

Data File : VU030401.D
Acq On : 25 Mar 2019 05:59
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Quant Time: Mar 25 07:37:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 05:48:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	438891	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	415587	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	187234	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	130244	36.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.74%
7) Chloroethane-d5	1.67	69	116622	41.66	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.32%
11) 1,1-Dichloroethene-d2	2.27	63	292816	43.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.40%
21) 2-Butanone-d5	4.17	46	337479	101.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.64%
24) Chloroform-d	4.64	84	295316	48.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.06%
26) 1,2-Dichloroethane-d4	5.31	65	187550	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.20%
32) Benzene-d6	5.34	84	580382	48.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.33	67	205489	50.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.78%
41) Toluene-d8	7.56	98	516627	48.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.54%
43) trans-1,3-Dichloropropene-	7.85	79	88816	46.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.64%
47) 2-Hexanone-d5	8.31	63	231007	104.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.55%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	284621	48.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.56%
64) 1,2-Dichlorobenzene-d4	11.86	152	185350	49.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.82%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	217911	45.000 ug/L	99
3) Chloromethane	1.33	50	257804	47.602 ug/L	99
5) Vinyl chloride	1.40	62	233102	45.389 ug/L	98
6) Bromomethane	1.62	94	85854	36.441 ug/L	98
8) Chloroethane	1.69	64	146654	50.582 ug/L	96
9) Trichlorofluoromethane	1.88	101	268601	47.961 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	140136	43.749 ug/L	99
12) 1,1-Dichloroethene	2.28	96	151035	48.098 ug/L	99
13) Acetone	2.32	43	222688	66.318 ug/L	100
14) Carbon disulfide	2.48	76	487317	46.936 ug/L	100
15) Methyl Acetate	2.61	43	251860	48.984 ug/L #	100
16) Methylene chloride	2.70	84	180633	48.796 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	161314	48.966 ug/L	97
18) Methyl tert-butyl Ether	3.00	73	560793	51.475 ug/L	99
19) 1,1-Dichloroethane	3.44	63	336599	49.801 ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	183885	49.770 ug/L	99
22) 2-Butanone	4.26	43	363432	89.543 ug/L	99

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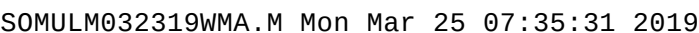
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

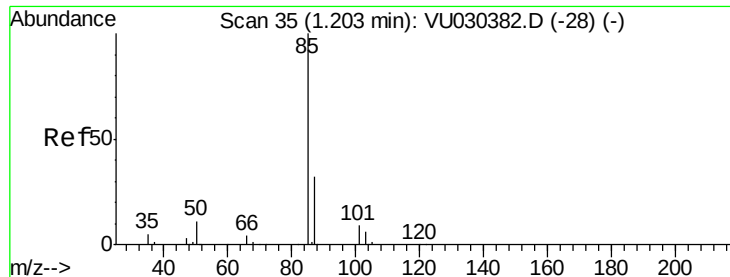
Quant Time: Mar 25 07:37:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	85329	49.689	ug/L	97
25) Chloroform	4.67	83	316850	49.306	ug/L	100
27) 1,2-Dichloroethane	5.40	62	255581	50.684	ug/L	100
29) Cyclohexane	4.99	56	321163	51.066	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	257541	50.611	ug/L	99
31) Carbon tetrachloride	5.13	117	216444	50.182	ug/L	98
33) Benzene	5.39	78	771937	54.565	ug/L	100
34) Trichloroethene	6.18	95	171550	49.328	ug/L	98
35) Methylcyclohexane	6.41	83	256857	44.882	ug/L	99
37) 1,2-Dichloropropane	6.43	63	199859	49.781	ug/L	99
38) Bromodichloromethane	6.75	83	236556	49.589	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	286507	49.649	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	661520	98.096	ug/L	100
42) Toluene	7.63	91	738454	50.296	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	247996	48.842	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	169182	49.874	ug/L	99
46) Tetrachloroethene	8.22	164	117217	48.255	ug/L	97
48) 2-Hexanone	8.36	43	521302	94.320	ug/L	99
49) Dibromochloromethane	8.47	129	179259	50.857	ug/L	97
50) 1,2-Dibromoethane	8.58	107	183213	50.325	ug/L	99
51) Chlorobenzene	9.12	112	870655	97.845	ug/L	99
52) Ethylbenzene	9.25	91	805247	50.629	ug/L	100
53) m,p-Xylene	9.37	106	286547	49.897	ug/L	96
54) o-xylene	9.77	106	290690	51.877	ug/L	96
55) Styrene	9.79	104	493654	51.142	ug/L	99
56) Isopropylbenzene	10.16	105	744402	50.171	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	306379	49.005	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	241290	49.376	ug/L	100
61) Bromoform	9.95	173	132239	53.121	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	359666	58.740	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	677744	107.518	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	681518	110.075	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	69573	50.467	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	211382	46.114	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	526793	132.267	ug/L	99
69) Naphthalene	13.74	128	640729	45.242	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	300969	71.563	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 45.000 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU030401.D

Acq: 25 Mar 2019 05:59

Instrument :

MSVOA_U

ClientSampleId :

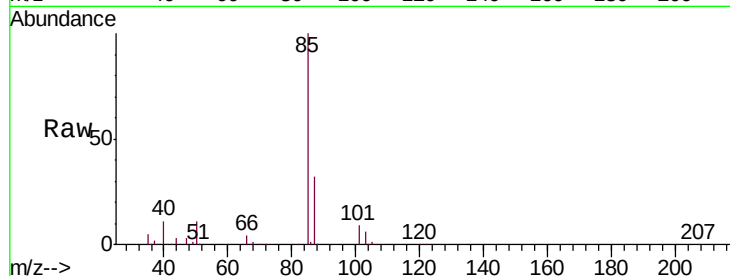
VSTD05059

Tgt Ion: 85 Resp: 217911

Ion Ratio Lower Upper

85 100

87 31.6 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU030382.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU030382.D (-28) (-)

1.21

250000

200000

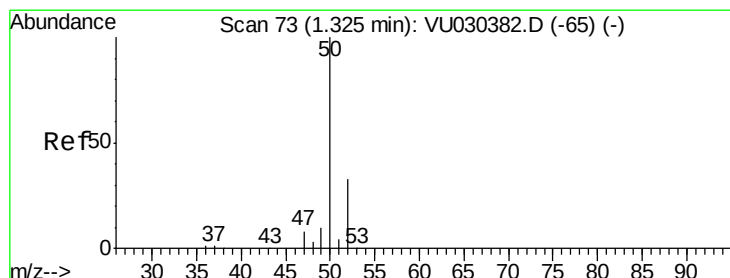
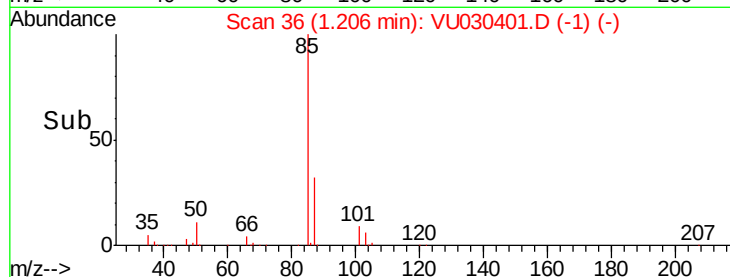
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 47.602 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU030401.D

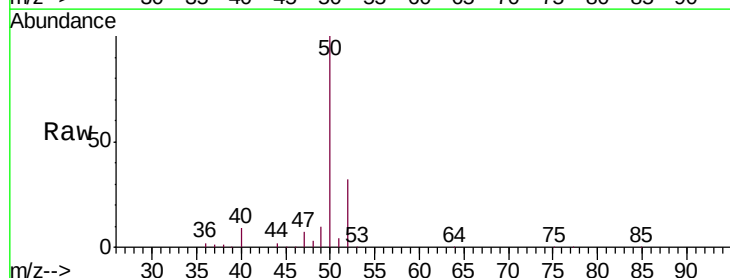
Acq: 25 Mar 2019 05:59

Tgt Ion: 50 Resp: 257804

Ion Ratio Lower Upper

50 100

52 32.2 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU030382.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU030382.D (-65) (-)

1.33

300000

250000

200000

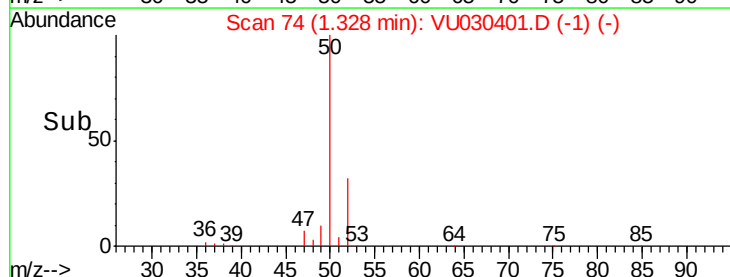
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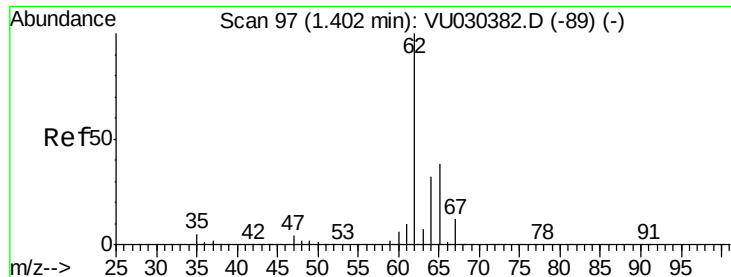
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 45.389 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030401.D

Acq: 25 Mar 2019 05:59

Instrument :

MSVOA_U

ClientSampleId :

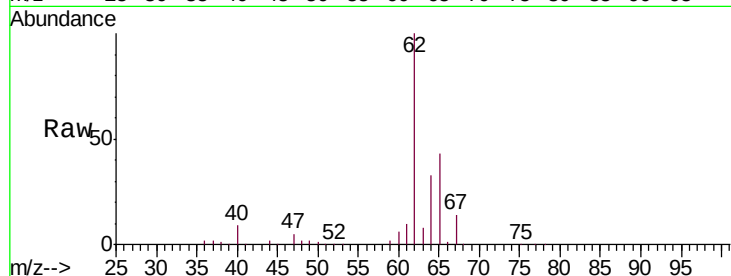
VSTD05059

Tgt Ion: 62 Resp: 233102

Ion Ratio Lower Upper

62 100

64 33.2 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU030382.D (-89) (-)

Ion 64.00 (63.70 to 64.70): VU030382.D (-89) (-)

1.40

250000

200000

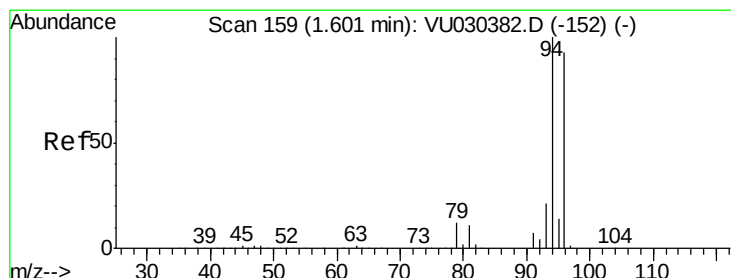
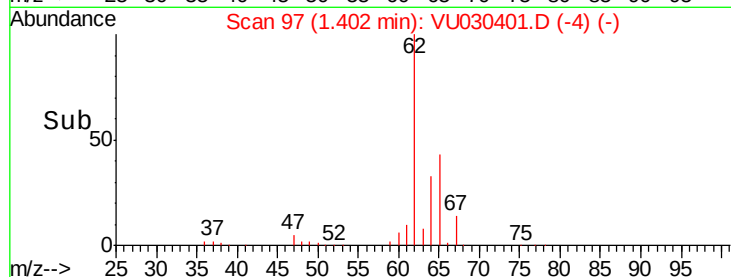
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 36.441 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU030401.D

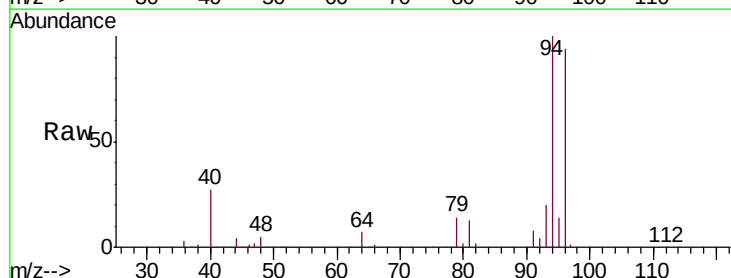
Acq: 25 Mar 2019 05:59

Tgt Ion: 94 Resp: 85854

Ion Ratio Lower Upper

94 100

96 94.0 64.8 120.3



Abundance Ion 94.00 (93.70 to 94.70): VU030382.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU030382.D (-152) (-)

1.62

80000

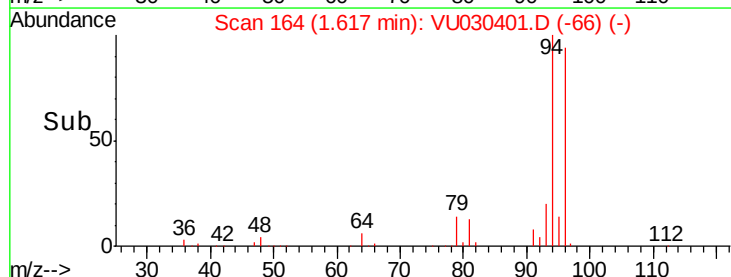
60000

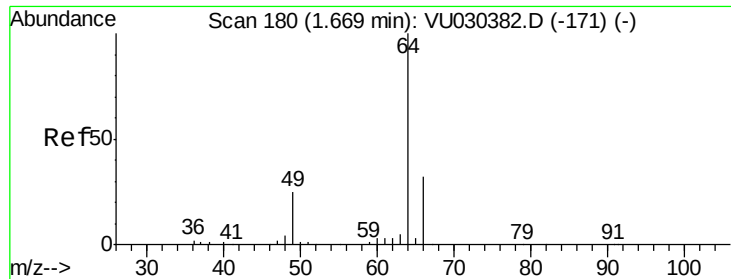
40000

20000

0

Time-->





#8

Chloroethane

Concen: 50.582 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU030401.D

Acq: 25 Mar 2019 05:59

Instrument :

MSVOA_U

ClientSampleId :

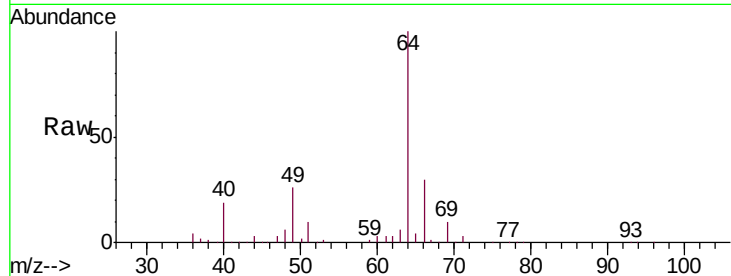
VSTD05059

Tgt Ion: 64 Resp: 146654

Ion Ratio Lower Upper

64 100

66 29.7 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU030382.D (-171) (-)

Ion 66.00 (65.70 to 66.70): VU030382.D (-171) (-)

1.69

120000

100000

80000

60000

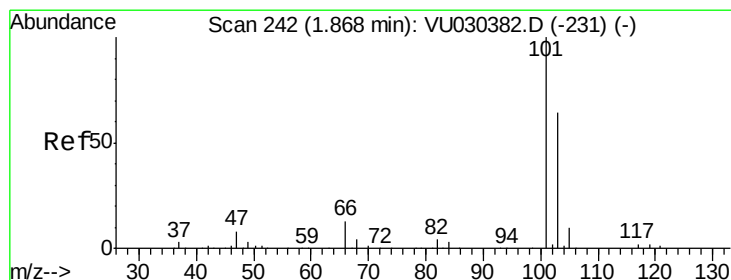
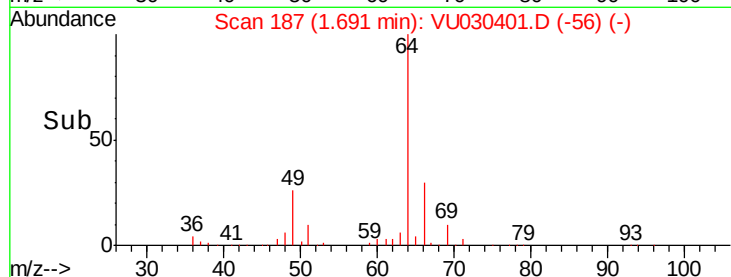
40000

20000

0

1.65 1.70 1.75 1.80

Time-->



#9

Trichlorofluoromethane

Concen: 47.961 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.01 min

Lab File: VU030401.D

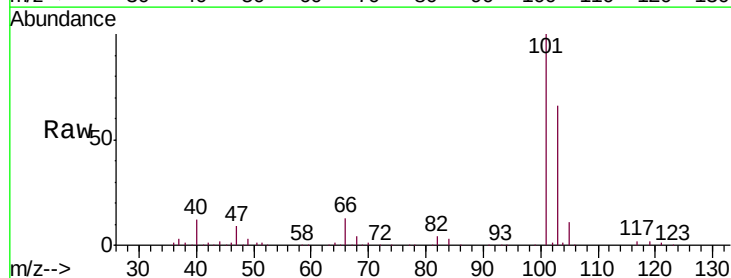
Acq: 25 Mar 2019 05:59

Tgt Ion: 101 Resp: 268601

Ion Ratio Lower Upper

101 100

103 65.2 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU030382.D (-231) (-)

Ion 103.00 (102.70 to 103.70): VU030382.D (-231) (-)

1.88

200000

150000

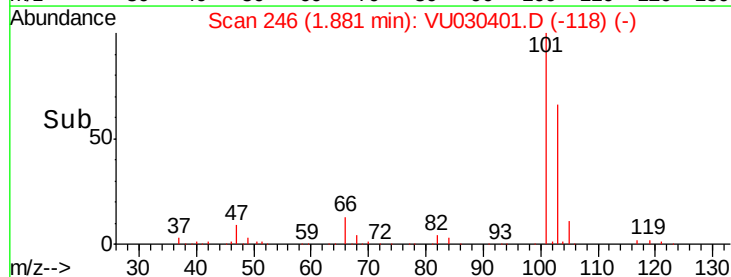
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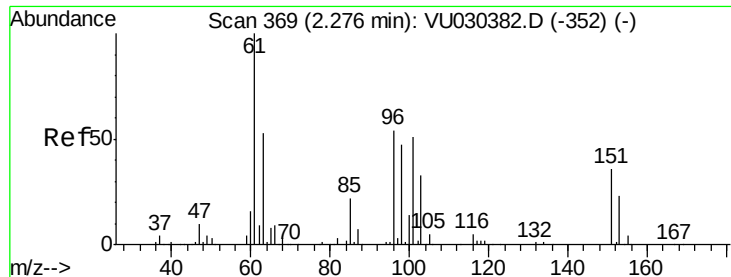
50000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 43.749 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.01 min

Lab File: VU030401.D

Acq: 25 Mar 2019 05:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

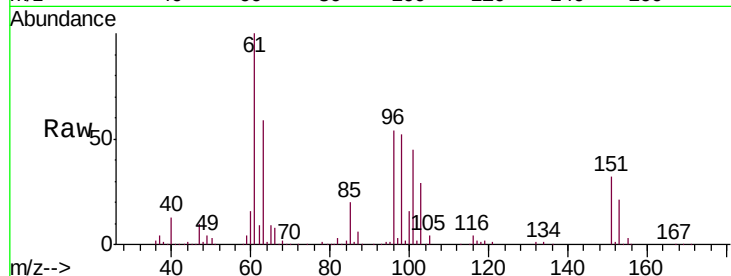
Tgt Ion: 101 Resp: 140136

Ion Ratio Lower Upper

101 100

85 43.4 34.8 52.2

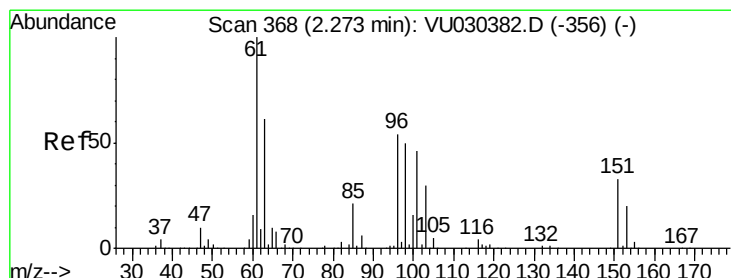
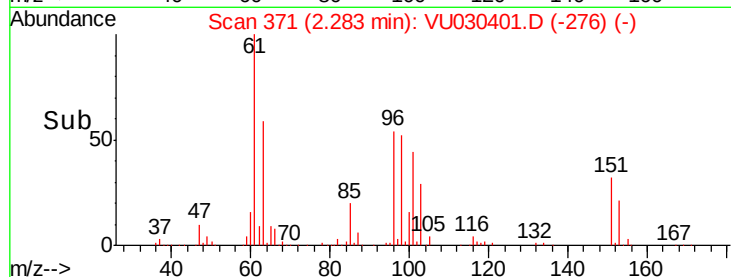
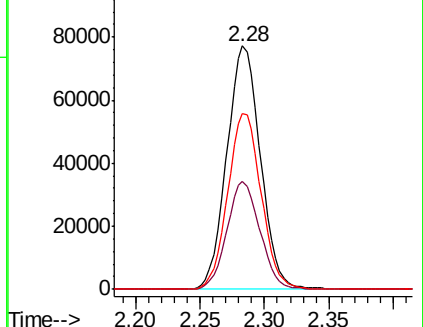
151 71.6 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.098 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VU030401.D

Acq: 25 Mar 2019 05:59

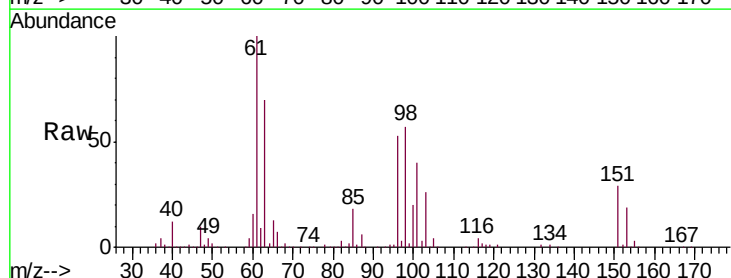
Tgt Ion: 96 Resp: 151035

Ion Ratio Lower Upper

96 100

61 189.1 131.0 243.4

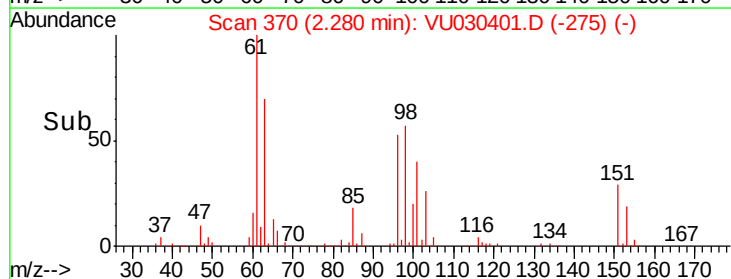
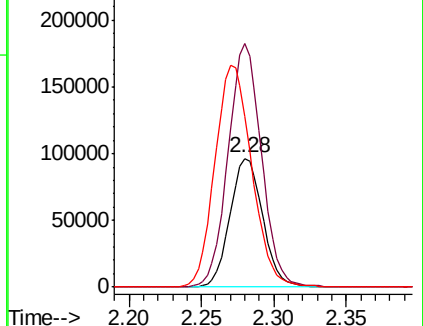
63 132.6 92.4 171.6

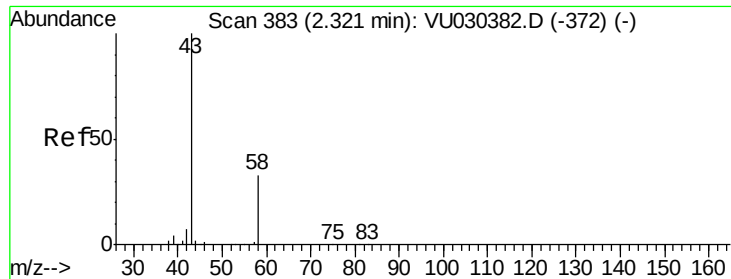


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 66.318 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

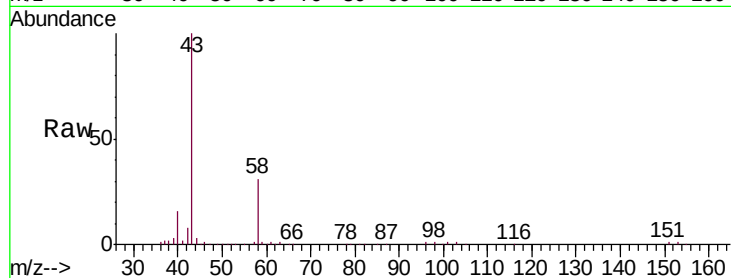
VSTD05059

Tgt Ion: 43 Resp: 222688

Ion Ratio Lower Upper

43 100

58 31.3 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030382.D (-372) (-)

Ion 58.00 (57.70 to 58.70): VU030382.D (-372) (-)

2.32

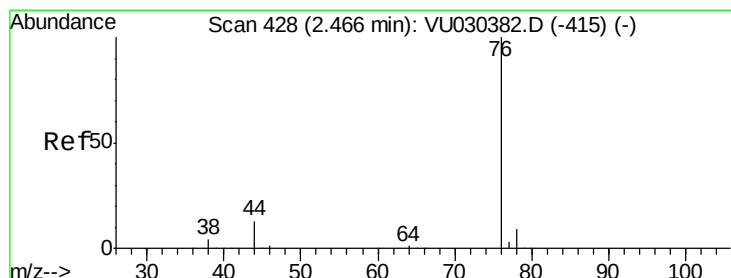
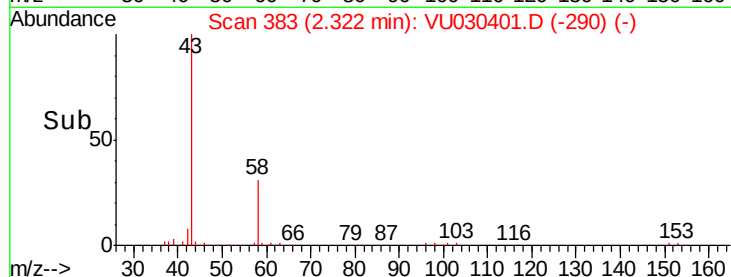
150000

100000

50000

0

Time--> 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 46.936 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.01 min

Lab File: VU030401.D

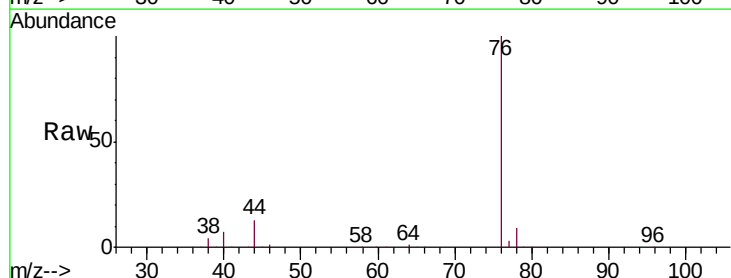
Acq: 25 Mar 2019 05:59

Tgt Ion: 76 Resp: 487317

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU030382.D (-415) (-)

Ion 78.00 (77.70 to 78.70): VU030382.D (-415) (-)

2.48

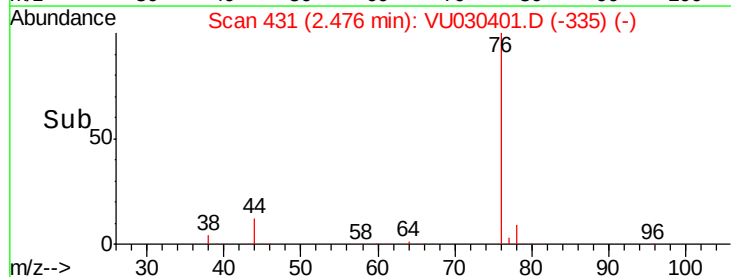
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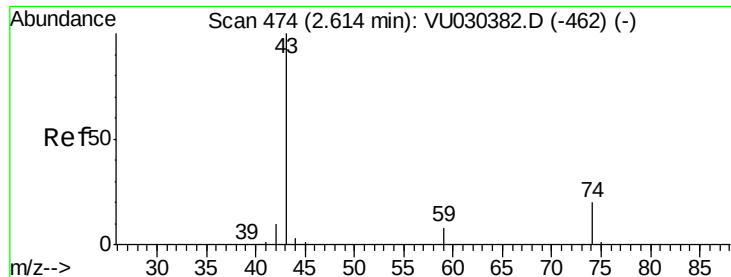
200000

100000

0

Time--> 2.40 2.45 2.50 2.55

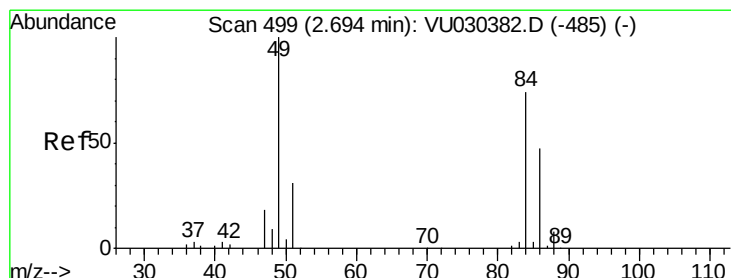
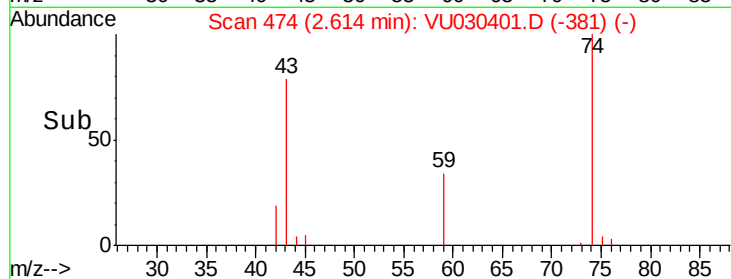
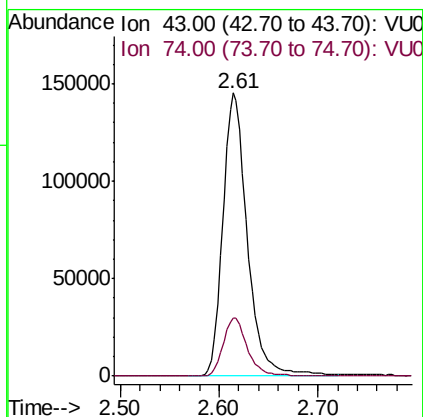
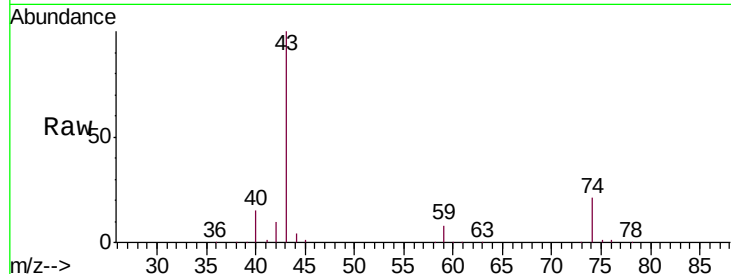




#15
Methyl Acetate
Concen: 48.984 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU030401.D
Acq: 25 Mar 2019 05:59

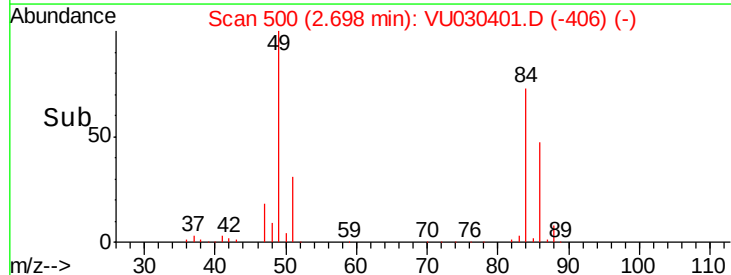
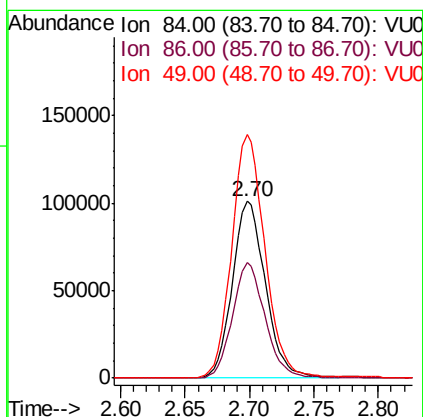
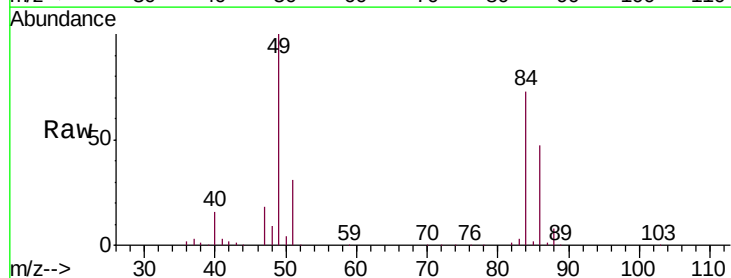
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

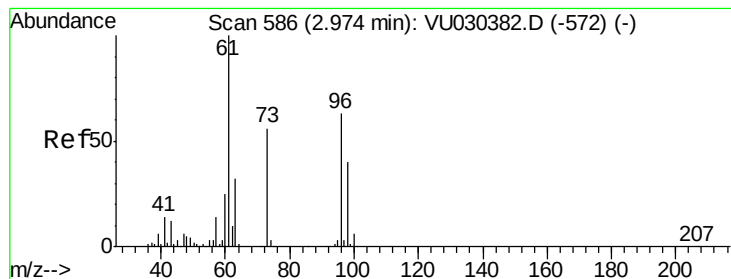
Tgt Ion: 43 Resp: 251860
Ion Ratio Lower Upper
43 100
74 20.2 0.0 0.0#



#16
Methylene chloride
Concen: 48.796 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU030401.D
Acq: 25 Mar 2019 05:59

Tgt Ion: 84 Resp: 180633
Ion Ratio Lower Upper
84 100
86 65.1 44.3 82.3
49 137.8 94.9 176.3





#17

trans-1,2-Dichloroethene

Concen: 48.966 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.01 min

Lab File: VU030401.D

Acq: 25 Mar 2019 05:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

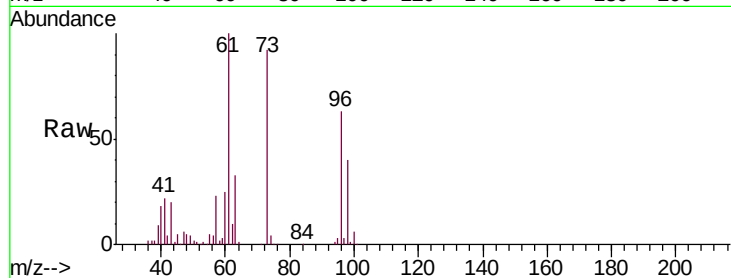
Tgt Ion: 96 Resp: 161314

Ion Ratio Lower Upper

96 100

61 158.4 108.6 201.8

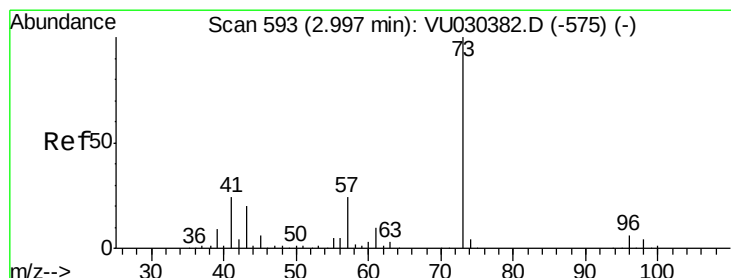
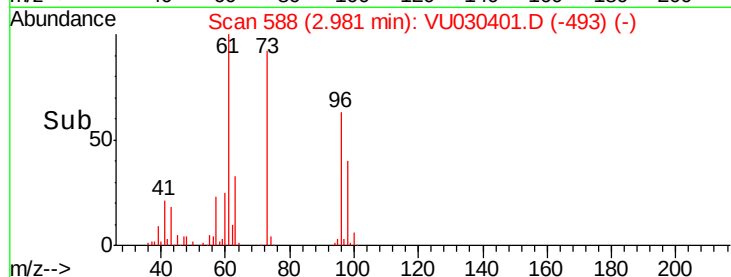
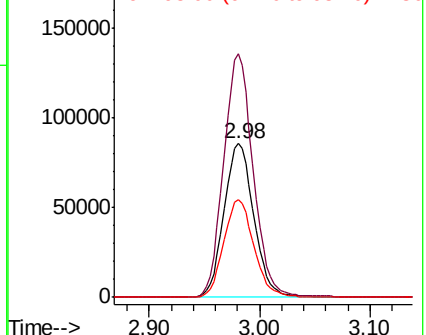
98 63.5 42.3 78.5



Abundance Ion 96.00 (95.70 to 96.70): VU030382.D (-572) (-)

Ion 61.00 (60.70 to 61.70): VU030382.D (-572) (-)

Ion 98.00 (97.70 to 98.70): VU030382.D (-572) (-)



#18

Methyl tert-butyl Ether

Concen: 51.475 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU030401.D

Acq: 25 Mar 2019 05:59

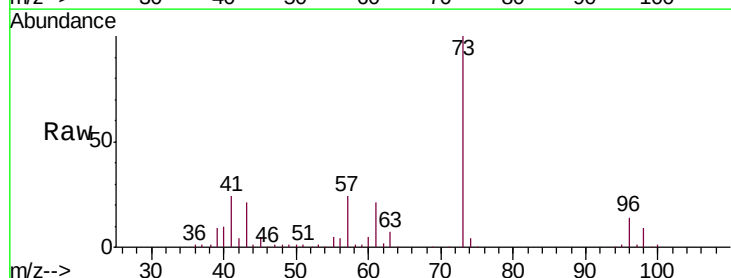
Tgt Ion: 73 Resp: 560793

Ion Ratio Lower Upper

73 100

43 20.4 16.6 24.8

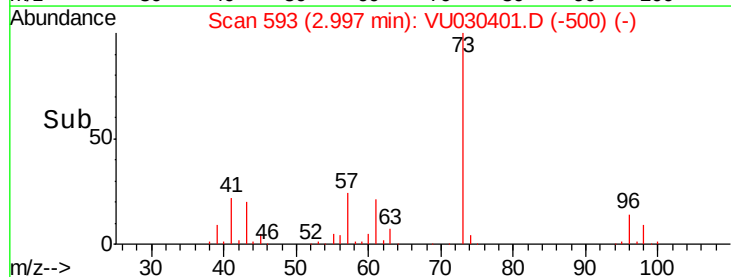
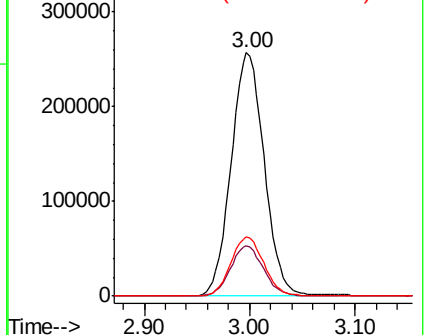
57 24.2 18.9 28.3

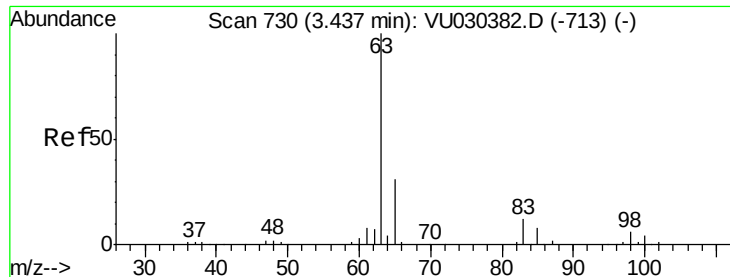


Abundance Ion 73.00 (72.70 to 73.70): VU030382.D (-575) (-)

Ion 43.00 (42.70 to 43.70): VU030382.D (-575) (-)

Ion 57.00 (56.70 to 57.70): VU030382.D (-575) (-)

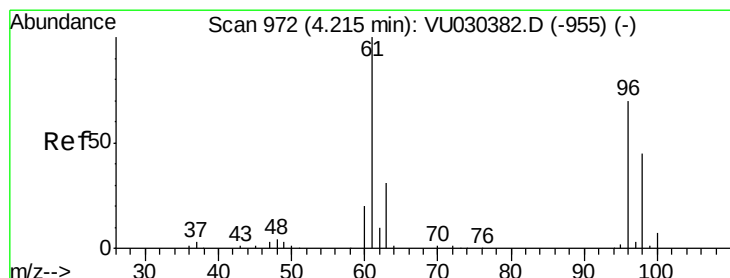
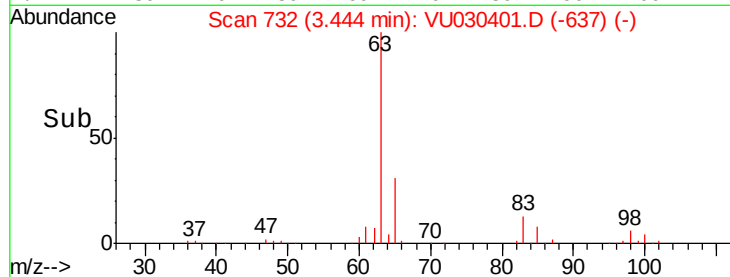
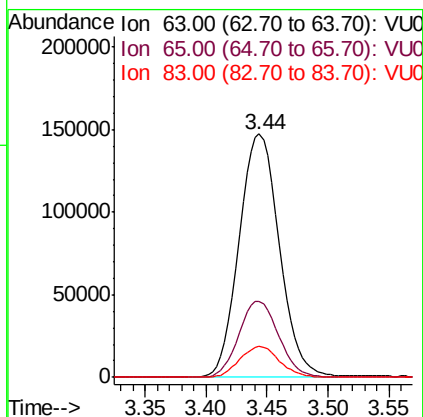
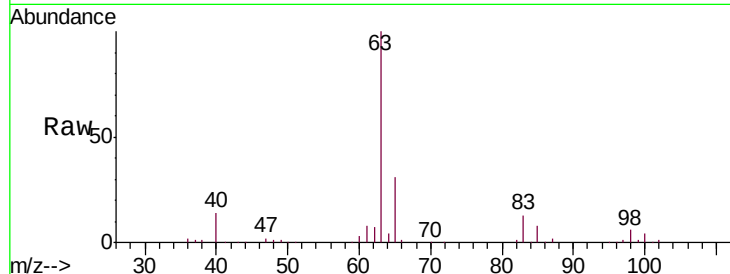




#19
 1,1-Dichloroethane
 Concen: 49.801 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.01 min
 Lab File: VU030401.D
 Acq: 25 Mar 2019 05:59

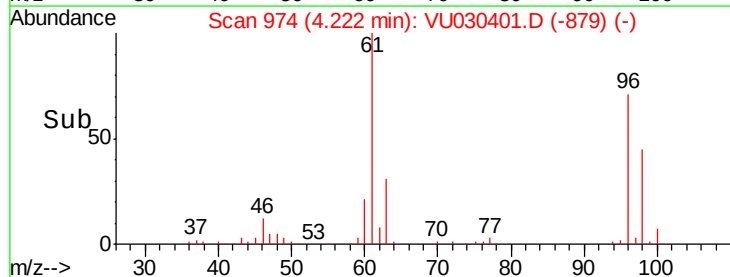
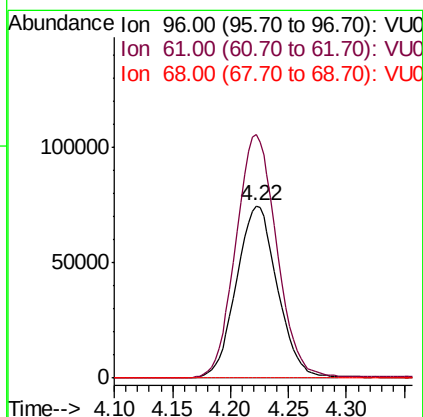
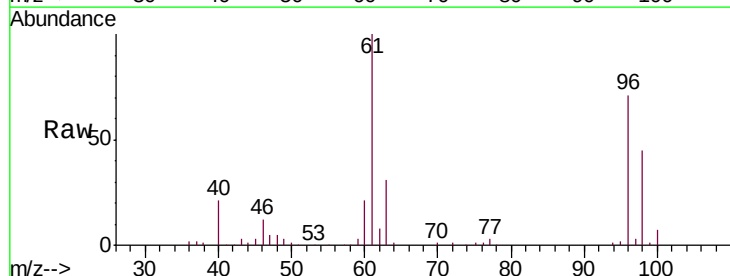
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

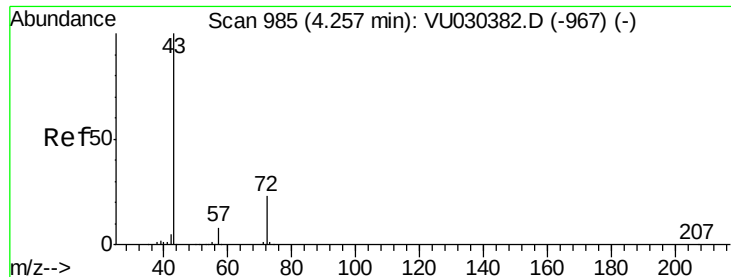
Tgt Ion: 63 Resp: 336599
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.0 40.8
 83 12.7 9.1 16.9



#20
 cis-1,2-Dichloroethene
 Concen: 49.770 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.01 min
 Lab File: VU030401.D
 Acq: 25 Mar 2019 05:59

Tgt Ion: 96 Resp: 183885
 Ion Ratio Lower Upper
 96 100
 61 141.4 98.4 182.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 89.543 ug/L

RT: 4.26 min Scan# 986

Delta R.T. 0.00 min

Lab File: VU030401.D

Acq: 25 Mar 2019 05:59

Instrument :

MSVOA_U

ClientSampleId :

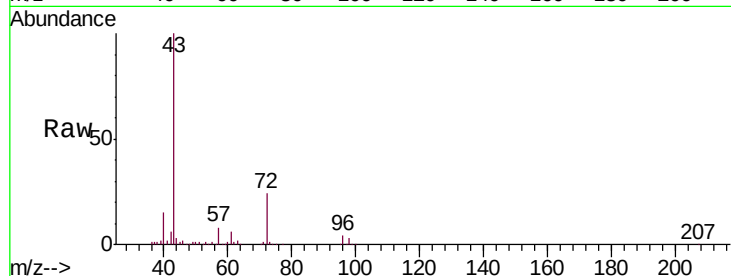
VSTD05059

Tgt Ion: 43 Resp: 363432

Ion Ratio Lower Upper

43 100

72 24.4 12.0 36.1



Abundance Ion 43.00 (42.70 to 43.70): VU030382.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU030382.D (-967) (-)

4.26

150000

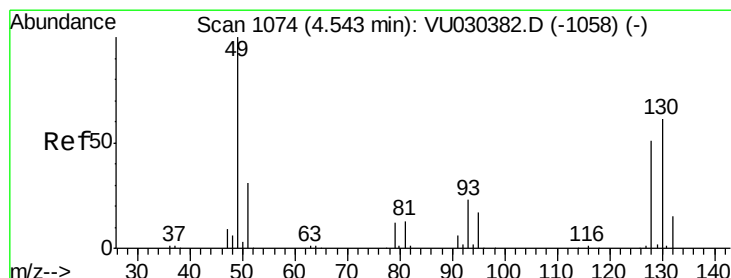
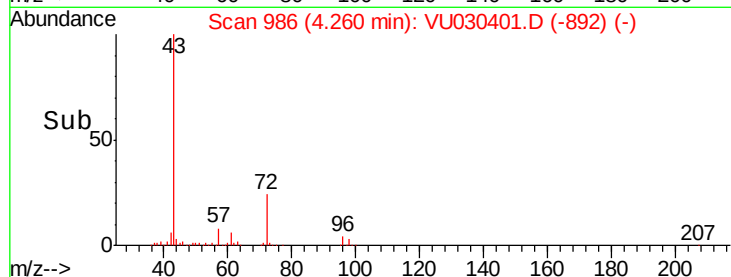
100000

50000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 49.689 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU030401.D

Acq: 25 Mar 2019 05:59

Tgt Ion: 128 Resp: 85329

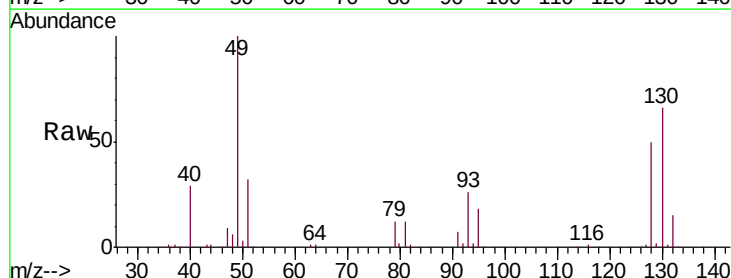
Ion Ratio Lower Upper

128 100

49 201.3 145.5 270.3

130 132.7 95.3 177.1

51 64.4 52.2 78.2



Abundance Ion 128.00 (127.70 to 128.70): VU030382.D (-1058) (-)

Ion 49.00 (48.70 to 49.70): VU030382.D (-1058) (-)

Ion 130.00 (129.70 to 130.70): VU030382.D (-1058) (-)

Ion 51.00 (50.70 to 51.70): VU030382.D (-1058) (-)

4.55

100000

80000

60000

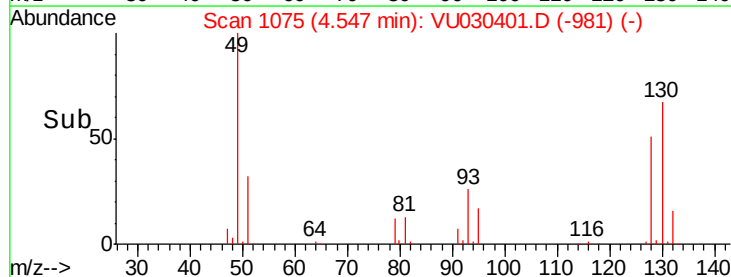
40000

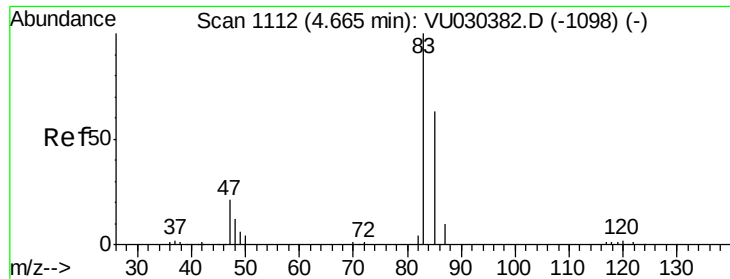
20000

0

4.45 4.50 4.55 4.60 4.65

Time-->

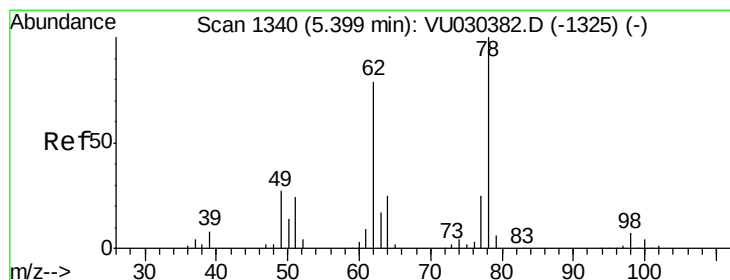
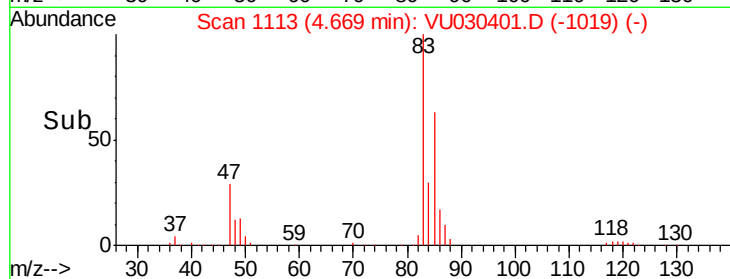
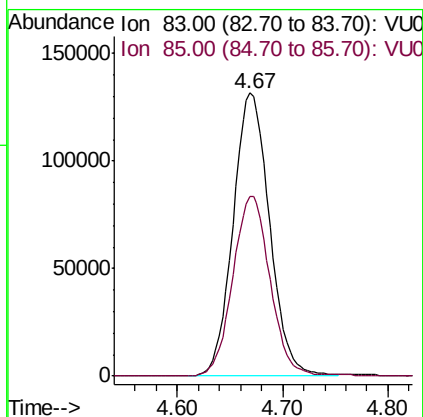
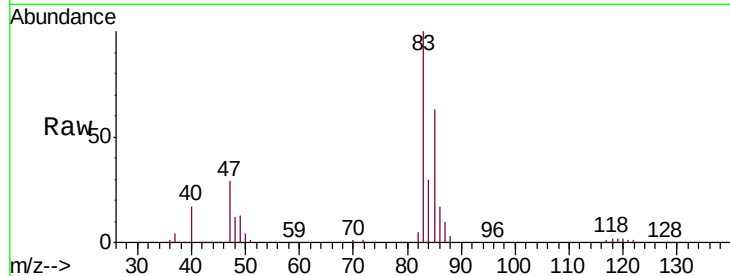




#25
Chloroform
Concen: 49.306 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030401.D
Acq: 25 Mar 2019 05:59

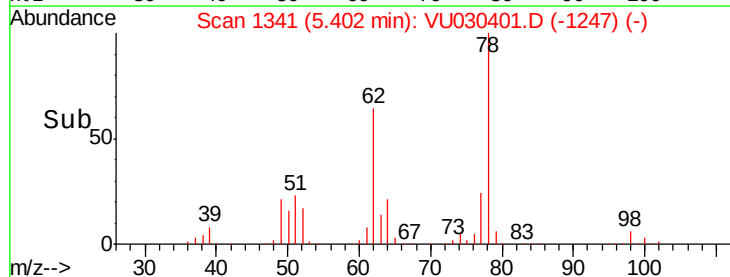
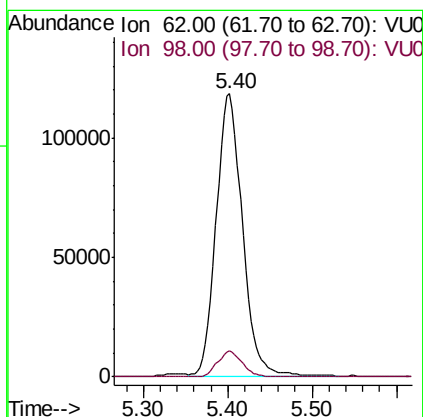
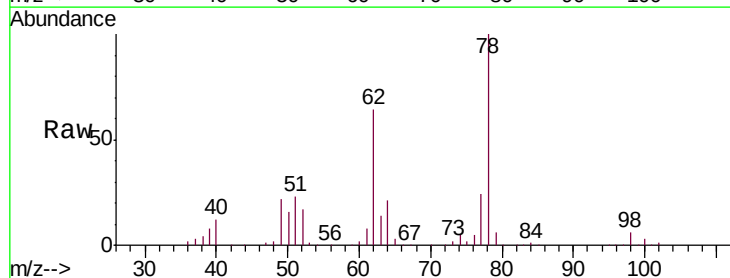
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

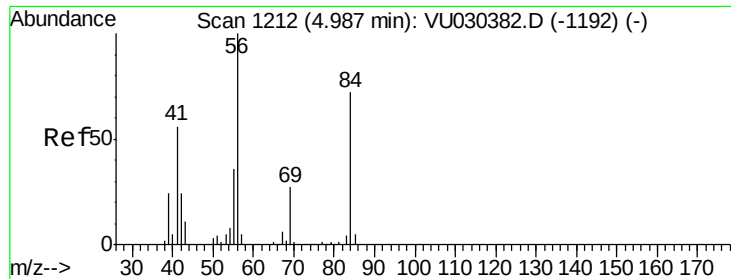
Tgt Ion: 83 Resp: 316850
Ion Ratio Lower Upper
83 100
85 63.4 44.4 82.4



#27
1,2-Dichloroethane
Concen: 50.684 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU030401.D
Acq: 25 Mar 2019 05:59

Tgt Ion: 62 Resp: 255581
Ion Ratio Lower Upper
62 100
98 9.1 7.2 10.8

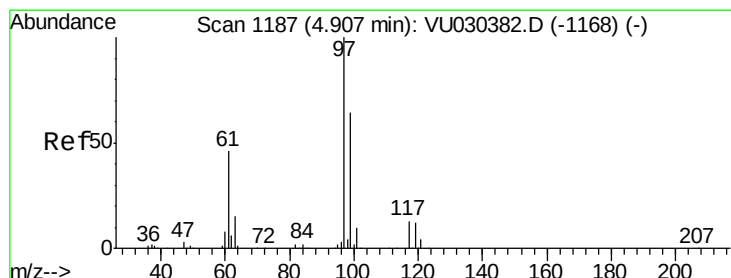
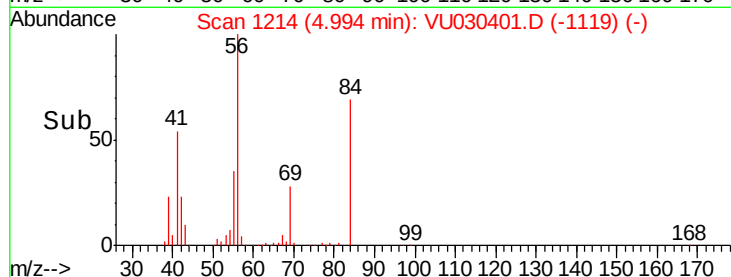
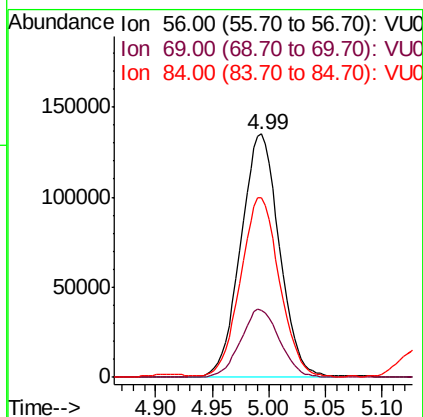
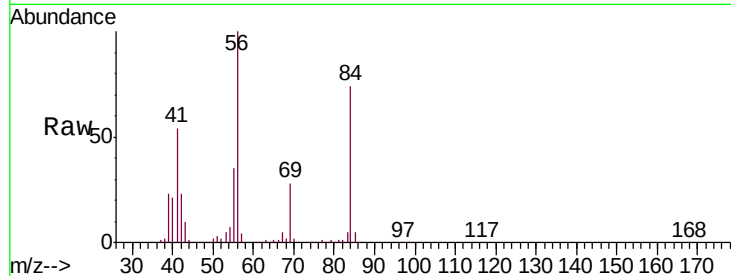




#29
Cyclohexane
Concen: 51.066 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.01 min
Lab File: VU030401.D
Acq: 25 Mar 2019 05:59

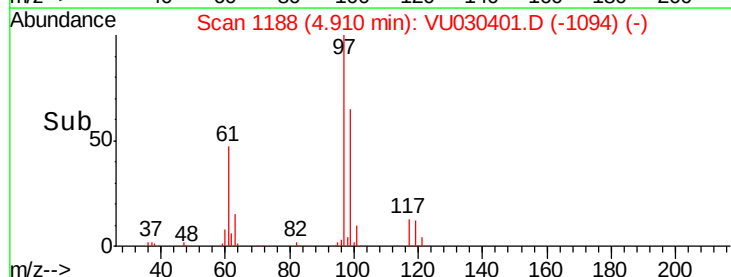
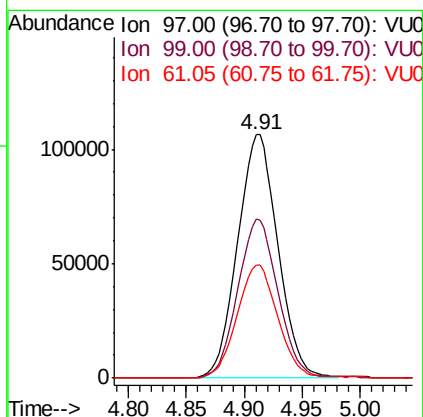
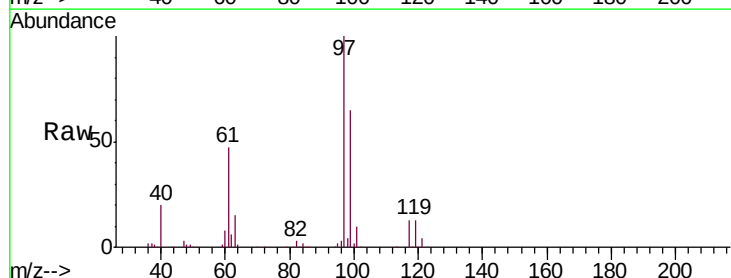
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

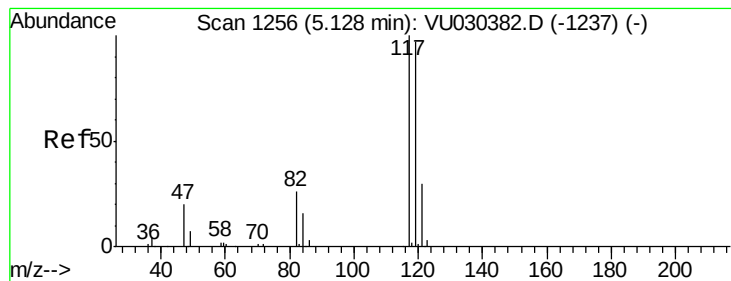
Tgt Ion: 56 Resp: 321163
Ion Ratio Lower Upper
56 100
69 28.3 22.9 34.3
84 74.2 58.9 88.3



#30
1,1,1-Trichloroethane
Concen: 50.611 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU030401.D
Acq: 25 Mar 2019 05:59

Tgt Ion: 97 Resp: 257541
Ion Ratio Lower Upper
97 100
99 64.9 51.8 77.6
61 46.9 38.2 57.4





#31

Carbon tetrachloride

Concen: 50.182 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU030401.D

Acq: 25 Mar 2019 05:59

Instrument :

MSVOA_U

ClientSampleId :

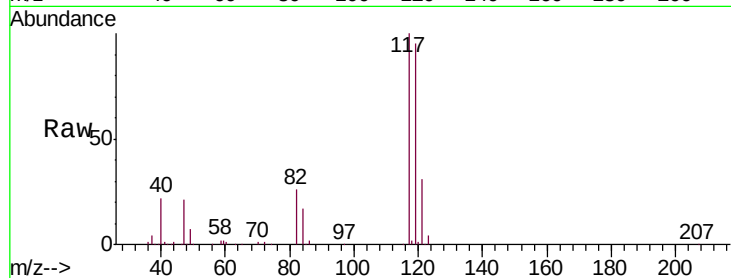
VSTD05059

Tgt Ion:117 Resp: 216444

Ion Ratio Lower Upper

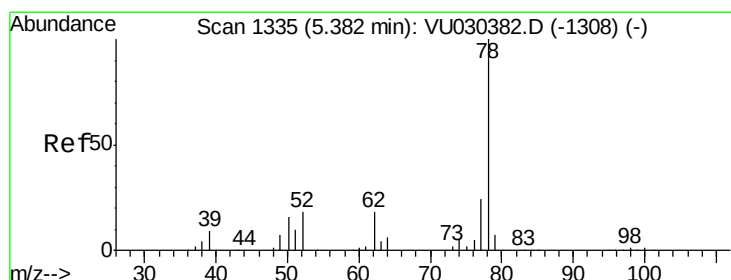
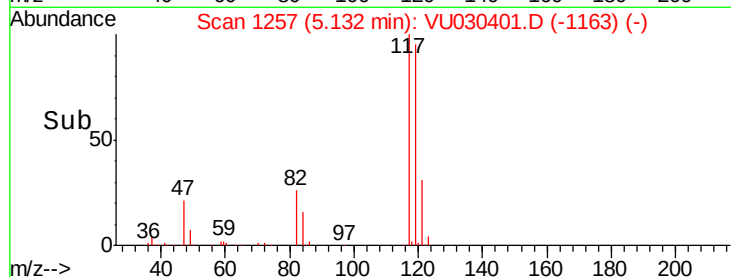
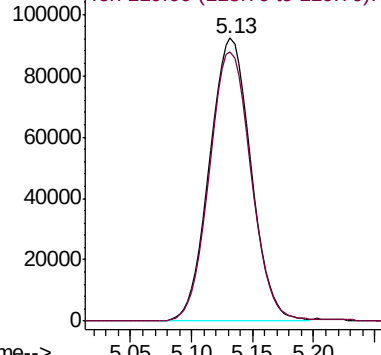
117 100

119 96.4 75.4 113.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 54.565 ug/L

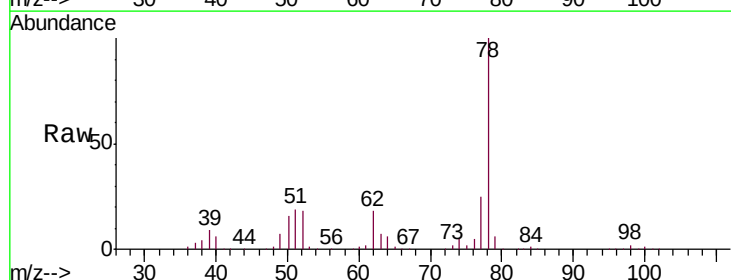
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

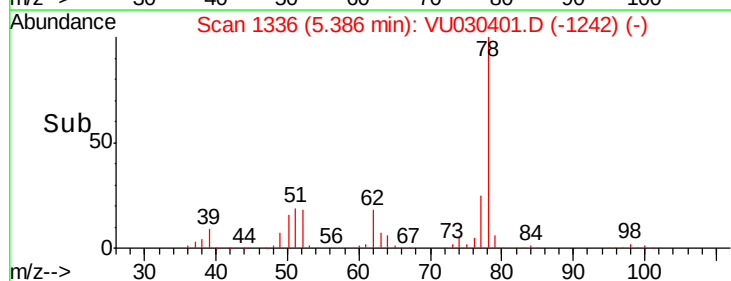
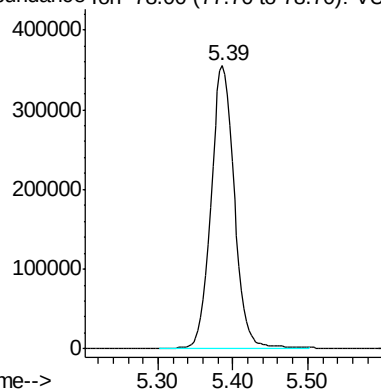
Lab File: VU030401.D

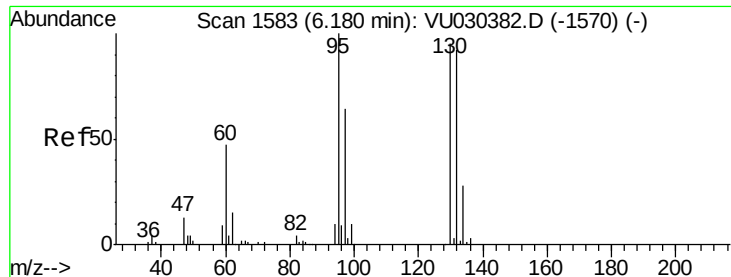
Acq: 25 Mar 2019 05:59

Tgt Ion: 78 Resp: 771937



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 49.328 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU030401.D

Acq: 25 Mar 2019 05:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

Tgt Ion: 95 Resp: 171550

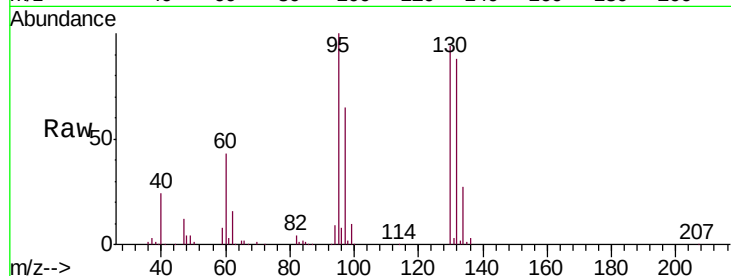
Ion Ratio Lower Upper

95 100

97 64.7 45.7 84.9

132 87.9 63.8 118.4

130 94.0 65.7 121.9

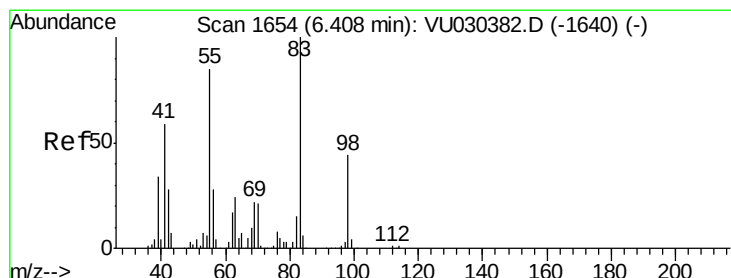
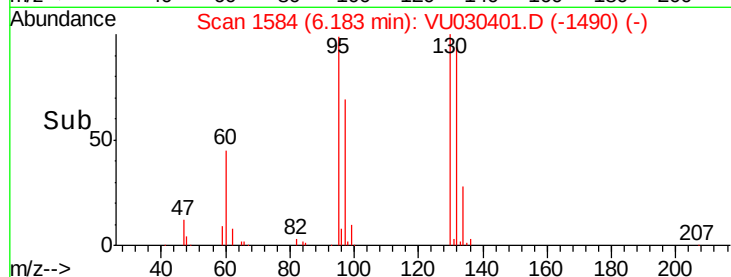
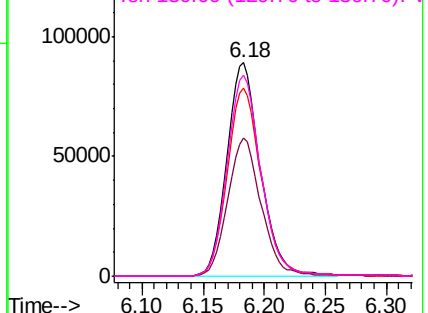


Abundance Ion 95.00 (94.70 to 95.70): VU030382.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU030382.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU030382.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU030382.D (-1570) (-)



#35

Methylcyclohexane

Concen: 44.882 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU030401.D

Acq: 25 Mar 2019 05:59

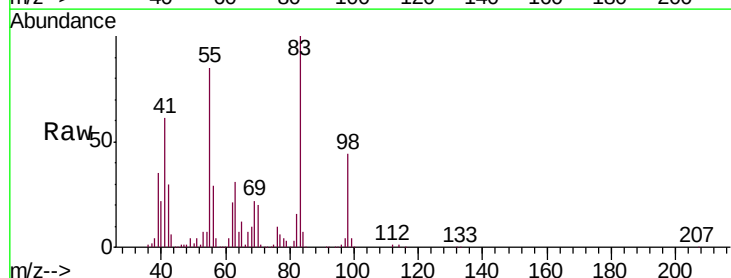
Tgt Ion: 83 Resp: 256857

Ion Ratio Lower Upper

83 100

55 89.5 71.4 107.0

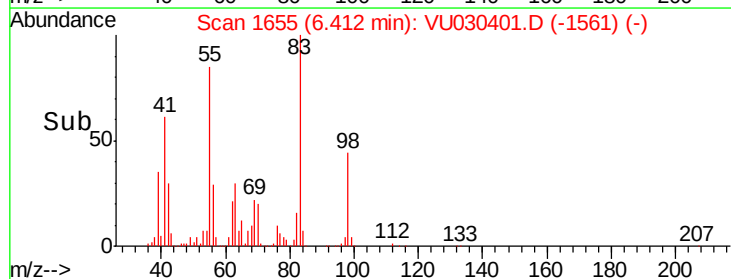
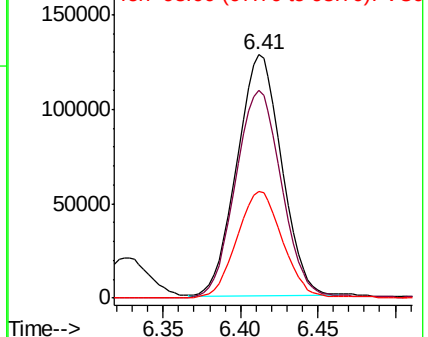
98 45.8 36.0 54.0

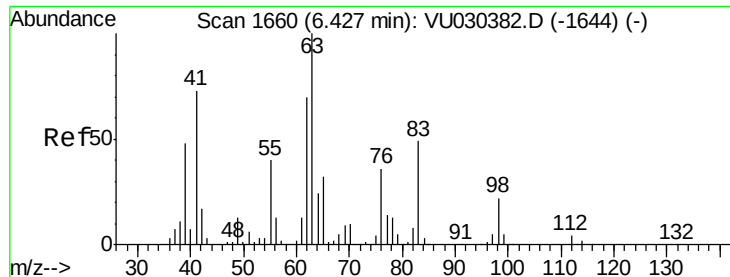


Abundance Ion 83.00 (82.70 to 83.70): VU030382.D (-1640) (-)

Ion 55.00 (54.70 to 55.70): VU030382.D (-1640) (-)

Ion 98.00 (97.70 to 98.70): VU030382.D (-1640) (-)

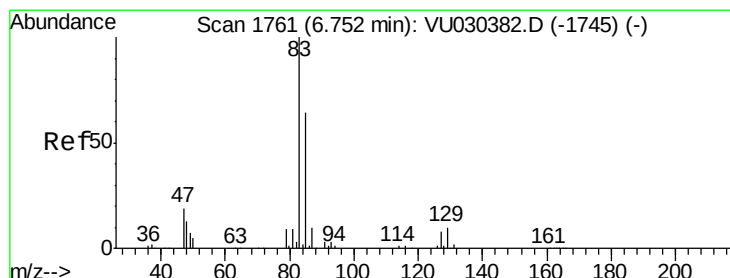
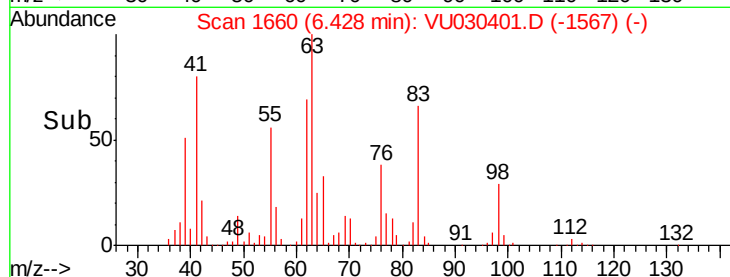
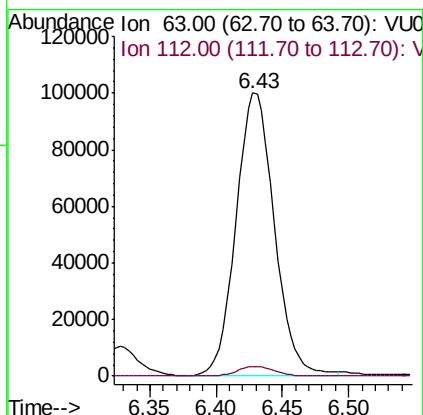
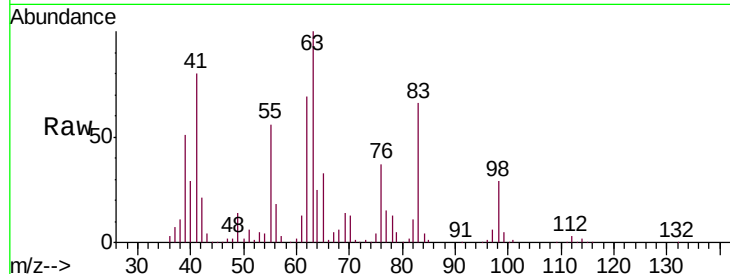




#37
 1,2-Dichloropropane
 Concen: 49.781 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU030401.D
 Acq: 25 Mar 2019 05:59

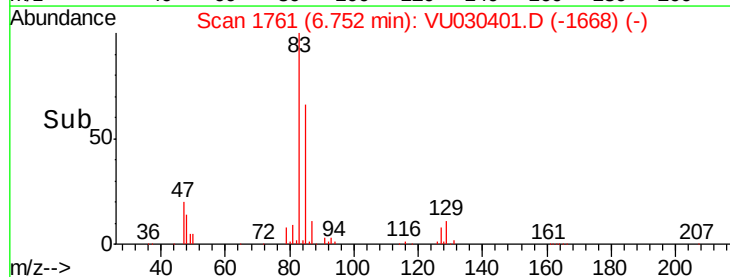
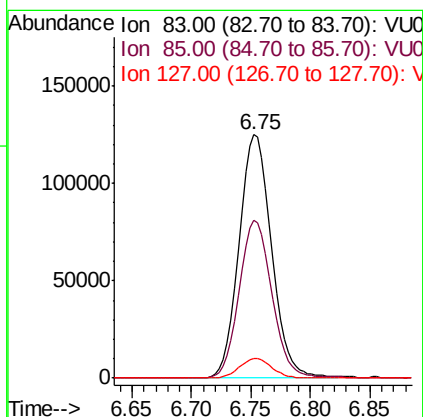
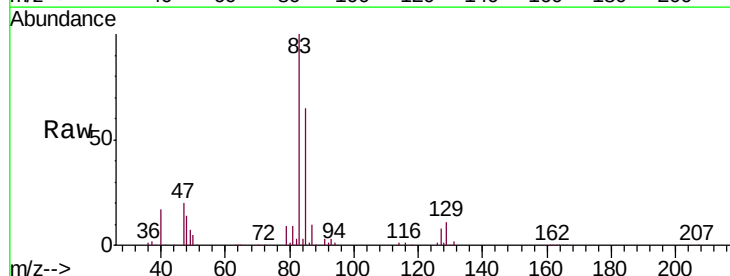
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

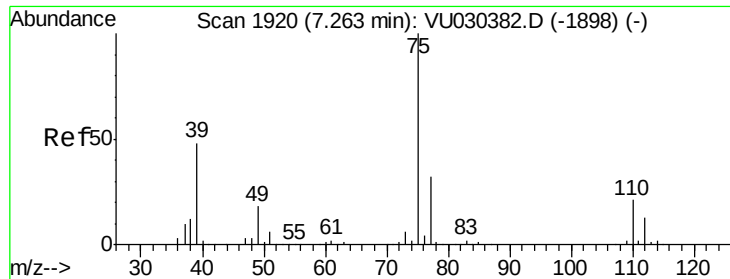
Tgt Ion: 63 Resp: 199859
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.6 4.0



#38
 Bromodichloromethane
 Concen: 49.589 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU030401.D
 Acq: 25 Mar 2019 05:59

Tgt Ion: 83 Resp: 236556
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.0 83.6
 127 7.9 6.6 10.0

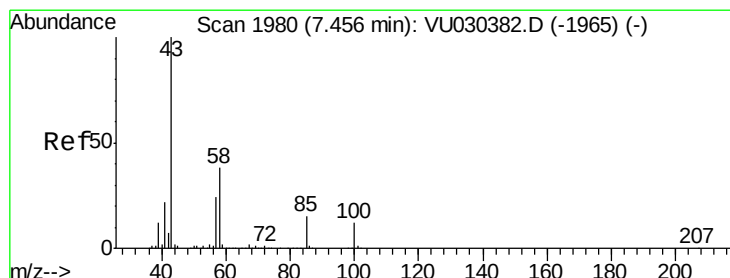
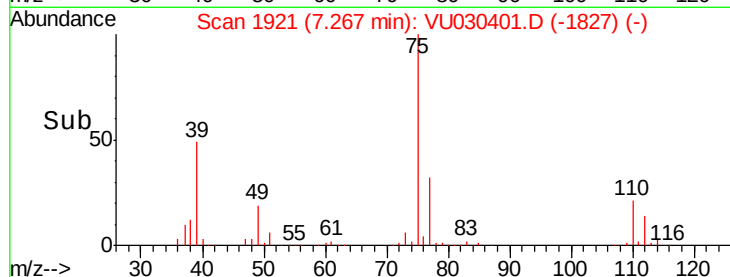
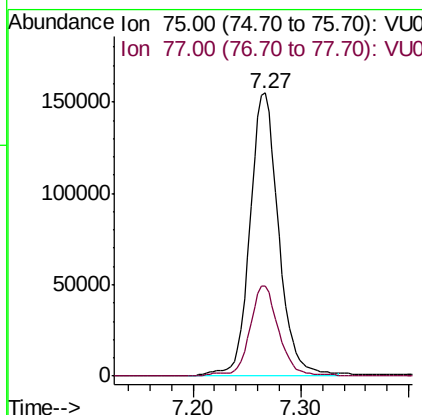
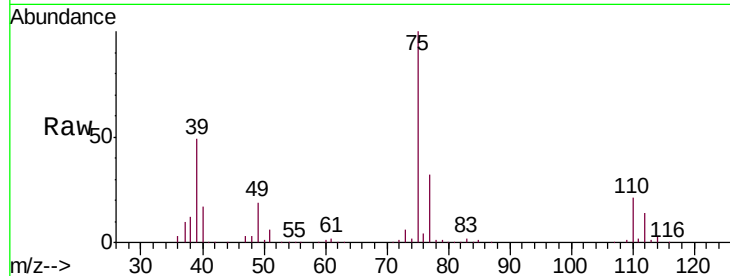




#39
 cis-1,3-Dichloropropene
 Concen: 49.649 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU030401.D
 Acq: 25 Mar 2019 05:59

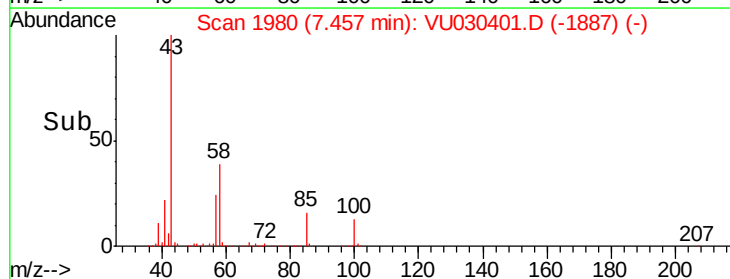
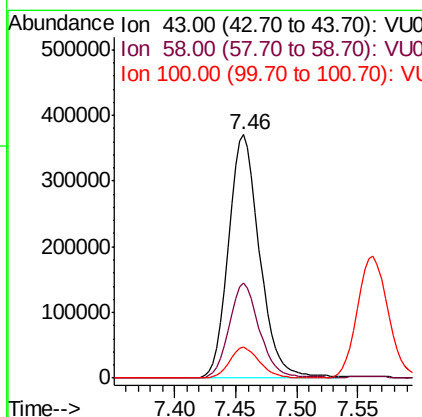
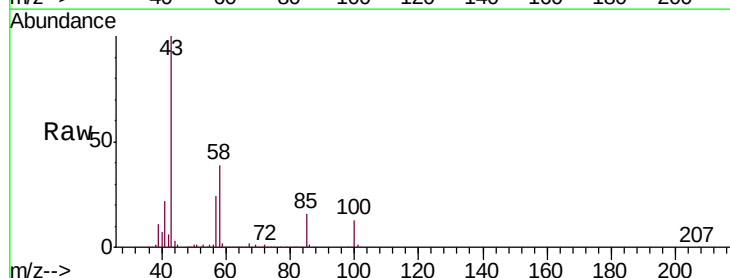
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

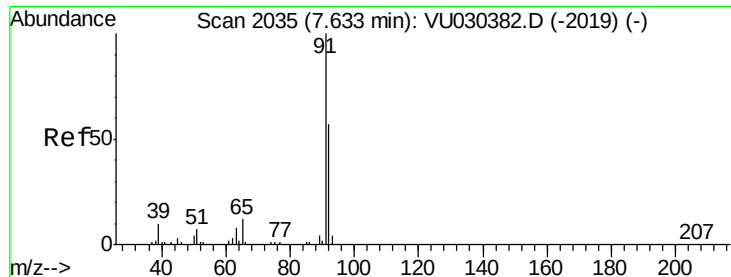
Tgt Ion: 75 Resp: 286507
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 98.096 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU030401.D
 Acq: 25 Mar 2019 05:59

Tgt Ion: 43 Resp: 661520
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.6 45.8
 100 12.3 9.5 14.3





#42

Toluene

Concen: 50.296 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030401.D

Acq: 25 Mar 2019 05:59

Instrument :

MSVOA_U

ClientSampleId :

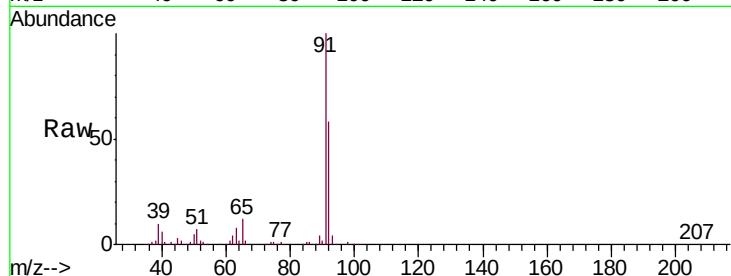
VSTD05059

Tgt Ion: 91 Resp: 738454

Ion Ratio Lower Upper

91 100

92 57.6 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU030401.D (-2017) (-)

Ion 92.00 (91.70 to 92.70): VU030401.D (-2017) (-)

7.63

400000

300000

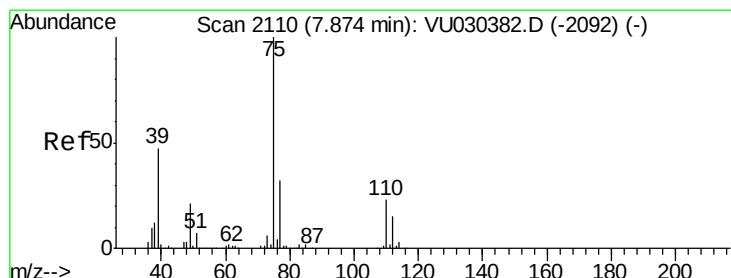
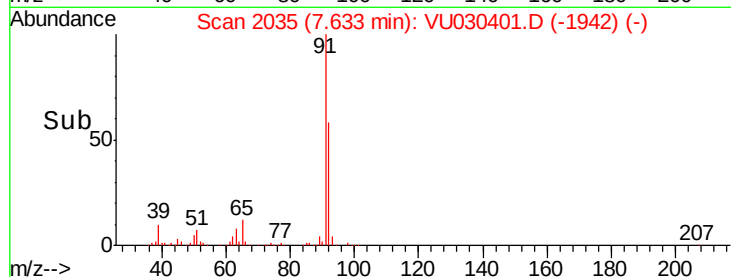
200000

100000

0

7.55 7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.842 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU030401.D

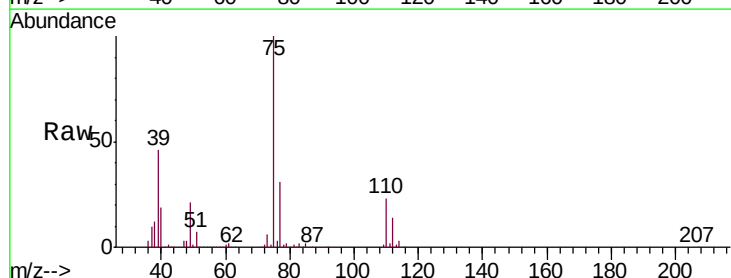
Acq: 25 Mar 2019 05:59

Tgt Ion: 75 Resp: 247996

Ion Ratio Lower Upper

75 100

77 30.6 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU030401.D (-2017) (-)

Ion 77.00 (76.70 to 77.70): VU030401.D (-2017) (-)

7.87

150000

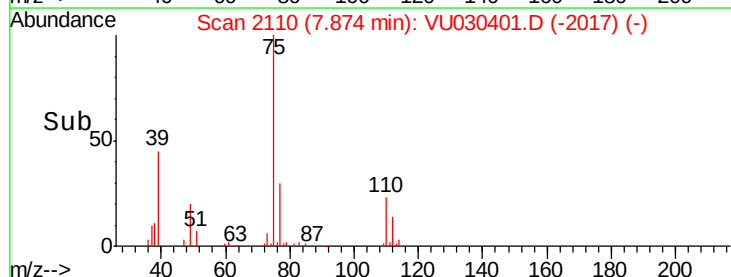
100000

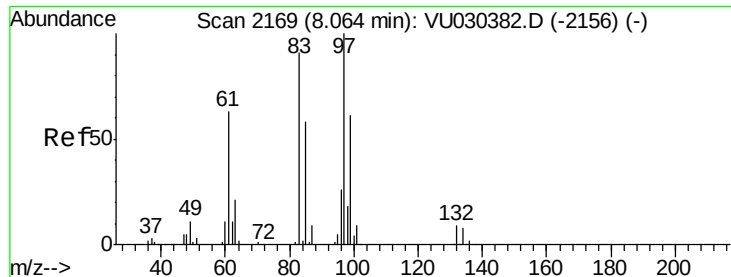
50000

0

7.80 7.90 8.00

Time-->

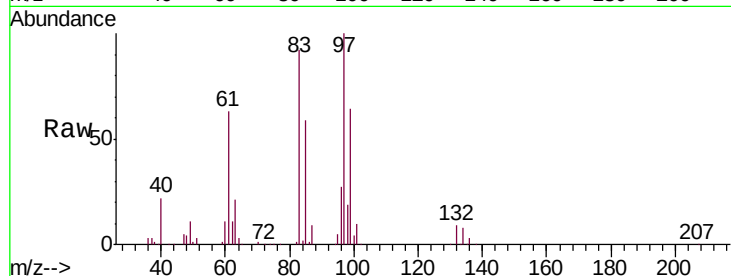




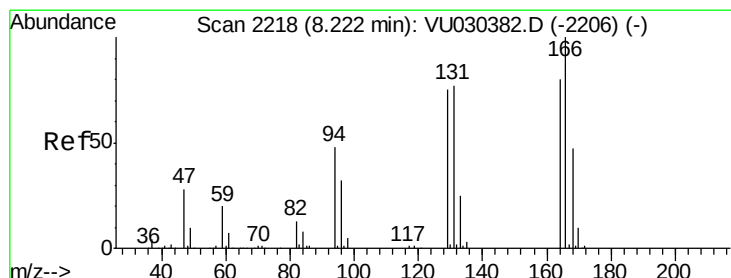
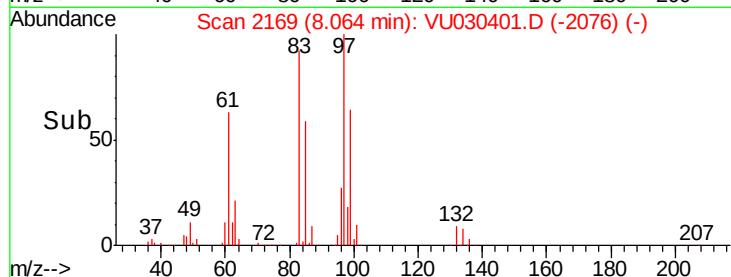
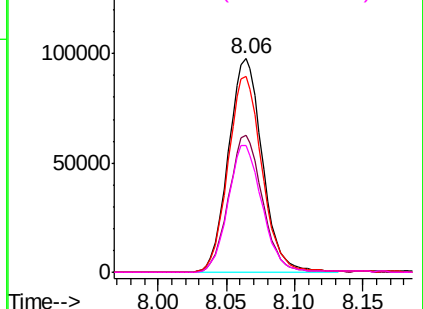
#45
 1,1,2-Trichloroethane
 Concen: 49.874 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU030401.D
 Acq: 25 Mar 2019 05:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

Tgt Ion: 97 Resp: 169182
 Ion Ratio Lower Upper
 97 100
 99 64.4 44.0 81.8
 83 91.6 65.3 121.3
 85 59.2 41.8 77.6

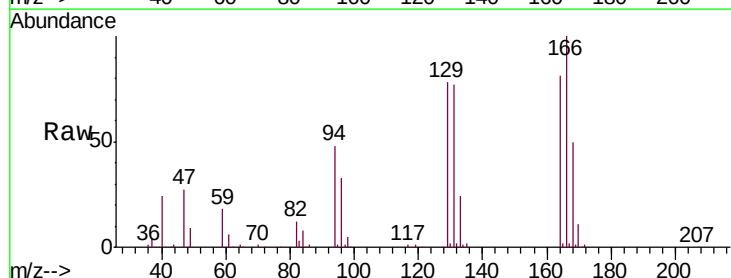


Abundance Ion 97.00 (96.70 to 97.70): VU0
 150000 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

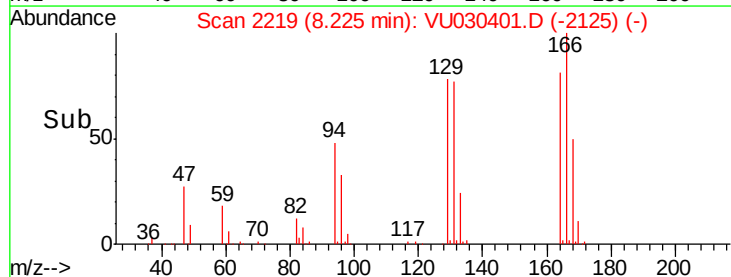
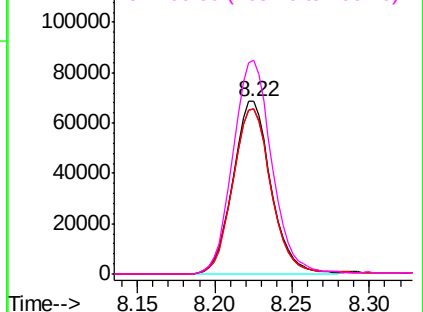


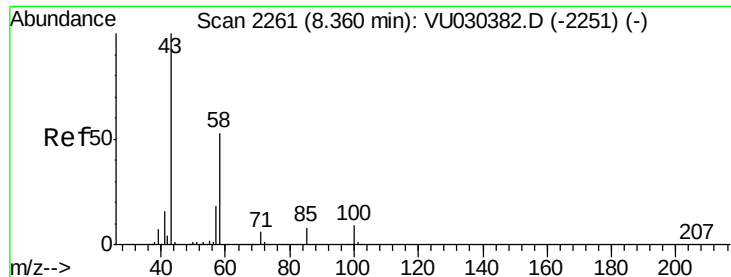
#46
 Tetrachloroethene
 Concen: 48.255 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU030401.D
 Acq: 25 Mar 2019 05:59

Tgt Ion: 164 Resp: 117217
 Ion Ratio Lower Upper
 164 100
 129 96.1 68.1 126.5
 131 95.7 67.7 125.7
 166 123.9 92.4 171.6



Abundance Ion 164.00 (163.70 to 164.70): V
 120000 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

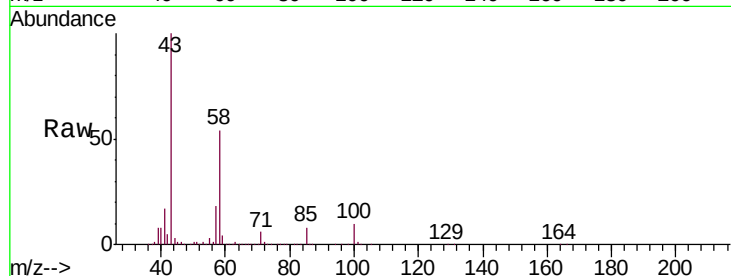




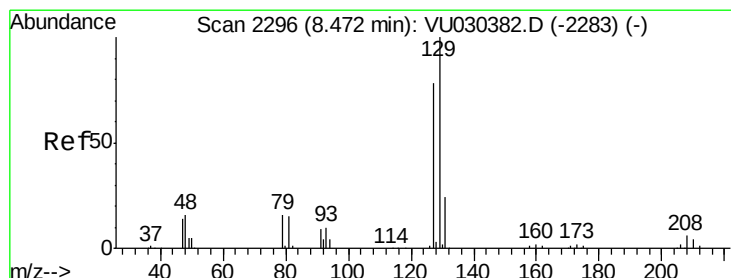
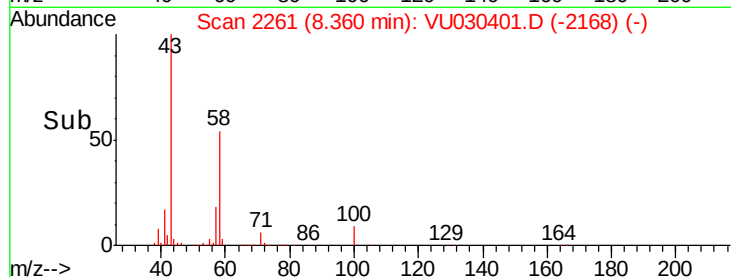
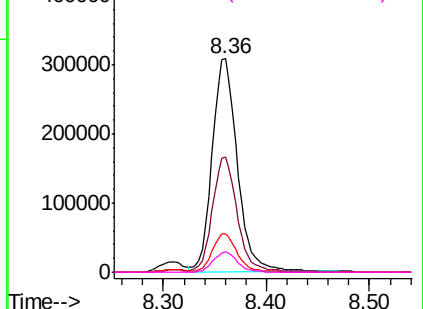
#48
2-Hexanone
Concen: 94.320 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU030401.D
Acq: 25 Mar 2019 05:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion: 43 Resp: 521302
Ion Ratio Lower Upper
43 100
58 53.0 42.5 63.7
57 17.9 15.0 22.6
100 9.5 7.4 11.2

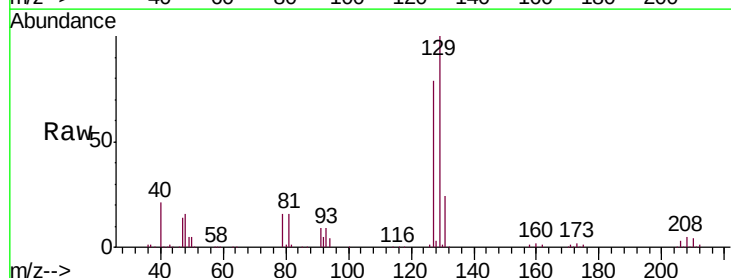


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

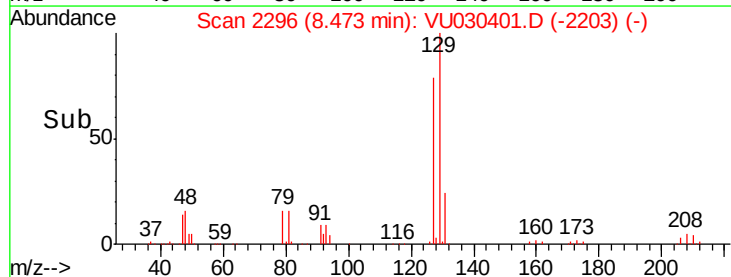
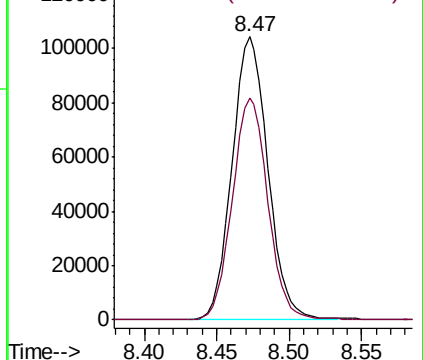


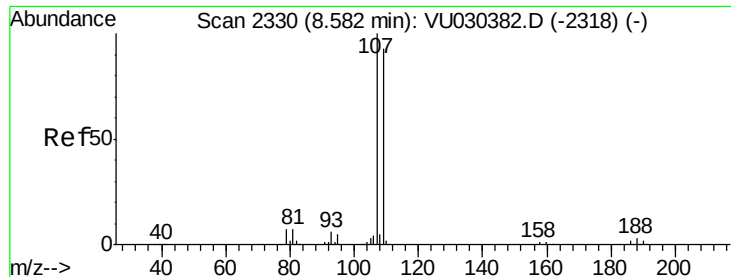
#49
Dibromochloromethane
Concen: 50.857 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030401.D
Acq: 25 Mar 2019 05:59

Tgt Ion: 129 Resp: 179259
Ion Ratio Lower Upper
129 100
127 78.5 53.2 98.8



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

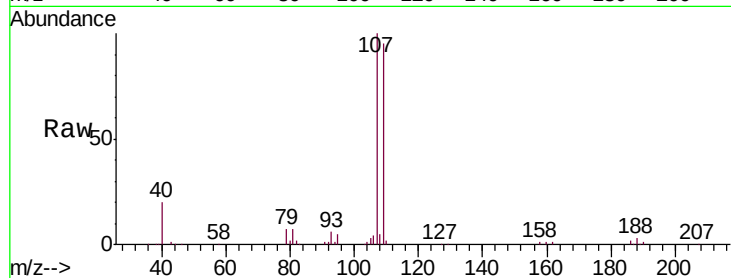




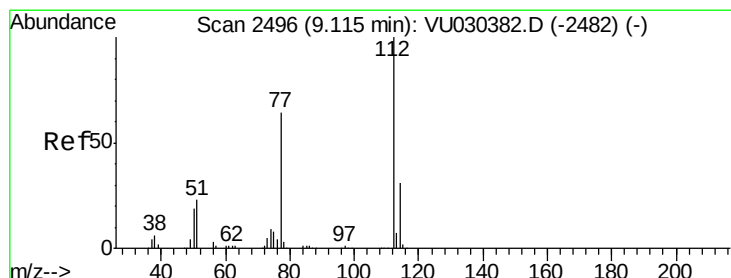
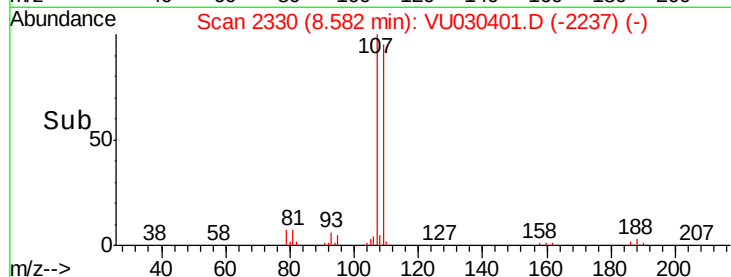
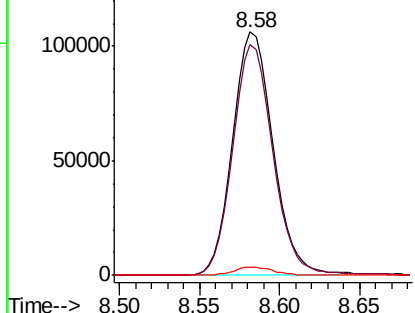
#50
1,2-Dibromoethane
Concen: 50.325 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU030401.D
Acq: 25 Mar 2019 05:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.8	65.8	122.2
188	3.3	2.6	4.0

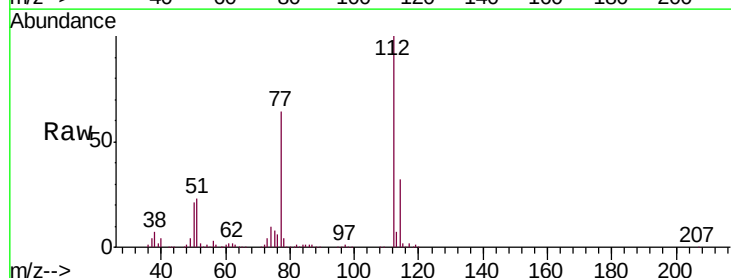


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

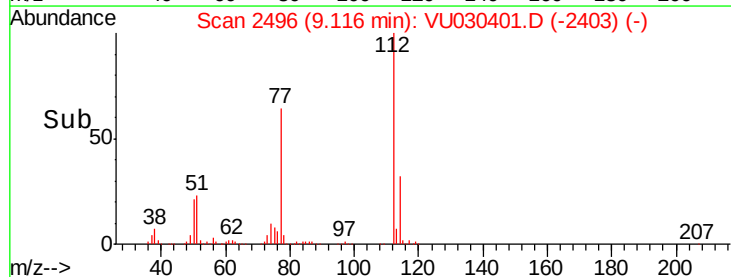
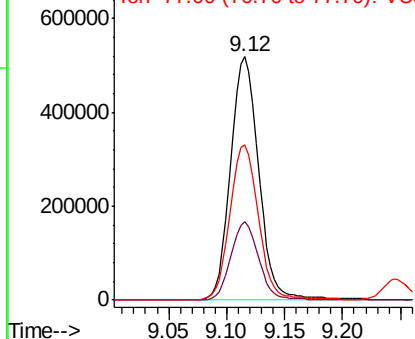


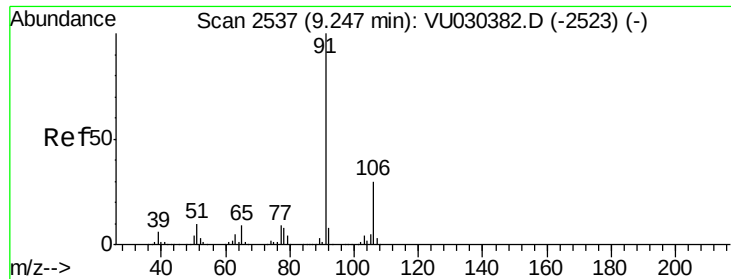
#51
Chlorobenzene
Concen: 97.845 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030401.D
Acq: 25 Mar 2019 05:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	21.5	39.9
77	63.8	51.4	77.0



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): V





#52

Ethylbenzene

Concen: 50.629 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU030401.D

Acq: 25 Mar 2019 05:59

Instrument :

MSVOA_U

ClientSampleId :

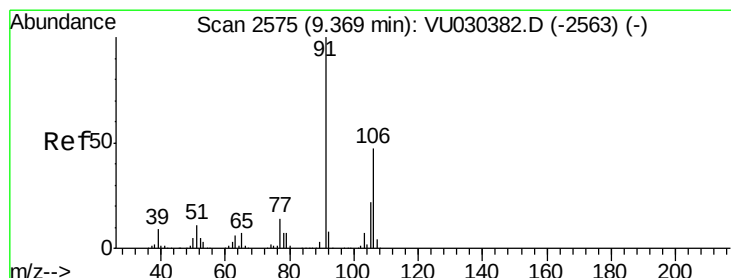
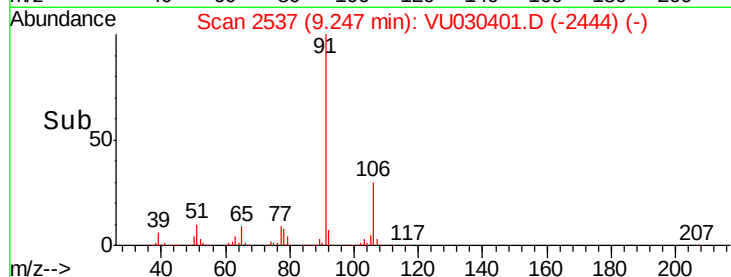
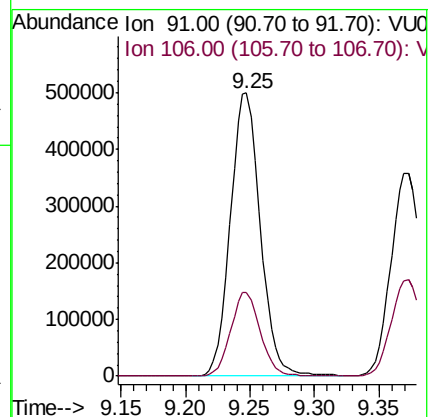
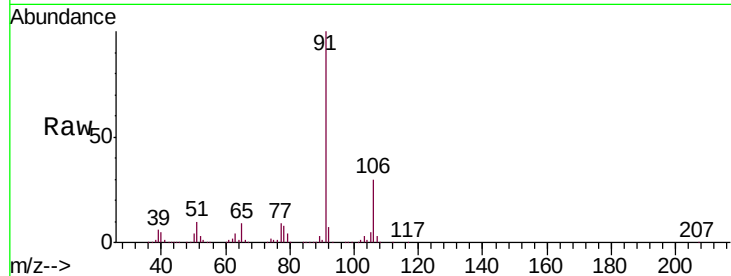
VSTD05059

Tgt Ion: 91 Resp: 805247

Ion Ratio Lower Upper

91 100

106 29.6 20.6 38.2



#53

m,p-Xylene

Concen: 49.897 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030401.D

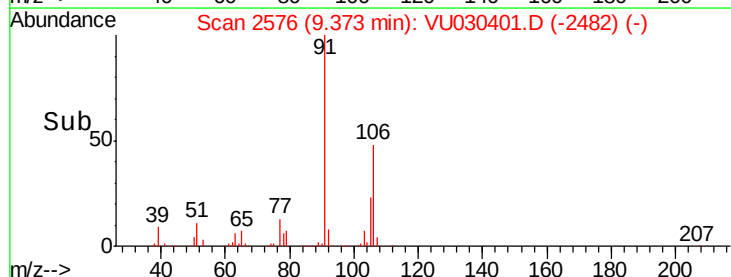
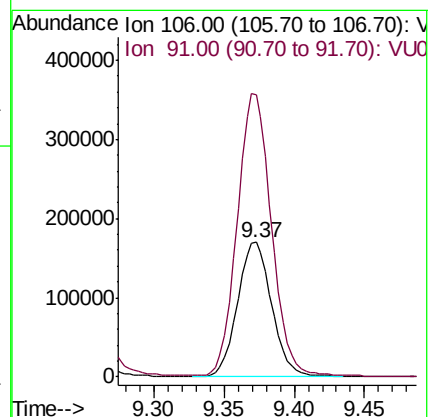
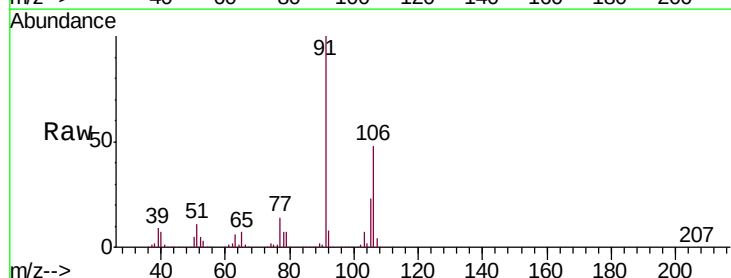
Acq: 25 Mar 2019 05:59

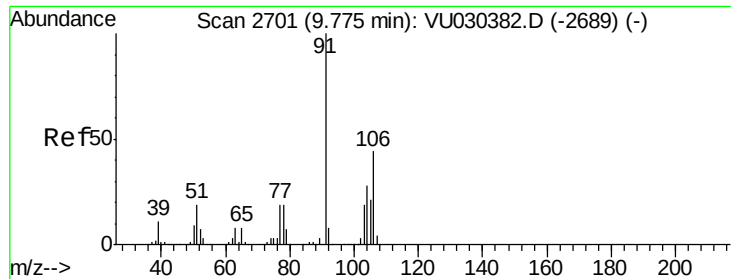
Tgt Ion: 106 Resp: 286547

Ion Ratio Lower Upper

106 100

91 209.7 151.2 280.8





#54

o-xylene

Concen: 51.877 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU030401.D

Acq: 25 Mar 2019 05:59

Instrument :

MSVOA_U

ClientSampleId :

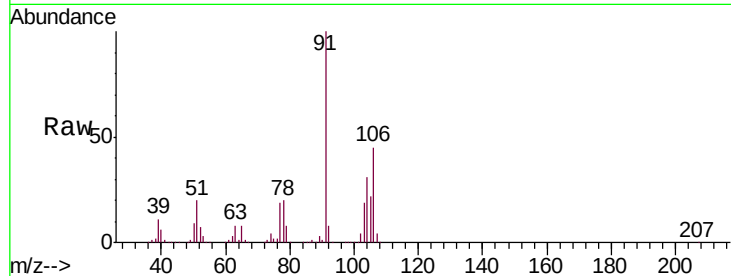
VSTD05059

Tgt Ion:106 Resp: 290690

Ion Ratio Lower Upper

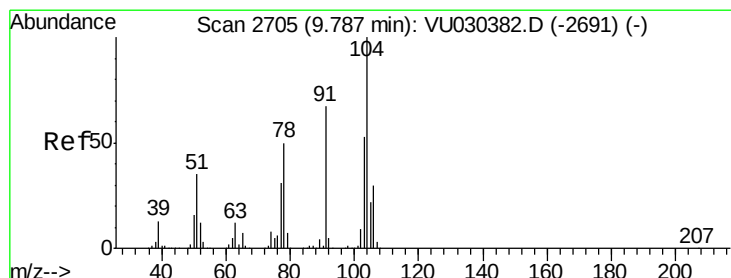
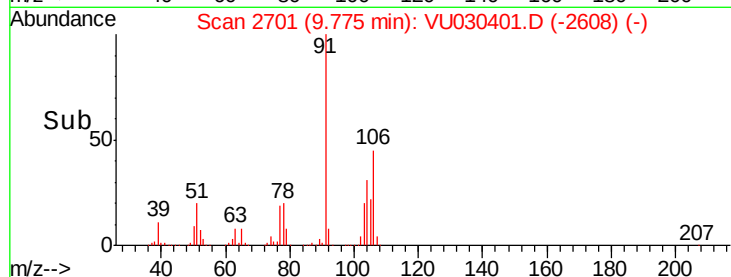
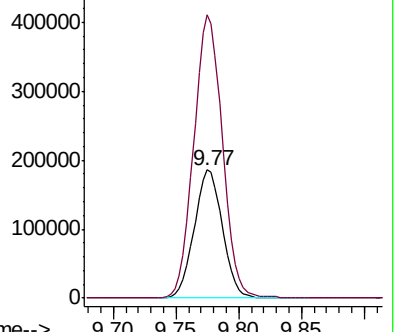
106 100

91 220.8 159.6 296.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.142 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU030401.D

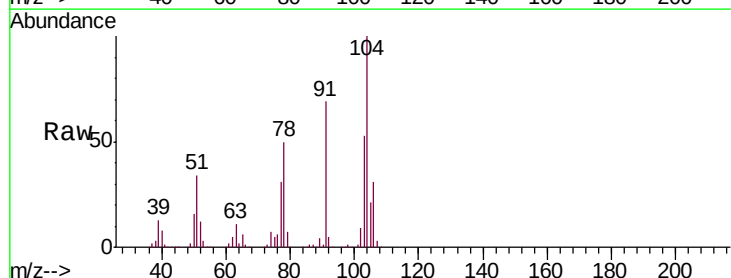
Acq: 25 Mar 2019 05:59

Tgt Ion:104 Resp: 493654

Ion Ratio Lower Upper

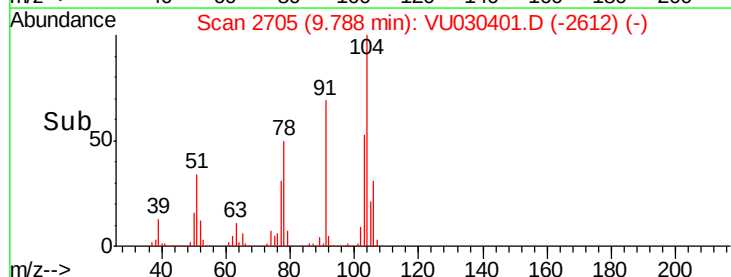
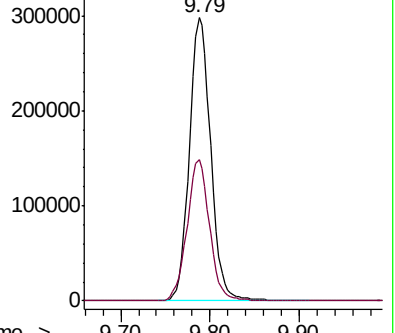
104 100

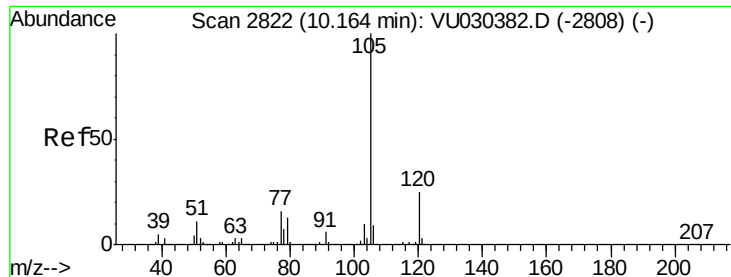
78 49.8 35.1 65.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.171 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030401.D

Acq: 25 Mar 2019 05:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

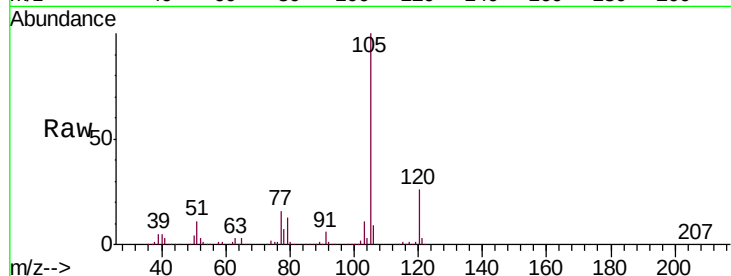
Tgt Ion: 105 Resp: 744402

Ion Ratio Lower Upper

105 100

120 25.6 20.2 30.2

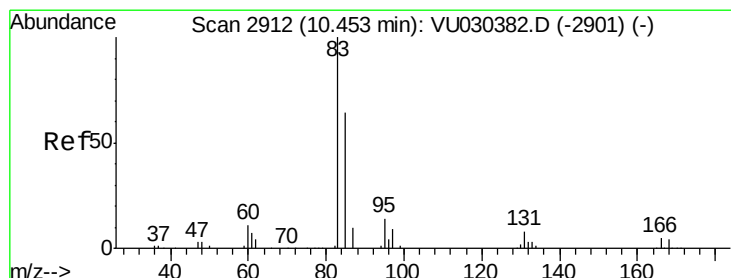
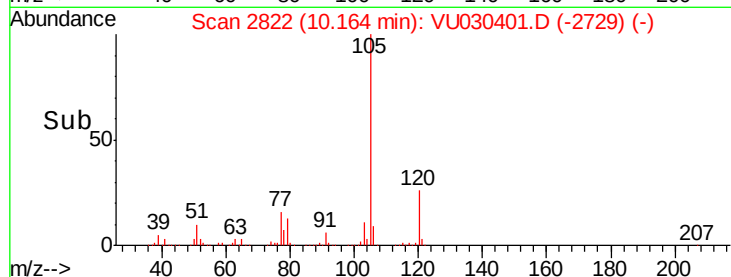
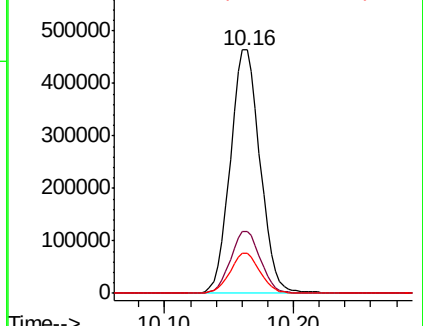
77 16.5 13.2 19.8



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: 49.005 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030401.D

Acq: 25 Mar 2019 05:59

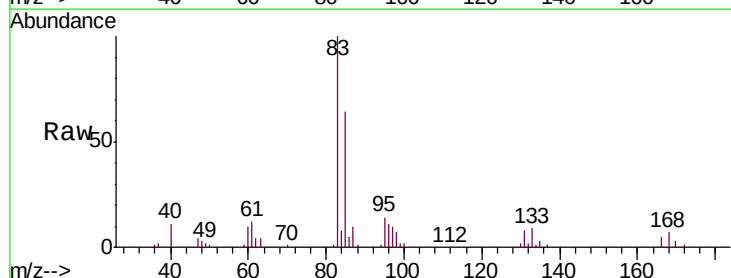
Tgt Ion: 83 Resp: 306379

Ion Ratio Lower Upper

83 100

85 63.7 44.3 82.3

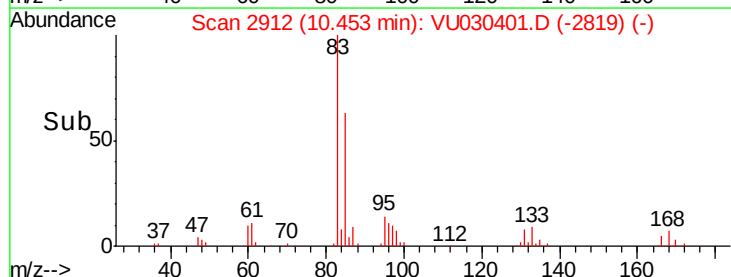
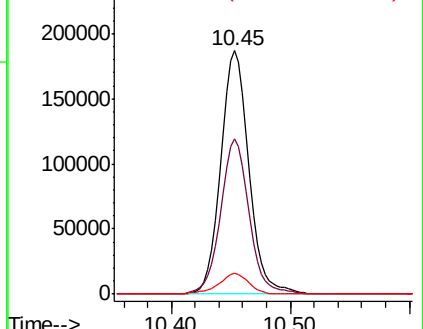
131 8.5 6.7 10.1

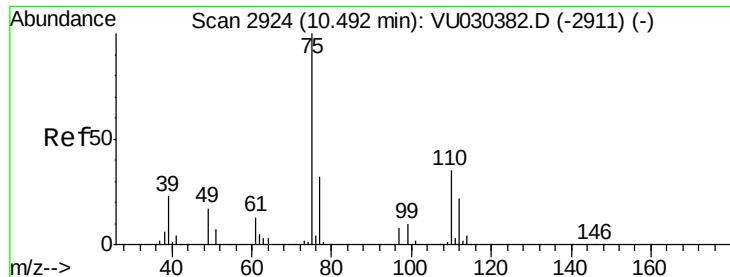


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.376 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU030401.D

Acq: 25 Mar 2019 05:59

Instrument :

MSVOA_U

ClientSampleId :

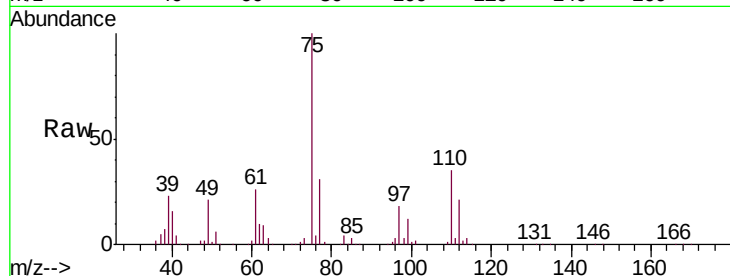
VSTD05059

Tgt Ion: 75 Resp: 241290

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU030382.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU030382.D (-2911) (-)

10.49

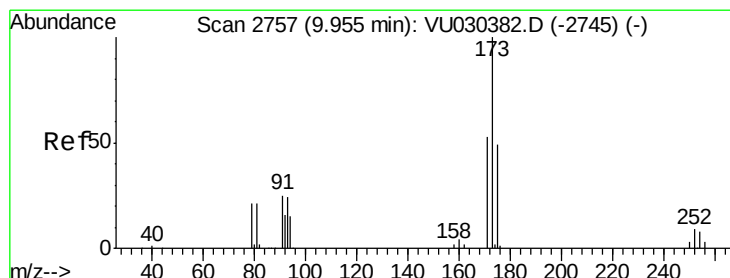
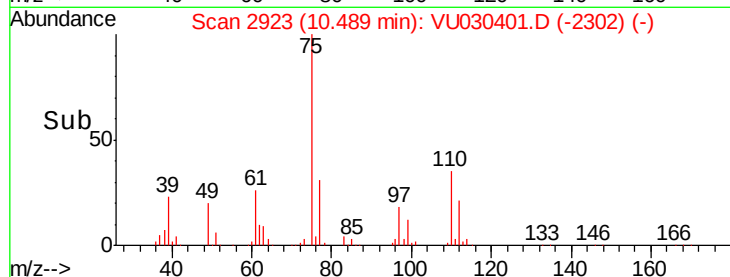
150000

100000

50000

0

Time--> 10.40 10.50



#61

Bromoform

Concen: 53.121 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU030401.D

Acq: 25 Mar 2019 05:59

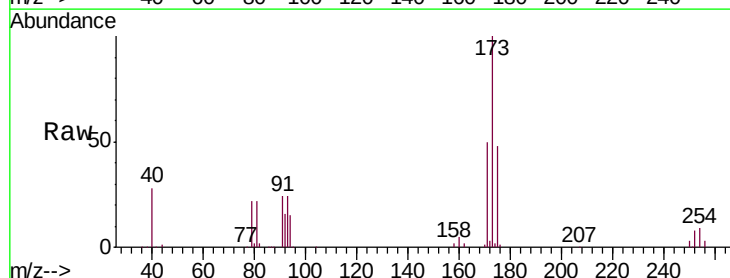
Tgt Ion: 173 Resp: 132239

Ion Ratio Lower Upper

173 100

175 47.1 38.5 57.7

254 8.4 6.8 10.2



Abundance Ion 173.00 (172.70 to 173.70): VU030382.D (-2745) (-)

Ion 175.00 (174.70 to 175.70): VU030382.D (-2745) (-)

Ion 254.00 (253.70 to 254.70): VU030382.D (-2745) (-)

9.95

100000

80000

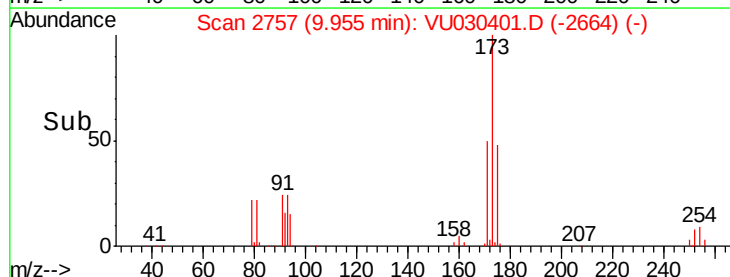
60000

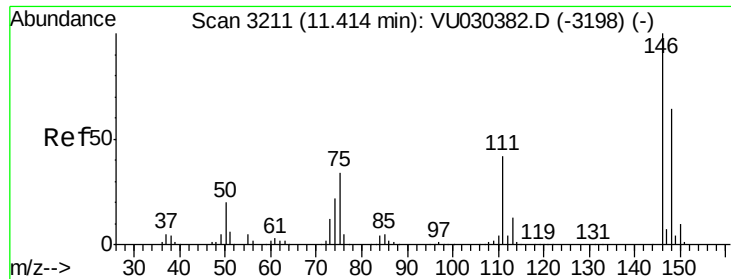
40000

20000

0

Time--> 9.90 10.00 10.10

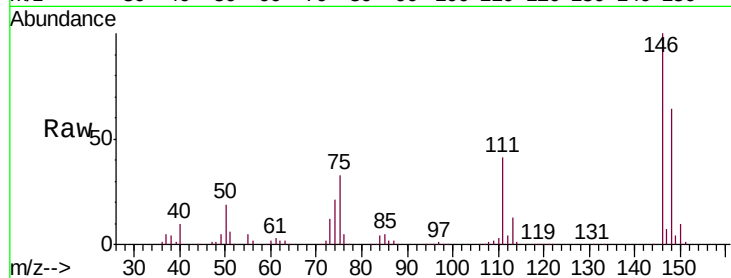




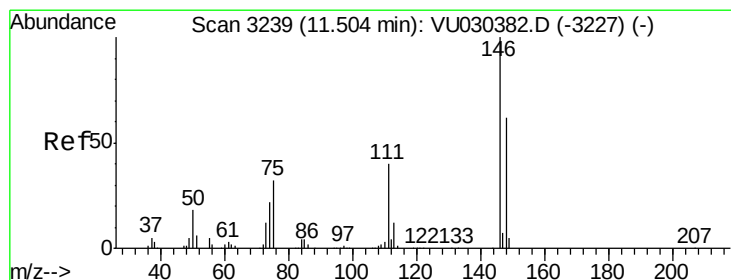
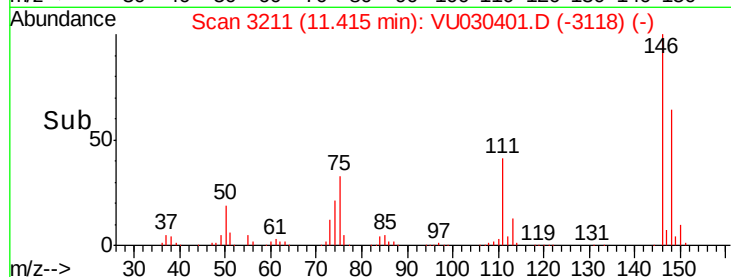
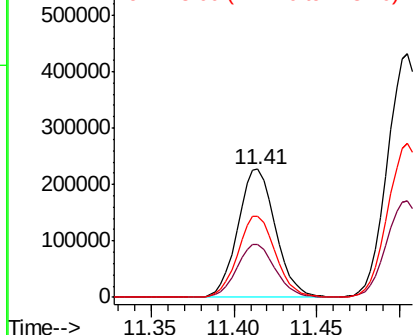
#62
 1,3-Dichlorobenzene
 Concen: 58.740 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU030401.D
 Acq: 25 Mar 2019 05:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

Tgt Ion:146 Resp: 359666
 Ion Ratio Lower Upper
 146 100
 111 41.4 29.2 54.2
 148 63.8 44.4 82.4

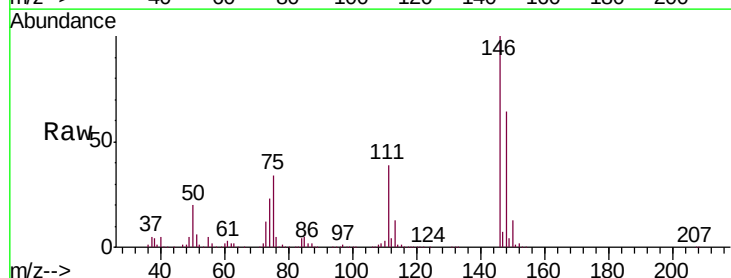


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

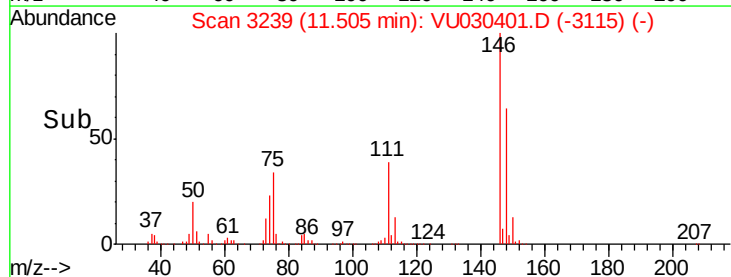
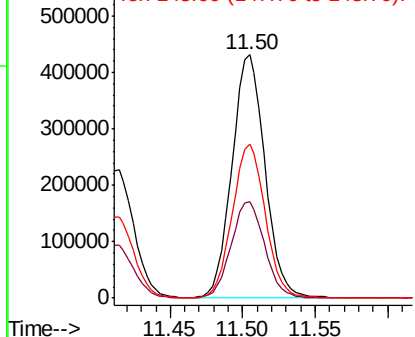


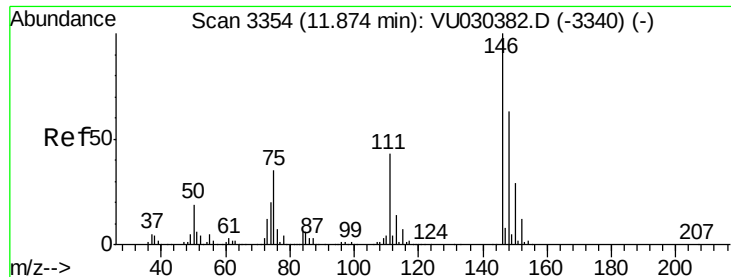
#63
 1,4-Dichlorobenzene
 Concen: 107.518 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030401.D
 Acq: 25 Mar 2019 05:59

Tgt Ion:146 Resp: 677744
 Ion Ratio Lower Upper
 146 100
 111 39.4 28.7 53.3
 148 63.5 44.3 82.3



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

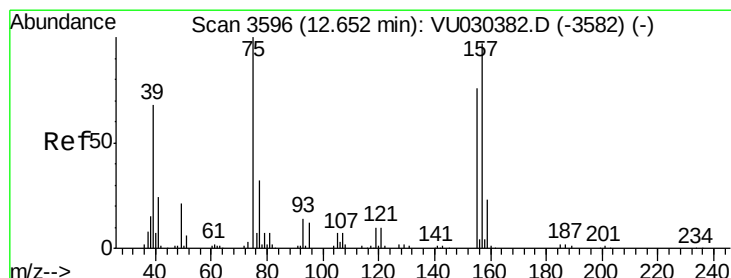
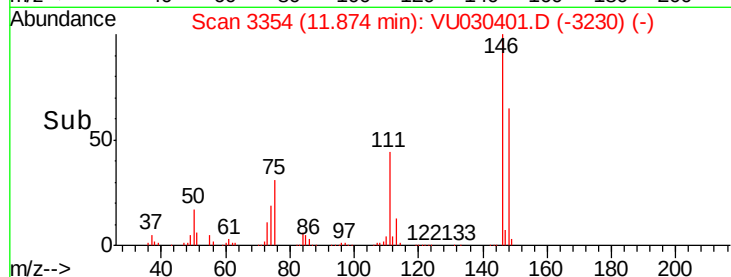
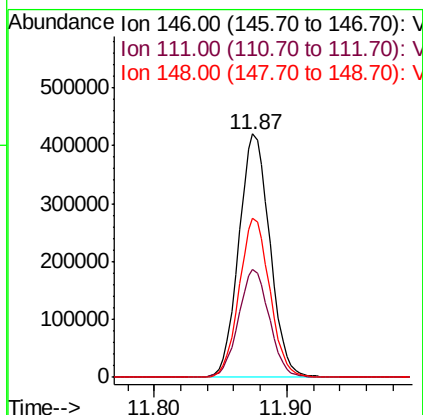
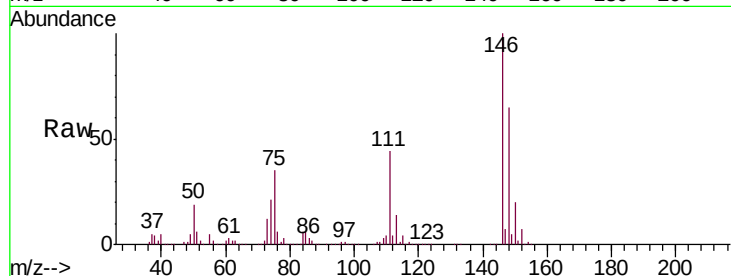




#65
 1,2-Dichlorobenzene
 Concen: 110.075 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030401.D
 Acq: 25 Mar 2019 05:59

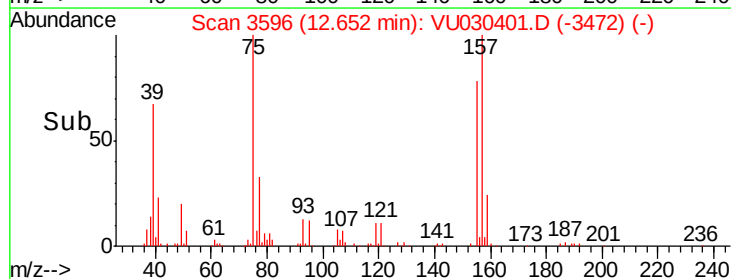
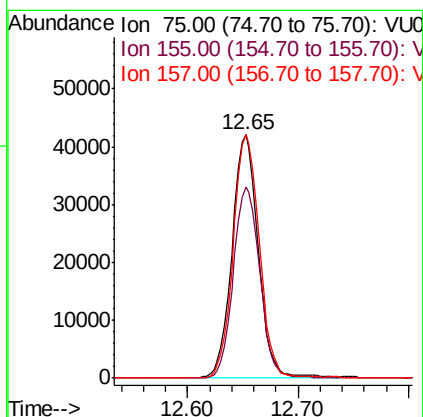
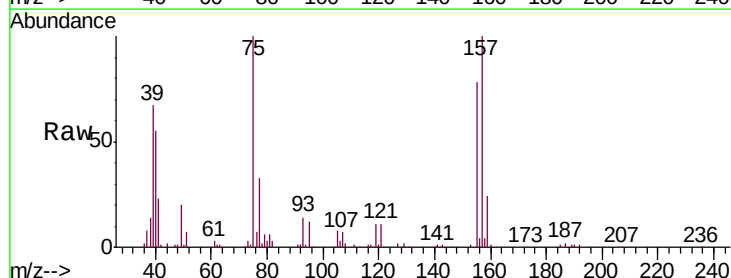
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

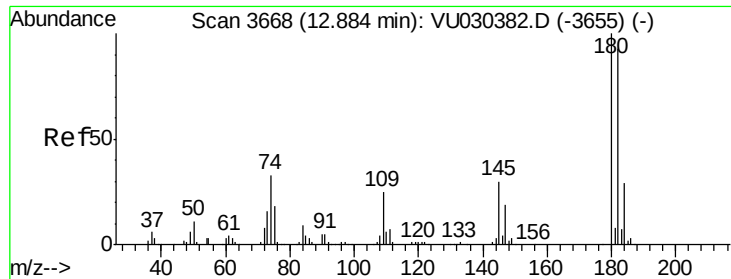
Tgt Ion:146 Resp: 681518
 Ion Ratio Lower Upper
 146 100
 111 44.4 34.9 52.3
 148 65.4 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.467 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU030401.D
 Acq: 25 Mar 2019 05:59

Tgt Ion: 75 Resp: 69573
 Ion Ratio Lower Upper
 75 100
 155 78.2 61.8 92.6
 157 99.8 80.2 120.4

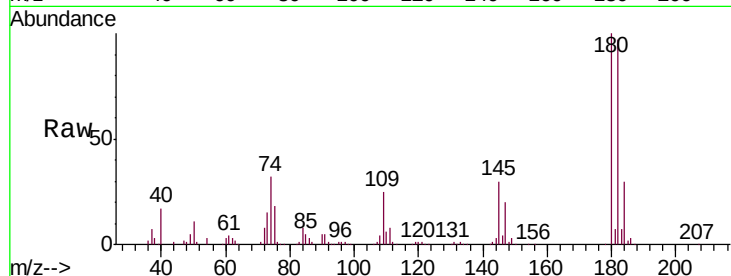




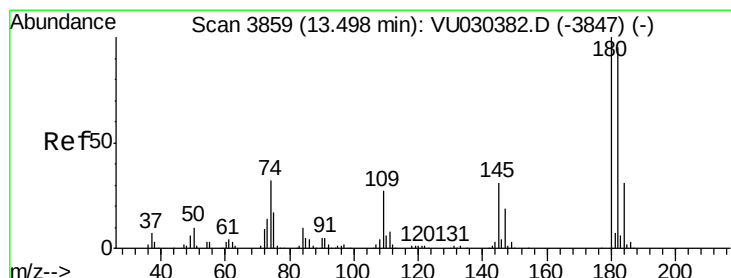
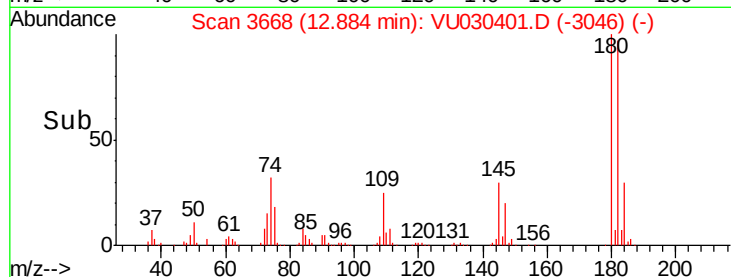
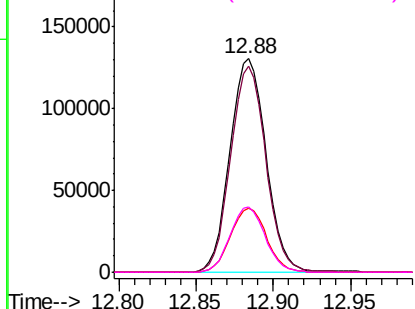
#67
 1,3,5-Trichlorobenzene
 Concen: 46.114 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU030401.D
 Acq: 25 Mar 2019 05:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

Tgt Ion:	180	Resp:	211382
Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.9	113.9
184	29.8	24.1	36.1
145	29.6	23.8	35.8

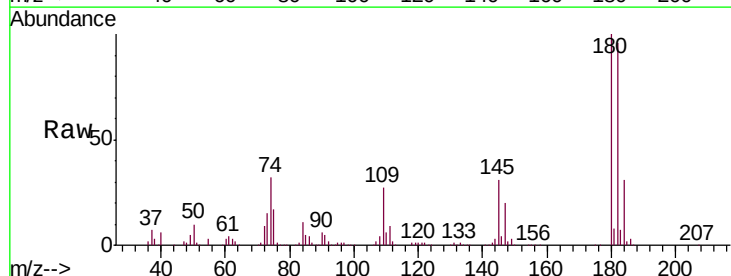


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

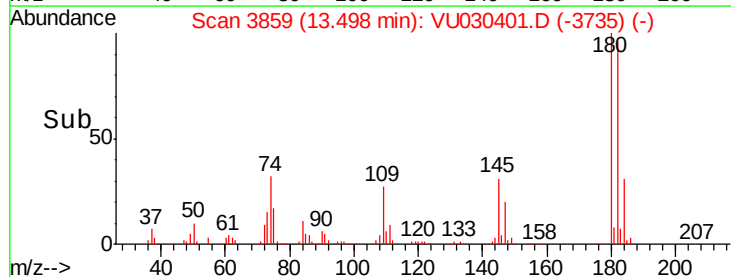
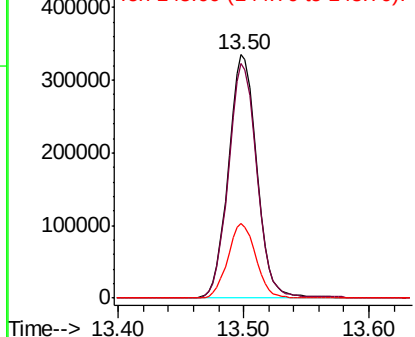


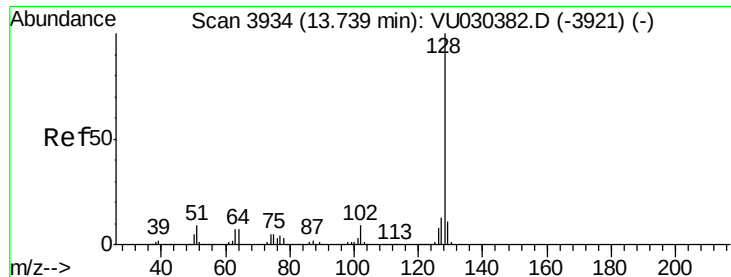
#68
 1,2,4-trichlorobenzene
 Concen: 132.267 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU030401.D
 Acq: 25 Mar 2019 05:59

Tgt Ion:	180	Resp:	526793
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.1	114.1
145	30.3	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: 45.242 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU030401.D

Acq: 25 Mar 2019 05:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

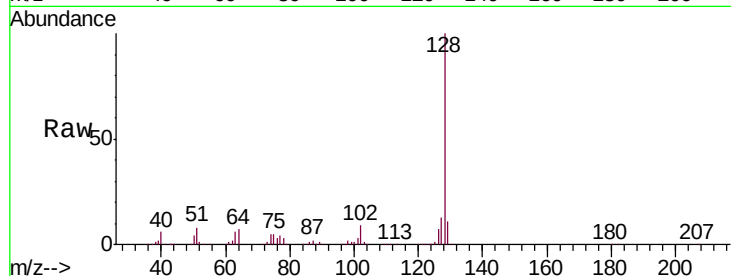
Tgt Ion:128 Resp: 640729

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

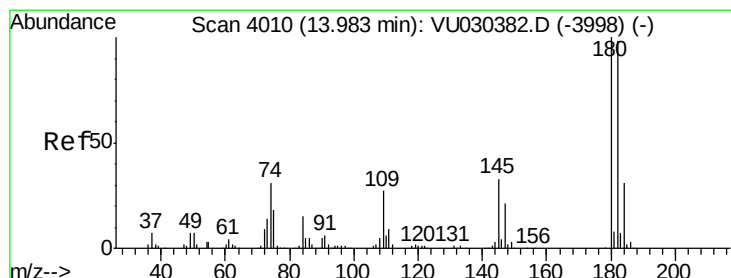
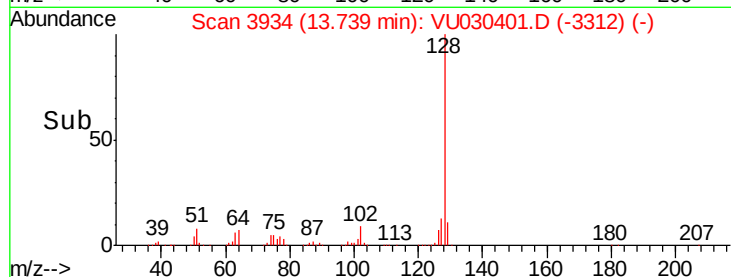
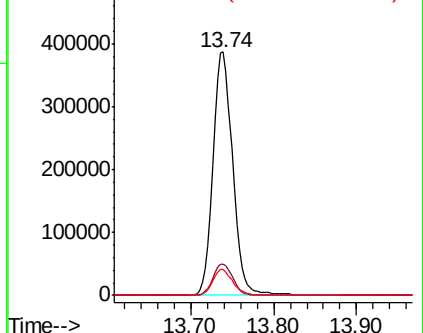
129 10.6 8.4 12.6



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: 71.563 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030401.D

Acq: 25 Mar 2019 05:59

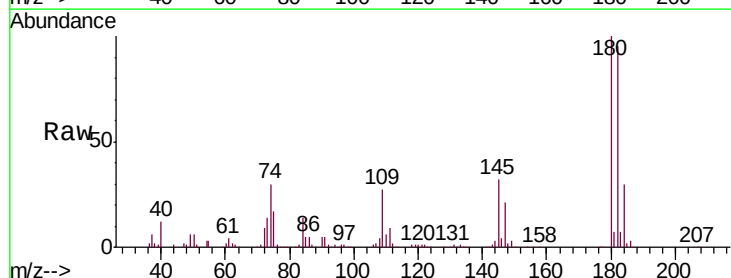
Tgt Ion:180 Resp: 300969

Ion Ratio Lower Upper

180 100

182 95.0 77.4 116.2

145 32.1 25.9 38.9



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

