

Data File : VU030382.D
Acq On : 24 Mar 2019 20:36
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

Quant Time: Mar 25 03:27:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 03:20:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	429856	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	407407	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	192328	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	133003	38.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.90%
7) Chloroethane-d5	1.65	69	112404	40.99	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.98%
11) 1,1-Dichloroethene-d2	2.26	63	277606	42.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.60%
21) 2-Butanone-d5	4.17	46	312191	96.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.00%
24) Chloroform-d	4.64	84	278086	46.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.32%
26) 1,2-Dichloroethane-d4	5.30	65	178392	45.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.48%
32) Benzene-d6	5.33	84	541107	46.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.62%
36) 1,2-Dichloropropane-d6	6.32	67	194852	48.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.50%
41) Toluene-d8	7.56	98	492493	46.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.88%
43) trans-1,3-Dichloropropene-	7.85	79	88167	46.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.82%
47) 2-Hexanone-d5	8.31	63	226285	104.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.46%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	294233	51.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.88%
64) 1,2-Dichlorobenzene-d4	11.85	152	190191	49.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.70%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	223992	47.228 ug/L	100
3) Chloromethane	1.32	50	258758	48.782 ug/L	99
5) Vinyl chloride	1.40	62	239497	47.614 ug/L	100
6) Bromomethane	1.60	94	105564	45.749 ug/L	100
8) Chloroethane	1.67	64	136010	47.897 ug/L	99
9) Trichlorofluoromethane	1.87	101	260100	47.419 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	145450	46.362 ug/L	99
12) 1,1-Dichloroethene	2.27	96	141764	46.095 ug/L	95
13) Acetone	2.32	43	209106	63.582 ug/L	97
14) Carbon disulfide	2.47	76	469554	46.176 ug/L	100
15) Methyl Acetate	2.61	43	236715	47.006 ug/L #	100
16) Methylene chloride	2.69	84	179295	49.452 ug/L	99
17) trans-1,2-Dichloroethene	2.97	96	152259	47.189 ug/L	97
18) Methyl tert-butyl Ether	3.00	73	525571	49.256 ug/L	99
19) 1,1-Dichloroethane	3.44	63	322064	48.652 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	172674	47.718 ug/L	98
22) 2-Butanone	4.26	43	343850	86.499 ug/L	99

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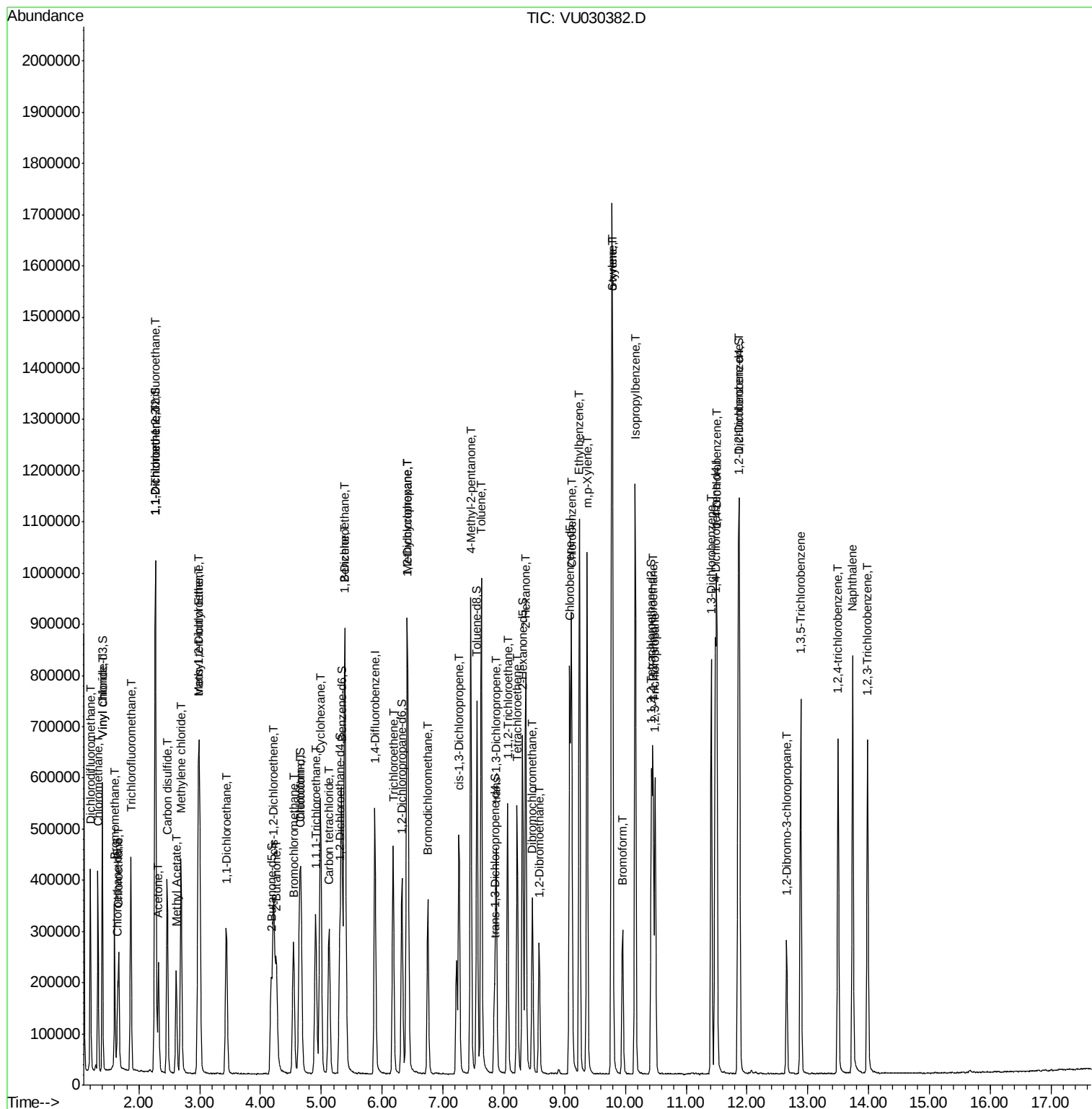
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	82501	49.052	ug/L	90
25) Chloroform	4.67	83	300116	47.683	ug/L	99
27) 1,2-Dichloroethane	5.40	62	237375	48.063	ug/L	99
29) Cyclohexane	4.99	56	309355	50.176	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	244778	49.068	ug/L	99
31) Carbon tetrachloride	5.13	117	208878	49.400	ug/L	97
33) Benzene	5.38	78	696891	50.250	ug/L	100
34) Trichloroethene	6.18	95	162415	47.639	ug/L	99
35) Methylcyclohexane	6.41	83	267009	47.593	ug/L	99
37) 1,2-Dichloropropane	6.43	63	194646	49.456	ug/L	100
38) Bromodichloromethane	6.75	83	227434	48.634	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	281749	49.805	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	651275	98.516	ug/L	99
42) Toluene	7.63	91	718837	49.943	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	246558	49.534	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	164657	49.514	ug/L	97
46) Tetrachloroethene	8.22	164	117591	49.381	ug/L	96
48) 2-Hexanone	8.36	43	521082	96.173	ug/L	99
49) Dibromochloromethane	8.47	129	173651	50.255	ug/L	98
50) 1,2-Dibromoethane	8.58	107	176539	49.466	ug/L	99
51) Chlorobenzene	9.12	112	457604	52.458	ug/L	99
52) Ethylbenzene	9.25	91	767941	49.253	ug/L	98
53) m,p-Xylene	9.37	106	276775	49.163	ug/L	97
54) o-xylene	9.77	106	282441	51.417	ug/L	98
55) Styrene	9.79	104	483303	51.075	ug/L	99
56) Isopropylbenzene	10.16	105	734465	50.495	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	313952	51.225	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	240203	50.141	ug/L	99
61) Bromoform	9.95	173	131757	51.526	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	313847	49.899	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	347772	53.710	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	359613	56.544	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	69243	48.897	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	224658	47.712	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	200822	49.087	ug/L	99
69) Naphthalene	13.74	128	635264	43.668	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	201857	46.725	ug/L	100

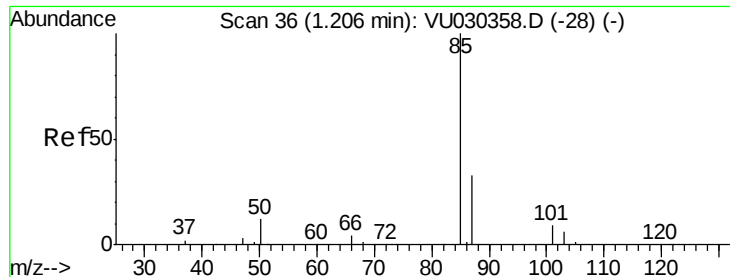
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.228 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

Instrument :

MSVOA_U

ClientSampleId :

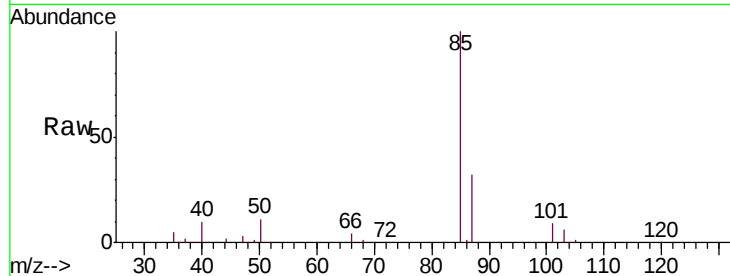
VSTD05058

Tgt Ion: 85 Resp: 223992

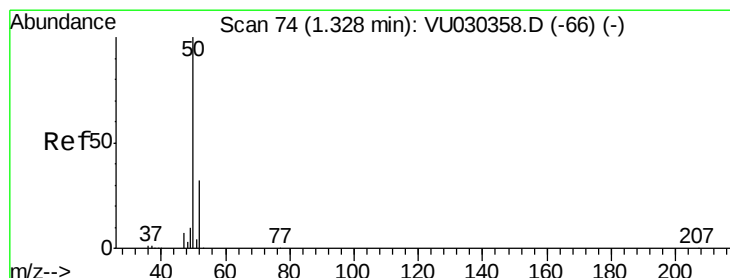
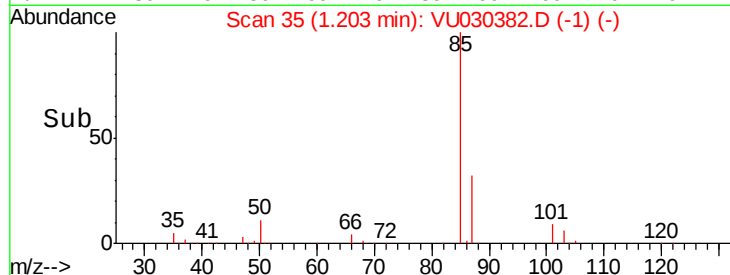
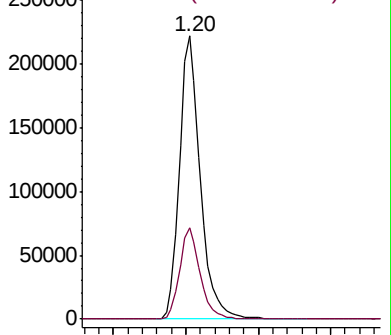
Ion Ratio Lower Upper

85 100

87 31.7 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU030382.D (-1) (-)



#3

Chloromethane

Concen: 48.782 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU030382.D

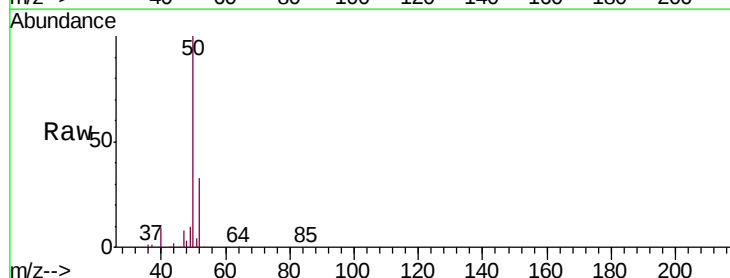
Acq: 24 Mar 2019 20:36

Tgt Ion: 50 Resp: 258758

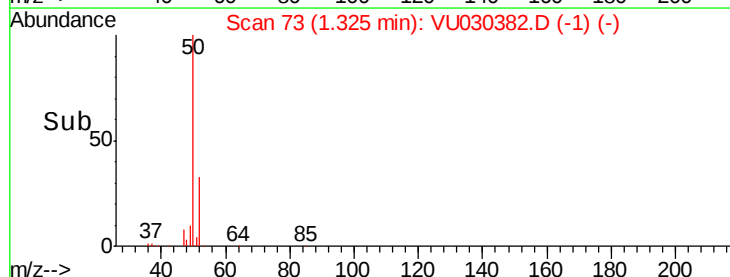
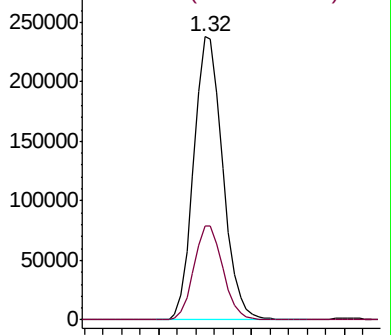
Ion Ratio Lower Upper

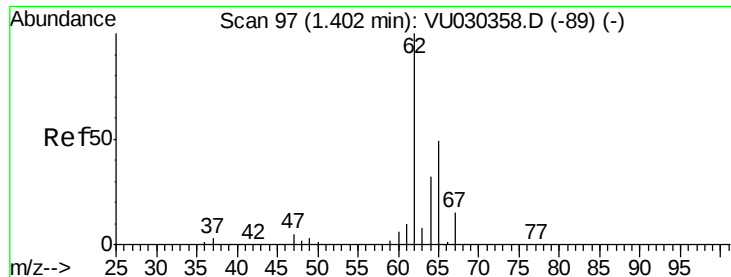
50 100

52 33.3 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU030382.D (-1) (-)





#5

Vinyl chloride

Concen: 47.614 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

Instrument :

MSVOA_U

ClientSampleId :

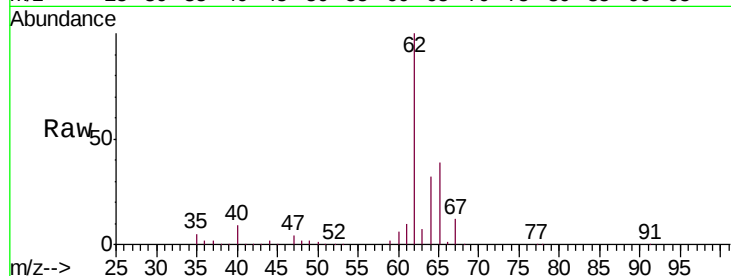
VSTD05058

Tgt Ion: 62 Resp: 239497

Ion Ratio Lower Upper

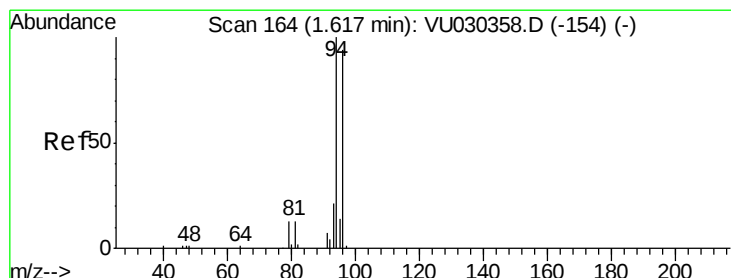
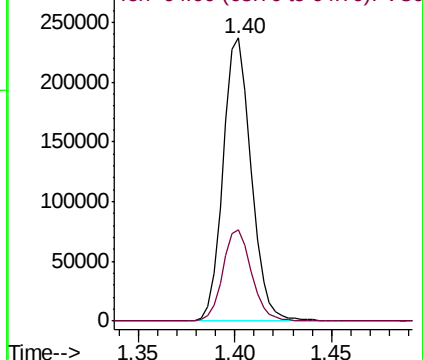
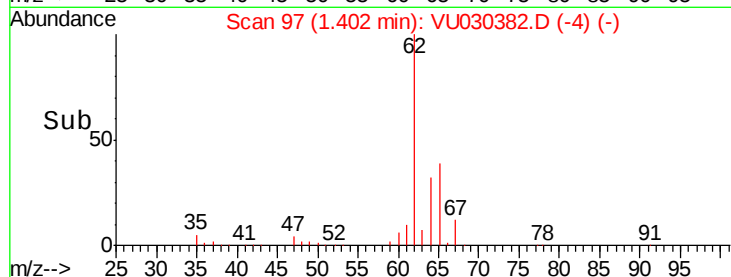
62 100

64 32.4 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU030382.D (-4) (-)

Ion 64.00 (63.70 to 64.70): VU030382.D (-4) (-)



#6

Bromomethane

Concen: 45.749 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.02 min

Lab File: VU030382.D

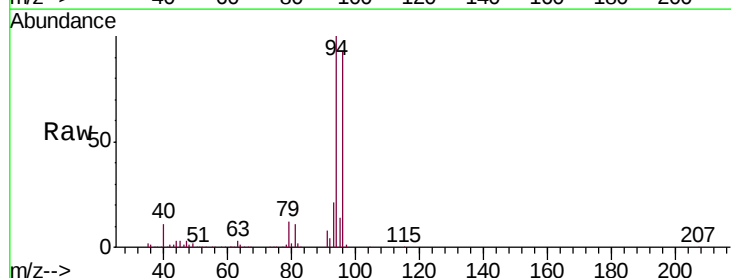
Acq: 24 Mar 2019 20:36

Tgt Ion: 94 Resp: 105564

Ion Ratio Lower Upper

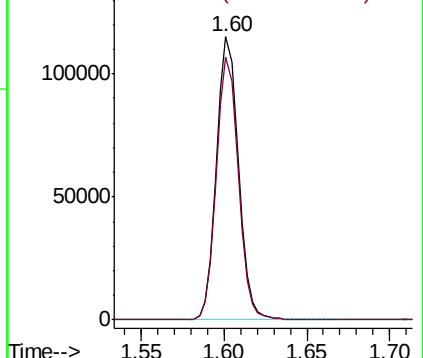
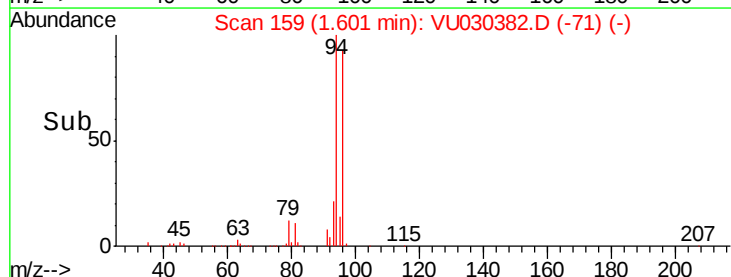
94 100

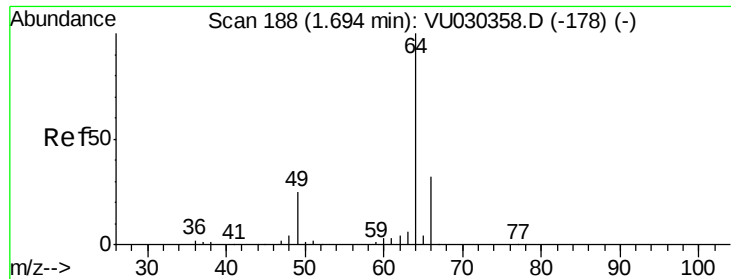
96 92.7 64.8 120.3



Abundance Ion 94.00 (93.70 to 94.70): VU030382.D (-71) (-)

Ion 96.00 (95.70 to 96.70): VU030382.D (-71) (-)





#8

Chloroethane

Concen: 47.897 ug/L

RT: 1.67 min Scan# 180

Delta R.T. -0.03 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

Instrument :

MSVOA_U

ClientSampleId :

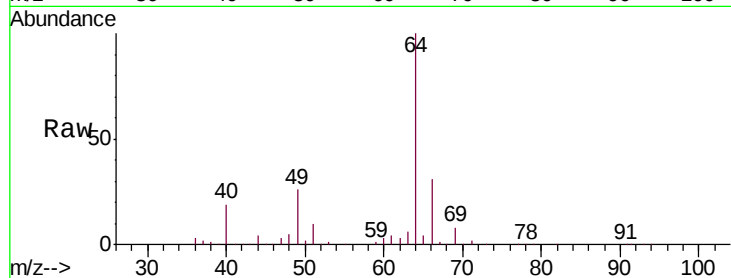
VSTD05058

Tgt Ion: 64 Resp: 136010

Ion Ratio Lower Upper

64 100

66 31.3 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU030382.D (-64) (-)

Ion 66.00 (65.70 to 66.70): VU030382.D (-66) (-)

1.67

120000

100000

80000

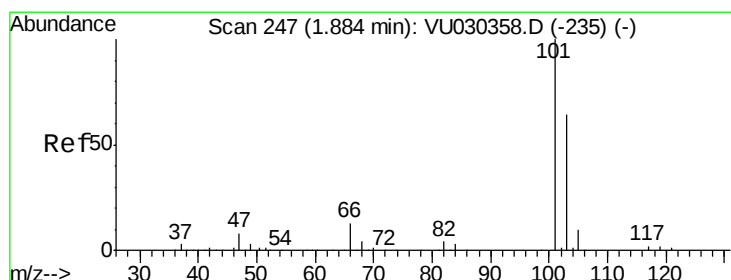
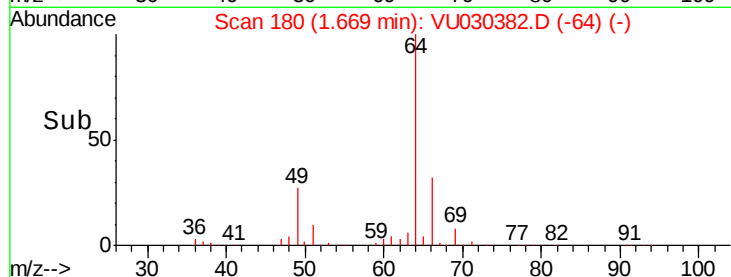
60000

40000

20000

0

Time--> 1.60 1.65 1.70 1.75



#9

Trichlorofluoromethane

Concen: 47.419 ug/L

RT: 1.87 min Scan# 242

Delta R.T. -0.02 min

Lab File: VU030382.D

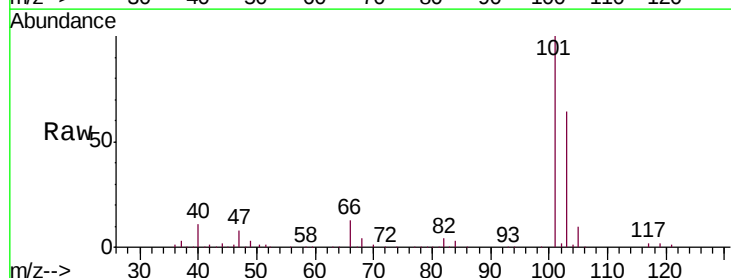
Acq: 24 Mar 2019 20:36

Tgt Ion: 101 Resp: 260100

Ion Ratio Lower Upper

101 100

103 63.3 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU030382.D (-101) (-)

Ion 103.00 (102.70 to 103.70): VU030382.D (-103) (-)

1.87

200000

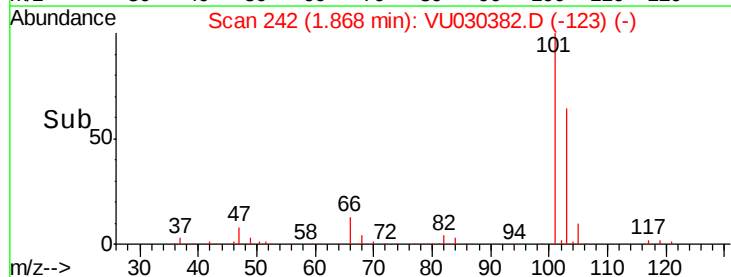
150000

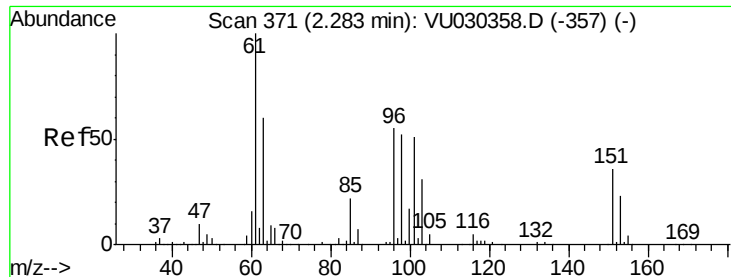
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#10

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

Concen: 46.362 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU030382.D

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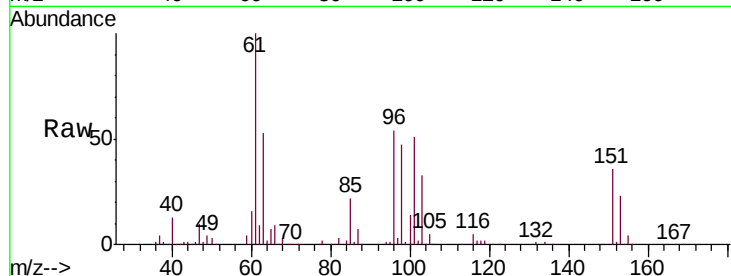
Tgt Ion:101 Resp: 145450

Ion Ratio Lower Upper

101 100

85 43.8 34.8 52.2

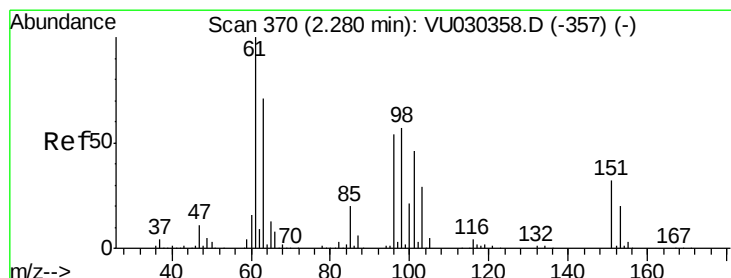
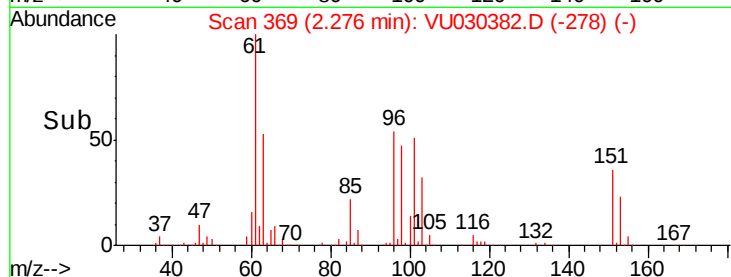
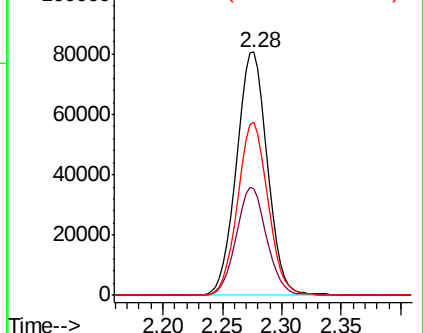
151 70.1 56.6 85.0



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: 46.095 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

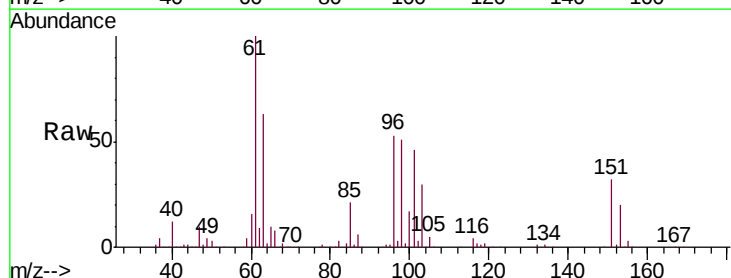
Tgt Ion: 96 Resp: 141764

Ion Ratio Lower Upper

96 100

61 187.3 131.0 243.4

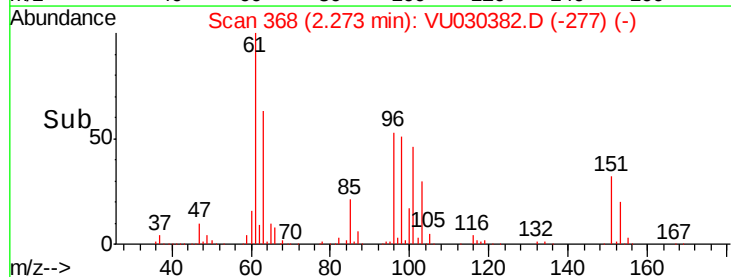
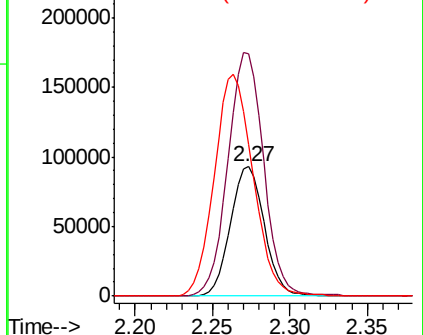
63 117.1 92.4 171.6

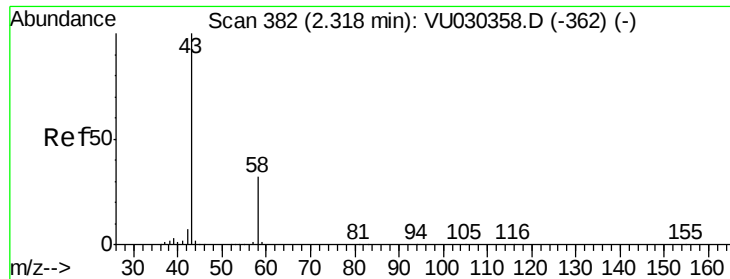


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 63.582 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

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ClientSampleId :

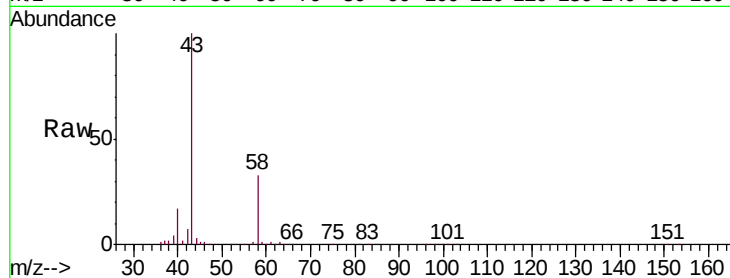
VSTD05058

Tgt Ion: 43 Resp: 209106

Ion Ratio Lower Upper

43 100

58 32.8 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030382.D (-383) (-)

Ion 58.00 (57.70 to 58.70): VU030382.D (-383) (-)

2.32

150000

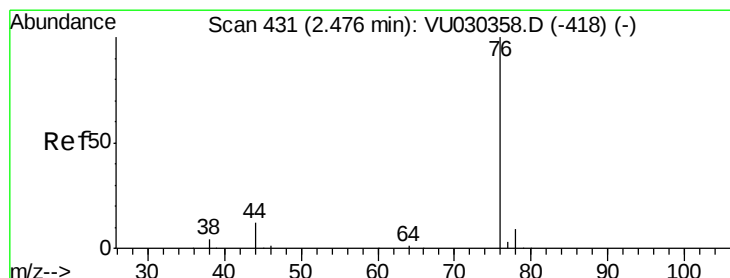
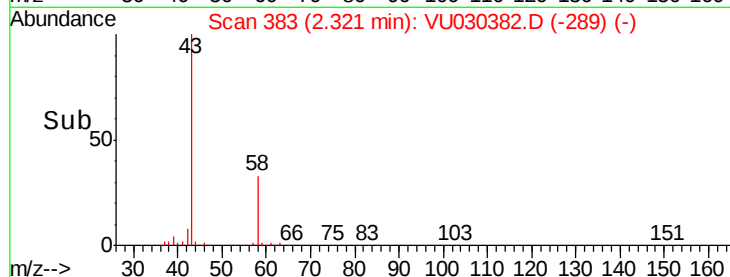
100000

50000

0

Time-->

2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 46.176 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.01 min

Lab File: VU030382.D

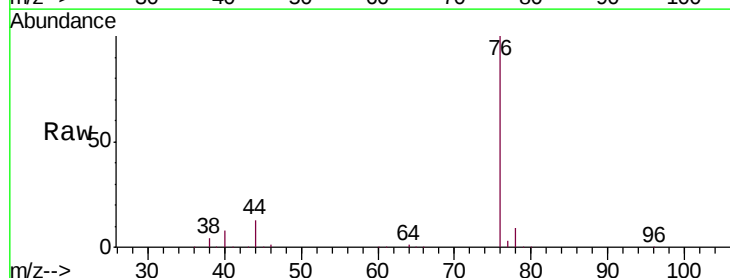
Acq: 24 Mar 2019 20:36

Tgt Ion: 76 Resp: 469554

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU030382.D (-428) (-)

Ion 78.00 (77.70 to 78.70): VU030382.D (-428) (-)

2.47

300000

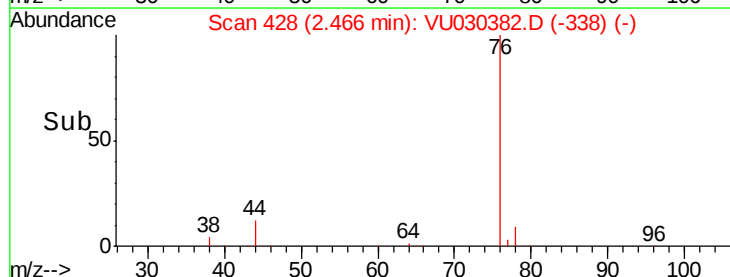
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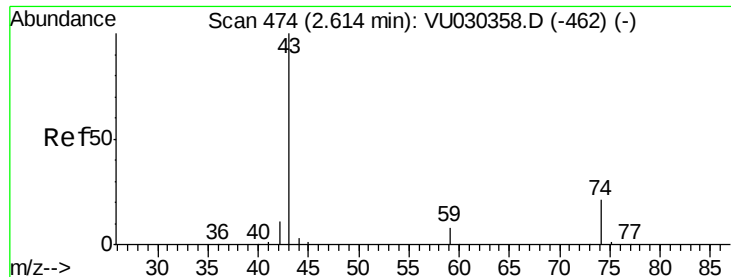
100000

0

Time-->

2.40 2.45 2.50 2.55 2.60





#15

Methyl Acetate

Concen: 47.006 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.00 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

Instrument :

MSVOA_U

ClientSampleId :

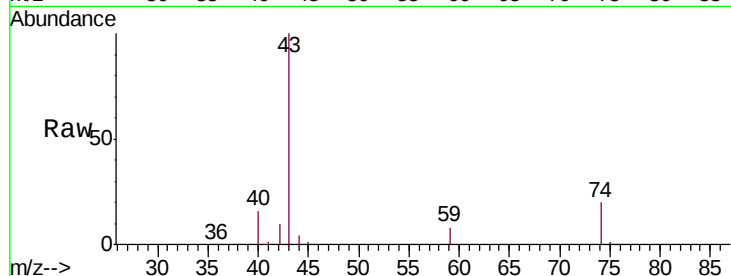
VSTD05058

Tgt Ion: 43 Resp: 236715

Ion Ratio Lower Upper

43 100

74 20.2 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VU030382.D (-381) (-)

Ion 74.00 (73.70 to 74.70): VU030382.D (-381) (-)

2.61

150000

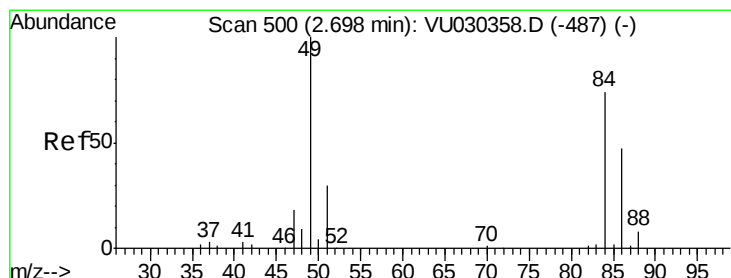
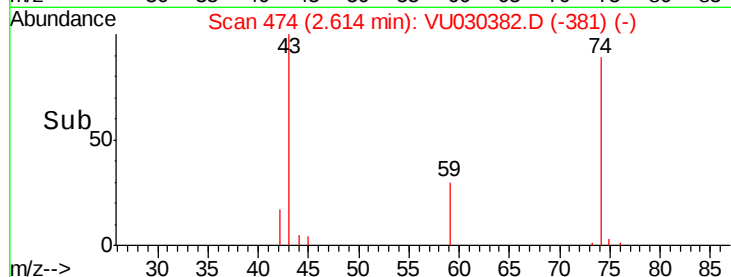
100000

50000

0

2.55 2.60 2.65 2.70

Time-->



#16

Methylene chloride

Concen: 49.452 ug/L

RT: 2.69 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

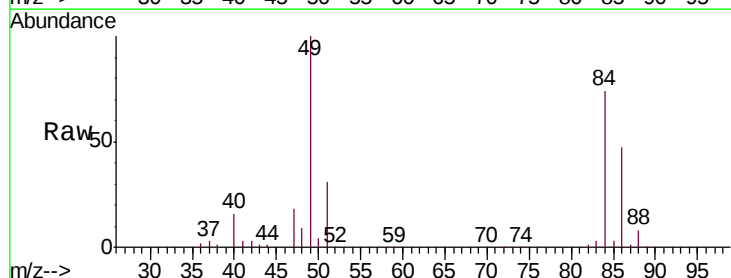
Tgt Ion: 84 Resp: 179295

Ion Ratio Lower Upper

84 100

86 63.8 44.3 82.3

49 135.1 94.9 176.3



Abundance Ion 84.00 (83.70 to 84.70): VU030382.D (-407) (-)

Ion 86.00 (85.70 to 86.70): VU030382.D (-407) (-)

Ion 49.00 (48.70 to 49.70): VU030382.D (-407) (-)

2.69

150000

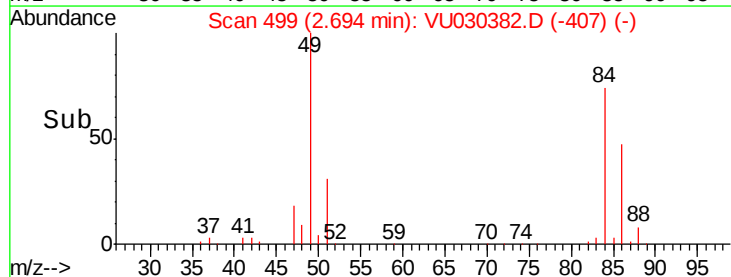
100000

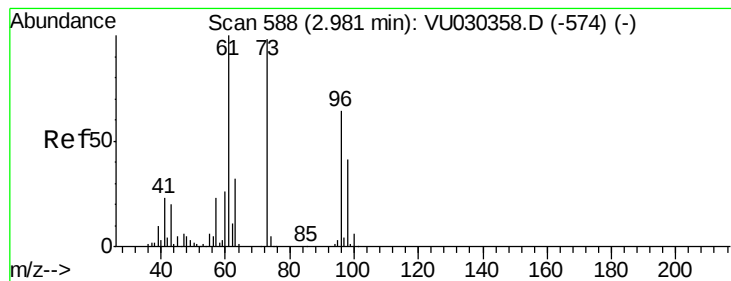
50000

0

2.60 2.65 2.70 2.75 2.80

Time-->





#17

trans-1,2-Dichloroethene

Concen: 47.189 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.01 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

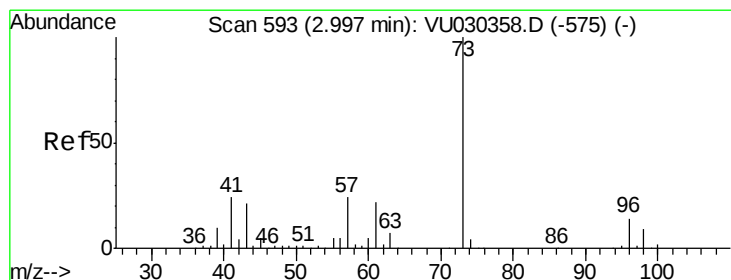
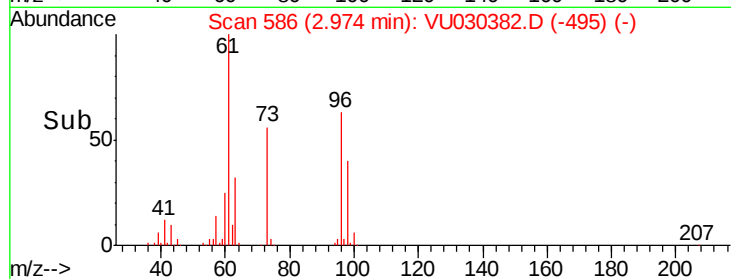
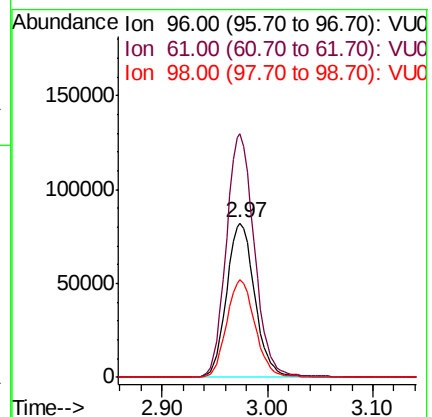
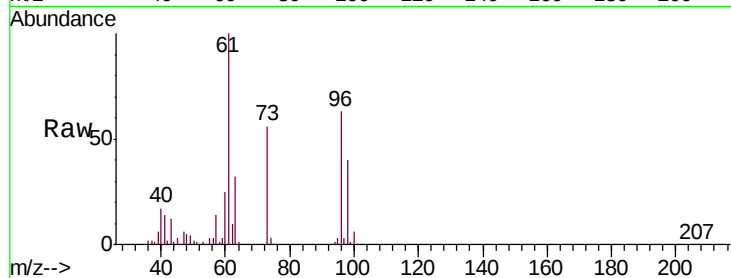
Tgt Ion: 96 Resp: 152259

Ion Ratio Lower Upper

96 100

61 157.9 108.6 201.8

98 63.1 42.3 78.5



#18

Methyl tert-butyl Ether

Concen: 49.256 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

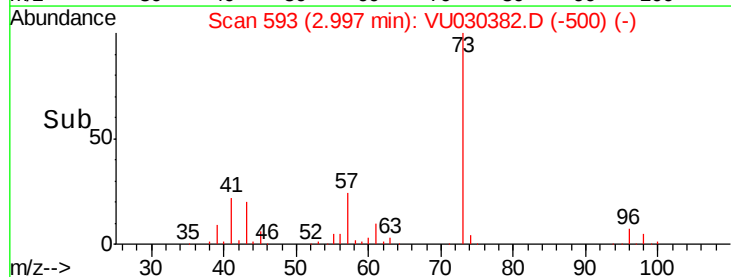
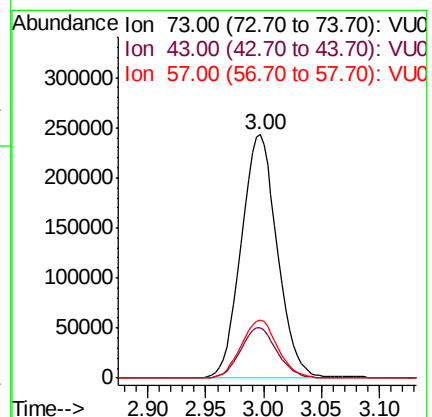
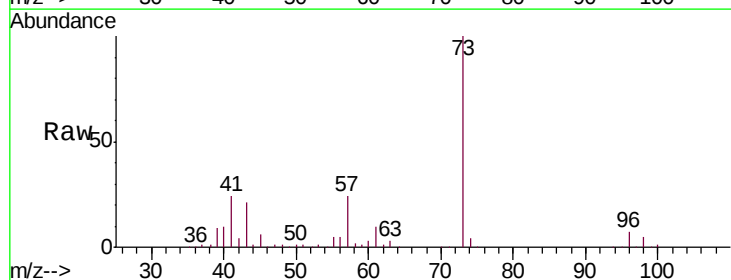
Tgt Ion: 73 Resp: 525571

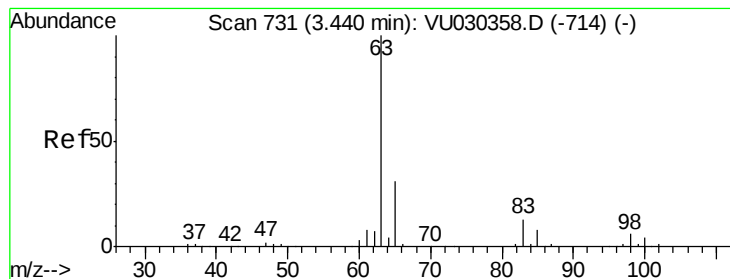
Ion Ratio Lower Upper

73 100

43 20.6 16.6 24.8

57 24.3 18.9 28.3





#19

1,1-Dichloroethane

Concen: 48.652 ug/L

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

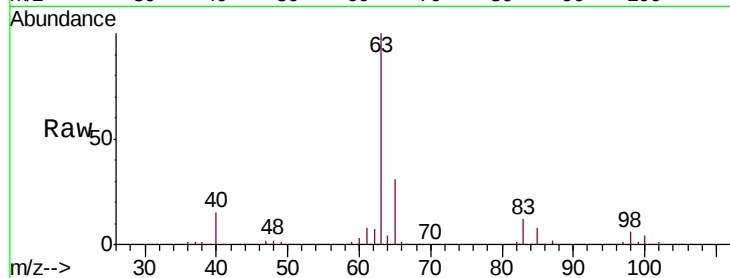
Tgt Ion: 63 Resp: 322064

Ion Ratio Lower Upper

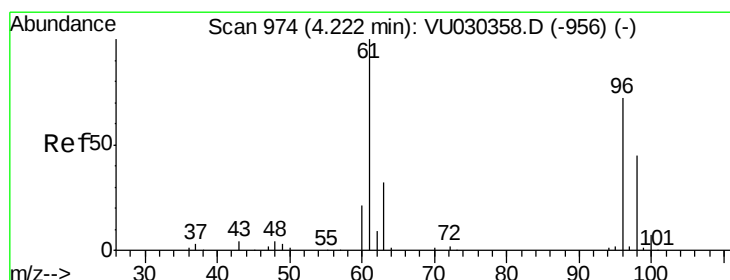
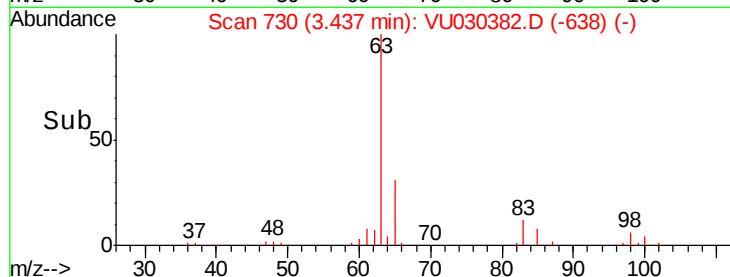
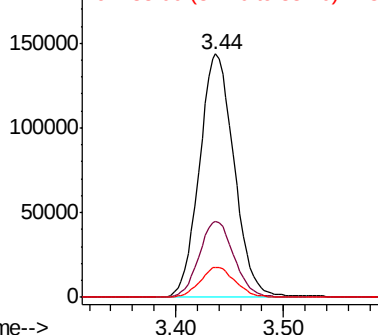
63 100

65 31.0 22.0 40.8

83 12.4 9.1 16.9



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



#20

cis-1,2-Dichloroethene

Concen: 47.718 ug/L

RT: 4.22 min Scan# 972

Delta R.T. -0.01 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

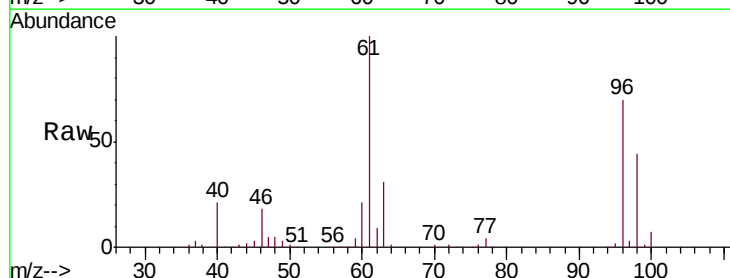
Tgt Ion: 96 Resp: 172674

Ion Ratio Lower Upper

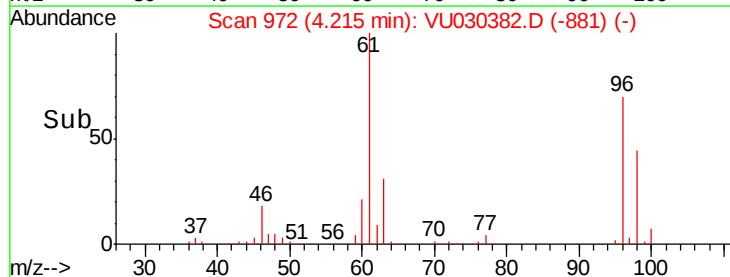
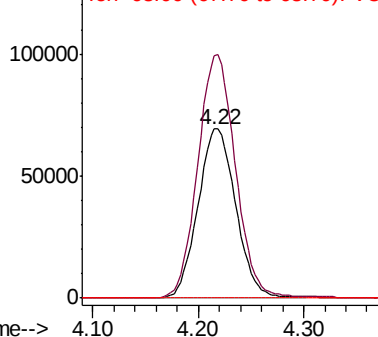
96 100

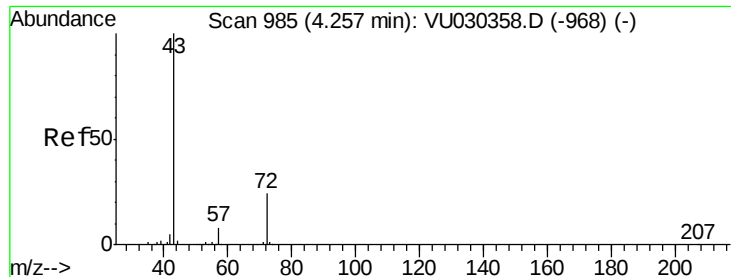
61 143.4 98.4 182.8

68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 86.499 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.00 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

Instrument :

MSVOA_U

ClientSampled :

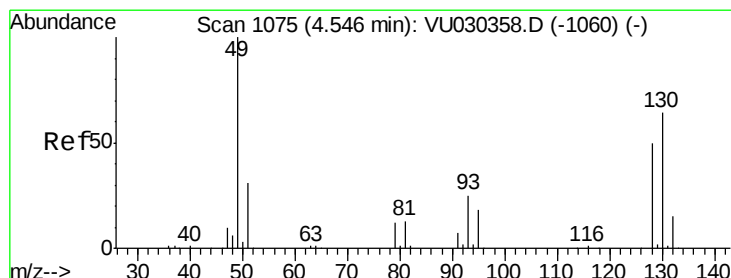
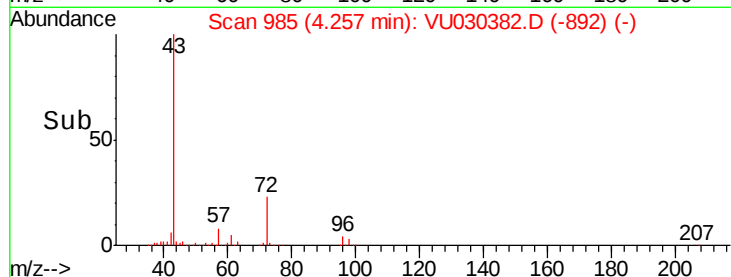
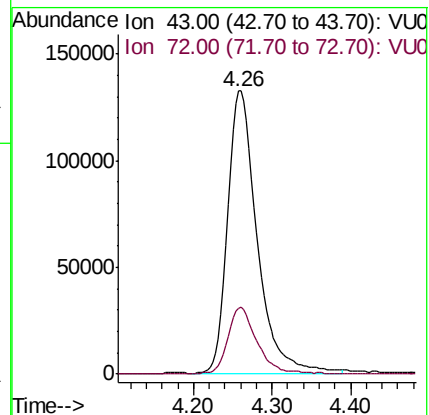
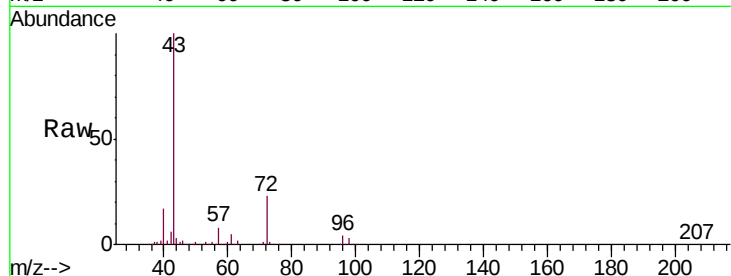
VSTD05058

Tgt Ion: 43 Resp: 343850

Ion Ratio Lower Upper

43 100

72 23.5 12.0 36.1



#23

Bromochloromethane

Concen: 49.052 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

Tgt Ion: 128 Resp: 82501

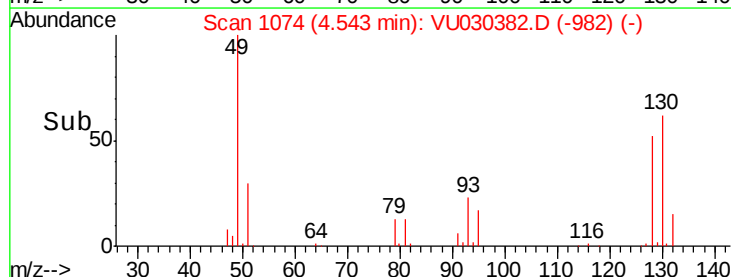
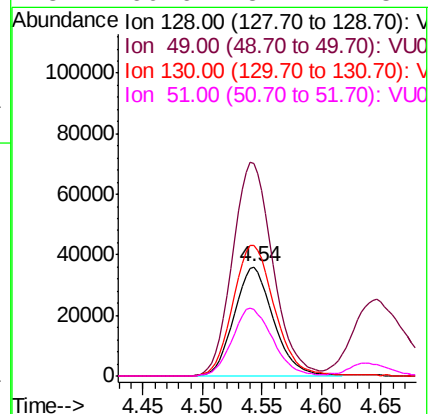
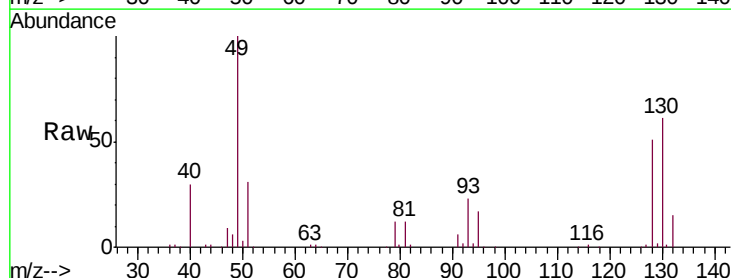
Ion Ratio Lower Upper

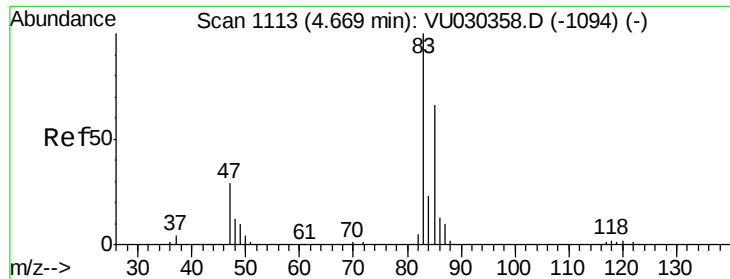
128 100

49 195.3 145.5 270.3

130 119.4 95.3 177.1

51 60.6 52.2 78.2

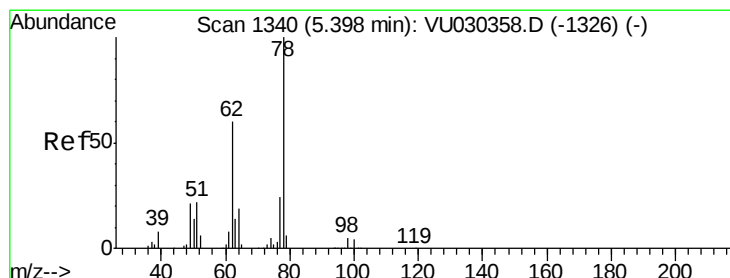
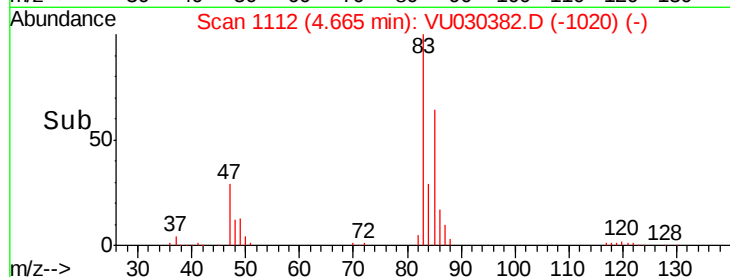
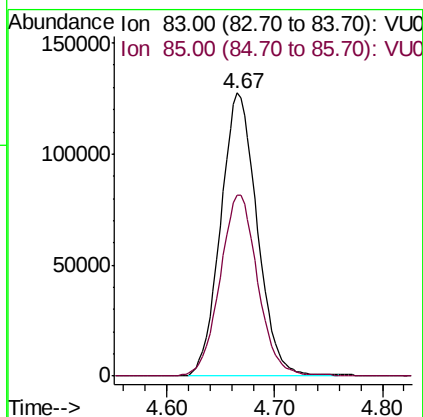
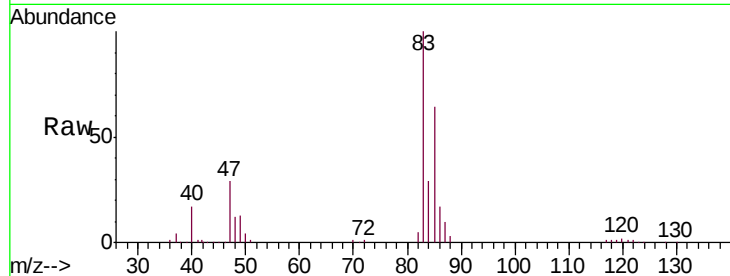




#25
Chloroform
Concen: 47.683 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU030382.D
Acq: 24 Mar 2019 20:36

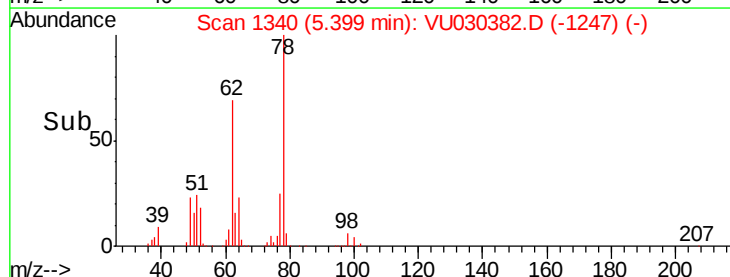
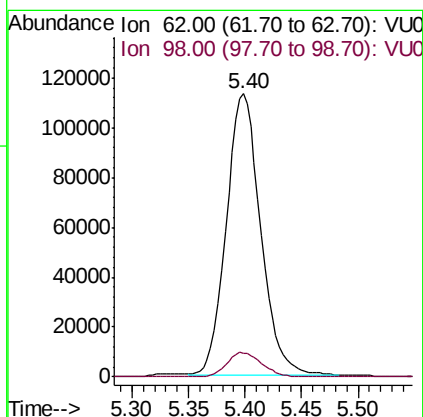
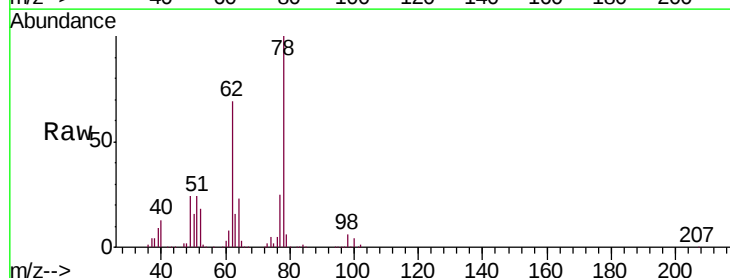
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

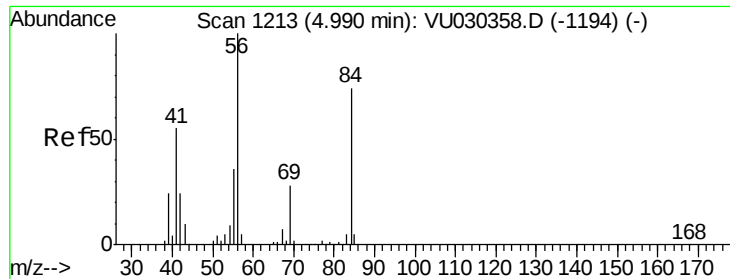
Tgt Ion: 83 Resp: 300116
Ion Ratio Lower Upper
83 100
85 64.1 44.4 82.4



#27
1,2-Dichloroethane
Concen: 48.063 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU030382.D
Acq: 24 Mar 2019 20:36

Tgt Ion: 62 Resp: 237375
Ion Ratio Lower Upper
62 100
98 8.5 7.2 10.8

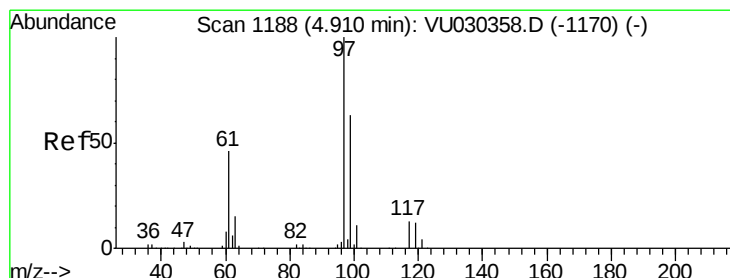
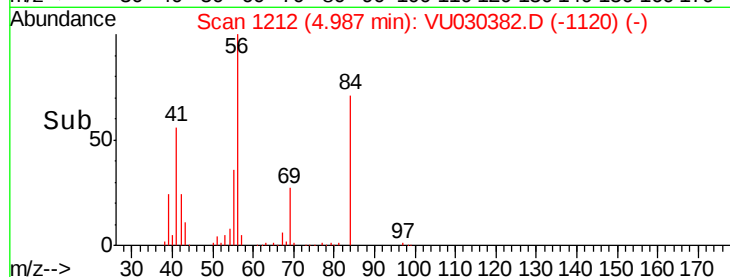
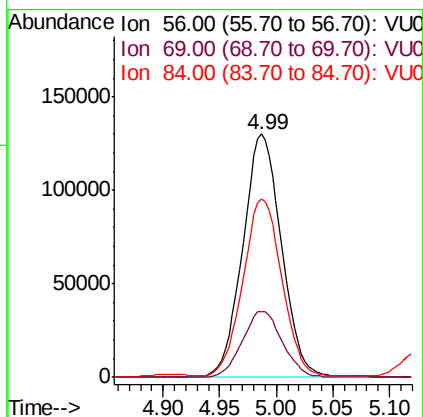
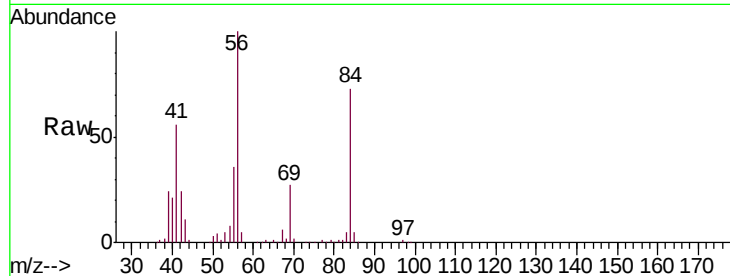




#29
Cyclohexane
Concen: 50.176 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU030382.D
Acq: 24 Mar 2019 20:36

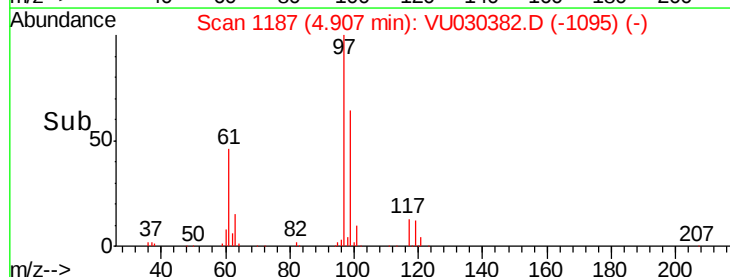
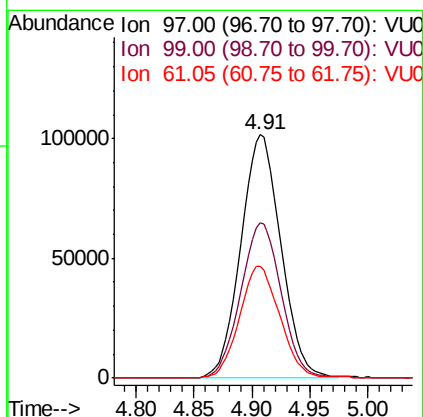
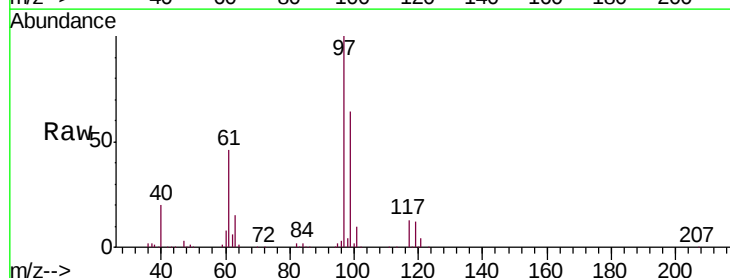
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

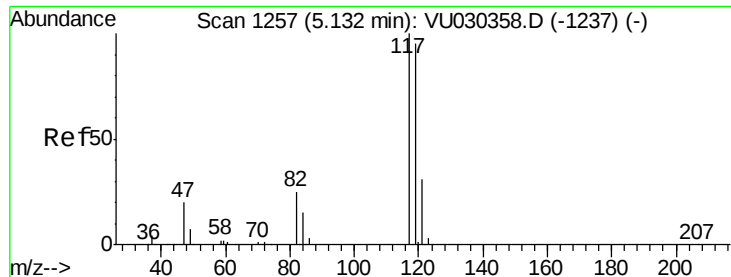
Tgt Ion: 56 Resp: 309355
Ion Ratio Lower Upper
56 100
69 28.1 22.9 34.3
84 74.2 58.9 88.3



#30
1,1,1-Trichloroethane
Concen: 49.068 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU030382.D
Acq: 24 Mar 2019 20:36

Tgt Ion: 97 Resp: 244778
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.6
61 46.2 38.2 57.4





#31

Carbon tetrachloride

Concen: 49.400 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

Instrument :

MSVOA_U

ClientSampleId :

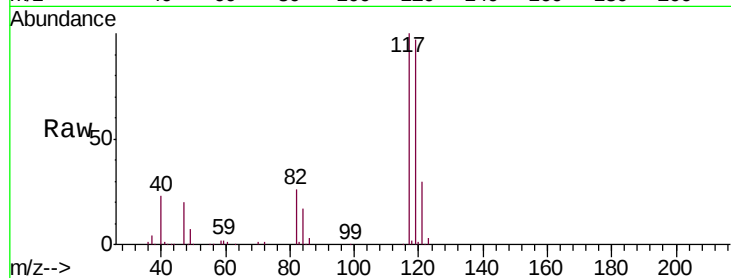
VSTD05058

Tgt Ion:117 Resp: 208878

Ion Ratio Lower Upper

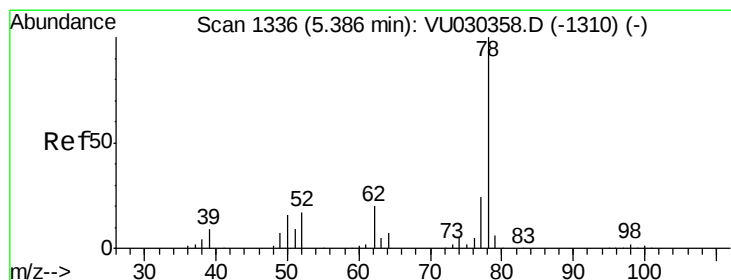
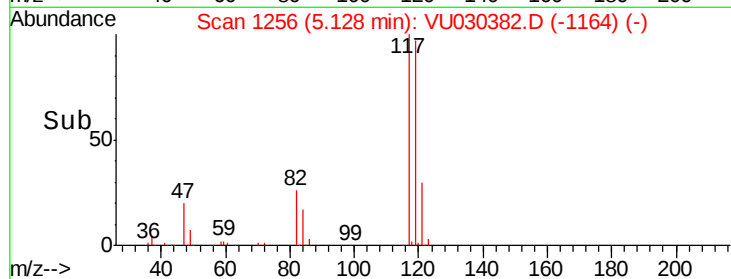
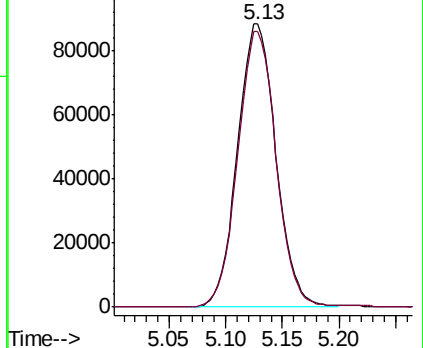
117 100

119 97.2 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: 50.250 ug/L

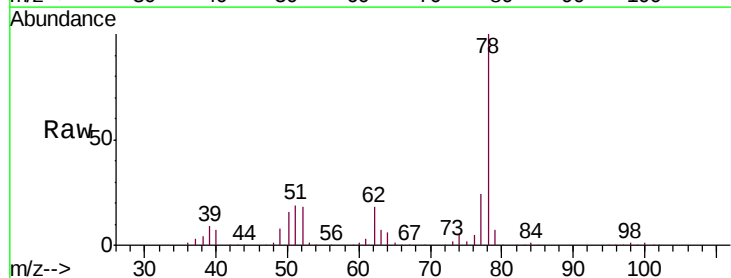
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

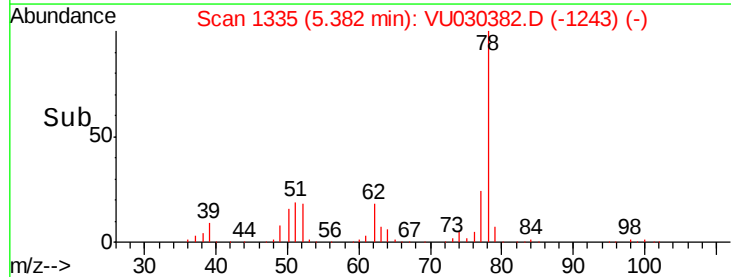
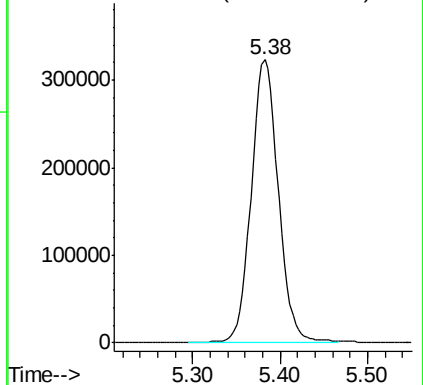
Lab File: VU030382.D

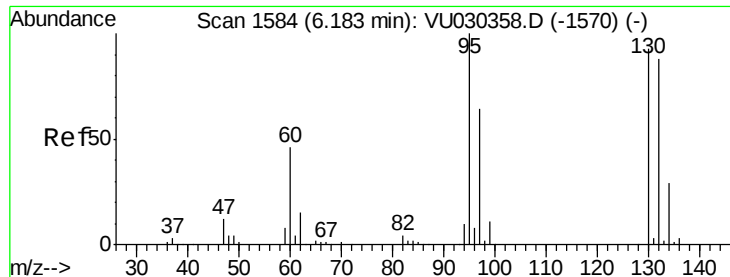
Acq: 24 Mar 2019 20:36

Tgt Ion: 78 Resp: 696891



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 47.639 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

Tgt Ion: 95 Resp: 162415

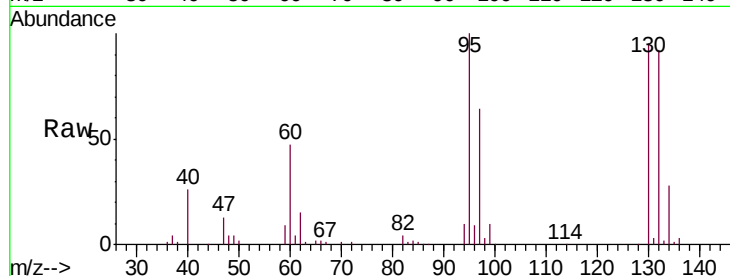
Ion Ratio Lower Upper

95 100

97 63.9 45.7 84.9

132 92.2 63.8 118.4

130 94.7 65.7 121.9

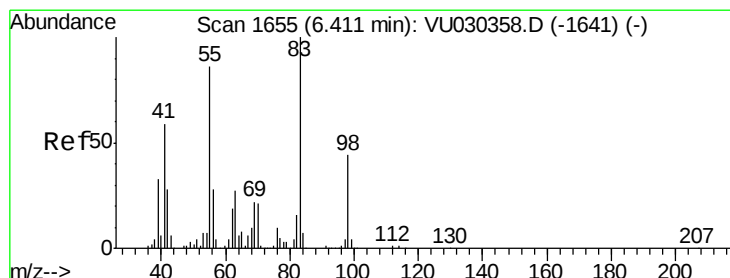
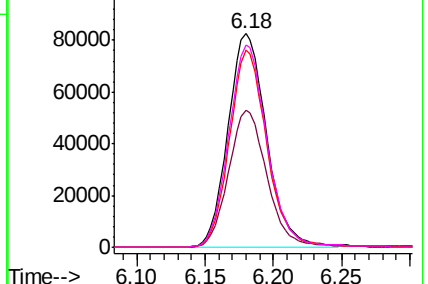
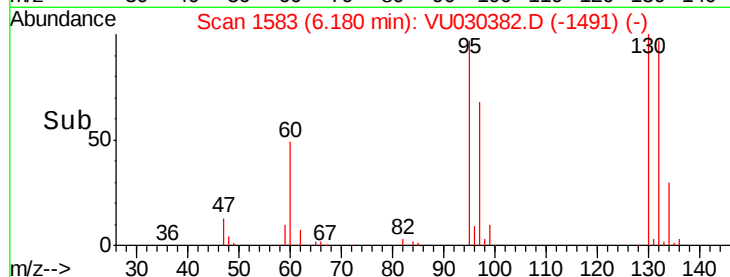


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 47.593 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

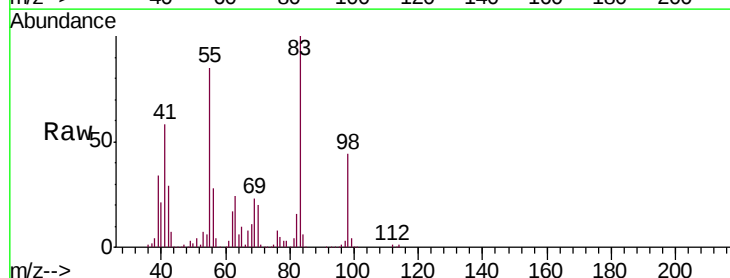
Tgt Ion: 83 Resp: 267009

Ion Ratio Lower Upper

83 100

55 88.2 71.4 107.0

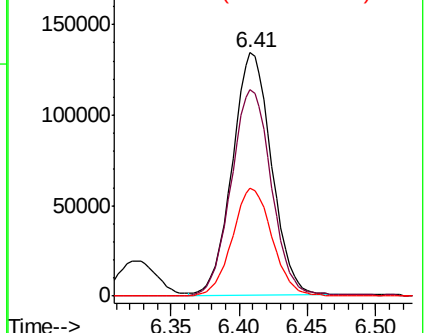
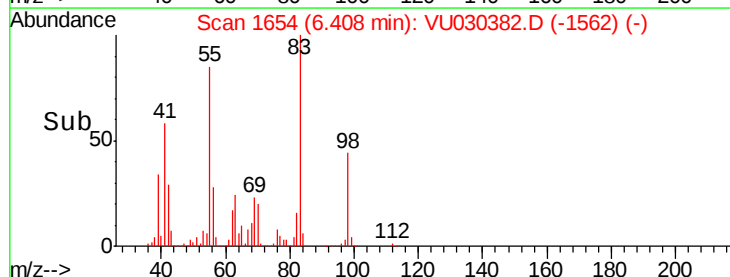
98 45.2 36.0 54.0

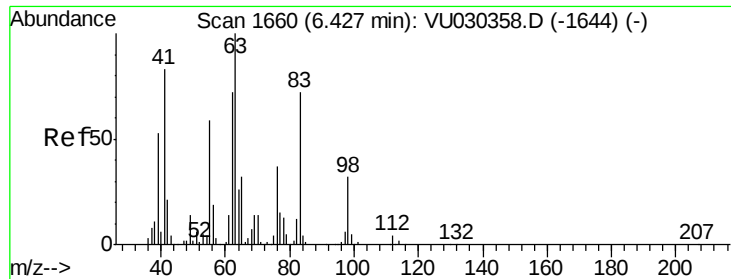


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

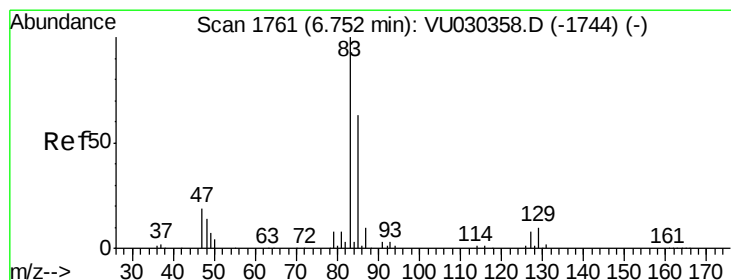
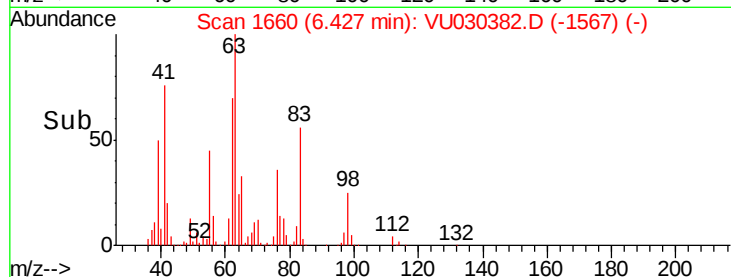
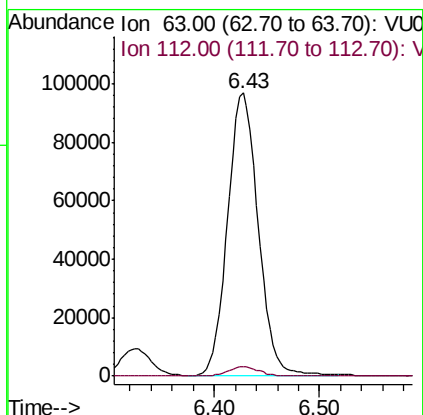
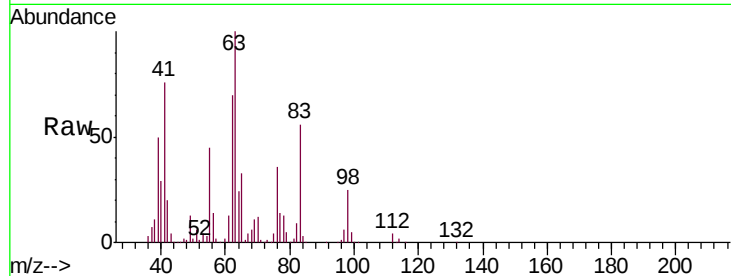




#37
 1,2-Dichloropropane
 Concen: 49.456 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU030382.D
 Acq: 24 Mar 2019 20:36

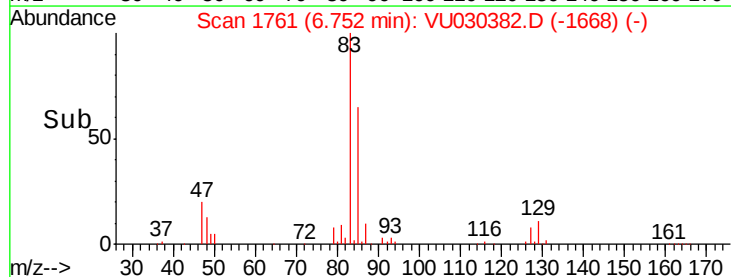
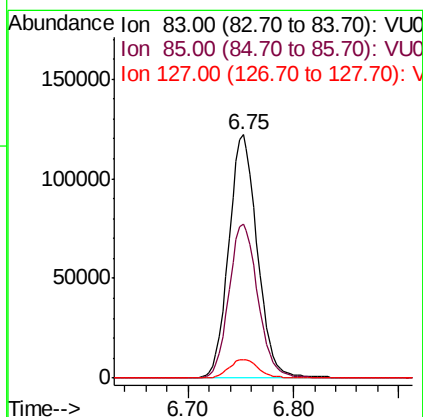
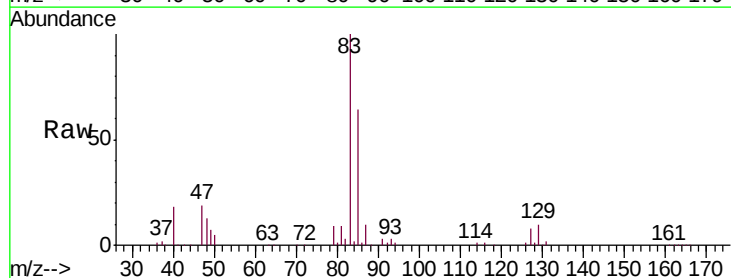
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

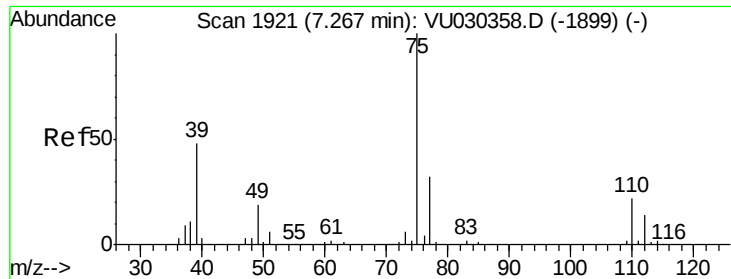
Tgt Ion: 63 Resp: 194646
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.6 4.0



#38
 Bromodichloromethane
 Concen: 48.634 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU030382.D
 Acq: 24 Mar 2019 20:36

Tgt Ion: 83 Resp: 227434
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.0 83.6
 127 7.6 6.6 10.0

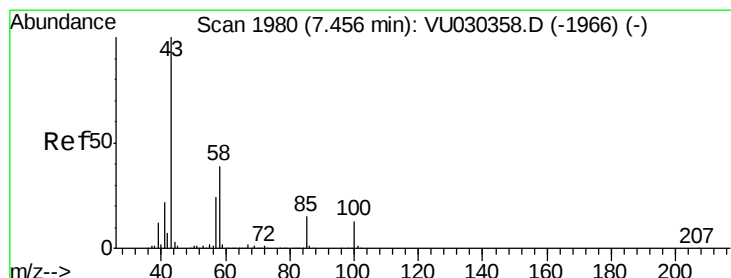
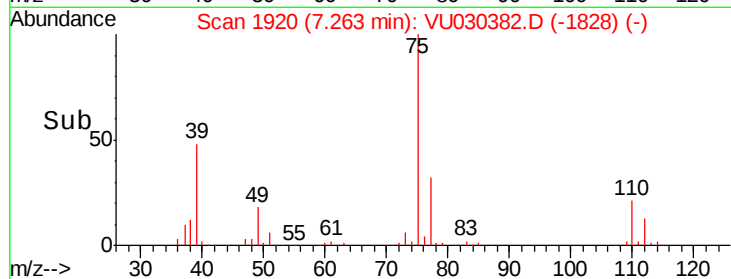
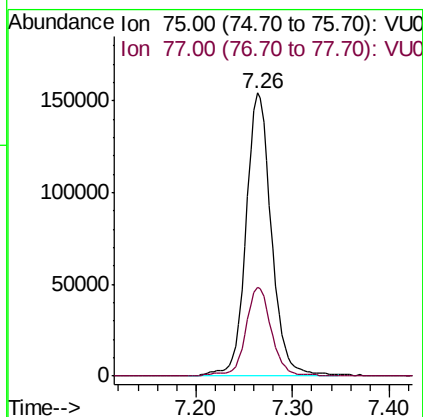
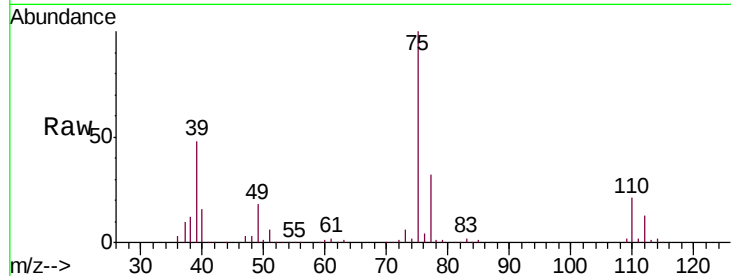




#39
 cis-1,3-Dichloropropene
 Concen: 49.805 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU030382.D
 Acq: 24 Mar 2019 20:36

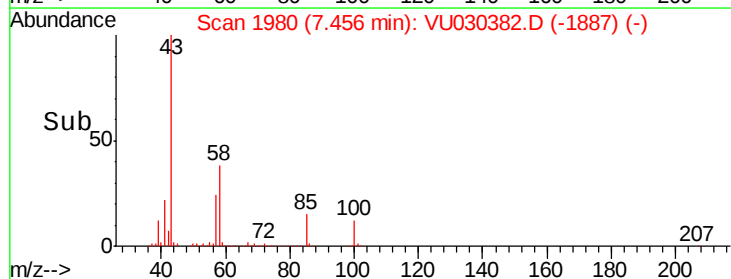
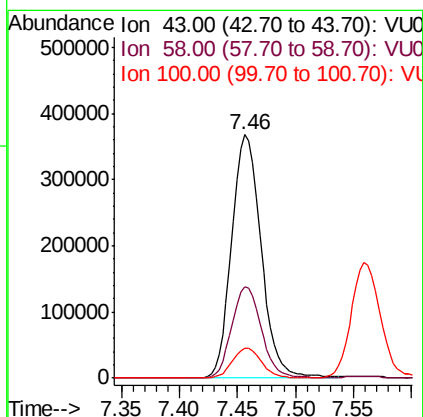
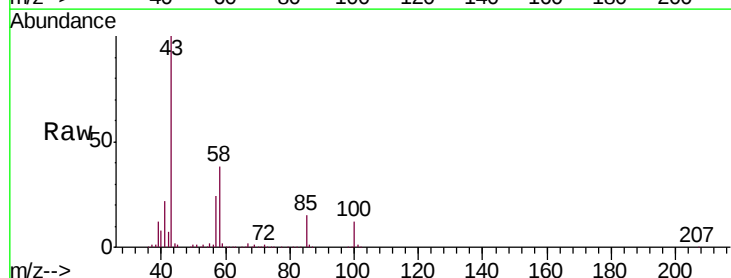
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05058

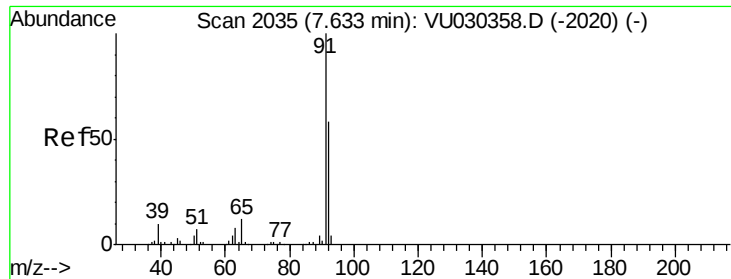
Tgt Ion: 75 Resp: 281749
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 98.516 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU030382.D
 Acq: 24 Mar 2019 20:36

Tgt Ion: 43 Resp: 651275
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.6 45.8
 100 12.1 9.5 14.3





#42

Toluene

Concen: 49.943 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

Instrument :

MSVOA_U

ClientSampleId :

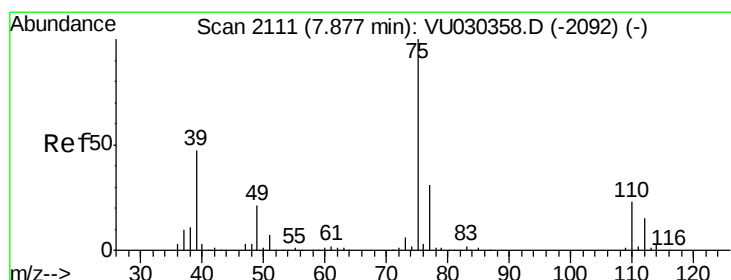
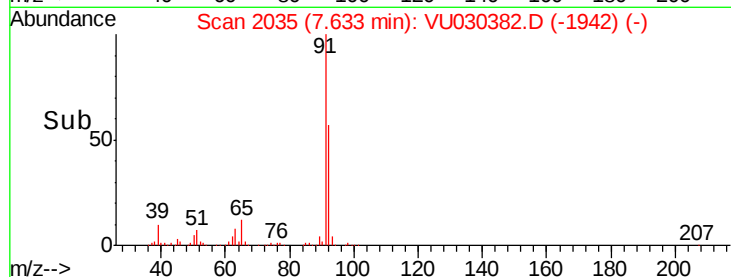
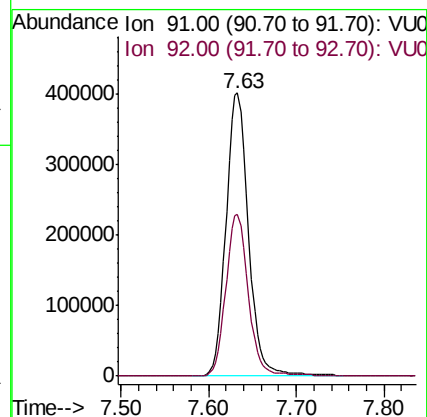
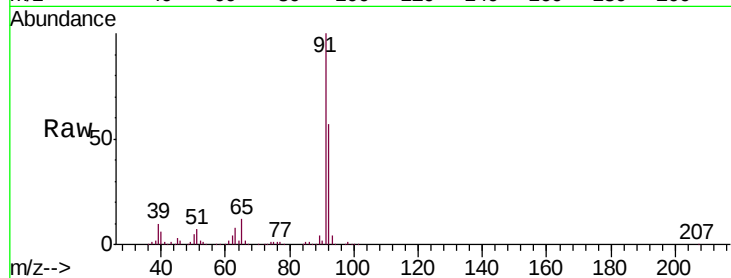
VSTD05058

Tgt Ion: 91 Resp: 718837

Ion Ratio Lower Upper

91 100

92 57.3 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 49.534 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU030382.D

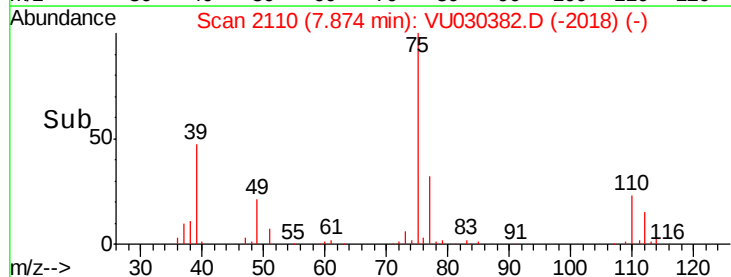
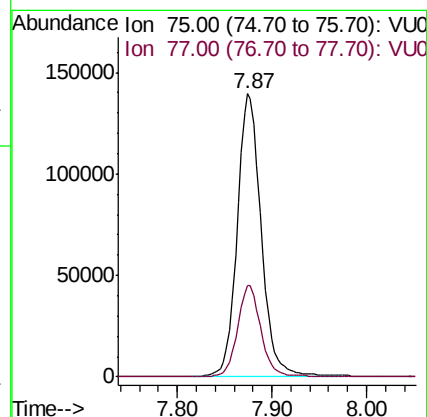
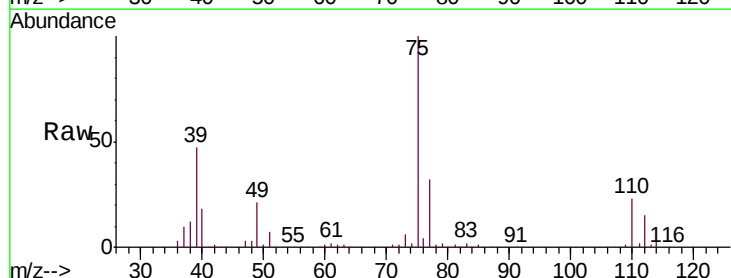
Acq: 24 Mar 2019 20:36

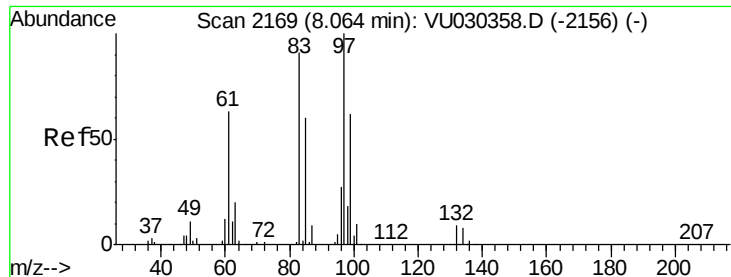
Tgt Ion: 75 Resp: 246558

Ion Ratio Lower Upper

75 100

77 32.4 22.0 40.8

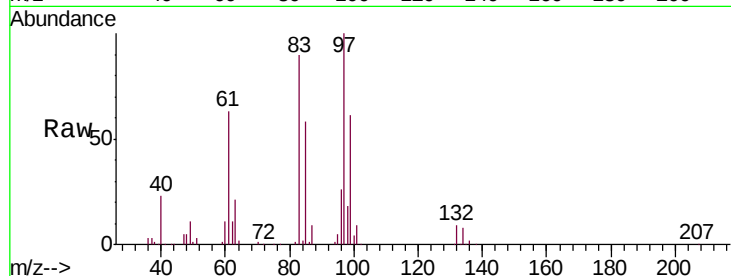




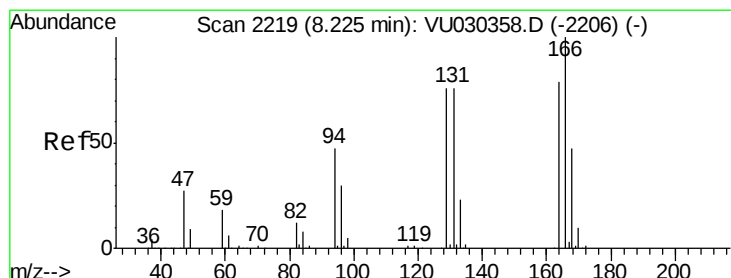
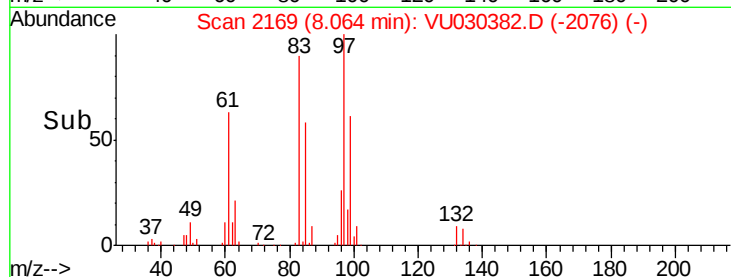
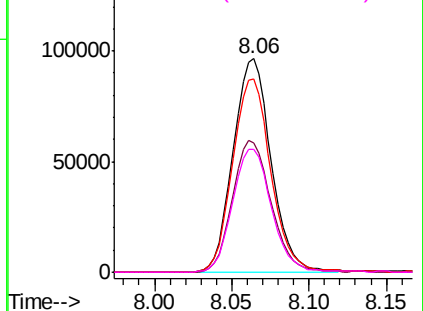
#45
 1,1,2-Trichloroethane
 Concen: 49.514 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU030382.D
 Acq: 24 Mar 2019 20:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Tgt Ion:	97	Resp:	164657
Ion	Ratio	Lower	Upper
97	100		
99	60.7	44.0	81.8
83	90.5	65.3	121.3
85	57.7	41.8	77.6

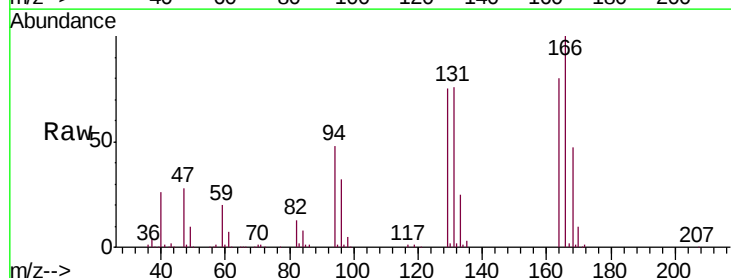


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

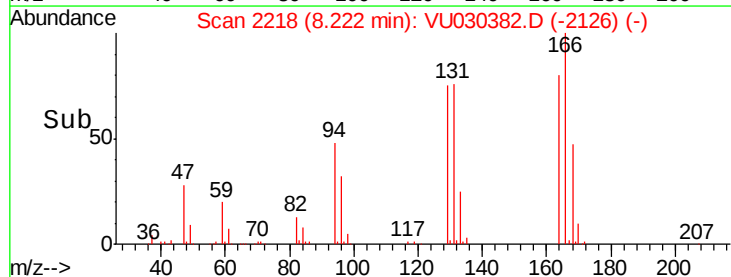
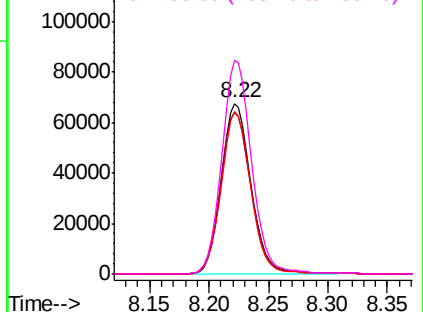


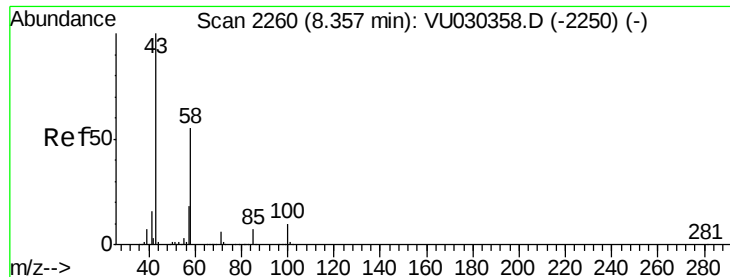
#46
 Tetrachloroethene
 Concen: 49.381 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU030382.D
 Acq: 24 Mar 2019 20:36

Tgt Ion:	164	Resp:	117591
Ion	Ratio	Lower	Upper
164	100		
129	94.3	68.1	126.5
131	95.5	67.7	125.7
166	125.0	92.4	171.6



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

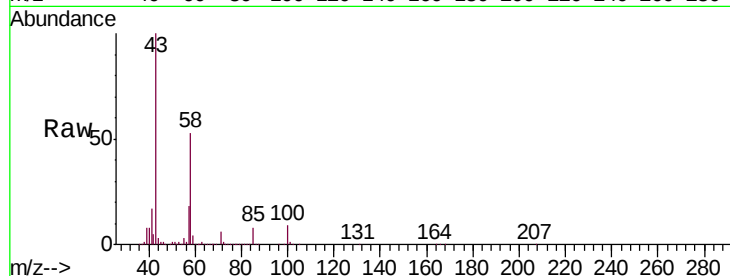




#48
2-Hexanone
Concen: 96.173 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU030382.D
Acq: 24 Mar 2019 20:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

Tgt Ion:	43	Resp:	521082
Ion	Ratio	Lower	Upper
43	100		
58	52.6	42.5	63.7
57	17.1	15.0	22.6
100	9.2	7.4	11.2



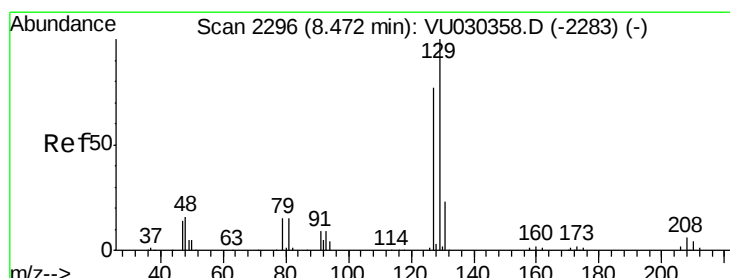
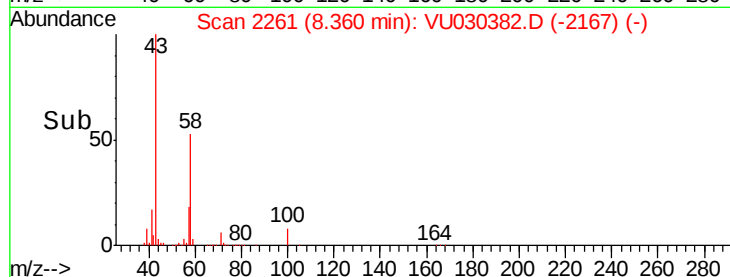
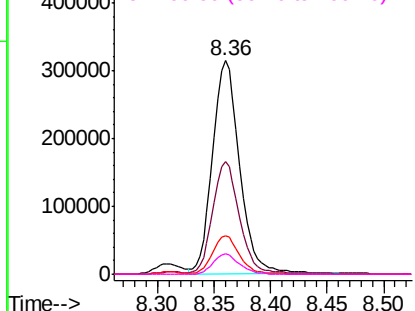
Abundance

Ion 43.00 (42.70 to 43.70): VU030382.D (-2260) (-)

Ion 58.00 (57.70 to 58.70): VU030382.D (-2260) (-)

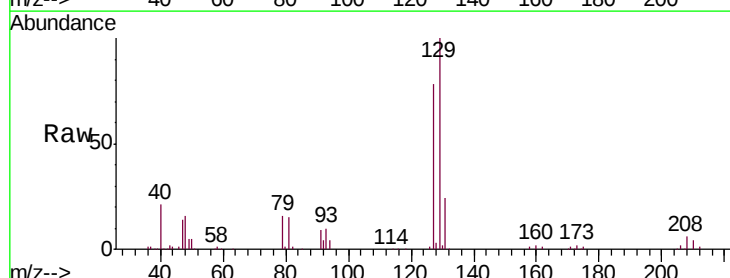
Ion 57.00 (56.70 to 57.70): VU030382.D (-2260) (-)

Ion 100.00 (99.70 to 100.70): VU030382.D (-2260) (-)



#49
Dibromochloromethane
Concen: 50.255 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030382.D
Acq: 24 Mar 2019 20:36

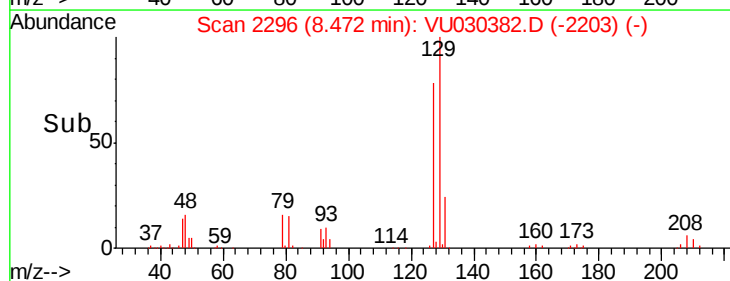
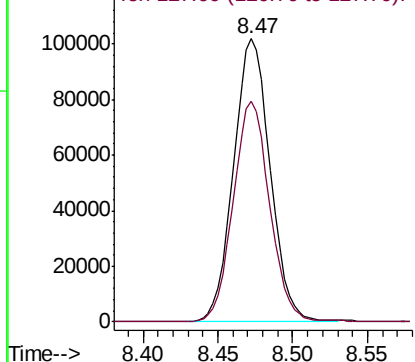
Tgt Ion:	129	Resp:	173651
Ion	Ratio	Lower	Upper
129	100		
127	77.9	53.2	98.8

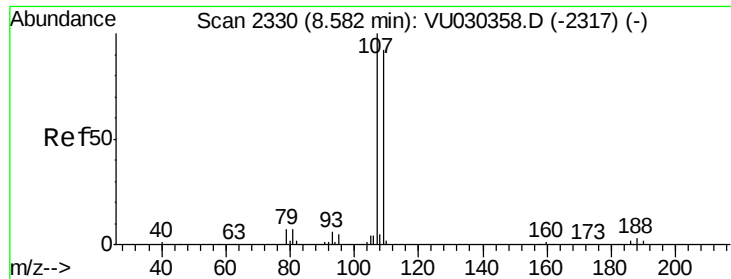


Abundance

Ion 129.00 (128.70 to 129.70): VU030382.D (-2296) (-)

Ion 127.00 (126.70 to 127.70): VU030382.D (-2296) (-)

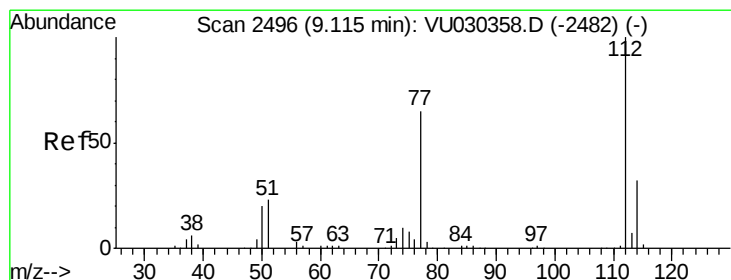
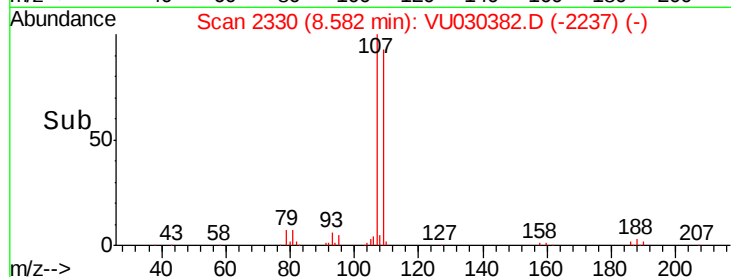
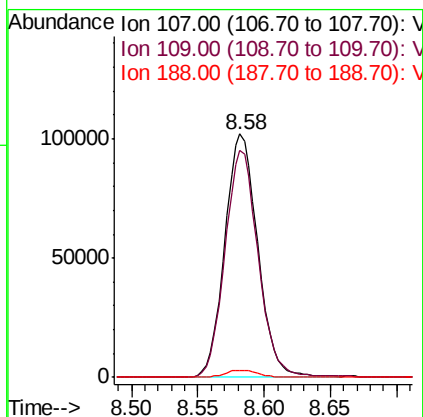
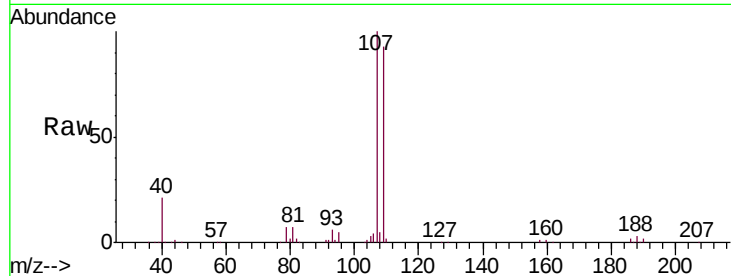




#50
1,2-Dibromoethane
Concen: 49.466 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU030382.D
Acq: 24 Mar 2019 20:36

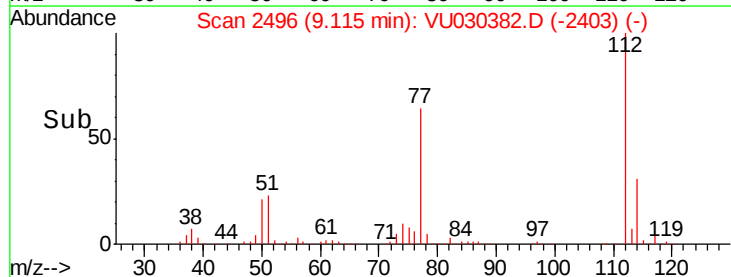
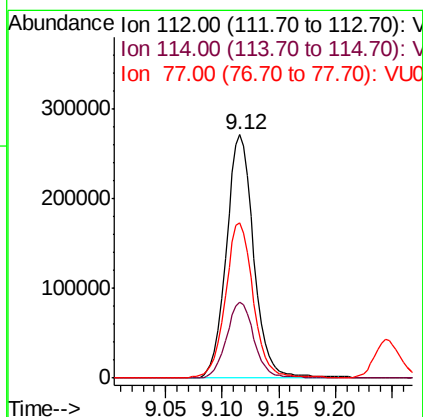
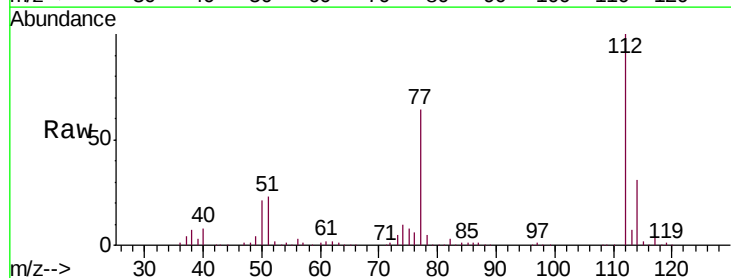
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

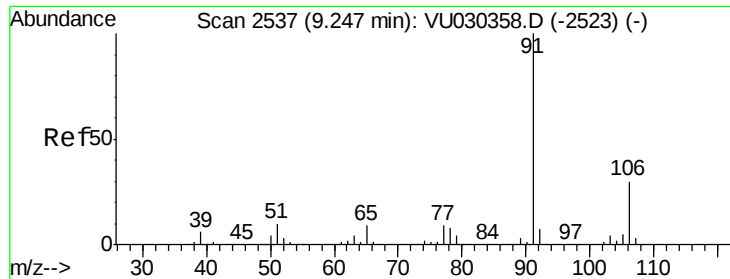
Tgt Ion:107 Resp: 176539
Ion Ratio Lower Upper
107 100
109 93.2 65.8 122.2
188 3.0 2.6 4.0



#51
Chlorobenzene
Concen: 52.458 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030382.D
Acq: 24 Mar 2019 20:36

Tgt Ion:112 Resp: 457604
Ion Ratio Lower Upper
112 100
114 31.4 21.5 39.9
77 64.0 51.4 77.0





#52

Ethylbenzene

Concen: 49.253 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

Instrument :

MSVOA_U

ClientSampleId :

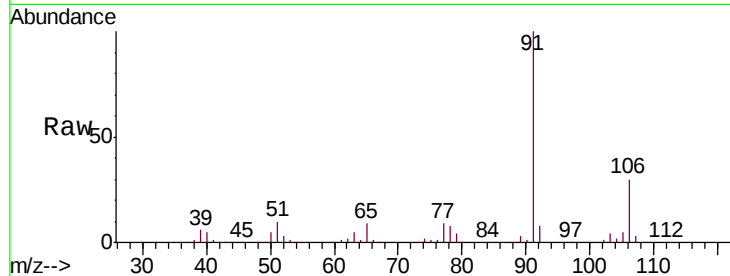
VSTD05058

Tgt Ion: 91 Resp: 767941

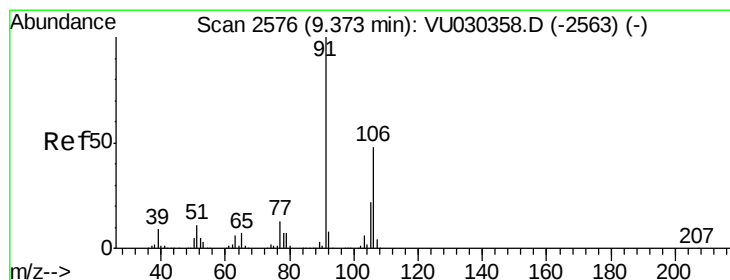
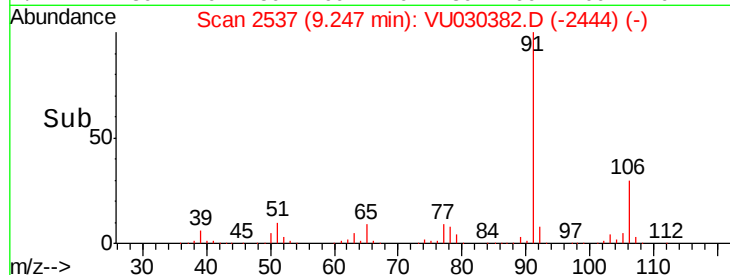
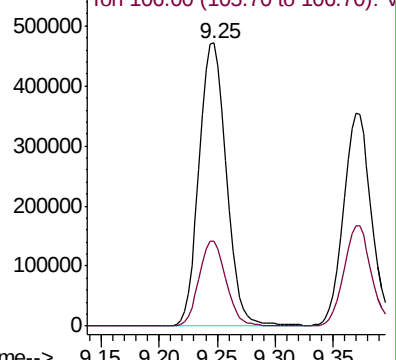
Ion Ratio Lower Upper

91 100

106 30.2 20.6 38.2



Abundance Ion 91.00 (90.70 to 91.70): VU030382.D (-2444) (-)



#53

m,p-Xylene

Concen: 49.163 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU030382.D

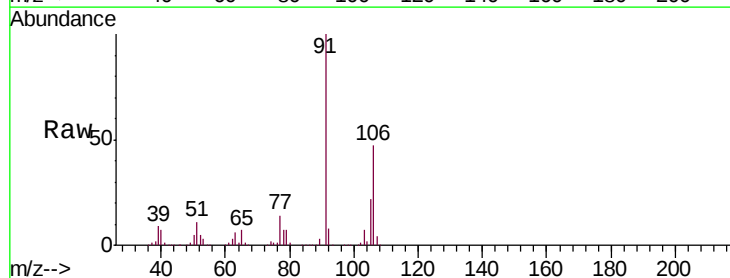
Acq: 24 Mar 2019 20:36

Tgt Ion: 106 Resp: 276775

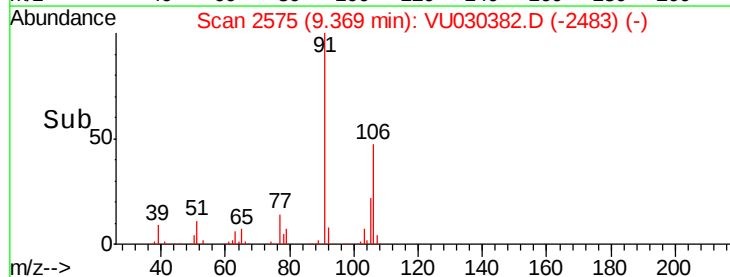
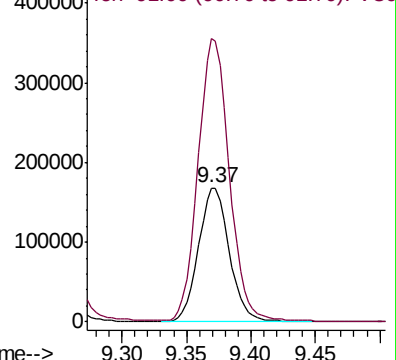
Ion Ratio Lower Upper

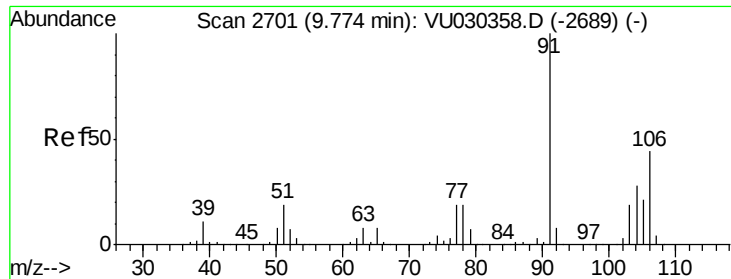
106 100

91 211.4 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): VU030382.D (-2483) (-)





#54

o-xylene

Concen: 51.417 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

Instrument :

MSVOA_U

ClientSampleId :

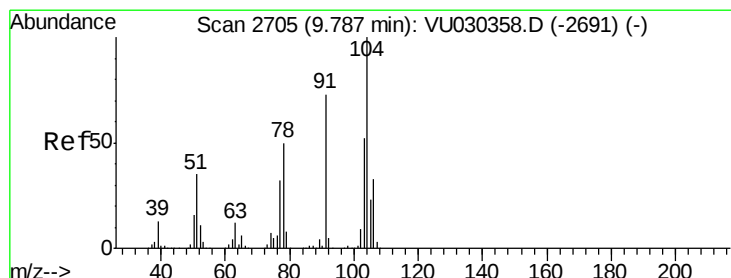
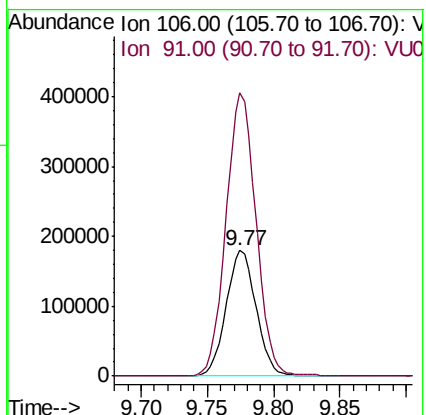
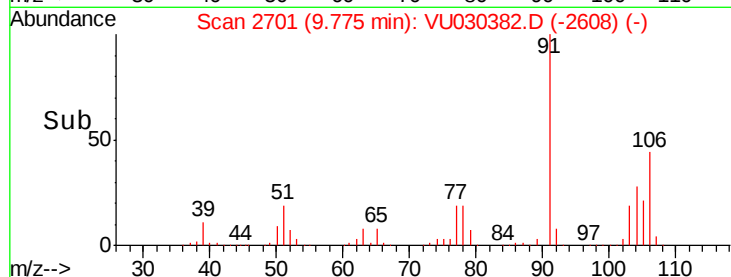
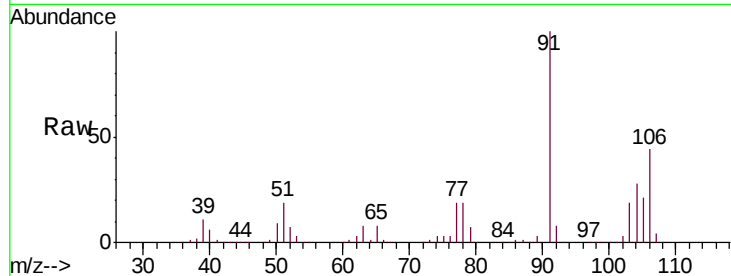
VSTD05058

Tgt Ion:106 Resp: 282441

Ion Ratio Lower Upper

106 100

91 225.4 159.6 296.4



#55

Styrene

Concen: 51.075 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU030382.D

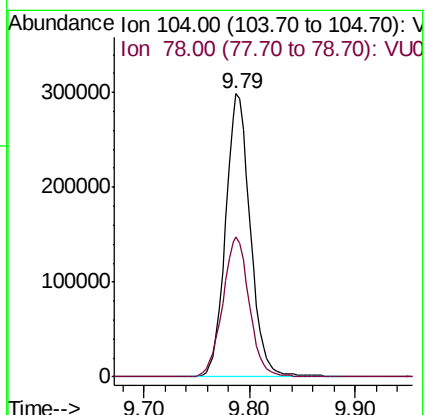
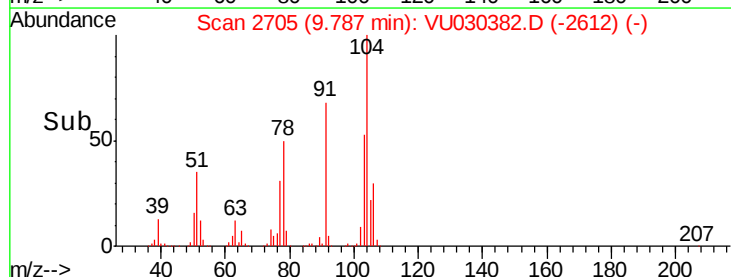
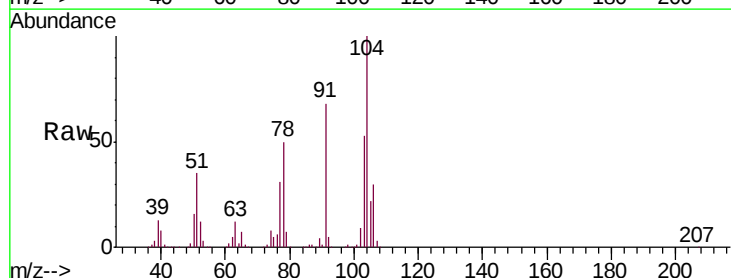
Acq: 24 Mar 2019 20:36

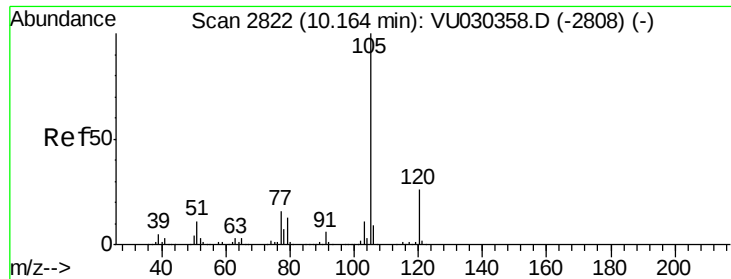
Tgt Ion:104 Resp: 483303

Ion Ratio Lower Upper

104 100

78 49.6 35.1 65.3





#56

Isopropylbenzene

Concen: 50.495 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

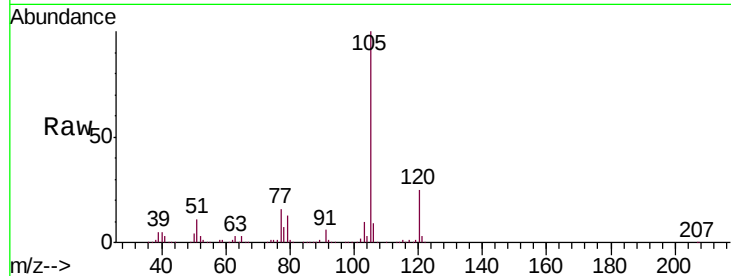
Tgt Ion: 105 Resp: 734465

Ion Ratio Lower Upper

105 100

120 25.0 20.2 30.2

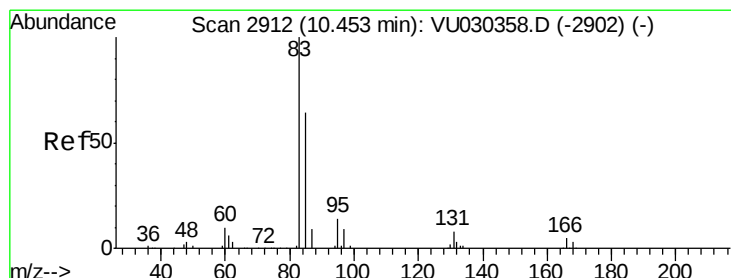
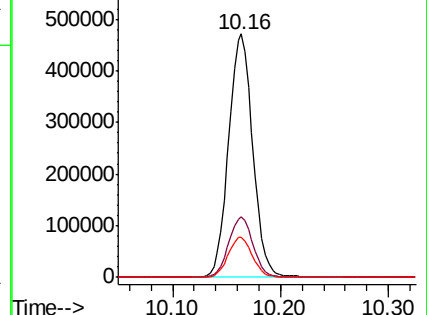
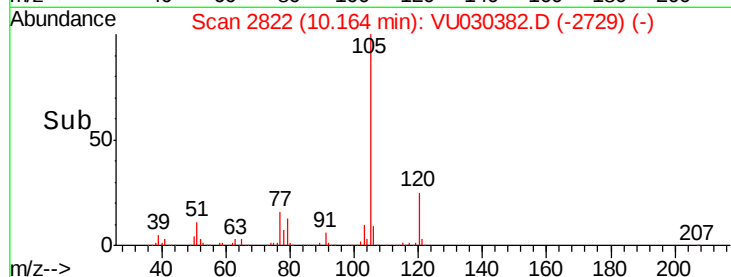
77 16.6 13.2 19.8



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: 51.225 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

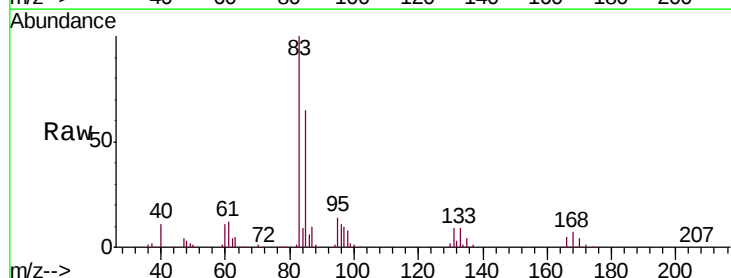
Tgt Ion: 83 Resp: 313952

Ion Ratio Lower Upper

83 100

85 65.5 44.3 82.3

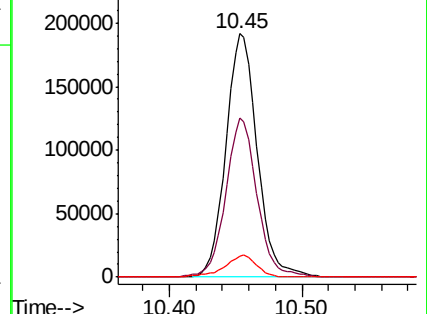
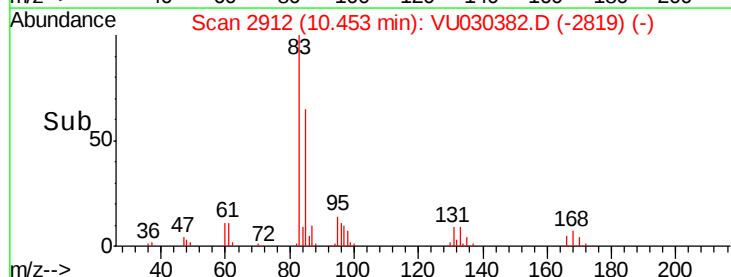
131 8.6 6.7 10.1

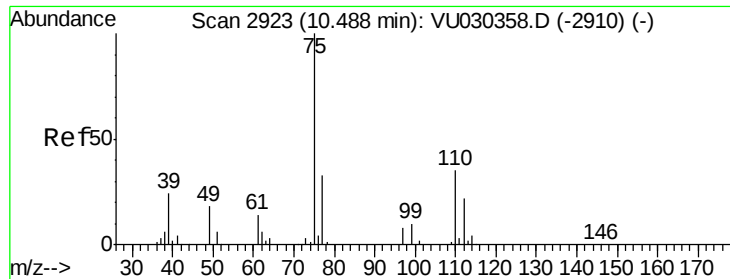


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

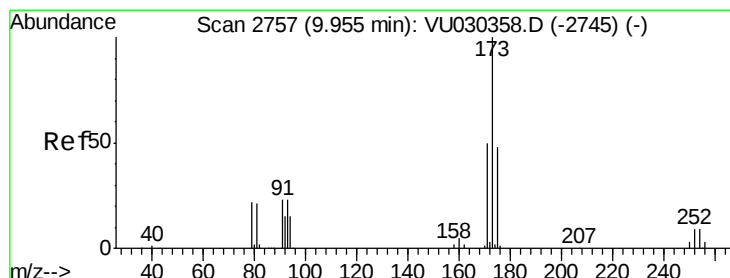
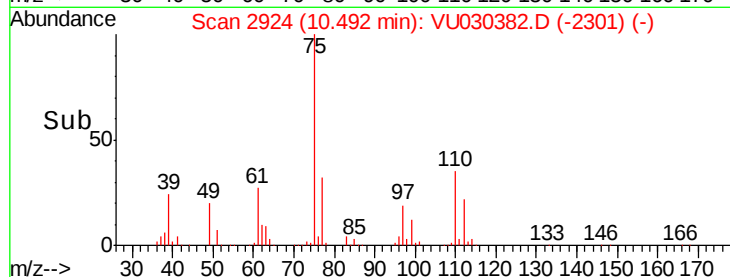
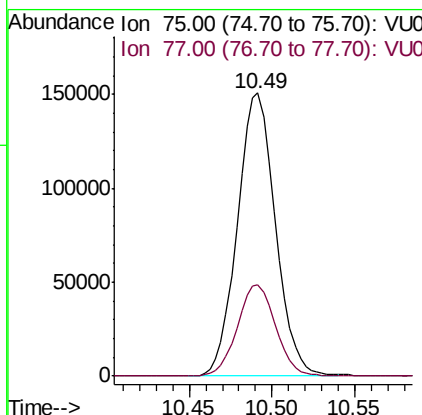
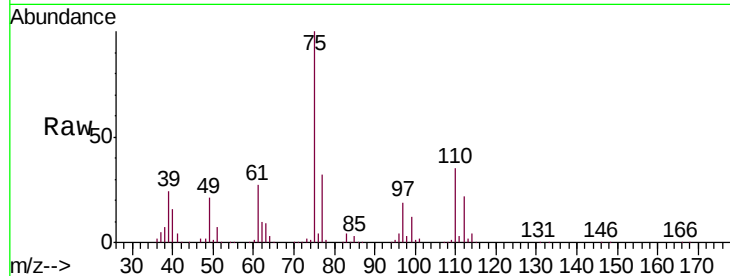




#59
 1,2,3-Trichloropropane
 Concen: 50.141 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU030382.D
 Acq: 24 Mar 2019 20:36

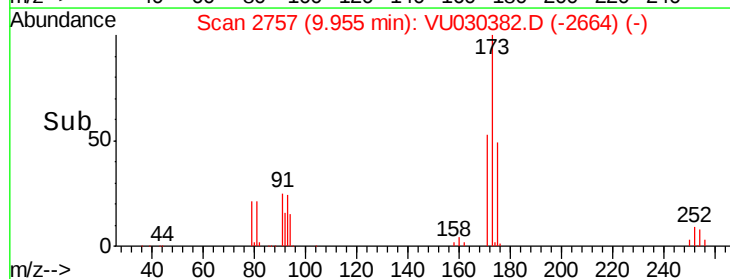
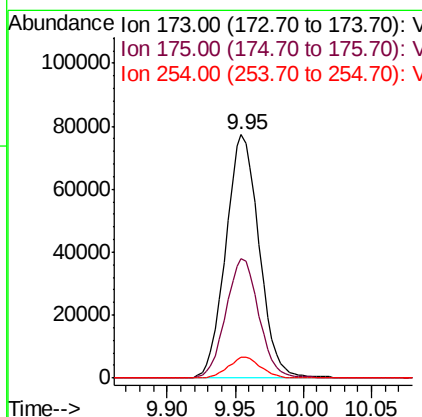
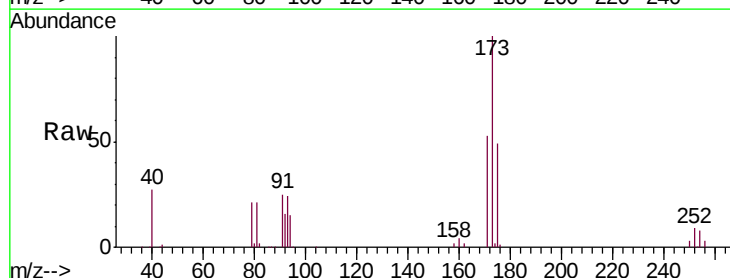
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

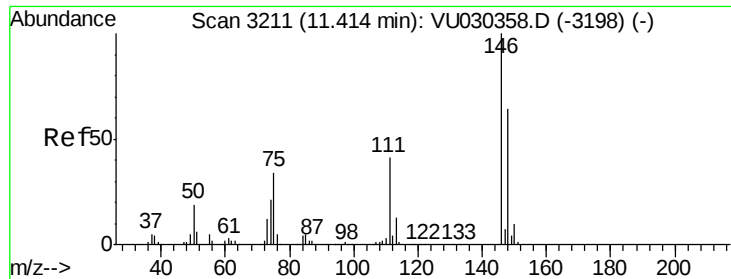
Tgt Ion: 75 Resp: 240203
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.2



#61
 Bromoform
 Concen: 51.526 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU030382.D
 Acq: 24 Mar 2019 20:36

Tgt Ion: 173 Resp: 131757
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.5 57.7
 254 8.4 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 49.899 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

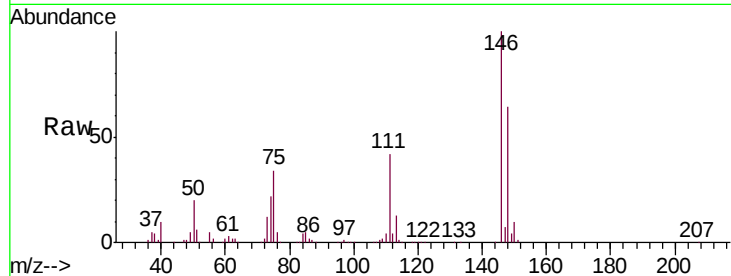
Tgt Ion:146 Resp: 313847

Ion Ratio Lower Upper

146 100

111 42.2 29.2 54.2

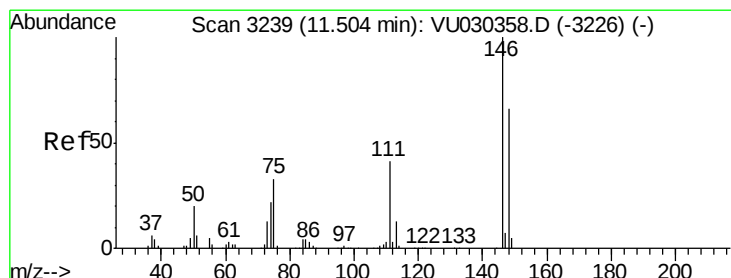
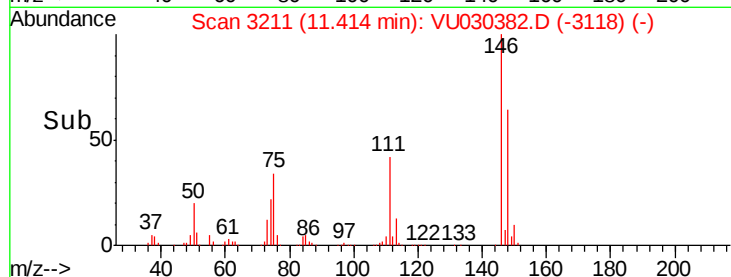
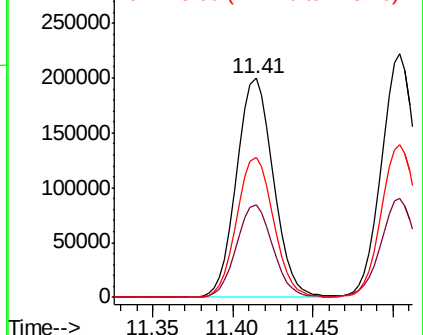
148 64.0 44.4 82.4



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: 53.710 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

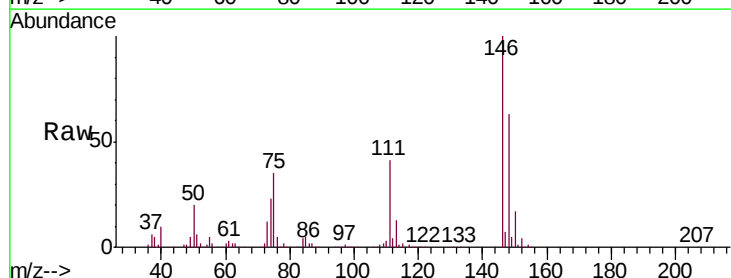
Tgt Ion:146 Resp: 347772

Ion Ratio Lower Upper

146 100

111 40.6 28.7 53.3

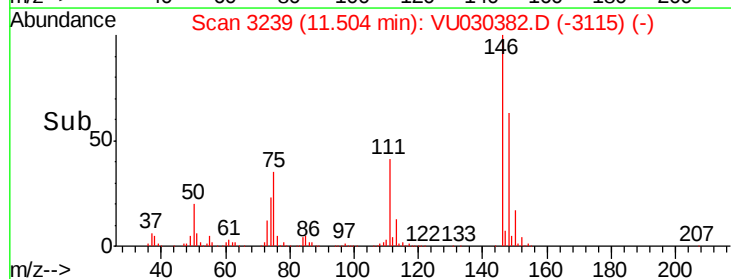
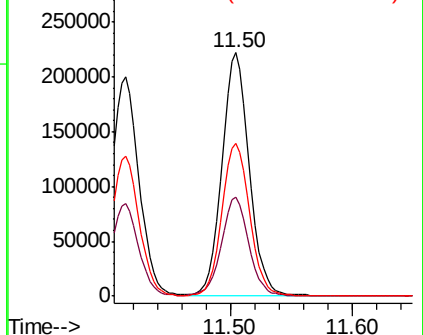
148 62.5 44.3 82.3

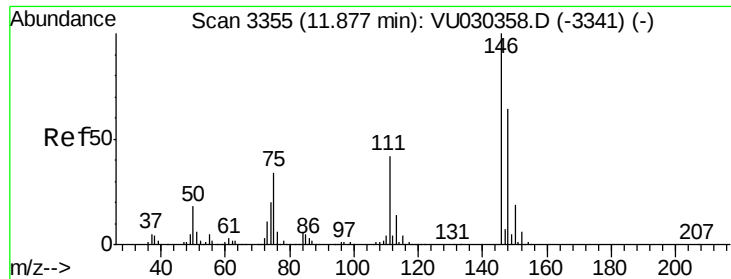


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 56.544 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

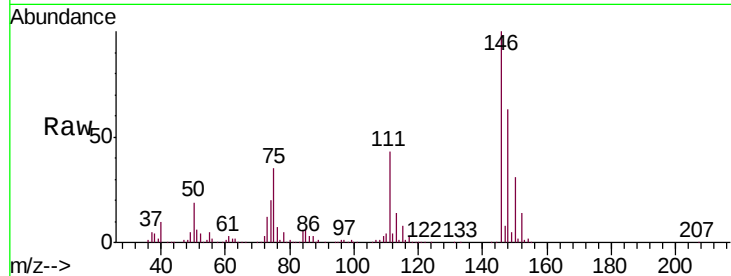
Tgt Ion:146 Resp: 359613

Ion Ratio Lower Upper

146 100

111 43.1 34.9 52.3

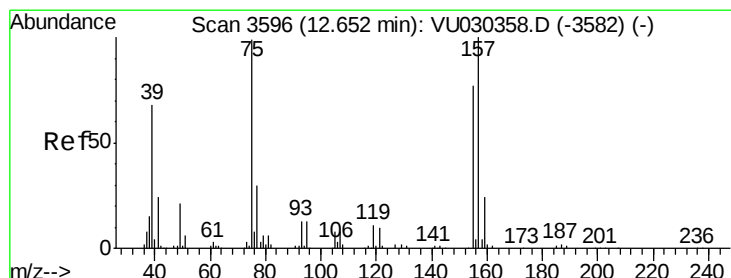
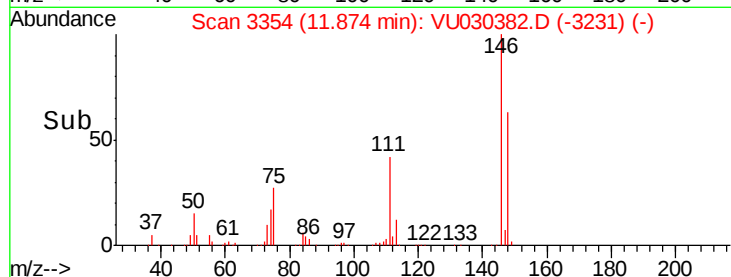
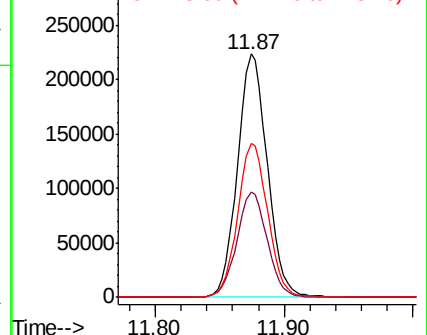
148 63.1 51.2 76.8



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: 48.897 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

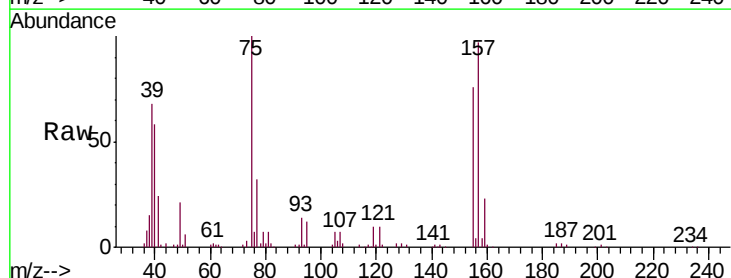
Tgt Ion: 75 Resp: 69243

Ion Ratio Lower Upper

75 100

155 75.6 61.8 92.6

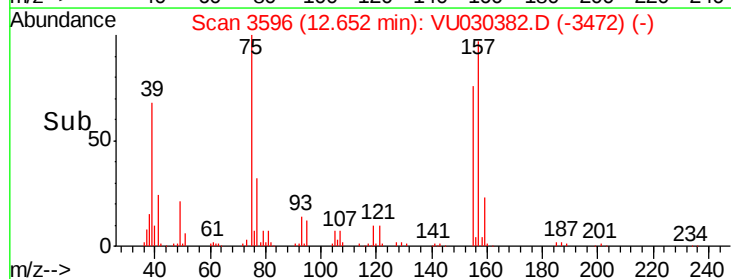
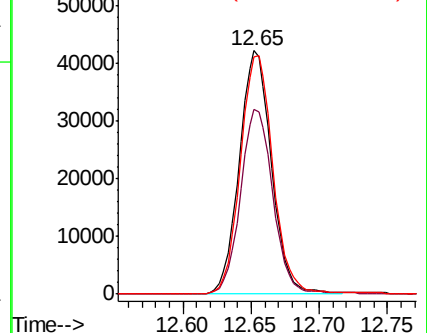
157 97.4 80.2 120.4

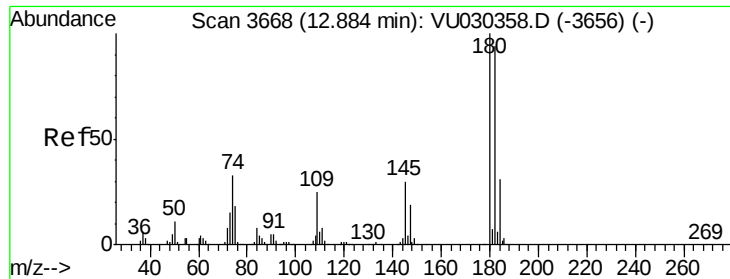


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

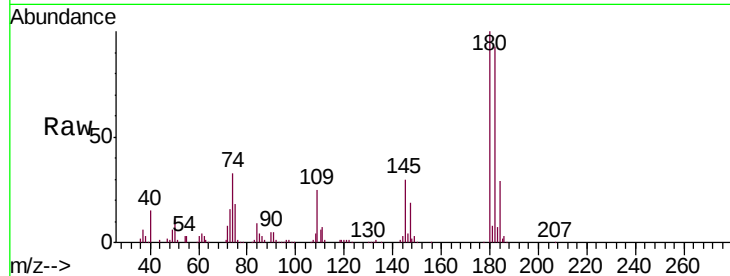




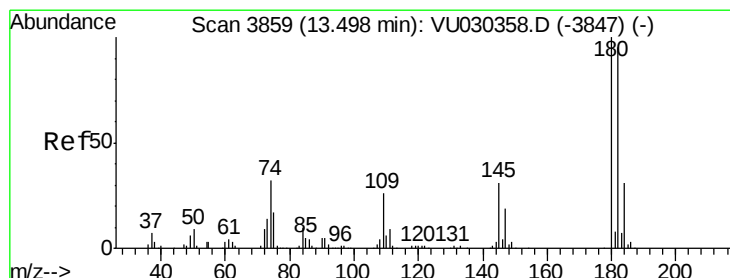
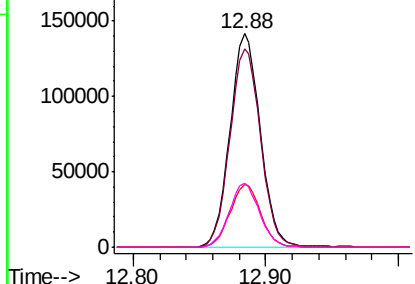
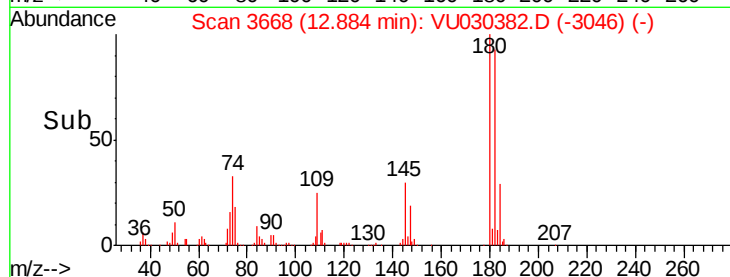
#67
 1,3,5-Trichlorobenzene
 Concen: 47.712 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU030382.D
 Acq: 24 Mar 2019 20:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Tgt Ion:180 Resp: 224658
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.9 113.9
 184 29.9 24.1 36.1
 145 30.0 23.8 35.8

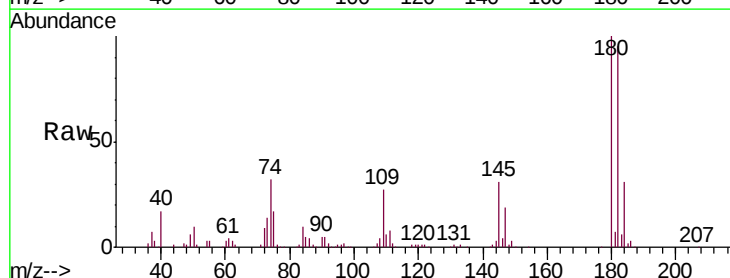


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

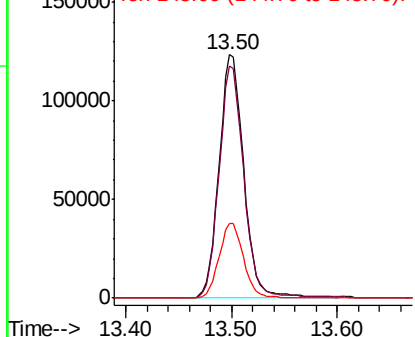
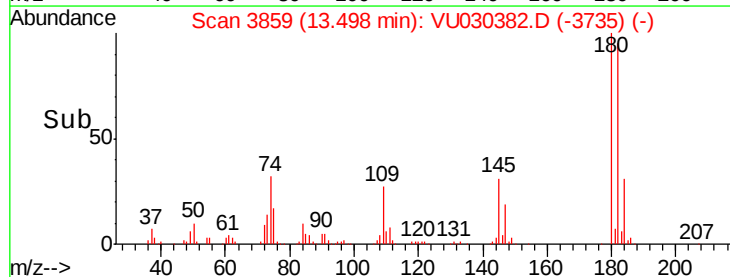


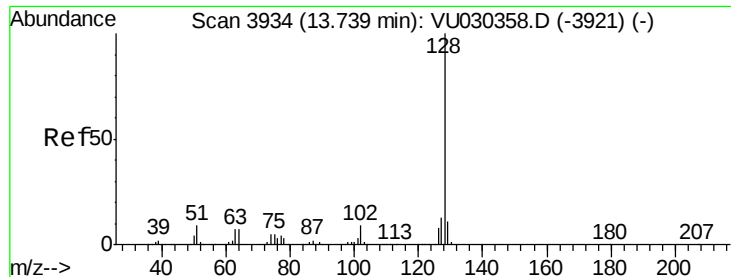
#68
 1,2,4-trichlorobenzene
 Concen: 49.087 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU030382.D
 Acq: 24 Mar 2019 20:36

Tgt Ion:180 Resp: 200822
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.1 114.1
 145 30.4 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: 43.668 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

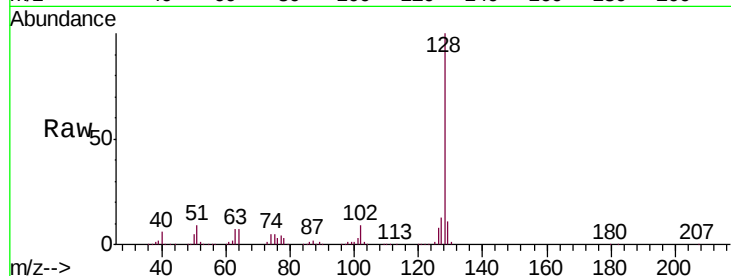
Tgt Ion:128 Resp: 635264

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

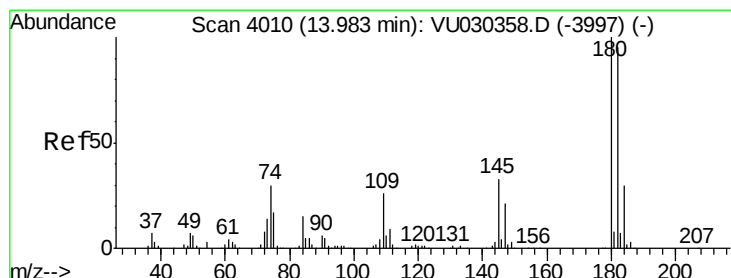
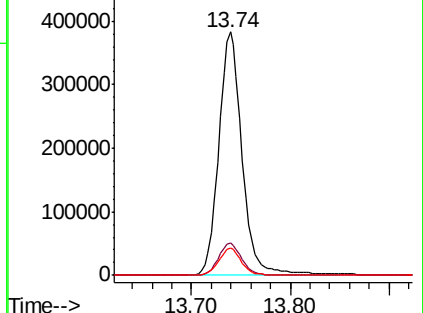
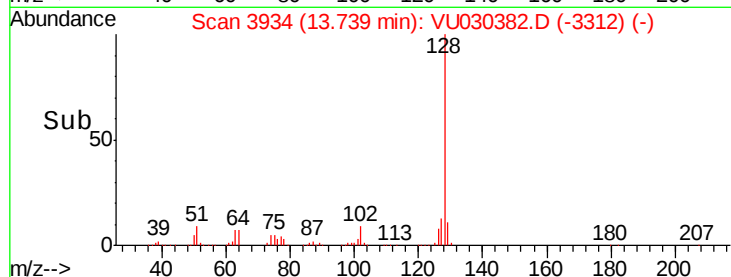
129 10.9 8.4 12.6



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: 46.725 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030382.D

Acq: 24 Mar 2019 20:36

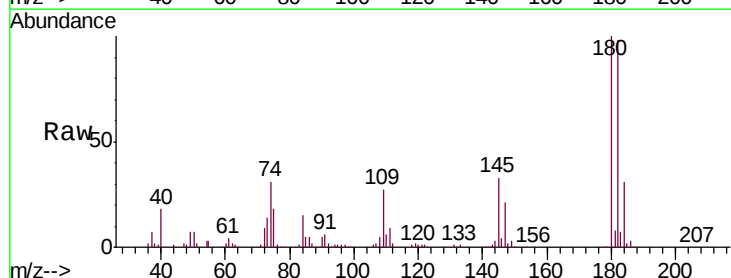
Tgt Ion:180 Resp: 201857

Ion Ratio Lower Upper

180 100

182 96.6 77.4 116.2

145 32.4 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

