

Data File : VU032695.D
Acq On : 13 Jun 2019 15:29
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

Quant Time: Jun 14 01:30:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 14 01:25:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	165773	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	160092	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	88024	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	50344	46.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.62%
7) Chloroethane-d5	1.67	69	42650	49.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.70%
11) 1,1-Dichloroethene-d2	2.27	63	104613	49.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.36%
21) 2-Butanone-d5	4.17	46	105175	116.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.85%
24) Chloroform-d	4.64	84	107956	53.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.64%
26) 1,2-Dichloroethane-d4	5.30	65	68966	54.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.16%
32) Benzene-d6	5.33	84	203535	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.94%
36) 1,2-Dichloropropane-d6	6.32	67	65773	50.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.94%
41) Toluene-d8	7.56	98	187889	47.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.36%
43) trans-1,3-Dichloropropene-	7.85	79	31716	50.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.70%
47) 2-Hexanone-d5	8.31	63	71783	113.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.56%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	102805	54.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.88%
64) 1,2-Dichlorobenzene-d4	11.85	152	83028	49.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.50%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	74862	50.092 ug/L	99
3) Chloromethane	1.32	50	67767	46.927 ug/L	99
5) Vinyl chloride	1.40	62	70095	48.591 ug/L	100
6) Bromomethane	1.62	94	39069	45.447 ug/L	97
8) Chloroethane	1.69	64	40303	47.003 ug/L	98
9) Trichlorofluoromethane	1.88	101	100172	51.426 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	54023	53.327 ug/L	99
12) 1,1-Dichloroethene	2.28	96	50820	51.665 ug/L	86
13) Acetone	2.32	43	101146	108.913 ug/L	98
14) Carbon disulfide	2.47	76	142847	47.795 ug/L	99
15) Methyl Acetate	2.61	43	75248	56.750 ug/L	100
16) Methylene chloride	2.69	84	59647	53.143 ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	53833	50.504 ug/L	96
18) Methyl tert-butyl Ether	2.99	73	179939	51.384 ug/L	98
19) 1,1-Dichloroethane	3.44	63	105230	54.153 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	61368	50.871 ug/L	94
22) 2-Butanone	4.25	43	121628	110.812 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	31920	50.890	ug/L	95
25) Chloroform	4.67	83	109230	54.472	ug/L	100
27) 1,2-Dichloroethane	5.40	62	87379	55.121	ug/L	99
29) Cyclohexane	4.99	56	89528	47.016	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	94382	52.078	ug/L	98
31) Carbon tetrachloride	5.13	117	84962	51.150	ug/L	99
33) Benzene	5.38	78	227363	50.547	ug/L	100
34) Trichloroethene	6.18	95	61820	50.516	ug/L	99
35) Methylcyclohexane	6.41	83	95153	48.030	ug/L	99
37) 1,2-Dichloropropane	6.43	63	62455	52.379	ug/L	99
38) Bromodichloromethane	6.75	83	82684	53.854	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	98604	52.413	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	208359	108.619	ug/L	98
42) Toluene	7.63	91	247985	50.341	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	87167	52.201	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	58992	52.318	ug/L	98
46) Tetrachloroethene	8.22	164	50132	49.600	ug/L	99
48) 2-Hexanone	8.36	43	169393	107.513	ug/L	98
49) Dibromochloromethane	8.47	129	70255	53.605	ug/L	98
50) 1,2-Dibromoethane	8.58	107	65526	51.629	ug/L	100
51) Chlorobenzene	9.12	112	160830	50.675	ug/L	99
52) Ethylbenzene	9.24	91	273974	49.896	ug/L	100
53) m,p-Xylene	9.37	106	102927	49.296	ug/L	96
54) o-xylene	9.77	106	102940	49.655	ug/L	100
55) Styrene	9.79	104	175564	50.728	ug/L	99
56) Isopropylbenzene	10.16	105	272198	49.794	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	103568	53.742	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	83436	53.828	ug/L	100
61) Bromoform	9.95	173	54338	51.776	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	130112	48.858	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	131441	48.277	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	135003	50.142	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	25165	55.553	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	104845	50.602	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	93444	53.236	ug/L	100
69) Naphthalene	13.74	128	286674	51.777	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	95916	52.505	ug/L	98

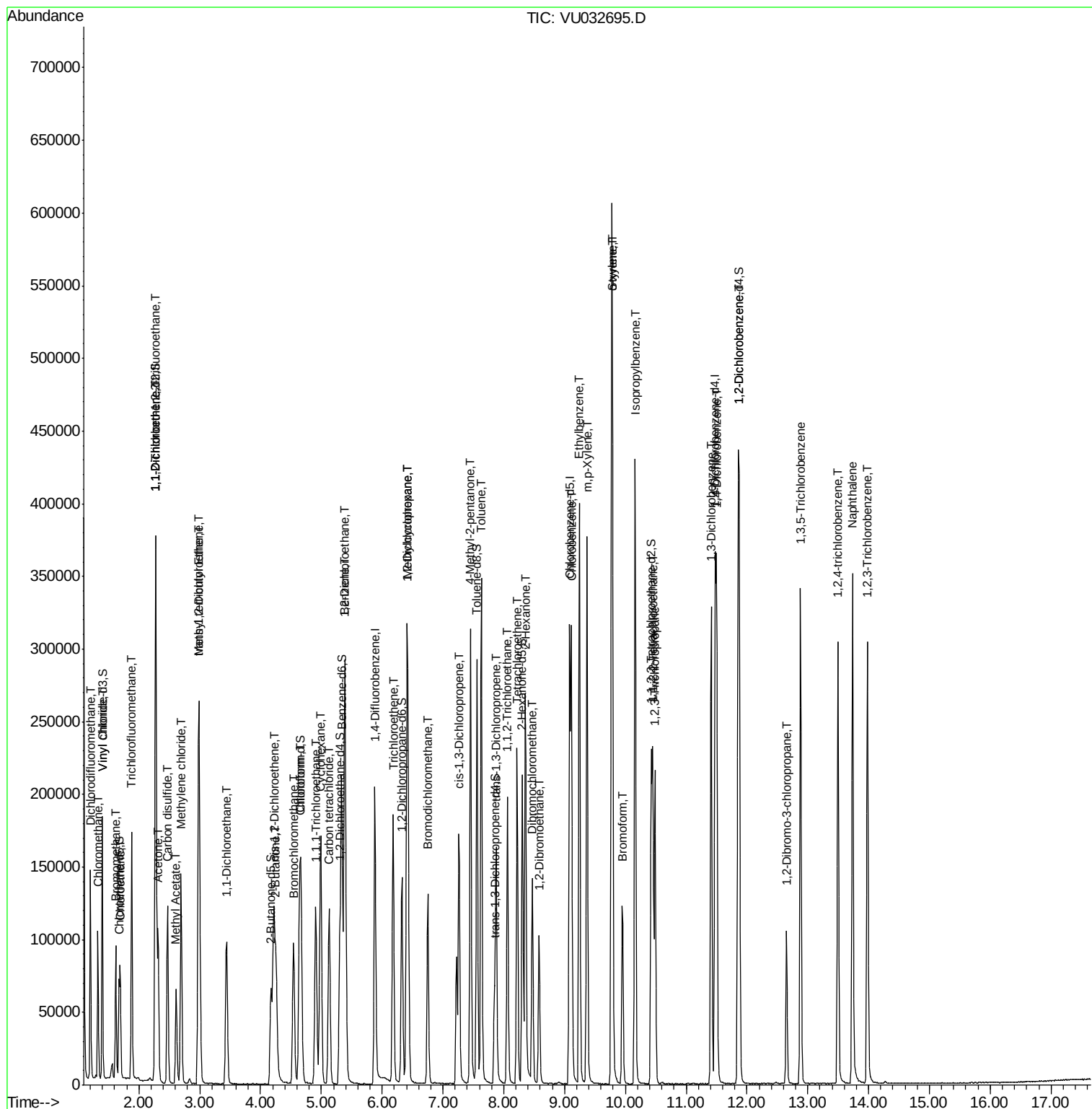
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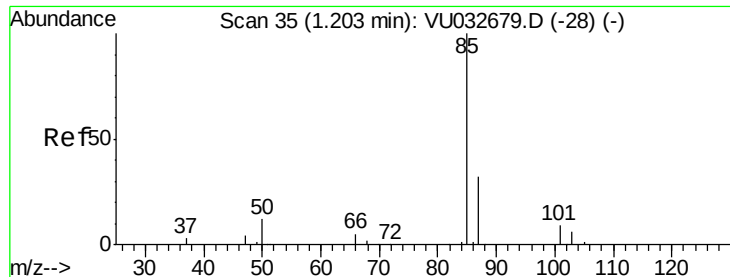
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#2

Dichlorodifluoromethane

Concen: 50.092 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

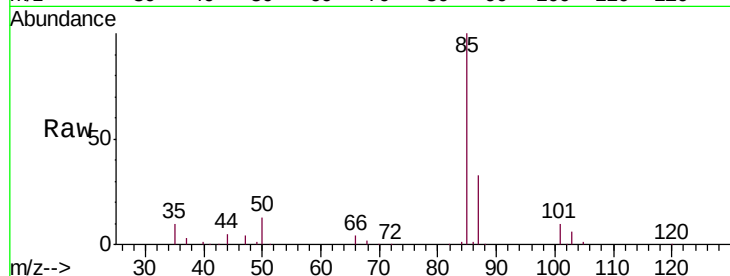
VSTD05050

Tgt Ion: 85 Resp: 74862

Ion Ratio Lower Upper

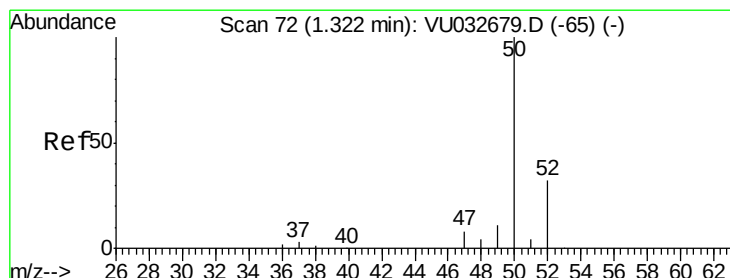
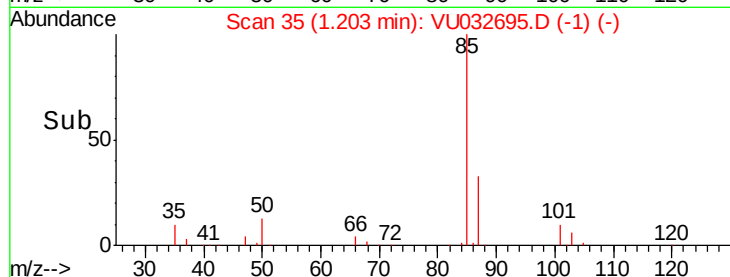
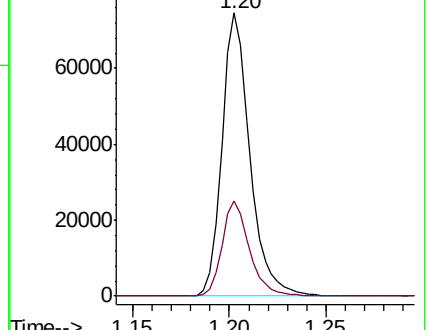
85 100

87 33.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU032679.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032679.D (-28) (-)



#3

Chloromethane

Concen: 46.927 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032695.D

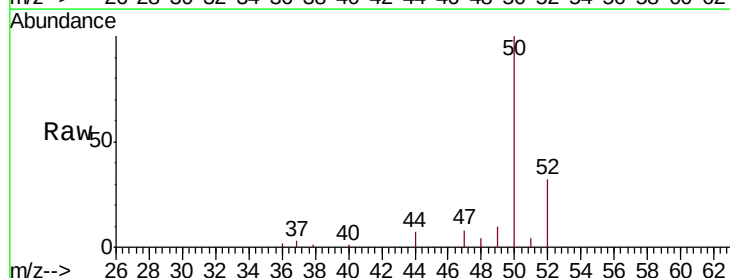
Acq: 13 Jun 2019 15:29

Tgt Ion: 50 Resp: 67767

Ion Ratio Lower Upper

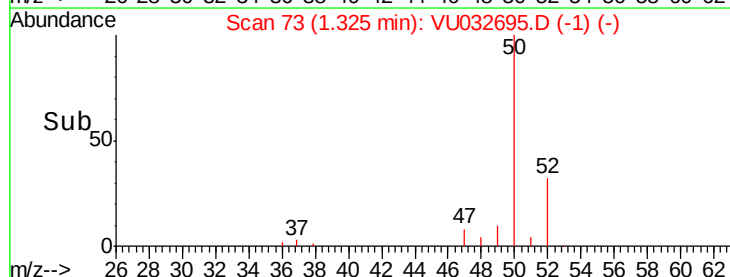
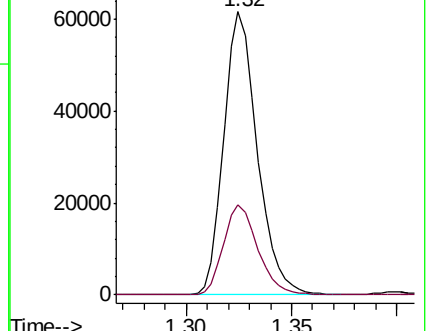
50 100

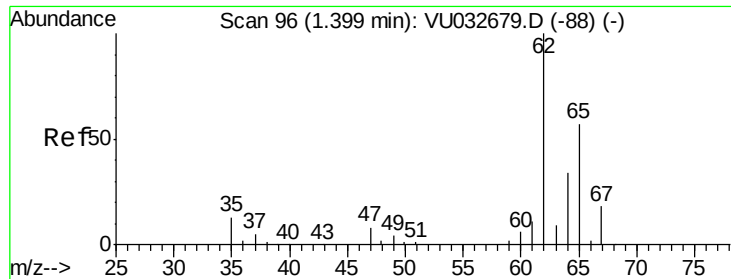
52 32.0 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032679.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU032679.D (-65) (-)





#5

Vinyl chloride

Concen: 48.591 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

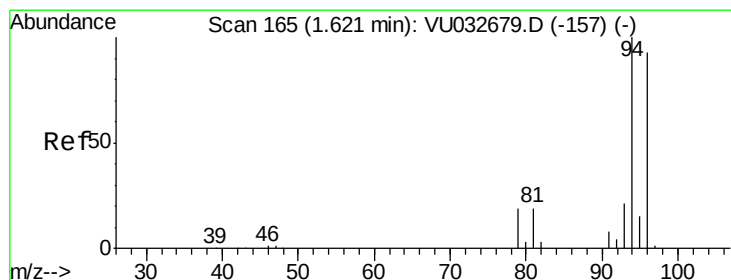
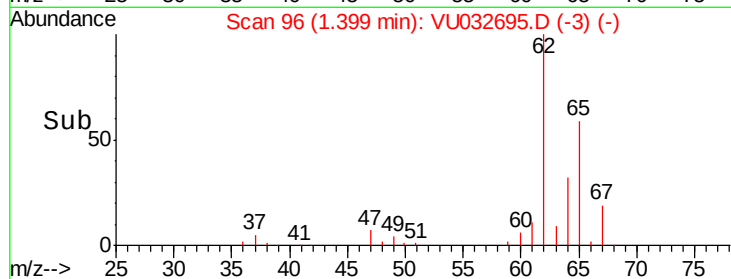
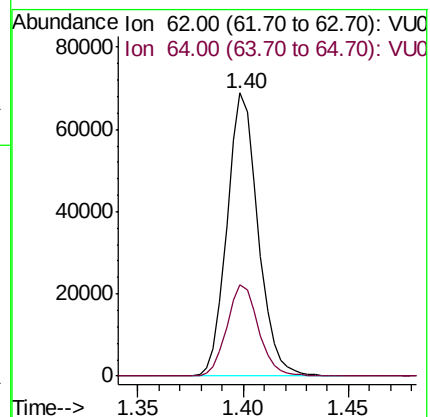
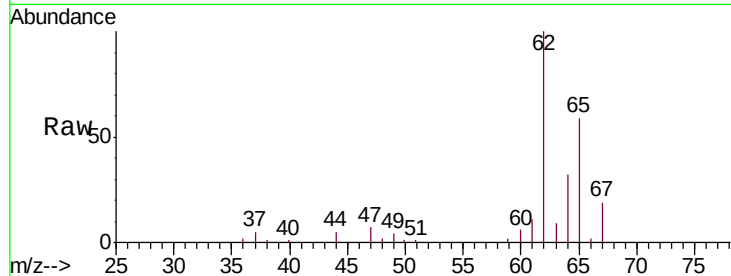
VSTD05050

Tgt Ion: 62 Resp: 70095

Ion Ratio Lower Upper

62 100

64 32.2 22.6 42.0



#6

Bromomethane

Concen: 45.447 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU032695.D

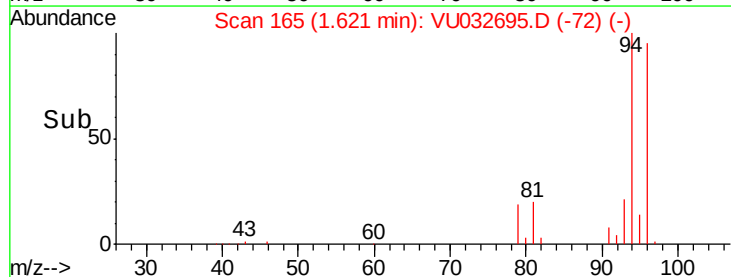
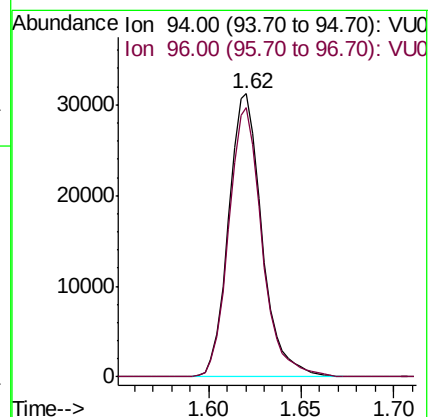
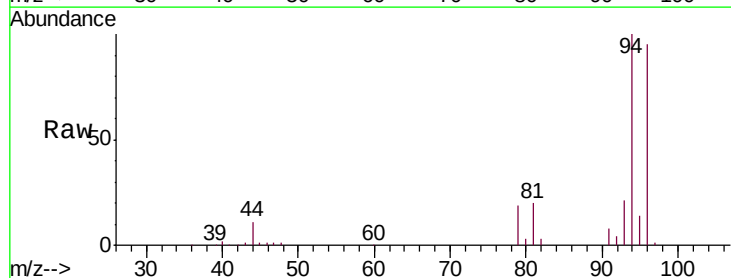
Acq: 13 Jun 2019 15:29

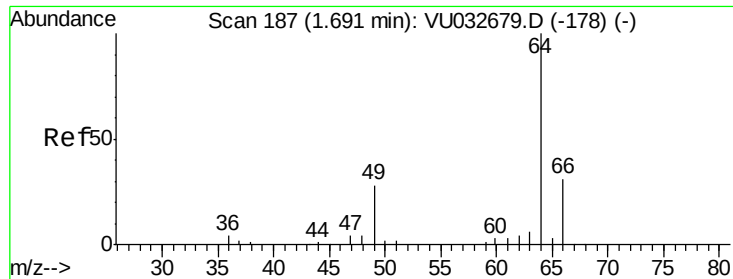
Tgt Ion: 94 Resp: 39069

Ion Ratio Lower Upper

94 100

96 95.1 64.7 120.1

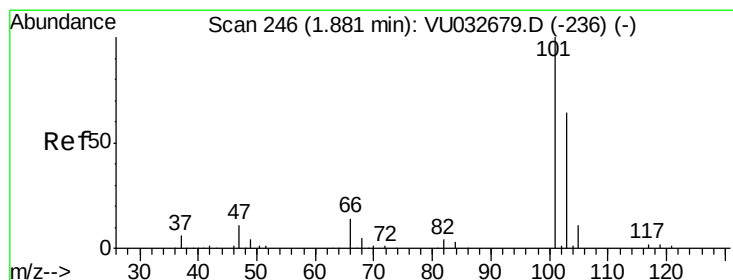
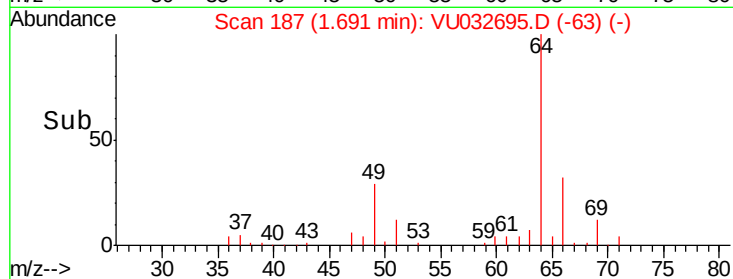
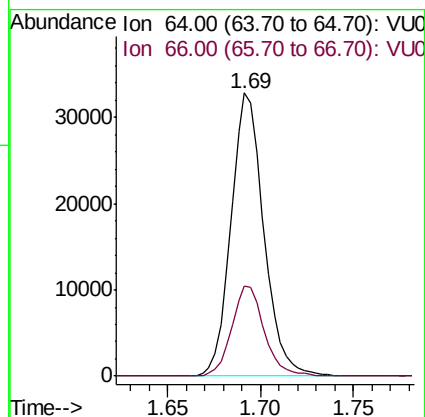
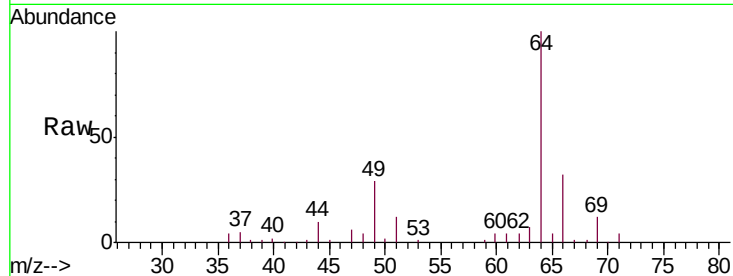




#8
Chloroethane
Concen: 47.003 ug/L
RT: 1.69 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU032695.D
Acq: 13 Jun 2019 15:29

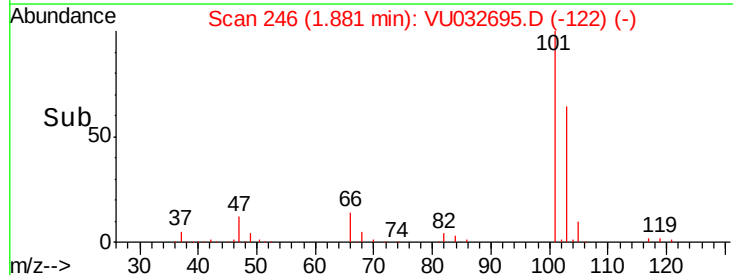
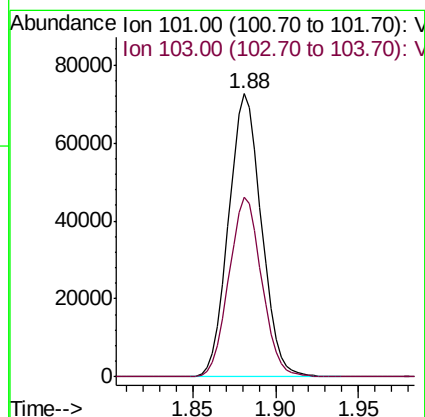
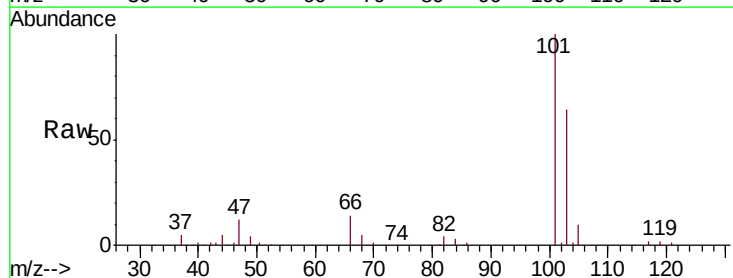
Instrument :
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ClientSampleId :
VSTD05050

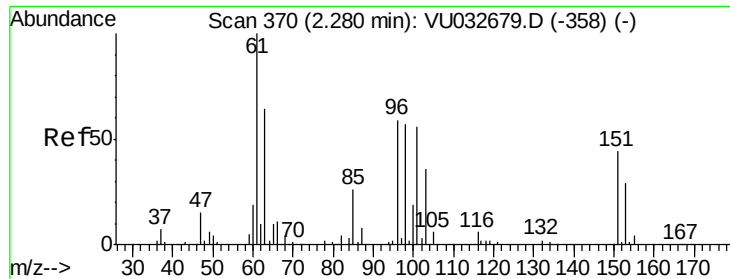
Tgt Ion: 64 Resp: 40303
Ion Ratio Lower Upper
64 100
66 31.8 22.9 42.5



#9
Trichlorofluoromethane
Concen: 51.426 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU032695.D
Acq: 13 Jun 2019 15:29

Tgt Ion: 101 Resp: 100172
Ion Ratio Lower Upper
101 100
103 63.4 52.5 78.7





#10

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

Concen: 53.327 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

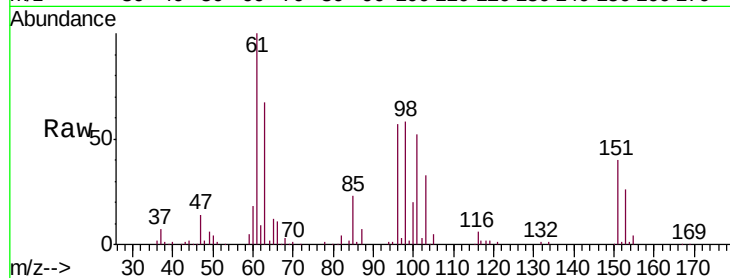
Tgt Ion:101 Resp: 54023

Ion Ratio Lower Upper

101 100

85 45.4 36.1 54.1

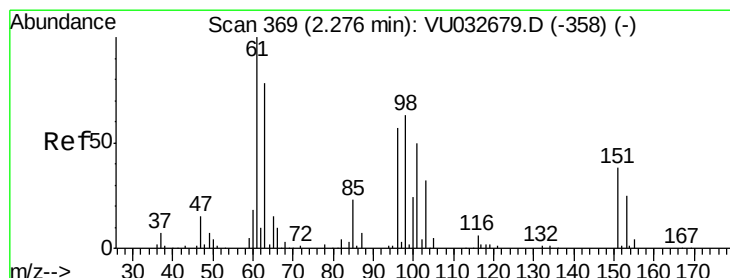
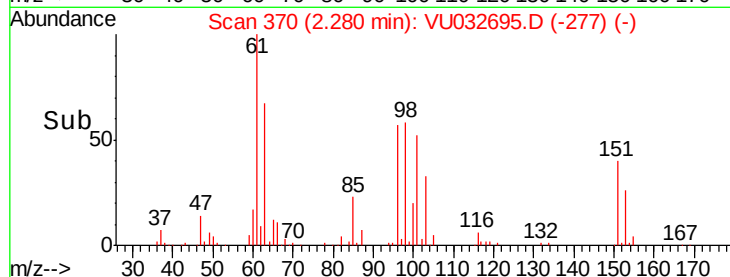
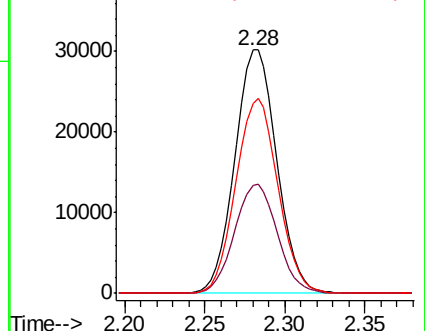
151 80.4 63.0 94.4



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: 51.665 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

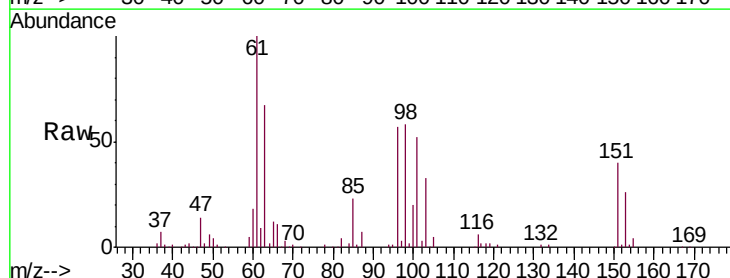
Tgt Ion: 96 Resp: 50820

Ion Ratio Lower Upper

96 100

61 176.0 129.5 240.5

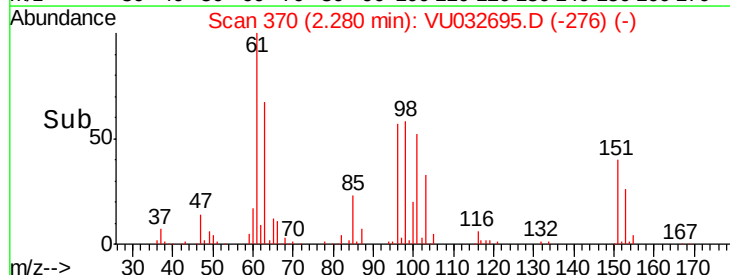
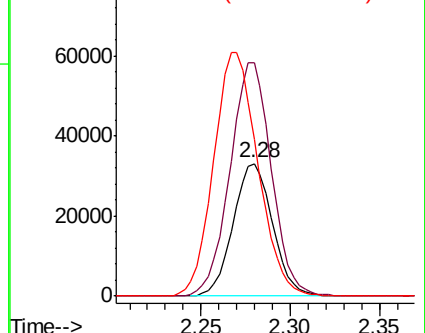
63 118.6 103.4 192.0

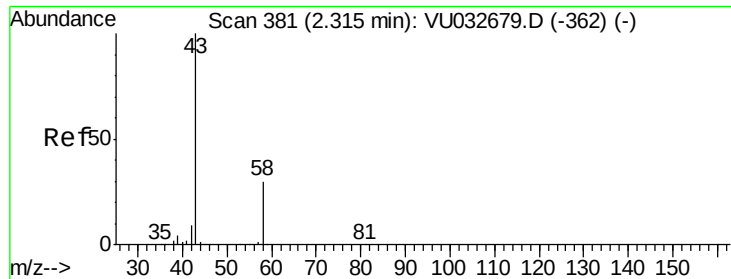


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 108.913 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

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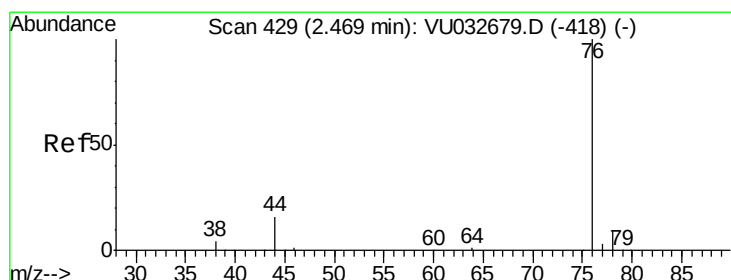
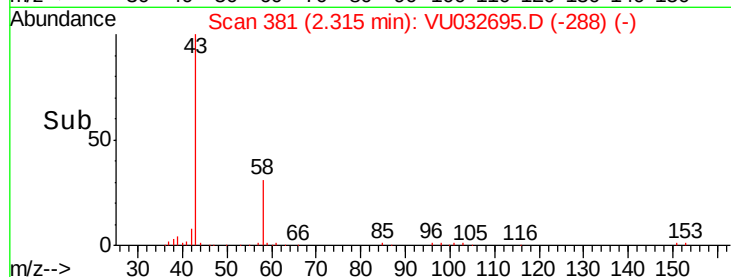
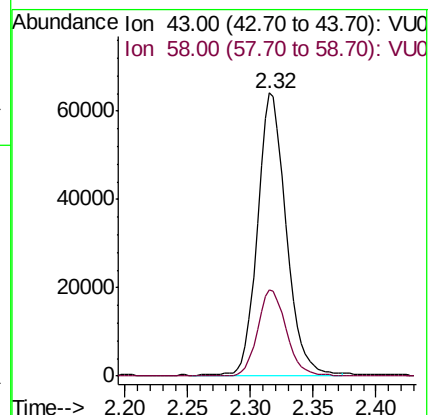
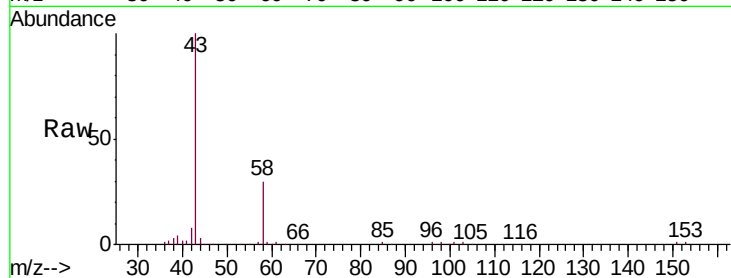
VSTD05050

Tgt Ion: 43 Resp: 101146

Ion Ratio Lower Upper

43 100

58 31.0 0.0 64.0



#14

Carbon disulfide

Concen: 47.795 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU032695.D

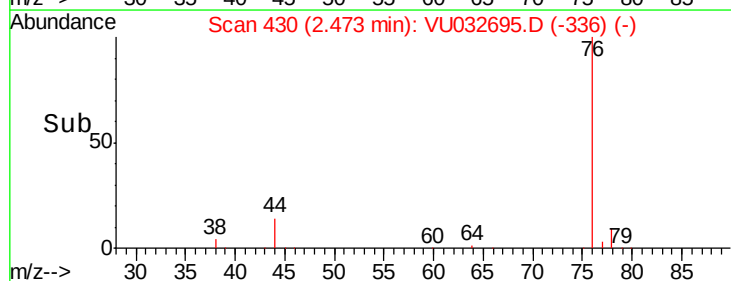
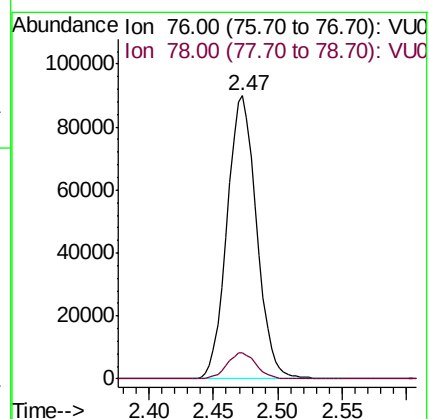
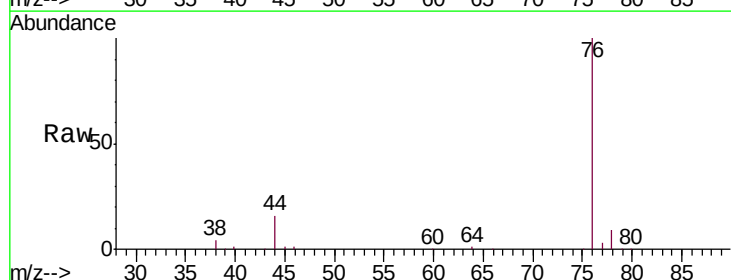
Acq: 13 Jun 2019 15:29

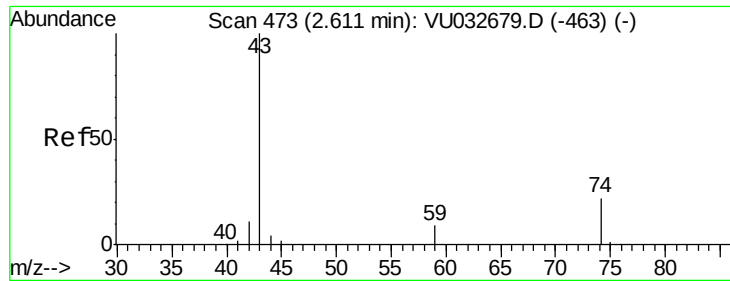
Tgt Ion: 76 Resp: 142847

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

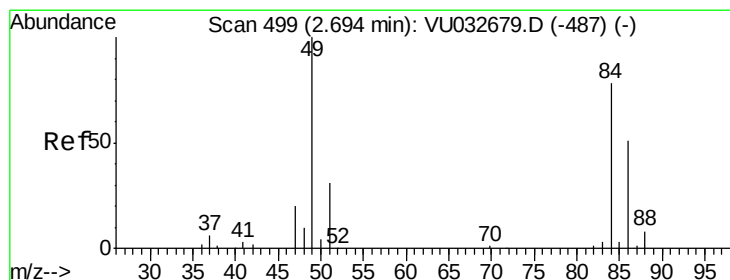
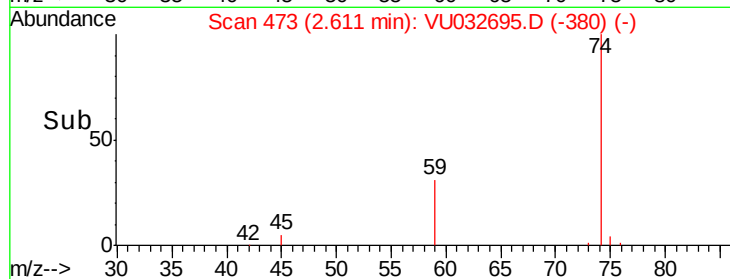
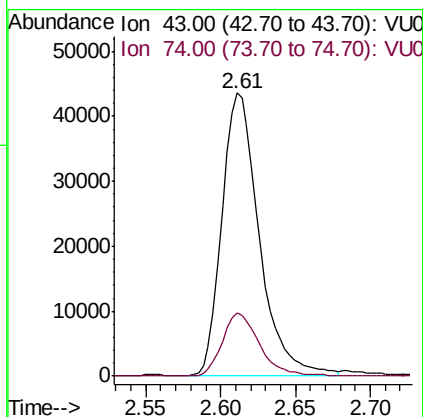
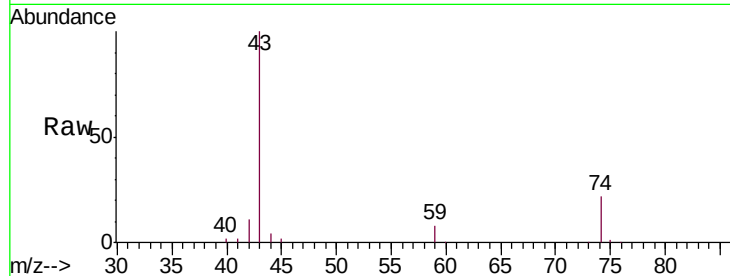




#15
Methyl Acetate
Concen: 56.750 ug/L
RT: 2.61 min Scan# 473
Delta R.T. -0.00 min
Lab File: VU032695.D
Acq: 13 Jun 2019 15:29

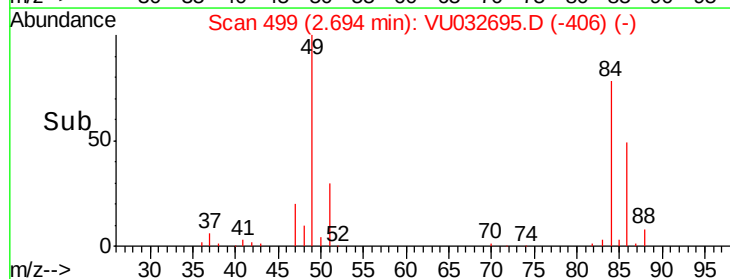
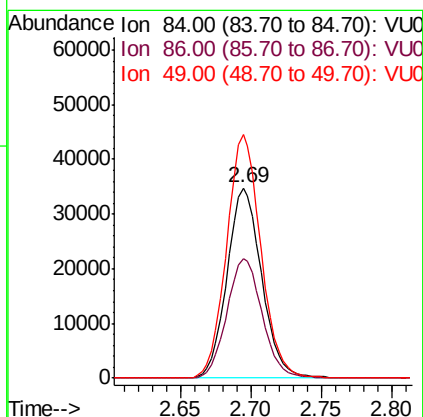
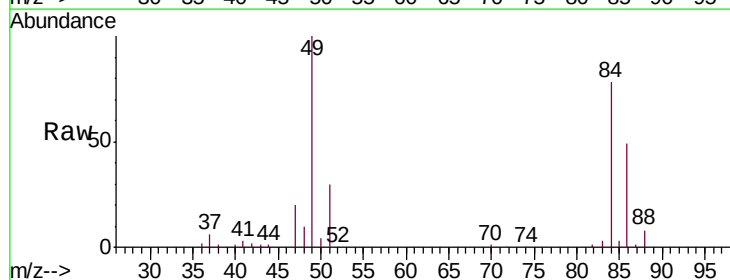
Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

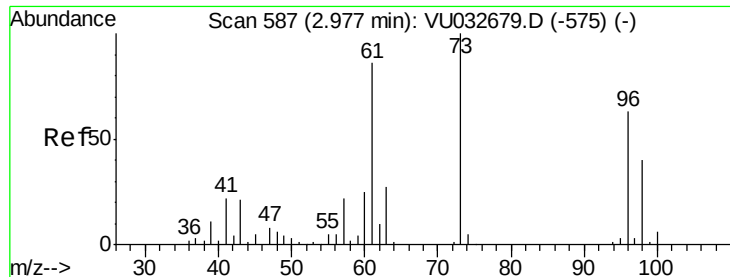
Tgt Ion: 43 Resp: 75248
Ion Ratio Lower Upper
43 100
74 22.4 18.0 27.0



#16
Methylene chloride
Concen: 53.143 ug/L
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU032695.D
Acq: 13 Jun 2019 15:29

Tgt Ion: 84 Resp: 59647
Ion Ratio Lower Upper
84 100
86 62.9 44.7 82.9
49 128.2 86.1 159.9





#17

trans-1,2-Dichloroethene

Concen: 50.504 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

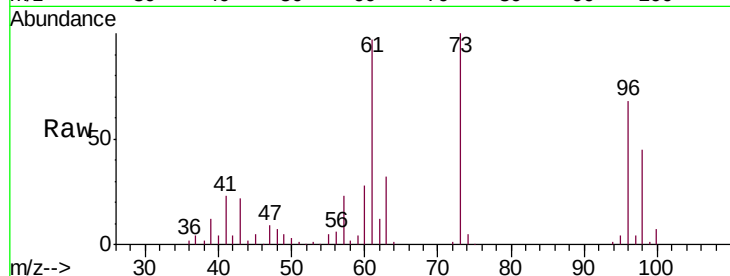
Tgt Ion: 96 Resp: 53833

Ion Ratio Lower Upper

96 100

61 141.4 95.7 177.7

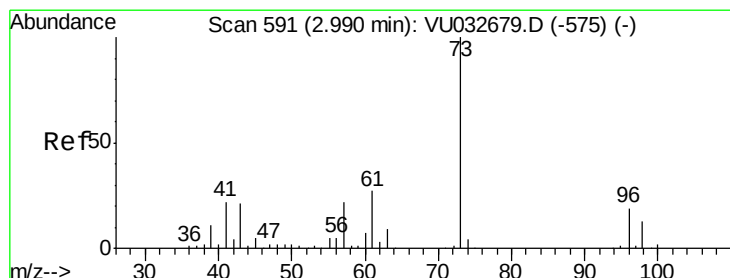
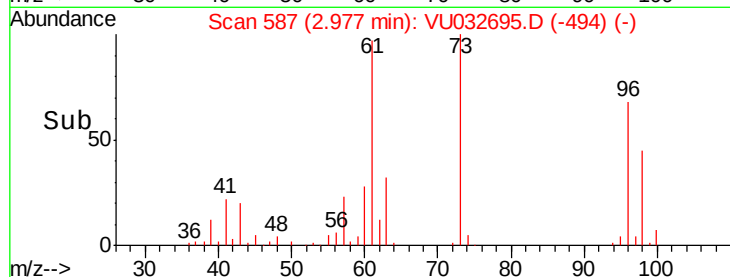
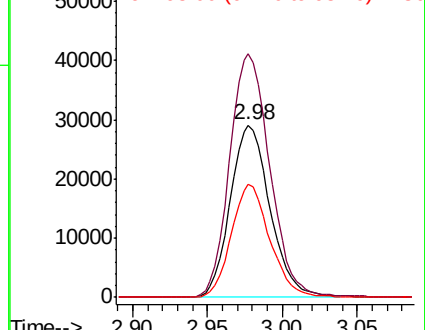
98 65.7 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU032679.D (-575) (-)

Ion 61.00 (60.70 to 61.70): VU032679.D (-575) (-)

Ion 98.00 (97.70 to 98.70): VU032679.D (-575) (-)



#18

Methyl tert-butyl Ether

Concen: 51.384 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

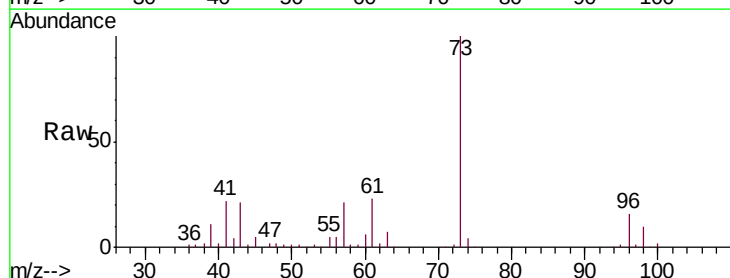
Tgt Ion: 73 Resp: 179939

Ion Ratio Lower Upper

73 100

43 21.4 15.8 23.6

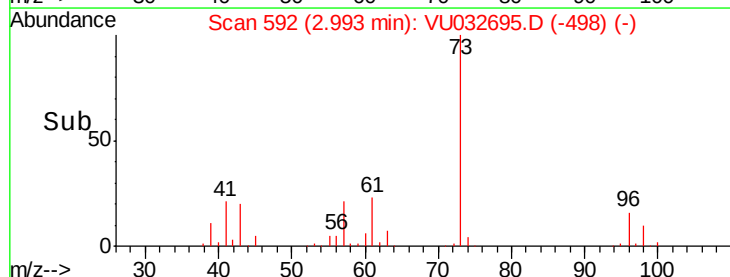
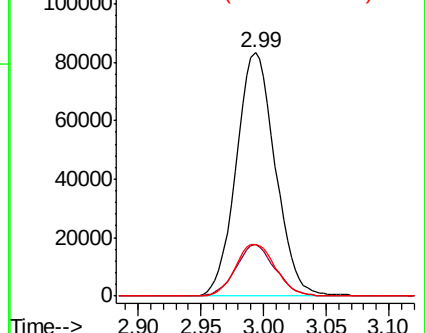
57 22.0 17.6 26.4

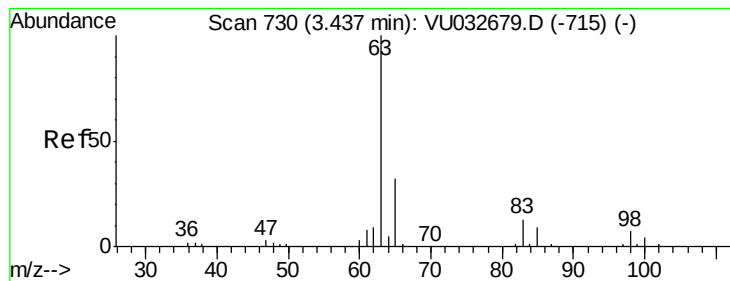


Abundance Ion 73.00 (72.70 to 73.70): VU032679.D (-575) (-)

Ion 43.00 (42.70 to 43.70): VU032679.D (-575) (-)

Ion 57.00 (56.70 to 57.70): VU032679.D (-575) (-)





#19

1,1-Dichloroethane

Concen: 54.153 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

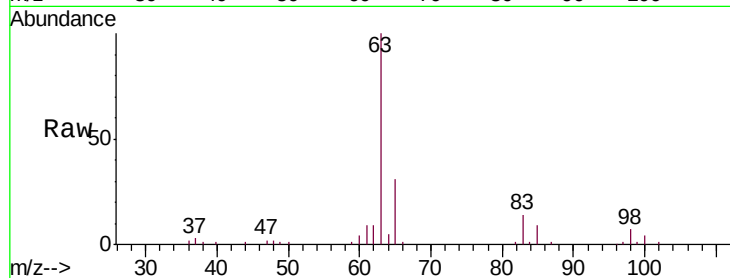
Tgt Ion: 63 Resp: 105230

Ion Ratio Lower Upper

63 100

65 30.7 21.8 40.6

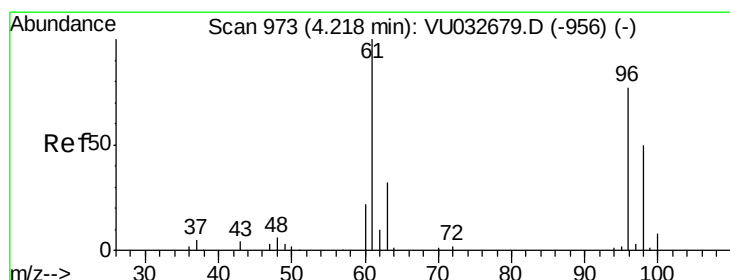
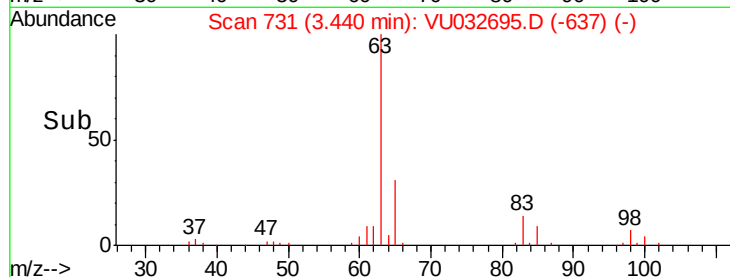
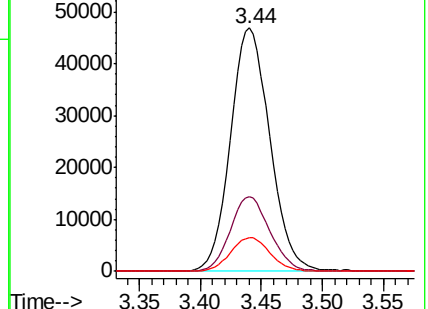
83 13.7 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VU032679.D (-715) (-)

Ion 65.00 (64.70 to 65.70): VU032679.D (-715) (-)

Ion 83.00 (82.70 to 83.70): VU032679.D (-715) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.871 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

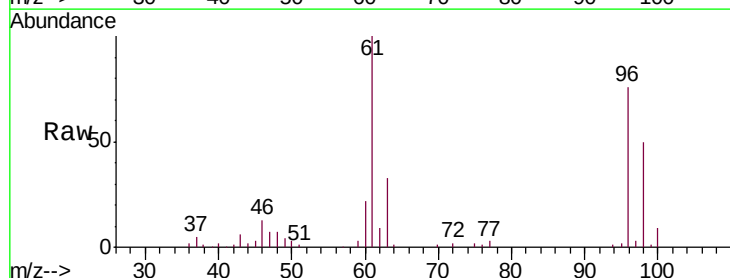
Tgt Ion: 96 Resp: 61368

Ion Ratio Lower Upper

96 100

61 130.9 87.2 162.0

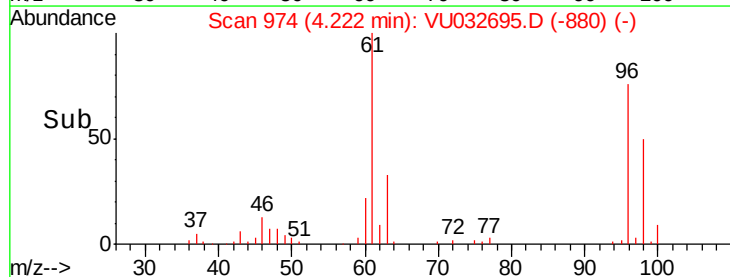
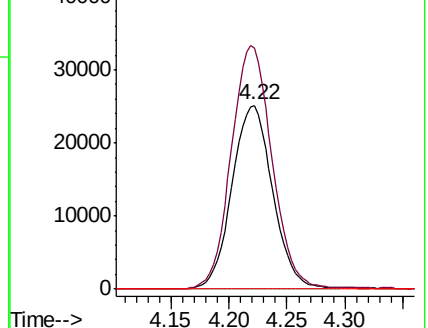
68 0.0 0.0 0.0

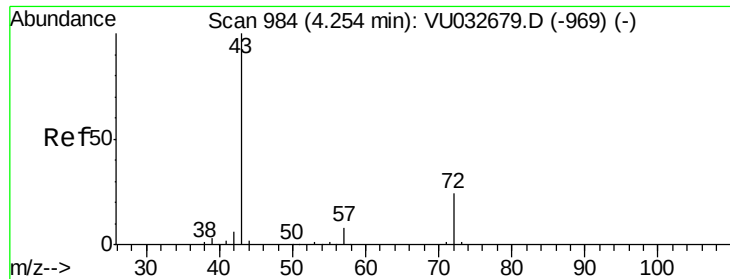


Abundance Ion 96.00 (95.70 to 96.70): VU032679.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU032679.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU032679.D (-956) (-)





#22

2-Butanone

Concen: 110.812 ug/L

RT: 4.25 min Scan# 984

Delta R.T. -0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

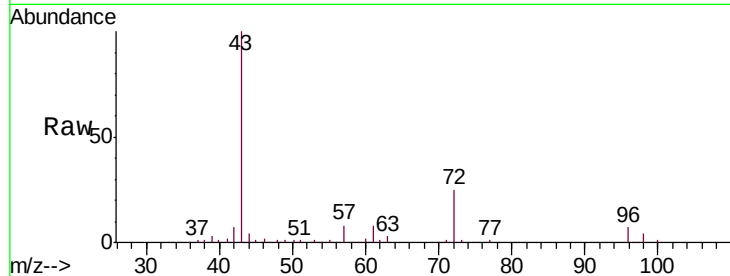
VSTD05050

Tgt Ion: 43 Resp: 121628

Ion Ratio Lower Upper

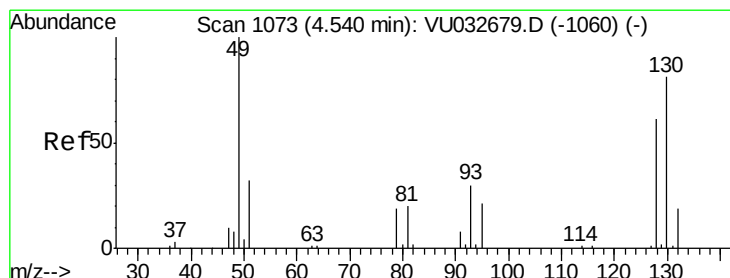
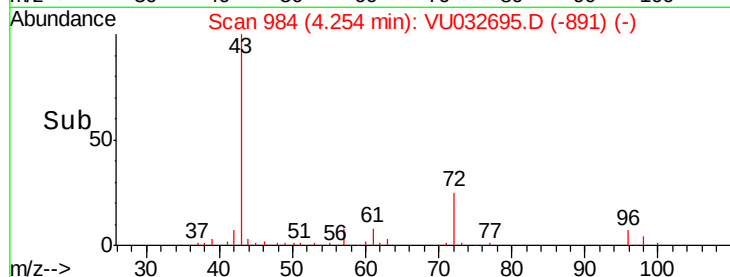
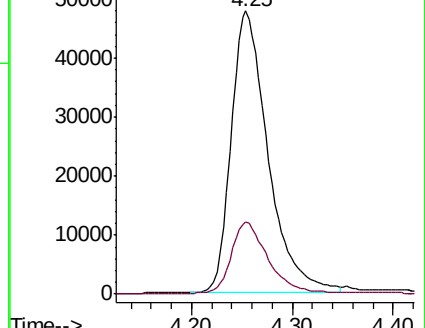
43 100

72 25.5 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU032679.D (-969) (-)

Ion 72.00 (71.70 to 72.70): VU032679.D (-969) (-)



#23

Bromochloromethane

Concen: 50.890 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

Tgt Ion: 128 Resp: 31920

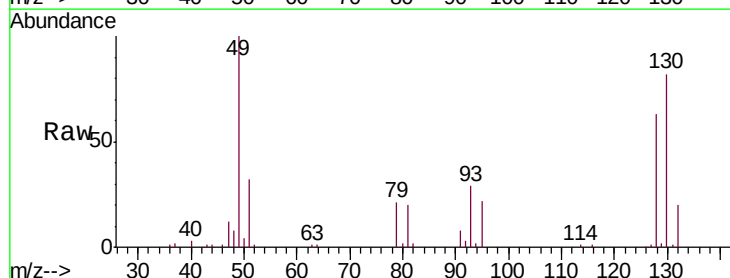
Ion Ratio Lower Upper

128 100

49 159.5 103.7 192.5

130 130.7 92.2 171.2

51 51.1 37.7 56.5

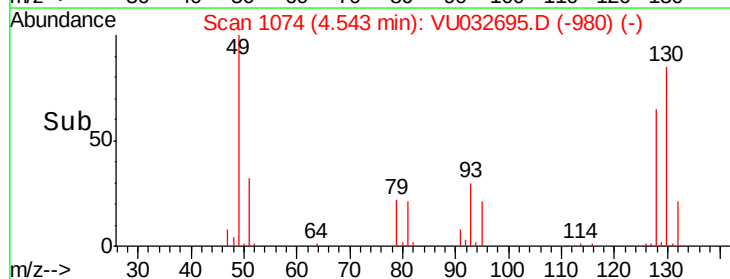
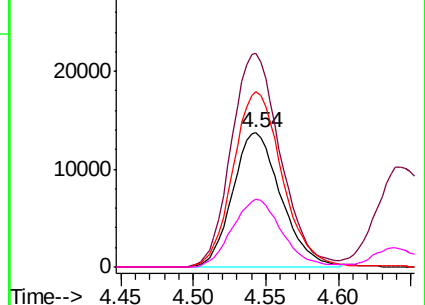


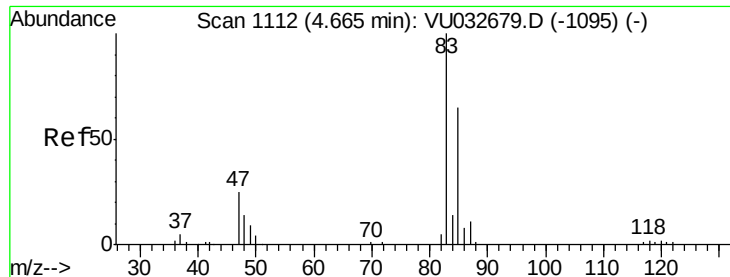
Abundance Ion 128.00 (127.70 to 128.70): VU032679.D (-1060) (-)

Ion 49.00 (48.70 to 49.70): VU032679.D (-1060) (-)

Ion 130.00 (129.70 to 130.70): VU032679.D (-1060) (-)

Ion 51.00 (50.70 to 51.70): VU032679.D (-1060) (-)

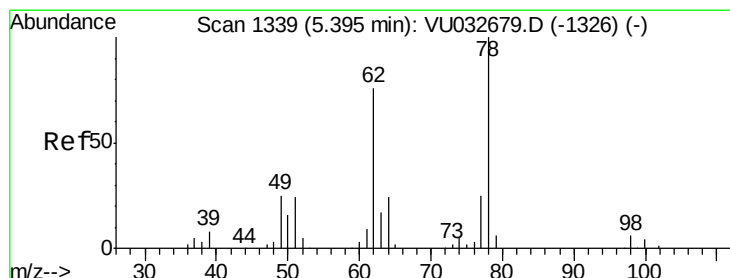
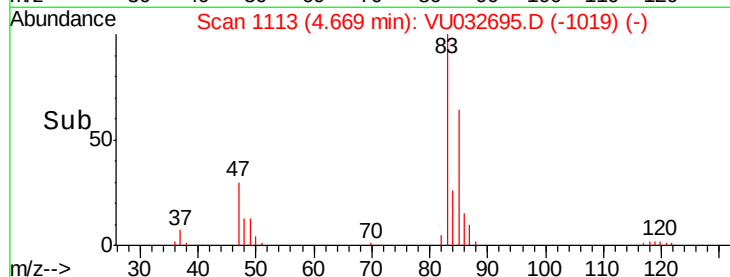
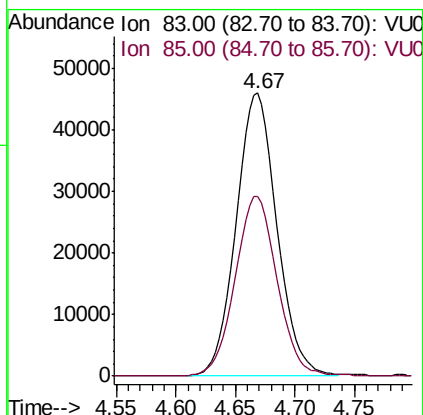
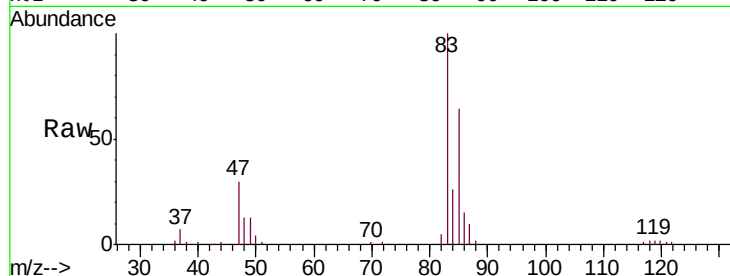




#25
Chloroform
Concen: 54.472 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU032695.D
Acq: 13 Jun 2019 15:29

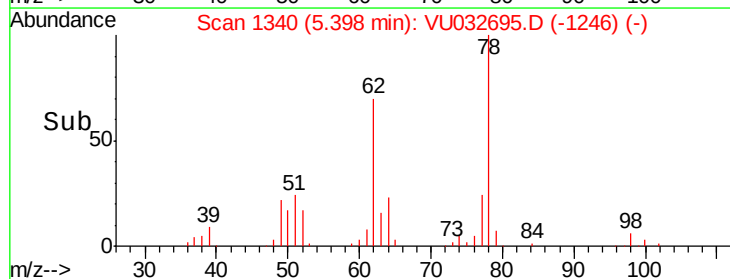
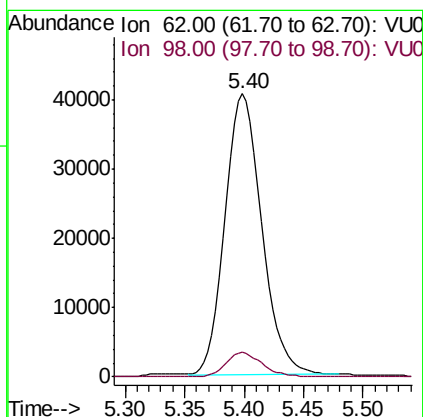
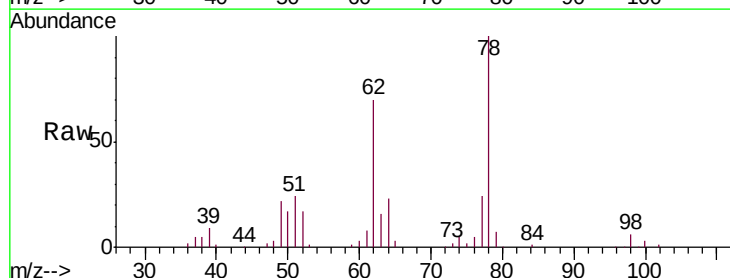
Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

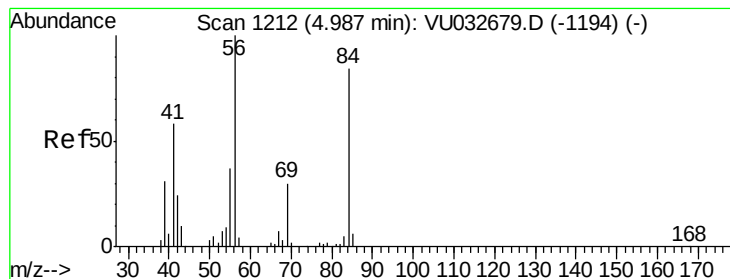
Tgt Ion: 83 Resp: 109230
Ion Ratio Lower Upper
83 100
85 63.6 44.7 82.9



#27
1,2-Dichloroethane
Concen: 55.121 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU032695.D
Acq: 13 Jun 2019 15:29

Tgt Ion: 62 Resp: 87379
Ion Ratio Lower Upper
62 100
98 8.7 7.2 10.8





#29

Cyclohexane

Concen: 47.016 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

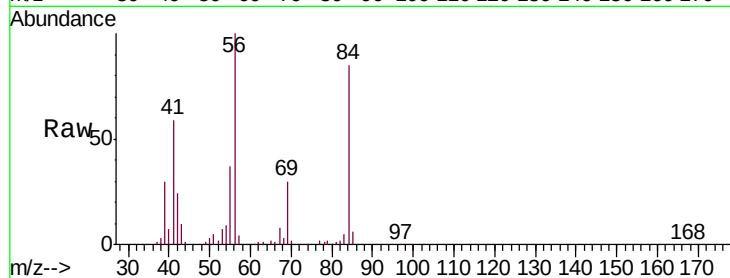
Tgt Ion: 56 Resp: 89528

Ion Ratio Lower Upper

56 100

69 30.4 24.7 37.1

84 87.0 69.0 103.4

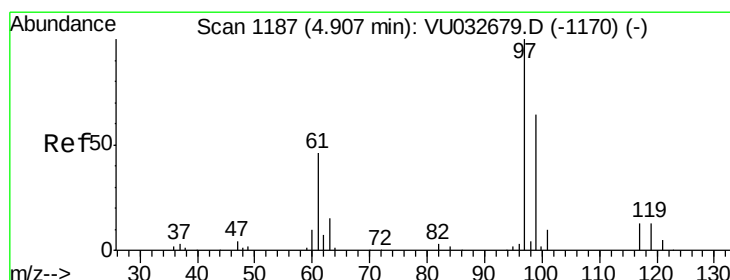
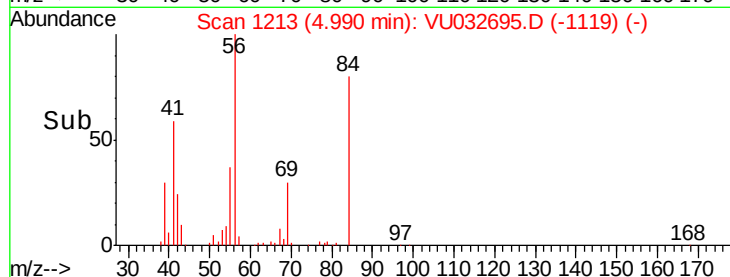
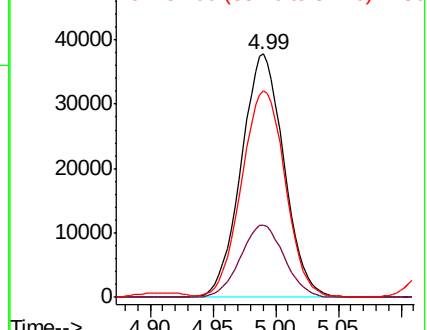


Abundance

Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 52.078 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

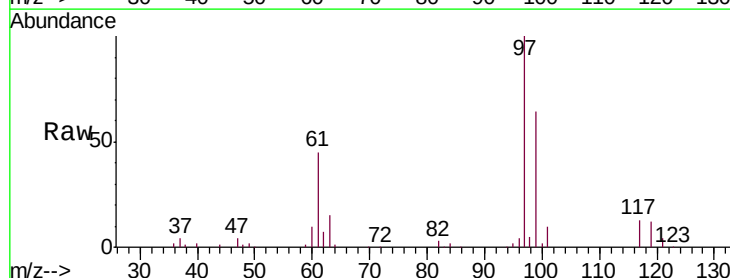
Tgt Ion: 97 Resp: 94382

Ion Ratio Lower Upper

97 100

99 63.3 50.5 75.7

61 45.7 33.8 50.6

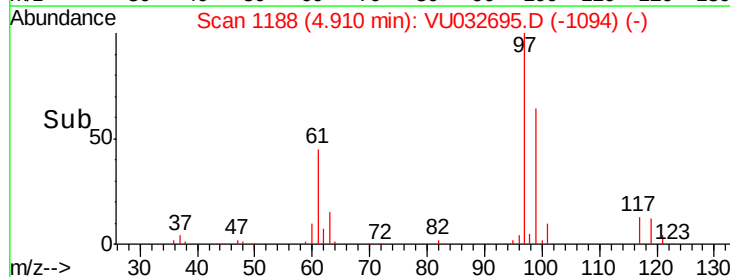
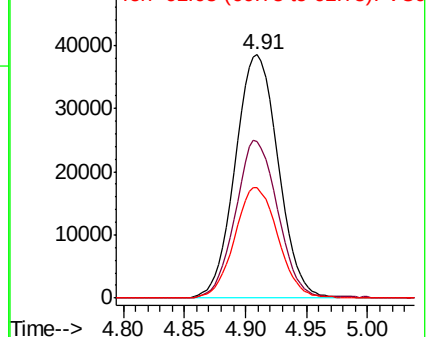


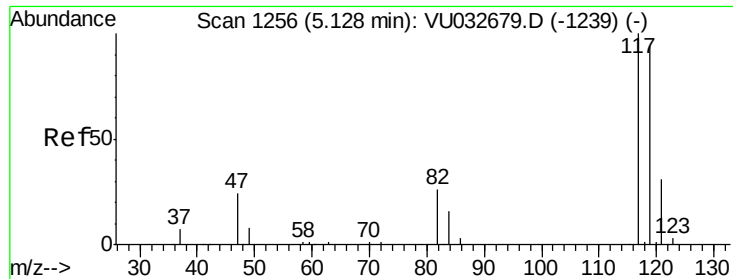
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 51.150 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

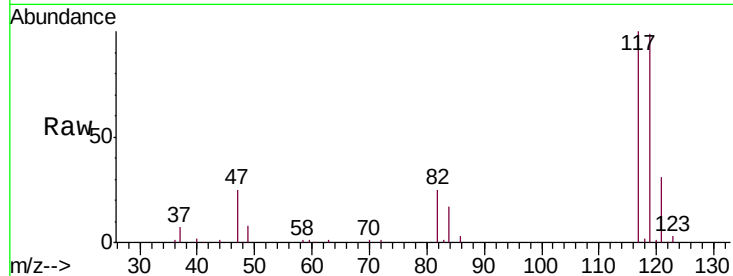
VSTD05050

Tgt Ion:117 Resp: 84962

Ion Ratio Lower Upper

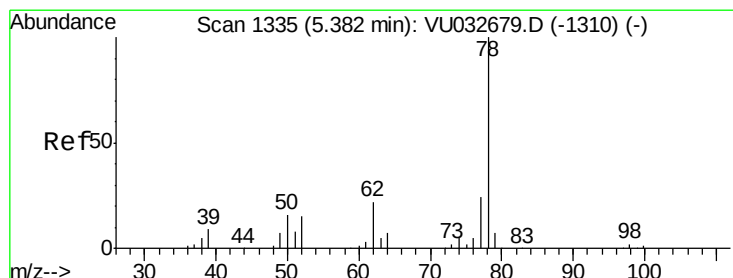
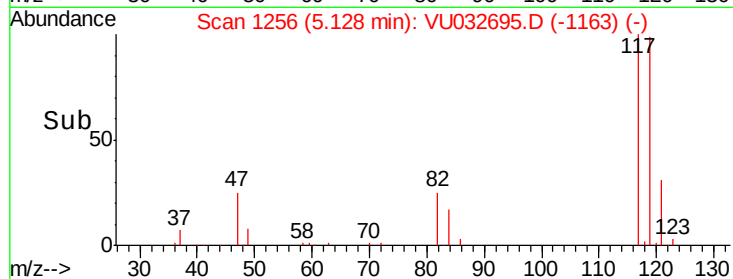
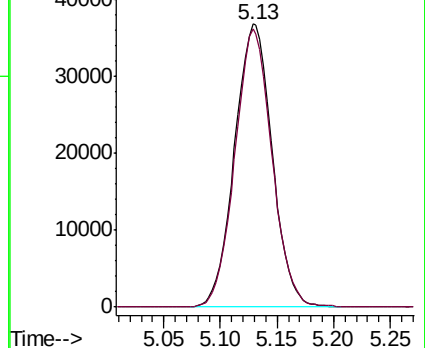
117 100

119 96.8 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.547 ug/L

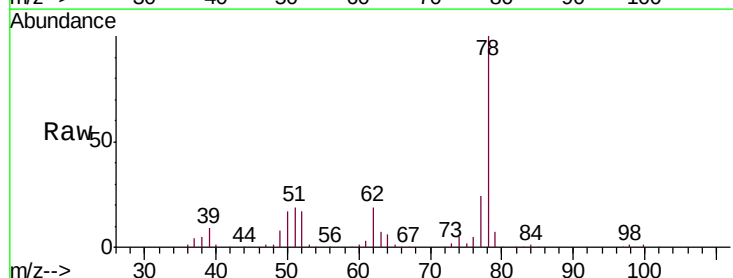
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

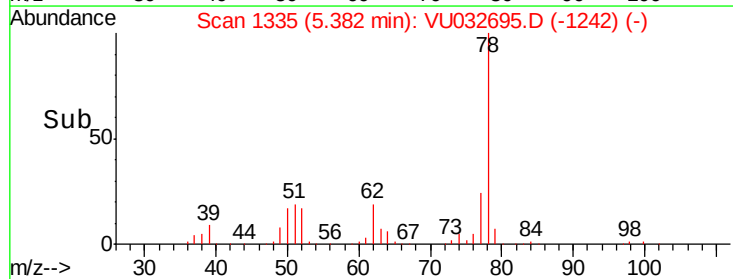
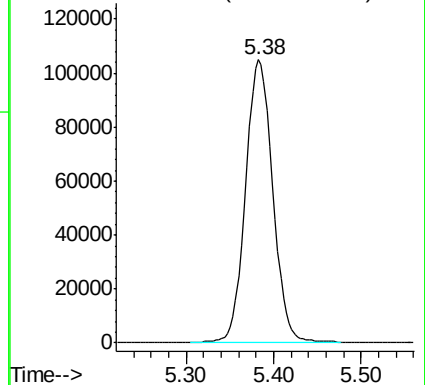
Lab File: VU032695.D

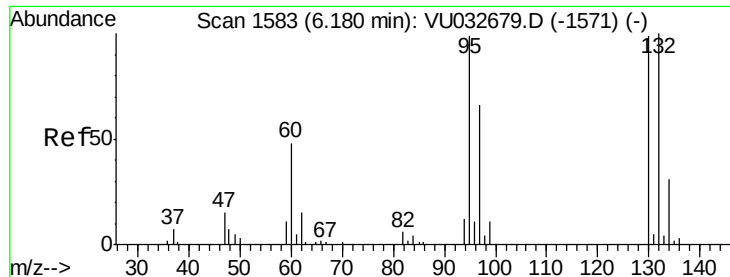
Acq: 13 Jun 2019 15:29

Tgt Ion: 78 Resp: 227363



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.516 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

Tgt Ion: 95 Resp: 61820

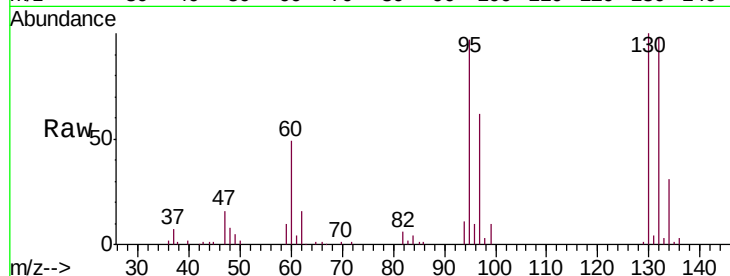
Ion Ratio Lower Upper

95 100

97 64.7 45.8 85.2

132 101.2 71.0 131.8

130 103.6 73.4 136.2

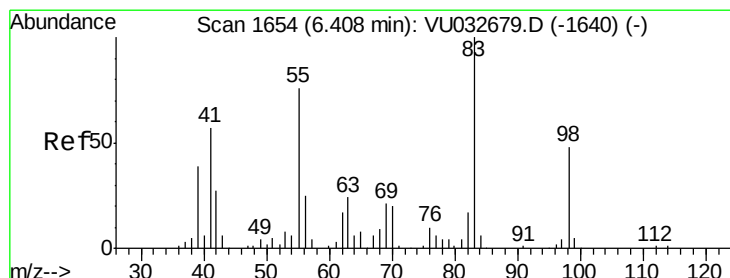
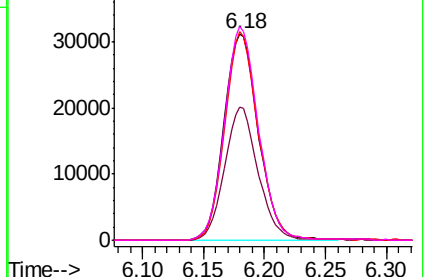
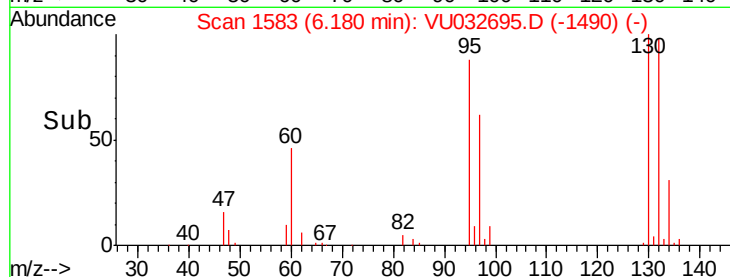


Abundance Ion 95.00 (94.70 to 95.70): VU032679.D (-1571) (-)

Ion 97.00 (96.70 to 97.70): VU032679.D (-1571) (-)

Ion 132.00 (131.70 to 132.70): VU032679.D (-1571) (-)

Ion 130.00 (129.70 to 130.70): VU032679.D (-1571) (-)



#35

Methylcyclohexane

Concen: 48.030 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

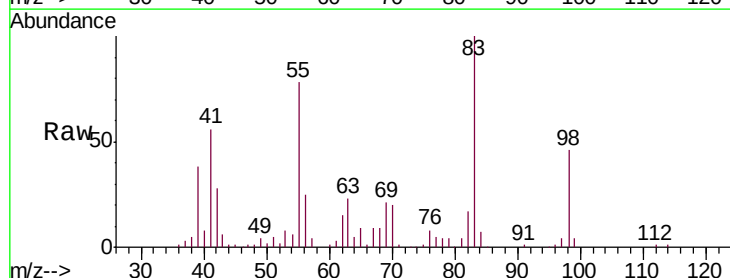
Tgt Ion: 83 Resp: 95153

Ion Ratio Lower Upper

83 100

55 76.3 60.2 90.4

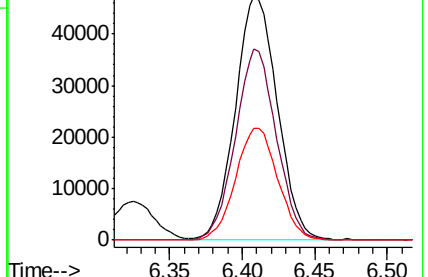
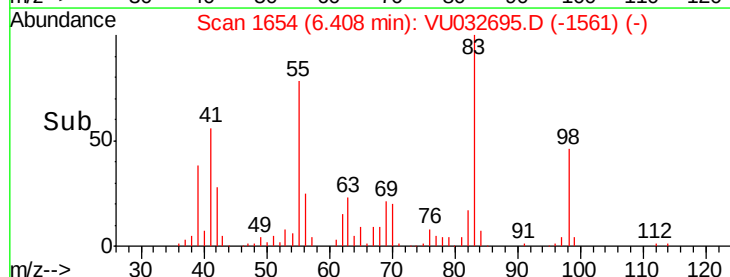
98 46.2 37.4 56.2

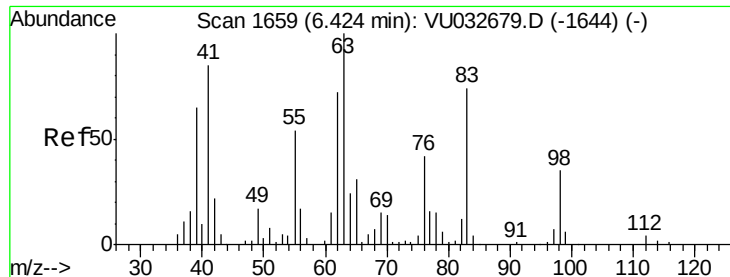


Abundance Ion 83.00 (82.70 to 83.70): VU032679.D (-1640) (-)

Ion 55.00 (54.70 to 55.70): VU032679.D (-1640) (-)

Ion 98.00 (97.70 to 98.70): VU032679.D (-1640) (-)

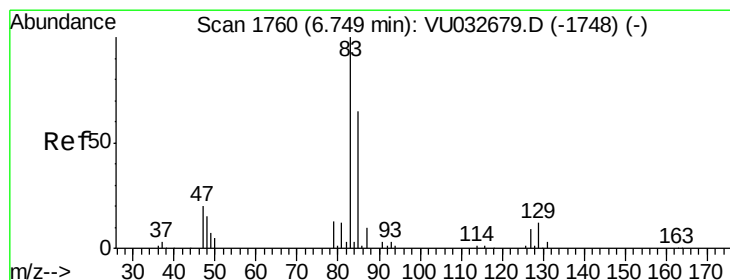
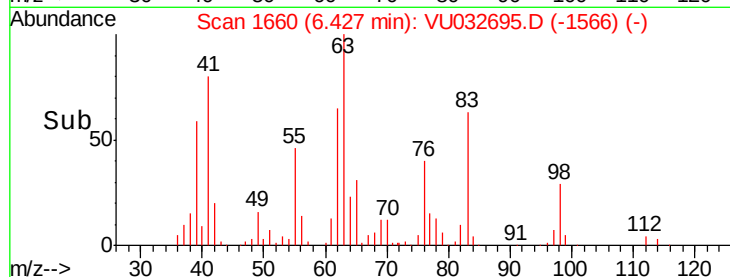
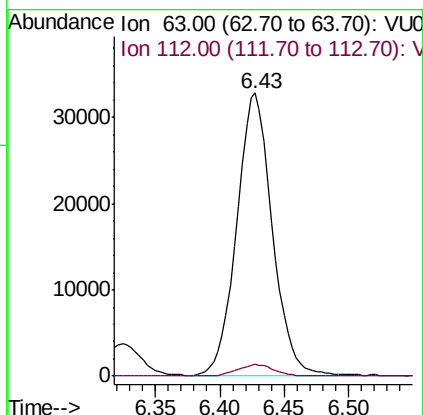
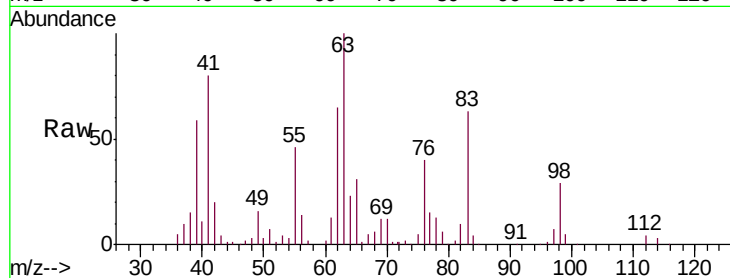




#37
 1,2-Dichloropropane
 Concen: 52.379 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU032695.D
 Acq: 13 Jun 2019 15:29

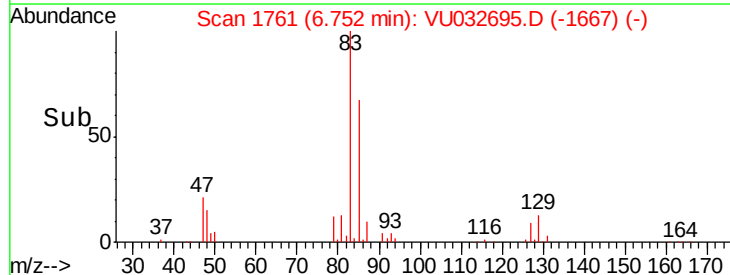
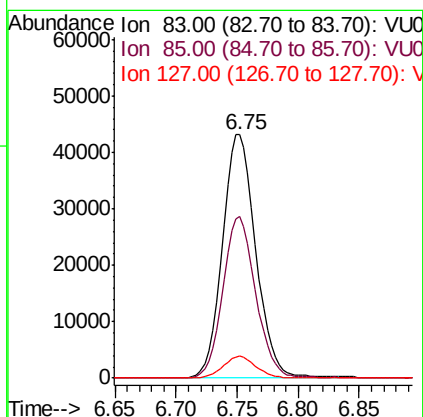
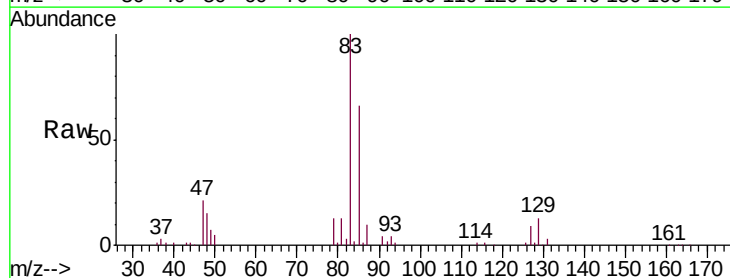
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

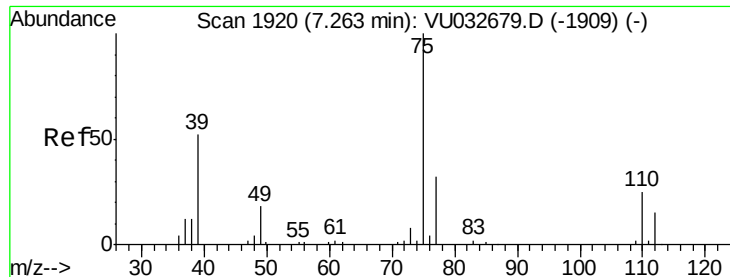
Tgt Ion: 63 Resp: 62455
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.1 4.7



#38
 Bromodichloromethane
 Concen: 53.854 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU032695.D
 Acq: 13 Jun 2019 15:29

Tgt Ion: 83 Resp: 82684
 Ion Ratio Lower Upper
 83 100
 85 66.3 45.4 84.4
 127 9.0 7.4 11.2

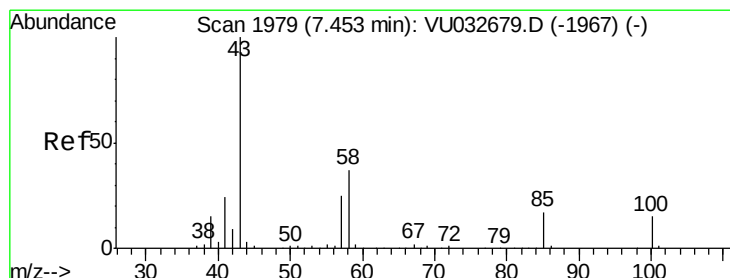
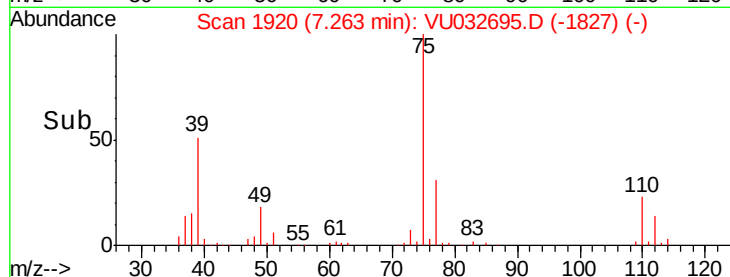
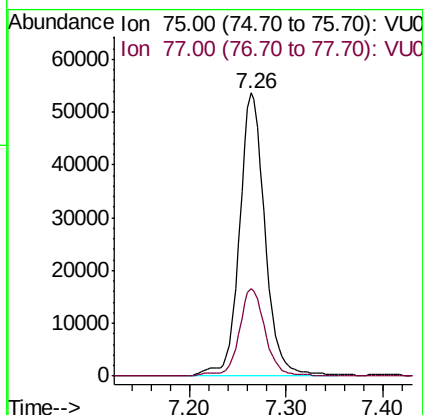
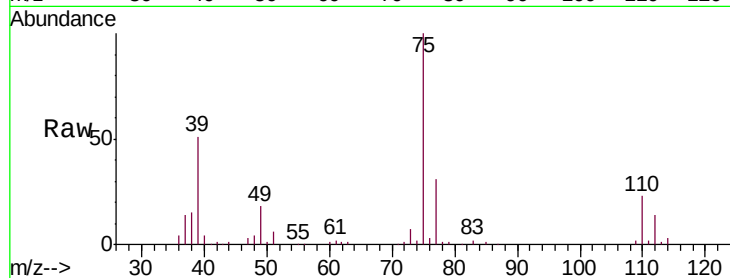




#39
 cis-1,3-Dichloropropene
 Concen: 52.413 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU032695.D
 Acq: 13 Jun 2019 15:29

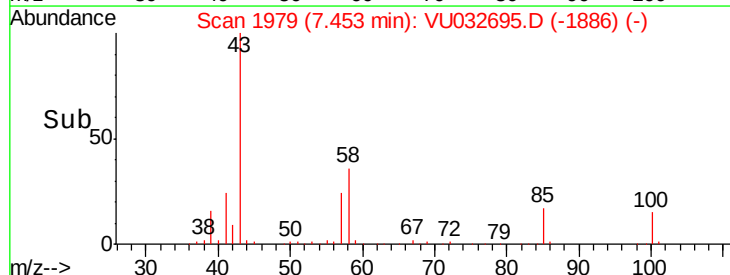
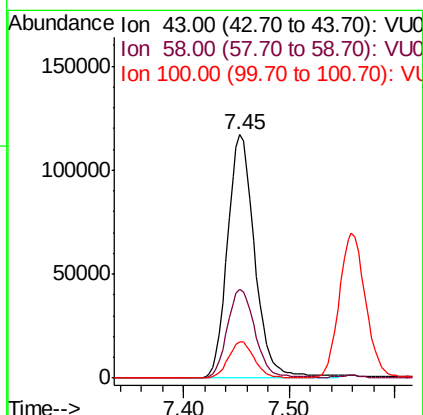
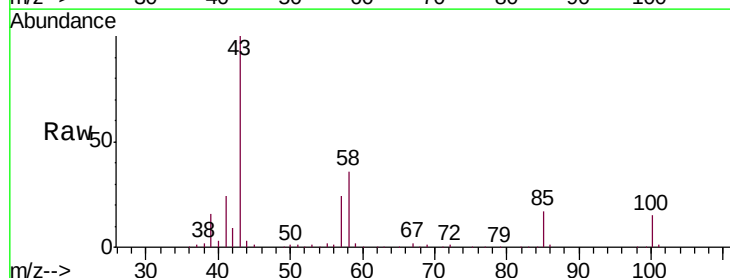
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

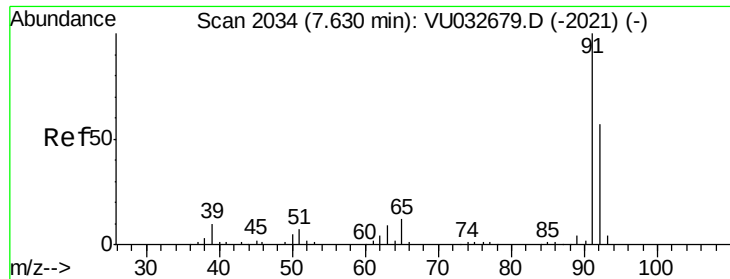
Tgt Ion: 75 Resp: 98604
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 108.619 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VU032695.D
 Acq: 13 Jun 2019 15:29

Tgt Ion: 43 Resp: 208359
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.8 46.2
 100 14.5 12.1 18.1





#42

Toluene

Concen: 50.341 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

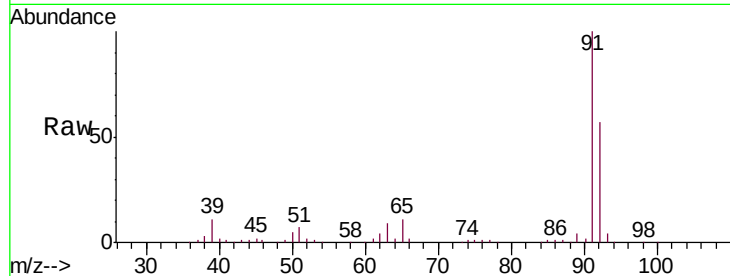
VSTD05050

Tgt Ion: 91 Resp: 247985

Ion Ratio Lower Upper

91 100

92 56.7 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032679.D (-2021) (-)

Ion 92.00 (91.70 to 92.70): VU032679.D (-2021) (-)

7.63

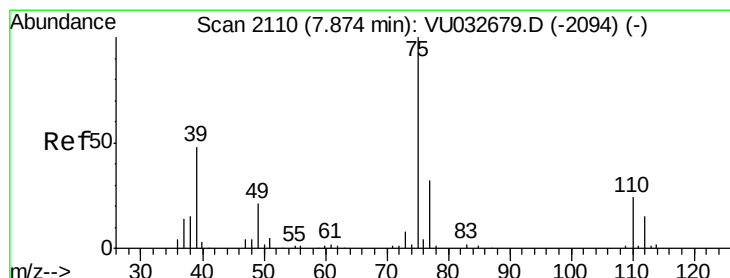
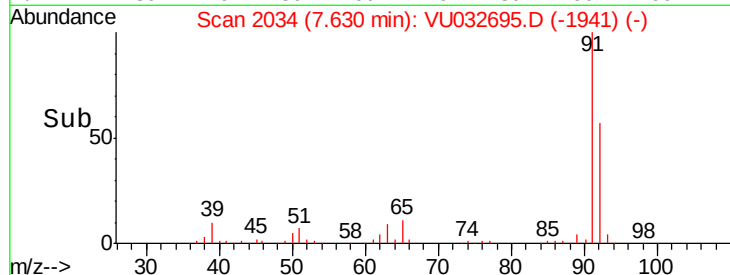
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.201 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032695.D

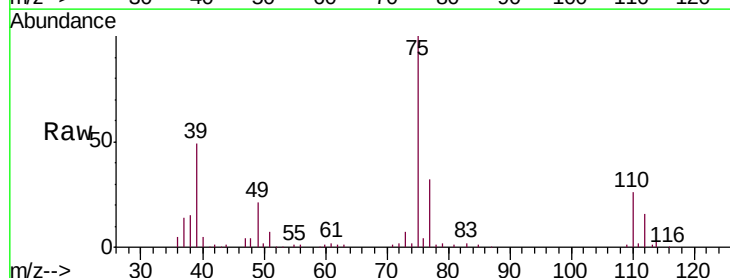
Acq: 13 Jun 2019 15:29

Tgt Ion: 75 Resp: 87167

Ion Ratio Lower Upper

75 100

77 32.1 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032679.D (-2094) (-)

Ion 77.00 (76.70 to 77.70): VU032679.D (-2094) (-)

7.87

50000

40000

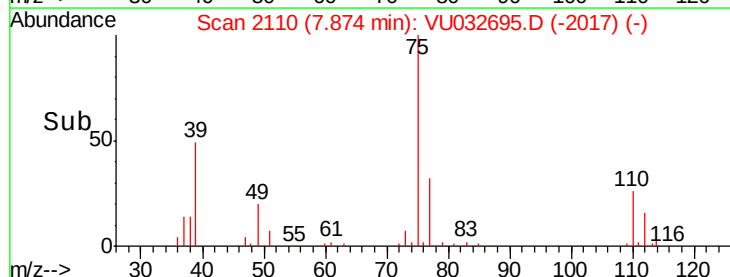
30000

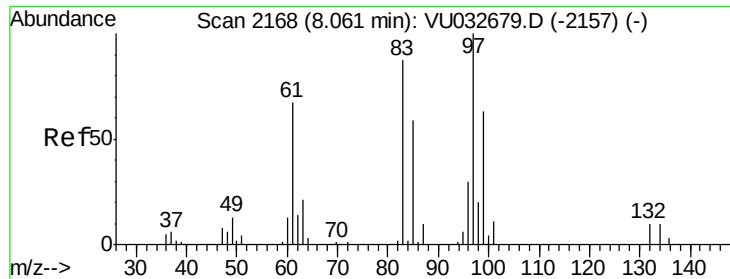
20000

10000

0

Time-->

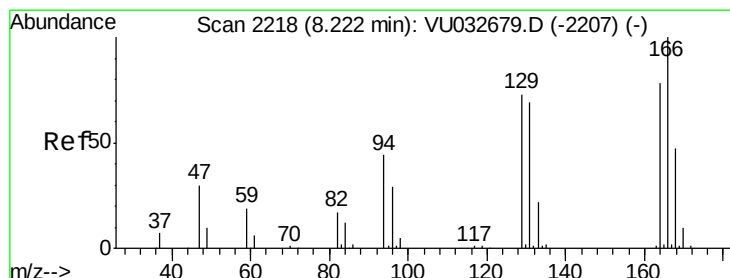
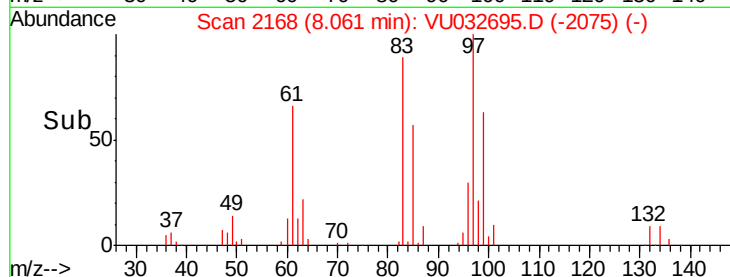
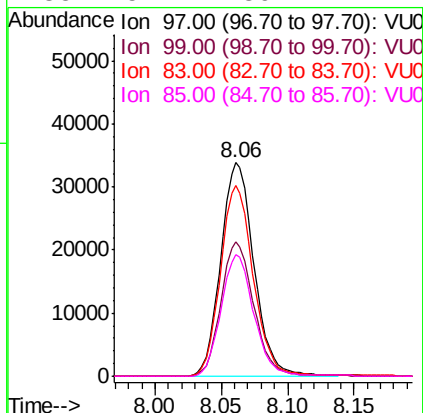
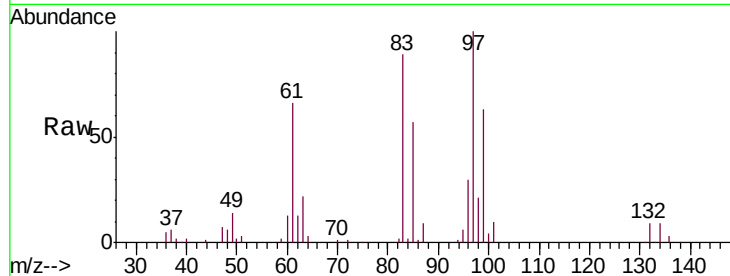




#45
1,1,2-Trichloroethane
Concen: 52.318 ug/L
RT: 8.06 min Scan# 2168
Delta R.T. -0.00 min
Lab File: VU032695.D
Acq: 13 Jun 2019 15:29

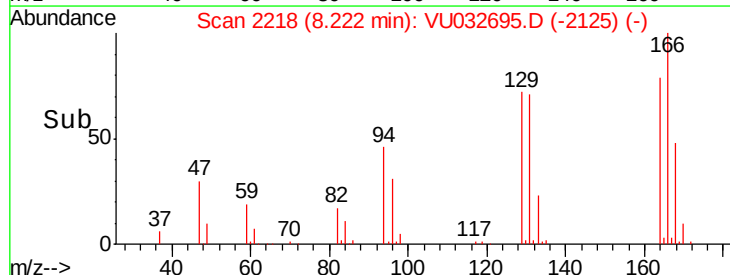
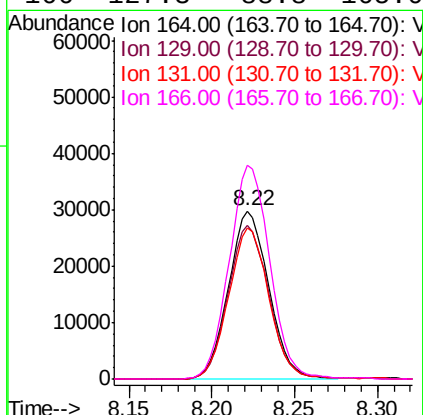
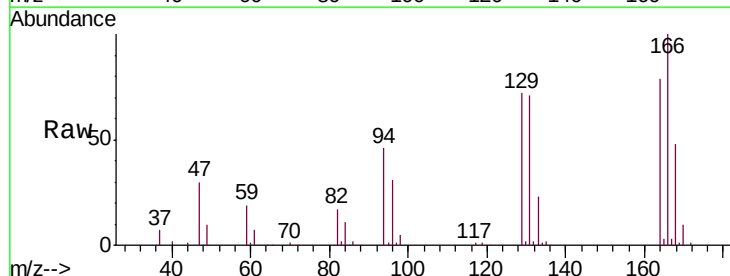
Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

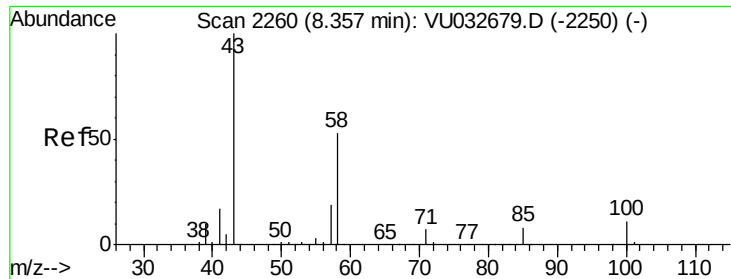
Tgt Ion:	97	Resp:	58992
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.1	81.9
83	89.1	59.4	110.2
85	57.1	39.1	72.7



#46
Tetrachloroethene
Concen: 49.600 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU032695.D
Acq: 13 Jun 2019 15:29

Tgt Ion:	164	Resp:	50132
Ion	Ratio	Lower	Upper
164	100		
129	91.8	65.3	121.3
131	90.3	64.0	119.0
166	127.3	88.8	165.0

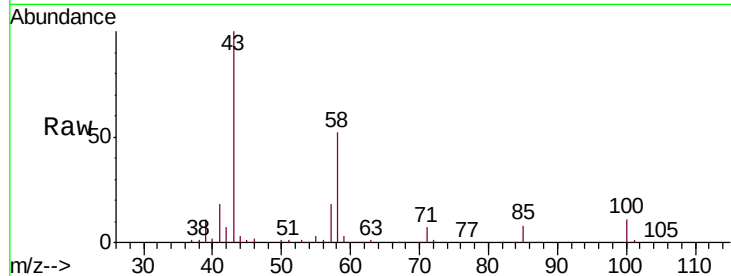




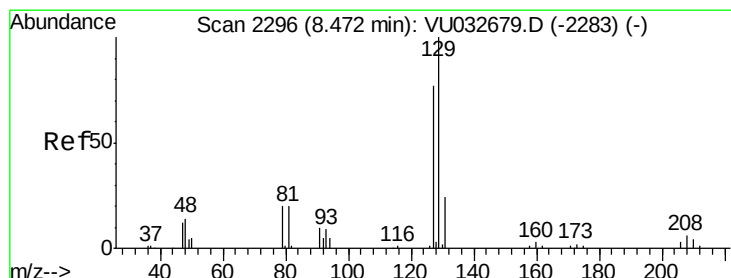
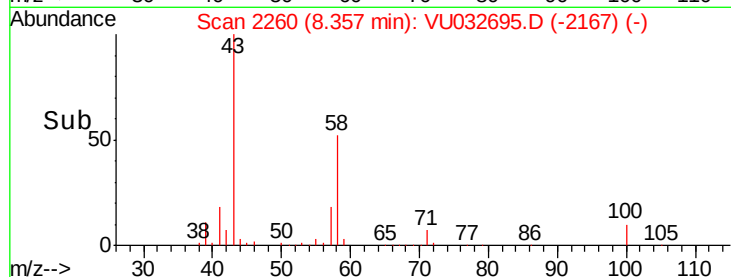
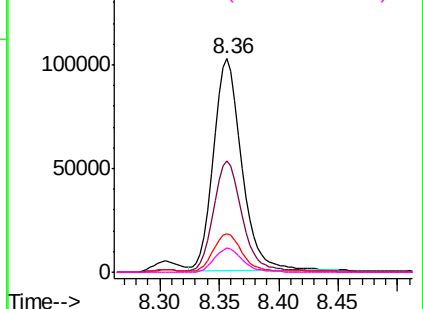
#48
2-Hexanone
Concen: 107.513 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.00 min
Lab File: VU032695.D
Acq: 13 Jun 2019 15:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

Tgt Ion: 43 Resp: 169393
Ion Ratio Lower Upper
43 100
58 54.2 42.0 63.0
57 18.8 14.6 22.0
100 11.3 9.2 13.8

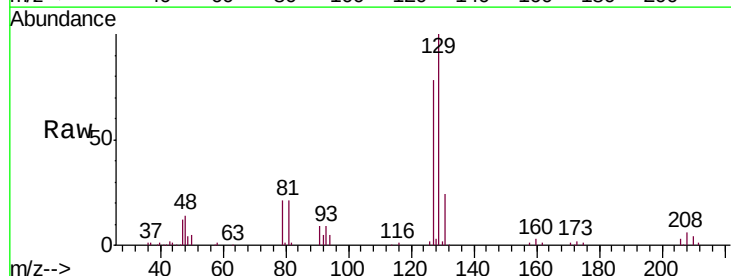


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

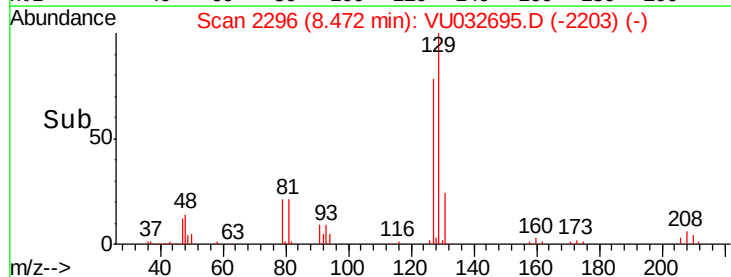
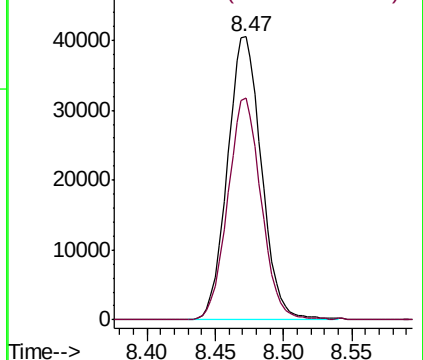


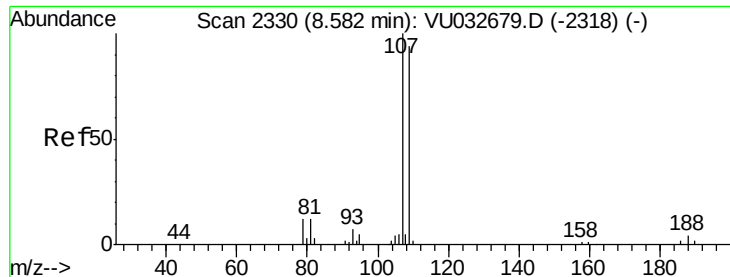
#49
Dibromochloromethane
Concen: 53.605 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU032695.D
Acq: 13 Jun 2019 15:29

Tgt Ion: 129 Resp: 70255
Ion Ratio Lower Upper
129 100
127 78.3 53.6 99.6



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

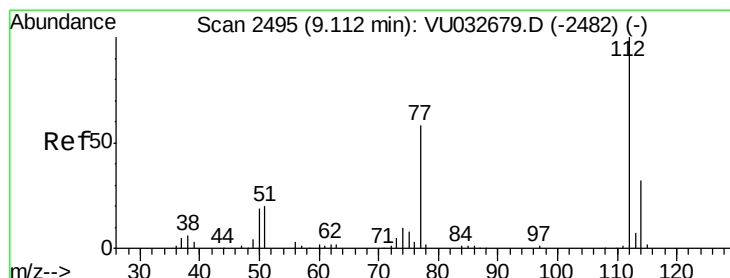
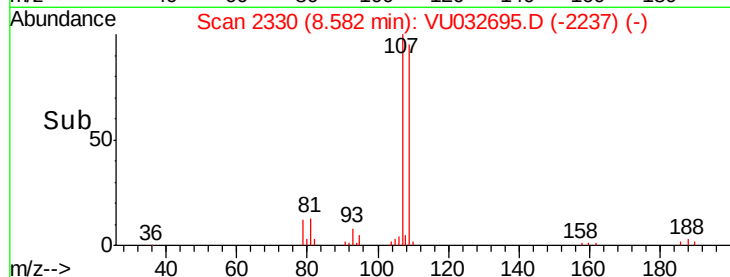
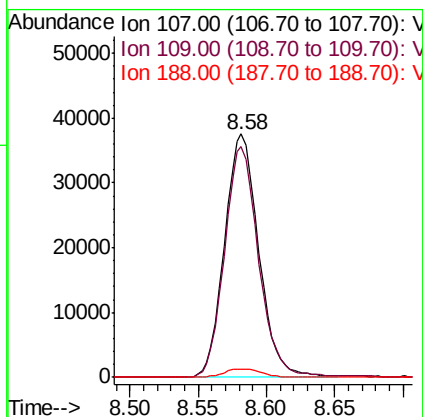
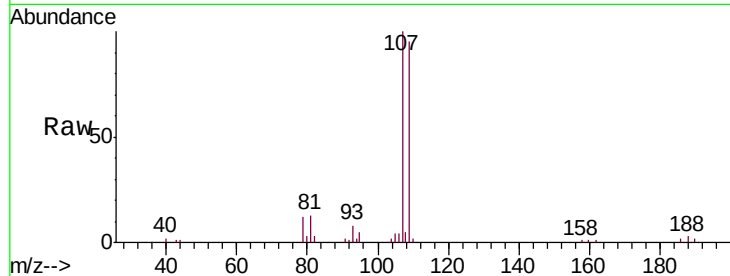




#50
1,2-Dibromoethane
Concen: 51.629 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU032695.D
Acq: 13 Jun 2019 15:29

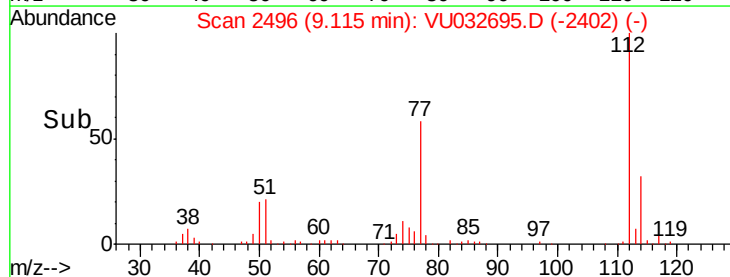
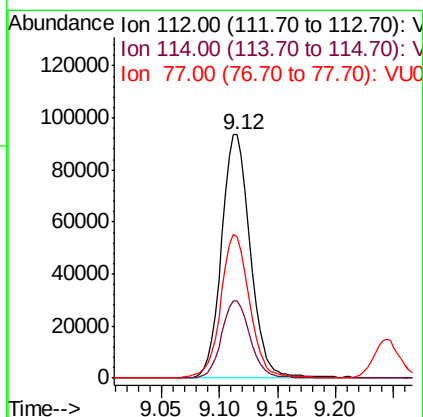
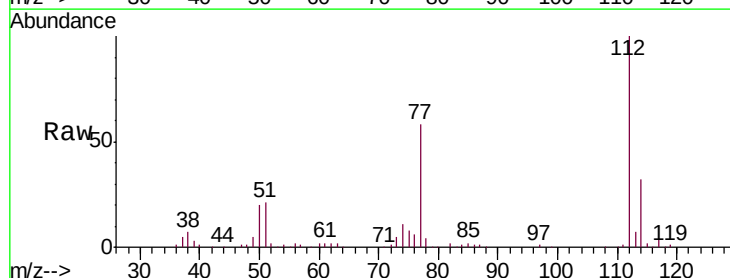
Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

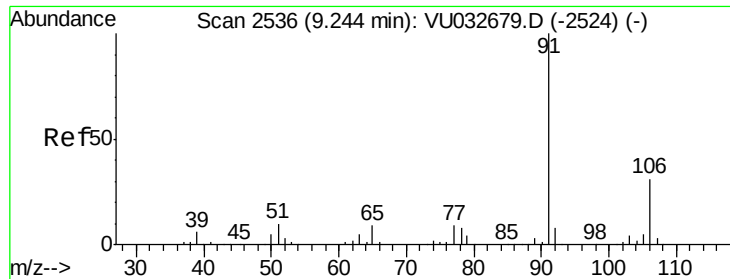
Tgt Ion:107 Resp: 65526
Ion Ratio Lower Upper
107 100
109 95.0 66.8 124.0
188 3.5 3.1 4.7



#51
Chlorobenzene
Concen: 50.675 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU032695.D
Acq: 13 Jun 2019 15:29

Tgt Ion:112 Resp: 160830
Ion Ratio Lower Upper
112 100
114 31.7 22.6 42.0
77 57.9 46.1 69.1





#52

Ethylbenzene

Concen: 49.896 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

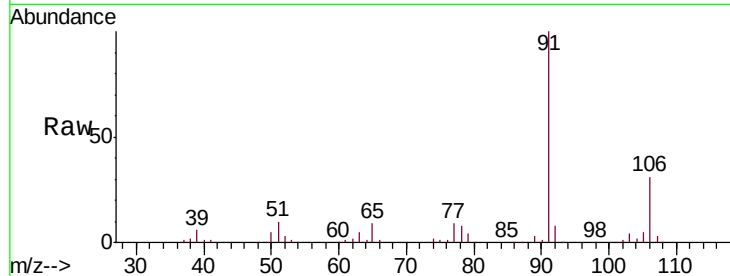
VSTD05050

Tgt Ion: 91 Resp: 273974

Ion Ratio Lower Upper

91 100

106 31.3 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU032679.D (-2524) (-)

Ion 106.00 (105.70 to 106.70): VU032679.D (-2524) (-)

200000

150000

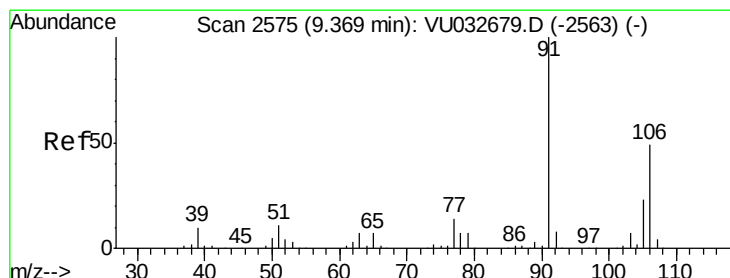
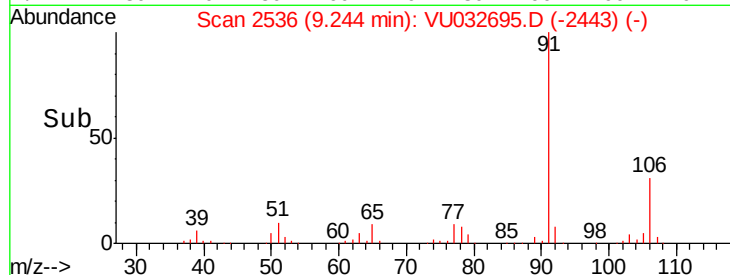
100000

50000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 49.296 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032695.D

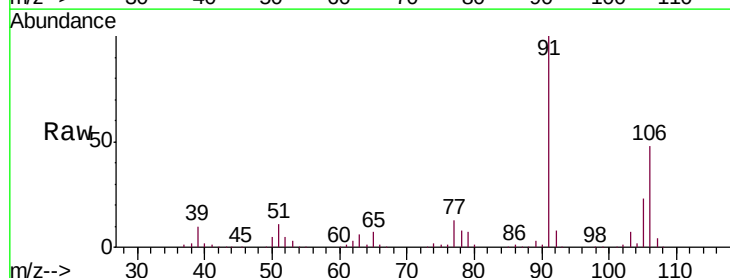
Acq: 13 Jun 2019 15:29

Tgt Ion: 106 Resp: 102927

Ion Ratio Lower Upper

106 100

91 207.7 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): VU032679.D (-2563) (-)

Ion 91.00 (90.70 to 91.70): VU032679.D (-2563) (-)

150000

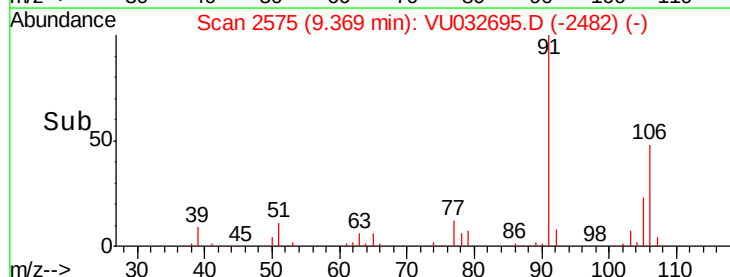
100000

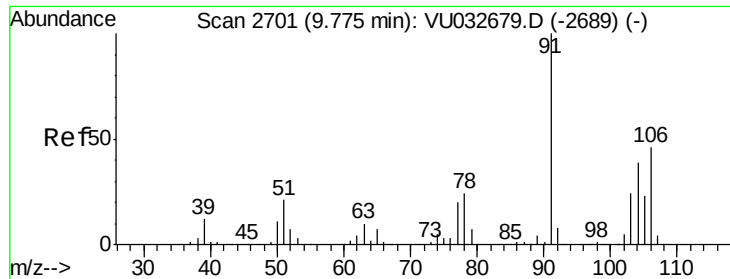
50000

0

9.30 9.35 9.40 9.45

Time-->





#54

o-xylene

Concen: 49.655 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

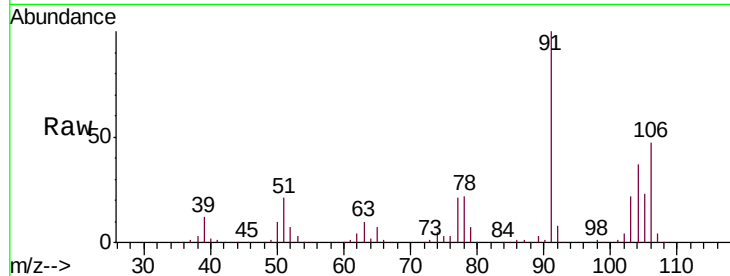
VSTD05050

Tgt Ion:106 Resp: 102940

Ion Ratio Lower Upper

106 100

91 214.2 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

150000

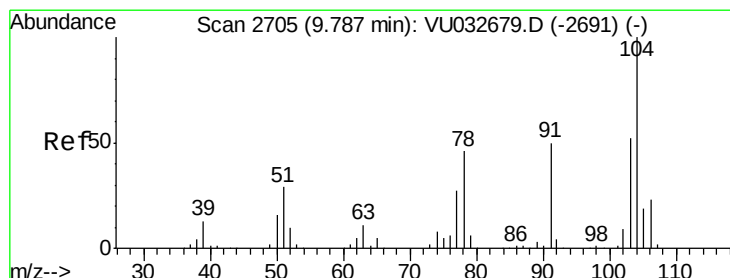
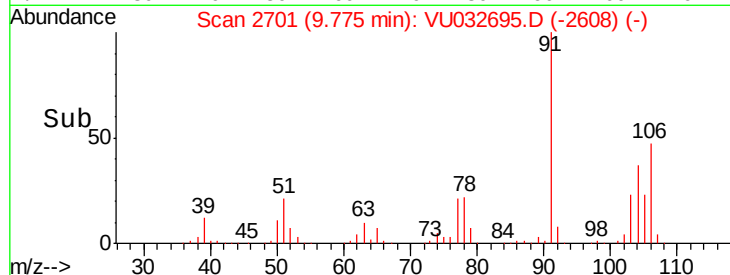
100000

50000

0

9.70 9.75 9.80 9.85

Time-->



#55

Styrene

Concen: 50.728 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU032695.D

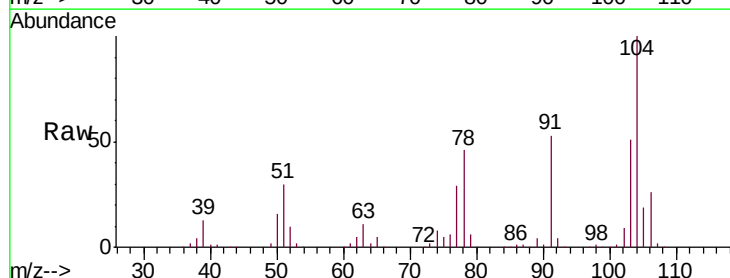
Acq: 13 Jun 2019 15:29

Tgt Ion:104 Resp: 175564

Ion Ratio Lower Upper

104 100

78 46.0 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

120000

100000

80000

60000

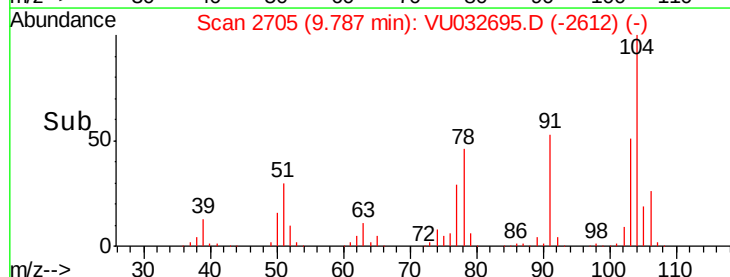
40000

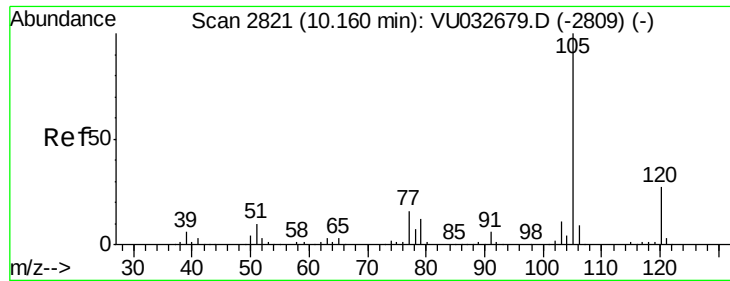
20000

0

9.70 9.80 9.90

Time-->





#56

Isopropylbenzene

Concen: 49.794 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

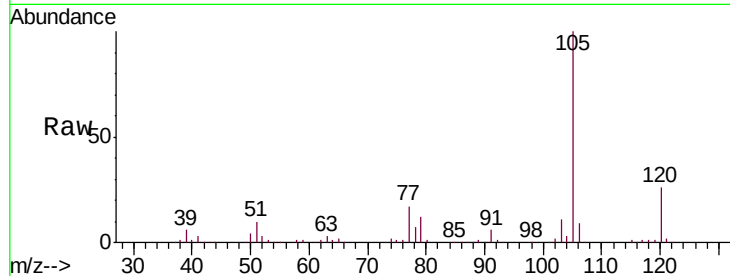
Tgt Ion: 105 Resp: 272198

Ion Ratio Lower Upper

105 100

120 26.1 21.6 32.4

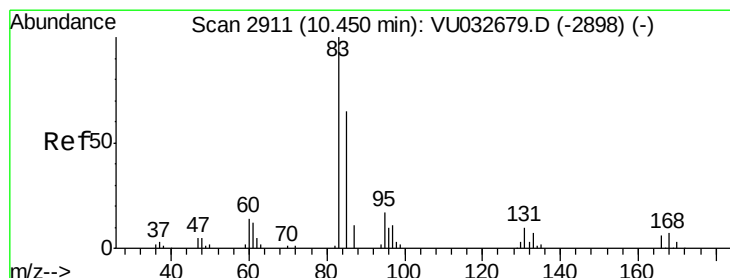
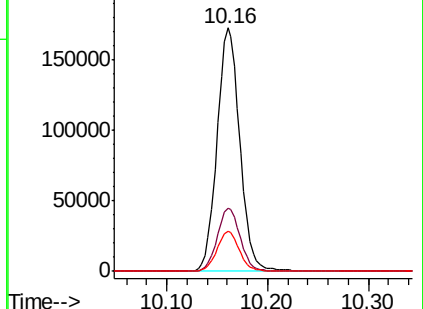
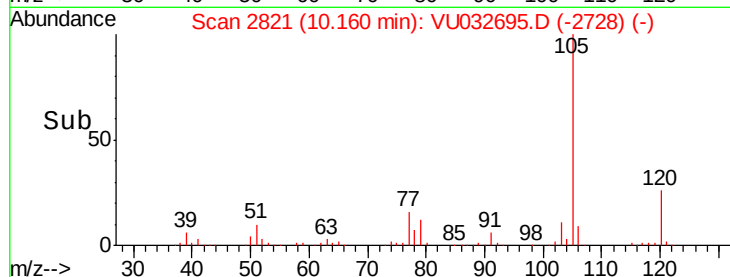
77 16.3 12.4 18.6



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: 53.742 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

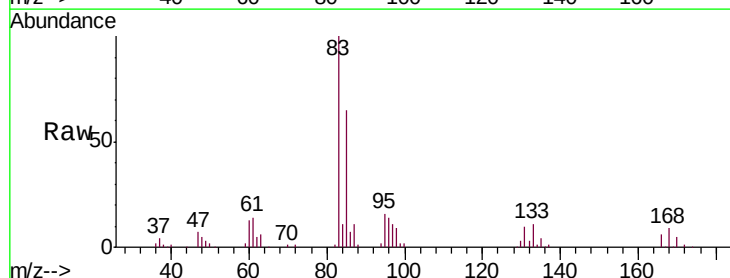
Tgt Ion: 83 Resp: 103568

Ion Ratio Lower Upper

83 100

85 65.2 45.1 83.7

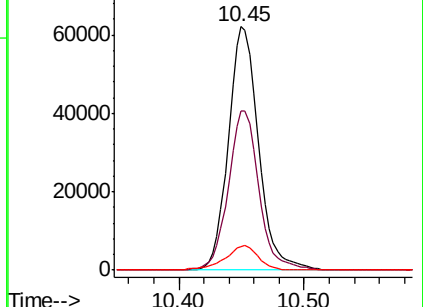
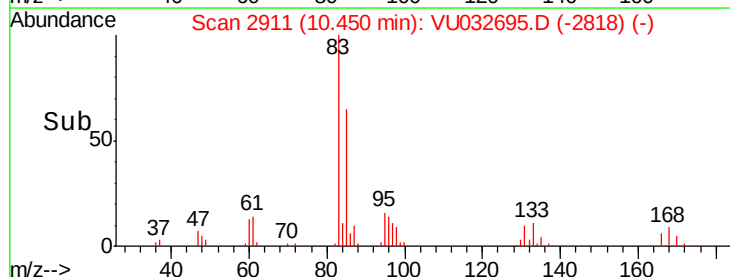
131 9.8 7.9 11.9

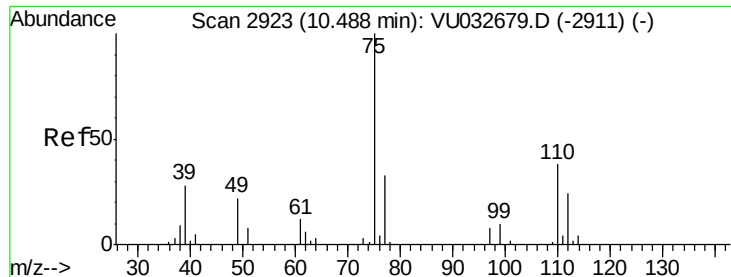


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

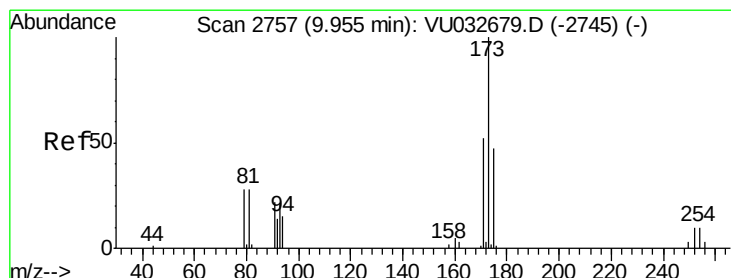
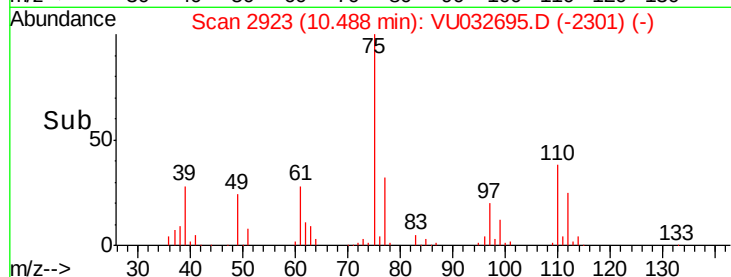
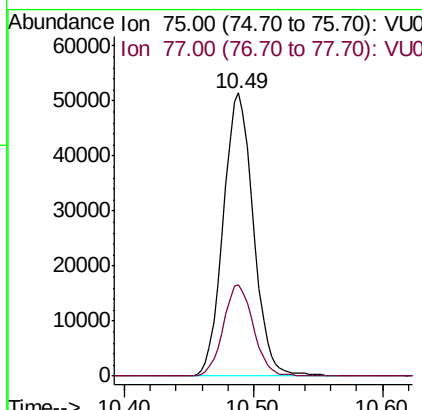
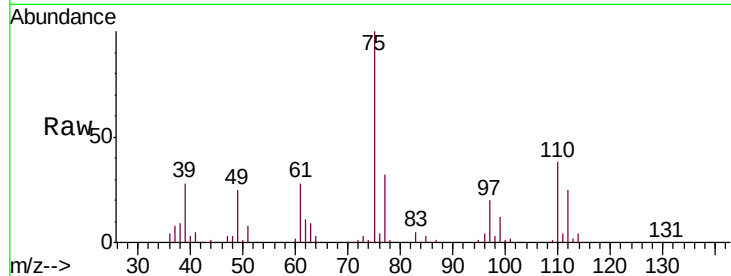




#59
 1,2,3-Trichloropropane
 Concen: 53.828 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU032695.D
 Acq: 13 Jun 2019 15:29

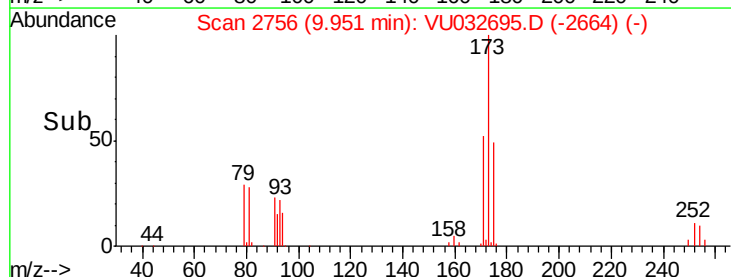
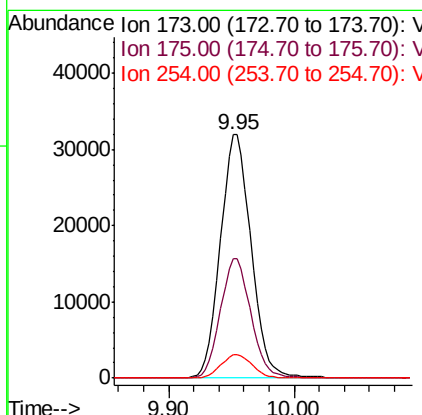
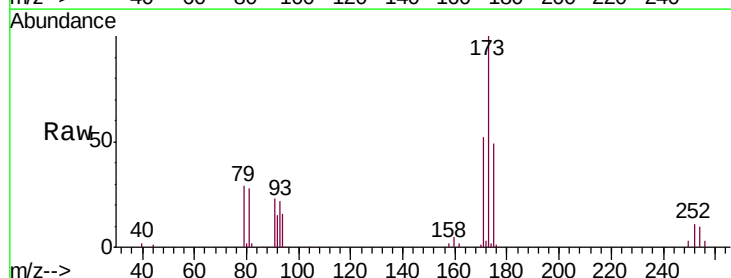
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

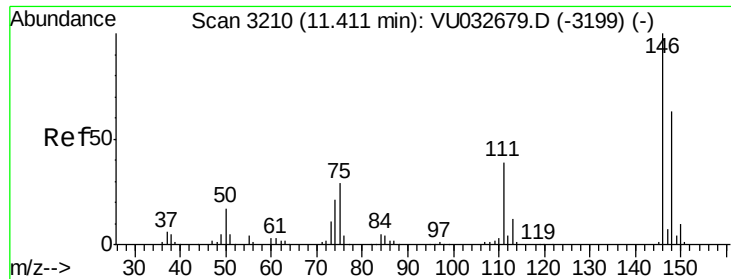
Tgt Ion: 75 Resp: 83436
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.6 38.4



#61
 Bromoform
 Concen: 51.776 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: VU032695.D
 Acq: 13 Jun 2019 15:29

Tgt Ion: 173 Resp: 54338
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.7 59.5
 254 9.8 7.8 11.8





#62

1,3-Dichlorobenzene

Concen: 48.858 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

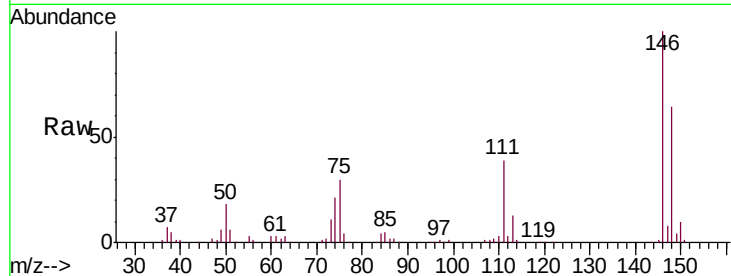
Tgt Ion:146 Resp: 130112

Ion Ratio Lower Upper

146 100

111 39.1 27.3 50.7

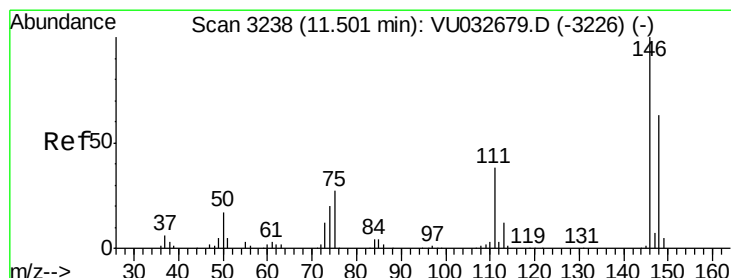
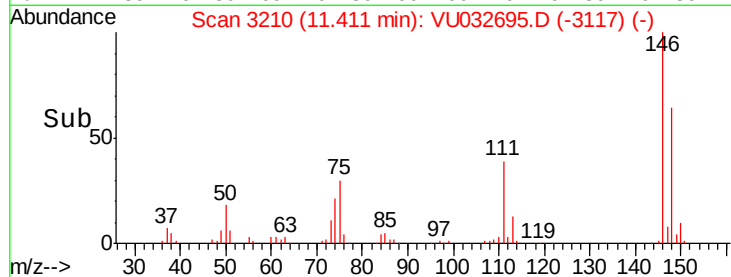
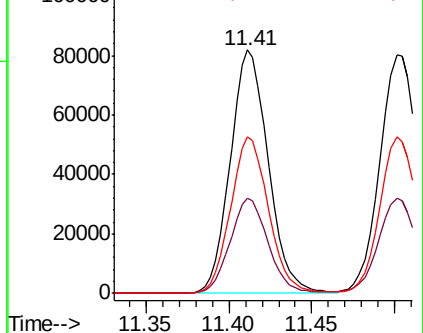
148 64.3 44.4 82.5



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: 48.277 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

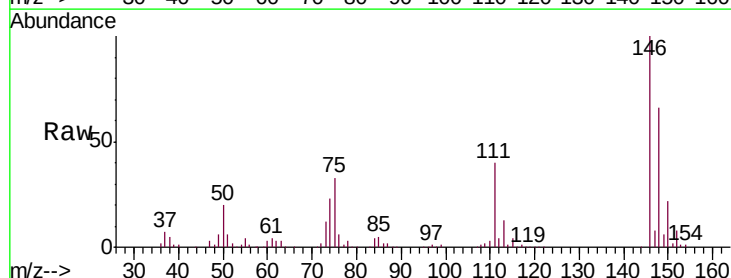
Tgt Ion:146 Resp: 131441

Ion Ratio Lower Upper

146 100

111 39.9 26.6 49.4

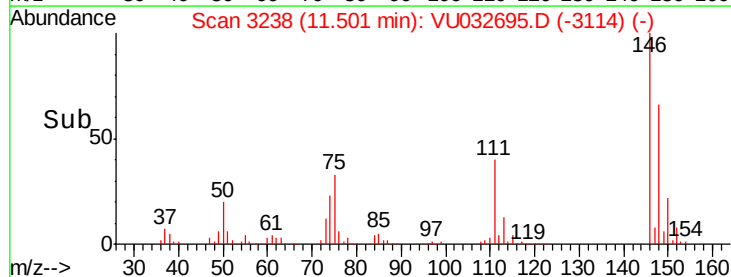
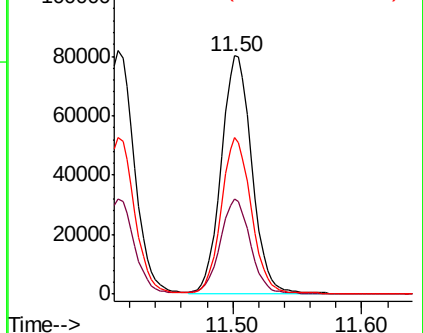
148 65.6 44.9 83.5

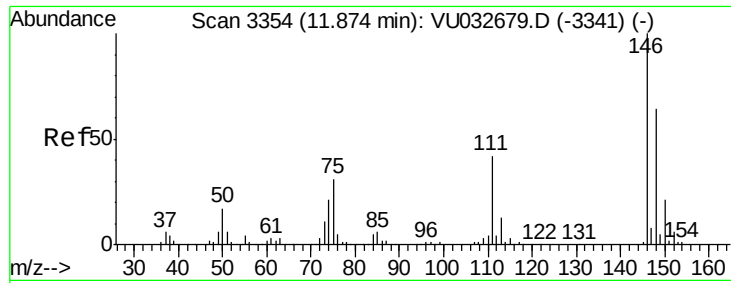


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

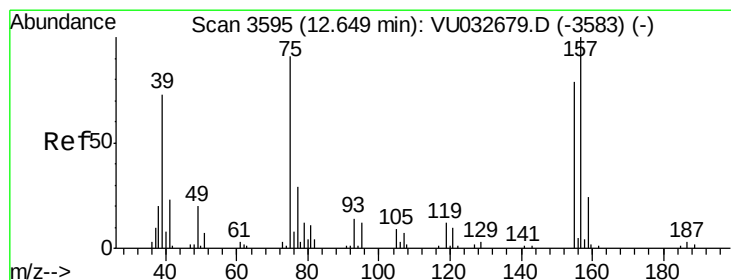
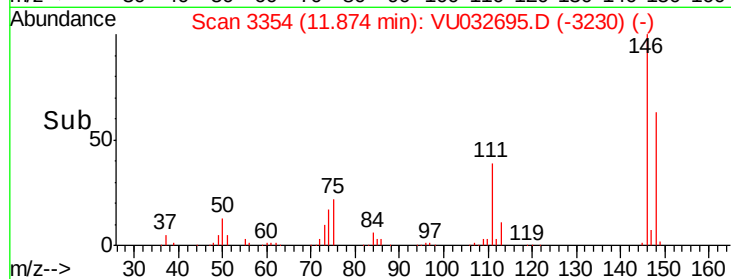
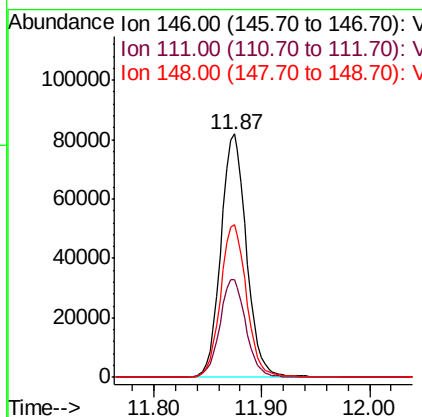
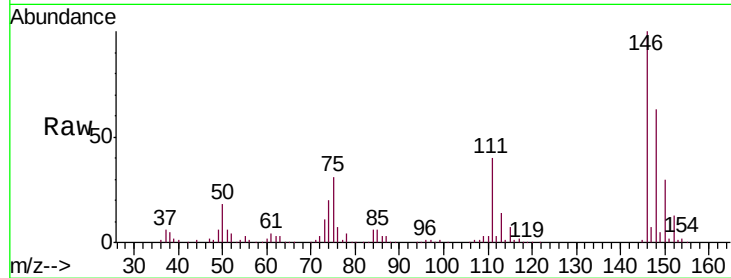




#65
 1,2-Dichlorobenzene
 Concen: 50.142 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU032695.D
 Acq: 13 Jun 2019 15:29

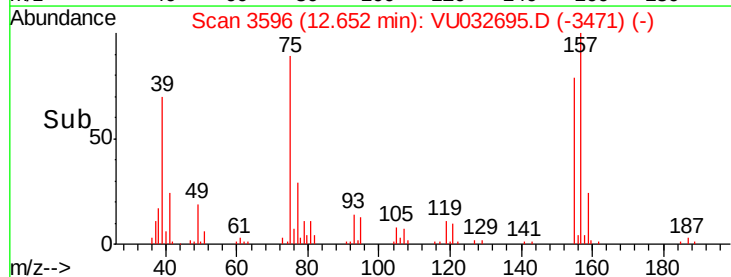
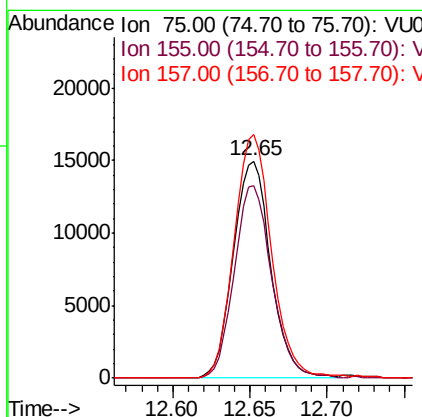
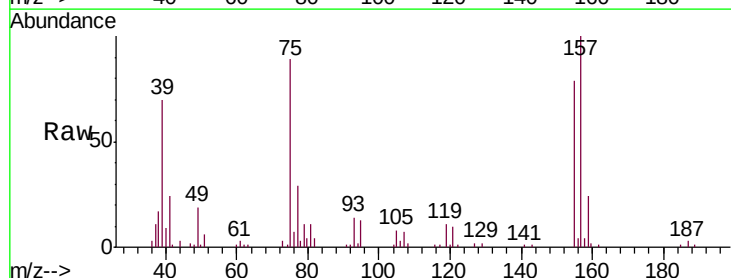
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

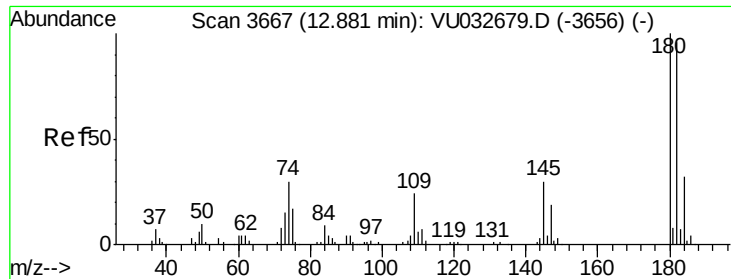
Tgt Ion: 146 Resp: 135003
 Ion Ratio Lower Upper
 146 100
 111 40.3 32.6 48.8
 148 62.8 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 55.553 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU032695.D
 Acq: 13 Jun 2019 15:29

Tgt Ion: 75 Resp: 25165
 Ion Ratio Lower Upper
 75 100
 155 88.5 73.1 109.7
 157 112.3 91.4 137.2

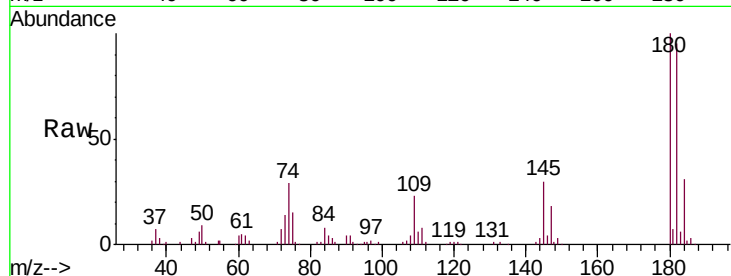




#67
 1,3,5-Trichlorobenzene
 Concen: 50.602 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032695.D
 Acq: 13 Jun 2019 15:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	78.2	117.4
184	31.1	24.2	36.2
145	29.0	23.9	35.9



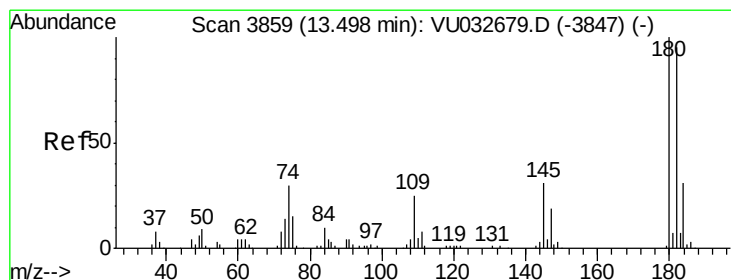
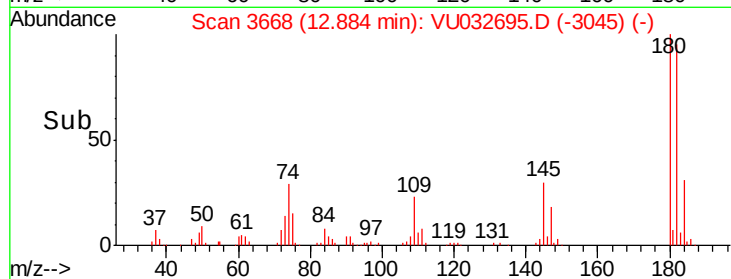
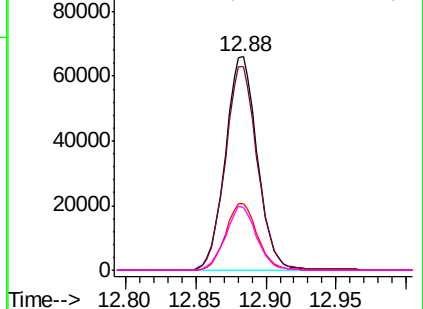
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

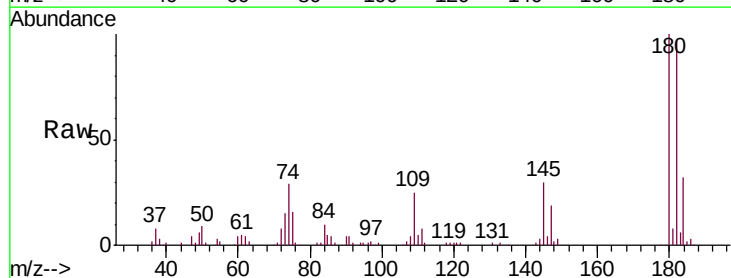
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.236 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU032695.D
 Acq: 13 Jun 2019 15:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.5	114.7
145	29.6	23.8	35.6

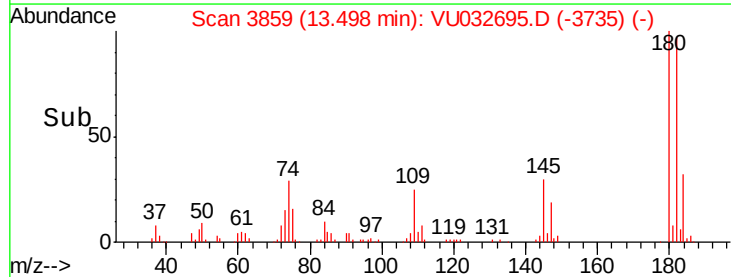
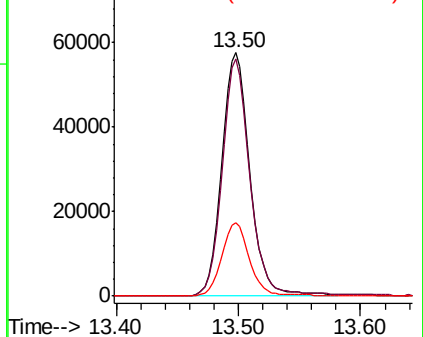


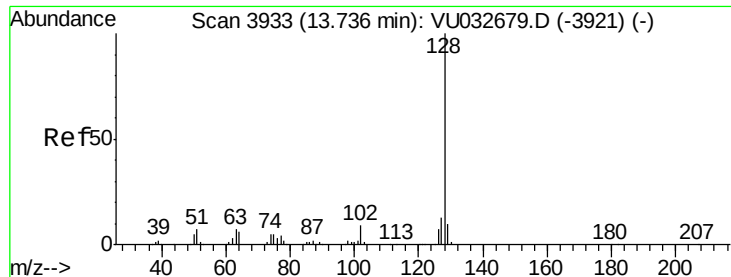
Abundance

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: 51.777 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. -0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

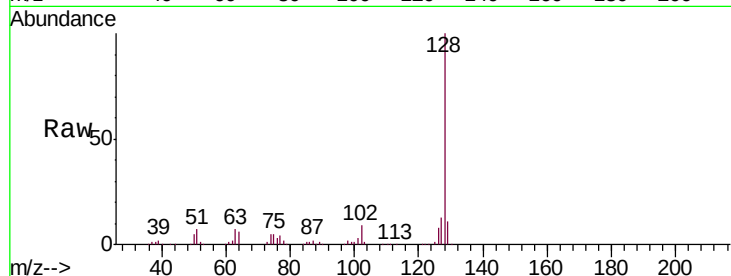
Tgt Ion:128 Resp: 286674

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

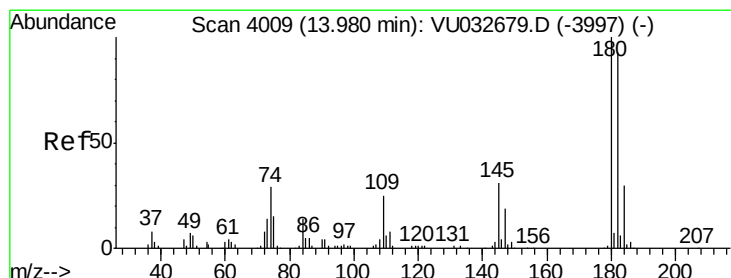
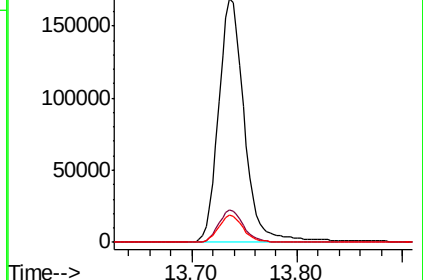
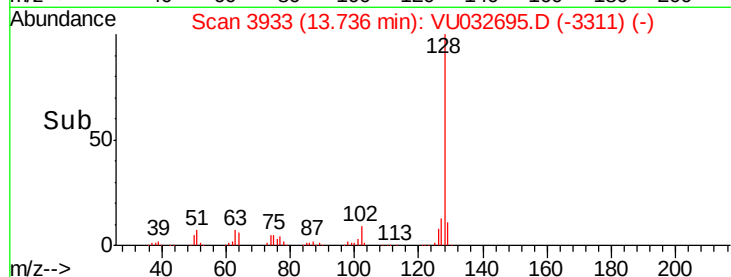
129 10.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.505 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU032695.D

Acq: 13 Jun 2019 15:29

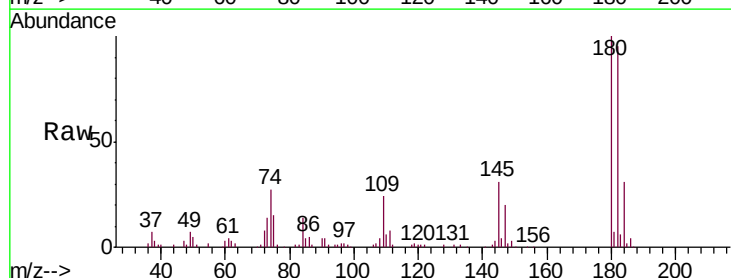
Tgt Ion:180 Resp: 95916

Ion Ratio Lower Upper

180 100

182 98.6 76.7 115.1

145 31.8 25.4 38.2



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

