

Data File : VU031668.D
Acq On : 01 May 2019 06:27
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

Quant Time: May 01 06:55:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 01 04:42:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	928936	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	884666	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	397105	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	283671	36.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.98%
7) Chloroethane-d5	1.68	69	240664	40.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.12%
11) 1,1-Dichloroethene-d2	2.27	63	637485	41.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.34%
21) 2-Butanone-d5	4.19	46	753515	106.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.97%
24) Chloroform-d	4.64	84	627188	44.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.10%
26) 1,2-Dichloroethane-d4	5.30	65	406062	43.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.30%
32) Benzene-d6	5.33	84	1213094	44.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.32%
36) 1,2-Dichloropropane-d6	6.32	67	436527	45.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.34%
41) Toluene-d8	7.56	98	1052819	44.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	7.85	79	184197	44.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.80%
47) 2-Hexanone-d5	8.31	63	500462	120.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.98%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	614298	47.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.78%
64) 1,2-Dichlorobenzene-d4	11.85	152	385776	46.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.38%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	423483	41.457 ug/L	98
3) Chloromethane	1.32	50	536731	43.428 ug/L	100
5) Vinyl chloride	1.40	62	505061	43.710 ug/L	99
6) Bromomethane	1.63	94	255695	41.961 ug/L	98
8) Chloroethane	1.70	64	275600	43.634 ug/L	99
9) Trichlorofluoromethane	1.88	101	553564	42.025 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	320812	43.084 ug/L	100
12) 1,1-Dichloroethene	2.28	96	323629	44.653 ug/L	94
13) Acetone	2.34	43	510111	64.289 ug/L	98
14) Carbon disulfide	2.47	76	1015937	42.242 ug/L	100
15) Methyl Acetate	2.62	43	580289	48.333 ug/L	100
16) Methylene chloride	2.70	84	394233	46.092 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	344645	45.637 ug/L	99
18) Methyl tert-butyl Ether	2.99	73	1263962	52.533 ug/L	99
19) 1,1-Dichloroethane	3.44	63	751909	47.276 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	395058	48.767 ug/L	95
22) 2-Butanone	4.27	43	836198	95.122 ug/L	95

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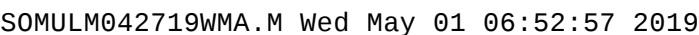
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

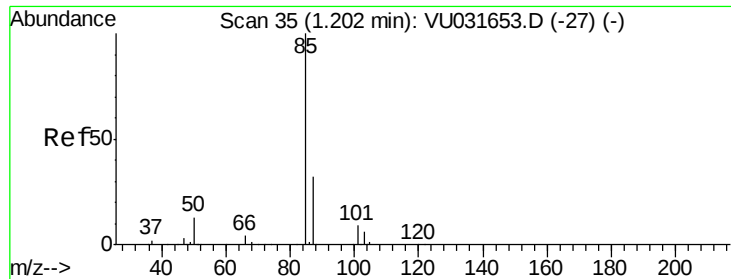
Quant Time: May 01 06:55:16 2019
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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	183262	46.556	ug/L	98
25) Chloroform	4.67	83	692916	45.560	ug/L	97
27) 1,2-Dichloroethane	5.40	62	559686	45.306	ug/L	100
29) Cyclohexane	4.99	56	716424	51.169	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	573159	46.241	ug/L	98
31) Carbon tetrachloride	5.13	117	470676	44.427	ug/L	99
33) Benzene	5.38	78	1559930	47.960	ug/L	100
34) Trichloroethene	6.18	95	389484	49.400	ug/L	98
35) Methylcyclohexane	6.41	83	583709	49.400	ug/L	98
37) 1,2-Dichloropropane	6.43	63	446074	48.309	ug/L	100
38) Bromodichloromethane	6.75	83	523961	46.800	ug/L	96
39) cis-1,3-Dichloropropene	7.26	75	627347	51.417	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1535285	108.069	ug/L	100
42) Toluene	7.63	91	1590075	49.077	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	529434	47.841	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	368582	48.419	ug/L	99
46) Tetrachloroethene	8.22	164	244582	45.504	ug/L	98
48) 2-Hexanone	8.37	43	1199949	104.434	ug/L	99
49) Dibromochloromethane	8.47	129	371927	46.958	ug/L	99
50) 1,2-Dibromoethane	8.58	107	388277	48.296	ug/L	99
51) Chlorobenzene	9.12	112	924542	48.288	ug/L	99
52) Ethylbenzene	9.25	91	1728544	51.432	ug/L	100
53) m,p-Xylene	9.37	106	619984	52.946	ug/L	99
54) o-xylene	9.77	106	614656	52.947	ug/L	97
55) Styrene	9.79	104	1043021	52.588	ug/L	100
56) Isopropylbenzene	10.16	105	1612369	52.818	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	651369	48.221	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	535674	48.930	ug/L	99
61) Bromoform	9.95	173	265828	45.159	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	658268	50.078	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	662585	48.672	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	681575	48.787	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	147784	45.580	ug/L	93
67) 1,3,5-Trichlorobenzene	12.88	180	462378	46.964	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	413176	53.011	ug/L	99
69) Naphthalene	13.74	128	1701103	64.013	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	430470	48.511	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 41.457 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

Instrument :

MSVOA_U

ClientSampleId :

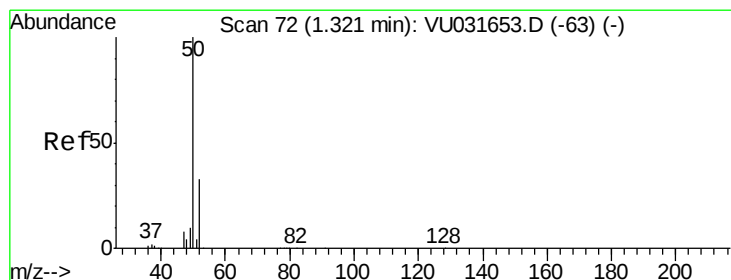
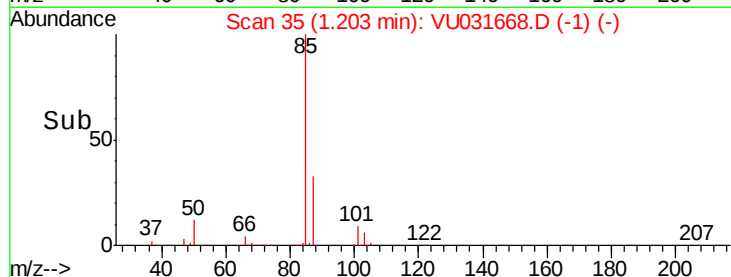
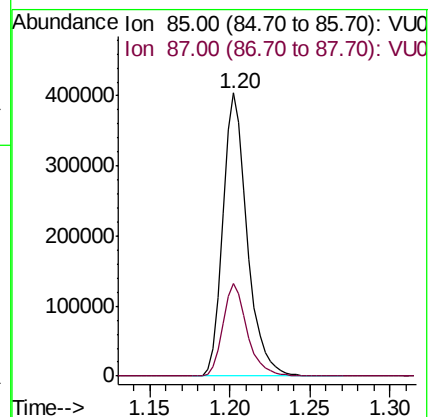
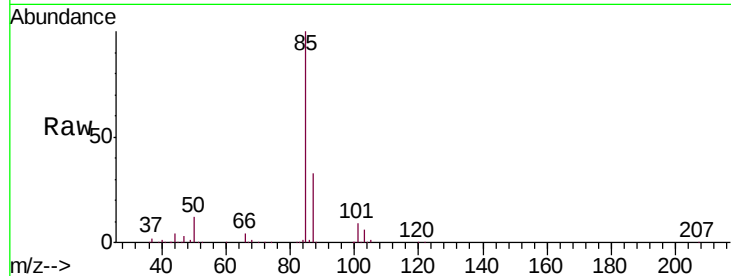
VSTD05057

Tgt Ion: 85 Resp: 423483

Ion Ratio Lower Upper

85 100

87 32.7 25.4 38.0



#3

Chloromethane

Concen: 43.428 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031668.D

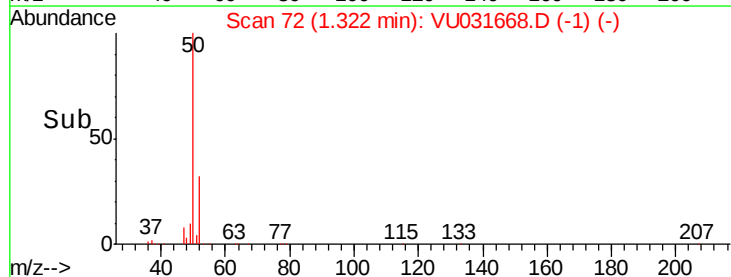
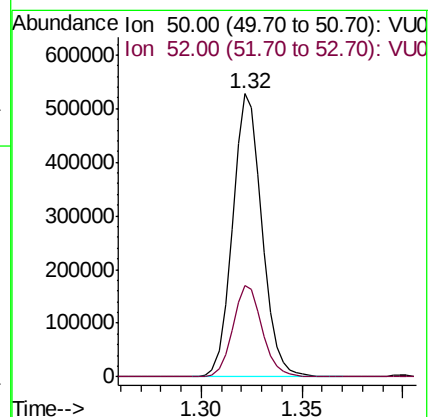
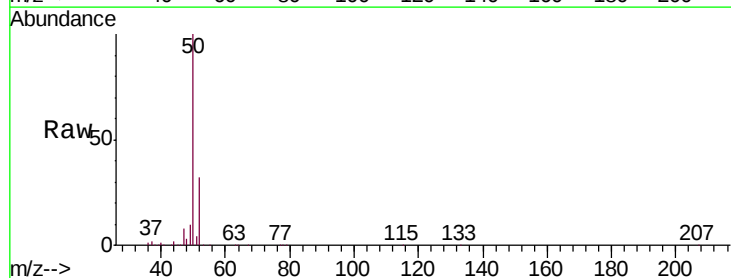
Acq: 01 May 2019 06:27

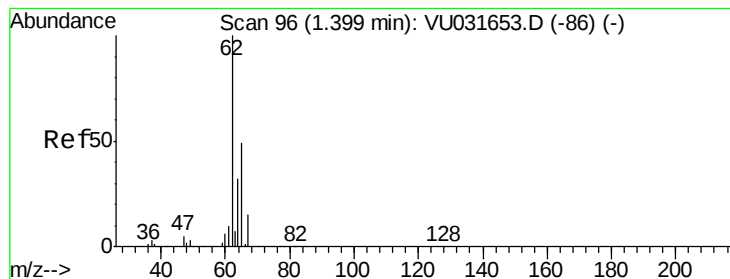
Tgt Ion: 50 Resp: 536731

Ion Ratio Lower Upper

50 100

52 32.4 22.6 42.0





#5

Vinyl chloride

Concen: 43.710 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

Instrument :

MSVOA_U

ClientSampleId :

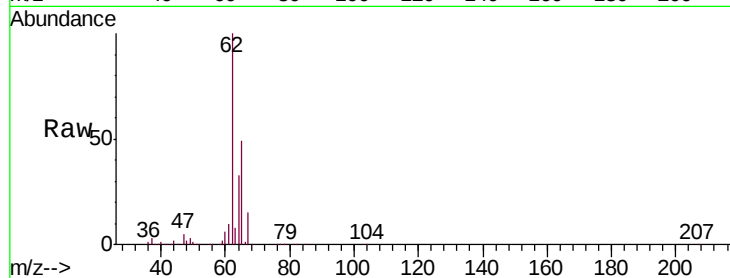
VSTD05057

Tgt Ion: 62 Resp: 505061

Ion Ratio Lower Upper

62 100

64 32.5 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU031653.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU031653.D (-86) (-)

1.40

400000

300000

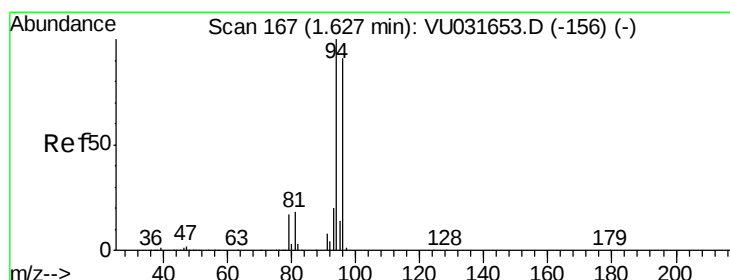
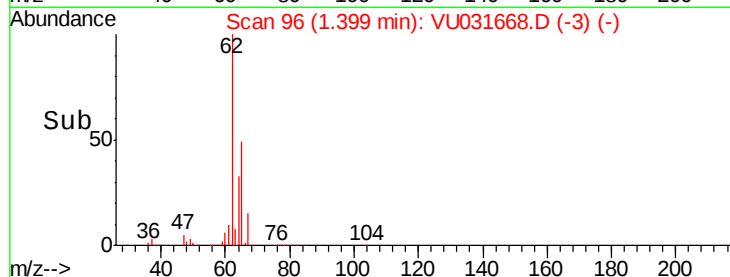
200000

100000

0

1.35 1.40 1.45 1.50

Time-->



#6

Bromomethane

Concen: 41.961 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU031668.D

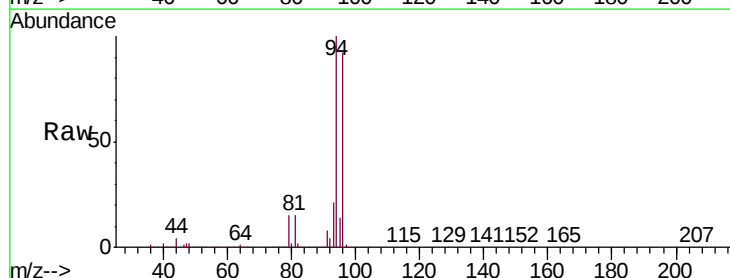
Acq: 01 May 2019 06:27

Tgt Ion: 94 Resp: 255695

Ion Ratio Lower Upper

94 100

96 92.3 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU031653.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU031653.D (-156) (-)

250000

200000

150000

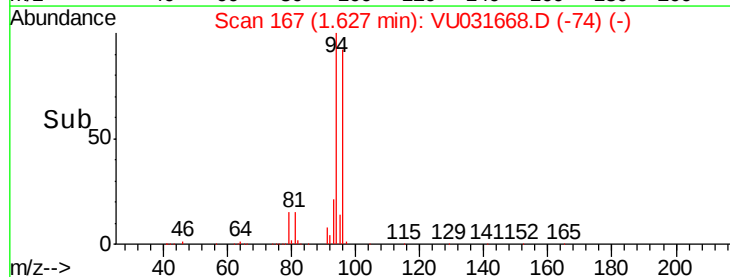
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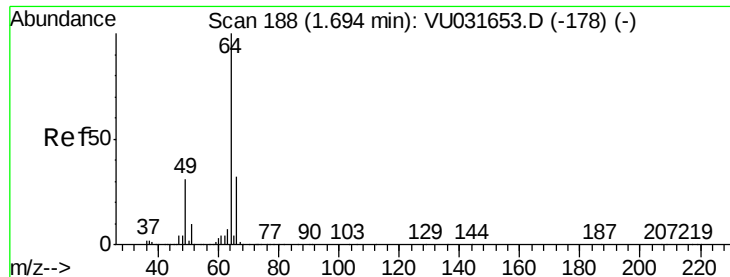
50000

0

1.60 1.65 1.70

Time-->

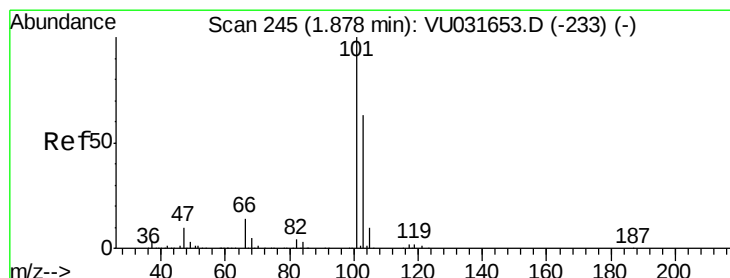
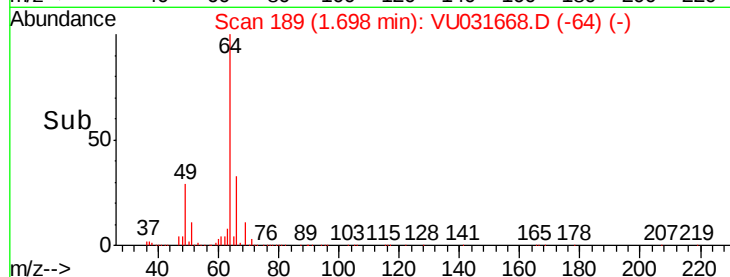
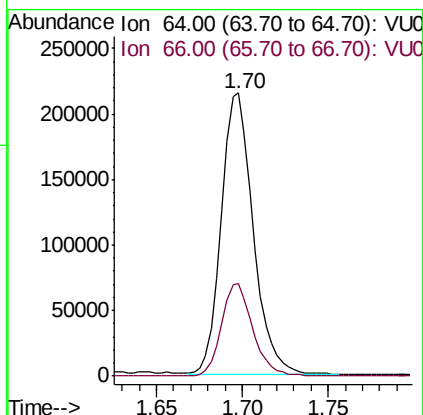
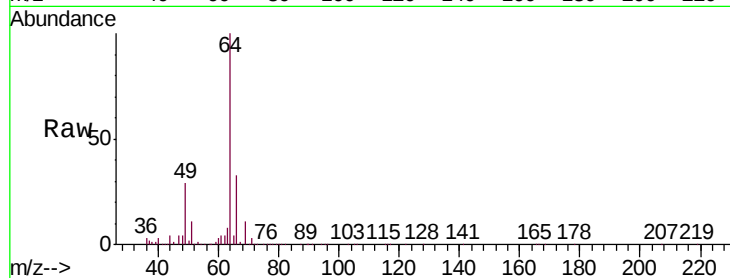




#8
Chloroethane
Concen: 43.634 ug/L
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU031668.D
Acq: 01 May 2019 06:27

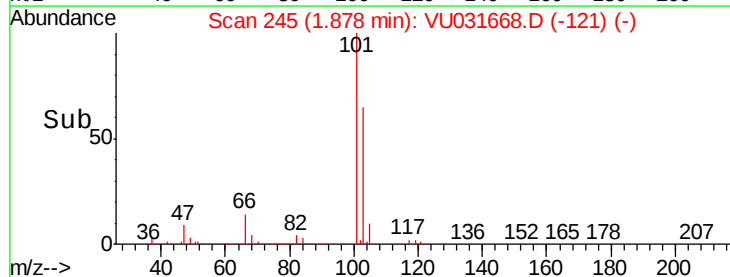
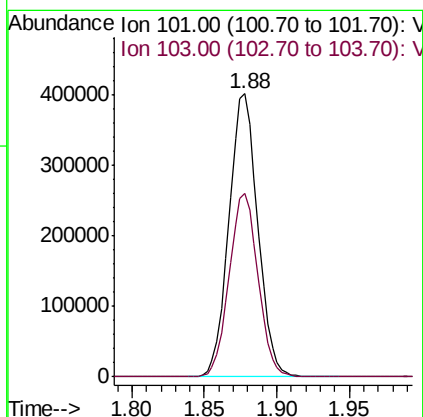
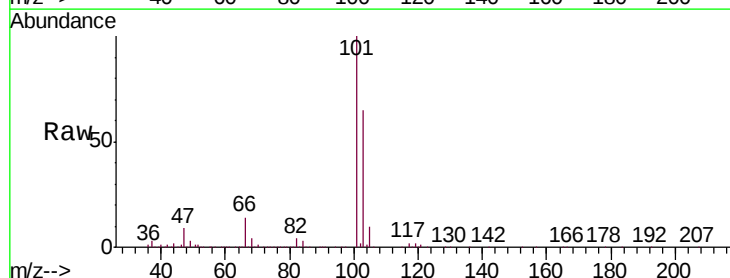
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

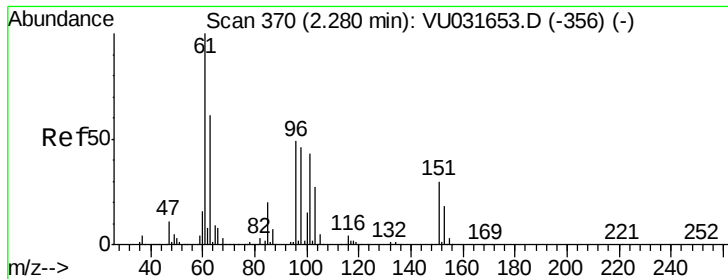
Tgt Ion: 64 Resp: 275600
Ion Ratio Lower Upper
64 100
66 32.6 23.2 43.0



#9
Trichlorofluoromethane
Concen: 42.025 ug/L
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU031668.D
Acq: 01 May 2019 06:27

Tgt Ion: 101 Resp: 553564
Ion Ratio Lower Upper
101 100
103 64.9 50.8 76.2





#10

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

Concen: 43.084 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

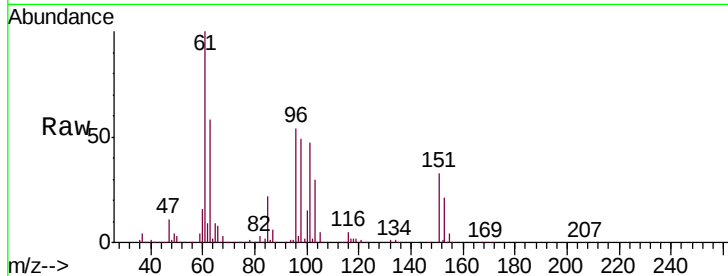
Tgt Ion: 101 Resp: 320812

Ion Ratio Lower Upper

101 100

85 45.1 36.1 54.1

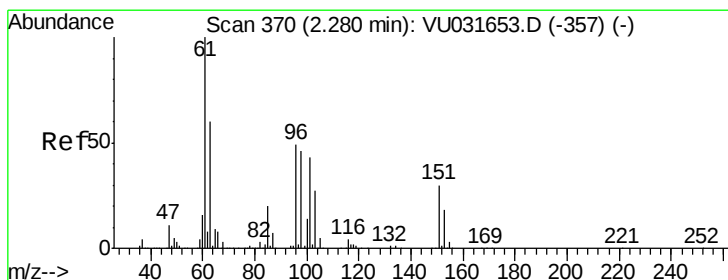
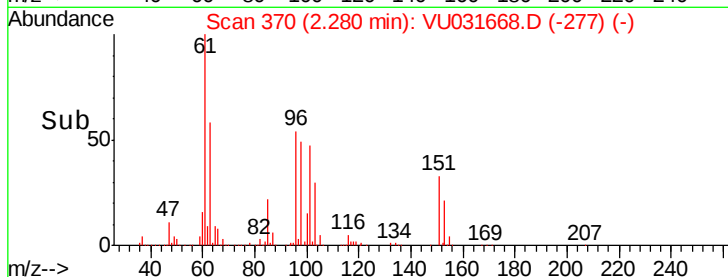
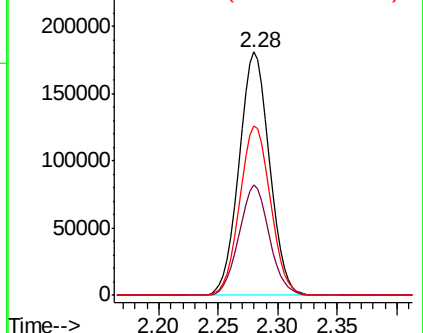
151 70.6 56.1 84.1



Abundance Ion 101.00 (100.70 to 101.70): VU031668.D (-277) (-)

Ion 85.00 (84.70 to 85.70): VU031668.D (-277) (-)

Ion 151.00 (150.70 to 151.70): VU031668.D (-277) (-)



#12

1,1-Dichloroethene

Concen: 44.653 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

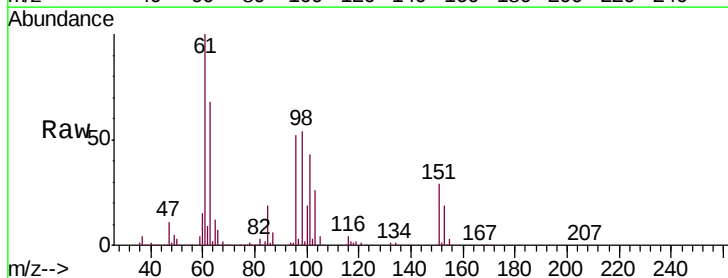
Tgt Ion: 96 Resp: 323629

Ion Ratio Lower Upper

96 100

61 192.0 135.0 250.6

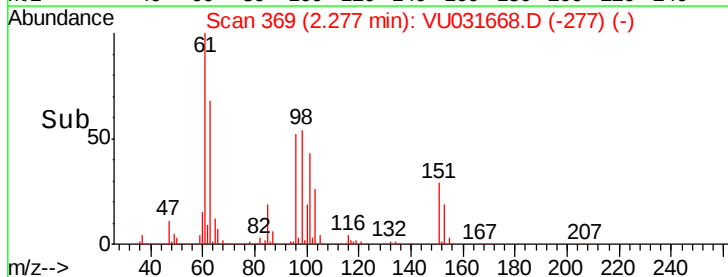
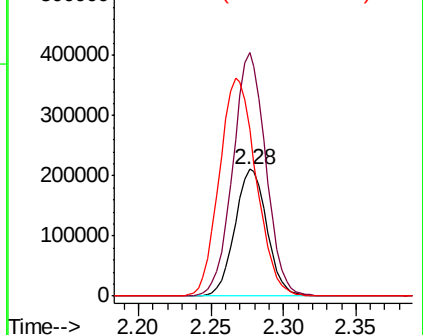
63 131.4 103.5 192.3

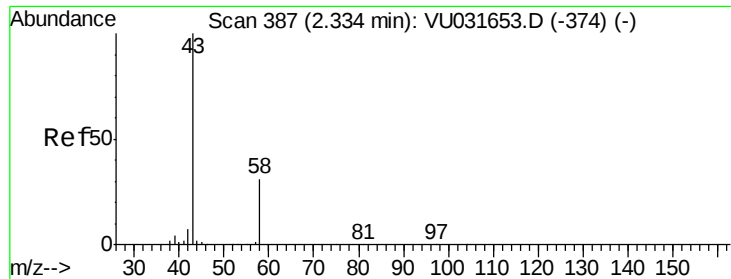


Abundance Ion 96.00 (95.70 to 96.70): VU031668.D (-277) (-)

Ion 61.00 (60.70 to 61.70): VU031668.D (-277) (-)

Ion 63.00 (62.70 to 63.70): VU031668.D (-277) (-)





#13

Acetone

Concen: 64.289 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

Instrument :

MSVOA_U

ClientSampleId :

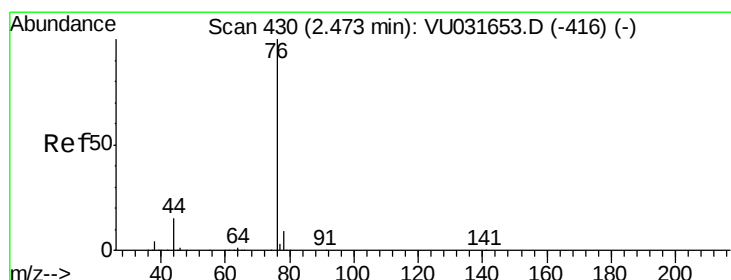
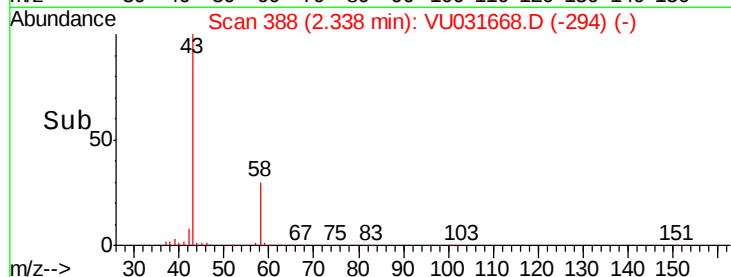
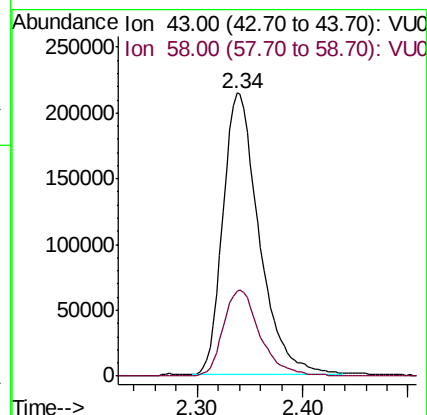
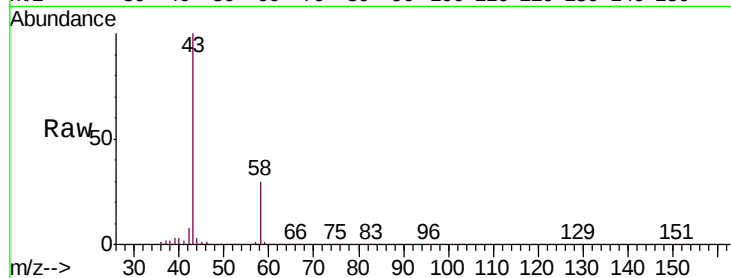
VSTD05057

Tgt Ion: 43 Resp: 510111

Ion Ratio Lower Upper

43 100

58 31.0 0.0 64.4



#14

Carbon disulfide

Concen: 42.242 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU031668.D

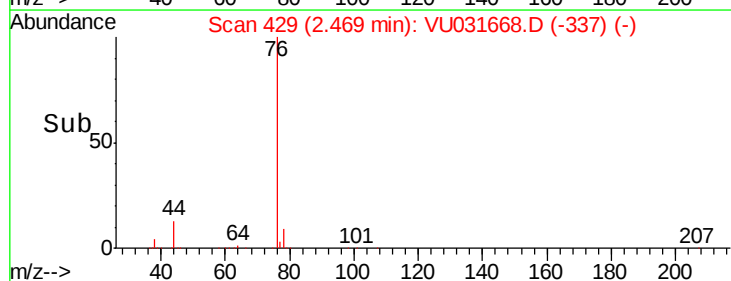
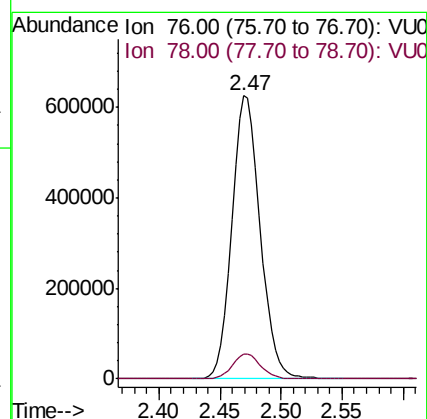
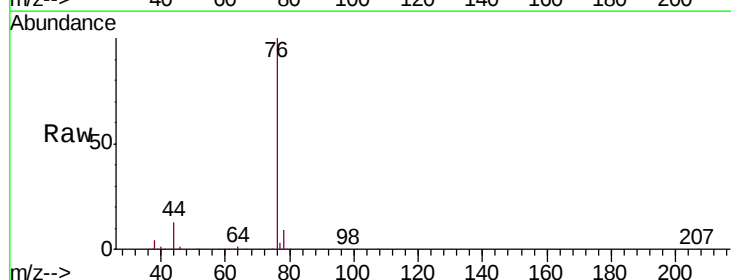
Acq: 01 May 2019 06:27

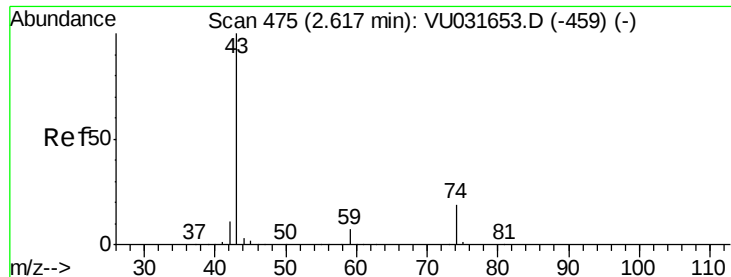
Tgt Ion: 76 Resp: 1015937

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

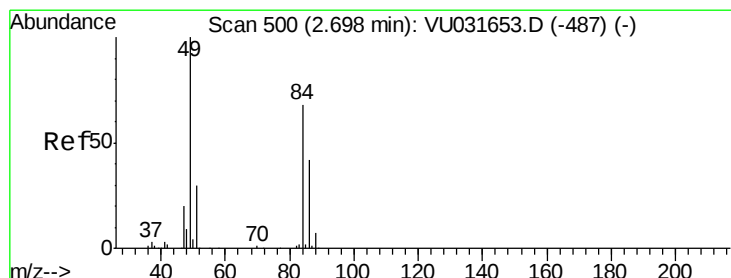
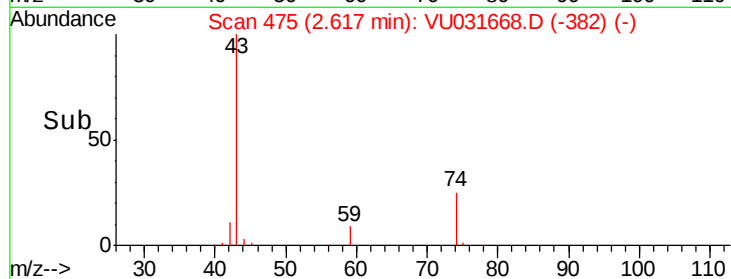
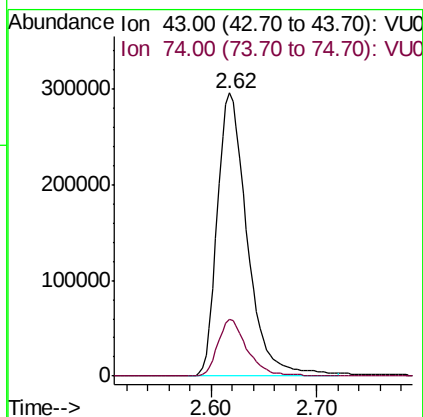
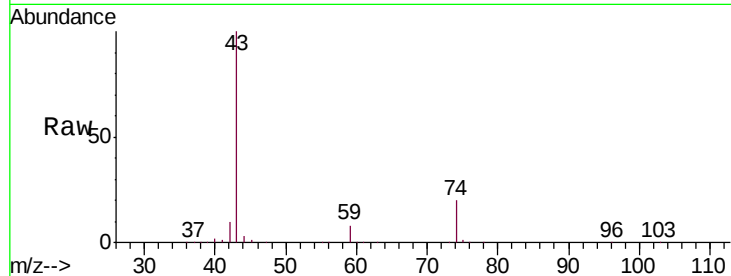




#15
Methyl Acetate
Concen: 48.333 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU031668.D
Acq: 01 May 2019 06:27

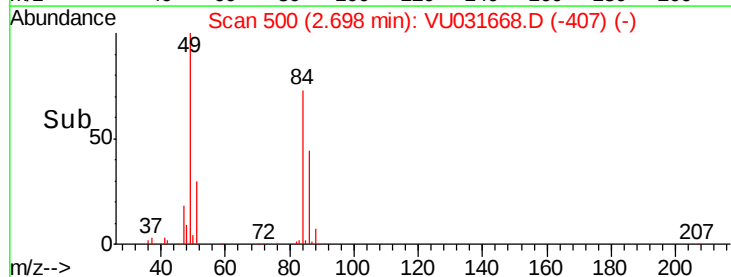
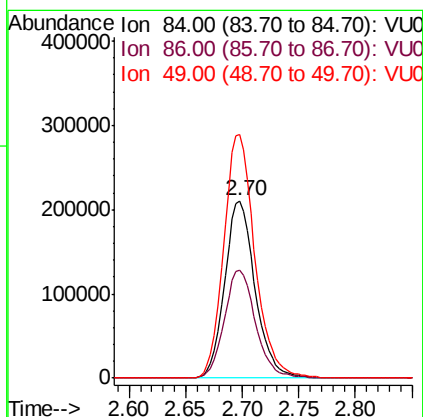
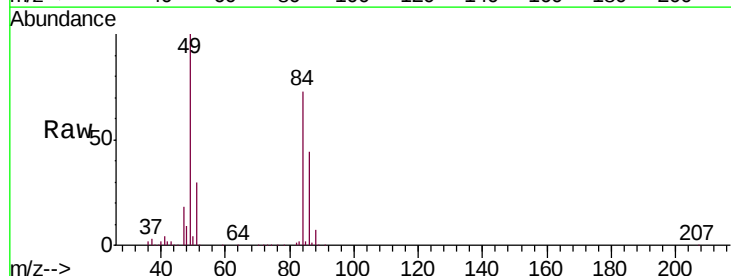
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

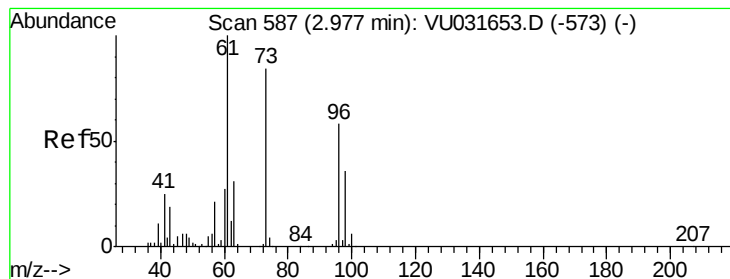
Tgt Ion: 43 Resp: 580289
Ion Ratio Lower Upper
43 100
74 19.7 15.7 23.5



#16
Methylene chloride
Concen: 46.092 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031668.D
Acq: 01 May 2019 06:27

Tgt Ion: 84 Resp: 394233
Ion Ratio Lower Upper
84 100
86 60.6 44.7 83.1
49 137.4 96.5 179.3





#17

trans-1,2-Dichloroethene

Concen: 45.637 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

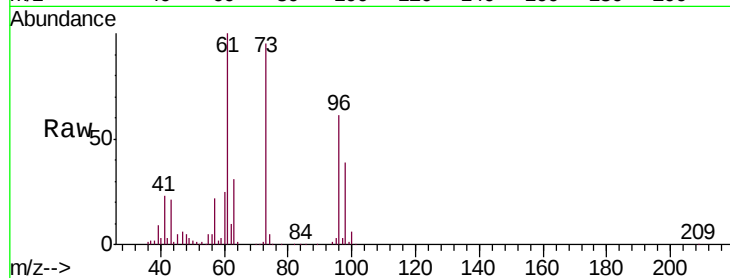
Tgt Ion: 96 Resp: 344645

Ion Ratio Lower Upper

96 100

61 163.4 114.5 212.7

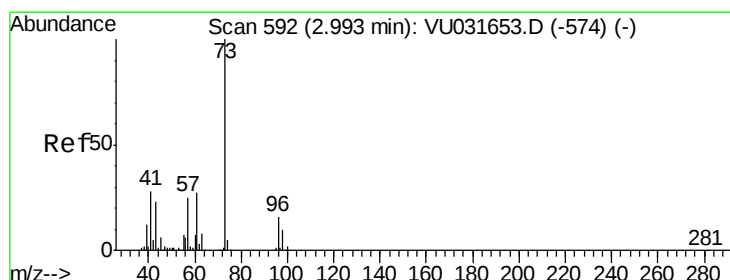
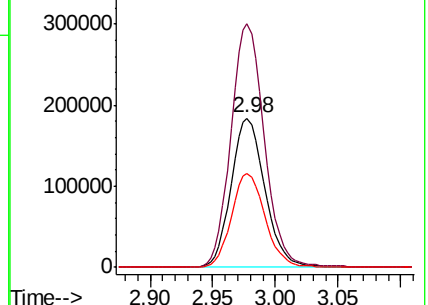
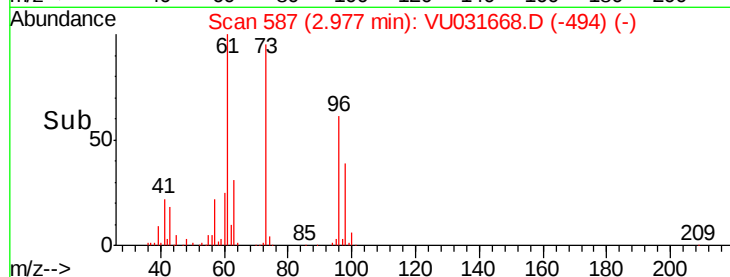
98 62.9 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU031668.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU031668.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU031668.D (-494) (-)



#18

Methyl tert-butyl Ether

Concen: 52.533 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

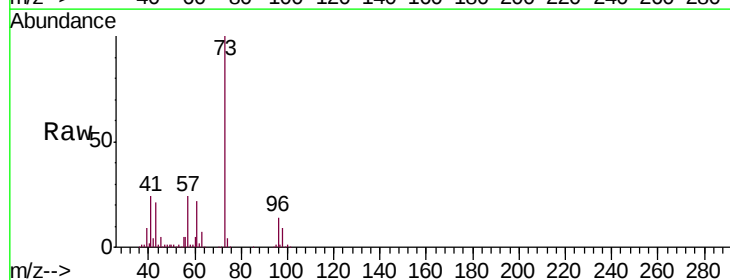
Tgt Ion: 73 Resp: 1263962

Ion Ratio Lower Upper

73 100

43 20.6 17.0 25.4

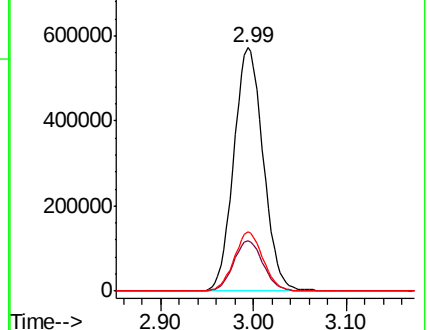
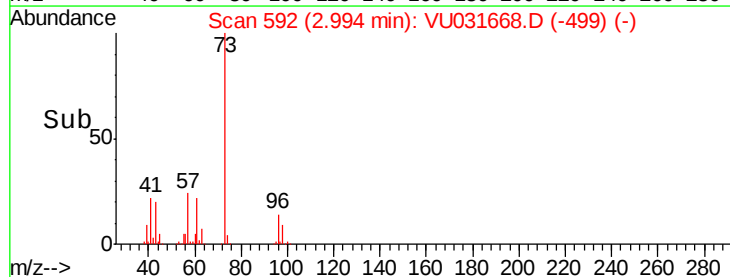
57 23.9 19.5 29.3

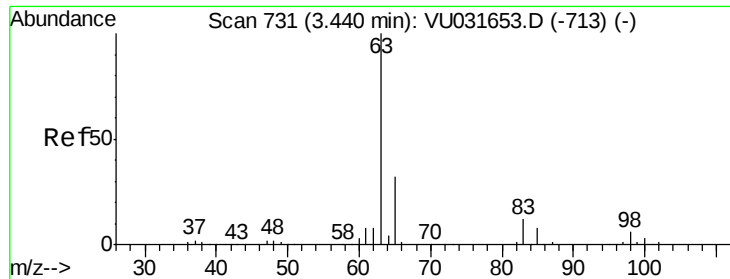


Abundance Ion 73.00 (72.70 to 73.70): VU031668.D (-499) (-)

Ion 43.00 (42.70 to 43.70): VU031668.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU031668.D (-499) (-)

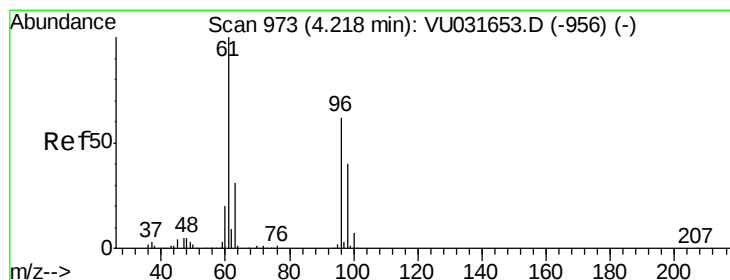
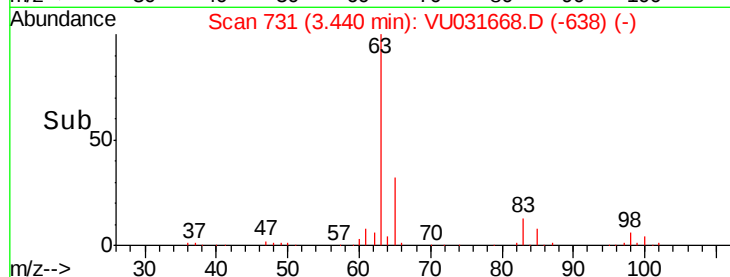
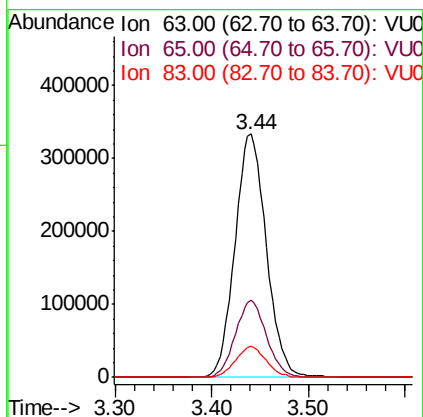
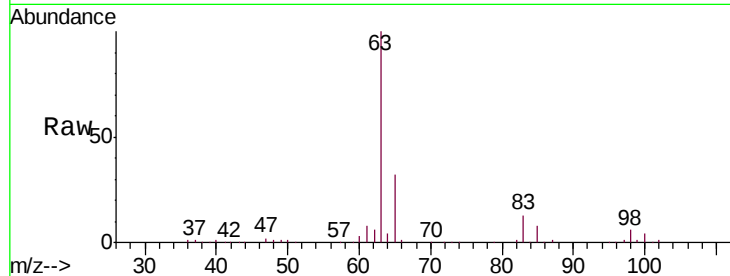




#19
 1,1-Dichloroethane
 Concen: 47.276 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031668.D
 Acq: 01 May 2019 06:27

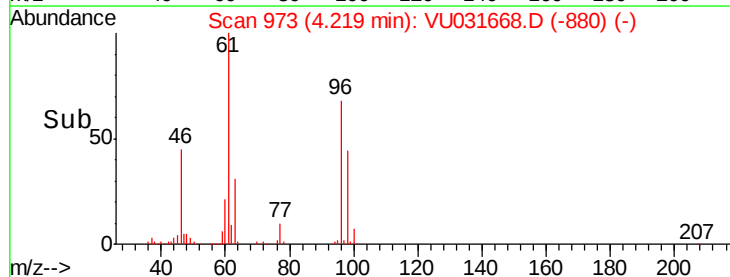
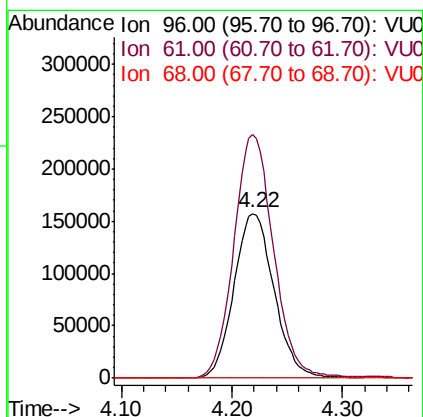
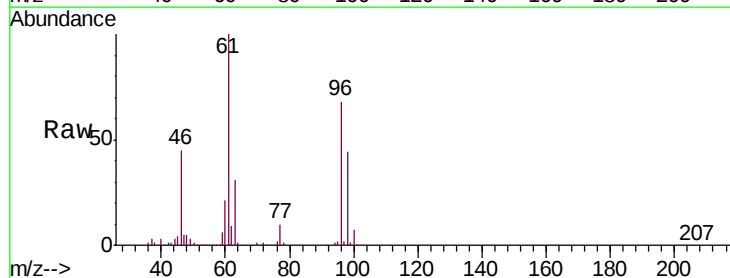
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

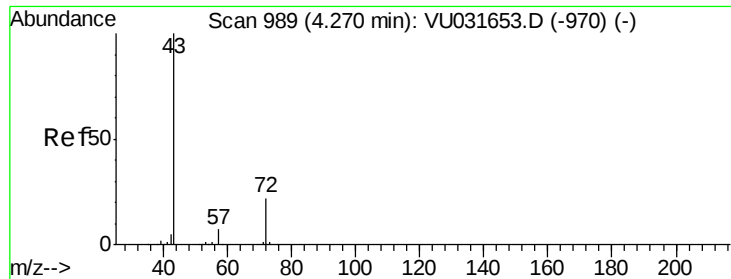
Tgt Ion: 63 Resp: 751909
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.0 40.8
 83 12.6 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 48.767 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031668.D
 Acq: 01 May 2019 06:27

Tgt Ion: 96 Resp: 395058
 Ion Ratio Lower Upper
 96 100
 61 147.8 99.5 184.7
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 95.122 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

Instrument :

MSVOA_U

ClientSampleId :

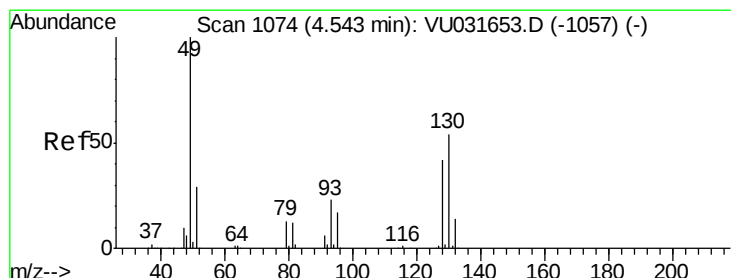
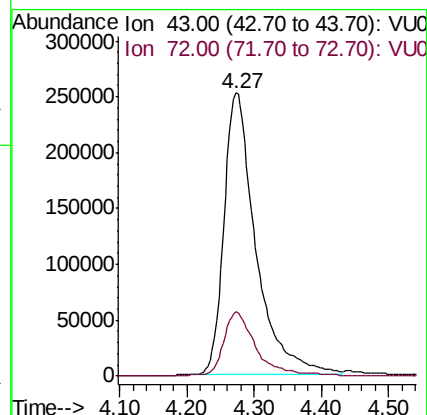
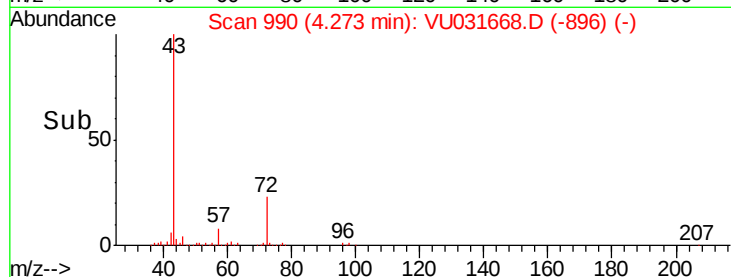
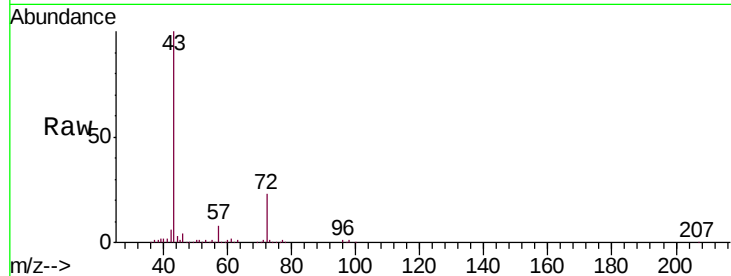
VSTD05057

Tgt Ion: 43 Resp: 836198

Ion Ratio Lower Upper

43 100

72 20.5 11.4 34.2



#23

Bromochloromethane

Concen: 46.556 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

Tgt Ion: 128 Resp: 183262

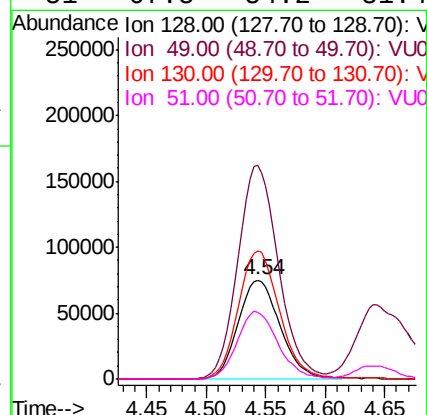
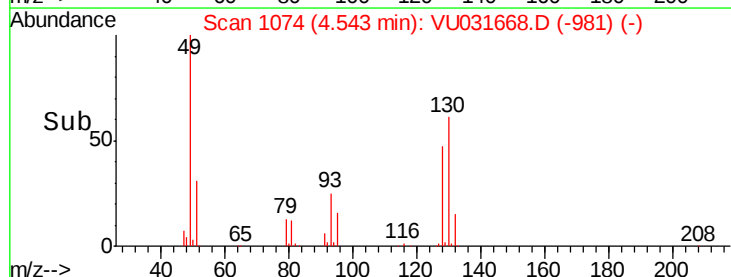
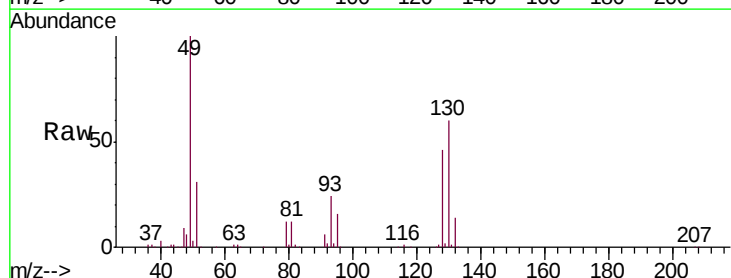
Ion Ratio Lower Upper

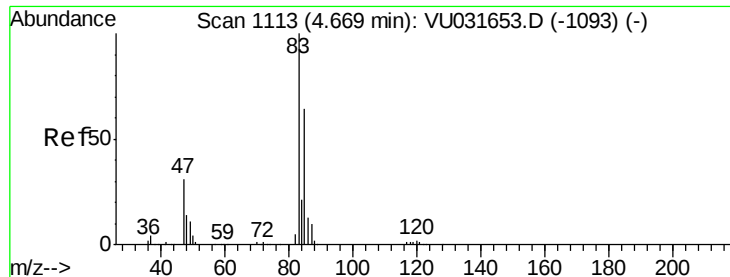
128 100

49 216.2 152.6 283.4

130 130.0 93.7 173.9

51 67.5 54.2 81.4

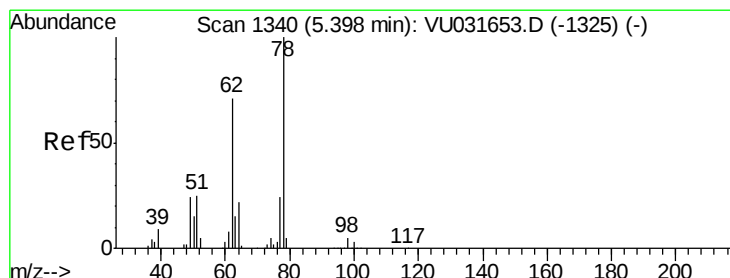
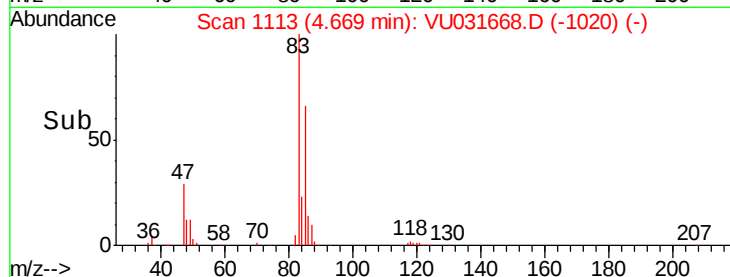
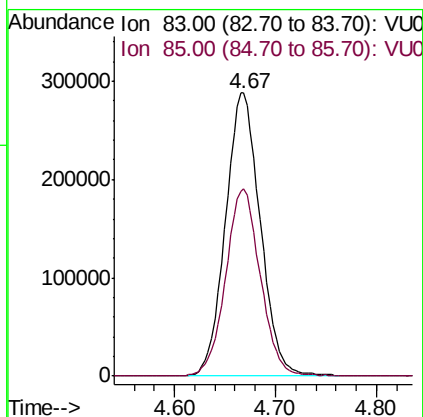
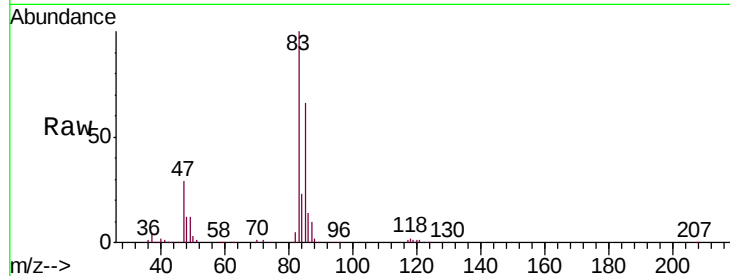




#25
Chloroform
Concen: 45.560 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031668.D
Acq: 01 May 2019 06:27

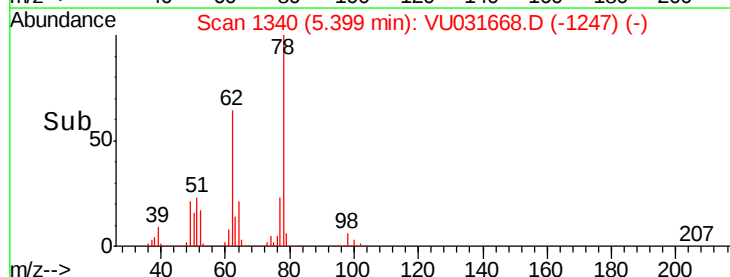
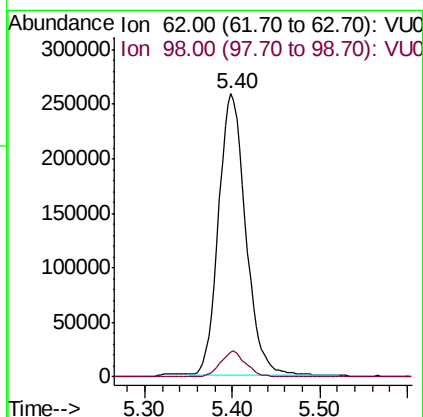
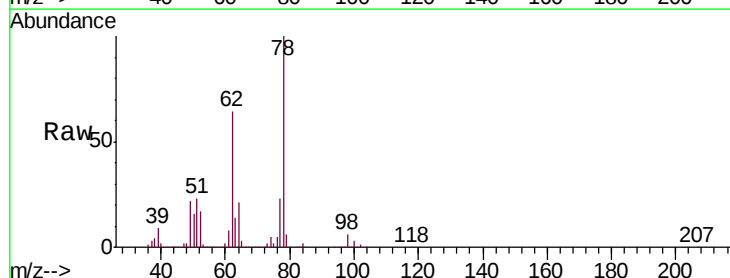
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

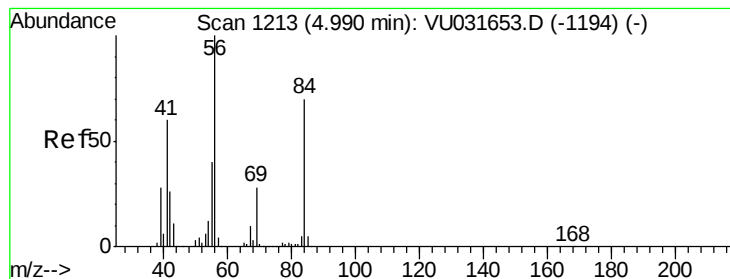
Tgt Ion: 83 Resp: 692916
Ion Ratio Lower Upper
83 100
85 66.2 44.9 83.3



#27
1,2-Dichloroethane
Concen: 45.306 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU031668.D
Acq: 01 May 2019 06:27

Tgt Ion: 62 Resp: 559686
Ion Ratio Lower Upper
62 100
98 9.0 7.1 10.7





#29

Cyclohexane

Concen: 51.169 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

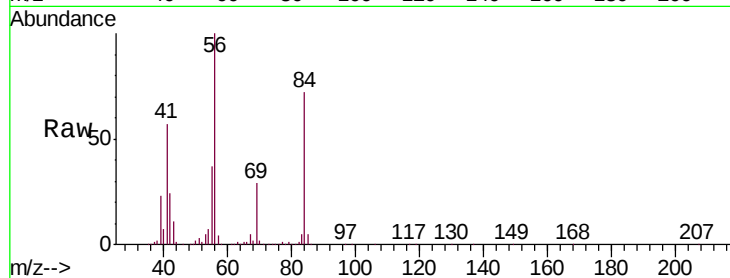
Tgt Ion: 56 Resp: 716424

Ion Ratio Lower Upper

56 100

69 28.7 22.3 33.5

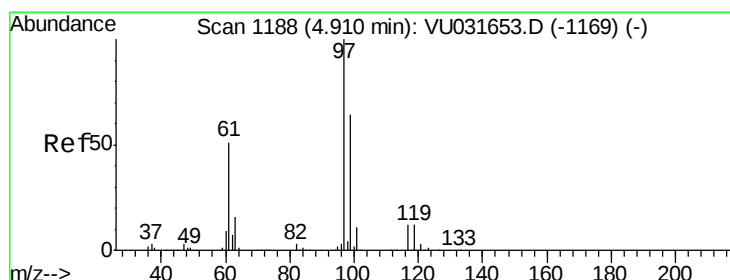
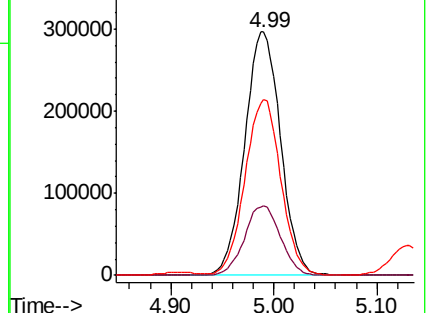
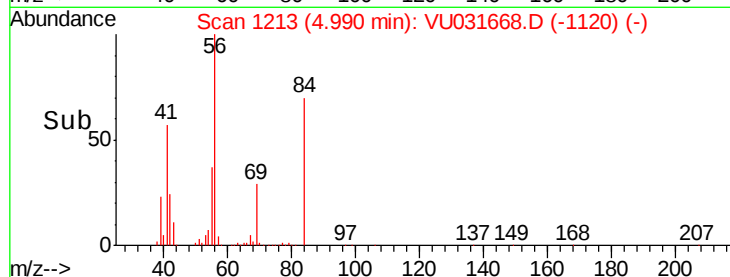
84 72.2 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VU031668.D (-1120) (-)

Ion 69.00 (68.70 to 69.70): VU031668.D (-1120) (-)

Ion 84.00 (83.70 to 84.70): VU031668.D (-1120) (-)



#30

1,1,1-Trichloroethane

Concen: 46.241 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

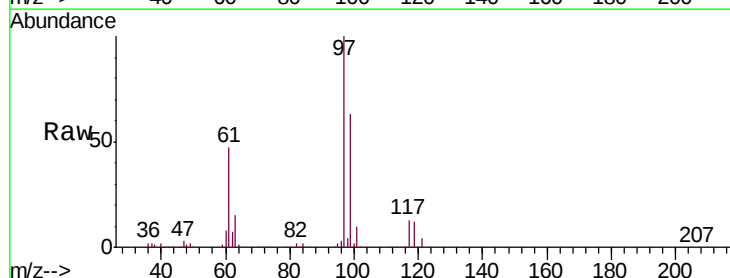
Tgt Ion: 97 Resp: 573159

Ion Ratio Lower Upper

97 100

99 63.6 52.0 78.0

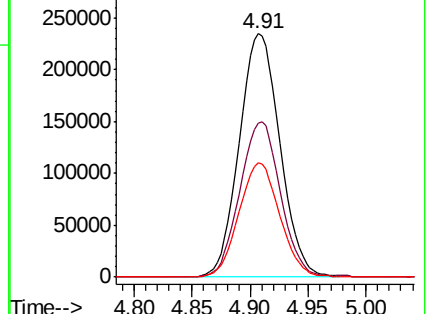
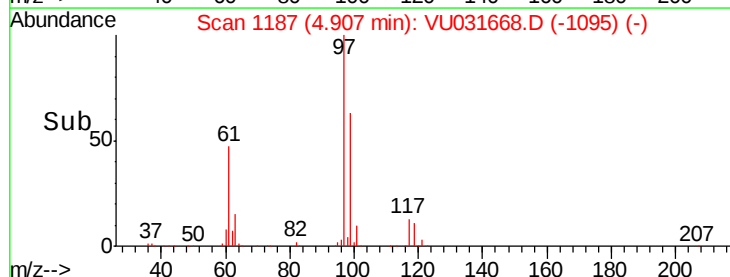
61 47.0 38.7 58.1

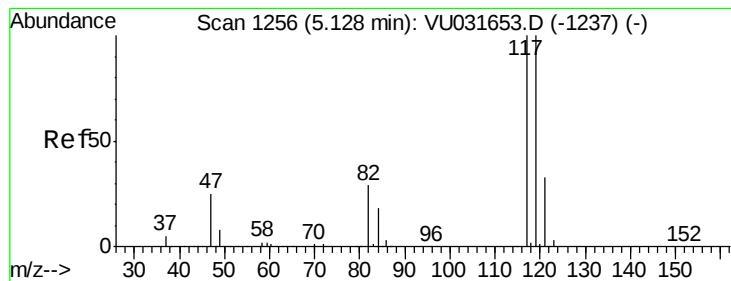


Abundance Ion 97.00 (96.70 to 97.70): VU031668.D (-1095) (-)

Ion 99.00 (98.70 to 99.70): VU031668.D (-1095) (-)

Ion 61.05 (60.75 to 61.75): VU031668.D (-1095) (-)





#31

Carbon tetrachloride

Concen: 44.427 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

Instrument :

MSVOA_U

ClientSampleId :

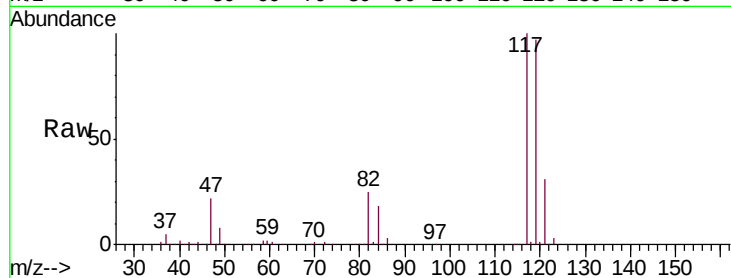
VSTD05057

Tgt Ion:117 Resp: 470676

Ion Ratio Lower Upper

117 100

119 96.7 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

200000

150000

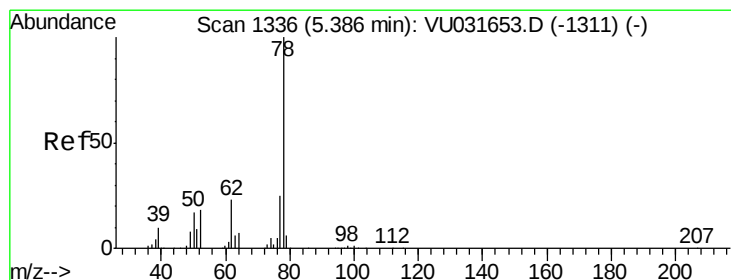
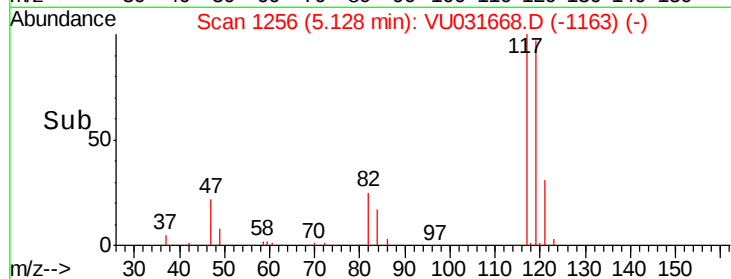
100000

50000

0

5.00 5.10 5.20

Time-->



#33

Benzene

Concen: 47.960 ug/L

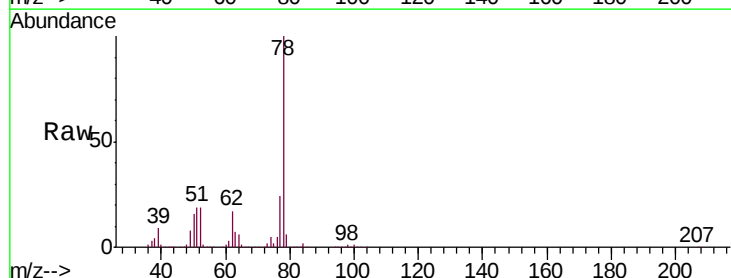
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

Tgt Ion: 78 Resp: 1559930



Abundance Ion 78.00 (77.70 to 78.70): VU0

800000

600000

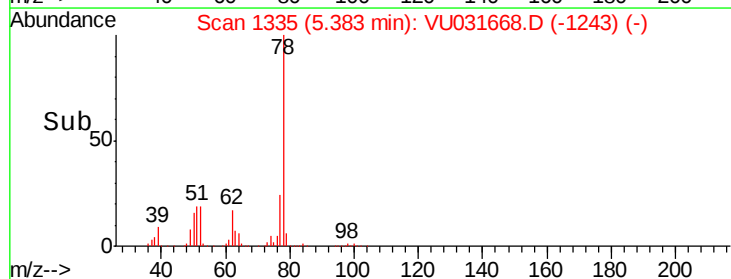
400000

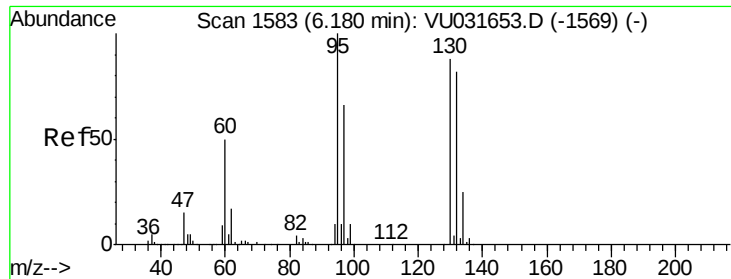
200000

0

5.30 5.40 5.50

Time-->

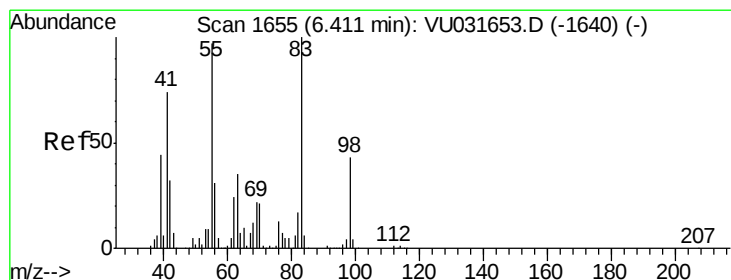
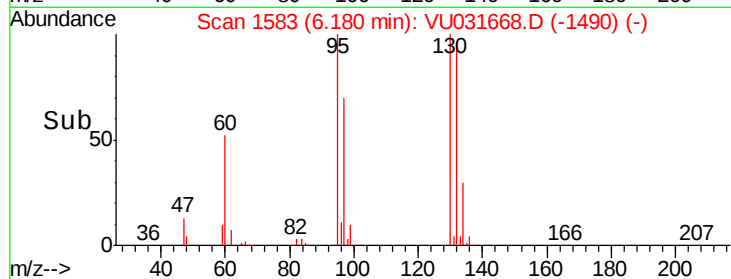
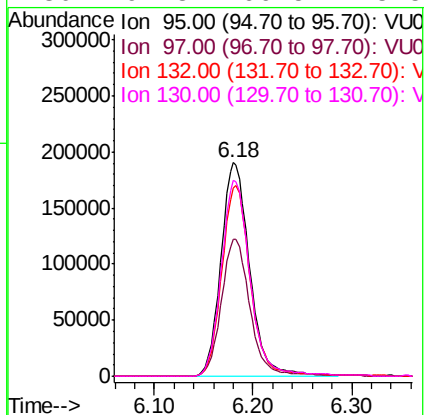
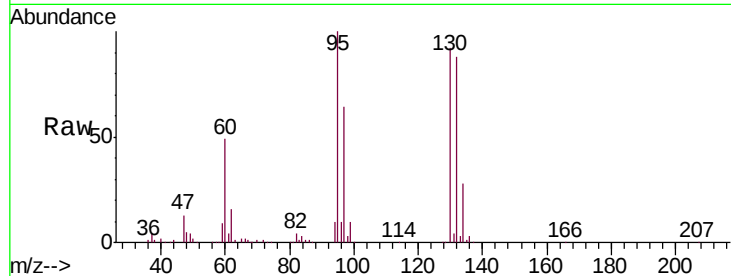




#34
 Trichloroethene
 Concen: 49.400 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU031668.D
 Acq: 01 May 2019 06:27

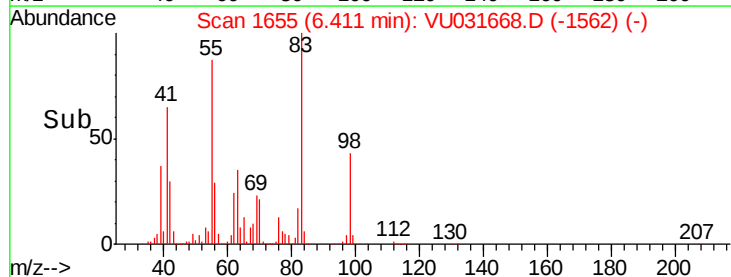
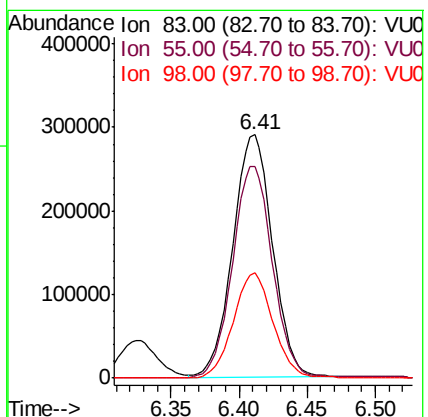
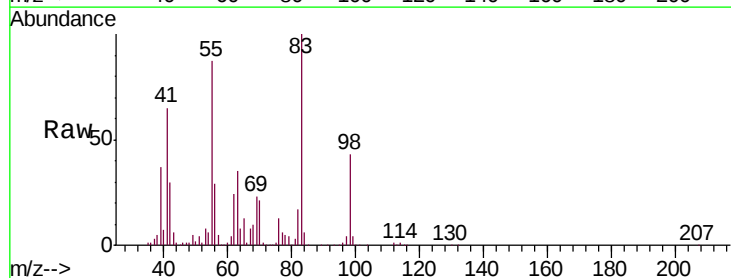
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

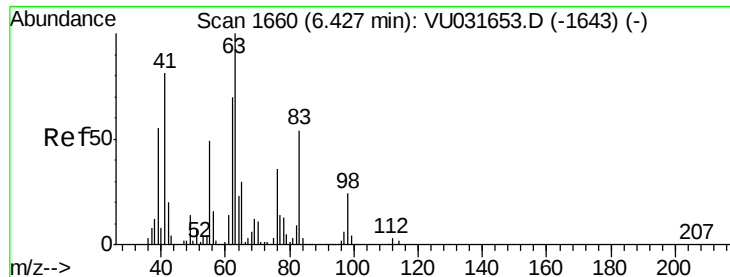
Tgt Ion:	95	Resp:	389484
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.8	83.2
132	88.0	63.1	117.1
130	91.8	66.5	123.5



#35
 Methylcyclohexane
 Concen: 49.400 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU031668.D
 Acq: 01 May 2019 06:27

Tgt Ion:	83	Resp:	583709
Ion	Ratio	Lower	Upper
83	100		
55	88.4	73.0	109.4
98	43.1	35.3	52.9





#37

1,2-Dichloropropane

Concen: 48.309 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

Instrument :

MSVOA_U

ClientSampleId :

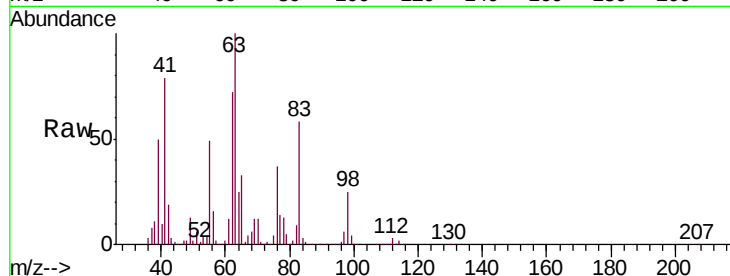
VSTD05057

Tgt Ion: 63 Resp: 446074

Ion Ratio Lower Upper

63 100

112 3.2 2.7 4.1



Abundance Ion 63.00 (62.70 to 63.70): VU031653.D (-1643) (-)

Ion 112.00 (111.70 to 112.70): VU031653.D (-1643) (-)

250000

200000

150000

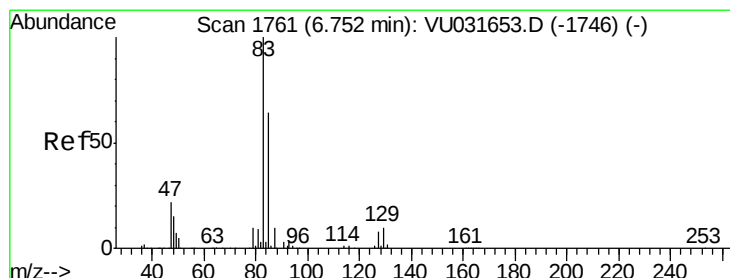
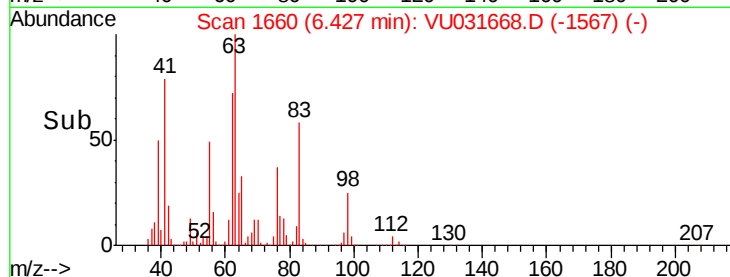
100000

50000

0

6.30 6.40 6.50

Time-->



#38

Bromodichloromethane

Concen: 46.800 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

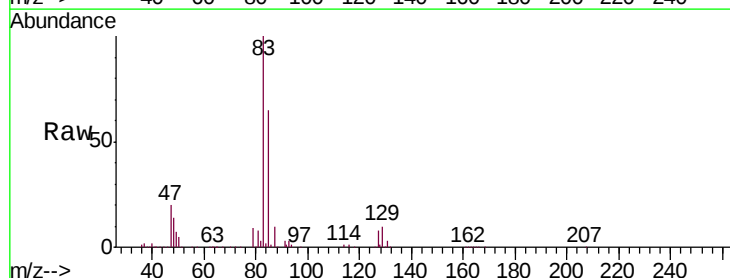
Tgt Ion: 83 Resp: 523961

Ion Ratio Lower Upper

83 100

85 65.3 43.7 81.1

127 7.6 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VU031653.D (-1746) (-)

Ion 85.00 (84.70 to 85.70): VU031653.D (-1746) (-)

Ion 127.00 (126.70 to 127.70): VU031653.D (-1746) (-)

300000

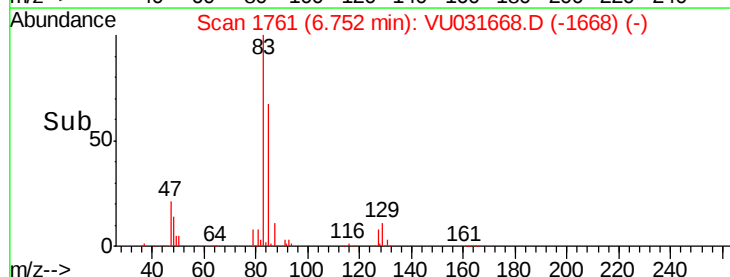
200000

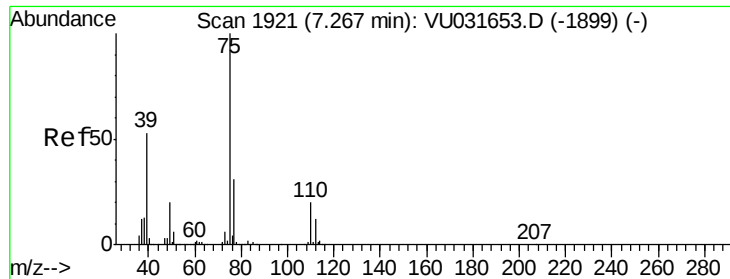
100000

0

6.70 6.80

Time-->

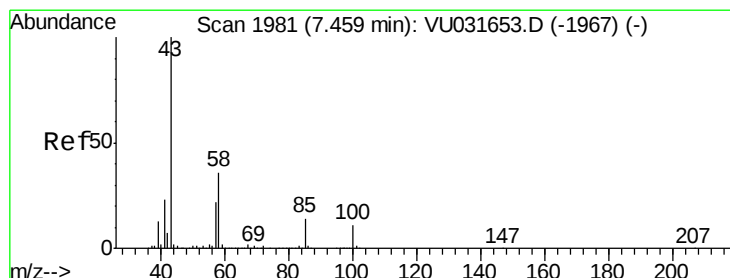
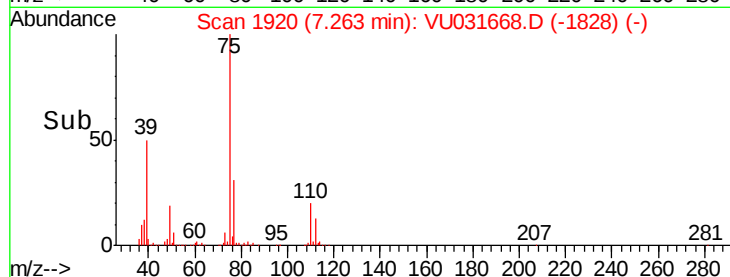
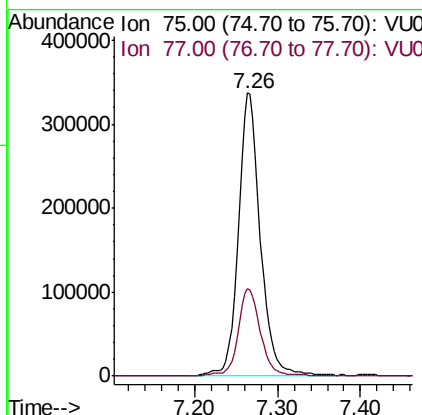
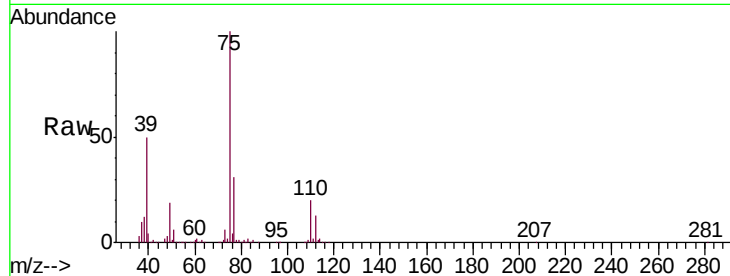




#39
 cis-1,3-Dichloropropene
 Concen: 51.417 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU031668.D
 Acq: 01 May 2019 06:27

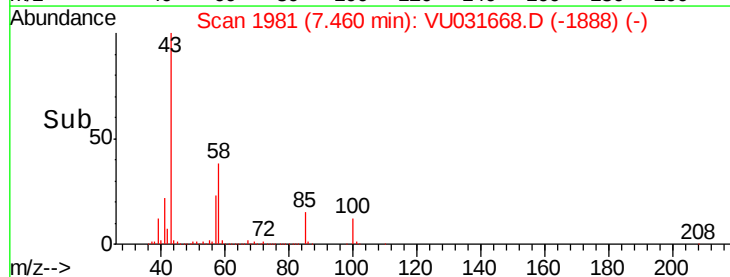
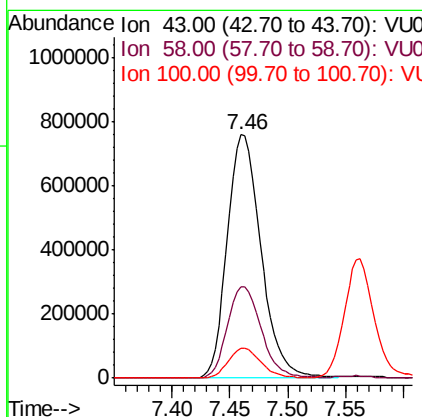
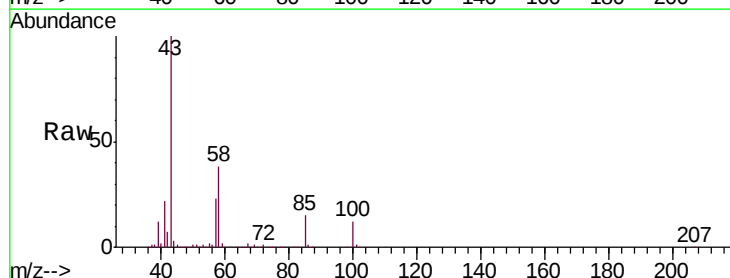
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

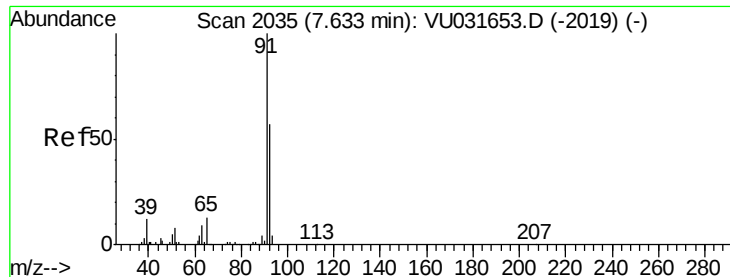
Tgt Ion: 75 Resp: 627347
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 108.069 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU031668.D
 Acq: 01 May 2019 06:27

Tgt Ion: 43 Resp: 1535285
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.1 45.1
 100 12.0 9.6 14.4





#42

Toluene

Concen: 49.077 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

Instrument :

MSVOA_U

ClientSampleId :

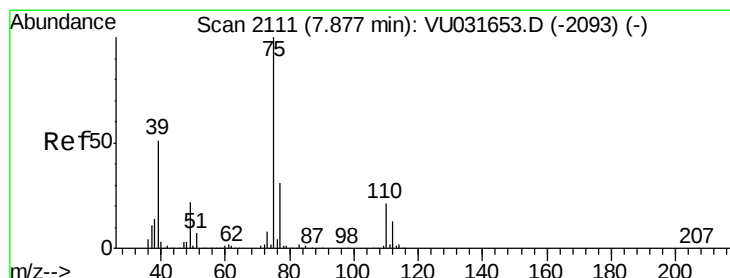
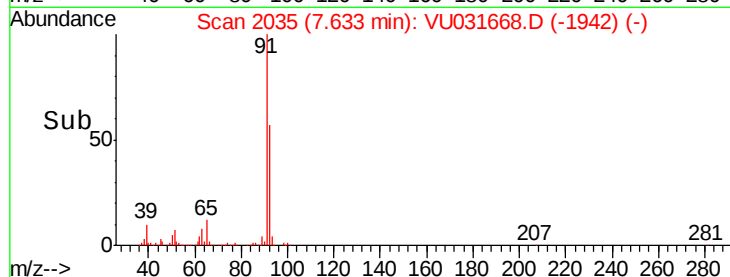
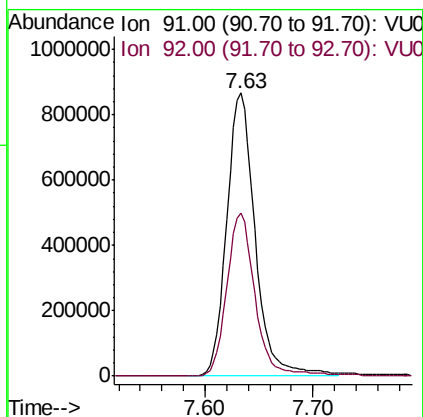
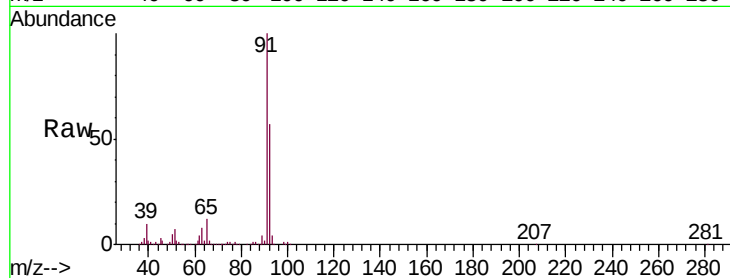
VSTD05057

Tgt Ion: 91 Resp: 1590075

Ion Ratio Lower Upper

91 100

92 57.4 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 47.841 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031668.D

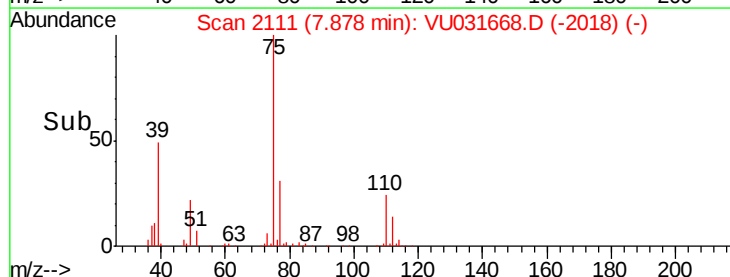
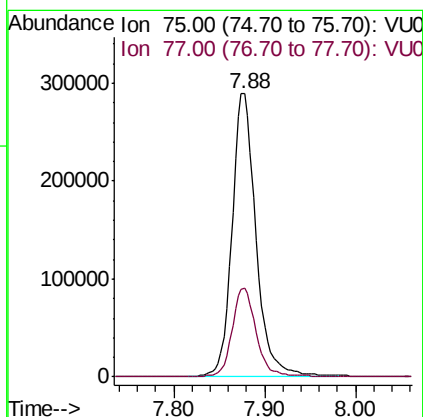
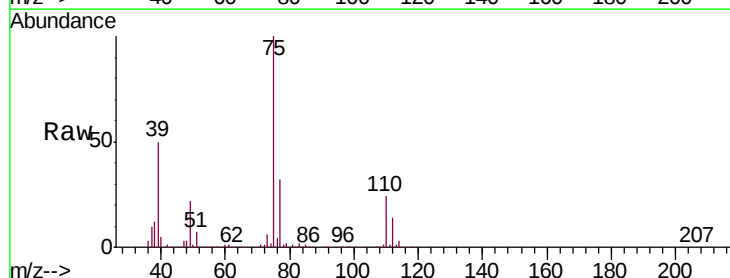
Acq: 01 May 2019 06:27

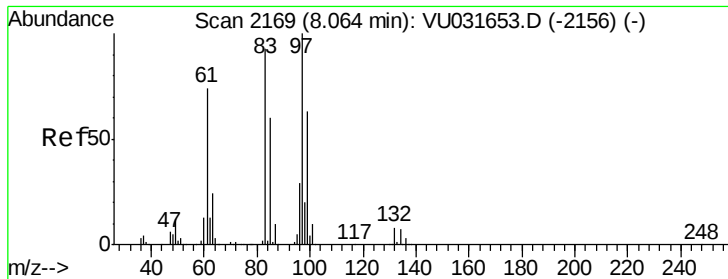
Tgt Ion: 75 Resp: 529434

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 48.419 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

Tgt Ion: 97 Resp: 368582

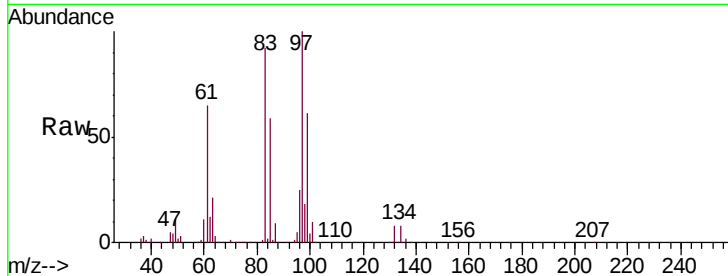
Ion Ratio Lower Upper

97 100

99 61.1 43.0 80.0

83 92.1 63.6 118.2

85 59.2 40.5 75.3

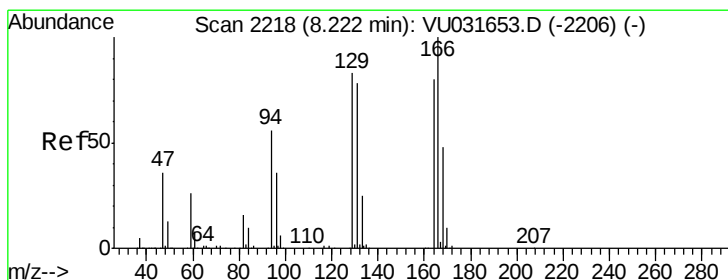
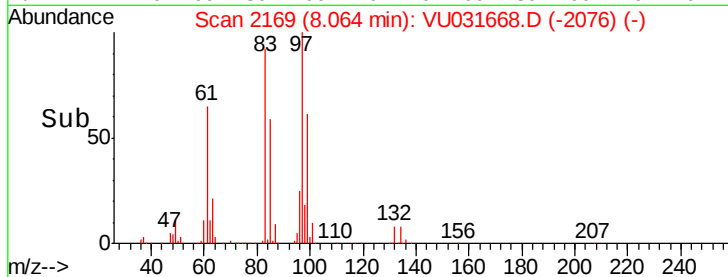
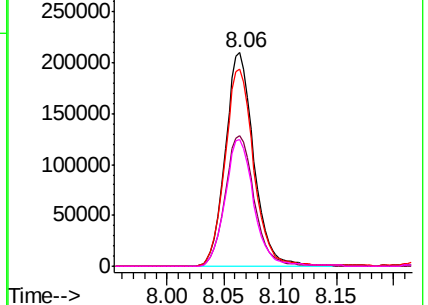


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 45.504 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

Tgt Ion: 164 Resp: 244582

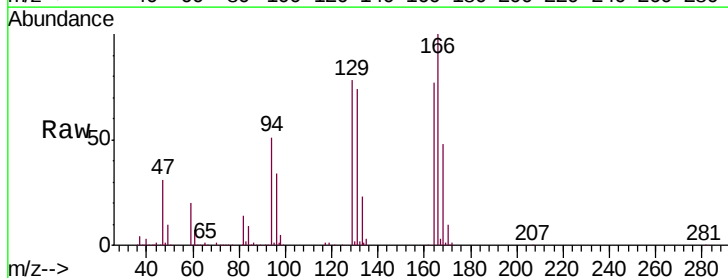
Ion Ratio Lower Upper

164 100

129 101.4 71.5 132.9

131 96.5 69.0 128.2

166 129.7 93.7 173.9

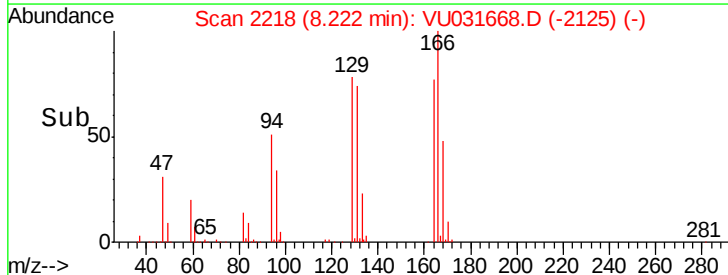
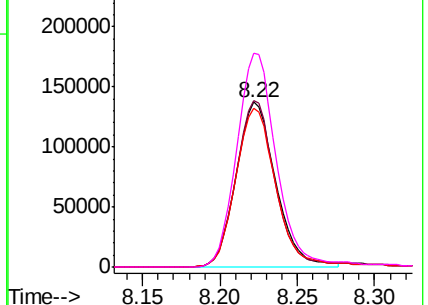


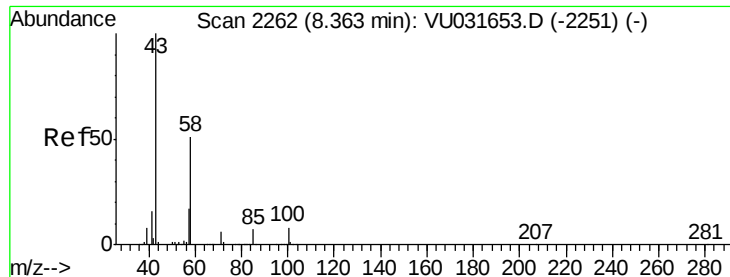
Abundance Ion 164.00 (163.70 to 164.70): V

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

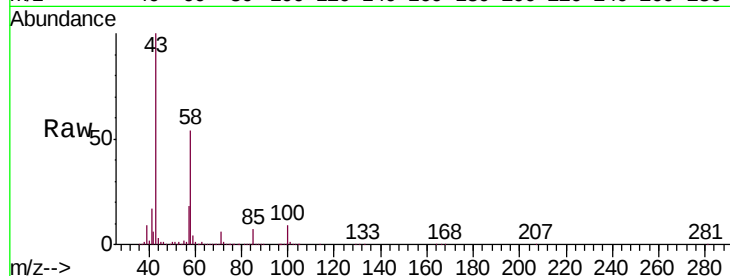




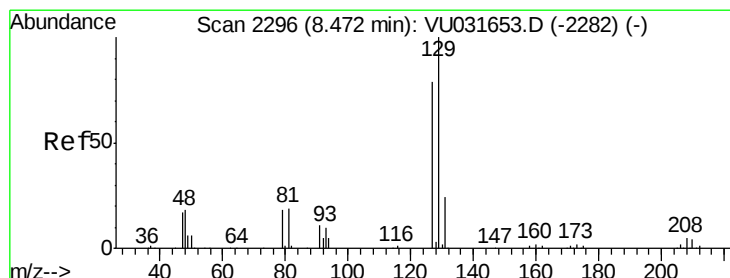
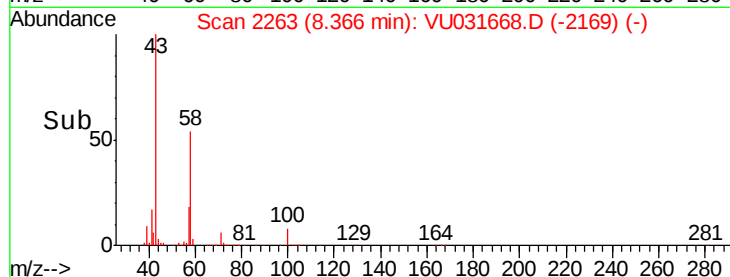
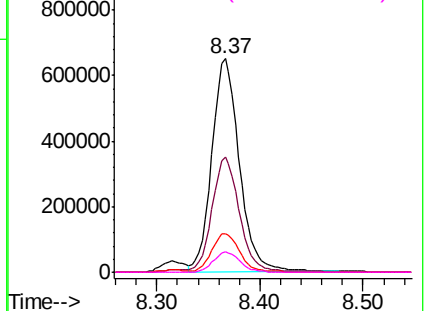
#48
2-Hexanone
Concen: 104.434 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU031668.D
Acq: 01 May 2019 06:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

Tgt Ion: 43 Resp: 1199949
Ion Ratio Lower Upper
43 100
58 53.0 42.1 63.1
57 18.3 14.6 22.0
100 9.3 7.2 10.8

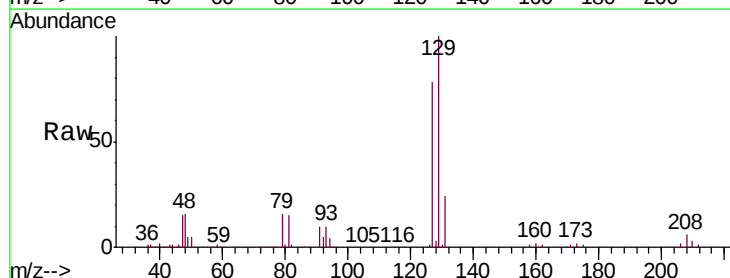


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

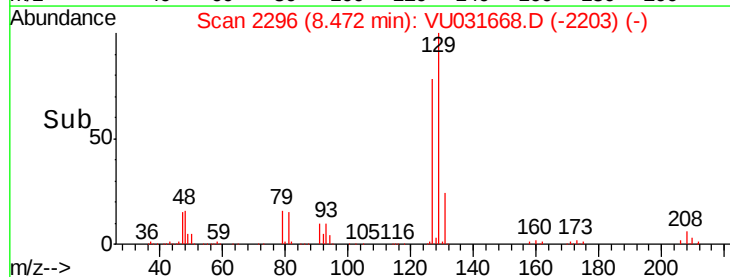
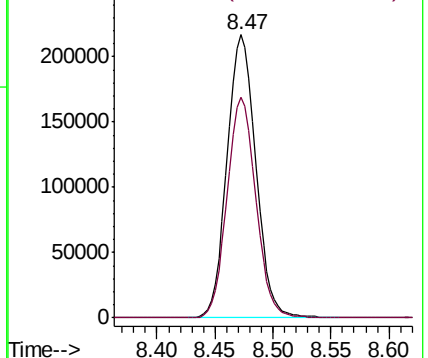


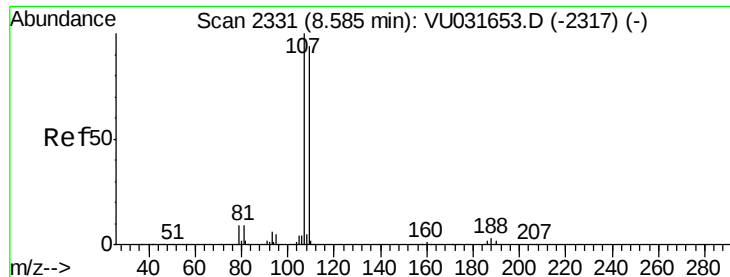
#49
Dibromochloromethane
Concen: 46.958 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031668.D
Acq: 01 May 2019 06:27

Tgt Ion: 129 Resp: 371927
Ion Ratio Lower Upper
129 100
127 77.9 54.0 100.2



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

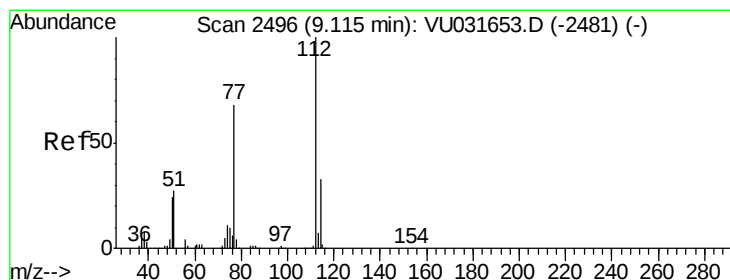
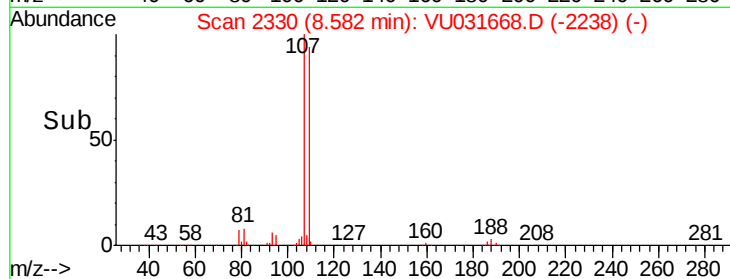
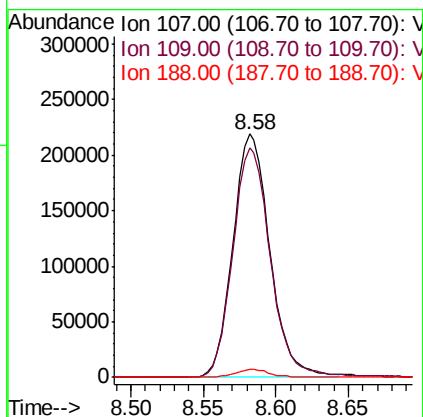
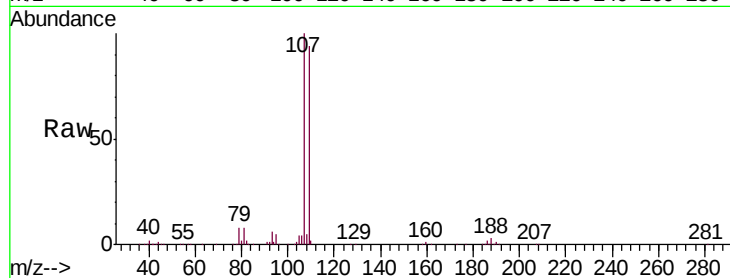




#50
 1,2-Dibromoethane
 Concen: 48.296 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VU031668.D
 Acq: 01 May 2019 06:27

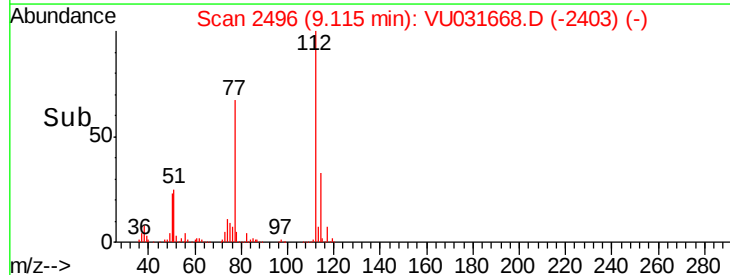
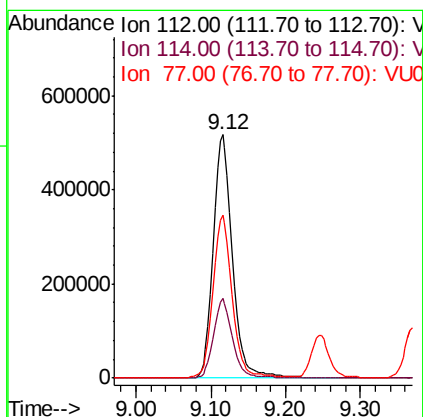
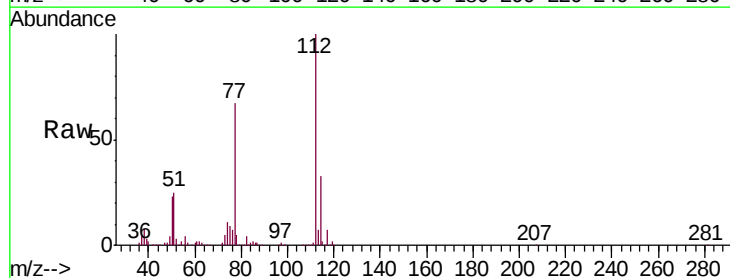
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

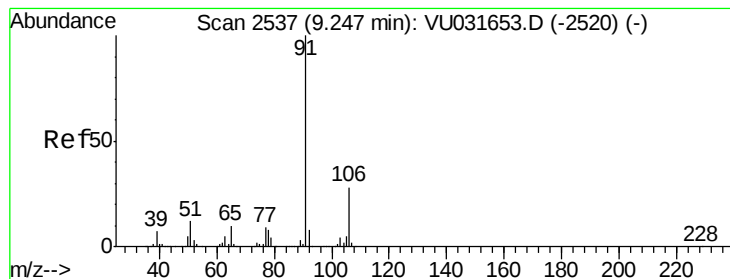
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.1	64.9	120.5
188	3.2	2.4	3.6



#51
 Chlorobenzene
 Concen: 48.288 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: VU031668.D
 Acq: 01 May 2019 06:27

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.7	23.3	43.3
77	67.2	53.0	79.4





#52

Ethylbenzene

Concen: 51.432 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

Instrument :

MSVOA_U

ClientSampleId :

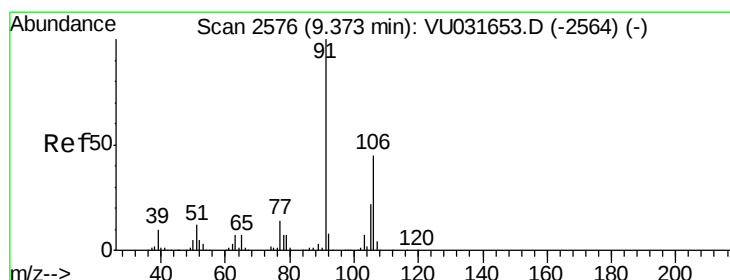
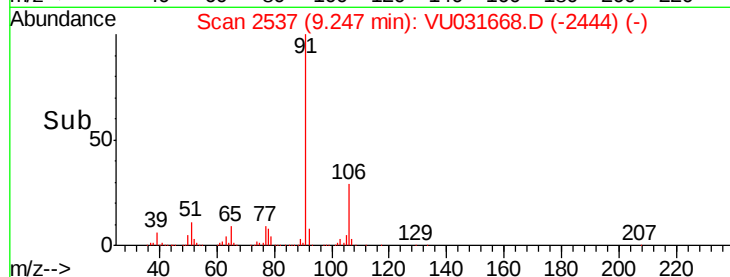
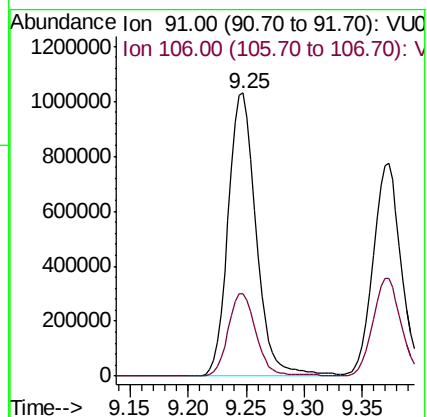
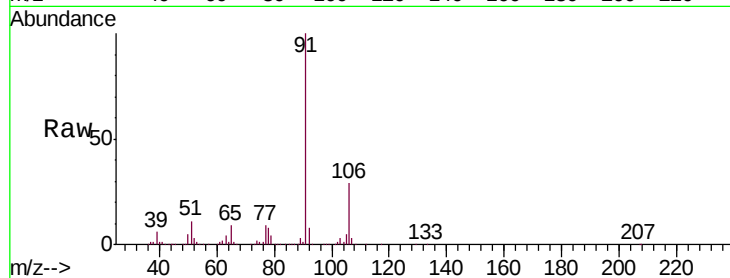
VSTD05057

Tgt Ion: 91 Resp: 1728544

Ion Ratio Lower Upper

91 100

106 29.3 20.4 37.8



#53

m,p-Xylene

Concen: 52.946 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU031668.D

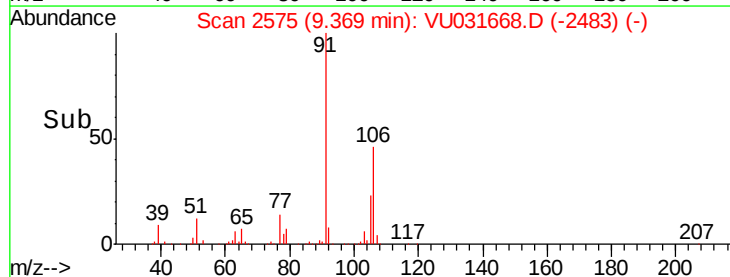
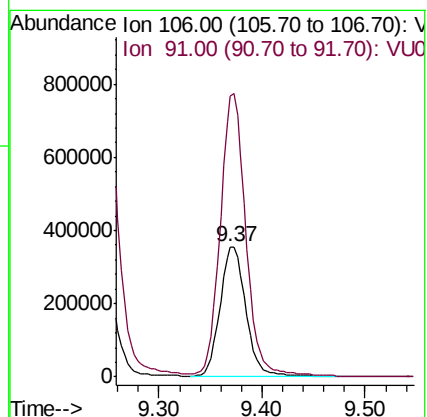
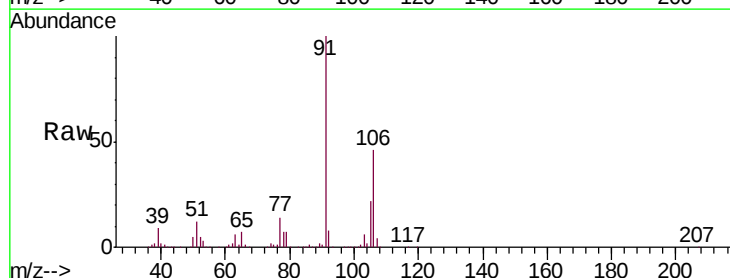
Acq: 01 May 2019 06:27

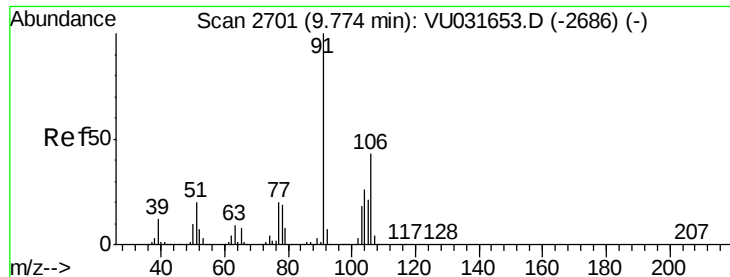
Tgt Ion: 106 Resp: 619984

Ion Ratio Lower Upper

106 100

91 215.6 152.2 282.6

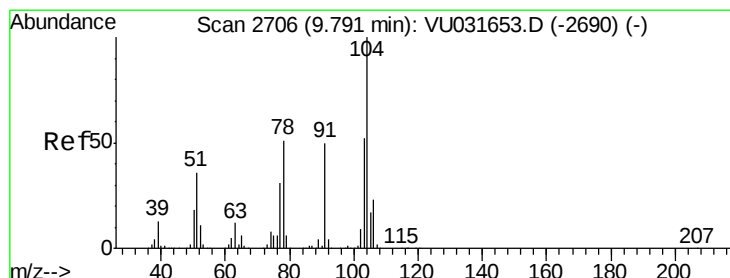
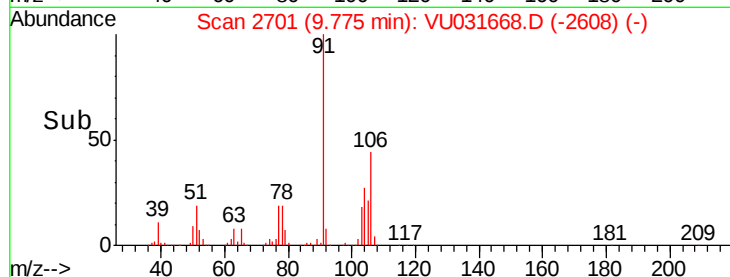
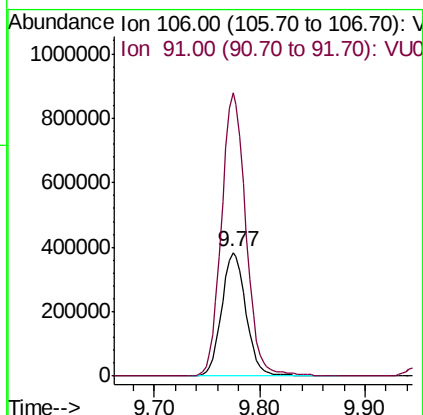
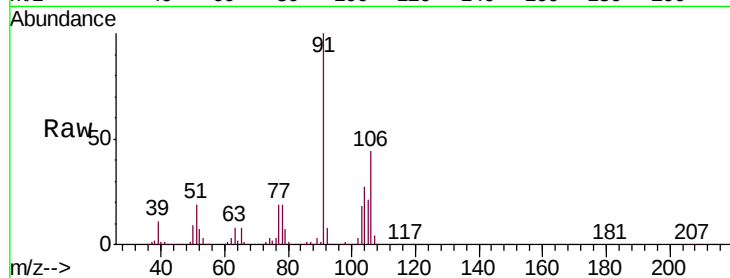




#54
o-xylene
Concen: 52.947 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU031668.D
Acq: 01 May 2019 06:27

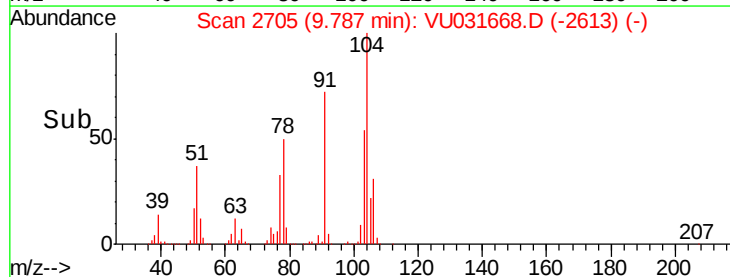
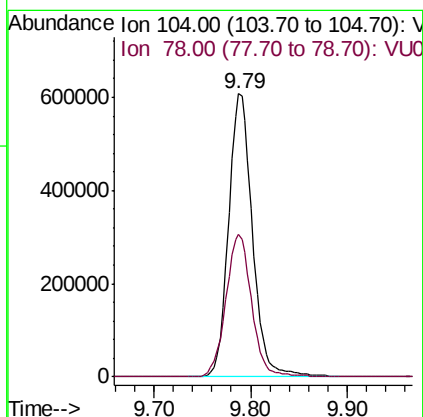
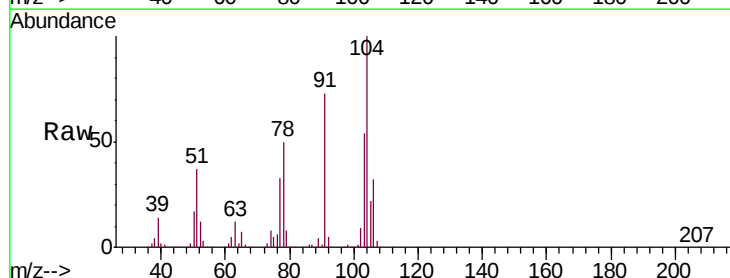
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

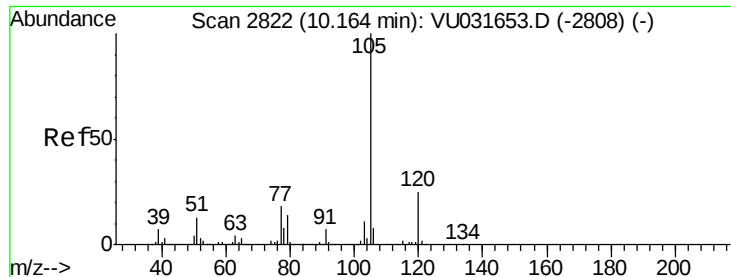
Tgt Ion:106 Resp: 614656
Ion Ratio Lower Upper
106 100
91 228.3 163.2 303.2



#55
Styrene
Concen: 52.588 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU031668.D
Acq: 01 May 2019 06:27

Tgt Ion:104 Resp: 1043021
Ion Ratio Lower Upper
104 100
78 50.4 35.4 65.7





#56

Isopropylbenzene

Concen: 52.818 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

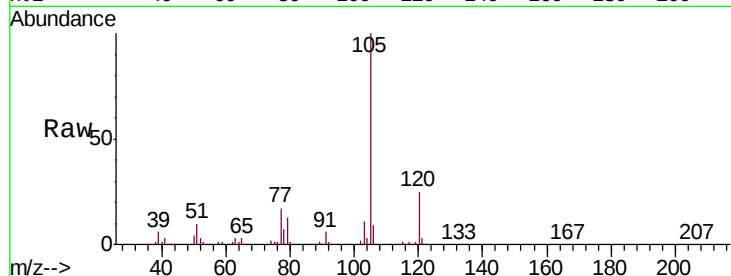
Tgt Ion:105 Resp: 1612369

Ion Ratio Lower Upper

105 100

120 25.5 20.1 30.1

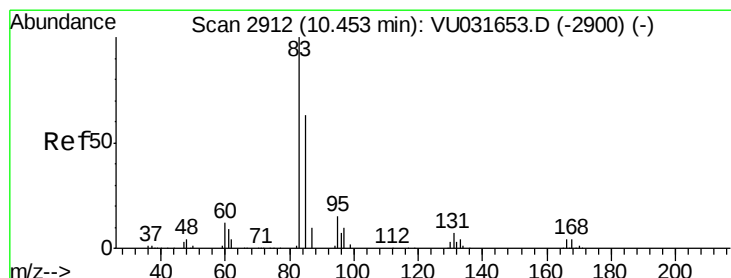
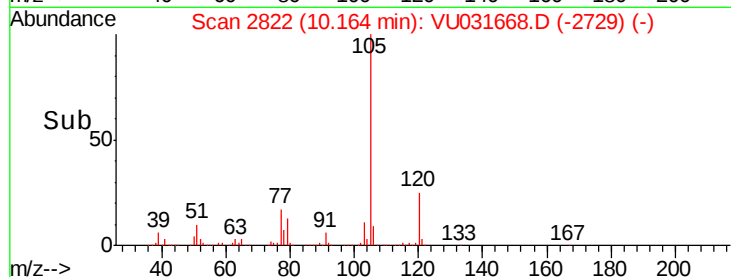
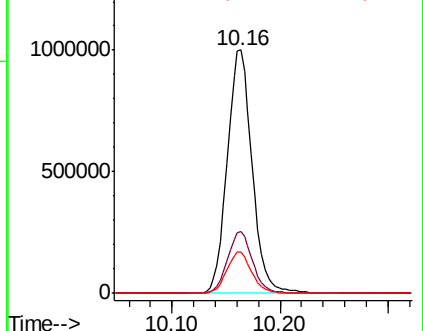
77 16.9 13.8 20.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.221 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

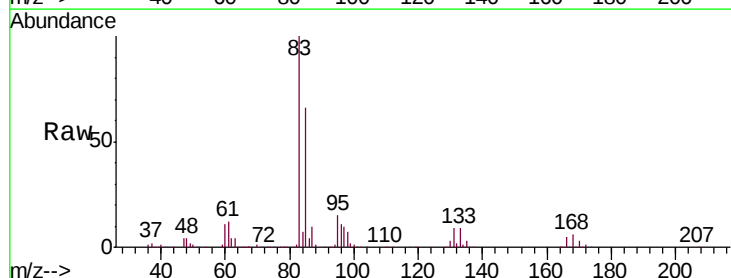
Tgt Ion: 83 Resp: 651369

Ion Ratio Lower Upper

83 100

85 66.4 46.0 85.4

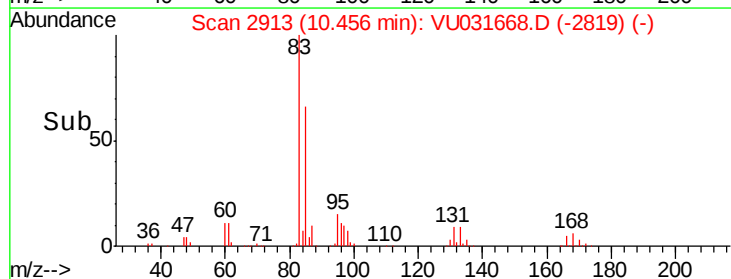
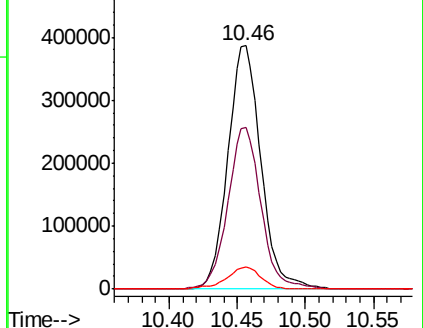
131 9.2 7.3 10.9

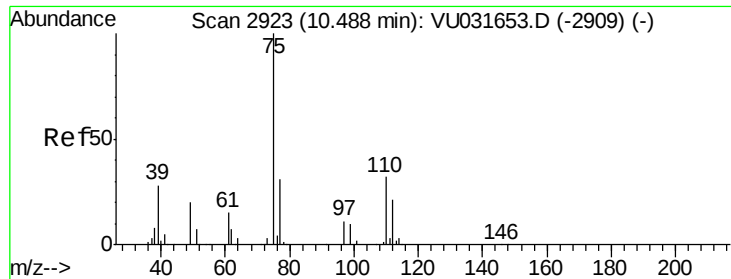


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.930 ug/L

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

Instrument :

MSVOA_U

ClientSampleId :

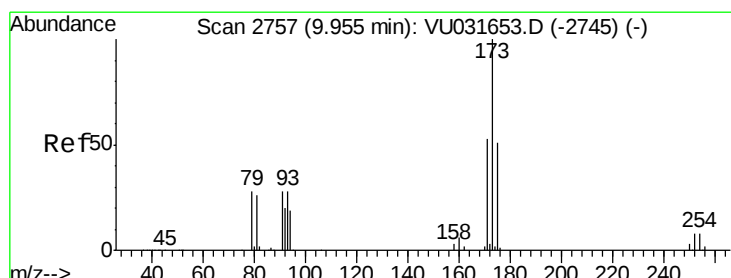
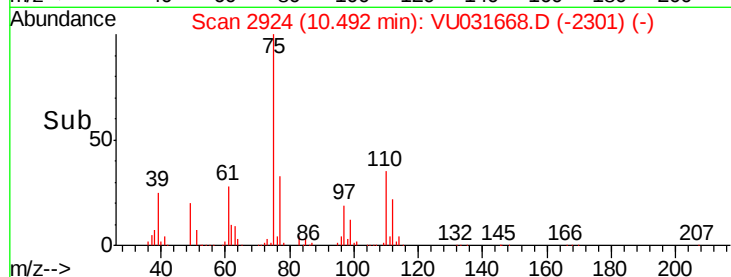
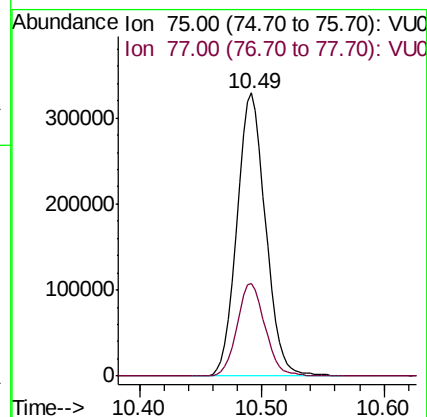
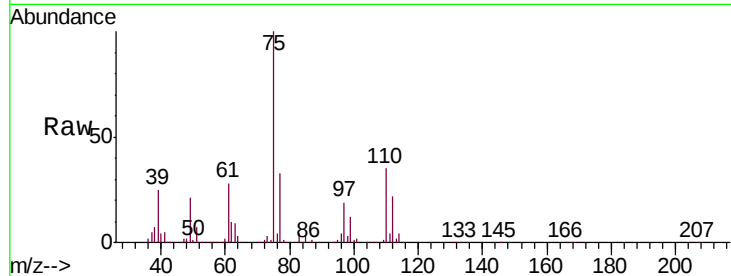
VSTD05057

Tgt Ion: 75 Resp: 535674

Ion Ratio Lower Upper

75 100

77 32.0 25.9 38.9



#61

Bromoform

Concen: 45.159 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

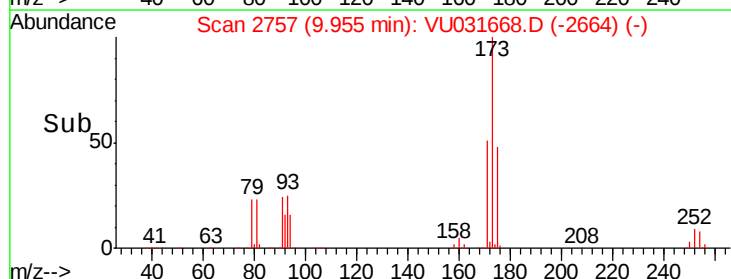
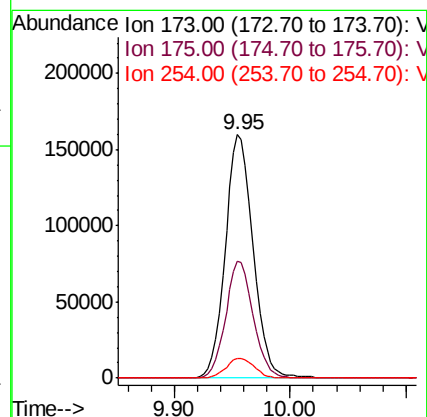
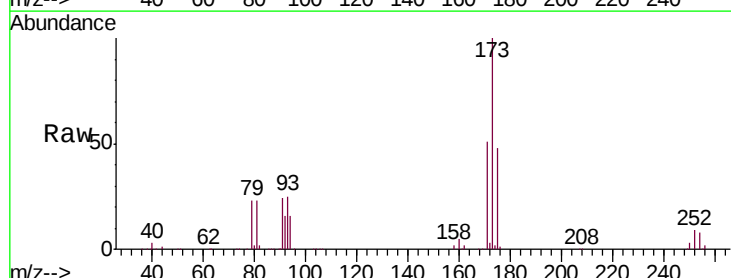
Tgt Ion: 173 Resp: 265828

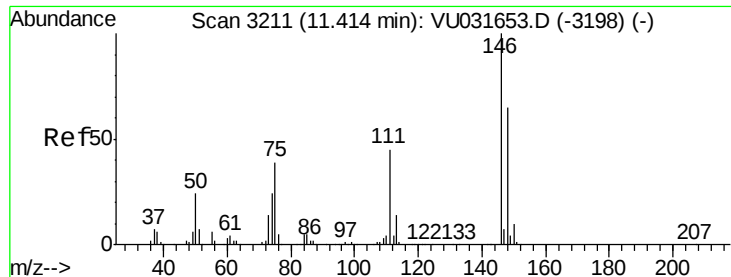
Ion Ratio Lower Upper

173 100

175 47.6 38.3 57.5

254 8.4 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 50.078 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

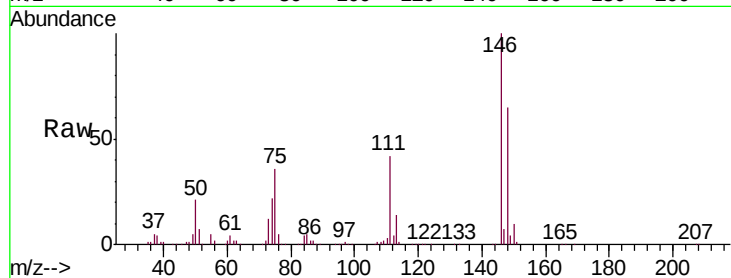
Tgt Ion:146 Resp: 658268

Ion Ratio Lower Upper

146 100

111 42.4 29.8 55.4

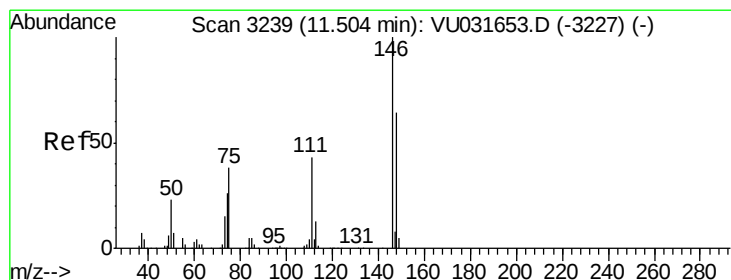
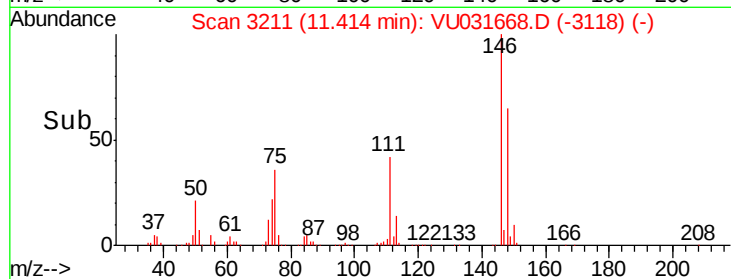
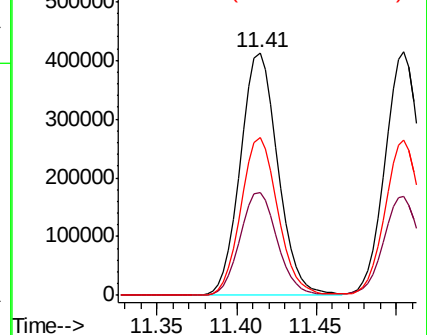
148 65.2 45.1 83.9



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: 48.672 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

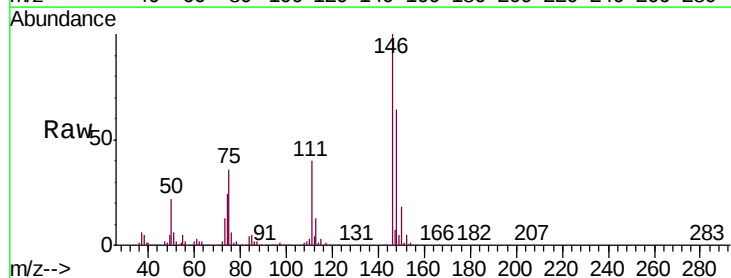
Tgt Ion:146 Resp: 662585

Ion Ratio Lower Upper

146 100

111 40.5 28.2 52.4

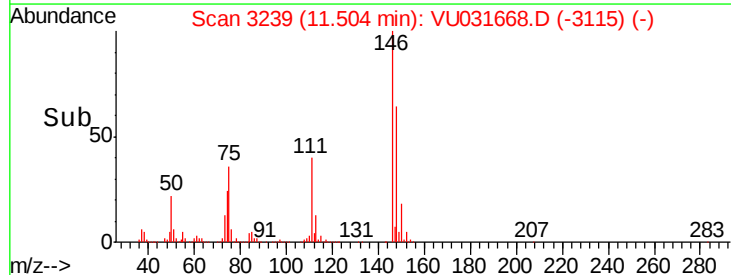
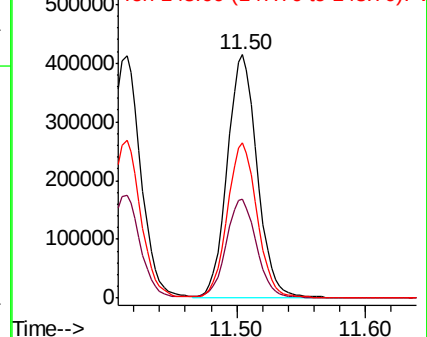
148 63.6 45.4 84.4

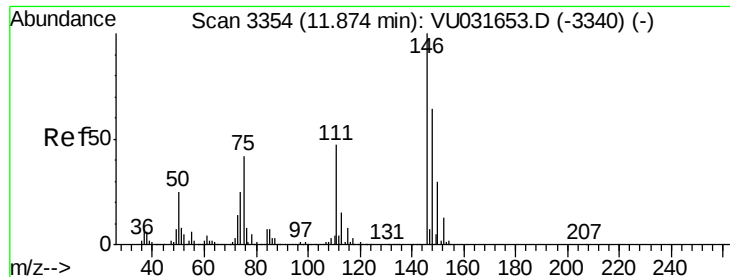


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

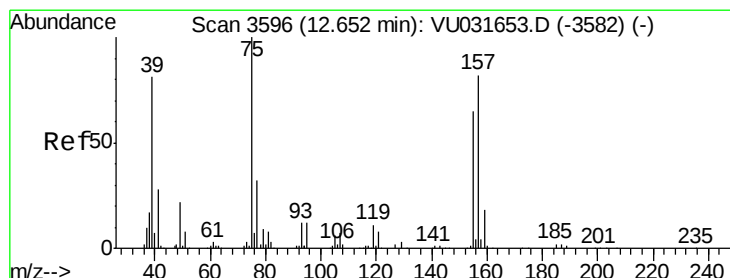
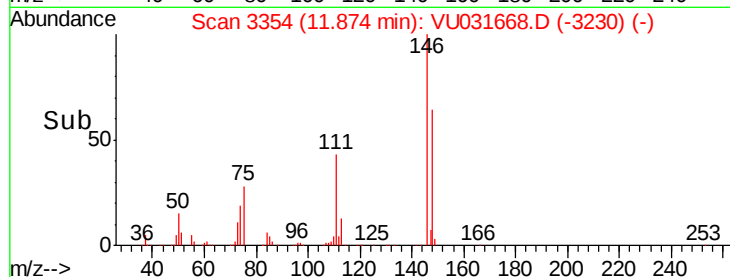
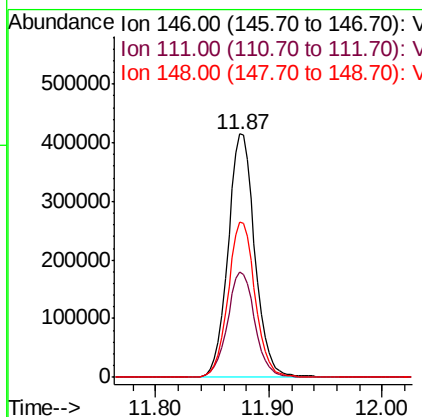
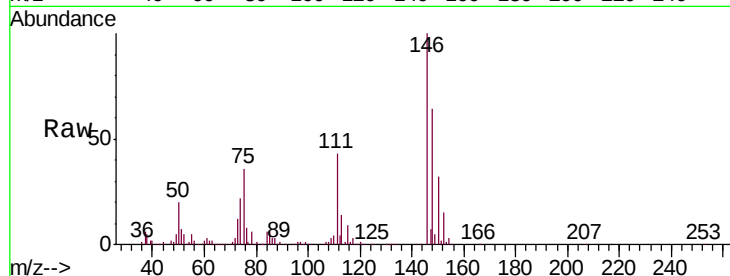




#65
 1,2-Dichlorobenzene
 Concen: 48.787 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU031668.D
 Acq: 01 May 2019 06:27

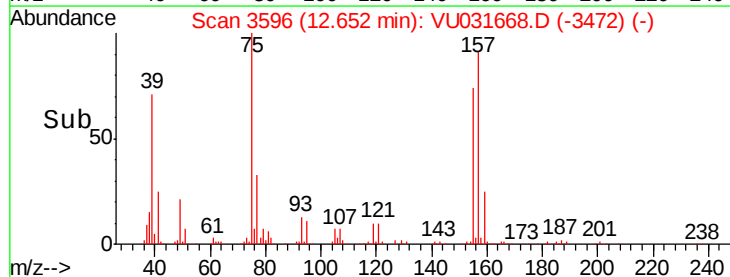
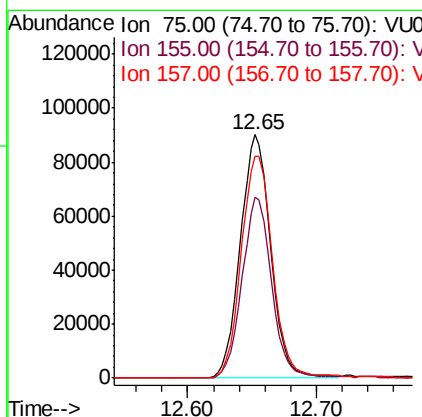
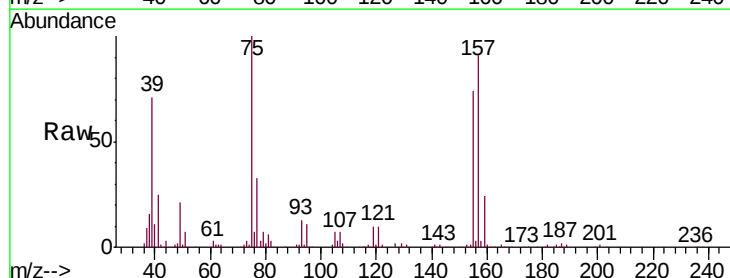
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05057

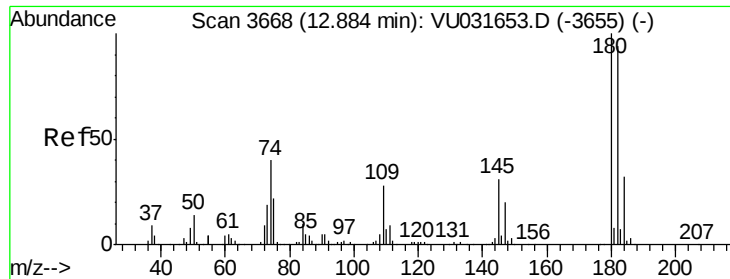
Tgt Ion: 146 Resp: 681575
 Ion Ratio Lower Upper
 146 100
 111 43.2 35.9 53.9
 148 63.6 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.580 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031668.D
 Acq: 01 May 2019 06:27

Tgt Ion: 75 Resp: 147784
 Ion Ratio Lower Upper
 75 100
 155 74.4 54.0 81.0
 157 91.3 69.1 103.7

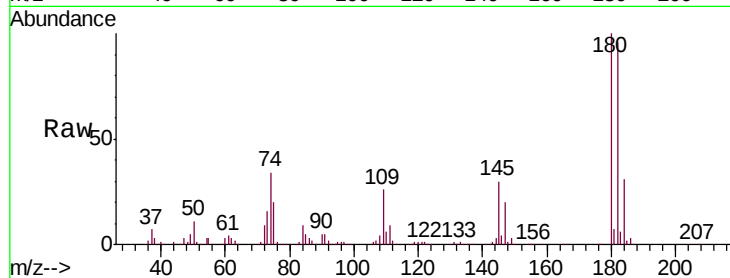




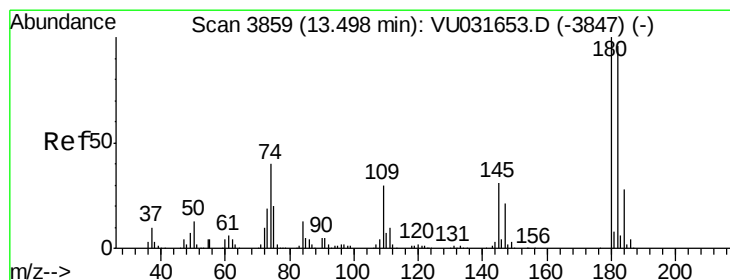
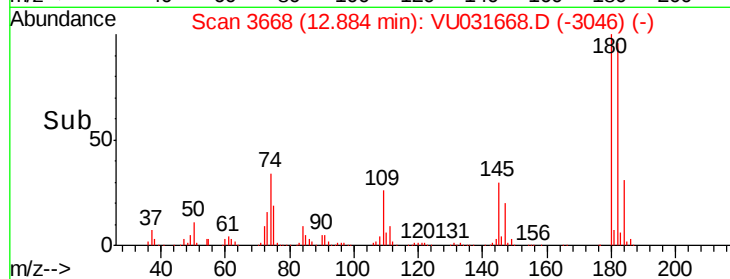
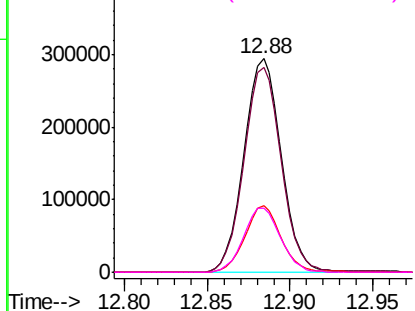
#67
 1,3,5-Trichlorobenzene
 Concen: 46.964 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031668.D
 Acq: 01 May 2019 06:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Tgt Ion:180 Resp: 462378
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.3 115.9
 184 29.8 24.4 36.6
 145 30.1 23.8 35.8

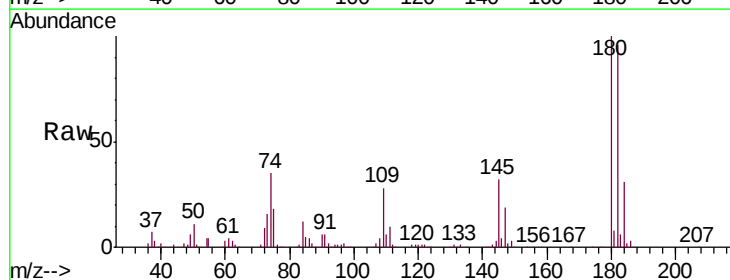


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

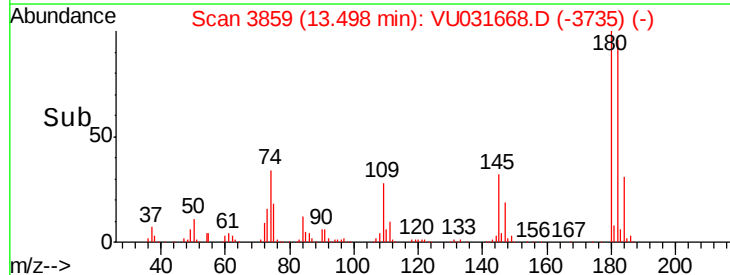
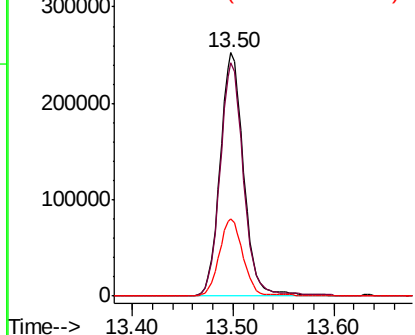


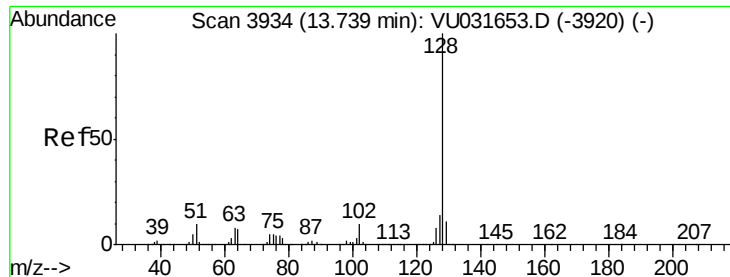
#68
 1,2,4-trichlorobenzene
 Concen: 53.011 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU031668.D
 Acq: 01 May 2019 06:27

Tgt Ion:180 Resp: 413176
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.8 113.8
 145 32.1 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: 64.013 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

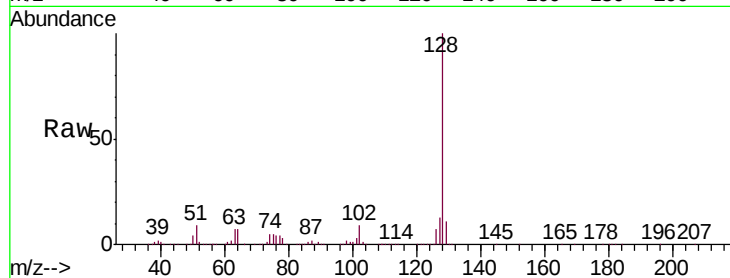
Tgt Ion:128 Resp: 1701103

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

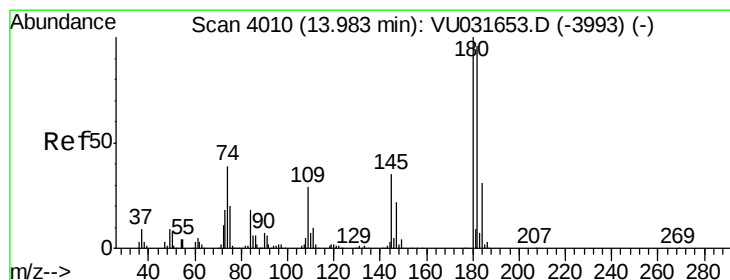
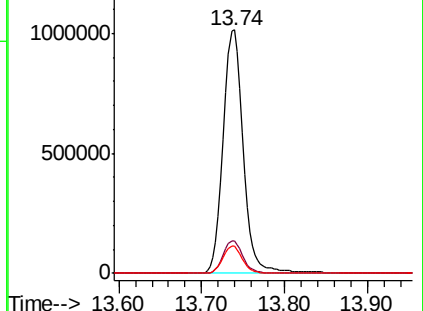
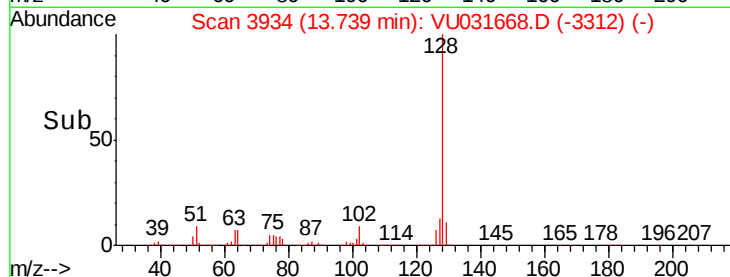
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.511 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031668.D

Acq: 01 May 2019 06:27

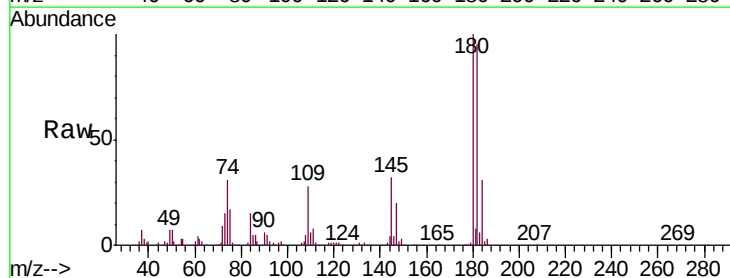
Tgt Ion:180 Resp: 430470

Ion Ratio Lower Upper

180 100

182 94.8 76.1 114.1

145 32.4 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

