

Data File : VU034954.D
Acq On : 07 Oct 2019 12:04
Operator : JC/SP
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV04

Quant Time: Oct 09 02:58:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 09 02:54:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	195021	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	192832	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	96509	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	57269	4.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.40%
7) Chloroethane-d5	1.67	69	54096	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.26	63	118510	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.60%
20) 2-Butanone-d5	4.18	46	191175	56.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.62%
24) Chloroform-d	4.62	84	116671	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
26) 1,2-Dichloroethane-d4	5.29	65	64954	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.32	84	227298	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.31	67	75121	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.54	98	221706	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
43) trans-1,3-Dichloropropene-	7.83	79	28955	5.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.60%
46) 2-Hexanone-d5	8.30	63	152798	59.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.12%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	67100	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	11.84	152	84483	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	99460	5.581	ug/L 100
3) Chloromethane	1.32	50	105016	5.371	ug/L 99
5) Vinyl chloride	1.40	62	114968	5.987	ug/L 99
6) Bromomethane	1.62	94	57339	5.371	ug/L 99
8) Chloroethane	1.69	64	59473	5.164	ug/L 99
9) Trichlorofluoromethane	1.87	101	116355	5.010	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	64026	4.801	ug/L 99
12) 1,1-Dichloroethene	2.27	96	63424	5.063	ug/L 94
13) Acetone	2.32	43	155533	55.938	ug/L 99
14) Carbon disulfide	2.46	76	212956	5.108	ug/L 100
15) Methyl Acetate	2.61	43	37451	5.060	ug/L 100
16) Methylene chloride	2.68	84	75114	4.844	ug/L 97
17) Methyl tert-butyl Ether	2.98	73	177817	5.203	ug/L 100
18) trans-1,2-Dichloroethene	2.96	96	66243	4.939	ug/L 96
19) 1,1-Dichloroethane	3.42	63	131031	4.915	ug/L 94
21) 2-Butanone	4.26	43	240523	60.744	ug/L 99
22) cis-1,2-Dichloroethene	4.20	96	74599	4.986	ug/L 97

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	33640	5.365	ug/L	90
25) Chloroform	4.65	83	133996	4.473	ug/L	99
27) 1,2-Dichloroethane	5.38	62	87308	4.991	ug/L	99
29) 1,1,1-Trichloroethane	4.89	97	109723	5.066	ug/L	99
30) Cyclohexane	4.96	56	119672	5.026	ug/L	99
31) Carbon tetrachloride	5.11	117	96070	5.116	ug/L	100
33) Benzene	5.36	78	290271	4.997	ug/L	100
34) Trichloroethene	6.16	95	76357	5.097	ug/L	94
35) Methylcyclohexane	6.39	83	121047	4.989	ug/L	98
37) 1,2-Dichloropropane	6.41	63	79003	5.042	ug/L	100
38) Bromodichloromethane	6.74	83	92669	5.045	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	109514	5.159	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	584682	59.290	ug/L	99
42) Toluene	7.61	91	315264	5.200	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	89534	5.446	ug/L	98
45) 1,1,2-Trichloroethane	8.04	97	56045	5.387	ug/L	97
47) Tetrachloroethene	8.20	164	61466	5.069	ug/L	96
48) 2-Hexanone	8.35	43	407044	60.202	ug/L	99
49) Dibromochloromethane	8.46	129	65441	5.442	ug/L	98
50) 1,2-Dibromoethane	8.57	107	53255	5.356	ug/L #	98
51) Chlorobenzene	9.10	112	198176	5.044	ug/L	99
52) Ethylbenzene	9.23	91	345179	5.155	ug/L	99
53) m,p-Xylene	9.35	106	128838	5.208	ug/L	98
54) o-Xylene	9.76	106	126131	5.214	ug/L	99
55) Styrene	9.77	104	212173	5.416	ug/L	99
56) Isopropylbenzene	10.14	105	339996	5.275	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.43	83	77059	5.447	ug/L	97
59) 1,2,3-Trichloropropane	10.47	75	54081	5.332	ug/L	99
61) Bromoform	9.94	173	36622	5.533	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	157379	5.294	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	158537	5.284	ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	152706	5.323	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.63	75	10935	5.998	ug/L	93
67) 1,3,5-Trichlorobenzene	12.87	180	123859	6.152	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	90359	6.010	ug/L	98
69) Naphthalene	13.73	128	130362	5.576	ug/L	98
70) 1,2,3-Trichlorobenzene	13.97	180	91468	6.256	ug/L	99

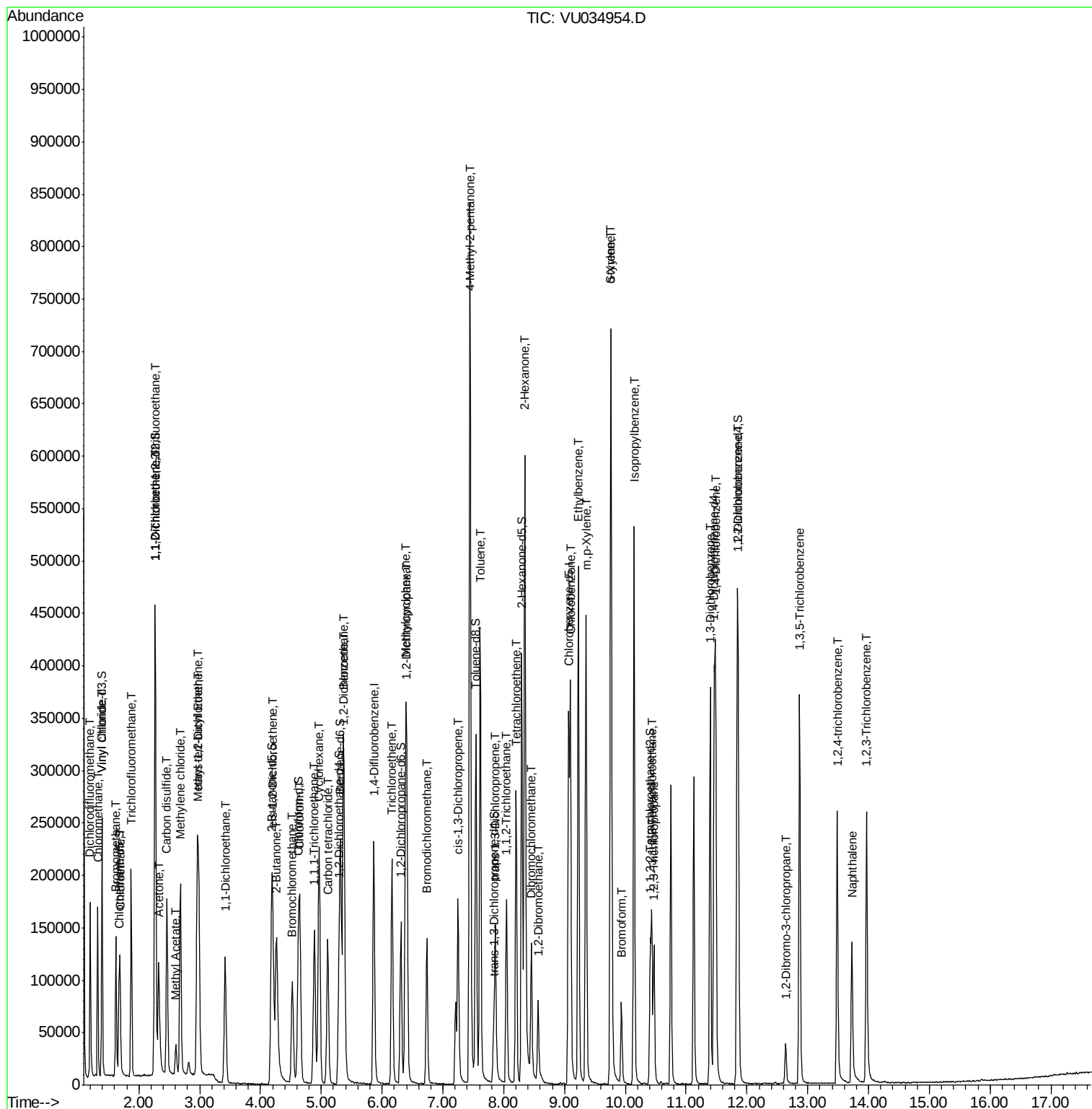
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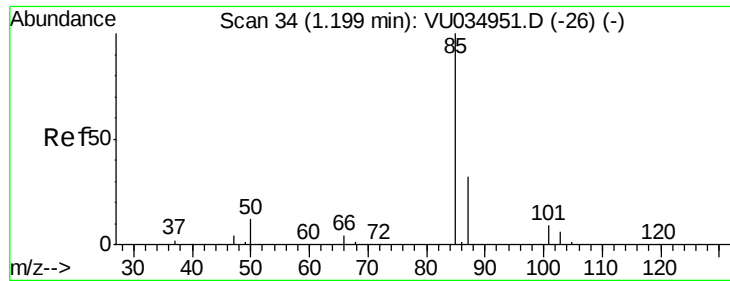
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#2

Dichlorodifluoromethane

Concen: 5.581 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

Instrument :

MSVOA_U

ClientSampleId :

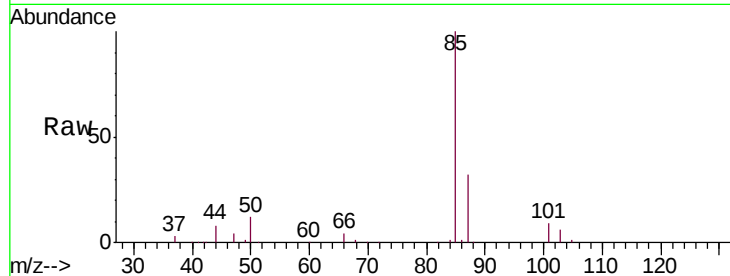
VICV04

Tgt Ion: 85 Resp: 99460

Ion Ratio Lower Upper

85 100

87 32.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU034954.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU034954.D (-26) (-)

1.20

100000

80000

60000

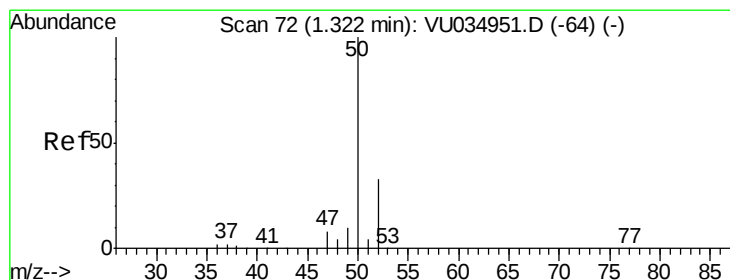
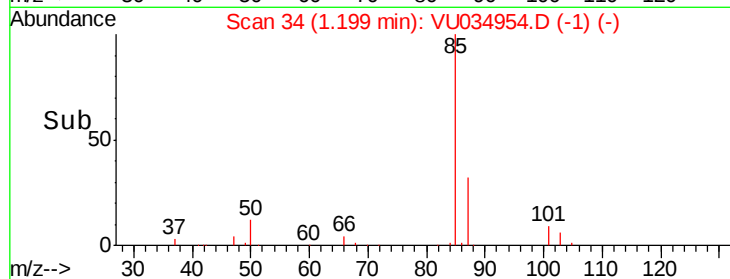
40000

20000

0

1.15 1.20 1.25 1.30

Time-->



#3

Chloromethane

Concen: 5.371 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034954.D

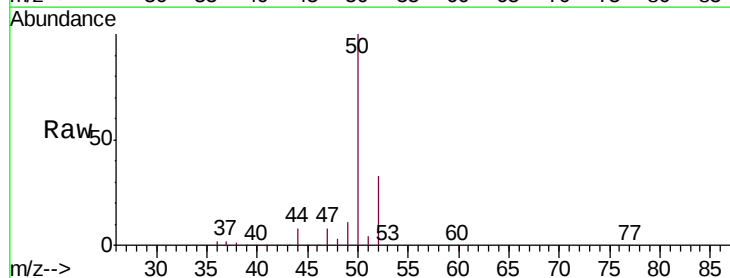
Acq: 07 Oct 2019 12:04

Tgt Ion: 50 Resp: 105016

Ion Ratio Lower Upper

50 100

52 33.3 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU034954.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU034954.D (-64) (-)

1.32

100000

80000

60000

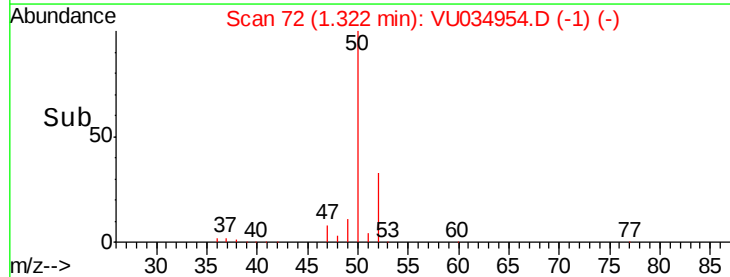
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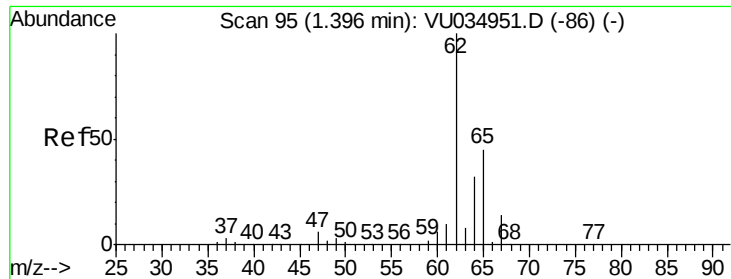
20000

0

1.30 1.35 1.40

Time-->





#5

Vinyl chloride

Concen: 5.987 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

Instrument :

MSVOA_U

ClientSampleId :

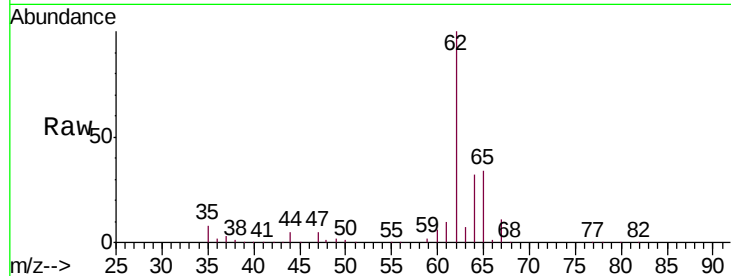
VICV04

Tgt Ion: 62 Resp: 114968

Ion Ratio Lower Upper

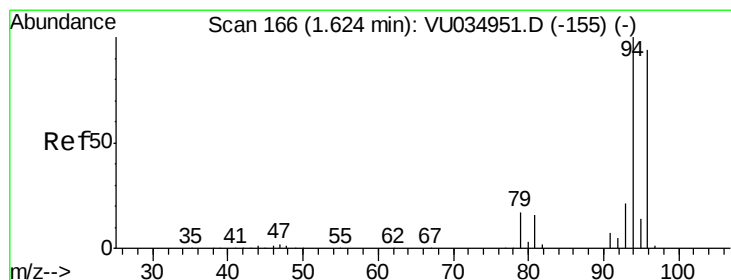
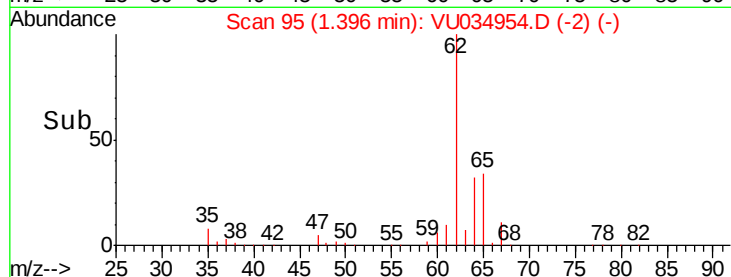
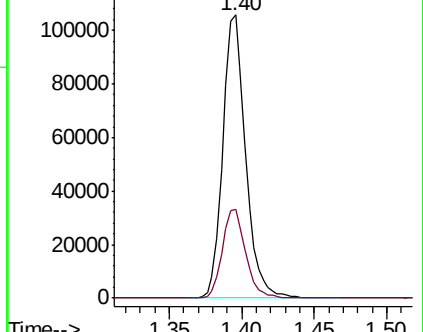
62 100

64 31.5 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.371 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU034954.D

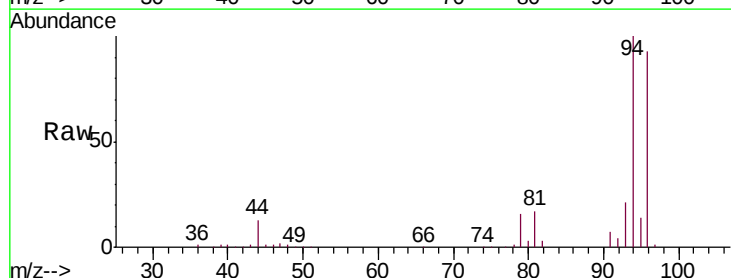
Acq: 07 Oct 2019 12:04

Tgt Ion: 94 Resp: 57339

Ion Ratio Lower Upper

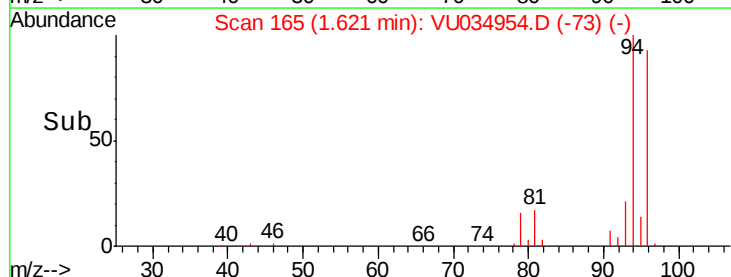
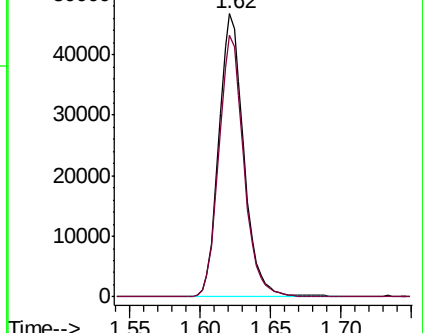
94 100

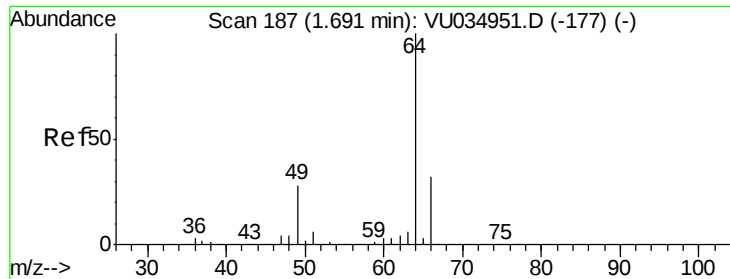
96 92.6 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

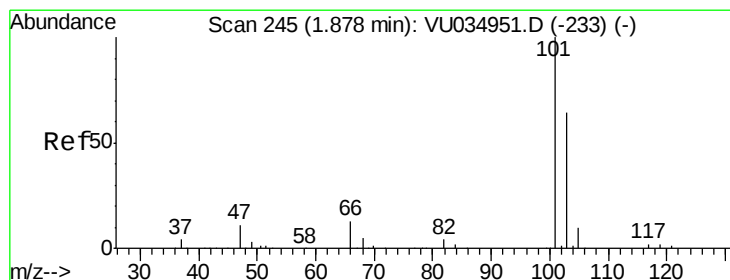
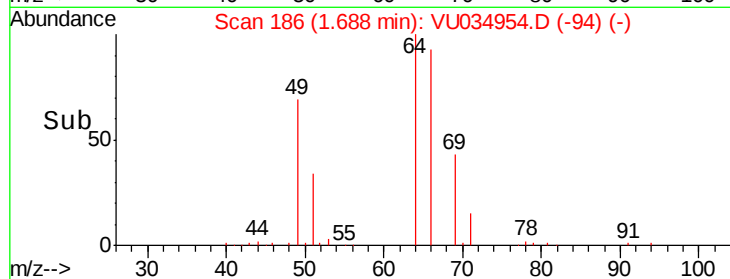
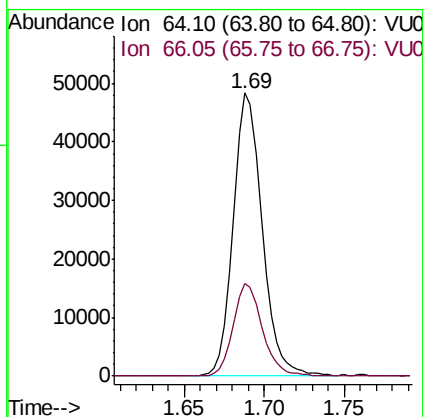
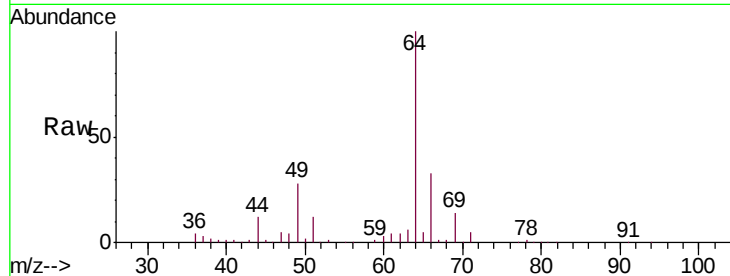




#8
Chloroethane
Concen: 5.164 ug/L
RT: 1.69 min Scan# 186
Delta R.T. -0.00 min
Lab File: VU034954.D
Acq: 07 Oct 2019 12:04

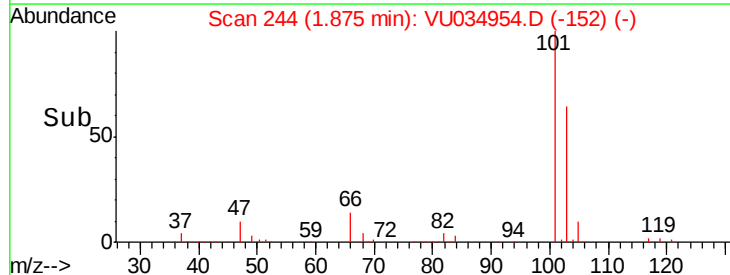
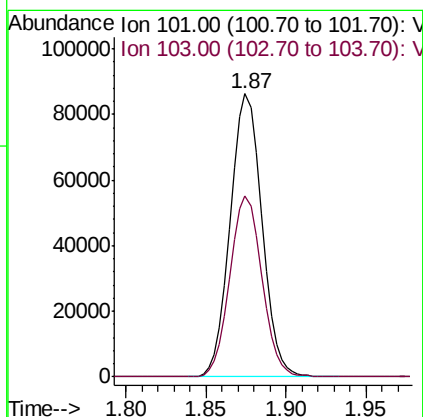
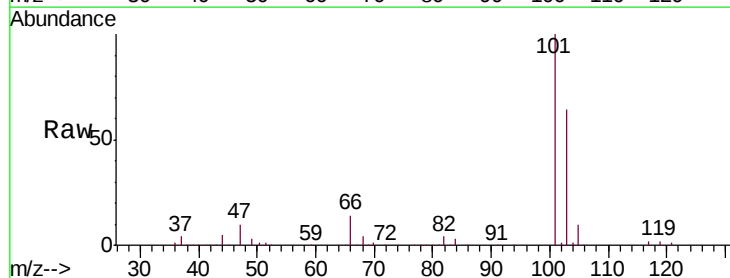
Instrument :
MSVOA_U
ClientSampleId :
VICV04

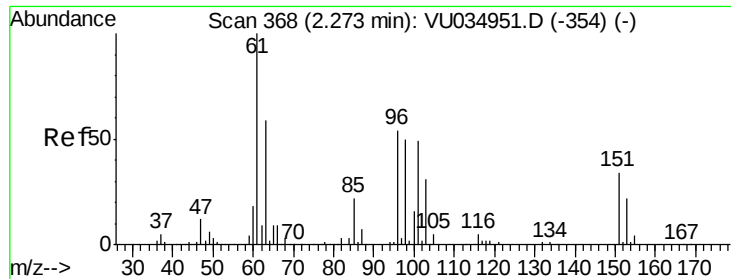
Tgt Ion: 64 Resp: 59473
Ion Ratio Lower Upper
64 100
66 32.7 22.4 41.6



#9
Trichlorofluoromethane
Concen: 5.010 ug/L
RT: 1.87 min Scan# 244
Delta R.T. -0.00 min
Lab File: VU034954.D
Acq: 07 Oct 2019 12:04

Tgt Ion: 101 Resp: 116355
Ion Ratio Lower Upper
101 100
103 64.8 51.2 76.8





#10

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

Concen: 4.801 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

Instrument :

MSVOA_U

ClientSampleId :

VICV04

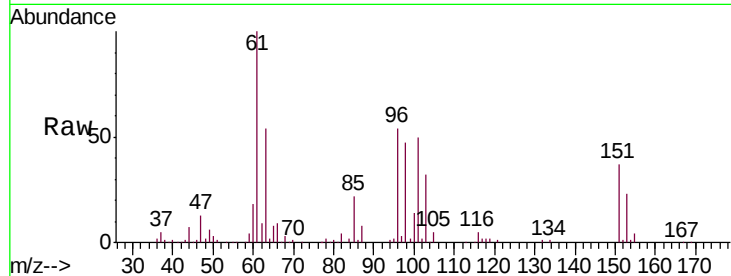
Tgt Ion:101 Resp: 64026

Ion Ratio Lower Upper

101 100

85 45.0 36.7 55.1

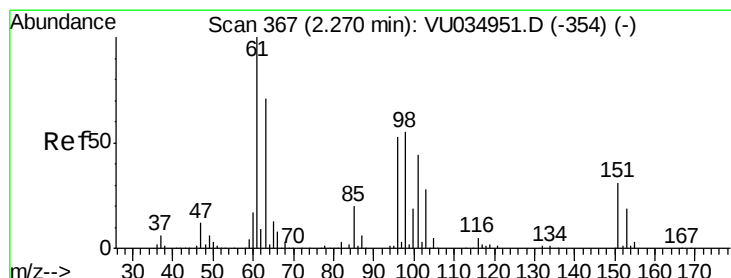
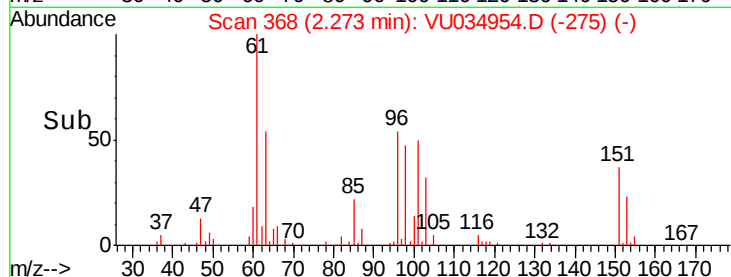
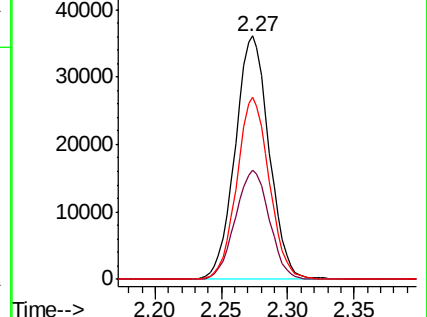
151 71.8 56.9 85.3



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: 5.063 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

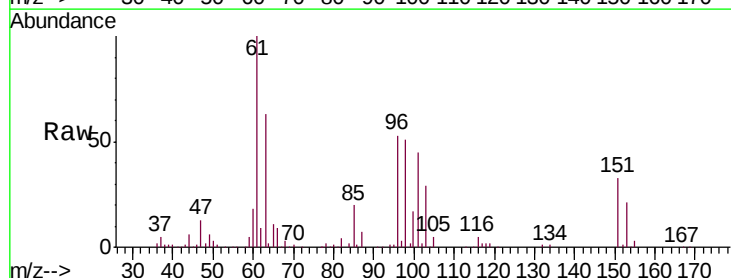
Tgt Ion: 96 Resp: 63424

Ion Ratio Lower Upper

96 100

61 187.9 132.6 246.2

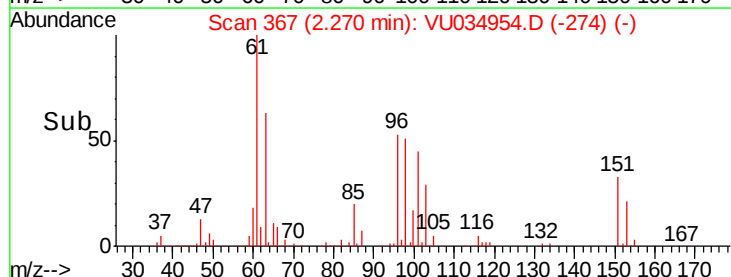
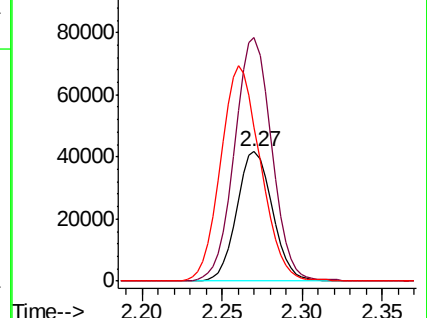
63 118.9 94.3 175.1

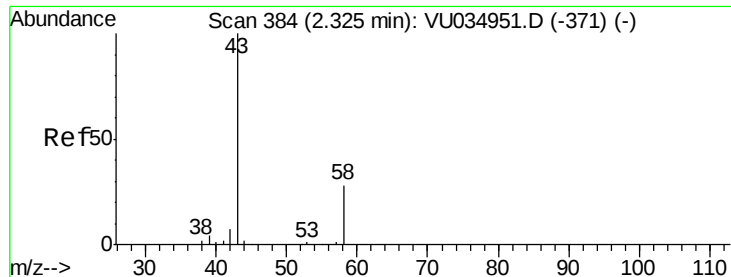


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 55.938 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

Instrument :

MSVOA_U

ClientSampleId :

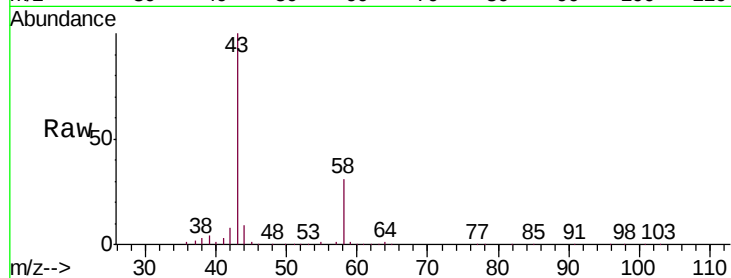
VICV04

Tgt Ion: 43 Resp: 155533

Ion Ratio Lower Upper

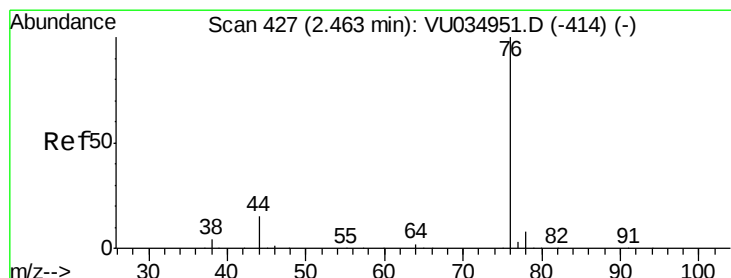
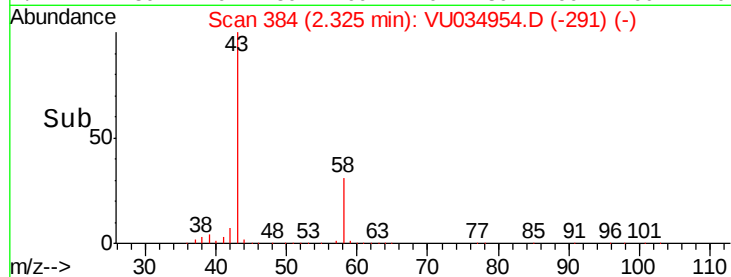
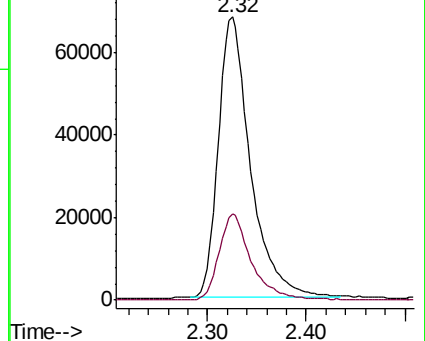
43 100

58 30.1 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU034954.D (-371) (-)

Ion 58.05 (57.75 to 58.75): VU034954.D (-371) (-)



#14

Carbon disulfide

Concen: 5.108 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU034954.D

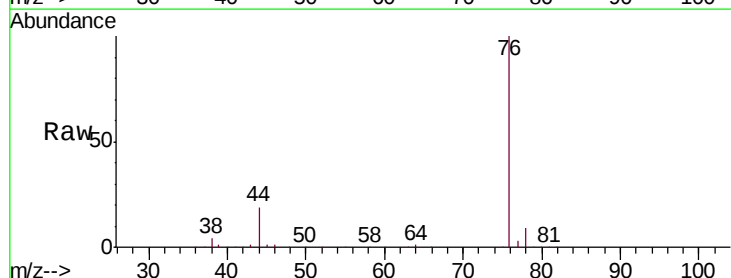
Acq: 07 Oct 2019 12:04

Tgt Ion: 76 Resp: 212956

Ion Ratio Lower Upper

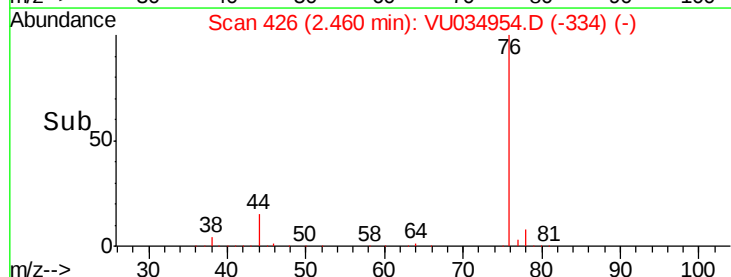
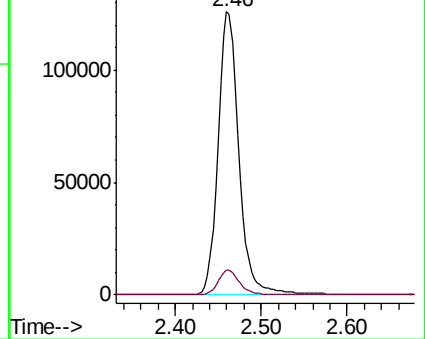
76 100

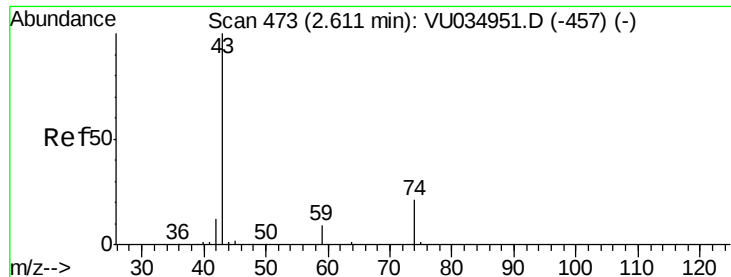
78 8.7 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VU034954.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU034954.D (-414) (-)





#15

Methyl Acetate

Concen: 5.060 ug/L

RT: 2.61 min Scan# 472

Delta R.T. -0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

Instrument :

MSVOA_U

ClientSampled :

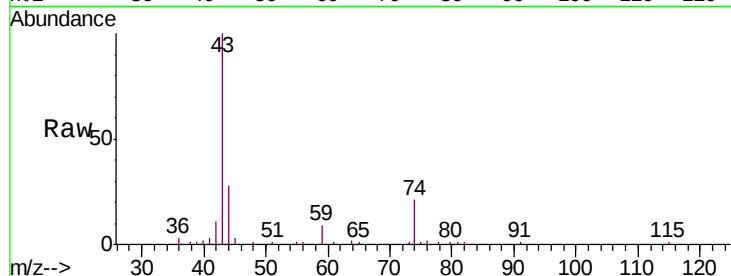
VICV04

Tgt Ion: 43 Resp: 37451

Ion Ratio Lower Upper

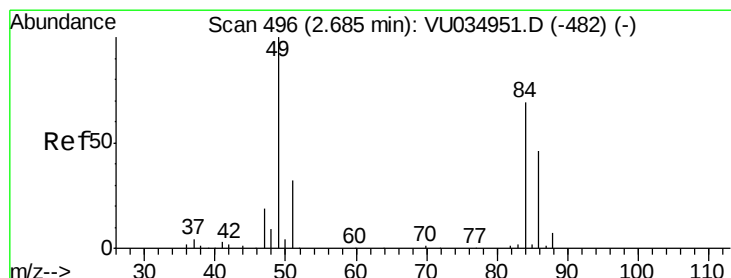
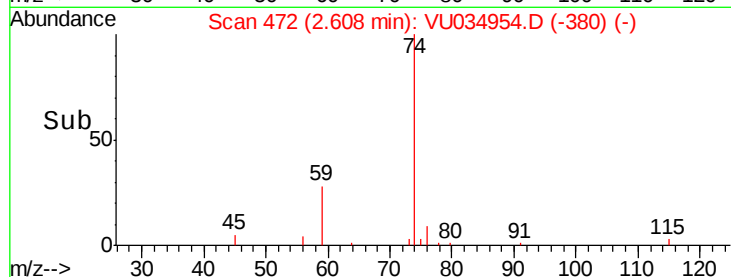
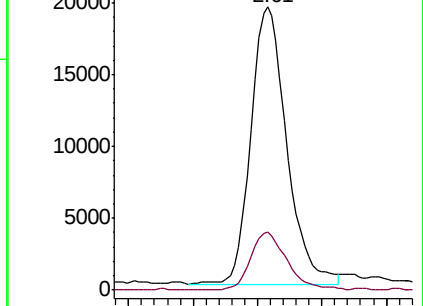
43 100

74 21.3 17.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU034951.D (-457) (-)

Ion 74.05 (73.75 to 74.75): VU034951.D (-457) (-)



#16

Methylene chloride

Concen: 4.844 ug/L

RT: 2.68 min Scan# 495

Delta R.T. -0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

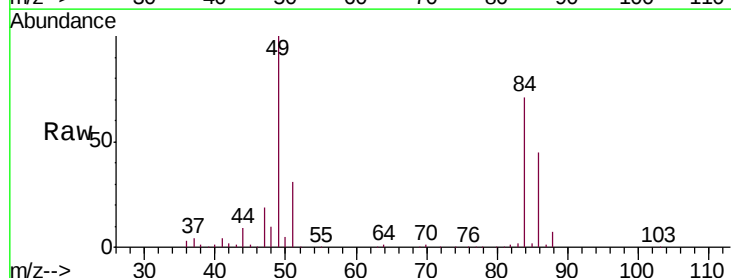
Tgt Ion: 84 Resp: 75114

Ion Ratio Lower Upper

84 100

86 63.3 46.3 86.1

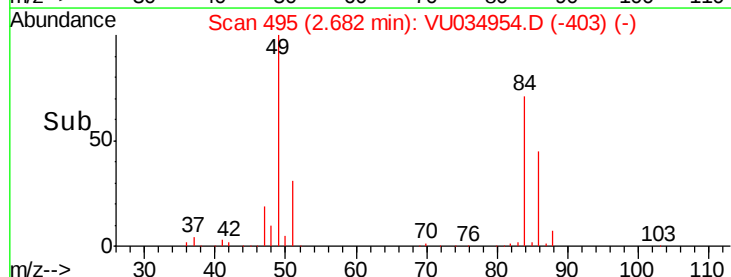
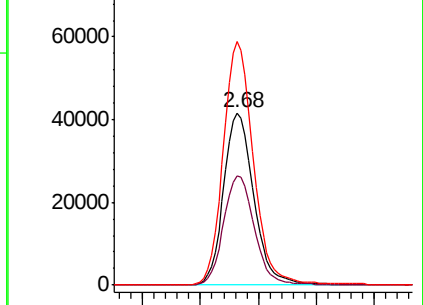
49 141.1 101.4 188.4

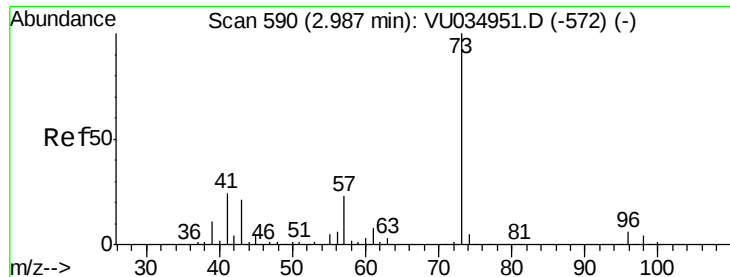


Abundance Ion 84.05 (83.75 to 84.75): VU034951.D (-482) (-)

Ion 86.00 (85.70 to 86.70): VU034951.D (-482) (-)

Ion 49.10 (48.80 to 49.80): VU034951.D (-482) (-)





#17

Methyl tert-butyl Ether

Concen: 5.203 ug/L

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

Instrument :

MSVOA_U

ClientSampled :

VICV04

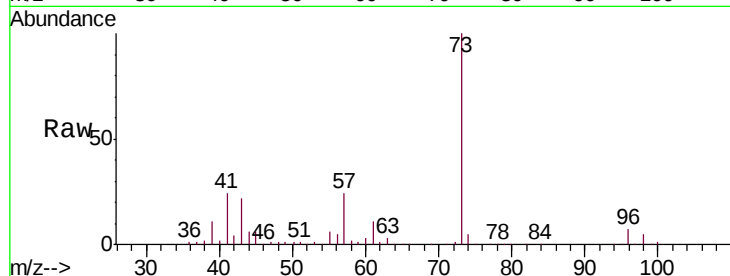
Tgt Ion: 73 Resp: 177817

Ion Ratio Lower Upper

73 100

43 21.9 17.4 26.0

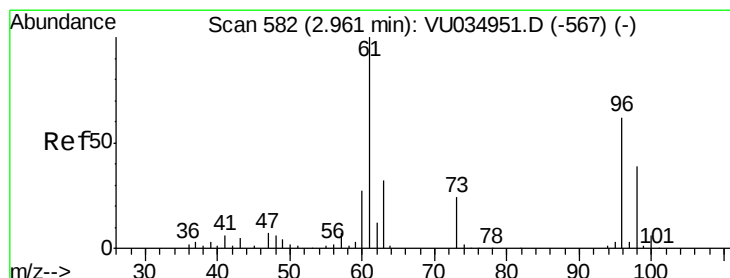
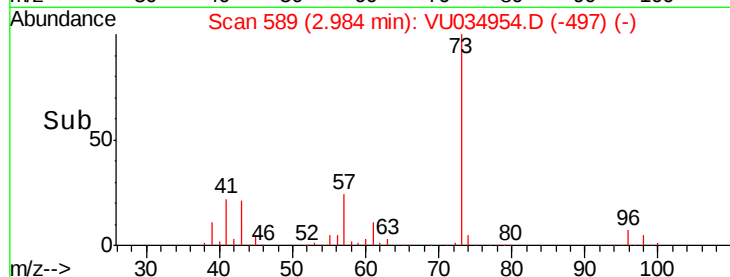
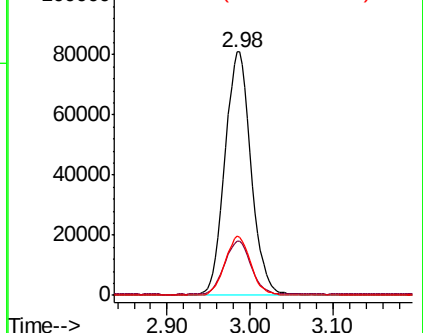
57 23.9 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VU034954.D (-572) (-)

Ion 43.05 (42.75 to 43.75): VU034954.D (-572) (-)

Ion 57.10 (56.80 to 57.80): VU034954.D (-572) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.939 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

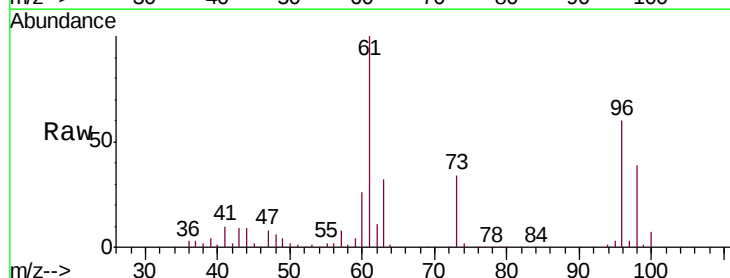
Tgt Ion: 96 Resp: 66243

Ion Ratio Lower Upper

96 100

61 165.5 112.3 208.7

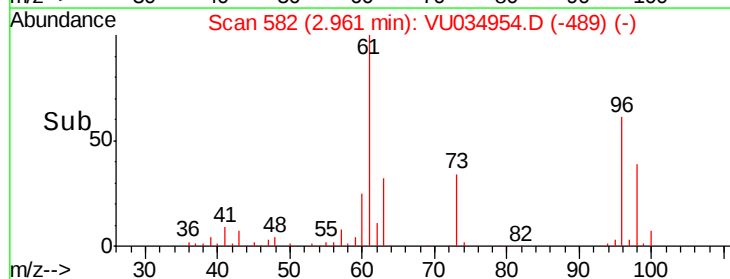
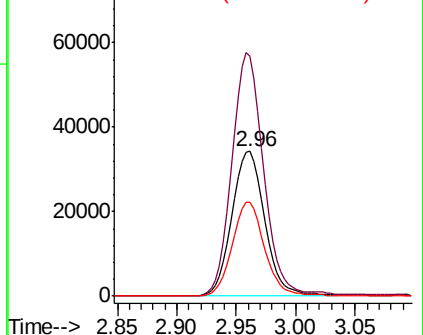
98 65.0 43.5 80.9

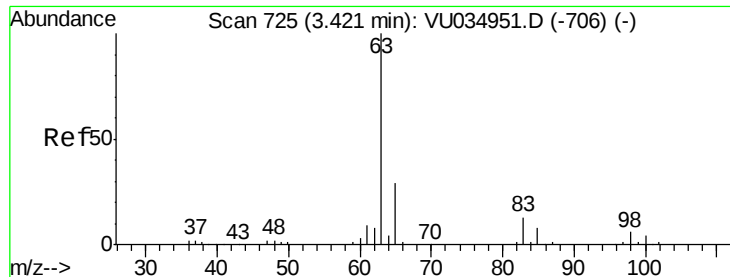


Abundance Ion 96.00 (95.70 to 96.70): VU034954.D (-567) (-)

Ion 61.05 (60.75 to 61.75): VU034954.D (-567) (-)

Ion 97.95 (97.65 to 98.65): VU034954.D (-567) (-)

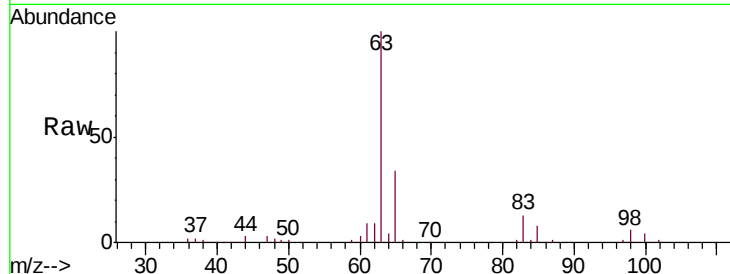




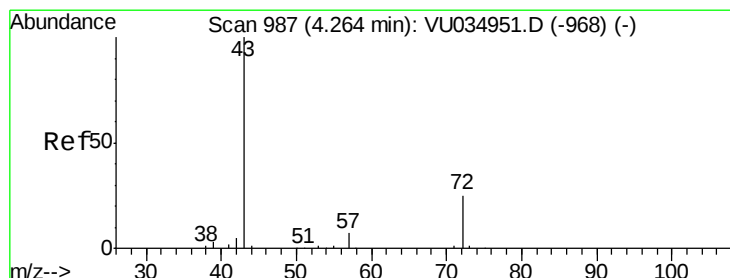
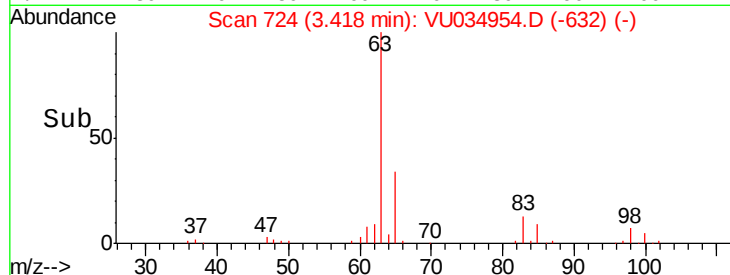
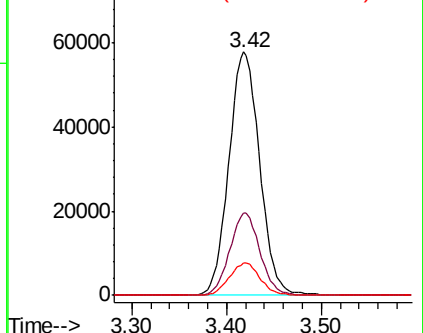
#19
 1,1-Dichloroethane
 Concen: 4.915 ug/L
 RT: 3.42 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VU034954.D
 Acq: 07 Oct 2019 12:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

Tgt Ion: 63 Resp: 131031
 Ion Ratio Lower Upper
 63 100
 65 33.9 20.4 38.0
 83 13.1 9.3 17.3

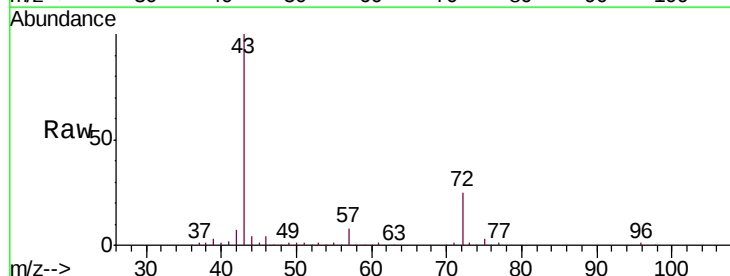


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

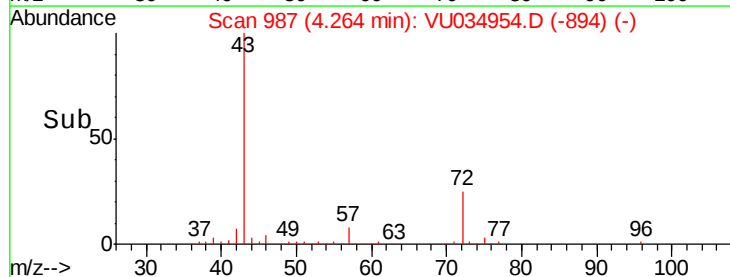
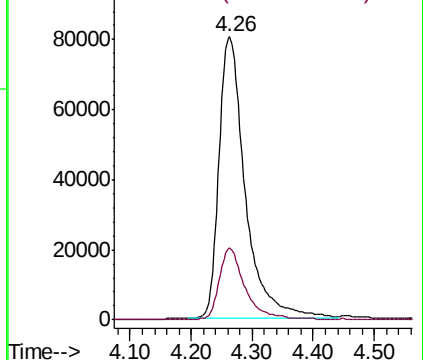


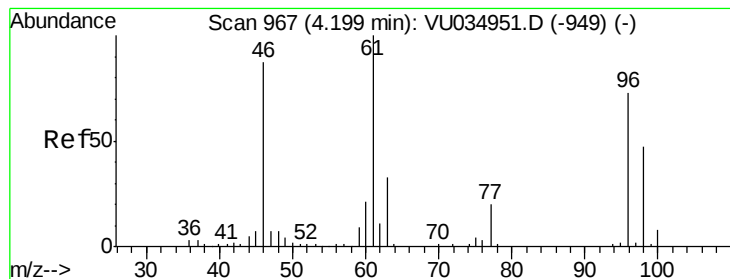
#21
 2-Butanone
 Concen: 60.744 ug/L
 RT: 4.26 min Scan# 987
 Delta R.T. 0.00 min
 Lab File: VU034954.D
 Acq: 07 Oct 2019 12:04

Tgt Ion: 43 Resp: 240523
 Ion Ratio Lower Upper
 43 100
 72 24.3 12.0 36.0



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



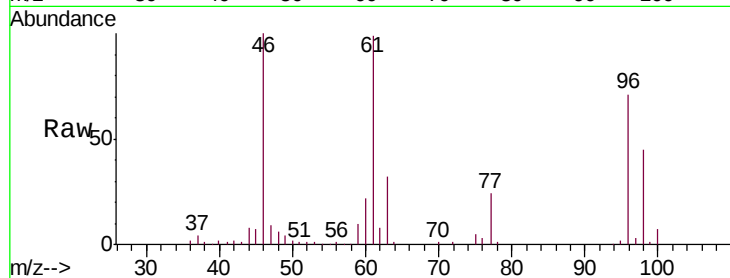


#22

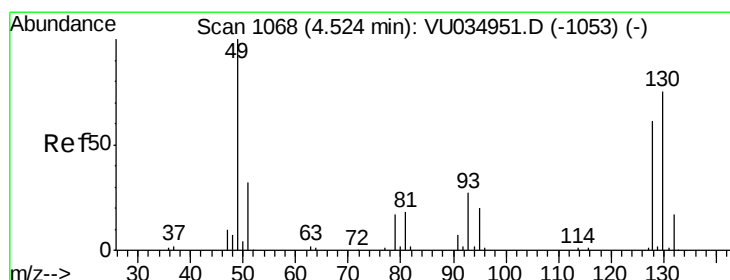
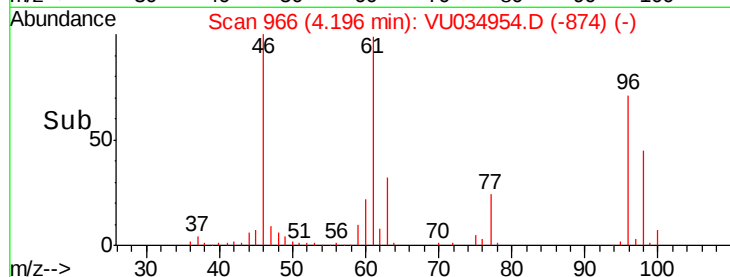
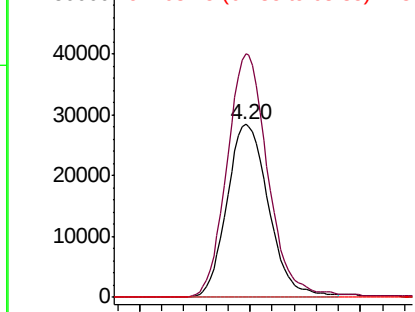
cis-1,2-Dichloroethene
Concen: 4.986 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU034954.D
Acq: 07 Oct 2019 12:04

Instrument :
MSVOA_U
ClientSampleId :
VICV04

Tgt Ion: 96 Resp: 74599
Ion Ratio Lower Upper
96 100
61 140.8 96.4 179.0
68 0.0 0.0 0.0



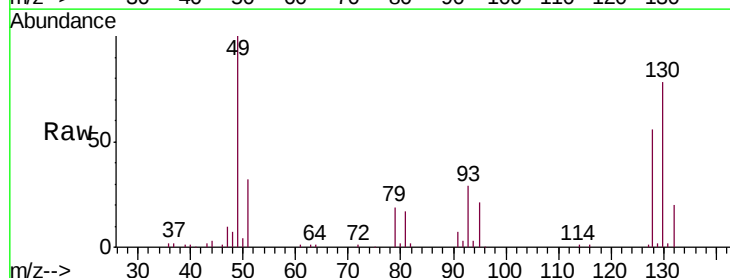
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



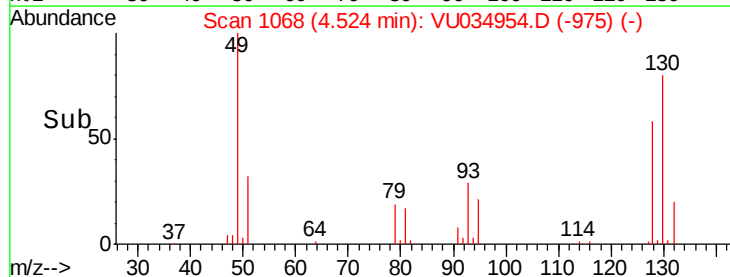
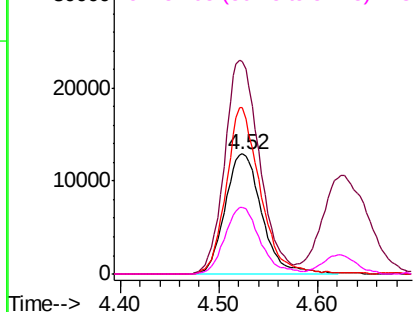
#23

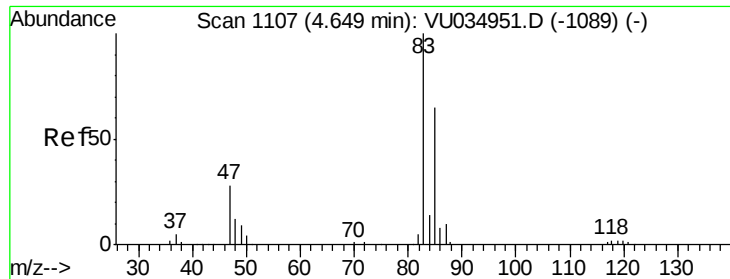
Bromochloromethane
Concen: 5.365 ug/L
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034954.D
Acq: 07 Oct 2019 12:04

Tgt Ion: 128 Resp: 33640
Ion Ratio Lower Upper
128 100
49 177.2 116.0 215.4
130 138.3 86.4 160.4
51 55.9 41.6 62.4



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

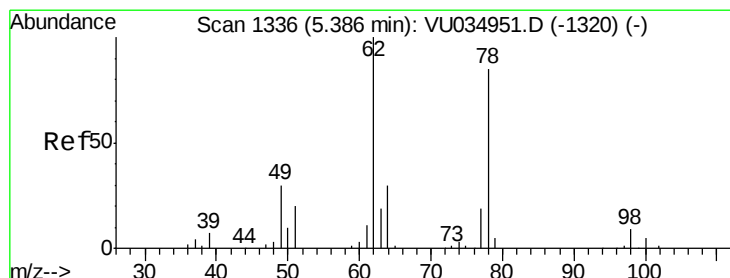
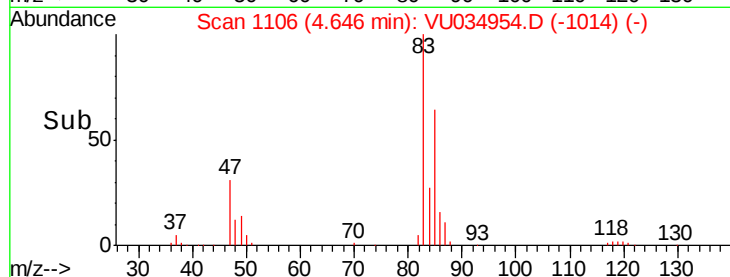
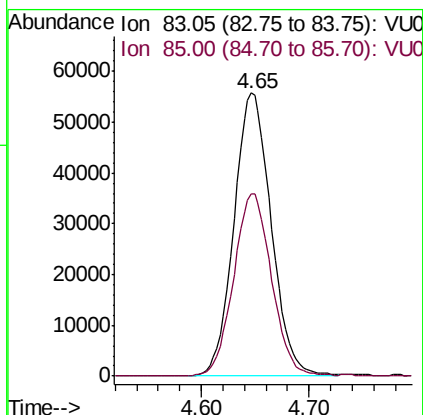
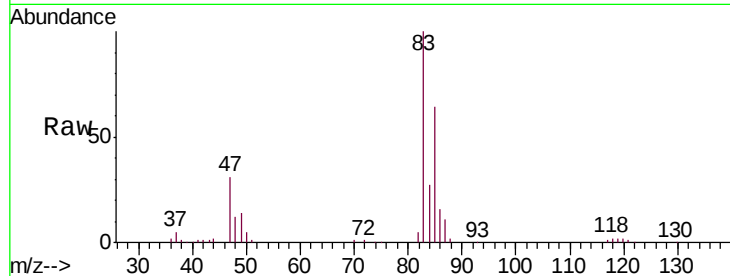




#25
Chloroform
Concen: 4.473 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU034954.D
Acq: 07 Oct 2019 12:04

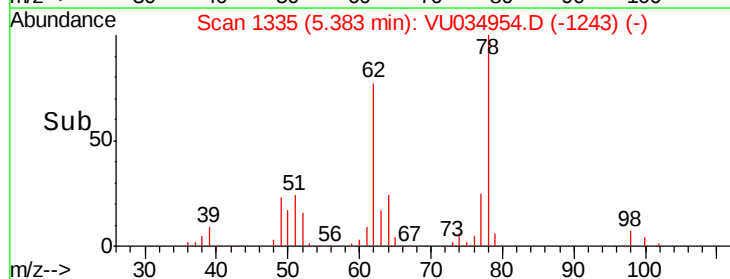
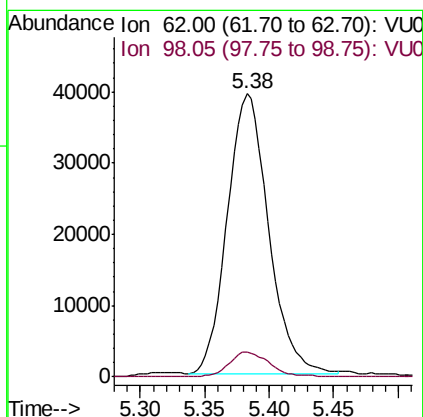
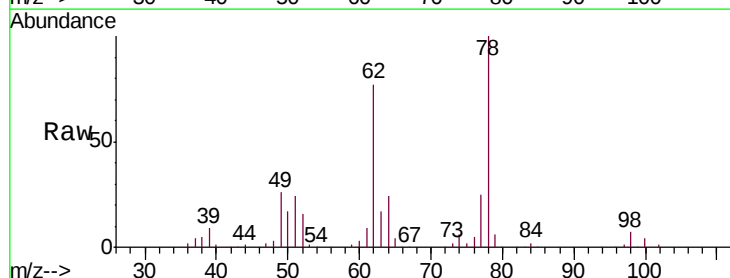
Instrument :
MSVOA_U
ClientSampleId :
VICV04

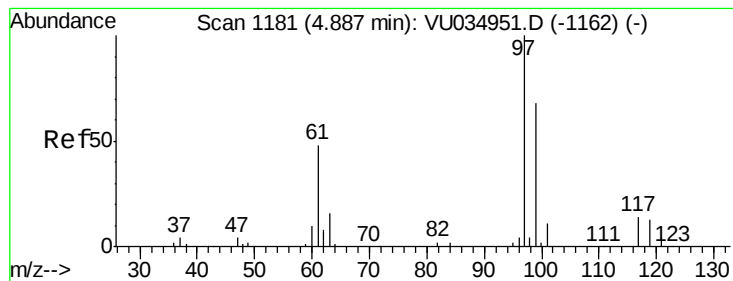
Tgt Ion: 83 Resp: 133996
Ion Ratio Lower Upper
83 100
85 64.3 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.991 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU034954.D
Acq: 07 Oct 2019 12:04

Tgt Ion: 62 Resp: 87308
Ion Ratio Lower Upper
62 100
98 8.8 6.8 10.2





#29

1,1,1-Trichloroethane

Concen: 5.066 ug/L

RT: 4.89 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

Instrument :

MSVOA_U

ClientSampleId :

VICV04

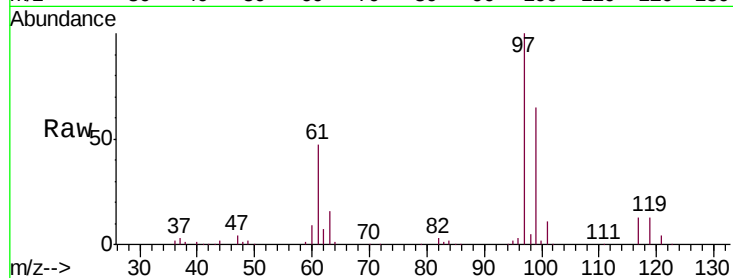
Tgt Ion: 97 Resp: 109723

Ion Ratio Lower Upper

97 100

99 64.4 52.3 78.5

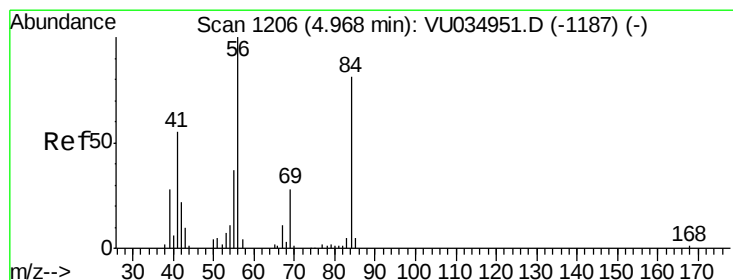
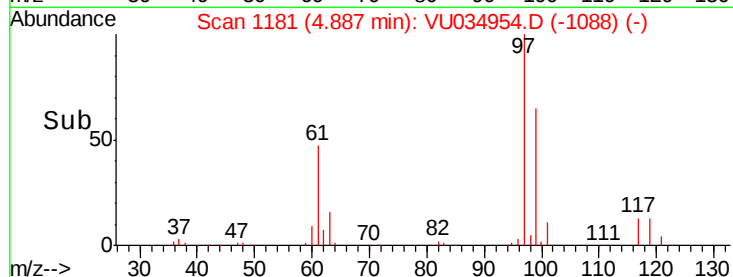
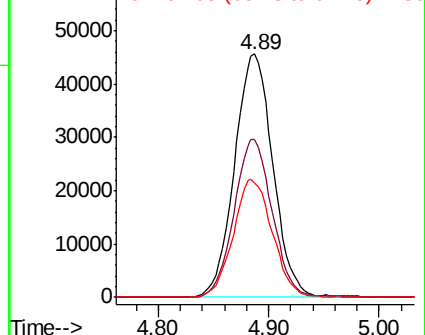
61 49.4 39.0 58.4



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 5.026 ug/L

RT: 4.96 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

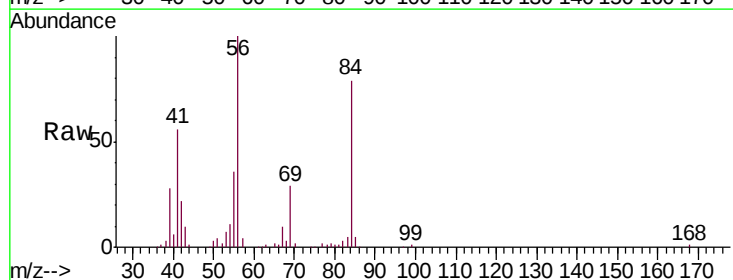
Tgt Ion: 56 Resp: 119672

Ion Ratio Lower Upper

56 100

69 29.7 23.4 35.0

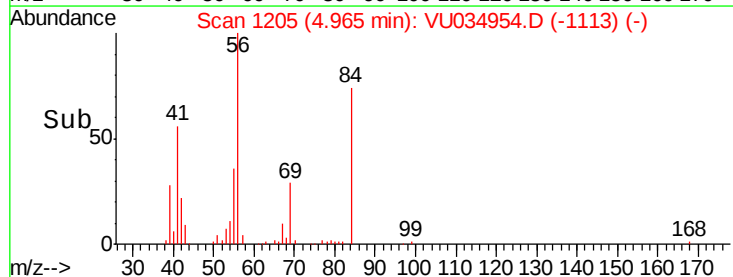
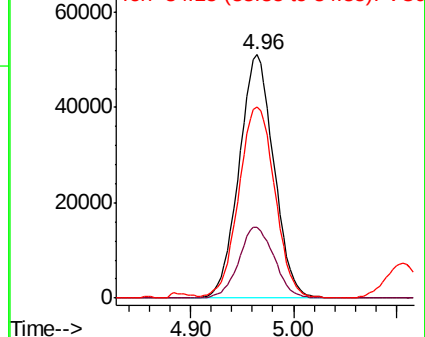
84 81.3 66.2 99.2

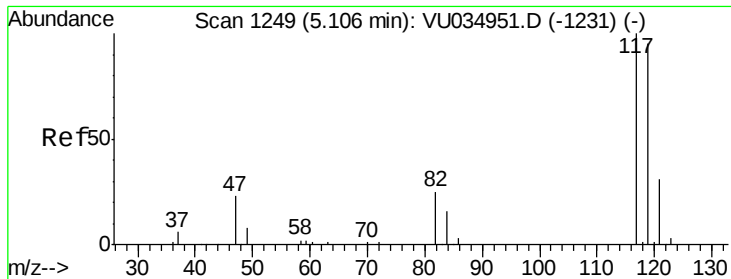


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.116 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

Instrument :

MSVOA_U

ClientSampleId :

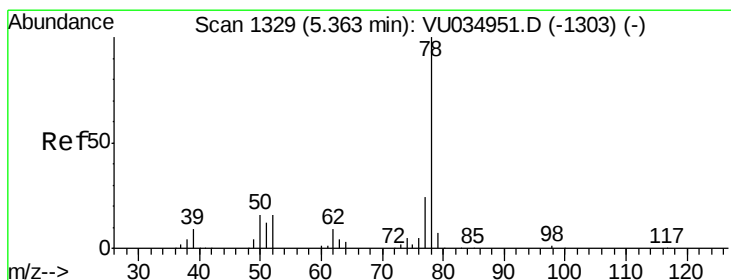
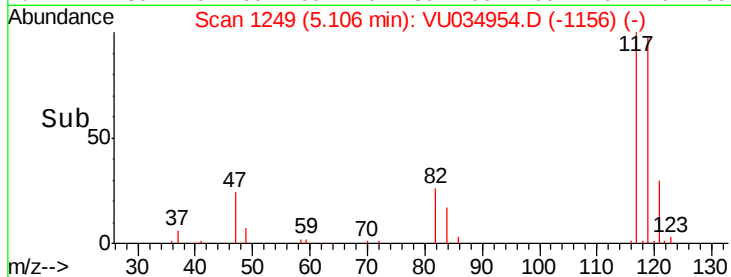
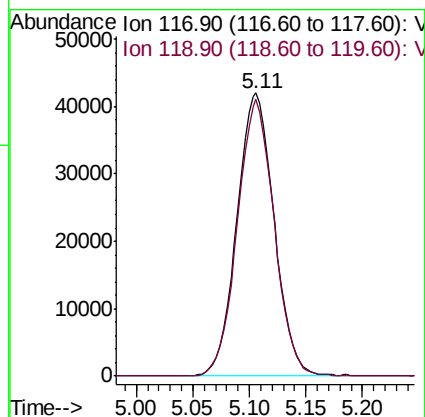
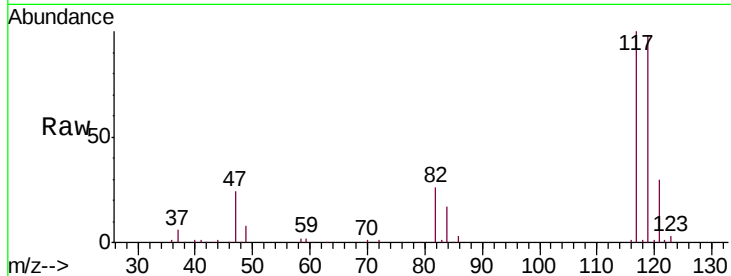
VICV04

Tgt Ion:117 Resp: 96070

Ion Ratio Lower Upper

117 100

119 96.6 77.0 115.6



#33

Benzene

Concen: 4.997 ug/L

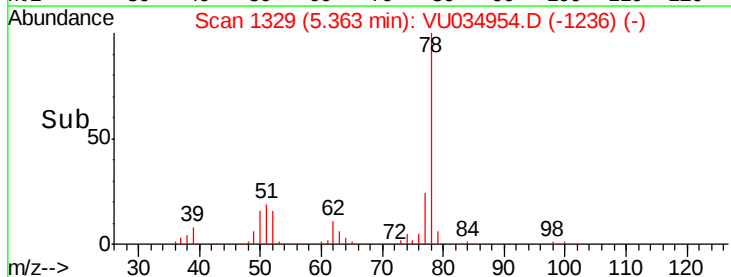
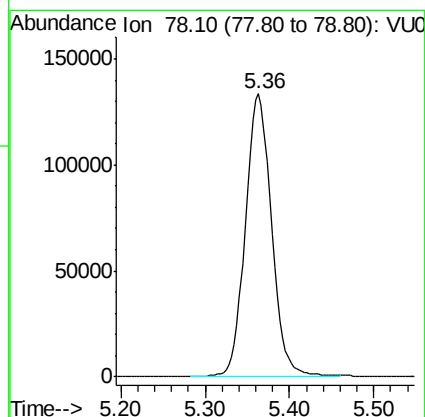
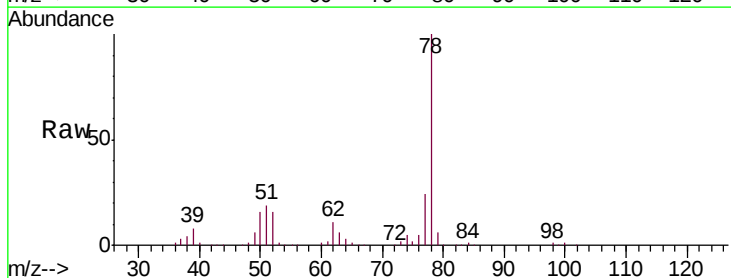
RT: 5.36 min Scan# 1329

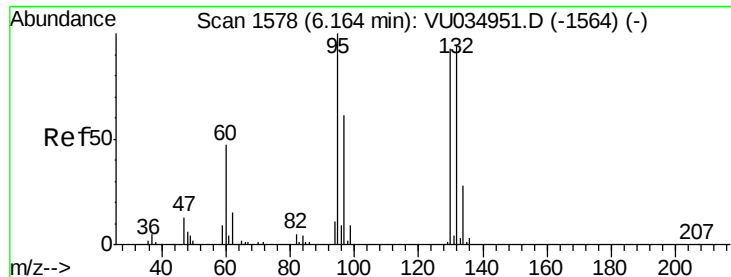
Delta R.T. 0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

Tgt Ion: 78 Resp: 290271





#34

Trichloroethene

Concen: 5.097 ug/L

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

Instrument :

MSVOA_U

ClientSampleId :

VICV04

Tgt Ion: 95 Resp: 76357

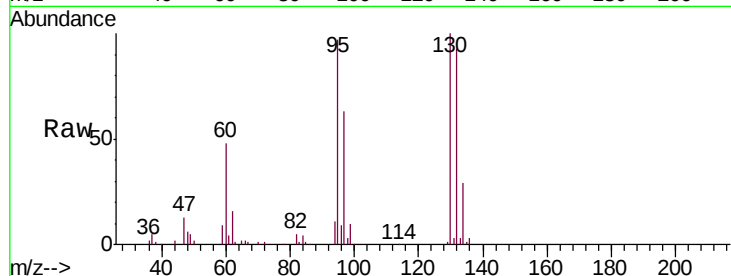
Ion Ratio Lower Upper

95 100

97 65.1 42.5 78.9

132 95.7 65.8 122.2

130 103.2 65.0 120.8

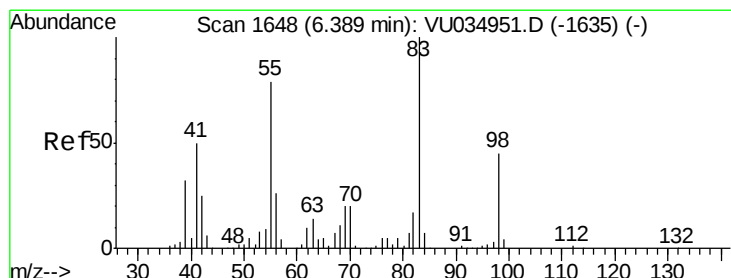
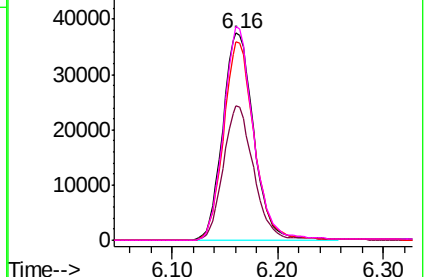
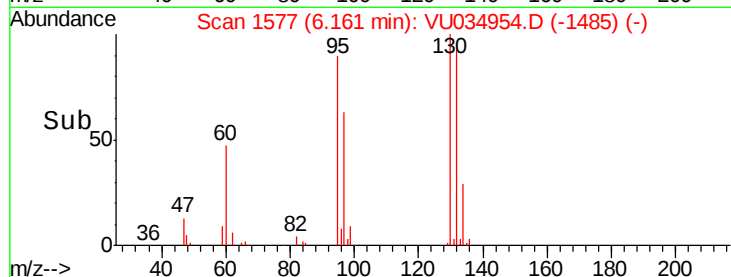


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.989 ug/L

RT: 6.39 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

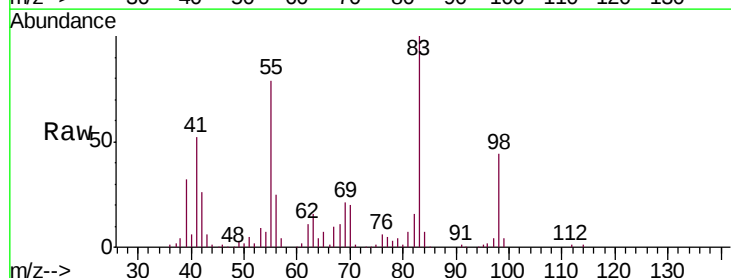
Tgt Ion: 83 Resp: 121047

Ion Ratio Lower Upper

83 100

55 80.2 62.4 93.6

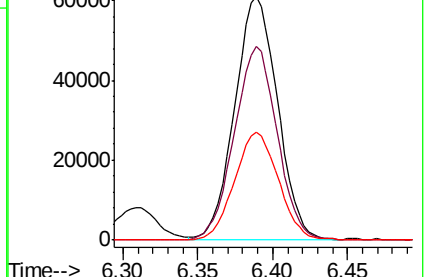
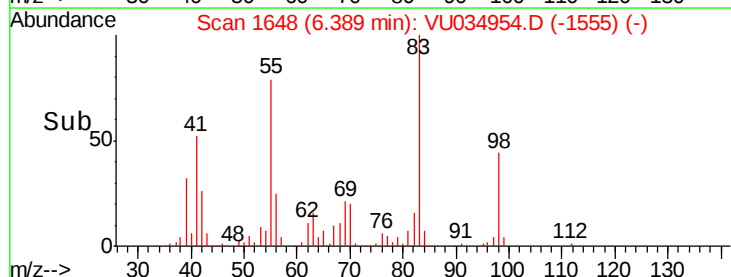
98 45.6 35.5 53.3

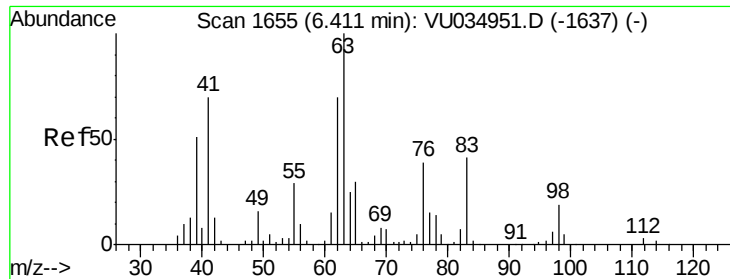


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

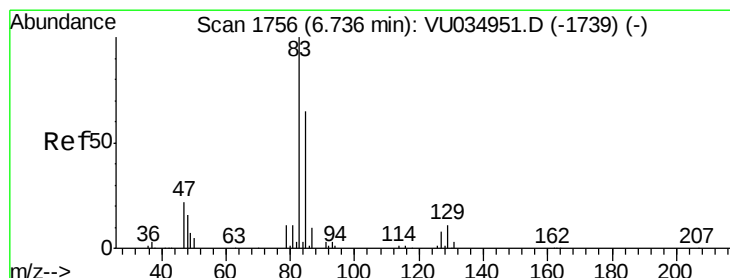
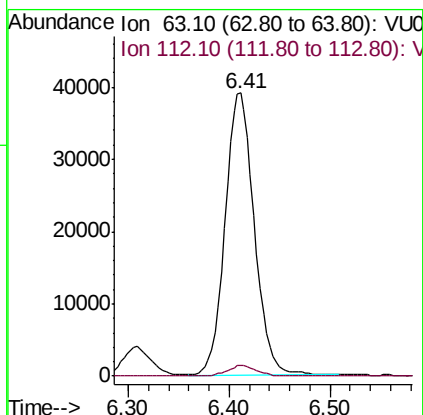
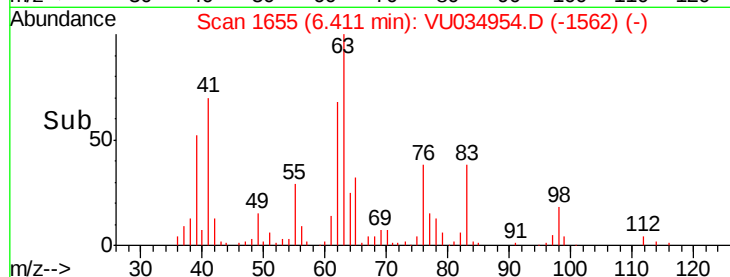
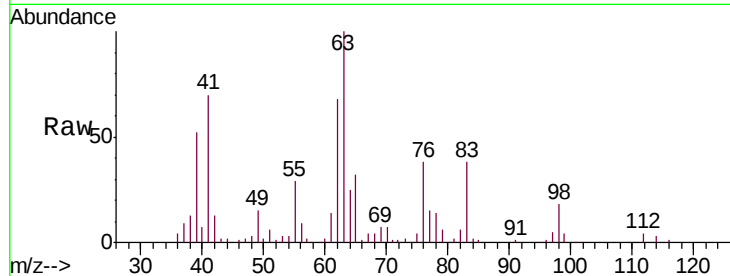




#37
 1,2-Dichloropropane
 Concen: 5.042 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034954.D
 Acq: 07 Oct 2019 12:04

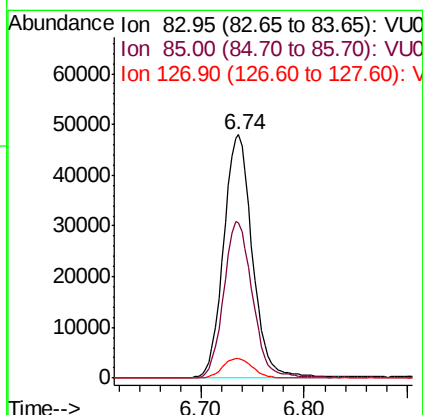
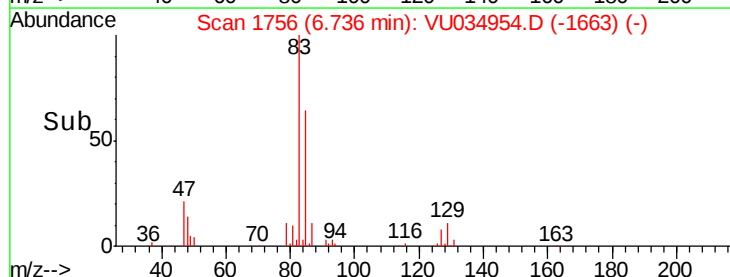
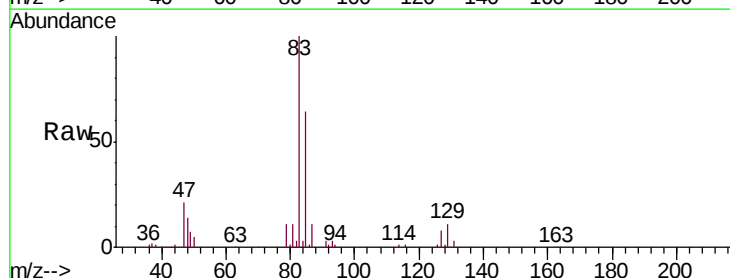
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

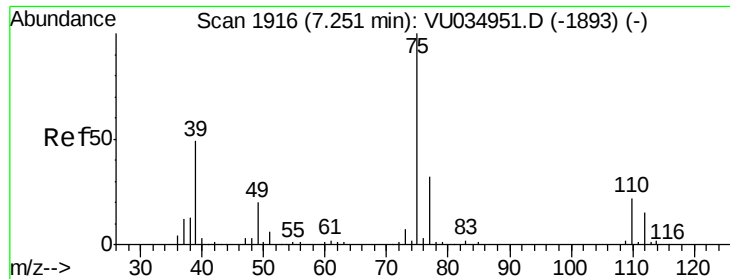
Tgt Ion: 63 Resp: 79003
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.0 4.4



#38
 Bromodichloromethane
 Concen: 5.045 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU034954.D
 Acq: 07 Oct 2019 12:04

Tgt Ion: 83 Resp: 92669
 Ion Ratio Lower Upper
 83 100
 85 64.0 45.3 84.1
 127 8.1 6.6 10.0

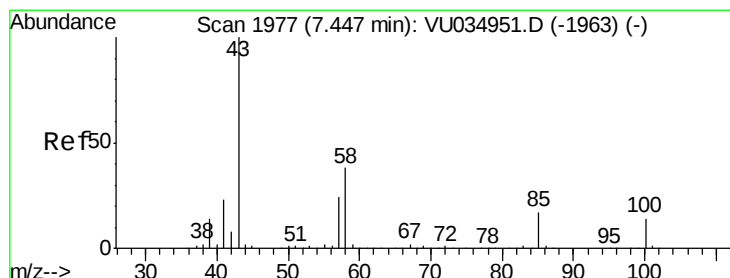
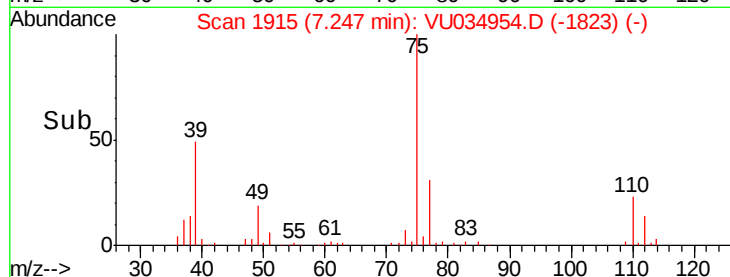
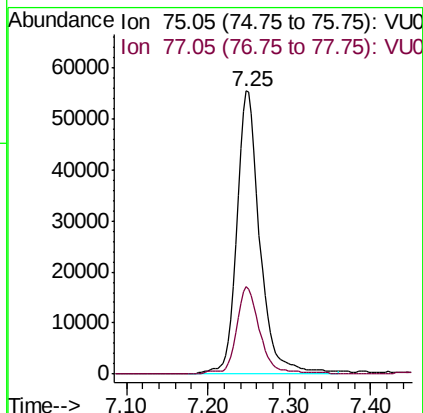
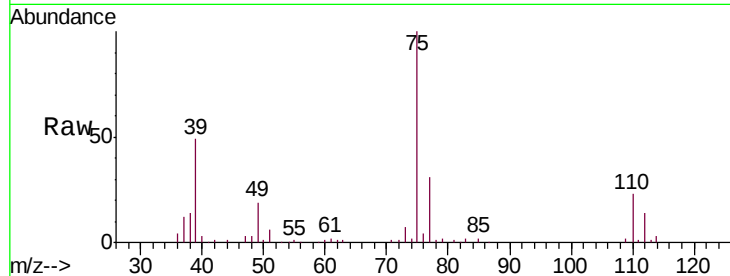




#39
 cis-1,3-Dichloropropene
 Concen: 5.159 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034954.D
 Acq: 07 Oct 2019 12:04

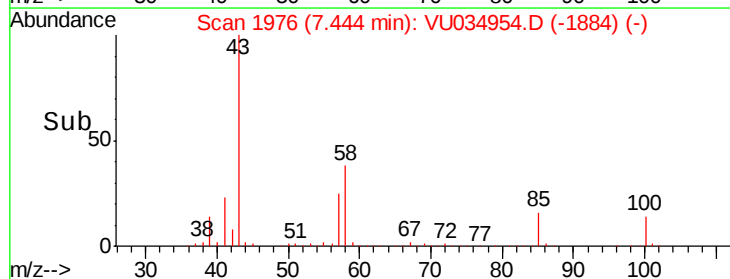
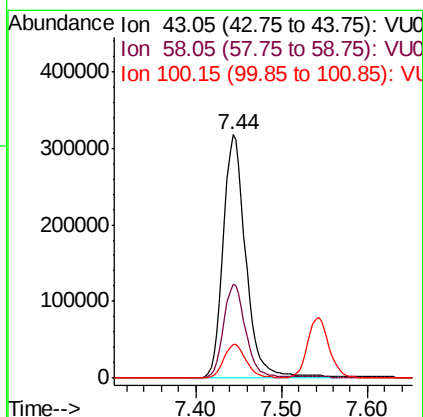
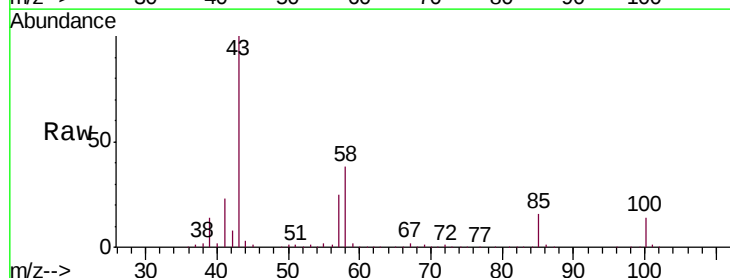
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

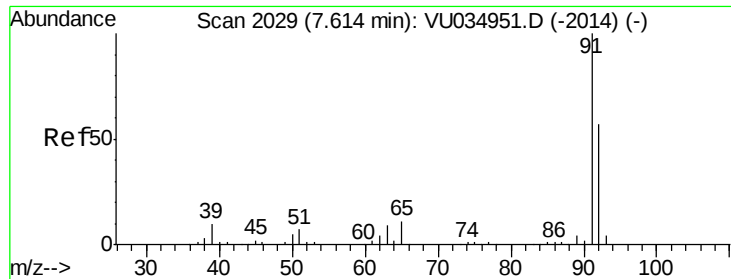
Tgt Ion: 75 Resp: 109514
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 59.290 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: VU034954.D
 Acq: 07 Oct 2019 12:04

Tgt Ion: 43 Resp: 584682
 Ion Ratio Lower Upper
 43 100
 58 37.9 31.1 46.7
 100 13.6 11.0 16.4





#42

Toluene

Concen: 5.200 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

Instrument :

MSVOA_U

ClientSampled :

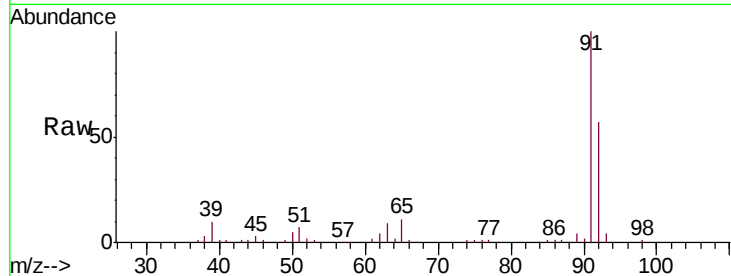
VICV04

Tgt Ion: 91 Resp: 315264

Ion Ratio Lower Upper

91 100

92 56.9 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU034951.D (-2014) (-)

Ion 92.15 (91.85 to 92.85): VU034951.D (-2014) (-)

7.61

200000

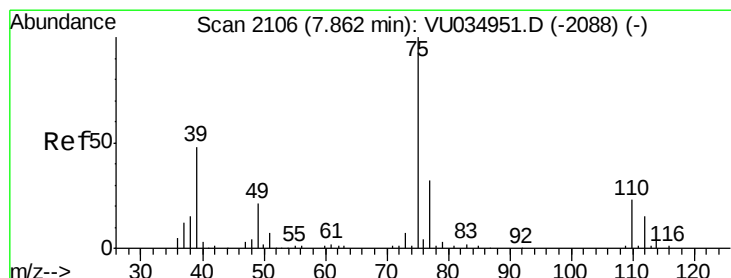
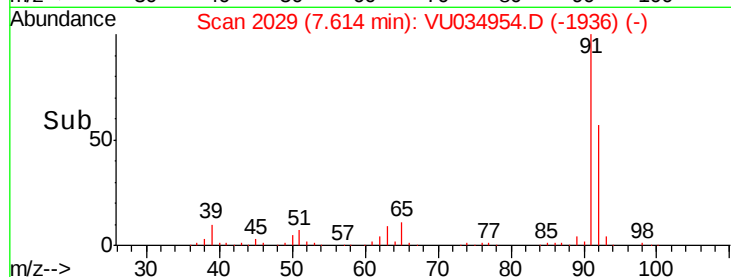
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#44

trans-1,3-Dichloropropene

Concen: 5.446 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034954.D

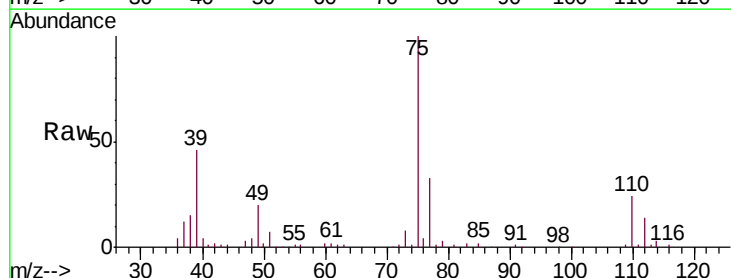
Acq: 07 Oct 2019 12:04

Tgt Ion: 75 Resp: 89534

Ion Ratio Lower Upper

75 100

77 33.2 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU034951.D (-2088) (-)

Ion 77.05 (76.75 to 77.75): VU034951.D (-2088) (-)

7.86

50000

40000

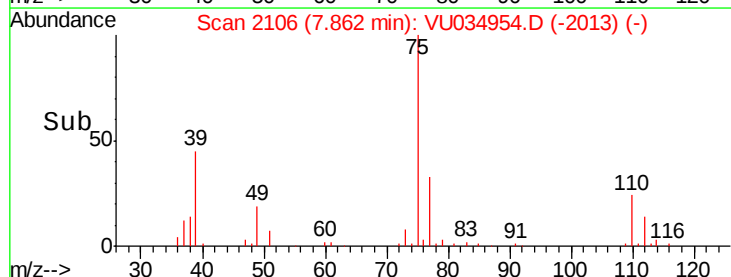
30000

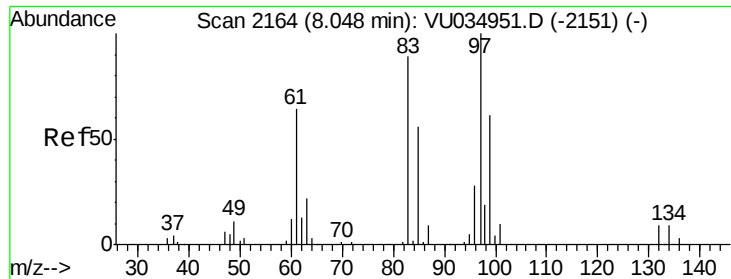
20000

10000

0

Time--> 7.80 7.90 8.00

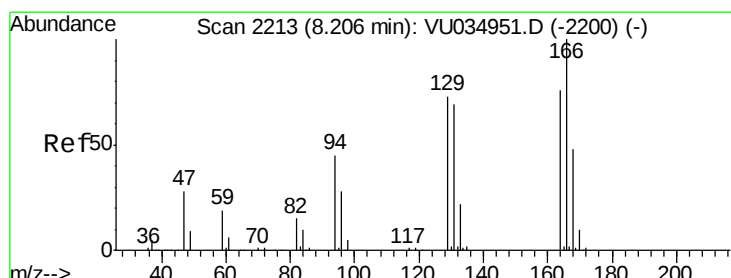
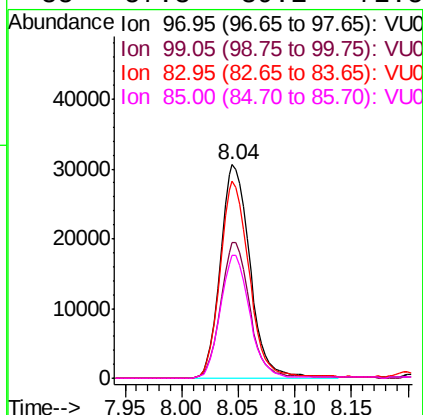
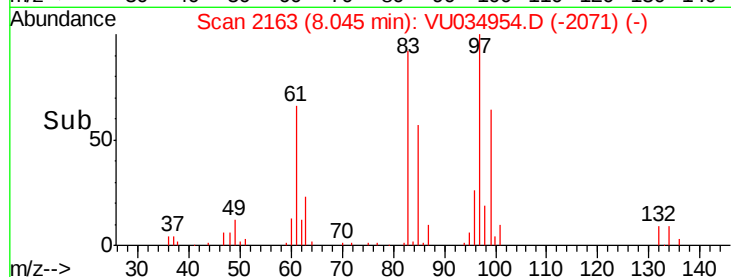
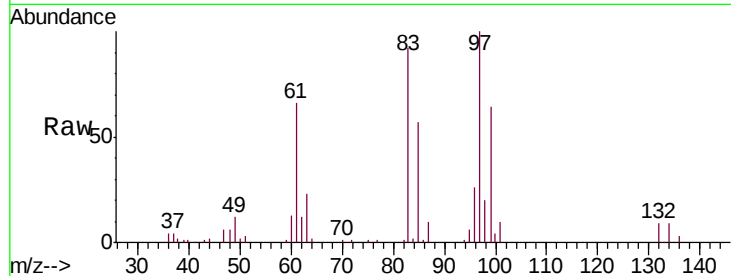




#45
 1,1,2-Trichloroethane
 Concen: 5.387 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034954.D
 Acq: 07 Oct 2019 12:04

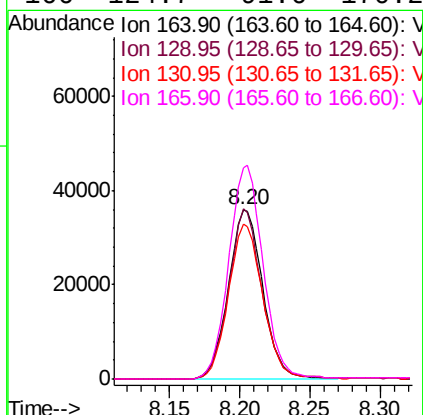
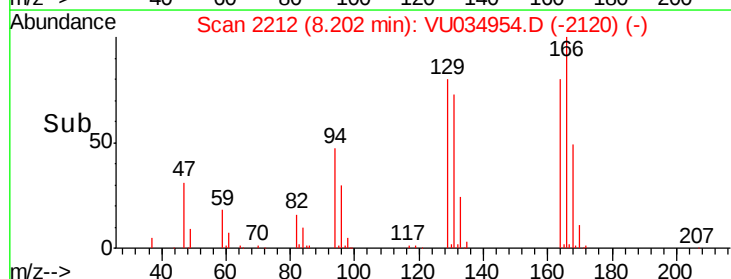
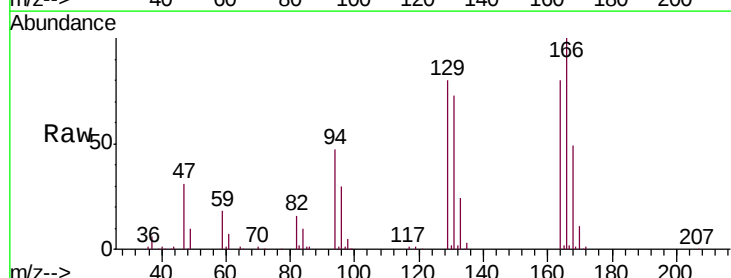
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

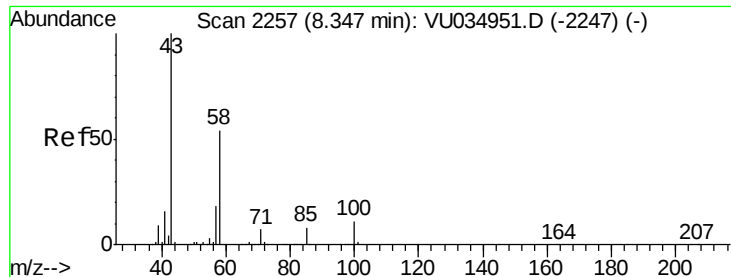
Tgt Ion:	97	Resp:	56045
Ion	Ratio	Lower	Upper
97	100		
99	63.5	42.8	79.6
83	92.2	62.2	115.6
85	57.3	39.1	72.5



#47
 Tetrachloroethene
 Concen: 5.069 ug/L
 RT: 8.20 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: VU034954.D
 Acq: 07 Oct 2019 12:04

Tgt Ion:	164	Resp:	61466
Ion	Ratio	Lower	Upper
164	100		
129	100.2	66.5	123.5
131	91.1	63.3	117.7
166	124.7	91.6	170.2

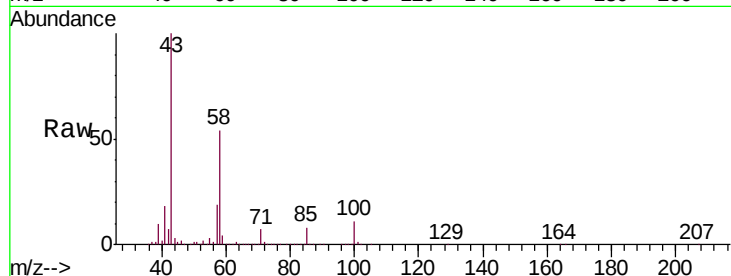




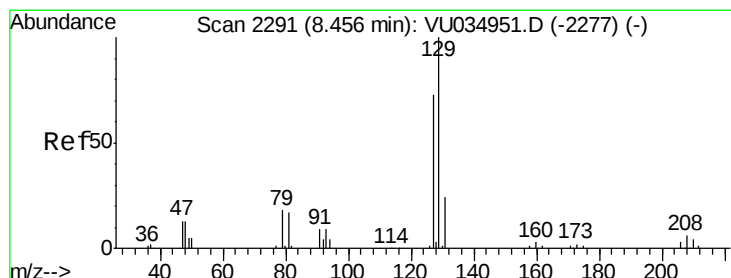
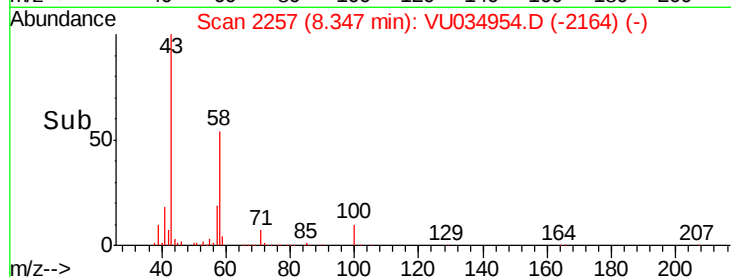
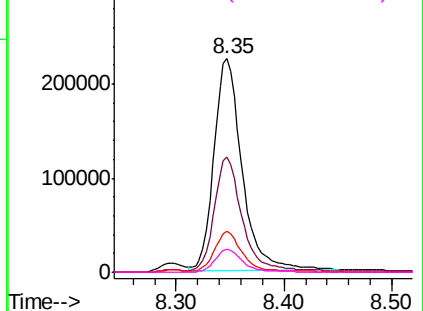
#48
2-Hexanone
Concen: 60.202 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU034954.D
Acq: 07 Oct 2019 12:04

Instrument :
MSVOA_U
ClientSampleId :
VICV04

Tgt Ion: 43 Resp: 407044
Ion Ratio Lower Upper
43 100
58 53.6 43.3 64.9
57 18.7 14.5 21.7
100 11.1 8.6 12.8

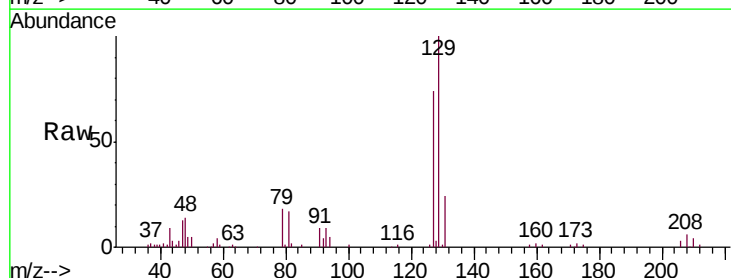


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

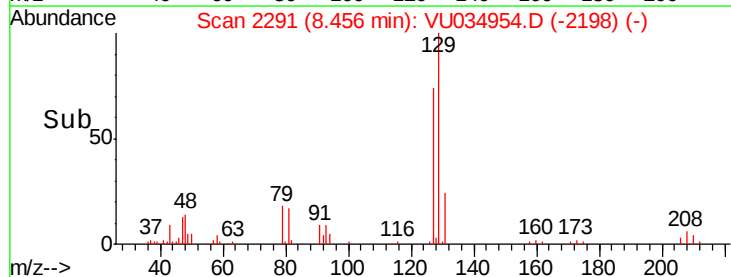
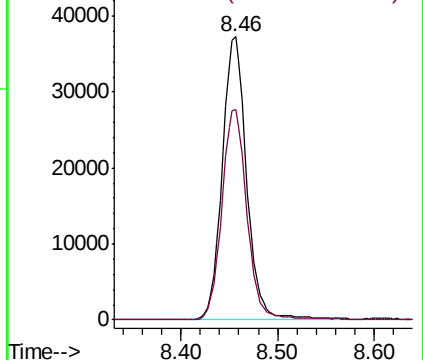


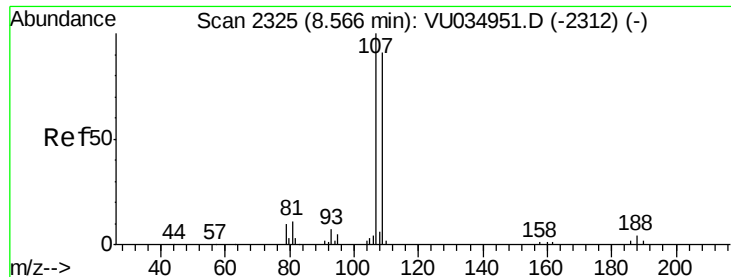
#49
Dibromochloromethane
Concen: 5.442 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034954.D
Acq: 07 Oct 2019 12:04

Tgt Ion: 129 Resp: 65441
Ion Ratio Lower Upper
129 100
127 74.4 51.2 95.0



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 5.356 ug/L

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

Instrument :

MSVOA_U

ClientSampleId :

VICV04

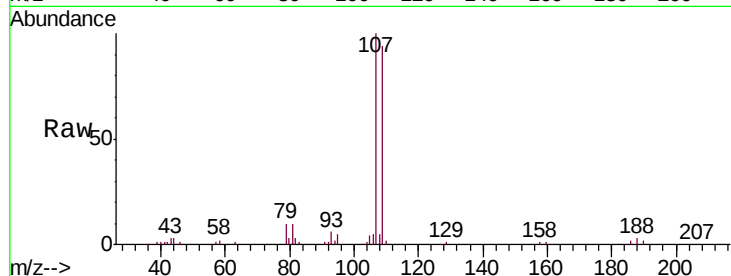
Tgt Ion:107 Resp: 53255

Ion Ratio Lower Upper

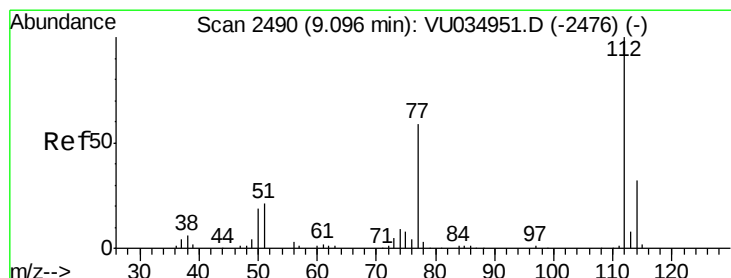
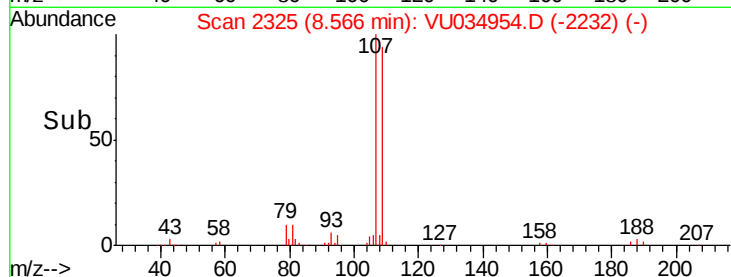
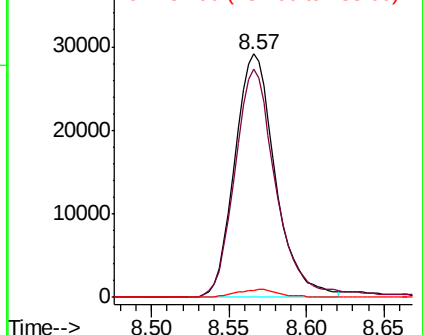
107 100

109 93.8 64.0 119.0

188 2.8 3.5 5.3#



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 5.044 ug/L

RT: 9.10 min Scan# 2490

Delta R.T. 0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

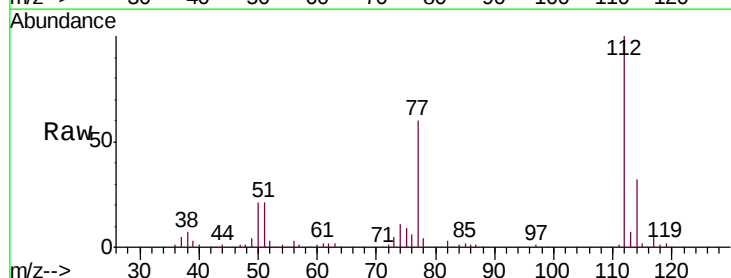
Tgt Ion:112 Resp: 198176

Ion Ratio Lower Upper

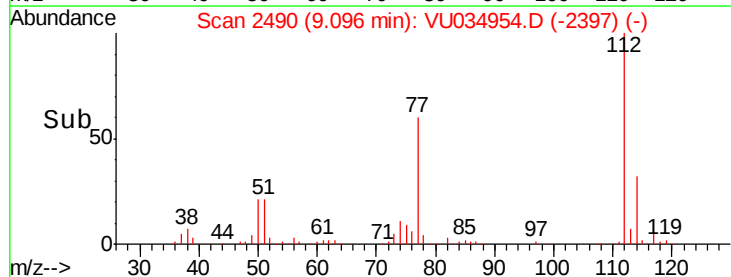
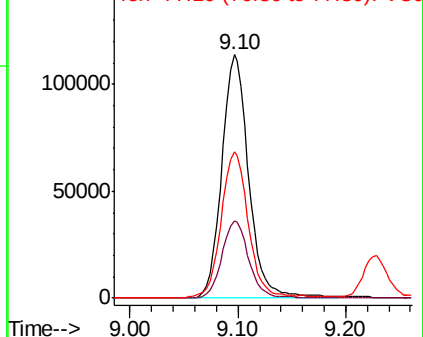
112 100

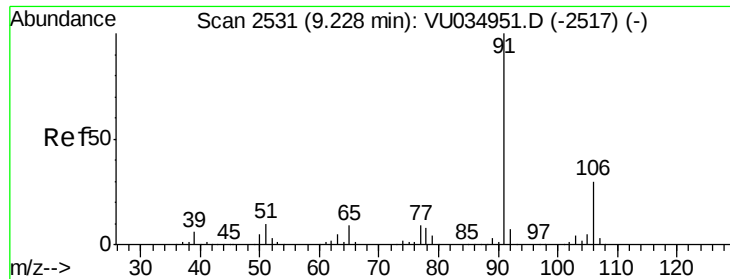
114 31.6 22.2 41.2

77 60.2 47.4 71.2



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.155 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

Instrument :

MSVOA_U

ClientSampleId :

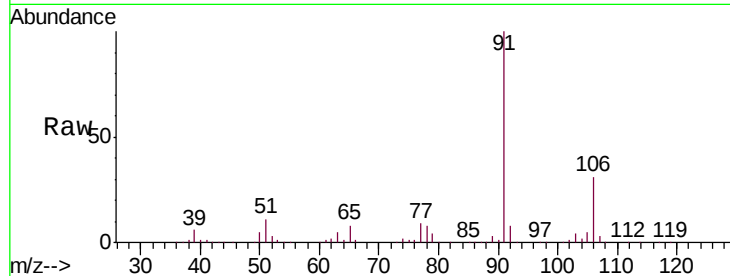
VICV04

Tgt Ion: 91 Resp: 345179

Ion Ratio Lower Upper

91 100

106 30.6 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU034954.D (-2517) (-)

Ion 106.15 (105.85 to 106.85): VU034954.D (-2517) (-)

9.23

250000

200000

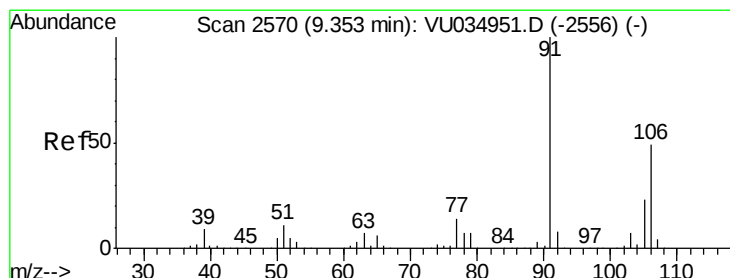
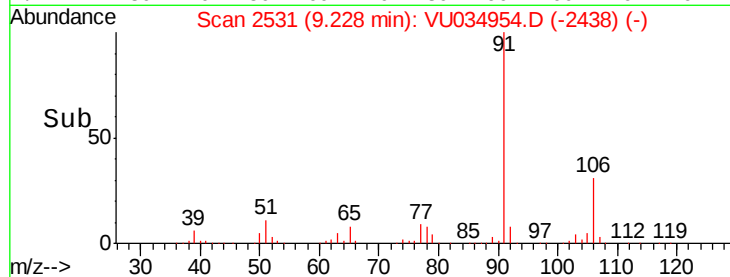
150000

100000

50000

0

Time-->



#53

m,p-Xylene

Concen: 5.208 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034954.D

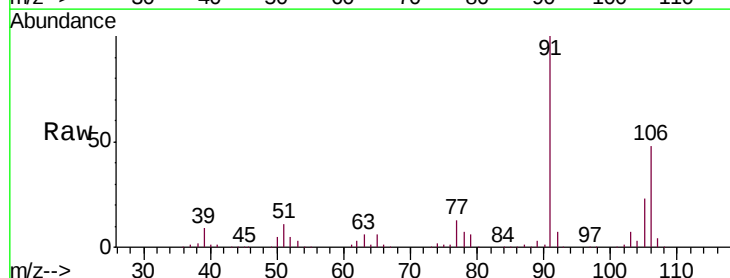
Acq: 07 Oct 2019 12:04

Tgt Ion: 106 Resp: 128838

Ion Ratio Lower Upper

106 100

91 207.2 143.1 265.9



Abundance Ion 106.15 (105.85 to 106.85): VU034954.D (-2556) (-)

Ion 91.15 (90.85 to 91.85): VU034954.D (-2556) (-)

9.35

200000

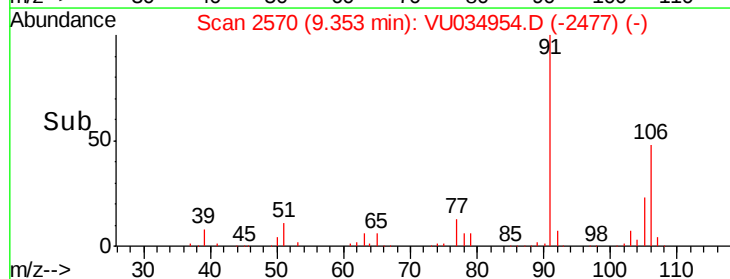
150000

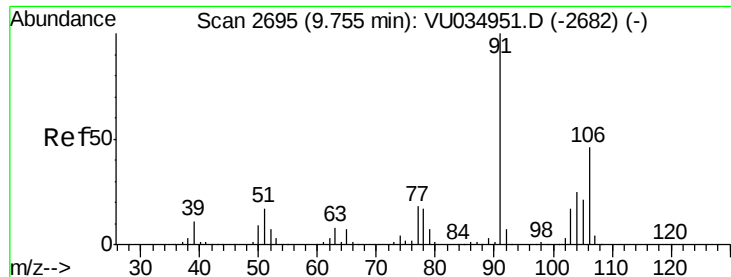
100000

50000

0

Time-->

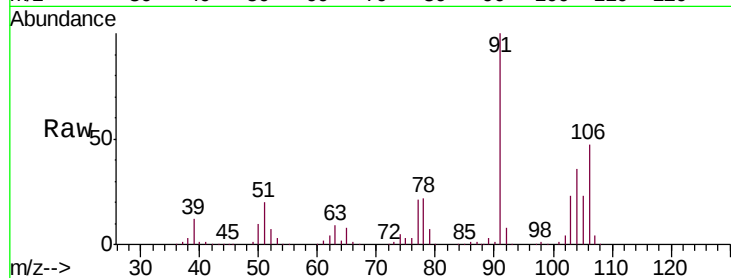




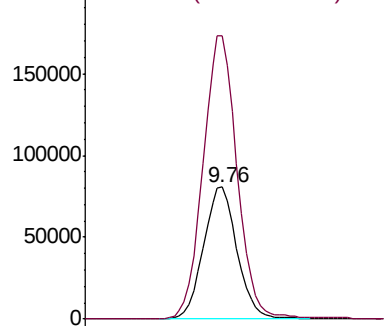
#54
o-Xylene
Concen: 5.214 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034954.D
Acq: 07 Oct 2019 12:04

Instrument :
MSVOA_U
ClientSampleId :
VICV04

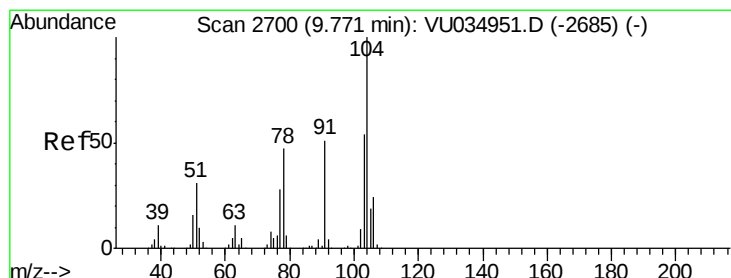
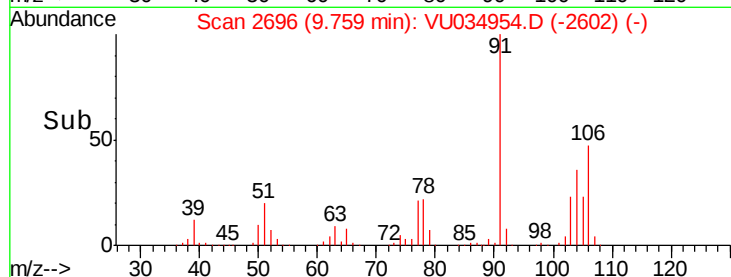
Tgt Ion:106 Resp: 126131
Ion Ratio Lower Upper
106 100
91 214.7 151.6 281.6



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

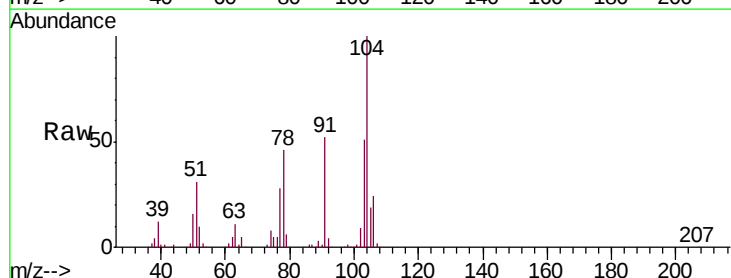


Time-->

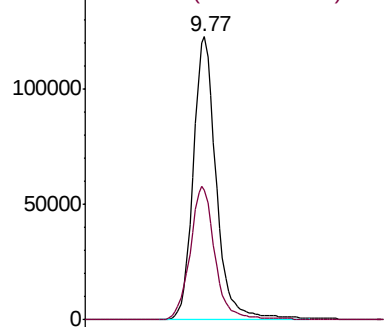


#55
Styrene
Concen: 5.416 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034954.D
Acq: 07 Oct 2019 12:04

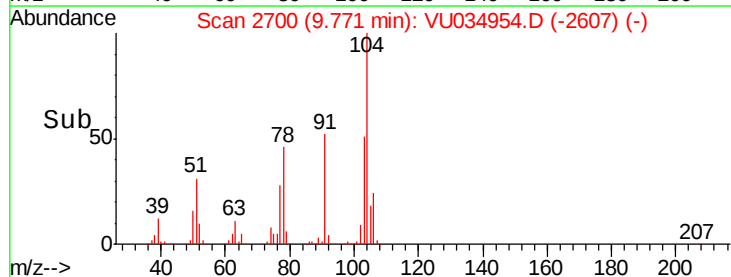
Tgt Ion:104 Resp: 212173
Ion Ratio Lower Upper
104 100
78 46.0 32.7 60.7

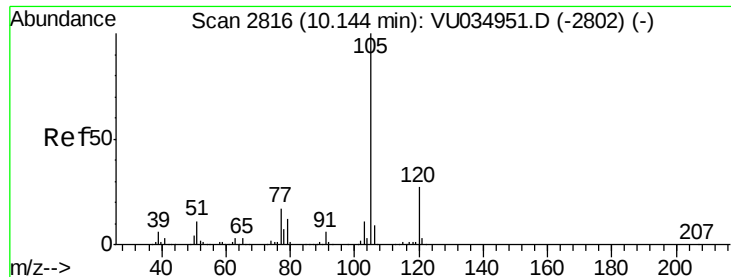


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0



Time-->





#56

Isopropylbenzene

Concen: 5.275 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

Instrument :

MSVOA_U

ClientSampled :

VICV04

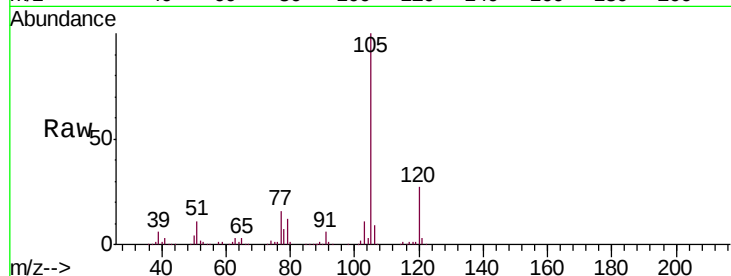
Tgt Ion: 105 Resp: 339996

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

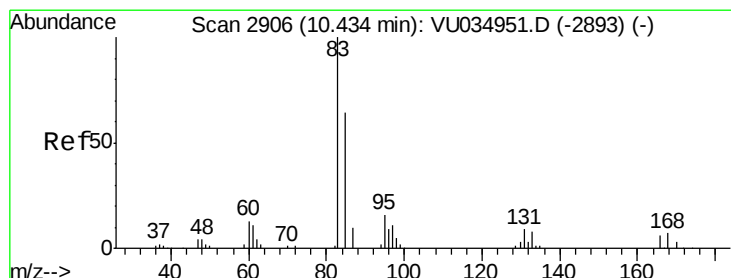
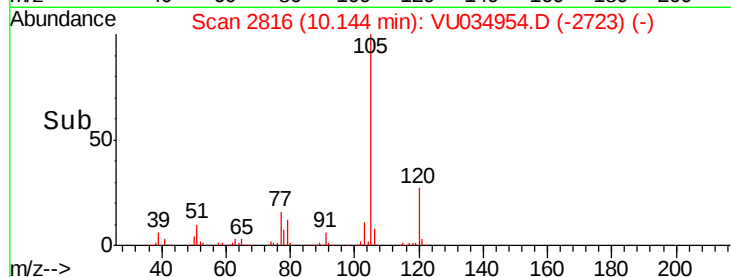
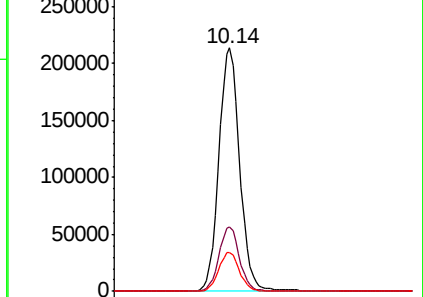
77 16.2 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.447 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

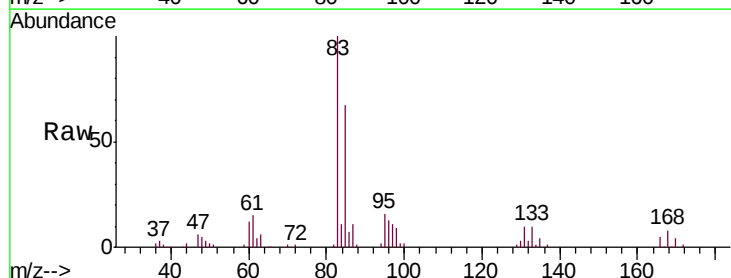
Tgt Ion: 83 Resp: 77059

Ion Ratio Lower Upper

83 100

85 66.9 45.0 83.6

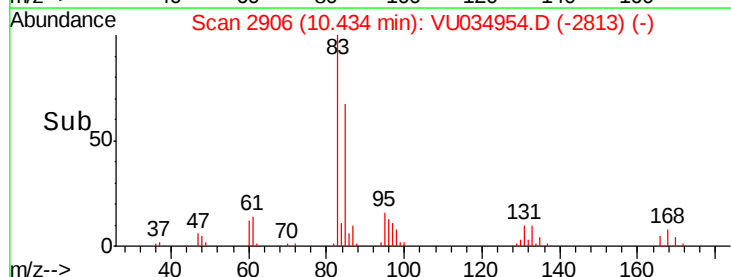
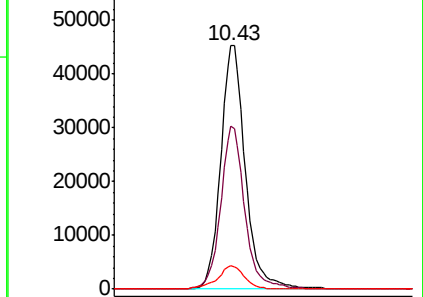
131 9.5 7.7 11.5

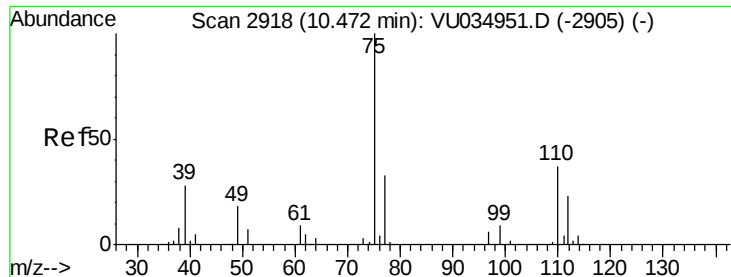


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

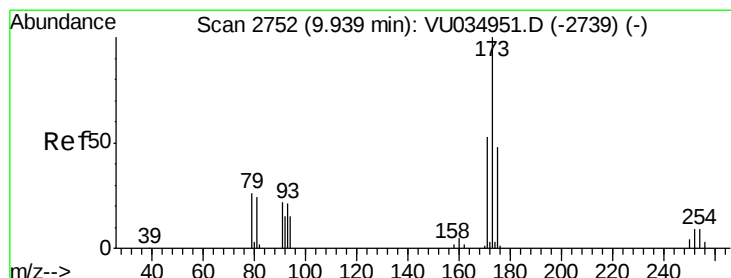
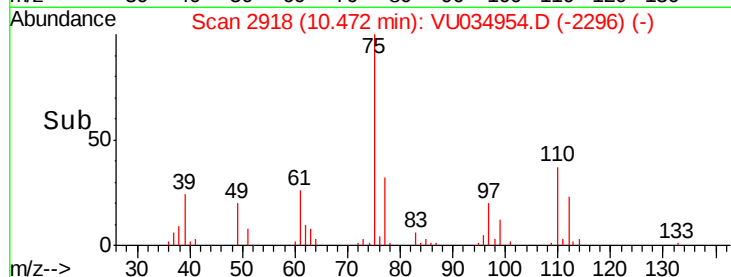
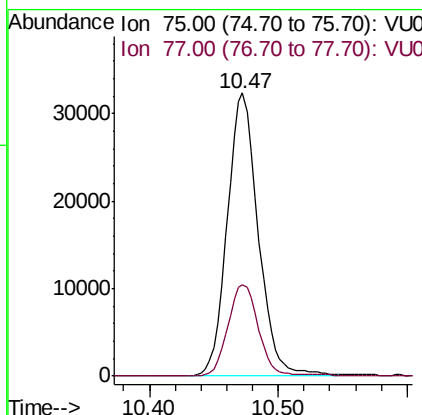
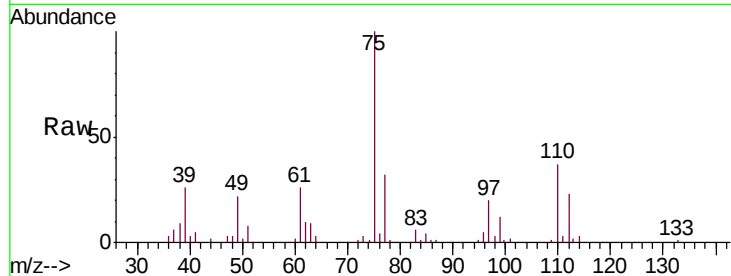




#59
 1,2,3-Trichloropropane
 Concen: 5.332 ug/L
 RT: 10.47 min Scan# 2918
 Delta R.T. 0.00 min
 Lab File: VU034954.D
 Acq: 07 Oct 2019 12:04

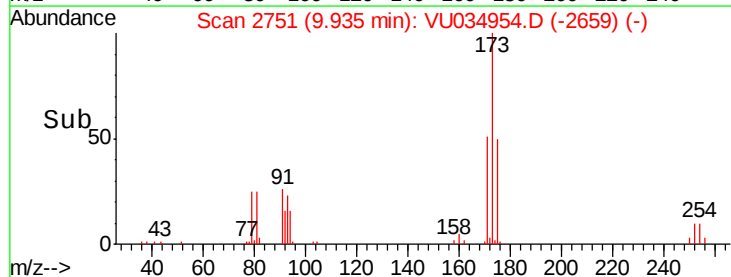
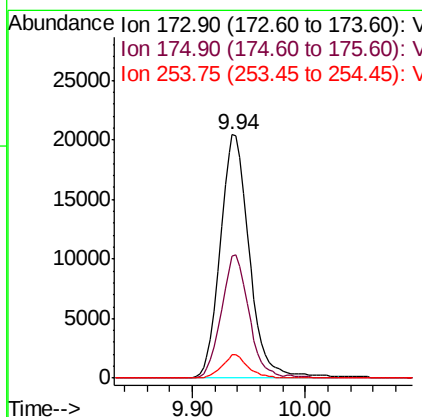
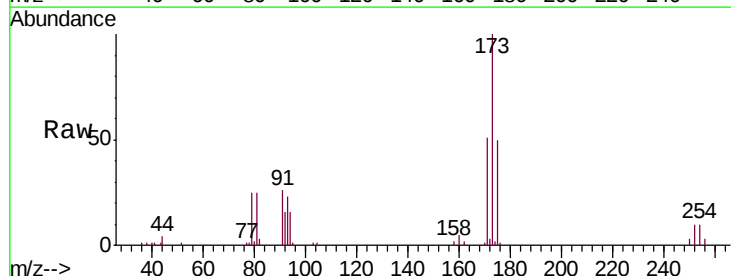
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

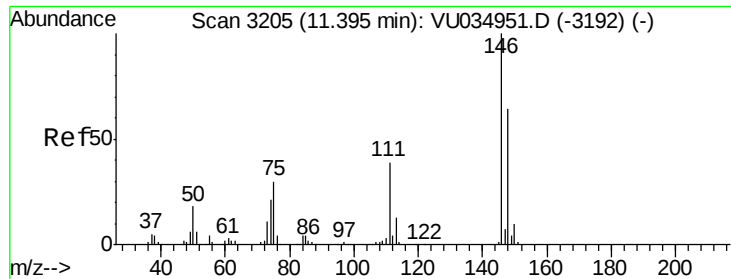
Tgt Ion: 75 Resp: 54081
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.6



#61
 Bromoform
 Concen: 5.533 ug/L
 RT: 9.94 min Scan# 2751
 Delta R.T. -0.00 min
 Lab File: VU034954.D
 Acq: 07 Oct 2019 12:04

Tgt Ion: 173 Resp: 36622
 Ion Ratio Lower Upper
 173 100
 175 47.6 39.2 58.8
 254 8.5 6.9 10.3





#62

1,3-Dichlorobenzene

Concen: 5.294 ug/L

RT: 11.40 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

Instrument :

MSVOA_U

ClientSampleId :

VICV04

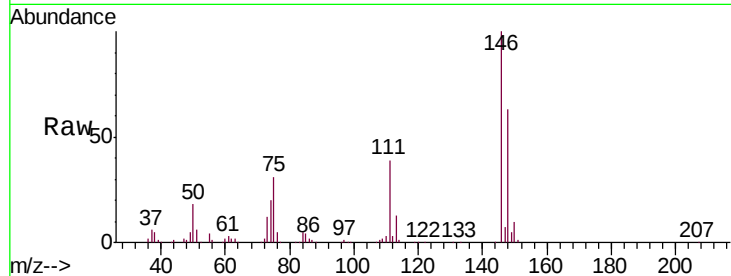
Tgt Ion:146 Resp: 157379

Ion Ratio Lower Upper

146 100

111 39.1 27.4 50.8

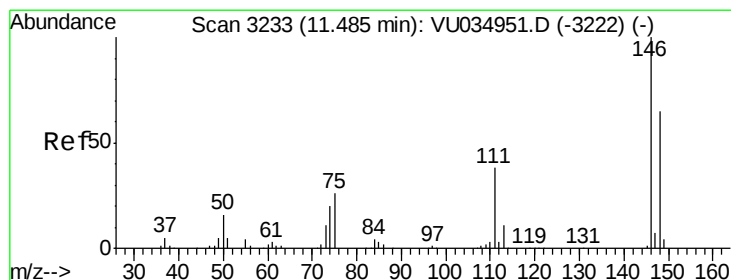
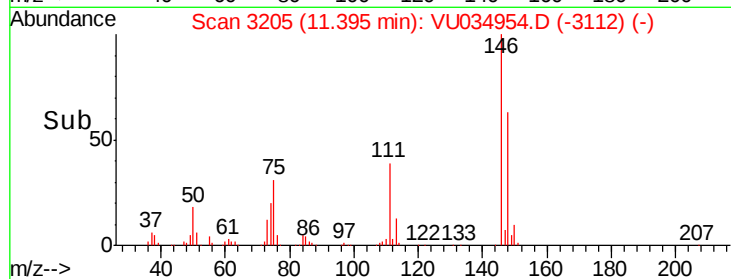
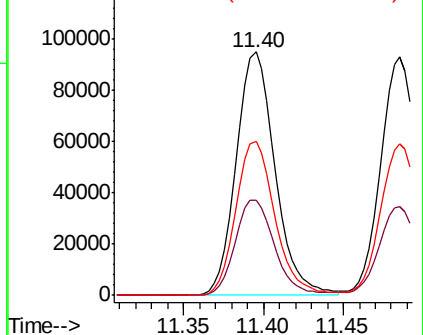
148 63.3 44.5 82.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.284 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. 0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

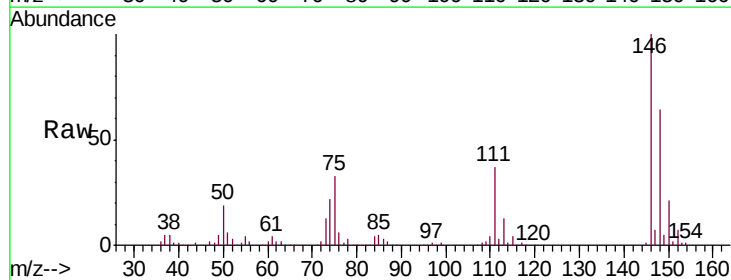
Tgt Ion:146 Resp: 158537

Ion Ratio Lower Upper

146 100

111 37.4 27.3 50.7

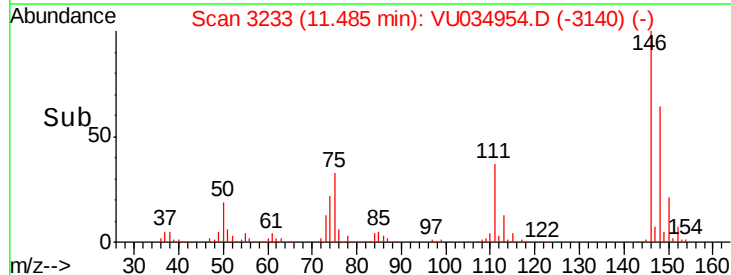
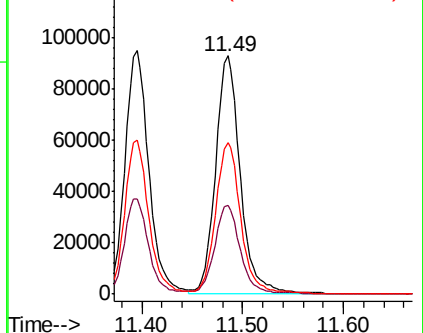
148 63.7 45.8 85.2

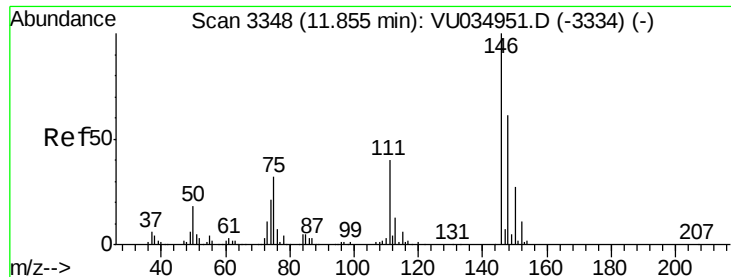


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.323 ug/L

RT: 11.85 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

Instrument :

MSVOA_U

ClientSampleId :

VICV04

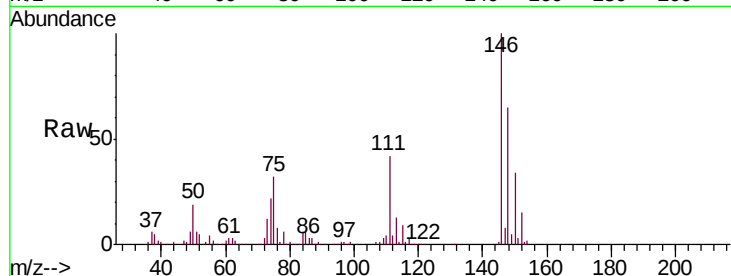
Tgt Ion:146 Resp: 152706

Ion Ratio Lower Upper

146 100

111 41.5 32.1 48.1

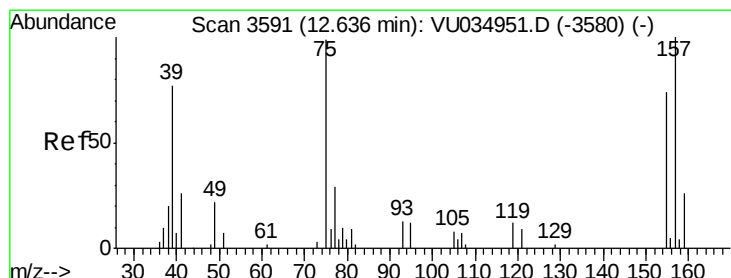
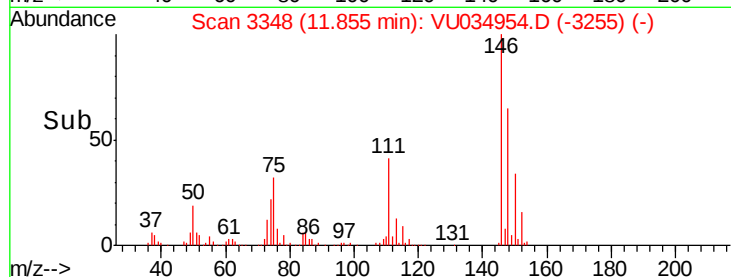
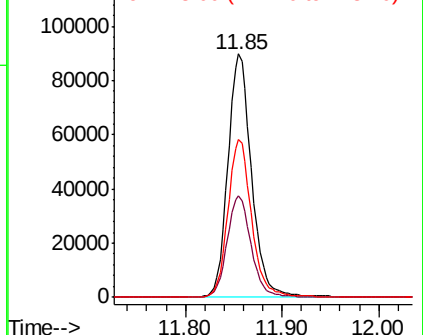
148 65.0 49.2 73.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.998 ug/L

RT: 12.63 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

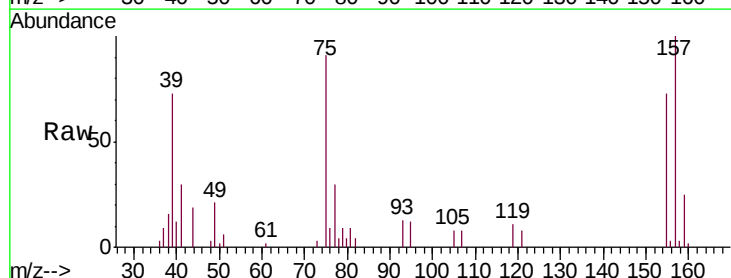
Tgt Ion: 75 Resp: 10935

Ion Ratio Lower Upper

75 100

155 79.6 59.7 89.5

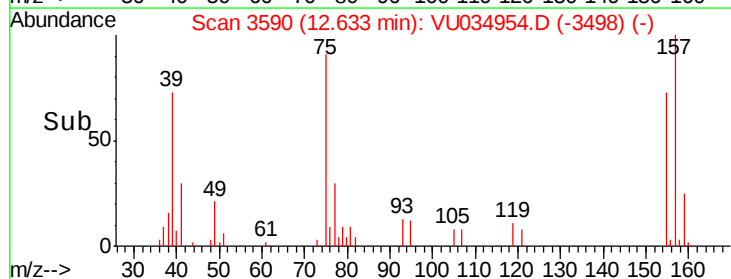
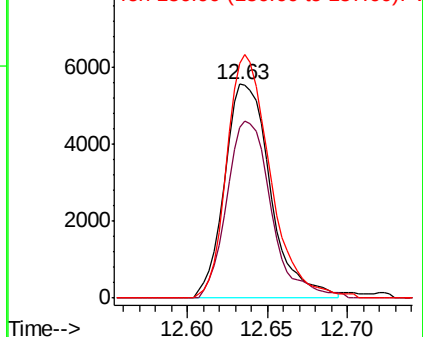
157 109.6 80.8 121.2

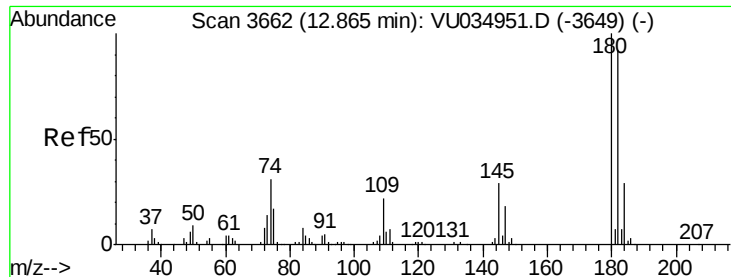


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

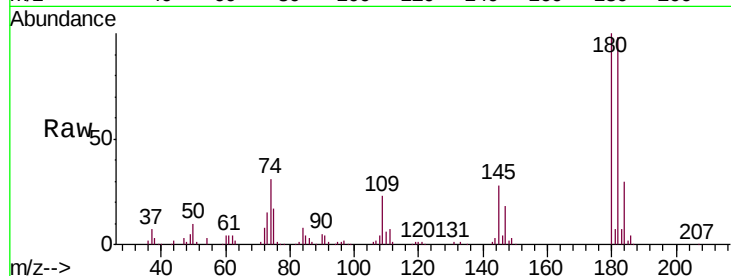




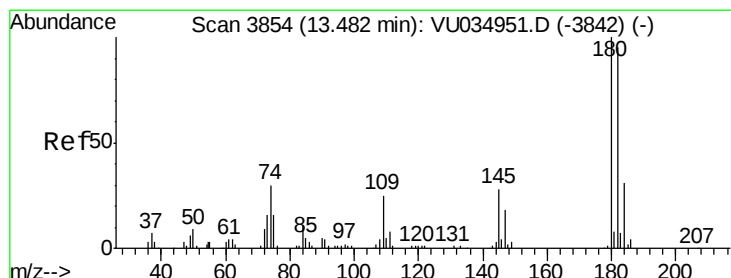
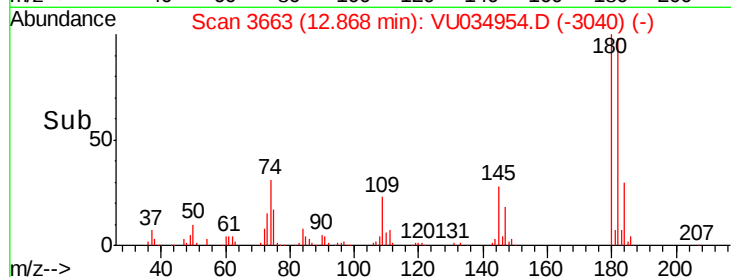
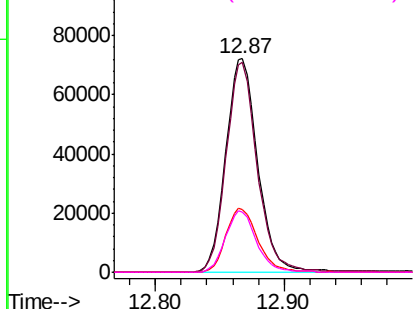
#67
 1,3,5-Trichlorobenzene
 Concen: 6.152 ug/L
 RT: 12.87 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VU034954.D
 Acq: 07 Oct 2019 12:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

Tgt Ion:180 Resp: 123859
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.7 113.5
 184 29.9 24.1 36.1
 145 28.0 22.5 33.7

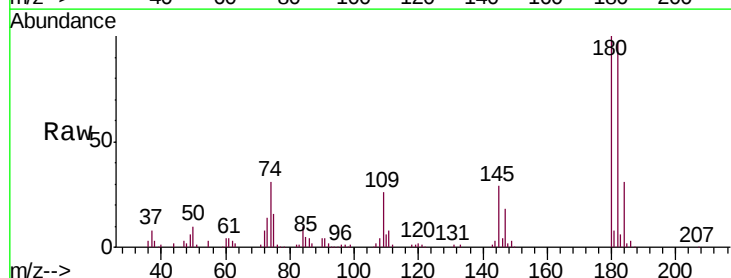


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

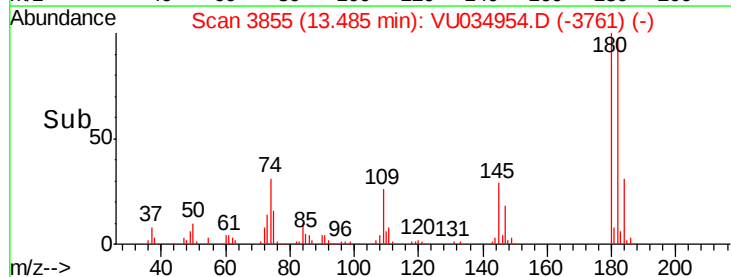
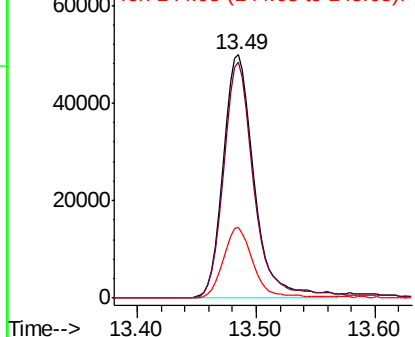


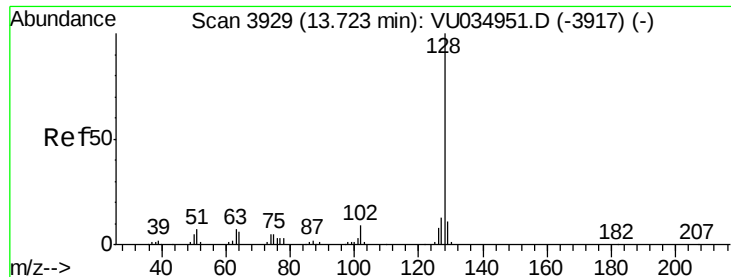
#68
 1,2,4-trichlorobenzene
 Concen: 6.010 ug/L
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034954.D
 Acq: 07 Oct 2019 12:04

Tgt Ion:180 Resp: 90359
 Ion Ratio Lower Upper
 180 100
 182 93.6 77.0 115.4
 145 28.2 22.2 33.4



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.576 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

Instrument :

MSVOA_U

ClientSampleId :

VICV04

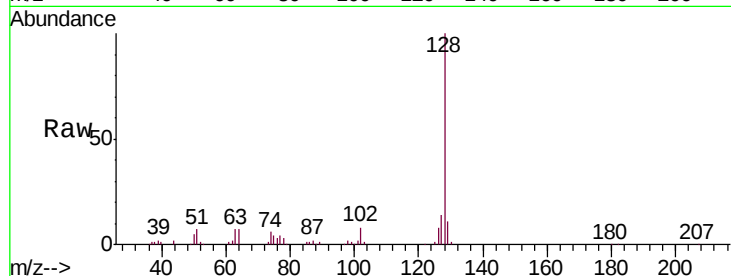
Tgt Ion:128 Resp: 130362

Ion Ratio Lower Upper

128 100

129 10.5 8.1 12.1

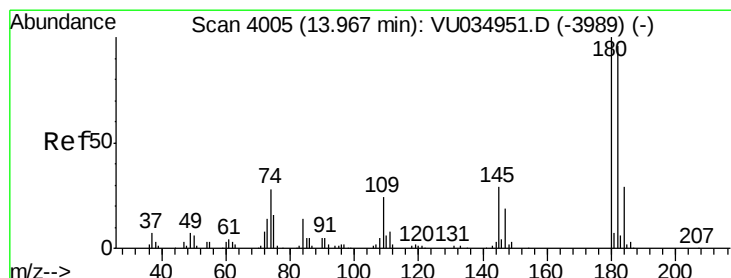
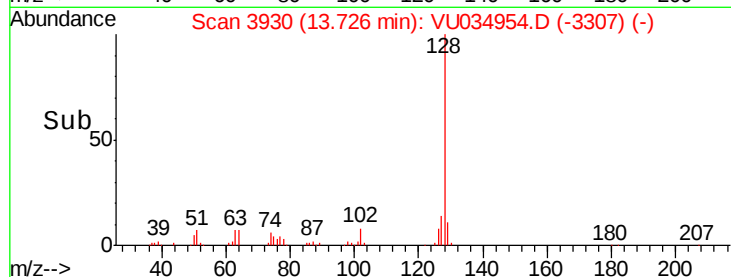
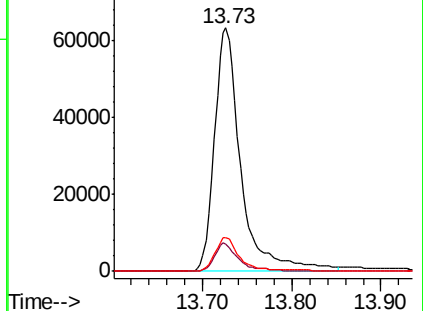
127 13.2 9.8 14.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 6.256 ug/L

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034954.D

Acq: 07 Oct 2019 12:04

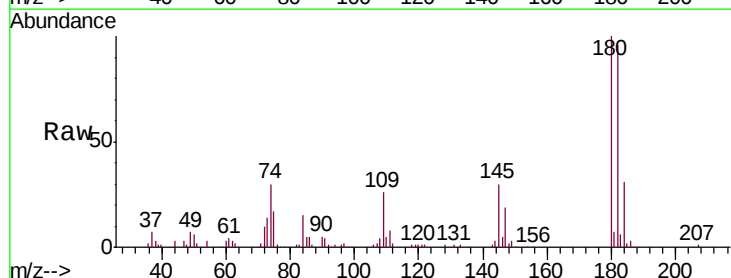
Tgt Ion:180 Resp: 91468

Ion Ratio Lower Upper

180 100

182 96.9 78.1 117.1

145 29.8 24.6 36.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

