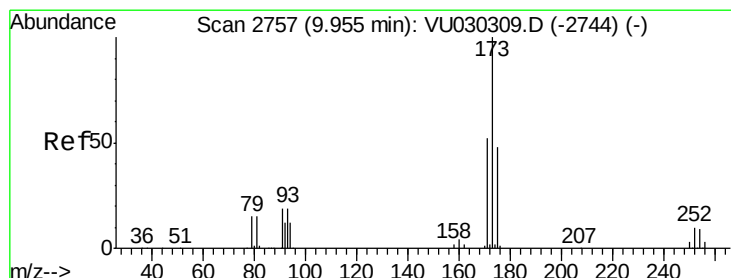
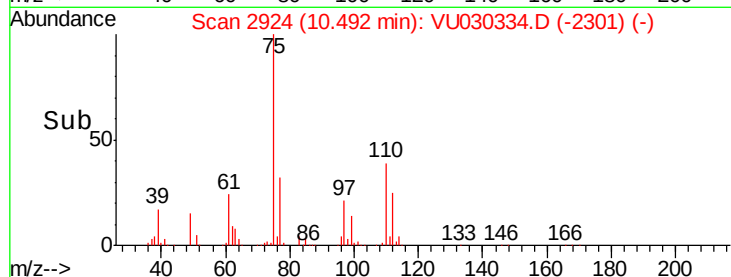
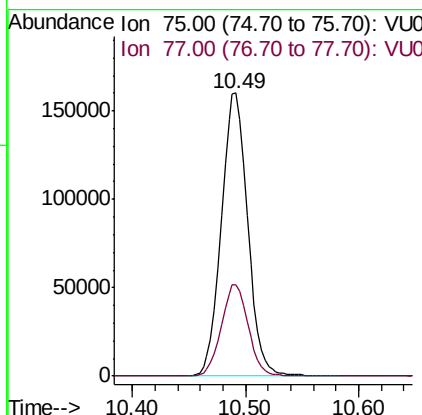
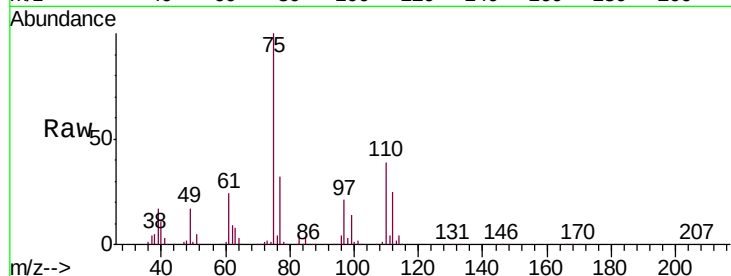




#59
 1,2,3-Trichloropropane
 Concen: 51.439 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU030334.D
 Acq: 23 Mar 2019 01:35

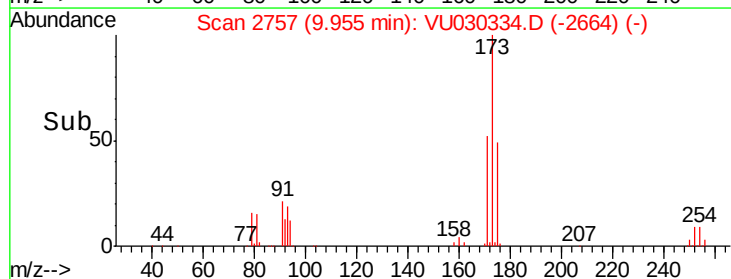
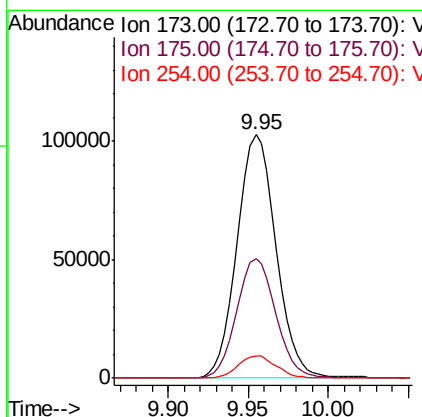
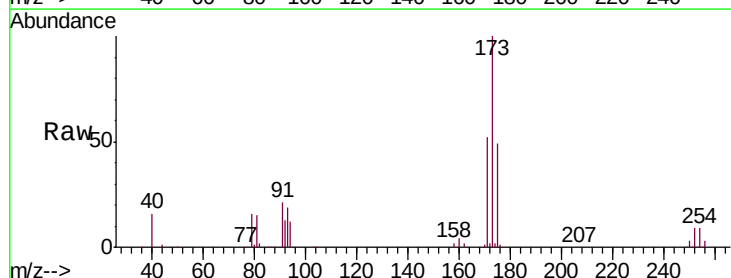
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

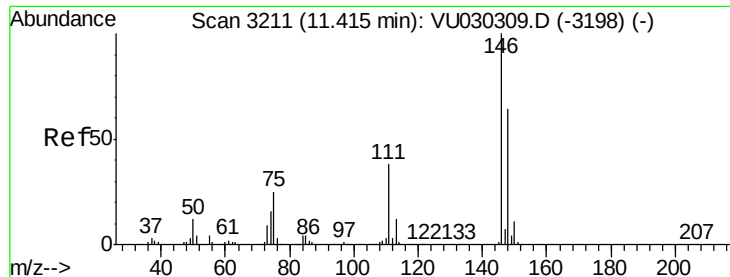
Tgt Ion: 75 Resp: 259617
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.8 38.8



#61
 Bromoform
 Concen: 50.832 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU030334.D
 Acq: 23 Mar 2019 01:35

Tgt Ion: 173 Resp: 170158
 Ion Ratio Lower Upper
 173 100
 175 49.3 38.9 58.3
 254 8.9 7.4 11.0

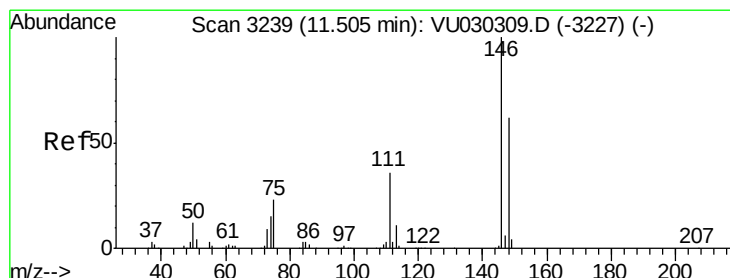
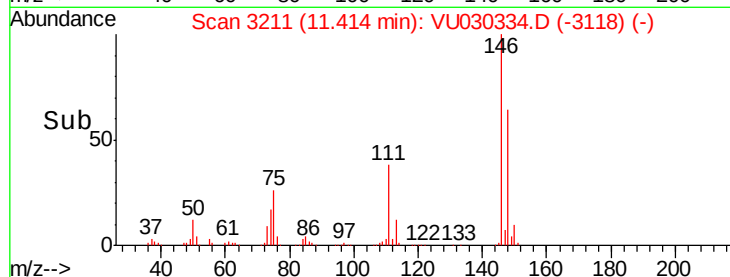
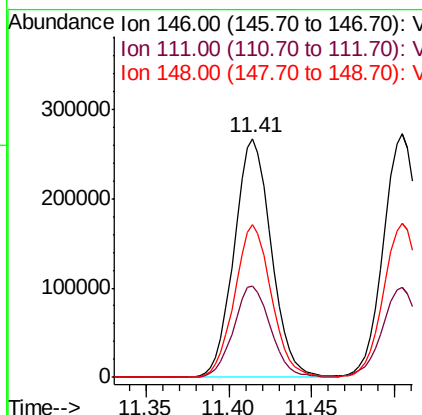
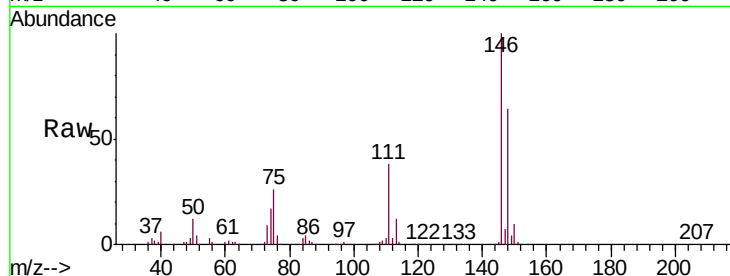




#62
 1,3-Dichlorobenzene
 Concen: 50.396 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU030334.D
 Acq: 23 Mar 2019 01:35

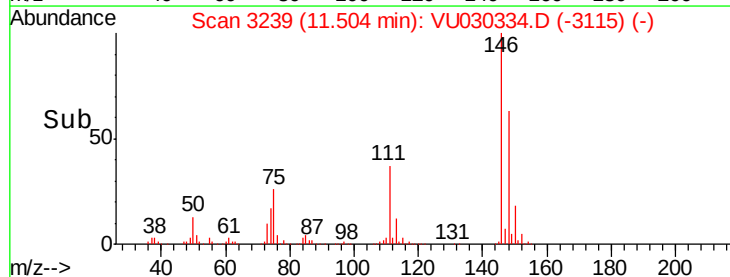
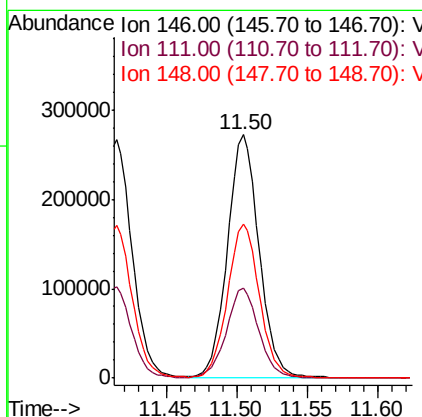
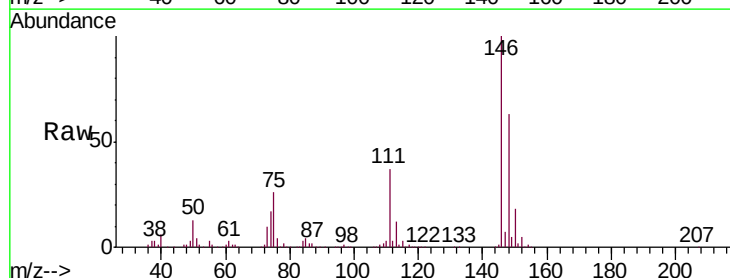
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

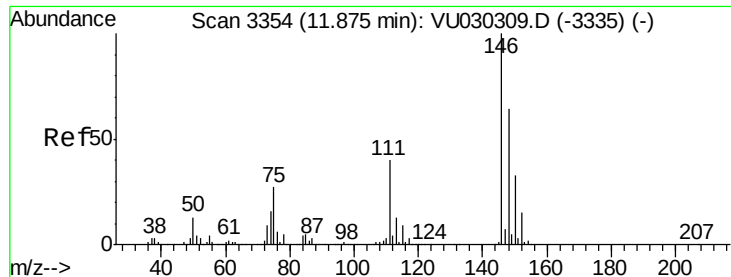
Tgt Ion:146 Resp: 416788
 Ion Ratio Lower Upper
 146 100
 111 38.4 27.2 50.4
 148 63.9 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 49.499 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030334.D
 Acq: 23 Mar 2019 01:35

Tgt Ion:146 Resp: 424626
 Ion Ratio Lower Upper
 146 100
 111 37.1 25.3 46.9
 148 63.4 44.7 82.9





#65

1,2-Dichlorobenzene

Concen: 50.875 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

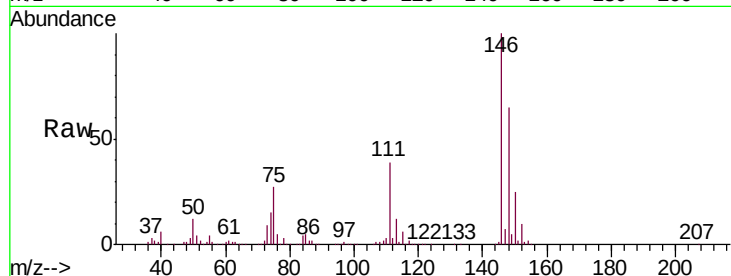
Tgt Ion:146 Resp: 429876

Ion Ratio Lower Upper

146 100

111 39.4 31.7 47.5

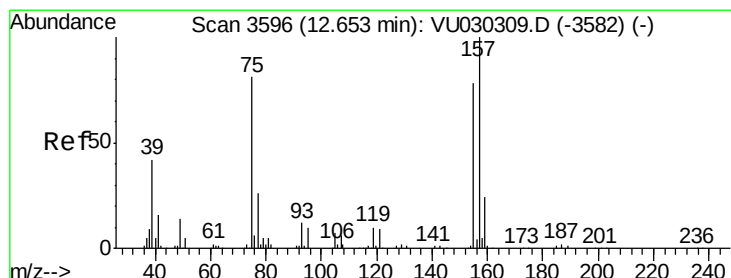
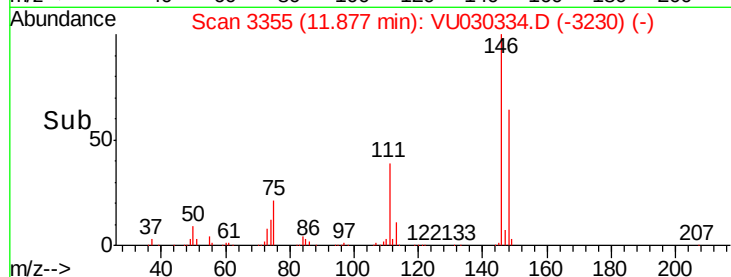
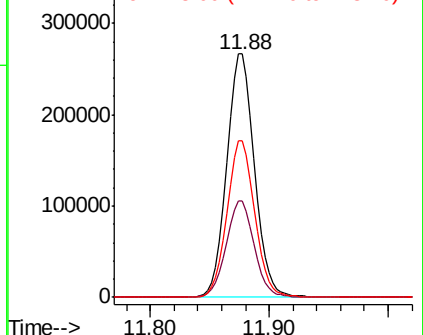
148 64.6 52.0 78.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 50.843 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

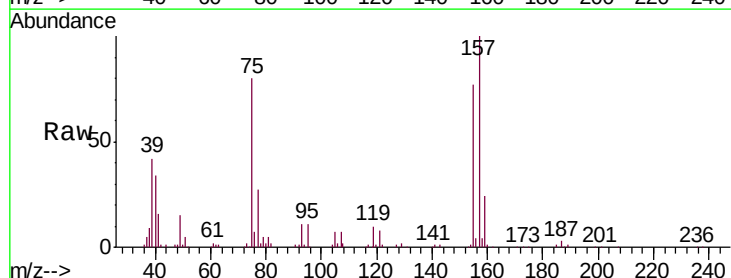
Tgt Ion: 75 Resp: 71826

Ion Ratio Lower Upper

75 100

155 96.6 80.7 121.1

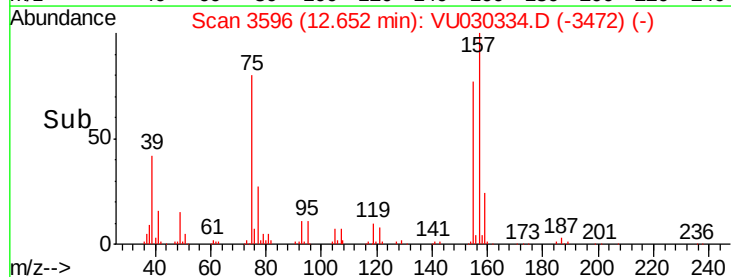
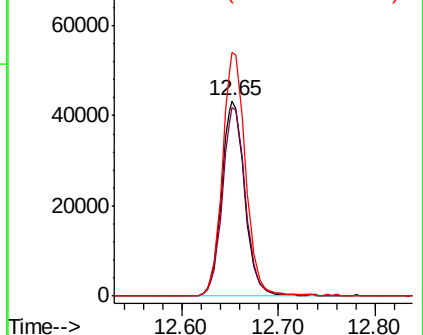
157 124.8 100.8 151.2

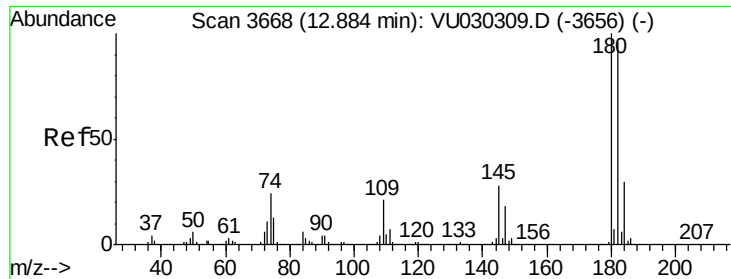


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

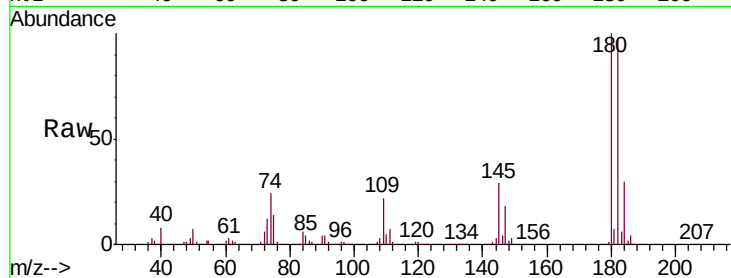




#67
 1,3,5-Trichlorobenzene
 Concen: 48.406 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU030334.D
 Acq: 23 Mar 2019 01:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.0	114.0
184	30.5	24.2	36.4
145	29.0	22.1	33.1



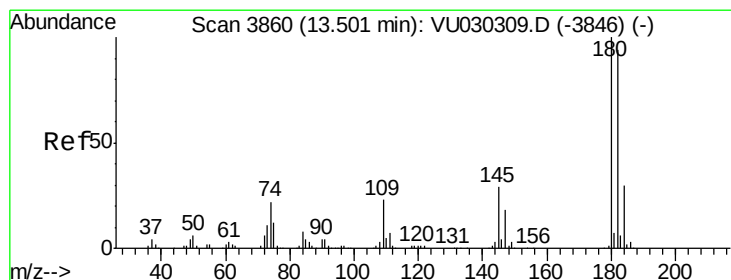
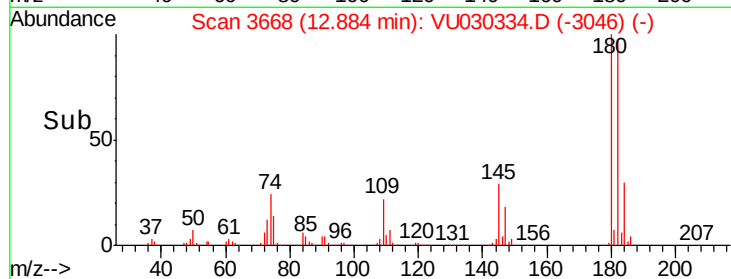
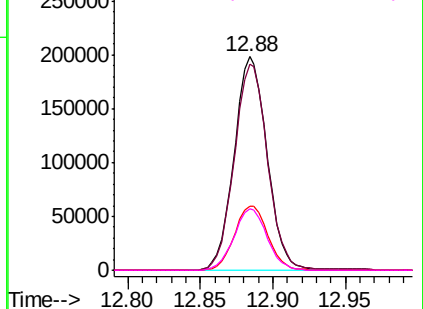
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

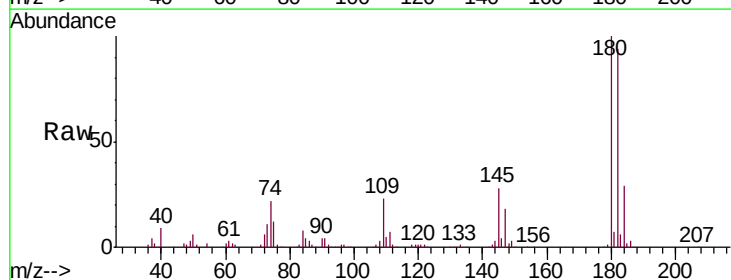
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.337 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU030334.D
 Acq: 23 Mar 2019 01:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.4	114.6
145	27.9	22.7	34.1

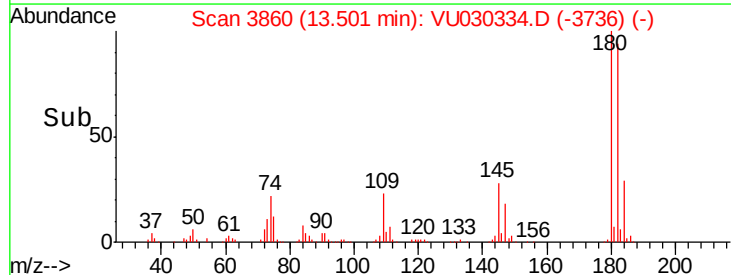
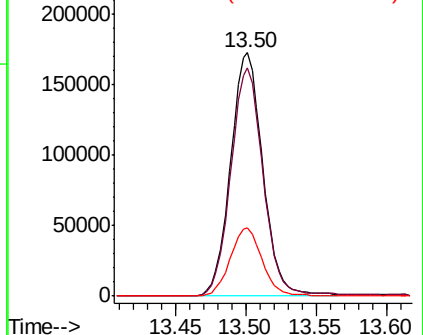


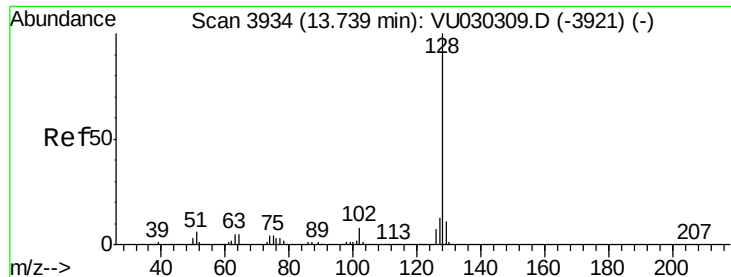
Abundance

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: 46.416 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

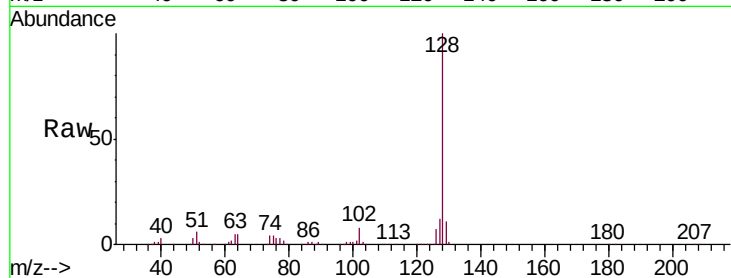
Tgt Ion:128 Resp: 841725

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

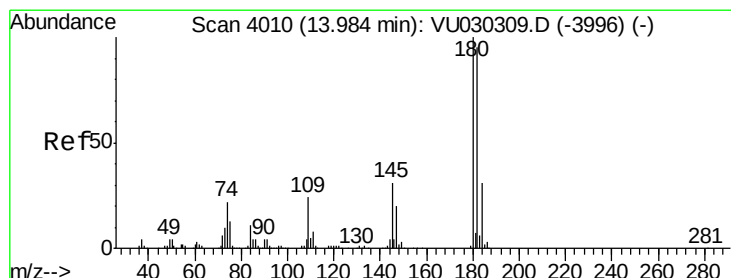
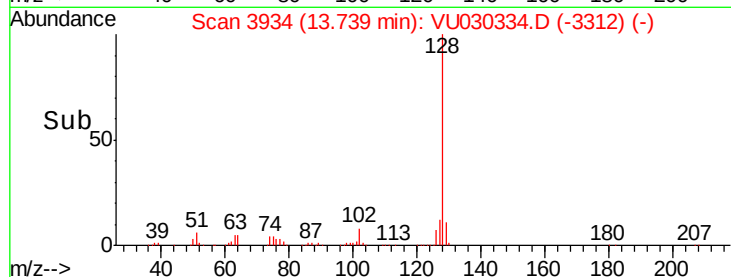
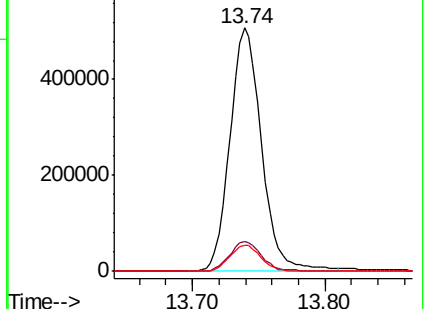
129 10.6 8.5 12.7



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: 48.868 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU030334.D

Acq: 23 Mar 2019 01:35

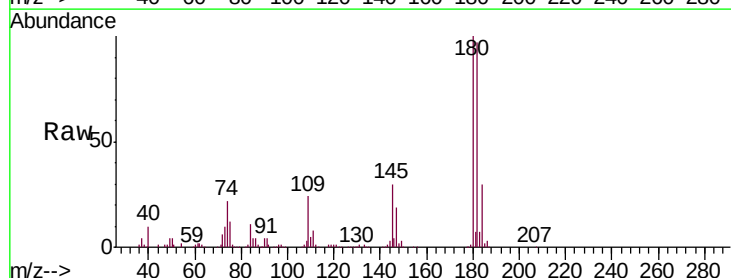
Tgt Ion:180 Resp: 291447

Ion Ratio Lower Upper

180 100

182 96.1 75.9 113.9

145 30.6 24.1 36.1



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

