

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122619\
 Data File : VU036344.D
 Acq On : 26 Dec 2019 10:20
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 26 15:38:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 24 13:38:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	276472	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	292626	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	152704	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	106613	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	1.93	69	102537	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.59	63	166315	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.80%
20) 2-Butanone-d5	4.69	46	263839	57.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.68%
24) Chloroform-d	5.11	84	204018	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
26) 1,2-Dichloroethane-d4	5.74	65	103390	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.77	84	360992	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.73	67	117719	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	7.93	98	328227	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	8.21	79	48041	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
46) 2-Hexanone-d5	8.67	63	215248	59.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.06%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	111379	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	135340	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	126632	4.104	ug/L 97
3) Chloromethane	1.54	50	140080	3.618	ug/L 99
5) Vinyl chloride	1.62	62	146980	4.001	ug/L 97
6) Bromomethane	1.87	94	93813	5.110	ug/L 98
8) Chloroethane	1.95	64	87533	3.990	ug/L 98
9) Trichlorofluoromethane	2.16	101	195633	4.226	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	100209	4.518	ug/L 99
12) 1,1-Dichloroethene	2.61	96	91117	4.443	ug/L 93
13) Acetone	2.67	43	182780	45.981	ug/L 96
14) Carbon disulfide	2.82	76	292667	4.253	ug/L 99
15) Methyl Acetate	2.99	43	40391	5.029	ug/L 97
16) Methylene chloride	3.08	84	112483	3.731	ug/L 95
17) Methyl tert-butyl Ether	3.41	73	213907	4.866	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	98451	4.583	ug/L 97
19) 1,1-Dichloroethane	3.92	63	192507	4.854	ug/L 98
21) 2-Butanone	4.76	43	270939	51.007	ug/L 100
22) cis-1,2-Dichloroethene	4.71	96	109174	4.738	ug/L 99

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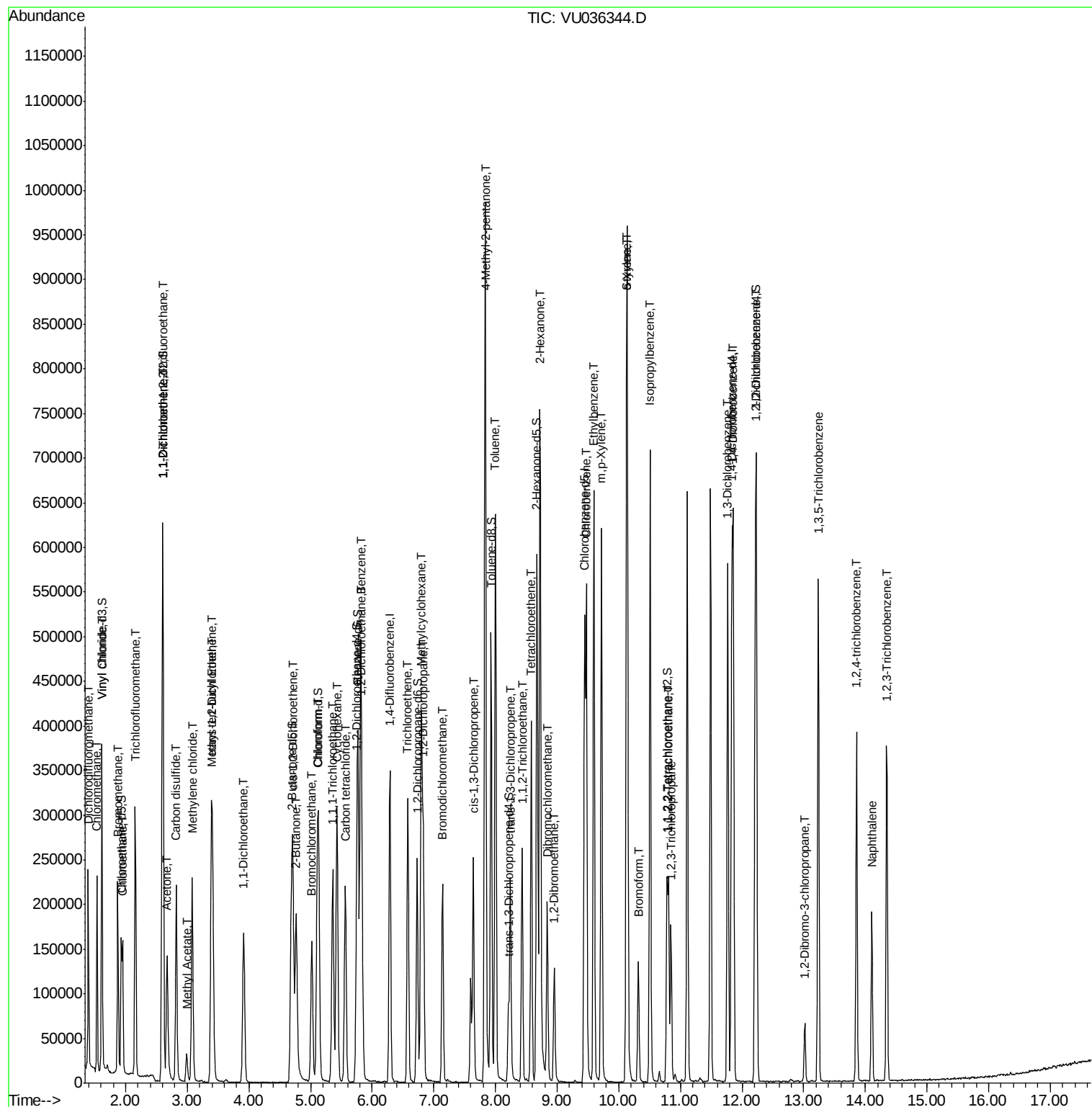
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	52874	4.743	ug/L	90
25) Chloroform	5.13	83	203729	4.749	ug/L	95
27) 1,2-Dichloroethane	5.84	62	127452	5.009	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	172930	4.800	ug/L	99
30) Cyclohexane	5.43	56	138818	4.529	ug/L	95
31) Carbon tetrachloride	5.56	117	151951	4.626	ug/L	100
33) Benzene	5.82	78	438907	4.880	ug/L	100
34) Trichloroethene	6.58	95	106565	4.596	ug/L	98
35) Methylcyclohexane	6.80	83	146835	4.454	ug/L	98
37) 1,2-Dichloropropane	6.83	63	112217	4.891	ug/L	99
38) Bromodichloromethane	7.14	83	142962	4.788	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	148962	4.765	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	630365	52.526	ug/L	99
42) Toluene	8.00	91	470047	4.876	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	129644	4.937	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	83233	4.841	ug/L	93
47) Tetrachloroethene	8.58	164	93432	4.462	ug/L	96
48) 2-Hexanone	8.72	43	457835	51.119	ug/L	96
49) Dibromochloromethane	8.84	129	104226	4.905	ug/L	99
50) 1,2-Dibromoethane	8.95	107	77570	4.731	ug/L #	97
51) Chlorobenzene	9.47	112	291859	4.585	ug/L	99
52) Ethylbenzene	9.60	91	450244	4.650	ug/L	99
53) m,p-Xylene	9.72	106	178949	4.797	ug/L	98
54) o-Xylene	10.13	106	171066	4.755	ug/L	92
55) Styrene	10.14	104	299193	4.699	ug/L	99
56) Isopropylbenzene	10.51	105	440256	4.765	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	107575	4.915	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	76236	4.999	ug/L	99
61) Bromoform	10.32	173	63913	4.821	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	244958	4.755	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	244761	4.790	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	235674	4.801	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	16383	5.025	ug/L	93
67) 1,3,5-Trichlorobenzene	13.24	180	182599	4.730	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	121776	4.802	ug/L	97
69) Naphthalene	14.10	128	148237	4.595	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	120327	4.906	ug/L	99

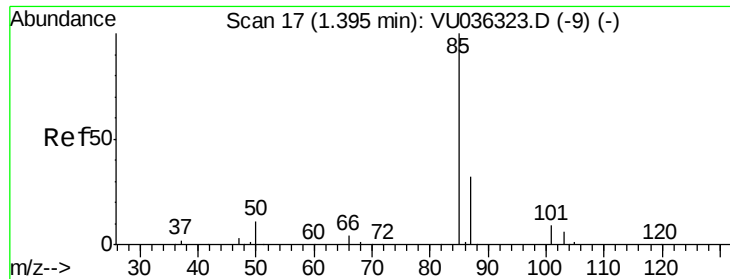
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.104 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036344.D

Acq: 26 Dec 2019 10:20

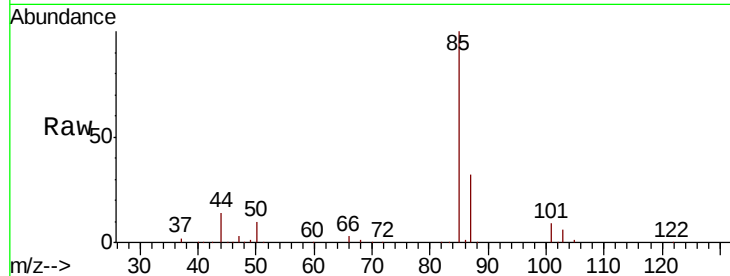
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 126632

Ion Ratio Lower Upper

85 100

87 31.3 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VU036323.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036323.D (-9) (-)

1.39

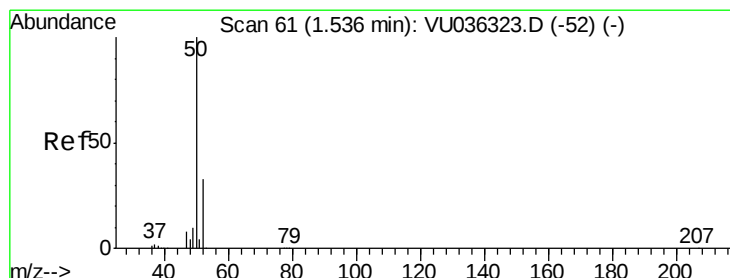
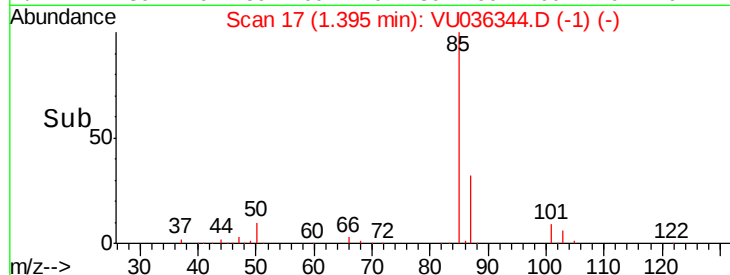
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 3.618 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036344.D

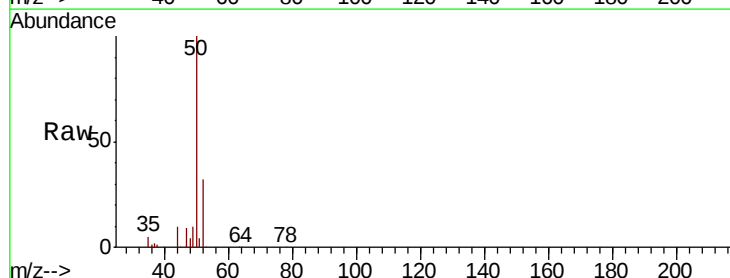
Acq: 26 Dec 2019 10:20

Tgt Ion: 50 Resp: 140080

Ion Ratio Lower Upper

50 100

52 32.5 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU036323.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036323.D (-52) (-)

1.54

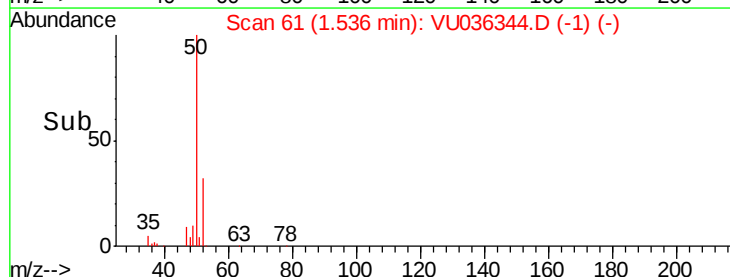
150000

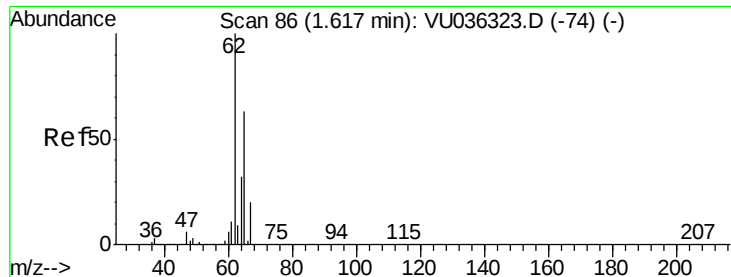
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.001 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036344.D

Acq: 26 Dec 2019 10:20

Instrument :

MSVOA_U

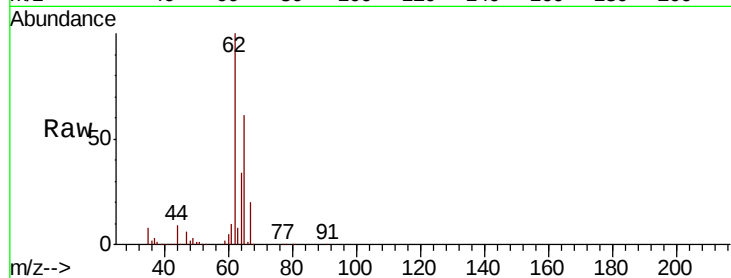
ClientSampleId :

Tot Ion: 62 Resp: 146980

Ion Ratio Lower Upper

62 100

64 33.5 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU036323.D (-74) (-)

Ion 64.10 (63.80 to 64.80): VU036323.D (-74) (-)

1.62

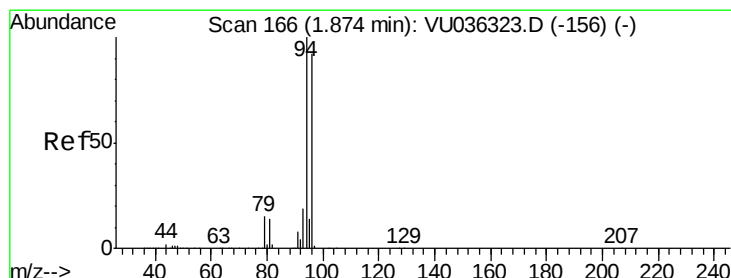
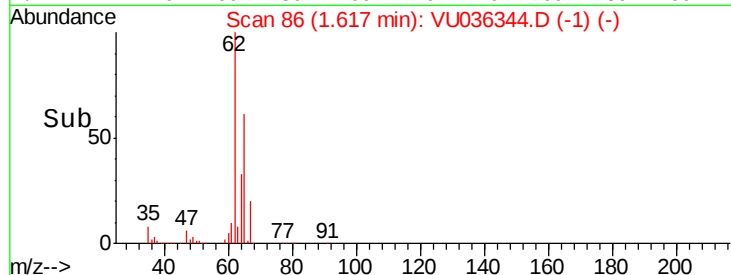
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 5.110 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036344.D

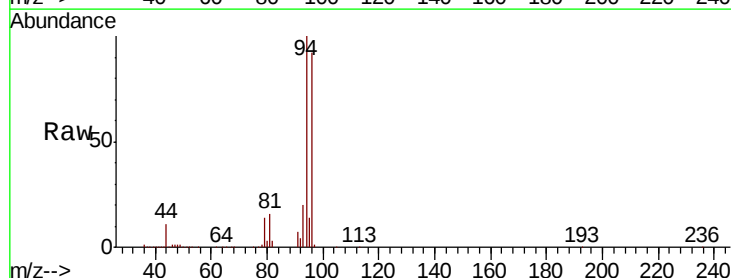
Acq: 26 Dec 2019 10:20

Tgt Ion: 94 Resp: 93813

Ion Ratio Lower Upper

94 100

96 92.2 62.9 116.9



Abundance Ion 94.00 (93.70 to 94.70): VU036323.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU036323.D (-156) (-)

1.87

80000

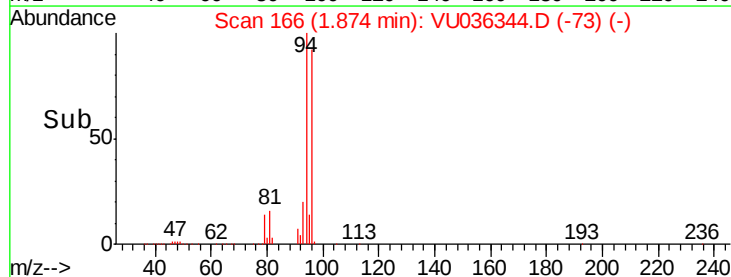
60000

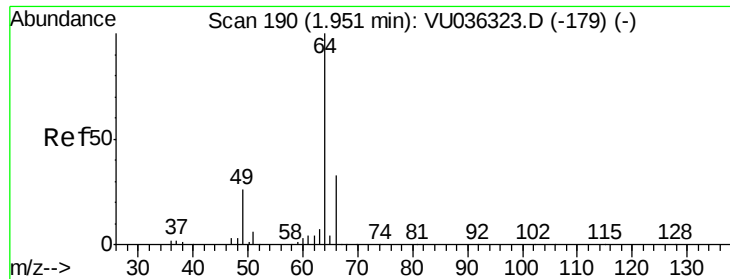
40000

20000

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Time-->

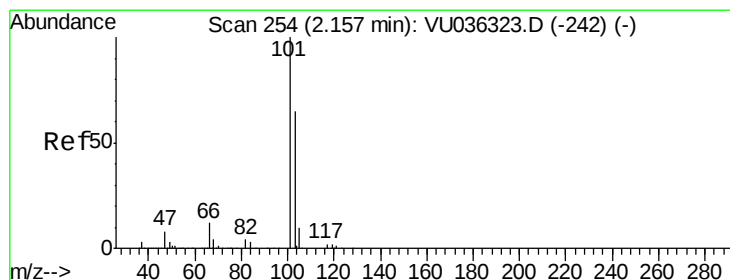
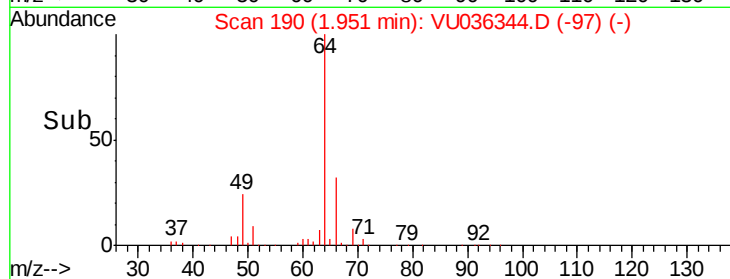
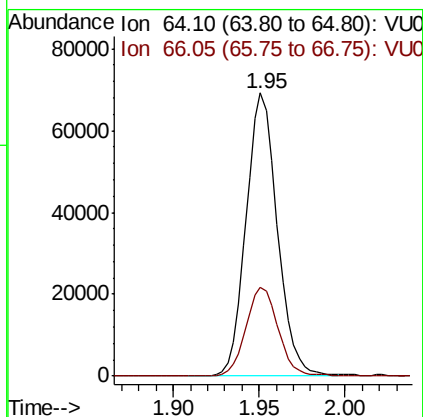
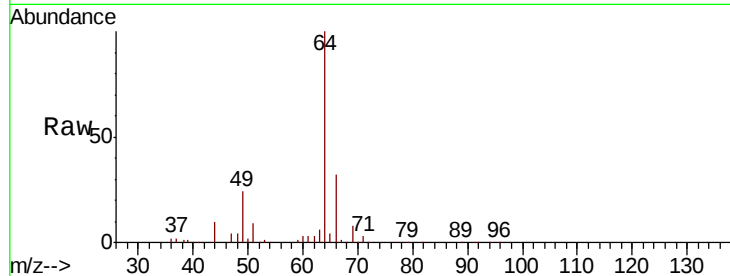




#8
Chloroethane
Concen: 3.990 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU036344.D
Acq: 26 Dec 2019 10:20

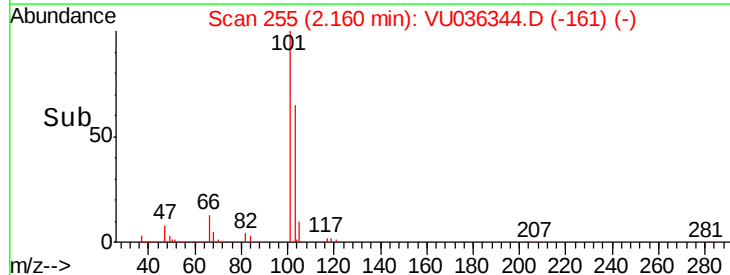
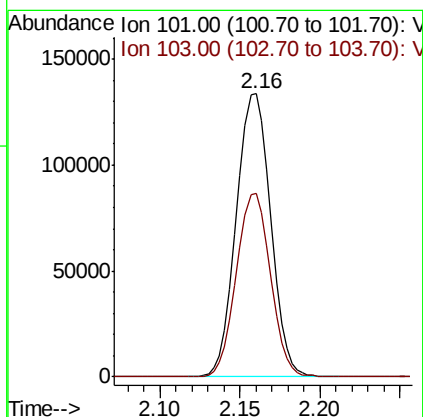
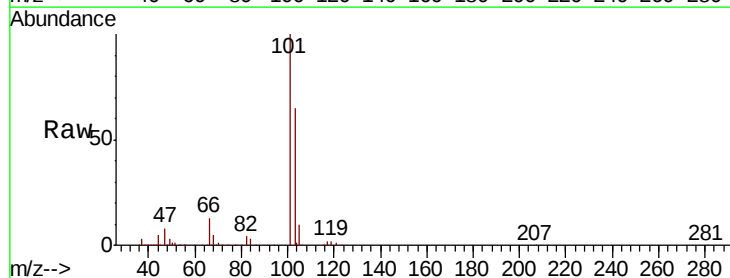
Instrument :
MSVOA_U
ClientSampleId :

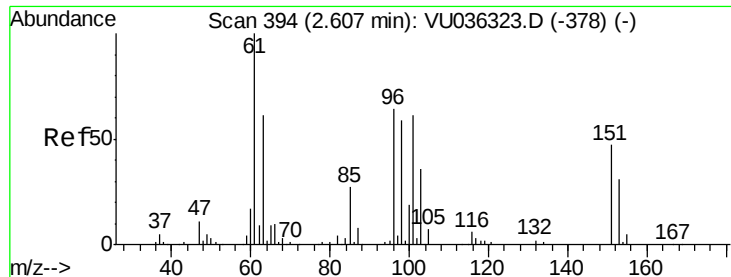
Tot Ion: 64 Resp: 87533
Ion Ratio Lower Upper
64 100
66 31.6 23.1 42.9



#9
Trichlorofluoromethane
Concen: 4.226 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU036344.D
Acq: 26 Dec 2019 10:20

Tgt Ion:101 Resp: 195633
Ion Ratio Lower Upper
101 100
103 64.2 50.4 75.6





#10

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

Concen: 4.518 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036344.D

Acq: 26 Dec 2019 10:20

Instrument :

MSVOA_U

ClientSampleId :

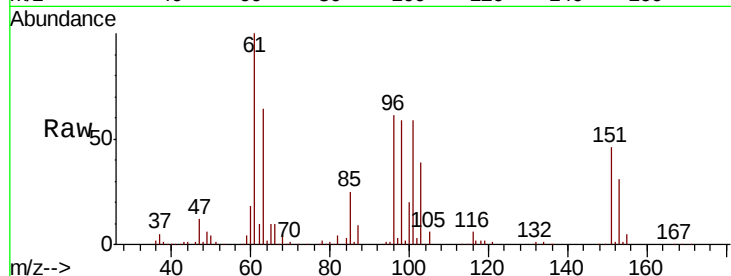
Tot Ion:101 Resp: 100209

Ion Ratio Lower Upper

101 100

85 43.9 35.0 52.6

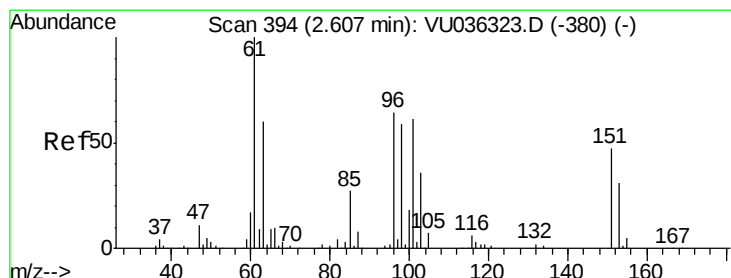
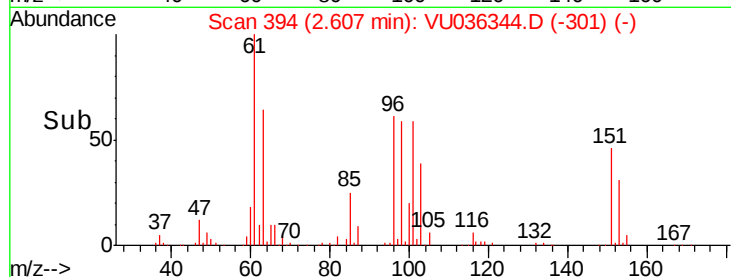
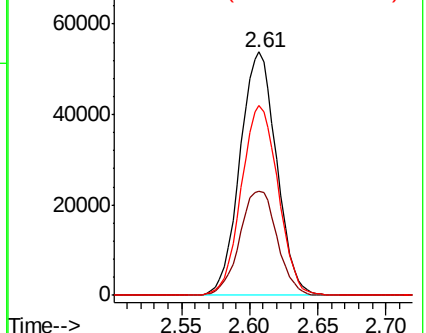
151 78.5 63.9 95.9



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: 4.443 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036344.D

Acq: 26 Dec 2019 10:20

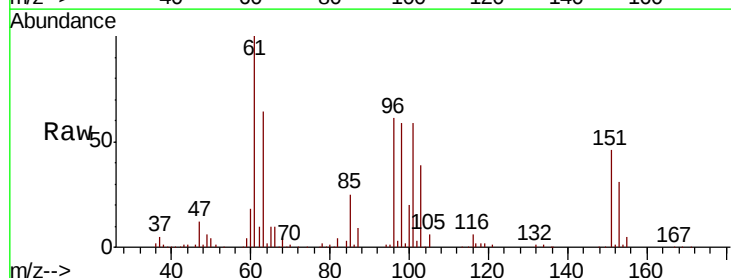
Tgt Ion: 96 Resp: 91117

Ion Ratio Lower Upper

96 100

61 165.2 114.0 211.8

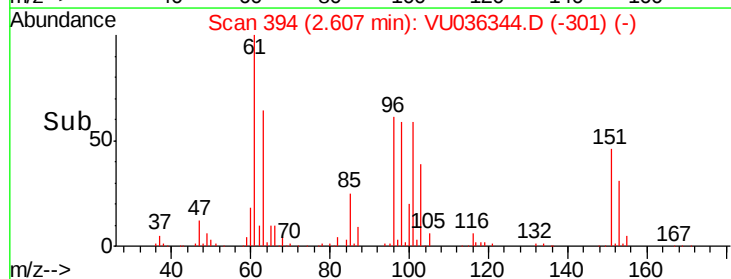
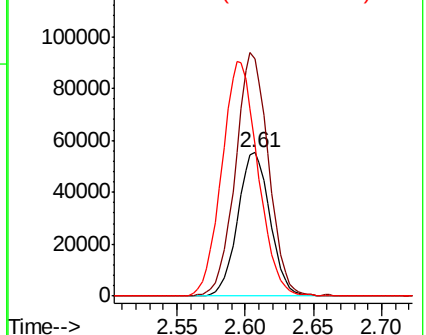
63 105.9 63.6 118.0

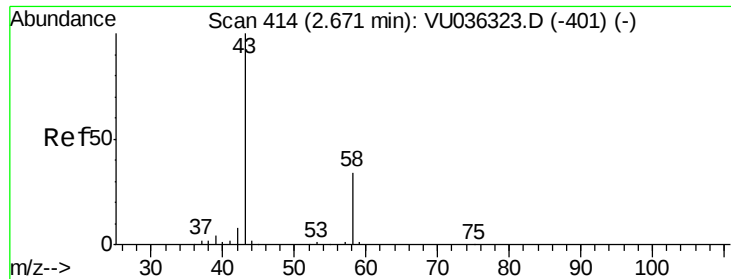


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 45.981 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU036344.D

Acq: 26 Dec 2019 10:20

Instrument :

MSVOA_U

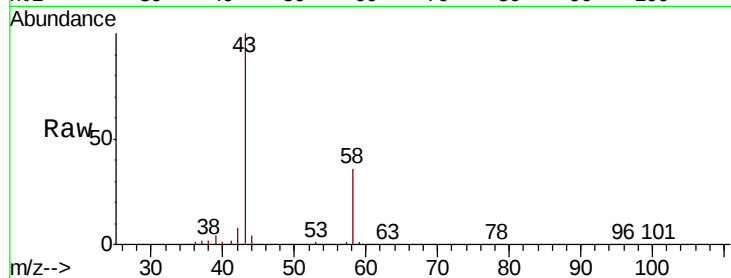
ClientSampleId :

Tot Ion: 43 Resp: 182780

Ion Ratio Lower Upper

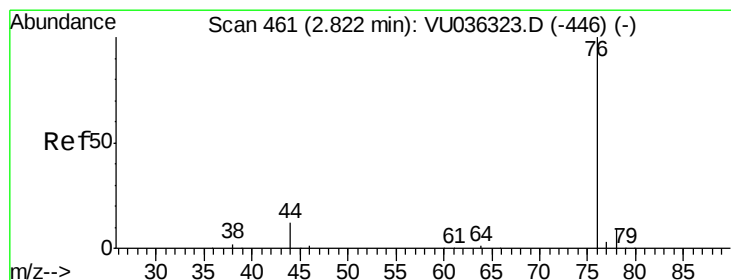
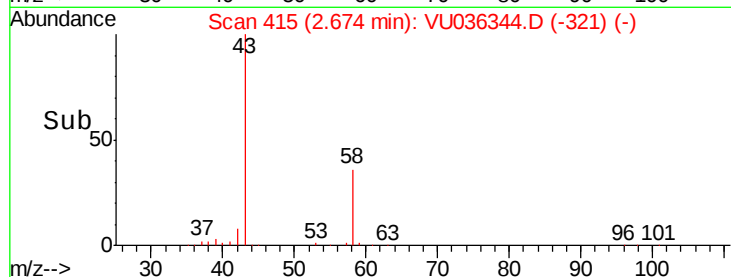
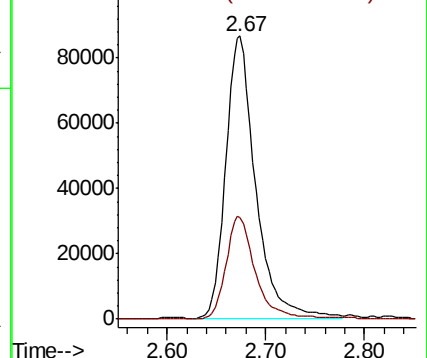
43 100

58 36.0 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036323.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU036323.D (-401) (-)



#14

Carbon disulfide

Concen: 4.253 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036344.D

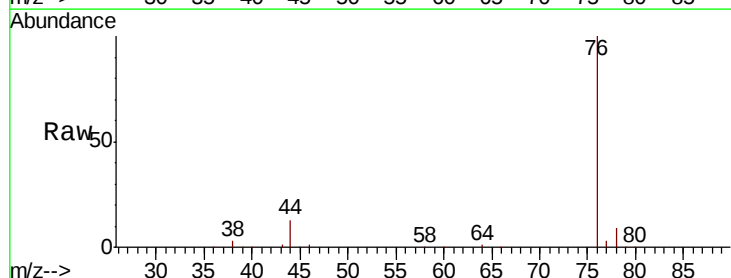
Acq: 26 Dec 2019 10:20

Tgt Ion: 76 Resp: 292667

Ion Ratio Lower Upper

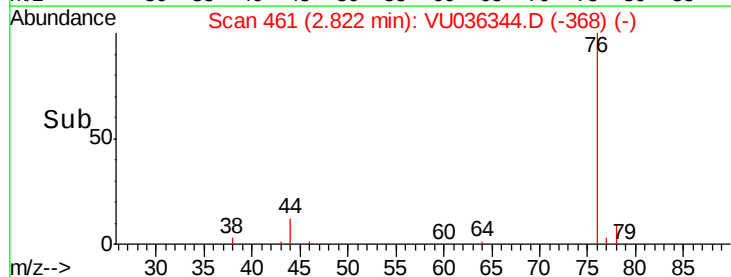
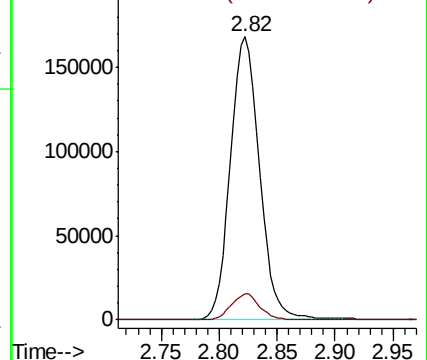
76 100

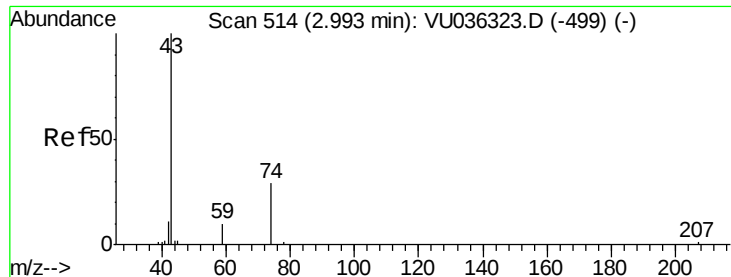
78 9.2 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU036323.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU036323.D (-446) (-)





#15

Methvl Acetate

Concen: 5.029 ug/L

RT: 2.99 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU036344.D

Acq: 26 Dec 2019 10:20

Instrument :

MSVOA_U

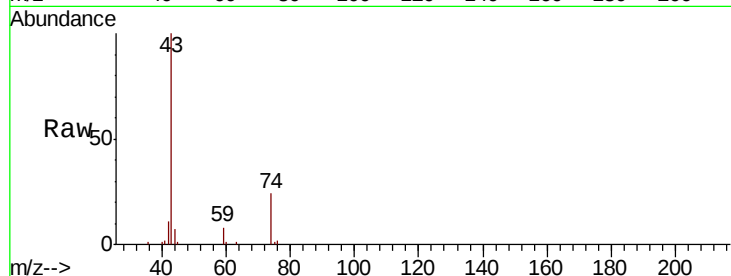
ClientSampled :

Tot Ion: 43 Resp: 40391

Ion Ratio Lower Upper

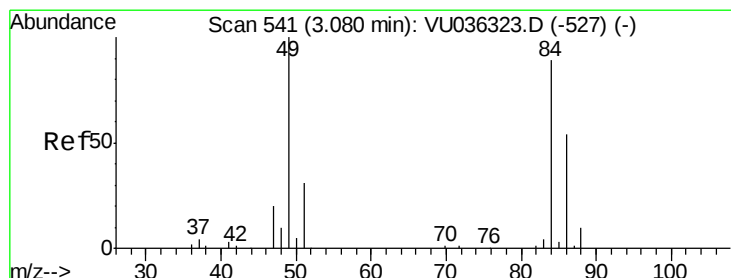
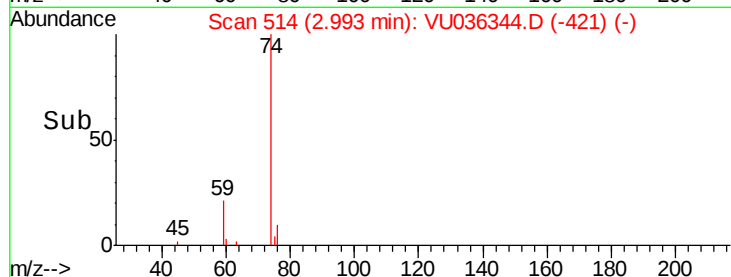
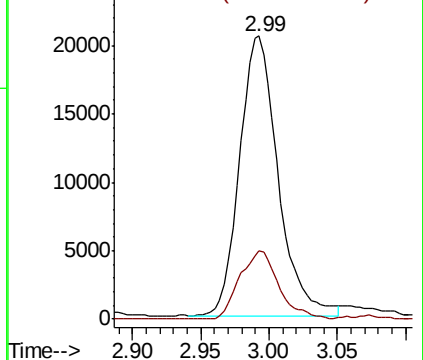
43 100

74 24.4 20.8 31.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 3.731 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036344.D

Acq: 26 Dec 2019 10:20

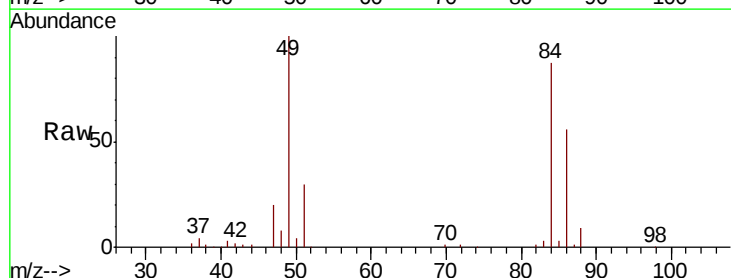
Tgt Ion: 84 Resp: 112483

Ion Ratio Lower Upper

84 100

86 64.5 43.0 79.8

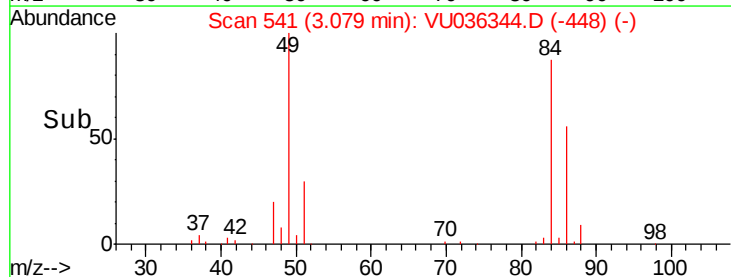
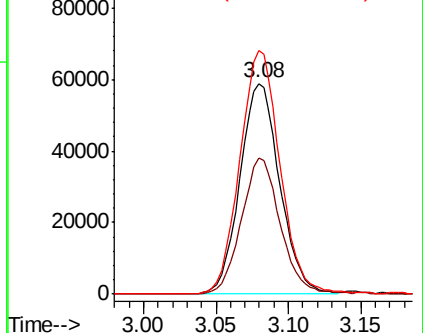
49 115.6 77.3 143.5

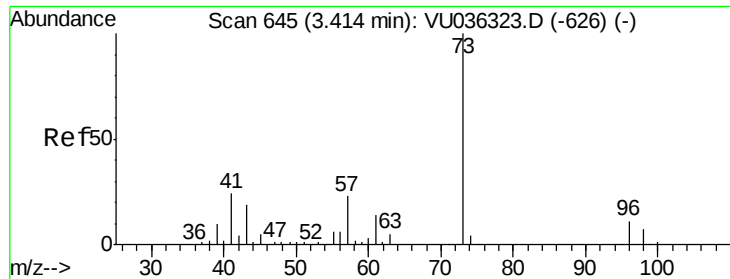


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

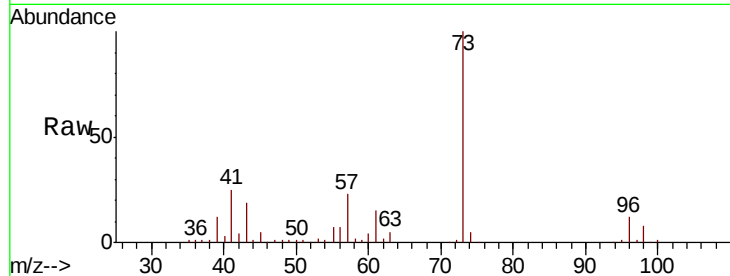




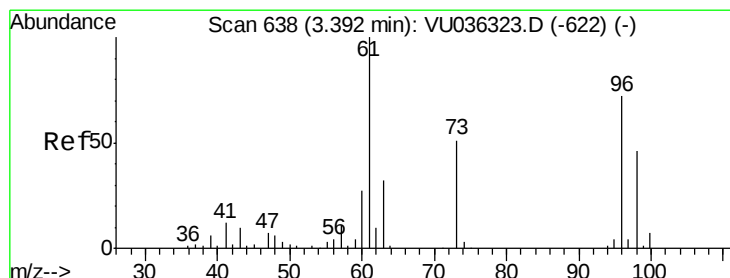
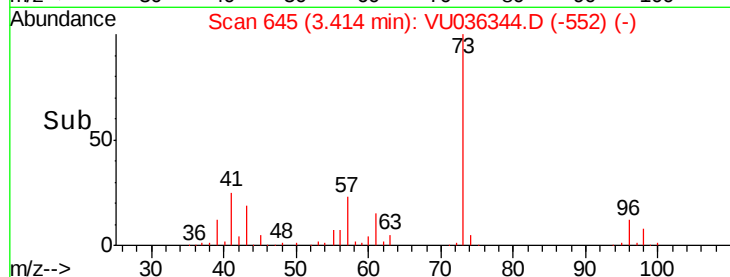
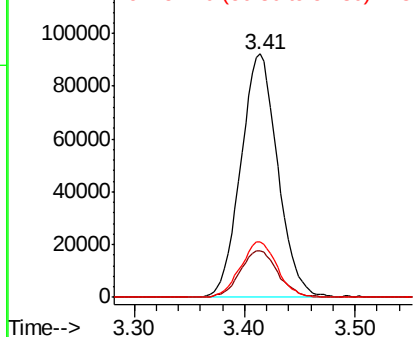
#17
Methvl tert-butvl Ether
Concen: 4.866 ug/L
RT: 3.41 min Scan# 645
Delta R.T. -0.00 min
Lab File: VU036344.D
Acq: 26 Dec 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 213907
Ion Ratio Lower Upper
73 100
43 19.8 15.3 22.9
57 22.7 18.2 27.2

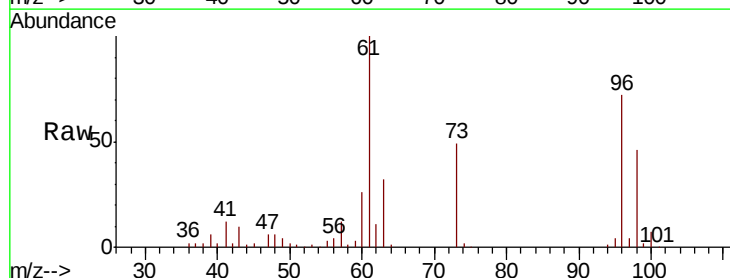


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

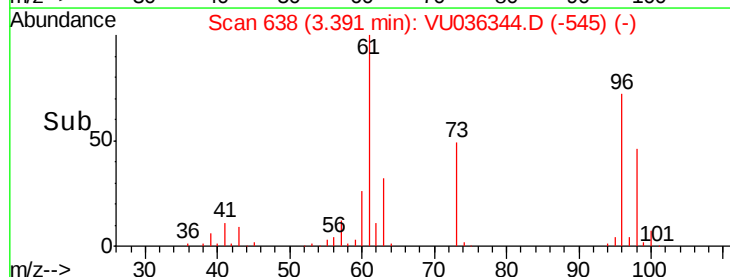
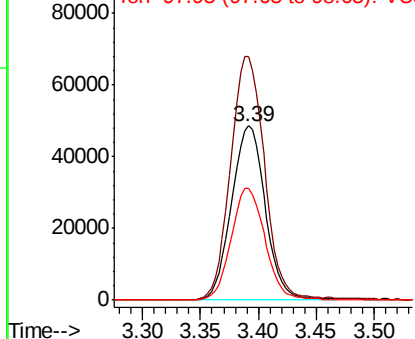


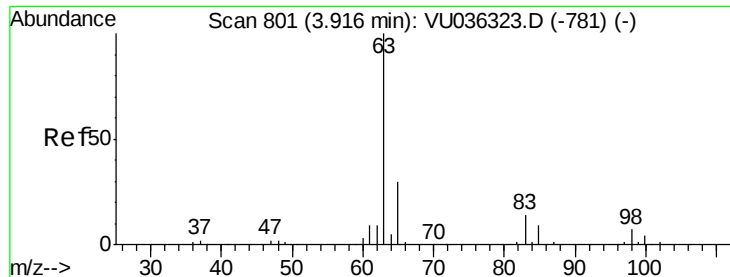
#18
trans-1,2-Dichloroethene
Concen: 4.583 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU036344.D
Acq: 26 Dec 2019 10:20

Tgt Ion: 96 Resp: 98451
Ion Ratio Lower Upper
96 100
61 139.5 94.8 176.2
98 64.2 46.8 86.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

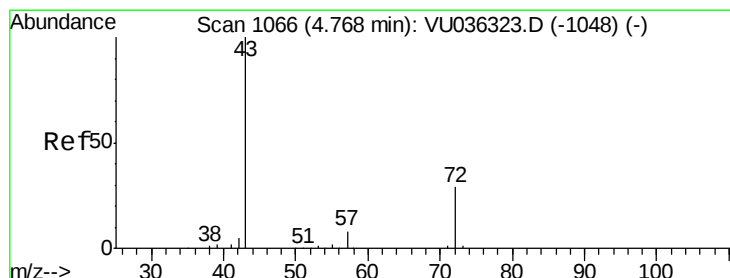
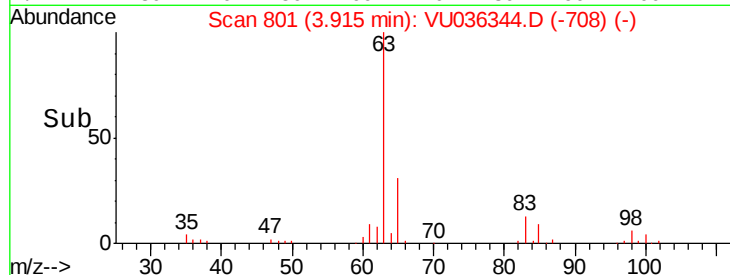
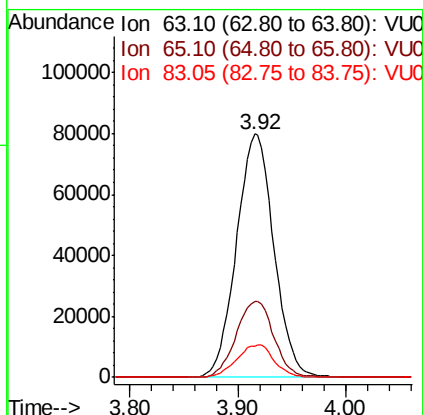
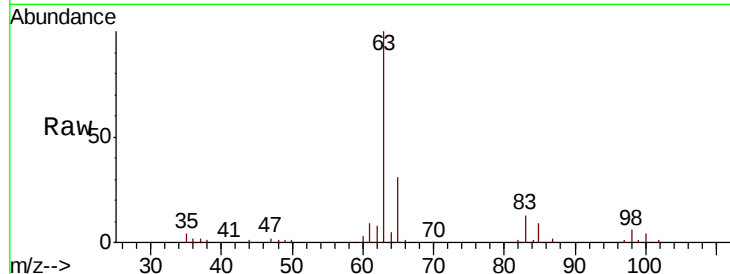




#19
 1,1-Dichloroethane
 Concen: 4.854 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VU036344.D
 Acq: 26 Dec 2019 10:20

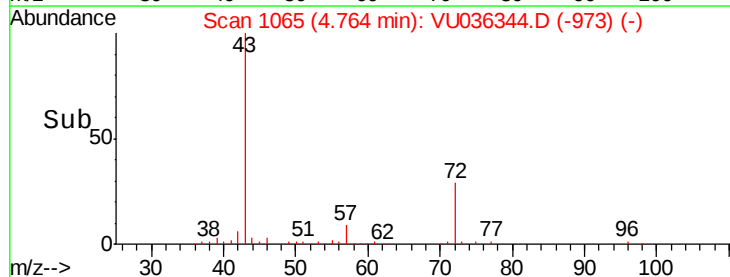
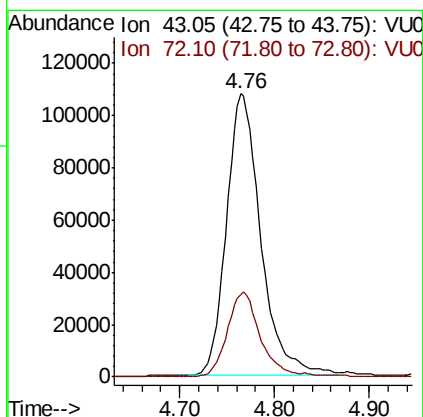
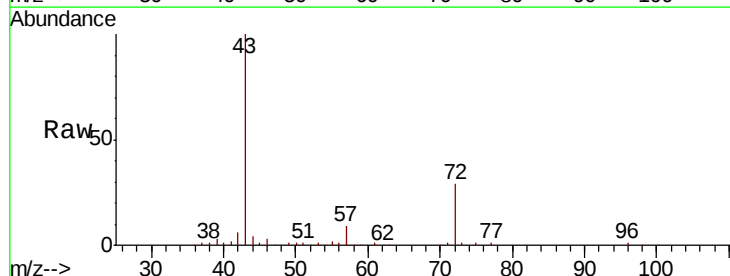
Instrument :
 MSVOA_U
 ClientSampled :

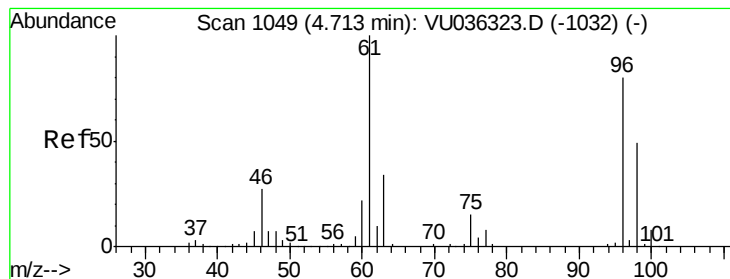
Tot Ion: 63 Resp: 192507
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.6 42.0
 83 12.9 9.7 18.1



#21
 2-Butanone
 Concen: 51.007 ug/L
 RT: 4.76 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VU036344.D
 Acq: 26 Dec 2019 10:20

Tgt Ion: 43 Resp: 270939
 Ion Ratio Lower Upper
 43 100
 72 28.7 14.4 43.4





#22

cis-1,2-Dichloroethene

Concen: 4.738 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036344.D

Acq: 26 Dec 2019 10:20

Instrument :

MSVOA_U

ClientSampleId :

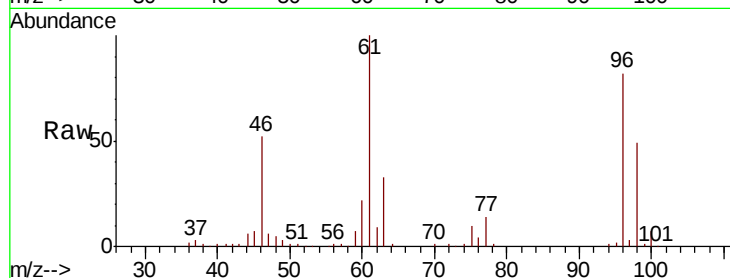
Tot Ion: 96 Resp: 109174

Ion Ratio Lower Upper

96 100

61 122.3 86.7 161.1

68 0.0 0.0 0.0

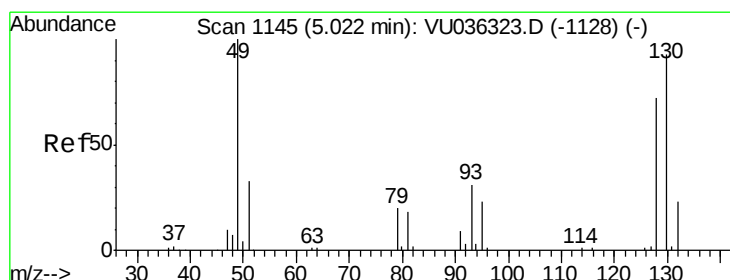
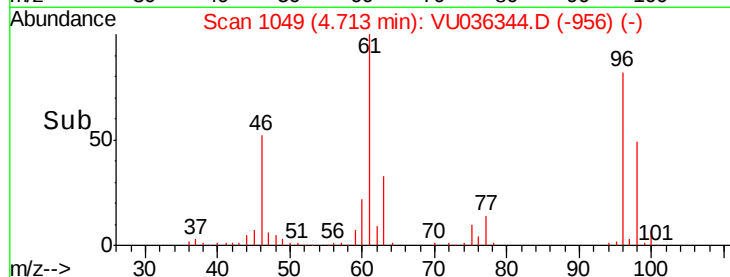
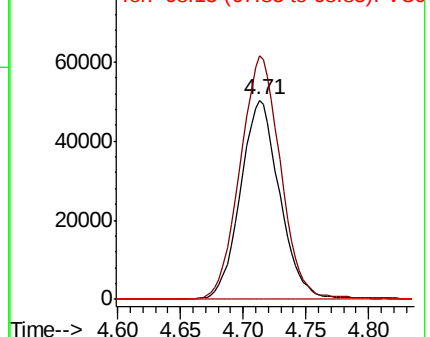


Abundance

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: 4.743 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VU036344.D

Acq: 26 Dec 2019 10:20

Tgt Ion: 128 Resp: 52874

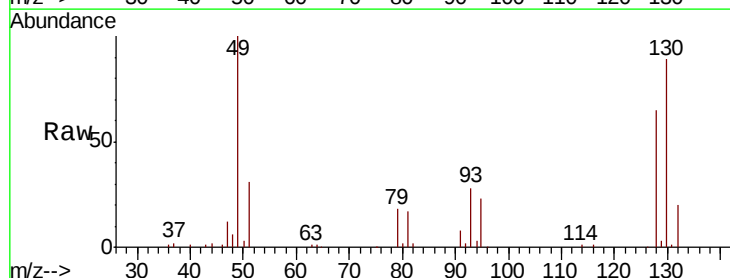
Ion Ratio Lower Upper

128 100

49 152.7 97.6 181.4

130 135.3 85.9 159.5

51 46.9 37.0 55.4



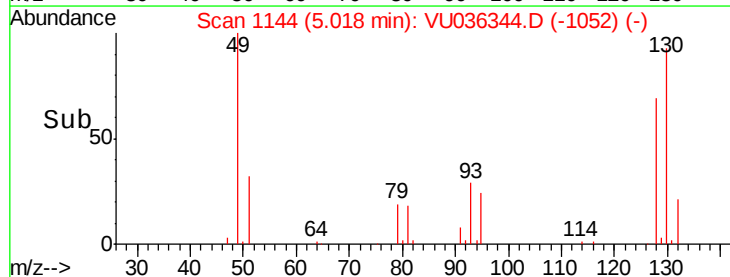
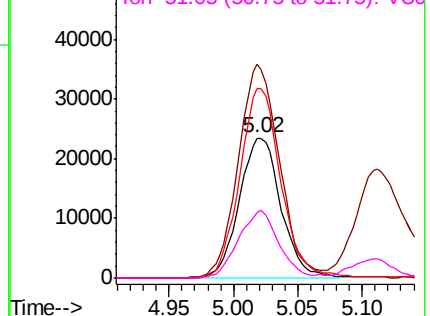
Abundance

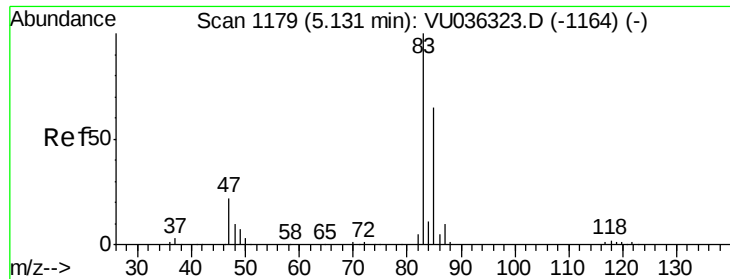
Ion 127.90 (127.60 to 128.60): V

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

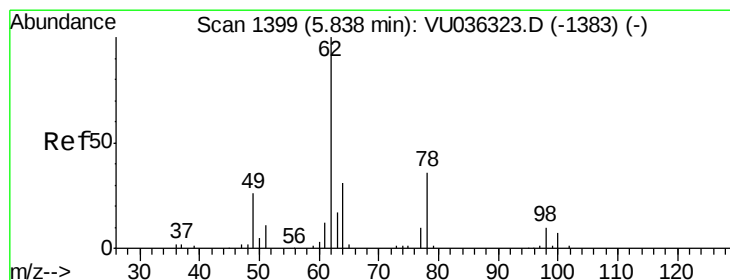
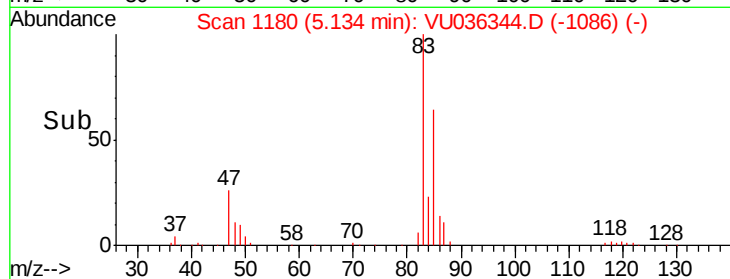
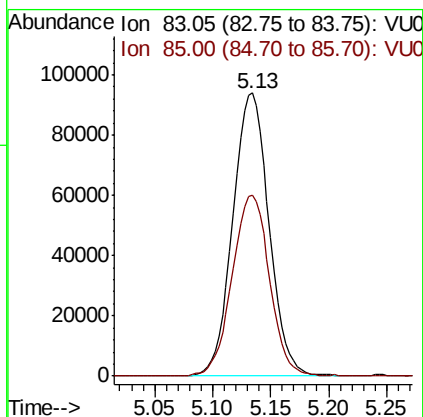
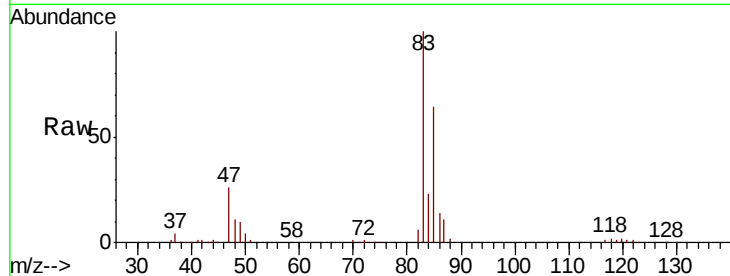




#25
Chloroform
Concen: 4.749 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036344.D
Acq: 26 Dec 2019 10:20

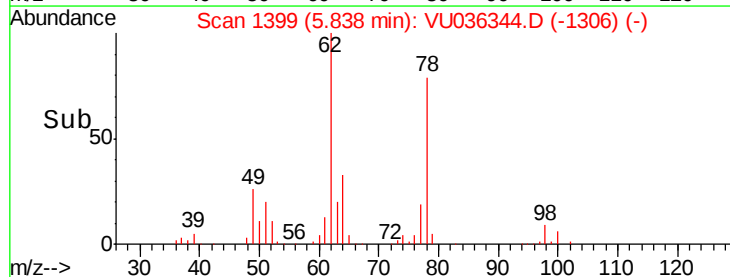
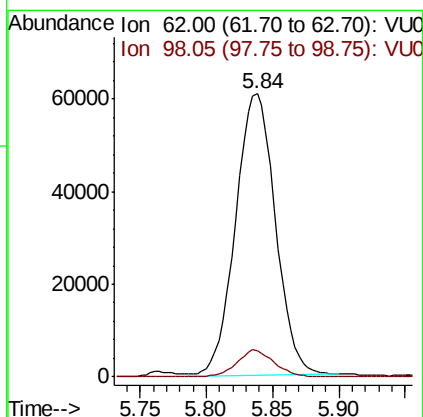
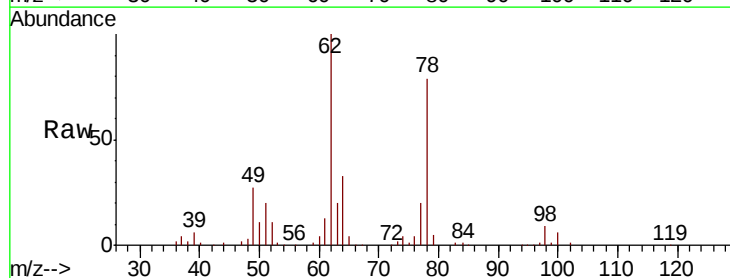
Instrument :
MSVOA_U
ClientSampleId :

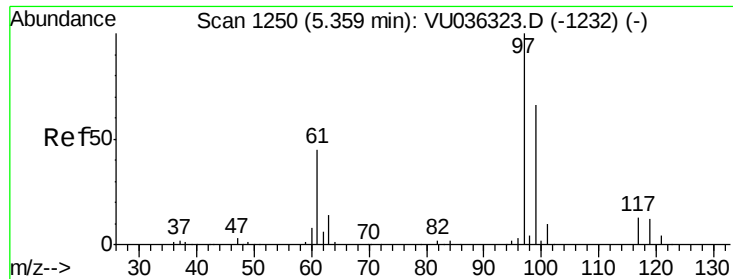
Tot Ion: 83 Resp: 203729
Ion Ratio Lower Upper
83 100
85 63.8 47.5 88.1



#27
1,2-Dichloroethane
Concen: 5.009 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036344.D
Acq: 26 Dec 2019 10:20

Tgt Ion: 62 Resp: 127452
Ion Ratio Lower Upper
62 100
98 9.3 7.3 10.9

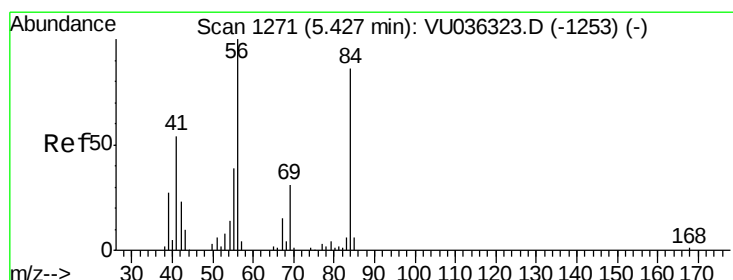
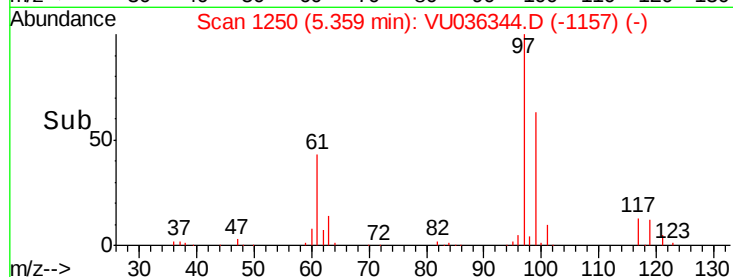
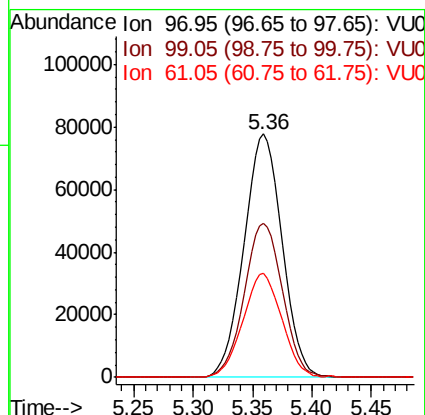
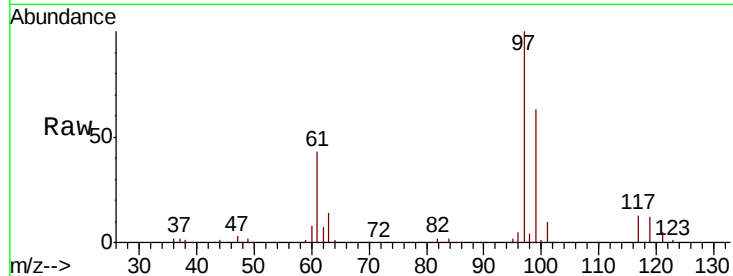




#29
 1,1,1-Trichloroethane
 Concen: 4.800 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU036344.D
 Acq: 26 Dec 2019 10:20

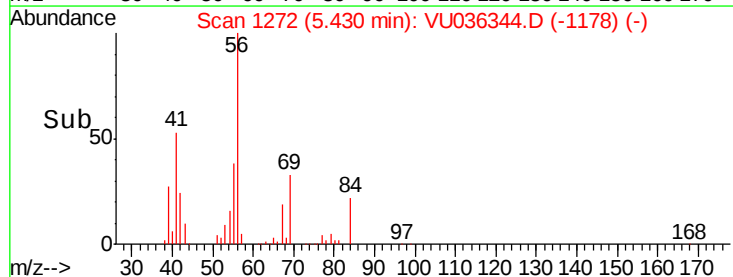
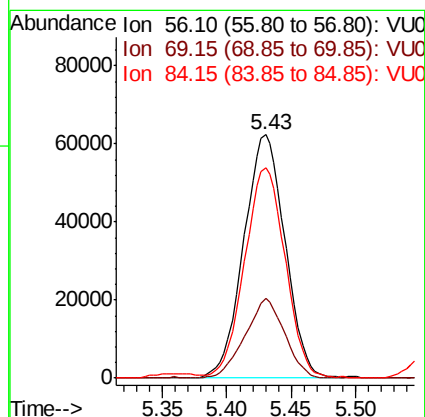
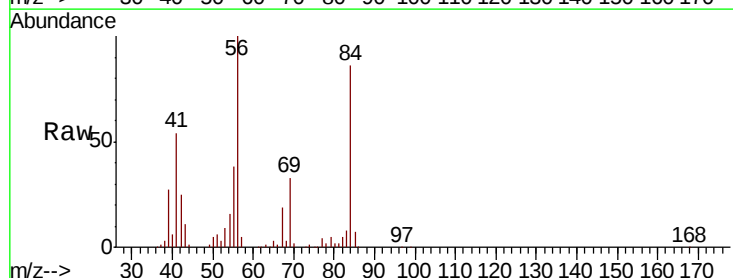
Instrument :
 MSVOA_U
 ClientSampled :

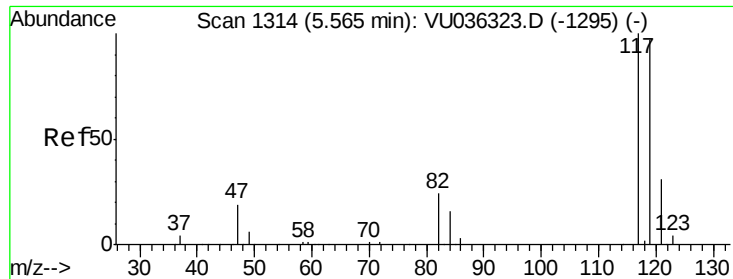
Tot Ion: 97 Resp: 172930
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.4 77.2
 61 43.4 35.0 52.6



#30
 Cyclohexane
 Concen: 4.529 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU036344.D
 Acq: 26 Dec 2019 10:20

Tgt Ion: 56 Resp: 138818
 Ion Ratio Lower Upper
 56 100
 69 31.4 25.6 38.4
 84 85.7 73.0 109.4





#31

Carbon tetrachloride

Concen: 4.626 ug/L

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036344.D

Acq: 26 Dec 2019 10:20

Instrument :

MSVOA_U

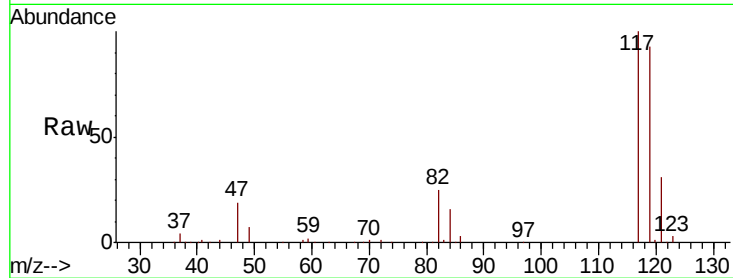
ClientSampled :

Tot Ion:117 Resp: 151951

Ion Ratio Lower Upper

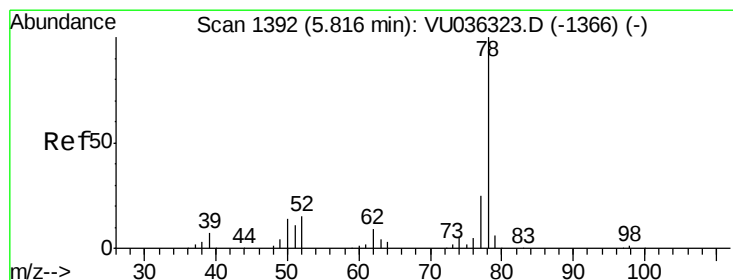
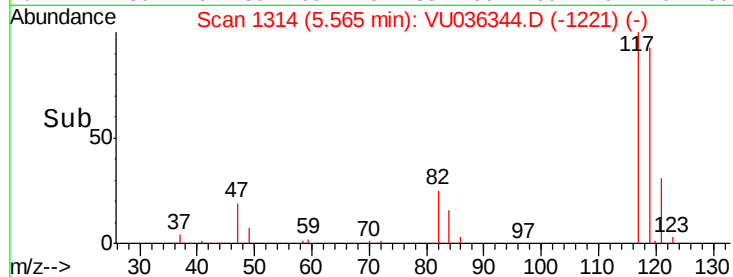
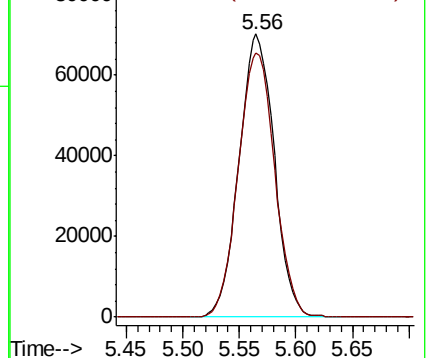
117 100

119 97.0 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.880 ug/L

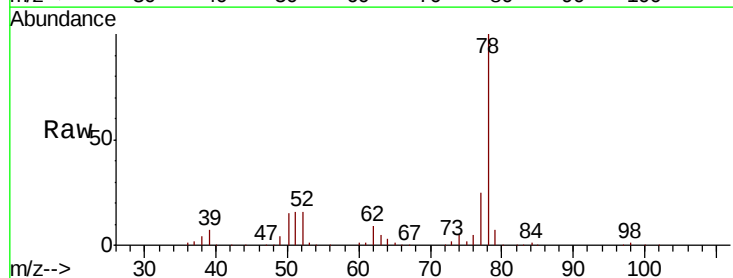
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

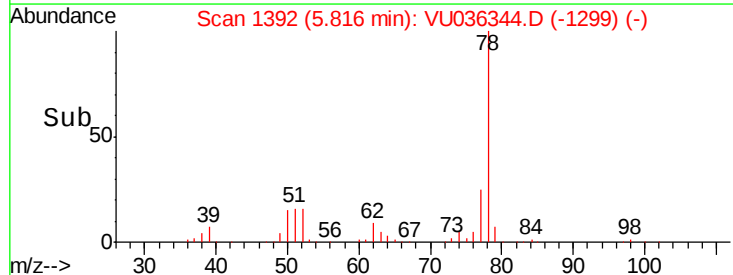
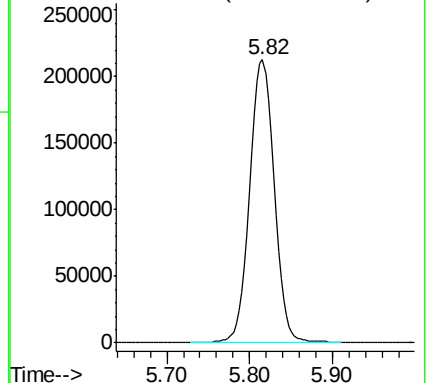
Lab File: VU036344.D

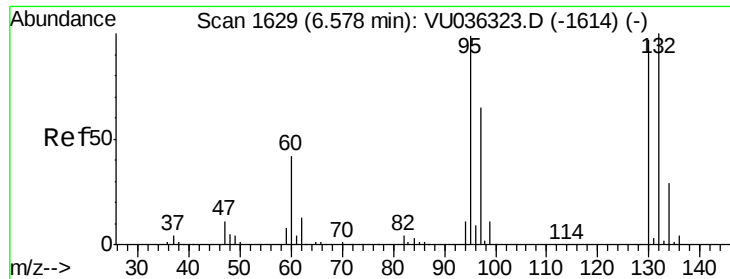
Acq: 26 Dec 2019 10:20

Tgt Ion: 78 Resp: 438907



Abundance Ion 78.10 (77.80 to 78.80): VU0

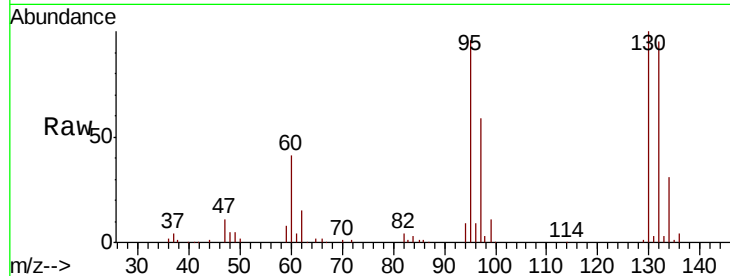




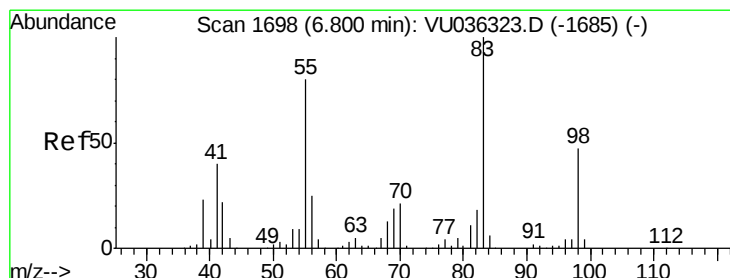
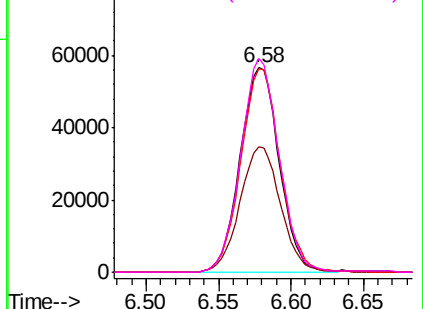
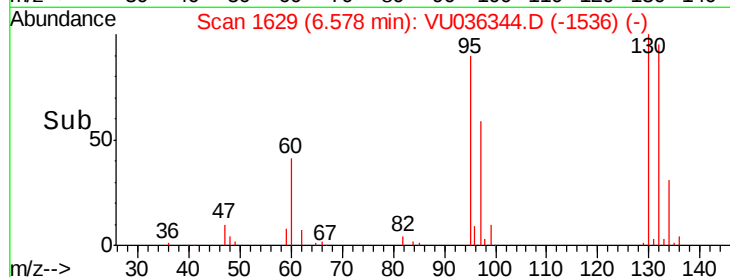
#34
 Trichloroethene
 Concen: 4.596 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VU036344.D
 Acq: 26 Dec 2019 10:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 106565
 Ion Ratio Lower Upper
 95 100
 97 61.6 43.6 81.0
 132 99.7 69.6 129.2
 130 104.4 70.3 130.7

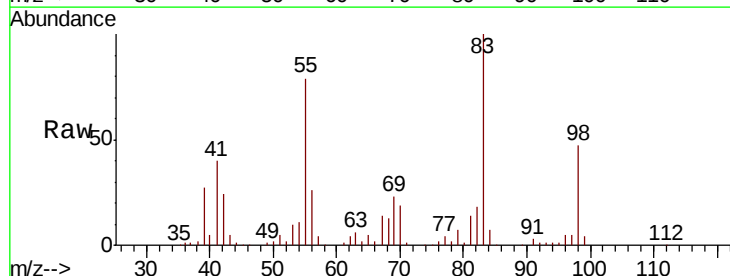


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

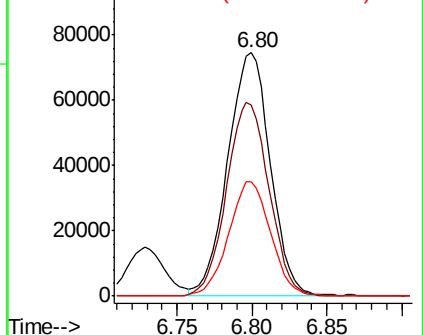
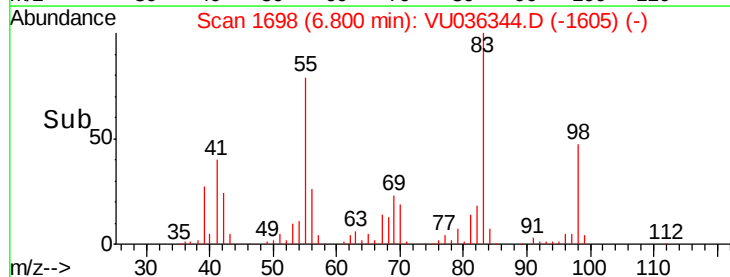


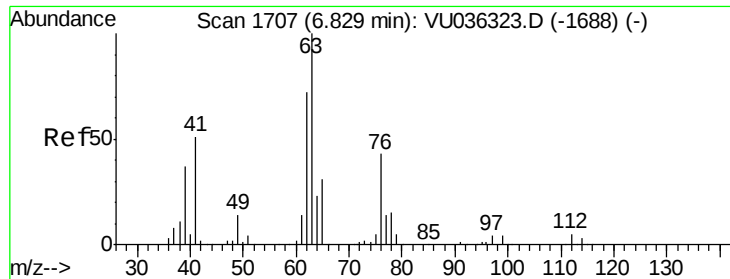
#35
 Methylcyclohexane
 Concen: 4.454 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU036344.D
 Acq: 26 Dec 2019 10:20

Tgt Ion: 83 Resp: 146835
 Ion Ratio Lower Upper
 83 100
 55 80.2 62.6 94.0
 98 46.7 36.2 54.2



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

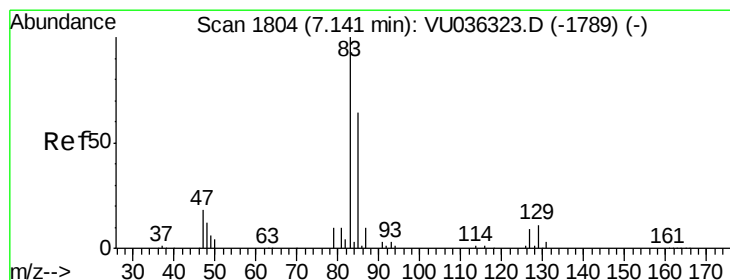
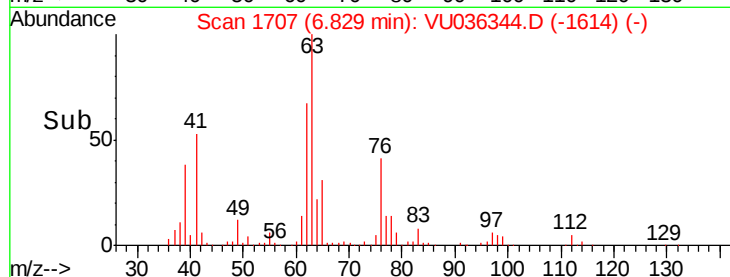
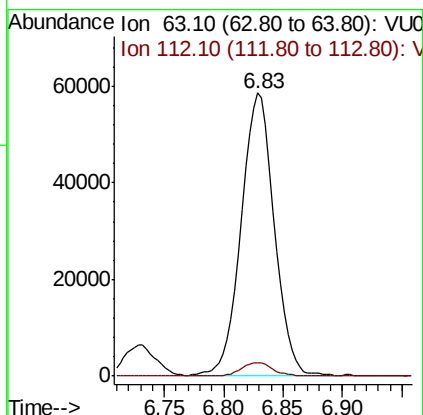
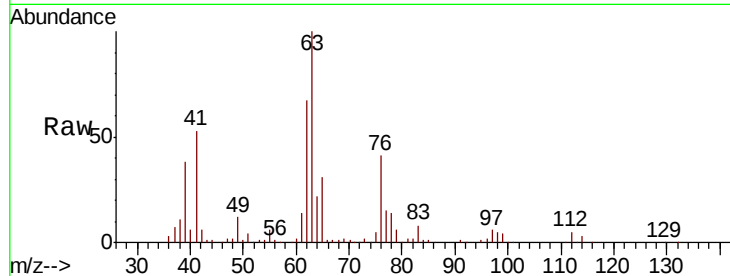




#37
 1,2-Dichloropropane
 Concen: 4.891 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036344.D
 Acq: 26 Dec 2019 10:20

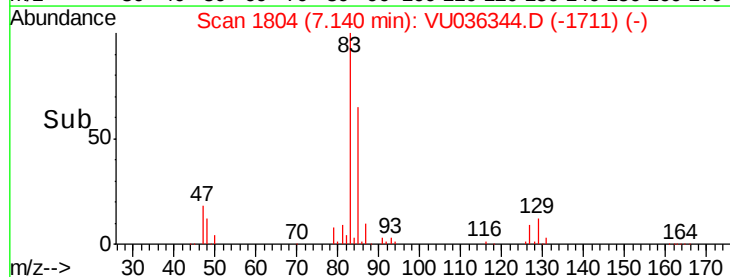
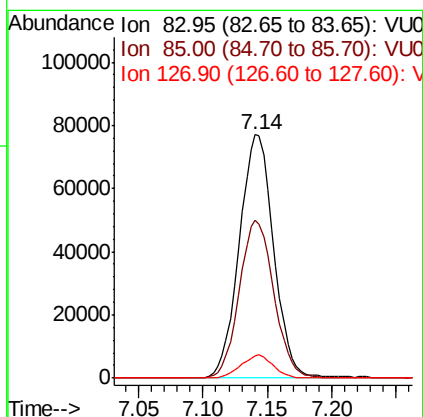
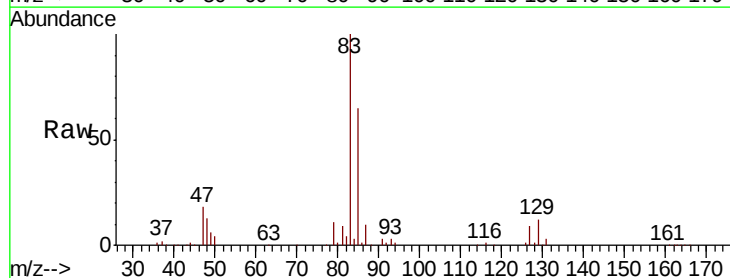
Instrument :
 MSVOA_U
 ClientSampleId :

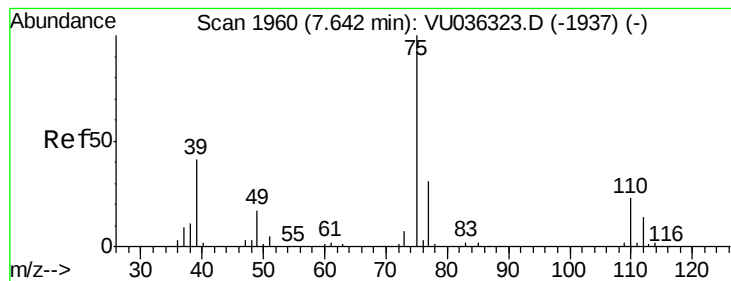
Tot Ion: 63 Resp: 112217
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.8



#38
 Bromodichloromethane
 Concen: 4.788 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036344.D
 Acq: 26 Dec 2019 10:20

Tgt Ion: 83 Resp: 142962
 Ion Ratio Lower Upper
 83 100
 85 64.9 45.6 84.6
 127 9.3 7.1 10.7



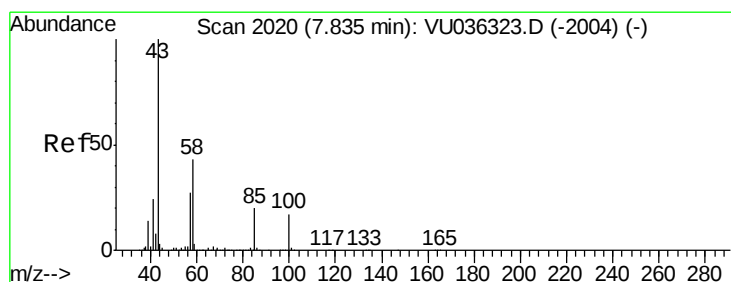
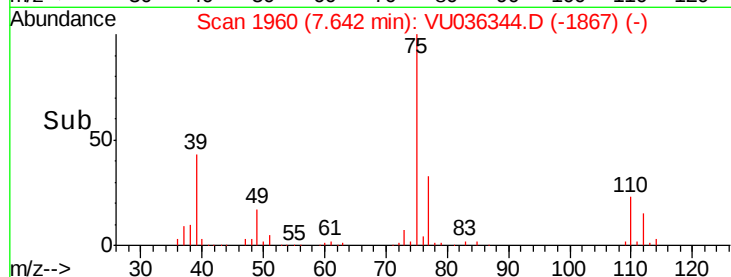
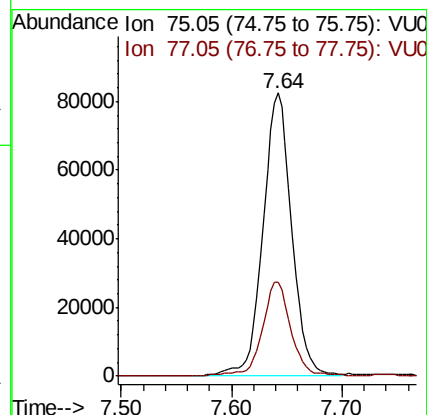
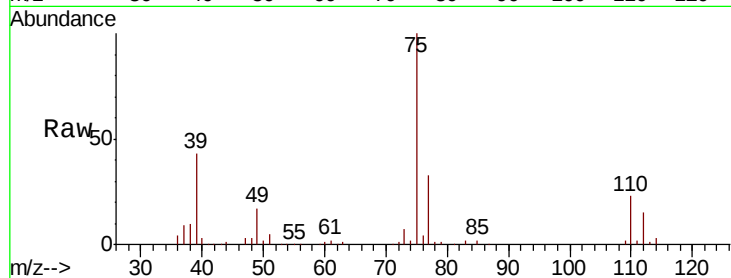


#39

cis-1,3-Dichloropropene
Concen: 4.765 ug/L
RT: 7.64 min Scan# 1960
Delta R.T. -0.00 min
Lab File: VU036344.D
Acq: 26 Dec 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :

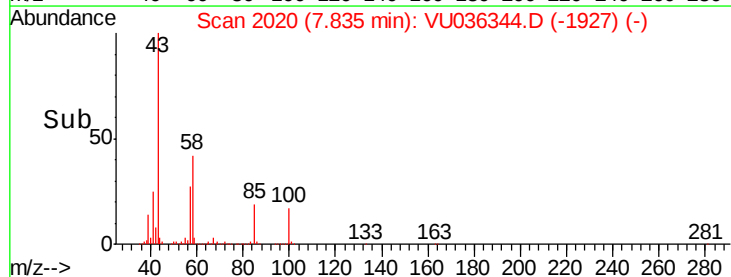
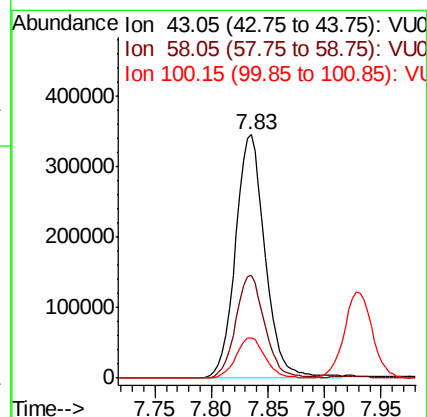
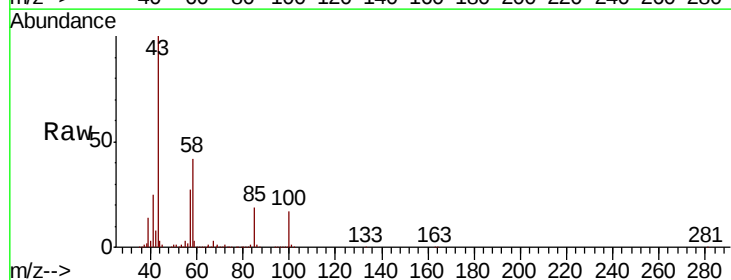
Tot Ion: 75 Resp: 148962
Ion Ratio Lower Upper
75 100
77 33.2 22.7 42.1

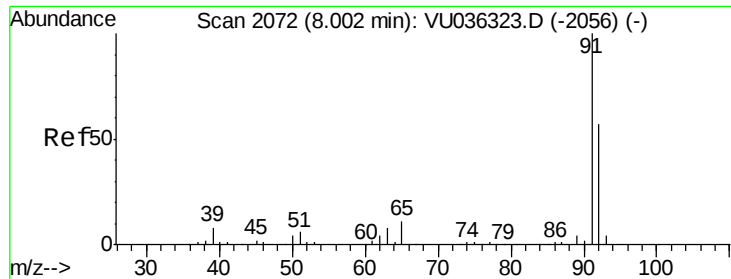


#40

4-Methyl-2-pentanone
Concen: 52.526 ug/L
RT: 7.83 min Scan# 2020
Delta R.T. -0.00 min
Lab File: VU036344.D
Acq: 26 Dec 2019 10:20

Tgt Ion: 43 Resp: 630365
Ion Ratio Lower Upper
43 100
58 41.5 33.3 49.9
100 16.4 13.7 20.5





#42

Toluene

Concen: 4.876 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036344.D

Acq: 26 Dec 2019 10:20

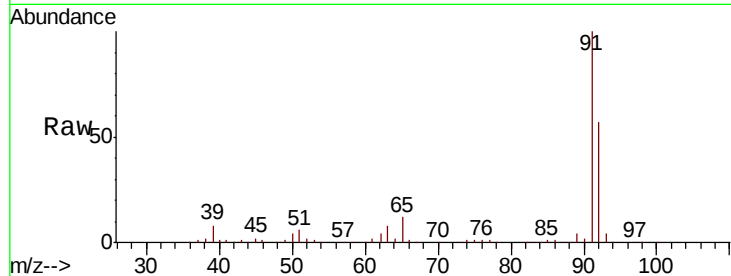
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 470047

Ion Ratio Lower Upper

91 100

92 57.1 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU036323.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU036323.D (-2056) (-)

8.00

300000

250000

200000

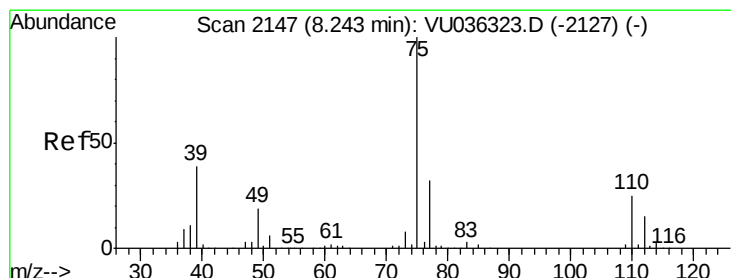
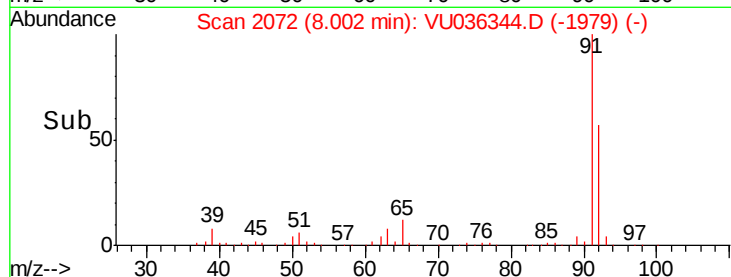
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.937 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036344.D

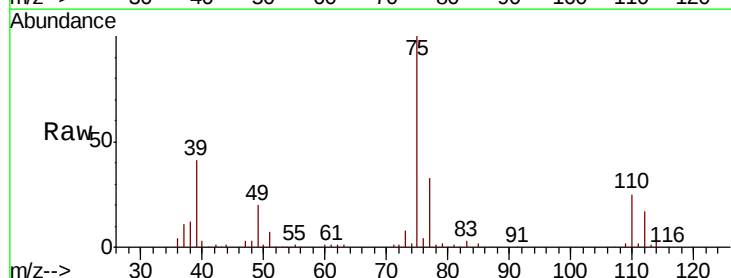
Acq: 26 Dec 2019 10:20

Tgt Ion: 75 Resp: 129644

Ion Ratio Lower Upper

75 100

77 33.1 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU036323.D (-2127) (-)

Ion 77.05 (76.75 to 77.75): VU036323.D (-2127) (-)

8.24

80000

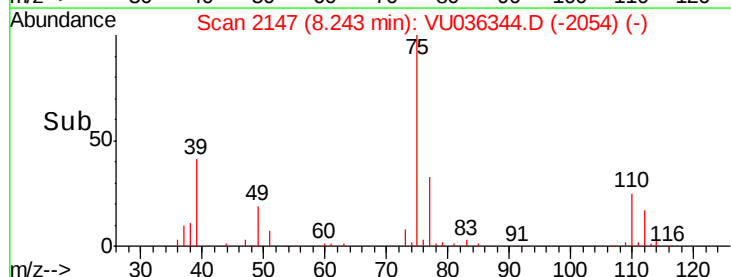
60000

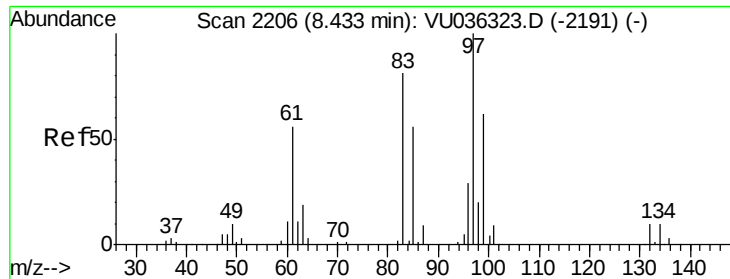
40000

20000

0

Time-->

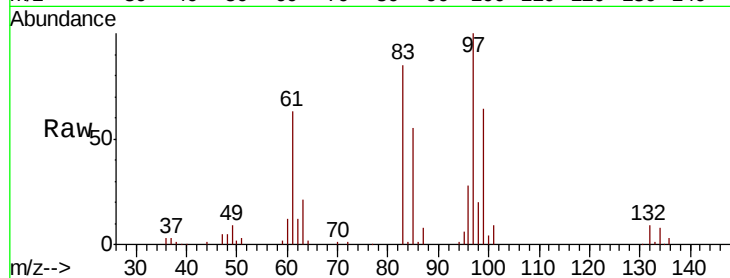




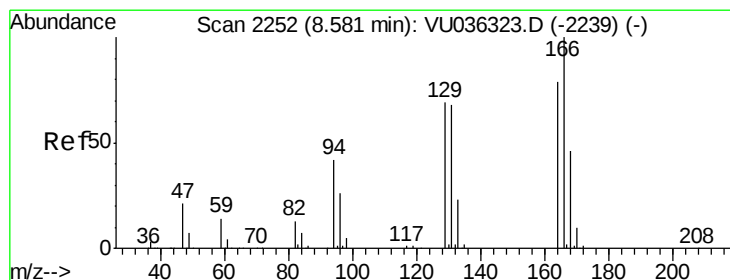
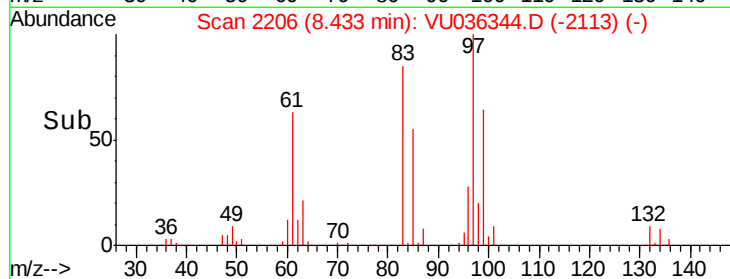
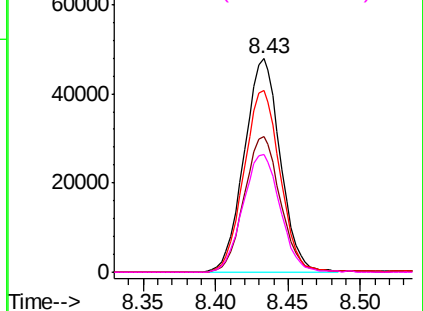
#45
1,1,2-Trichloroethane
Concen: 4.841 ug/L
RT: 8.43 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VU036344.D
Acq: 26 Dec 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	83233
Ion	Ratio	Lower	Upper
97	100		
99	63.6	46.1	85.5
83	85.4	65.9	122.3
85	54.9	43.1	80.1

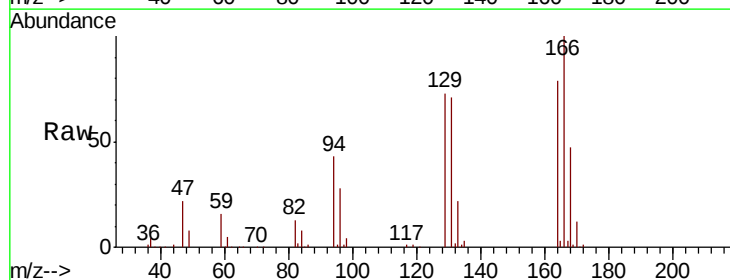


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

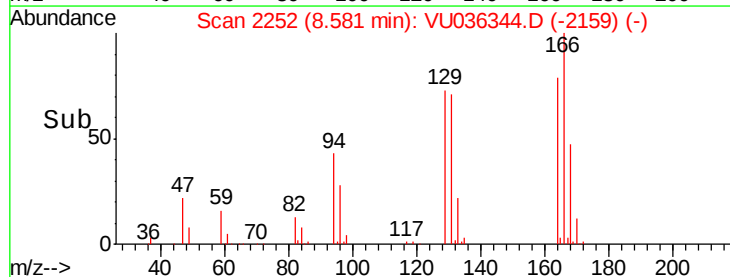
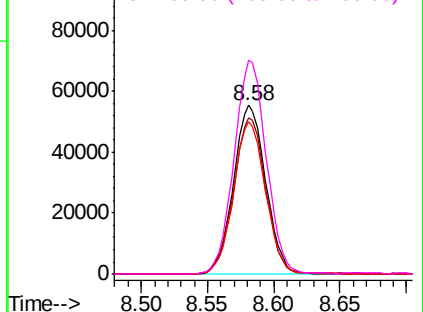


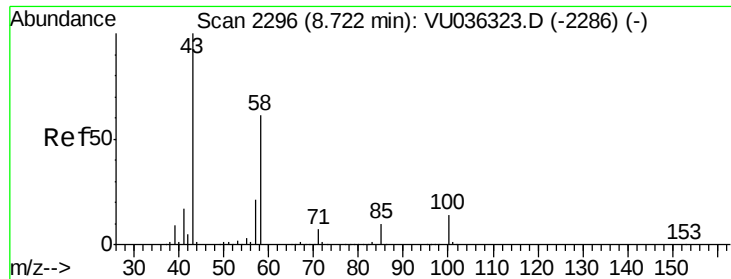
#47
Tetrachloroethene
Concen: 4.462 ug/L
RT: 8.58 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VU036344.D
Acq: 26 Dec 2019 10:20

Tgt Ion:	164	Resp:	93432
Ion	Ratio	Lower	Upper
164	100		
129	92.9	64.2	119.2
131	90.3	66.6	123.8
166	126.8	93.1	172.9



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

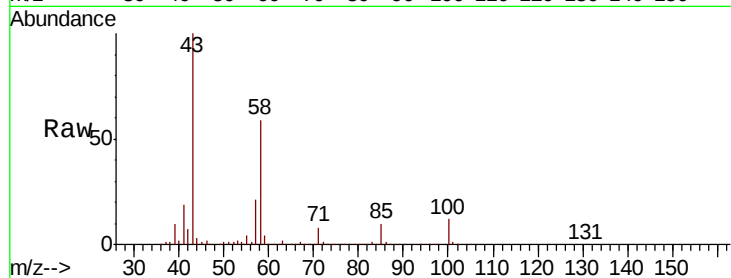




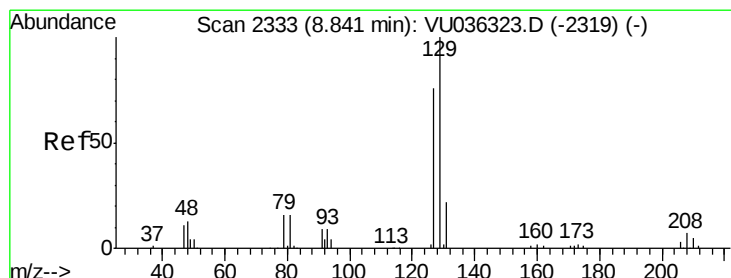
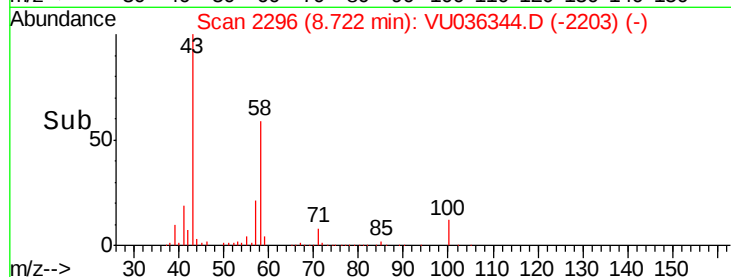
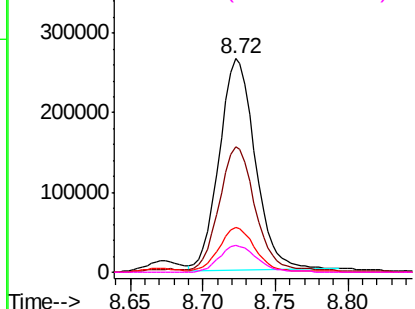
#48
2-Hexanone
Concen: 51.119 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU036344.D
Acq: 26 Dec 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 457835
Ion Ratio Lower Upper
43 100
58 61.3 46.2 69.2
57 21.5 16.2 24.4
100 13.2 10.2 15.4

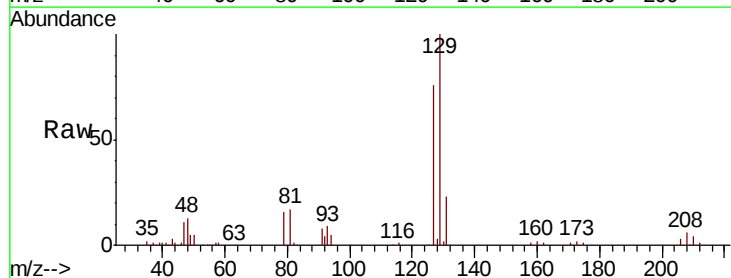


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

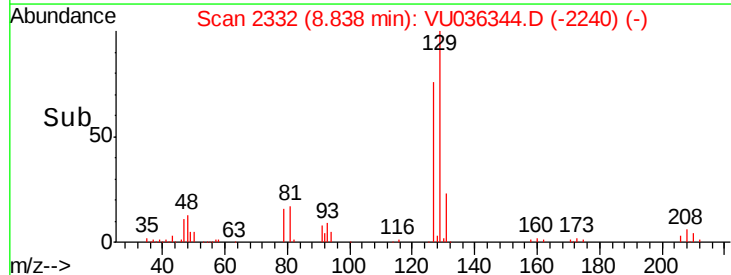
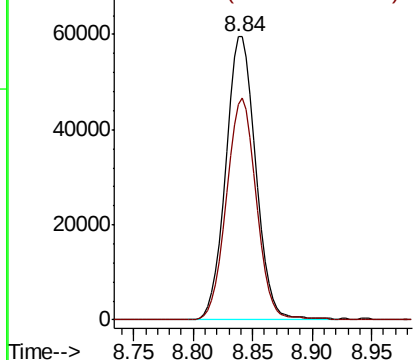


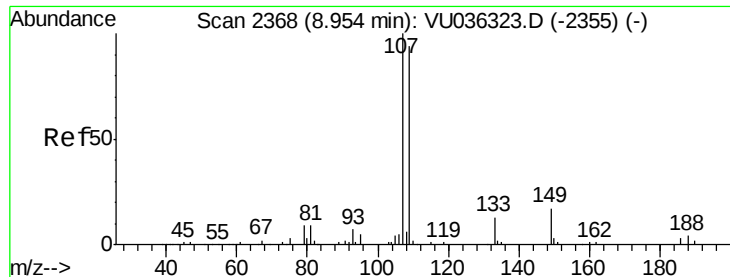
#49
Dibromochloromethane
Concen: 4.905 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. -0.00 min
Lab File: VU036344.D
Acq: 26 Dec 2019 10:20

Tgt Ion: 129 Resp: 104226
Ion Ratio Lower Upper
129 100
127 76.3 52.6 97.6



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

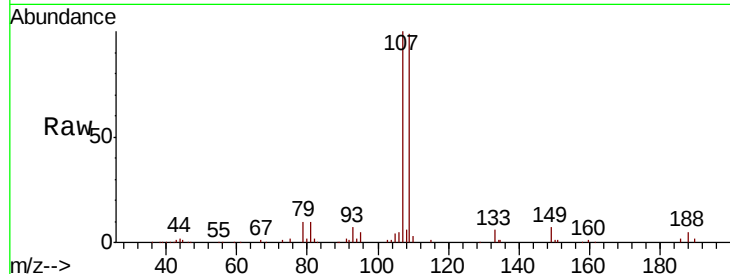




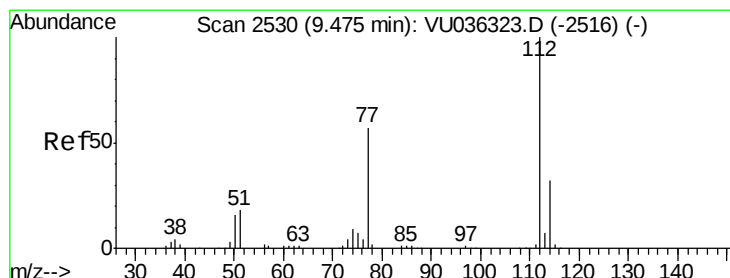
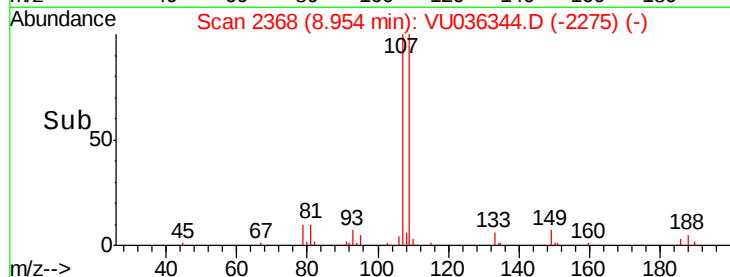
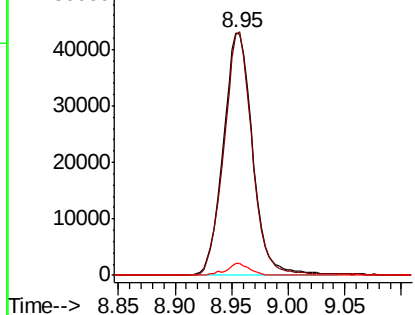
#50
1,2-Dibromoethane
Concen: 4.731 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VU036344.D
Acq: 26 Dec 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 77570
Ion Ratio Lower Upper
107 100
109 99.4 67.5 125.4
188 4.7 3.1 4.7#

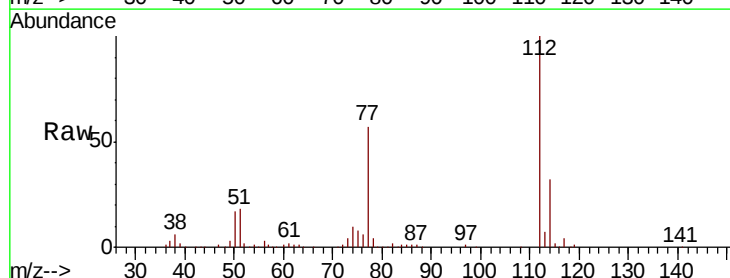


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

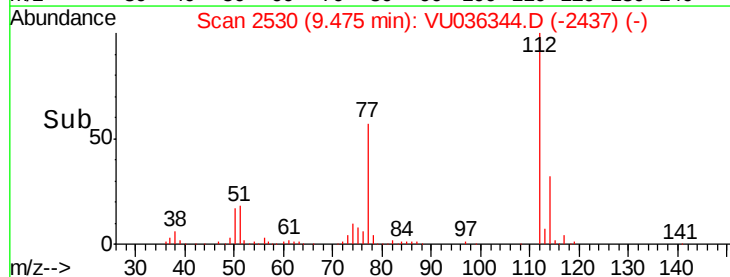
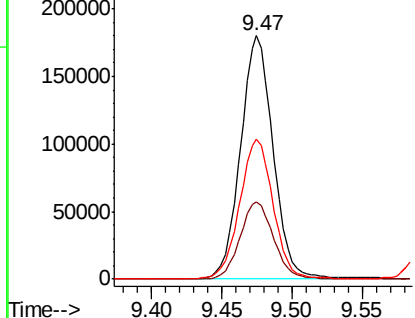


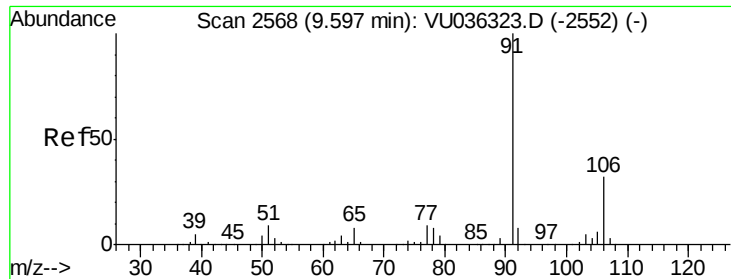
#51
Chlorobenzene
Concen: 4.585 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036344.D
Acq: 26 Dec 2019 10:20

Tgt Ion:112 Resp: 291859
Ion Ratio Lower Upper
112 100
114 31.8 23.2 43.2
77 57.5 46.5 69.7



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): VU

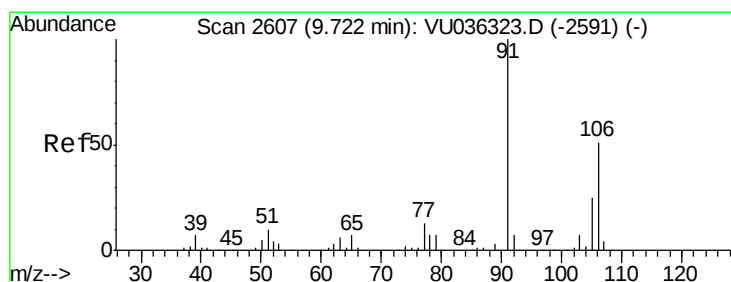
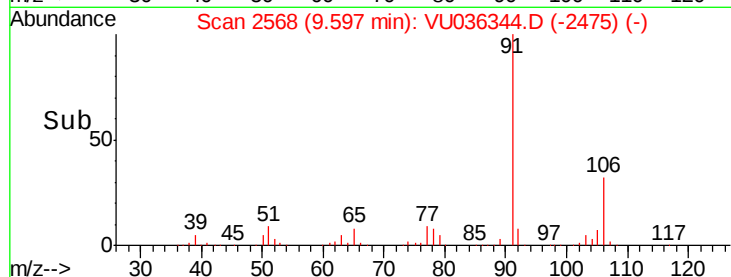
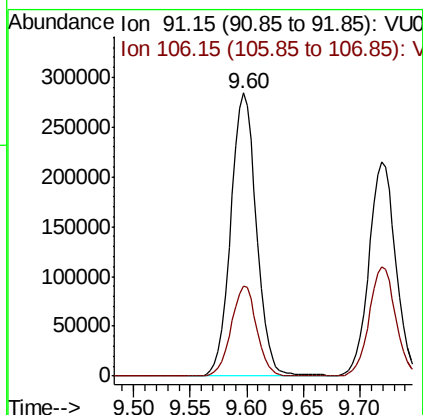
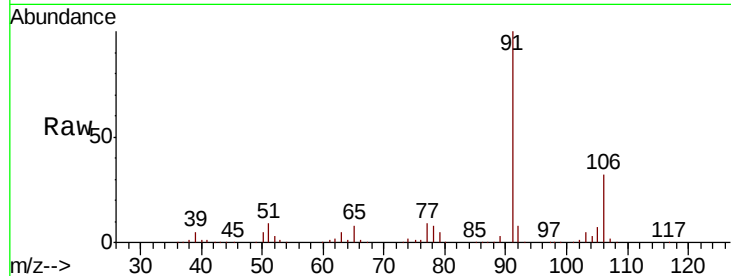




#52
Ethylbenzene
Concen: 4.650 ug/L
RT: 9.60 min Scan# 2568
Delta R.T. -0.00 min
Lab File: VU036344.D
Acq: 26 Dec 2019 10:20

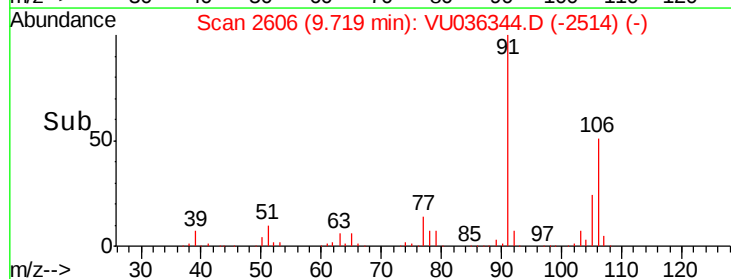
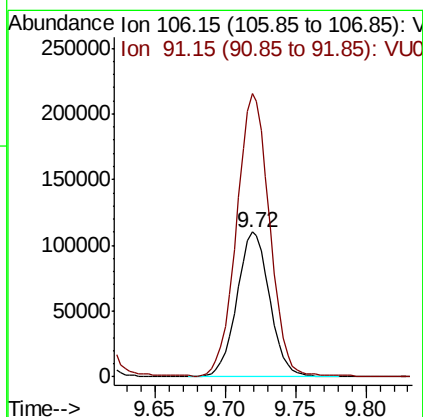
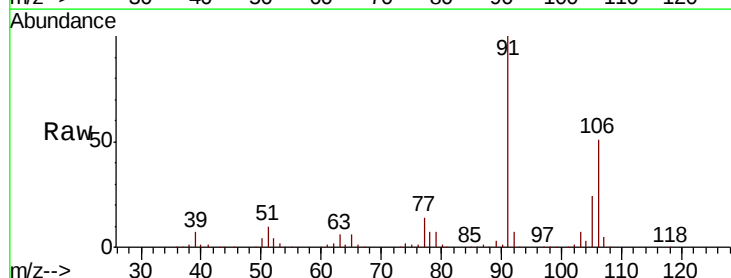
Instrument :
MSVOA_U
ClientSampled :

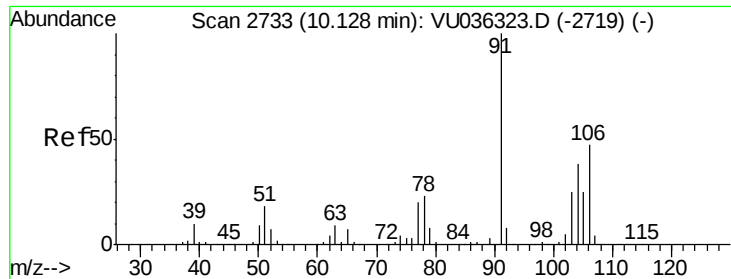
Tot Ion: 91 Resp: 450244
Ion Ratio Lower Upper
91 100
106 31.8 22.0 41.0



#53
m,p-Xylene
Concen: 4.797 ug/L
RT: 9.72 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VU036344.D
Acq: 26 Dec 2019 10:20

Tgt Ion: 106 Resp: 178949
Ion Ratio Lower Upper
106 100
91 195.4 138.7 257.7

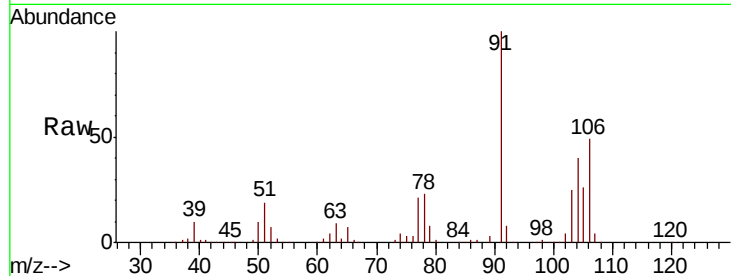




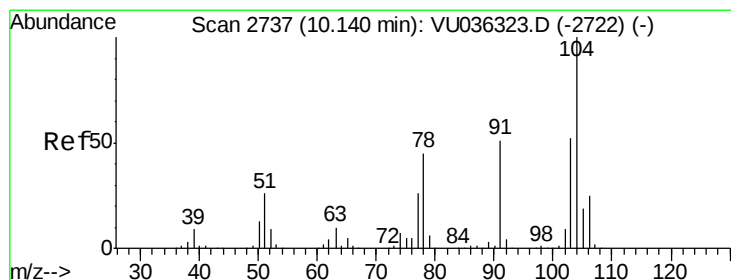
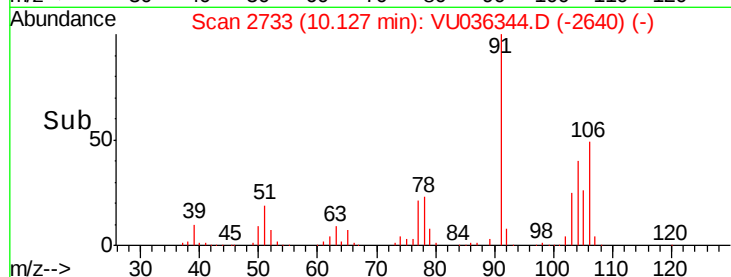
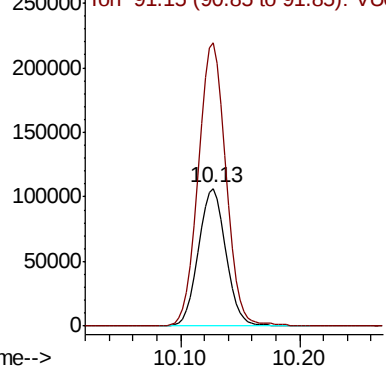
#54
o-Xylene
Concen: 4.755 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU036344.D
Acq: 26 Dec 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 171066
Ion Ratio Lower Upper
106 100
91 205.7 152.8 283.8

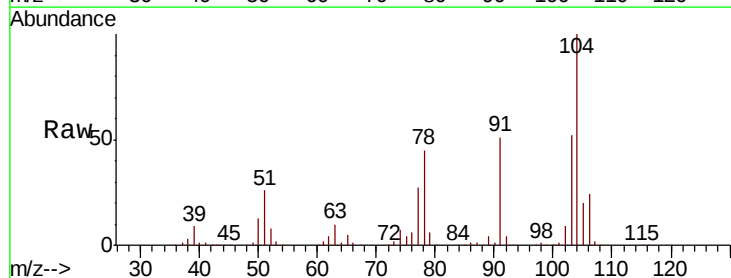


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

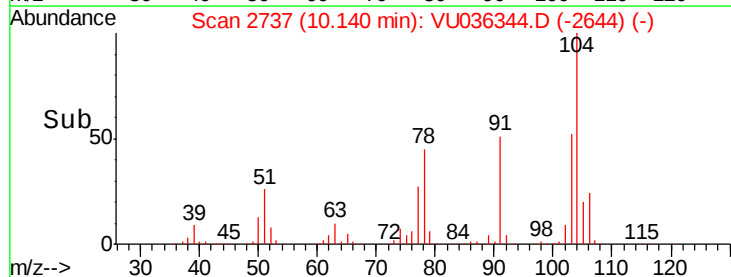
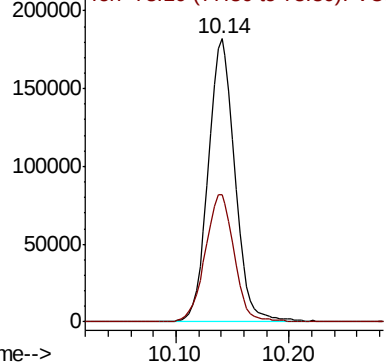


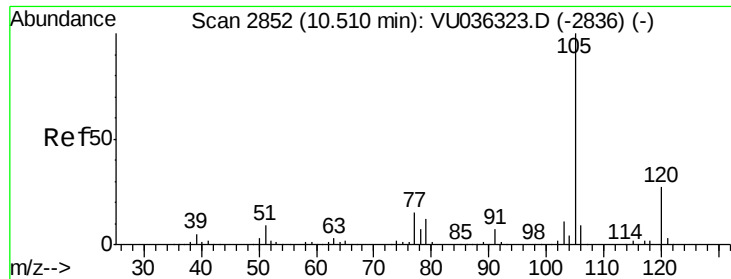
#55
Styrene
Concen: 4.699 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036344.D
Acq: 26 Dec 2019 10:20

Tgt Ion:104 Resp: 299193
Ion Ratio Lower Upper
104 100
78 45.1 32.1 59.5



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





#56

Isopropylbenzene

Concen: 4.765 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU036344.D

Acq: 26 Dec 2019 10:20

Instrument :

MSVOA_U

ClientSampleId :

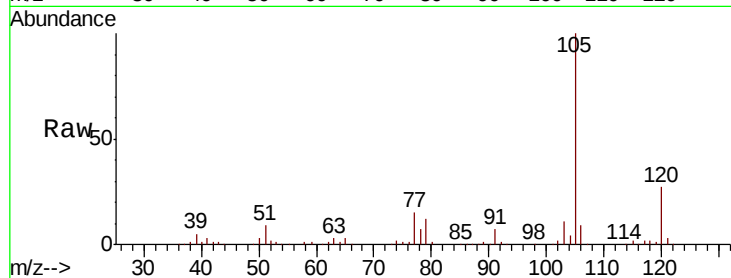
Tot Ion:105 Resp: 440256

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.6

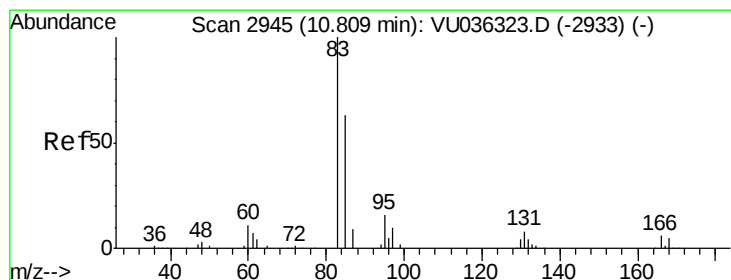
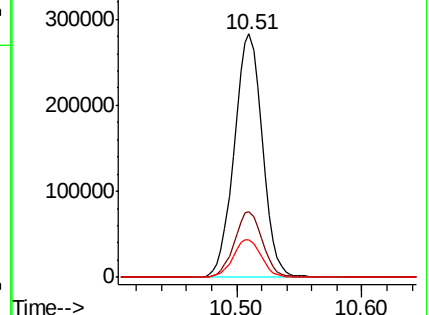
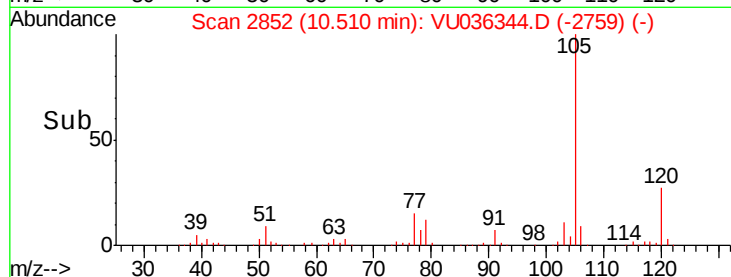
77 15.5 12.5 18.7



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: 4.915 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036344.D

Acq: 26 Dec 2019 10:20

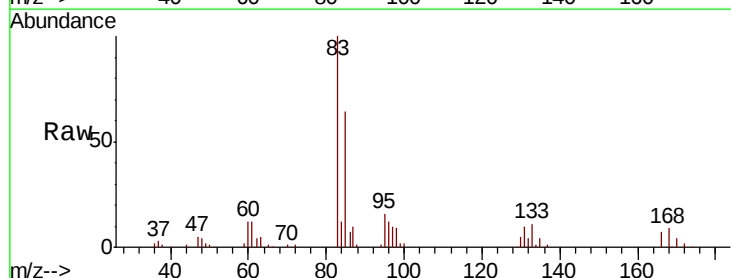
Tgt Ion: 83 Resp: 107575

Ion Ratio Lower Upper

83 100

85 63.7 45.6 84.8

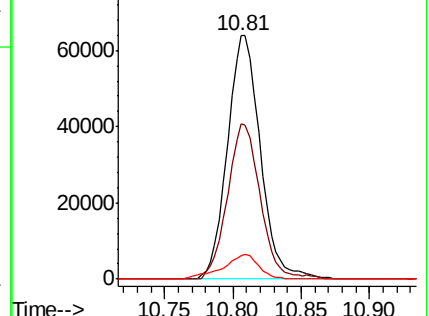
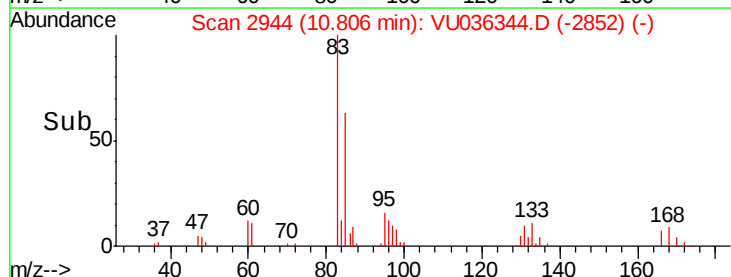
131 9.6 8.5 12.7

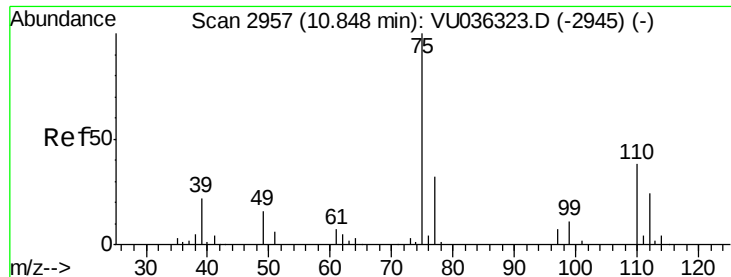


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.999 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. -0.00 min

Lab File: VU036344.D

Acq: 26 Dec 2019 10:20

Instrument :

MSVOA_U

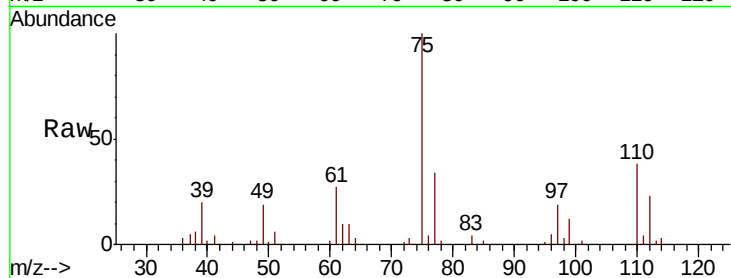
ClientSampled :

Tot Ion: 75 Resp: 76236

Ion Ratio Lower Upper

75 100

77 33.4 27.2 40.8

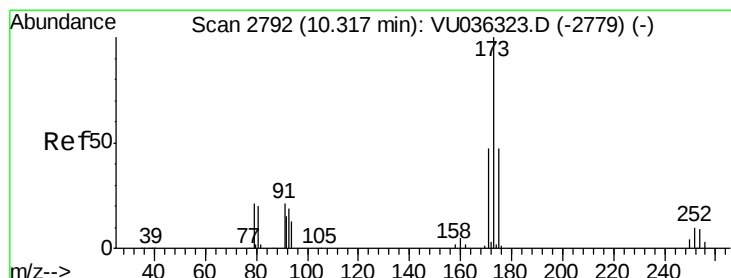
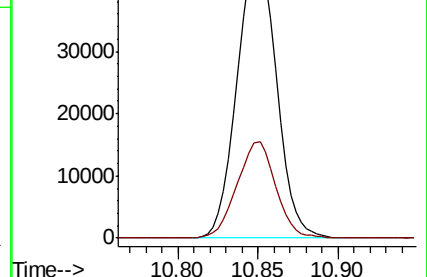
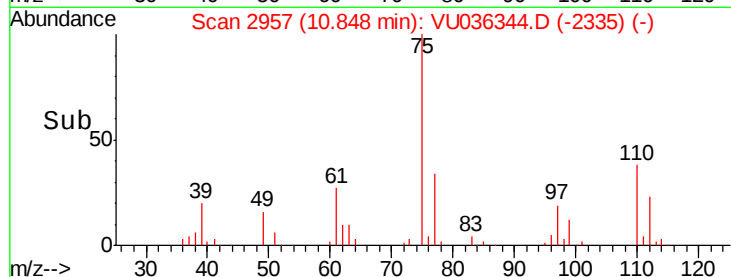


Abundance Ion 75.00 (74.70 to 75.70): VU036323.D (-2945) (-)

Ion 77.00 (76.70 to 77.70): VU036323.D (-2945) (-)

10.85

Time-->



#61

Bromoform

Concen: 4.821 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036344.D

Acq: 26 Dec 2019 10:20

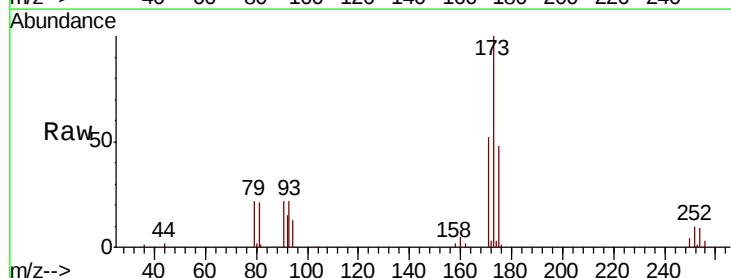
Tgt Ion: 173 Resp: 63913

Ion Ratio Lower Upper

173 100

175 47.2 39.2 58.8

254 9.7 7.8 11.6



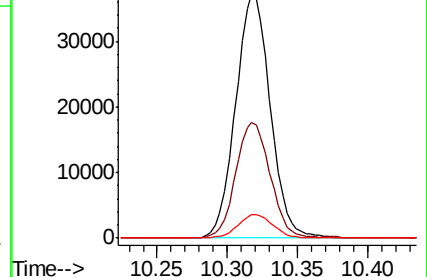
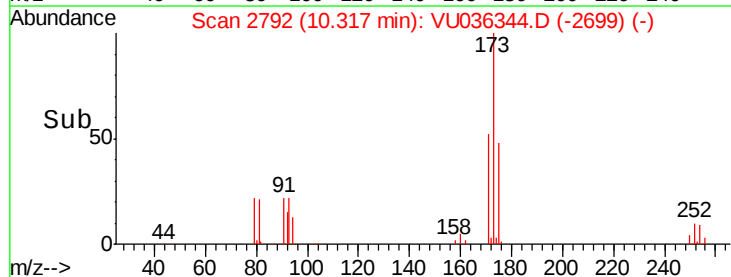
Abundance Ion 172.90 (172.60 to 173.60): VU036323.D (-2779) (-)

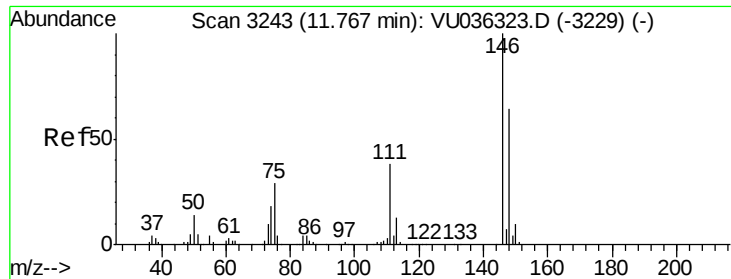
Ion 174.90 (174.60 to 175.60): VU036323.D (-2779) (-)

Ion 253.75 (253.45 to 254.45): VU036323.D (-2779) (-)

10.32

Time-->





#62

1,3-Dichlorobenzene

Concen: 4.755 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. -0.00 min

Lab File: VU036344.D

Acq: 26 Dec 2019 10:20

Instrument :

MSVOA_U

ClientSampleId :

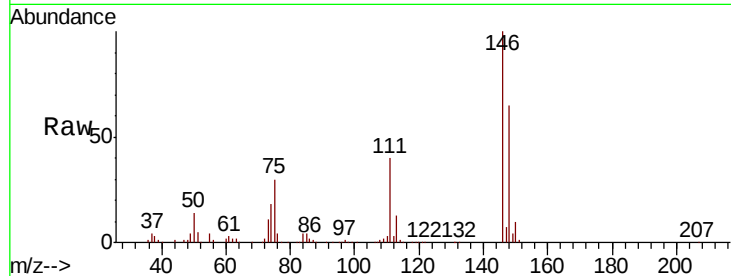
Tot Ion:146 Resp: 244958

Ion Ratio Lower Upper

146 100

111 39.6 26.3 48.9

148 65.0 45.1 83.9

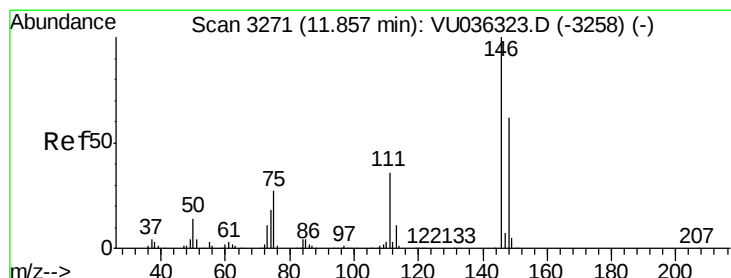
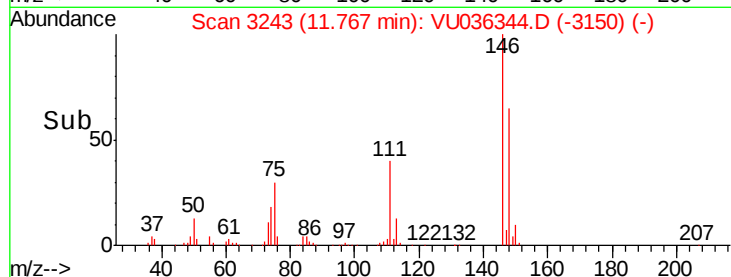
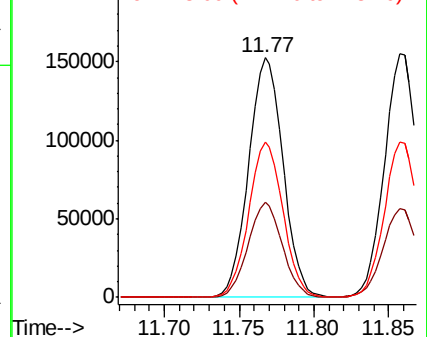


Abundance

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: 4.790 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. -0.00 min

Lab File: VU036344.D

Acq: 26 Dec 2019 10:20

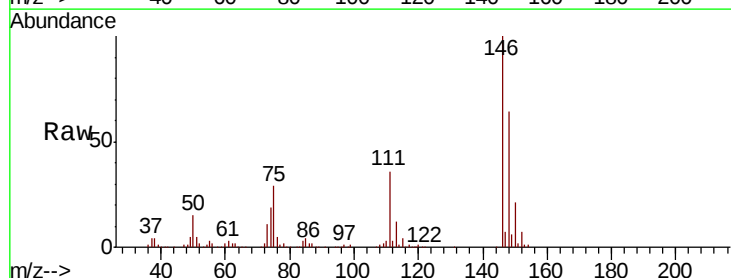
Tgt Ion:146 Resp: 244761

Ion Ratio Lower Upper

146 100

111 36.3 25.8 48.0

148 63.9 44.7 82.9

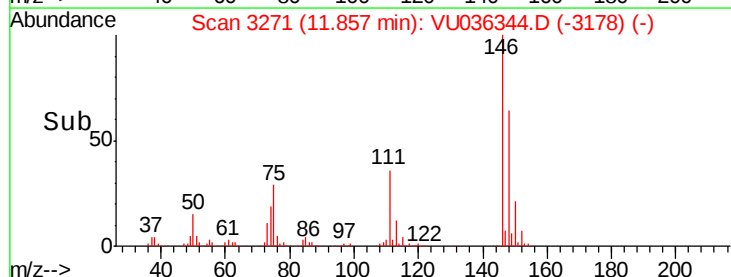
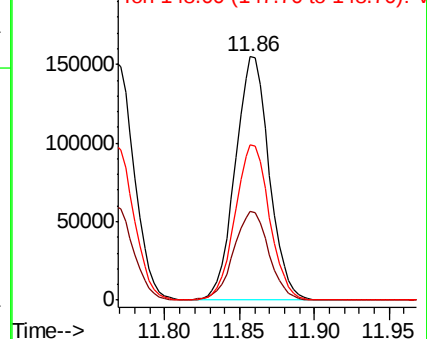


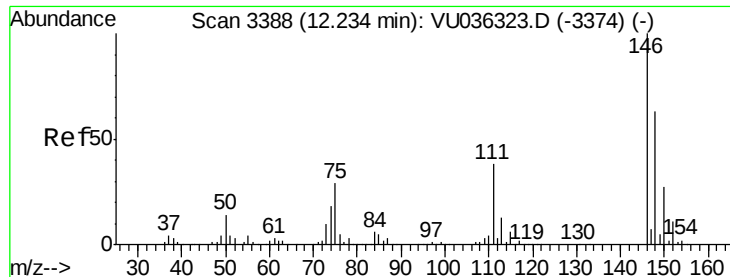
Abundance

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: 4.801 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VU036344.D

Acq: 26 Dec 2019 10:20

Instrument :

MSVOA_U

ClientSampleId :

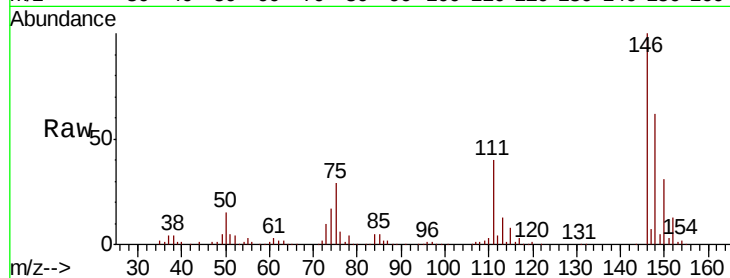
Tot Ion:146 Resp: 235674

Ion Ratio Lower Upper

146 100

111 40.3 32.5 48.7

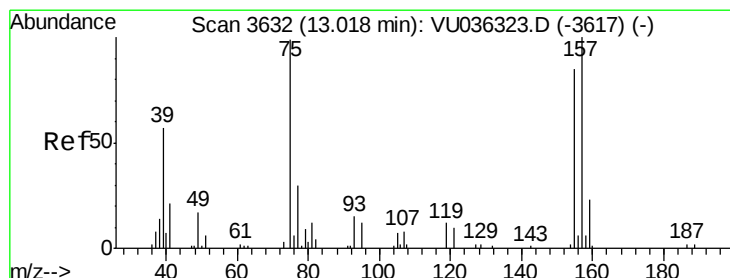
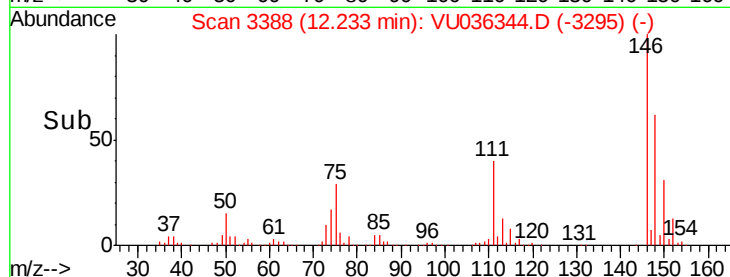
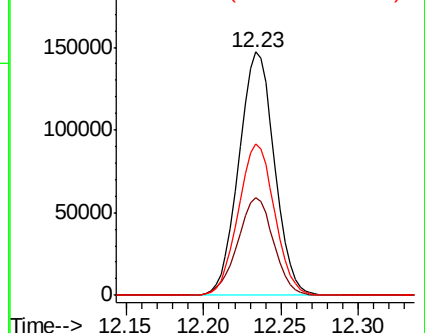
148 62.0 49.2 73.8



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: 5.025 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU036344.D

Acq: 26 Dec 2019 10:20

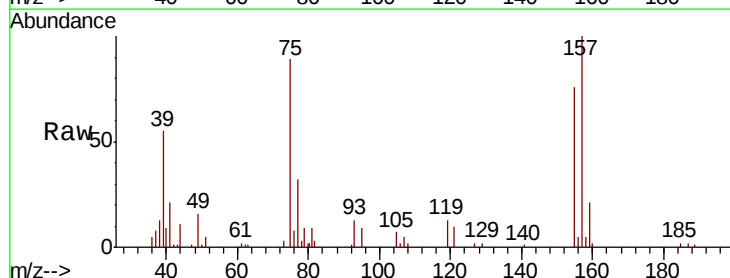
Tgt Ion: 75 Resp: 16383

Ion Ratio Lower Upper

75 100

155 85.7 61.9 92.9

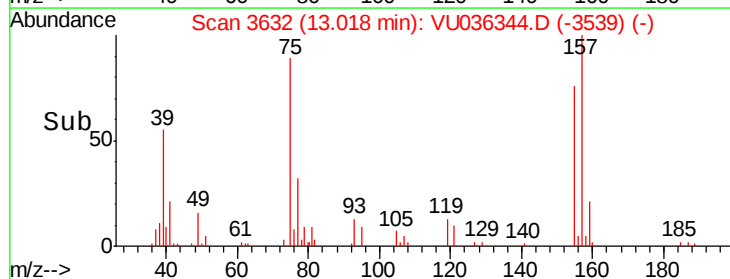
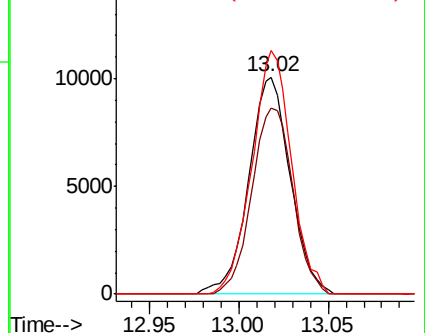
157 112.2 84.9 127.3

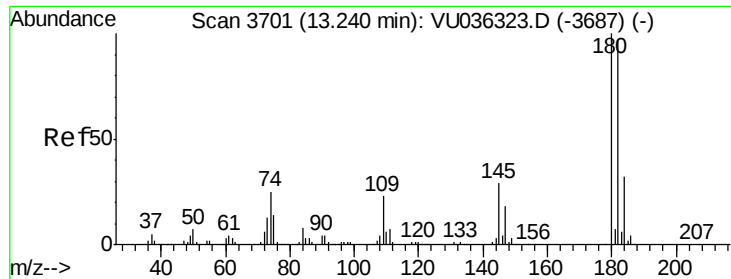


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

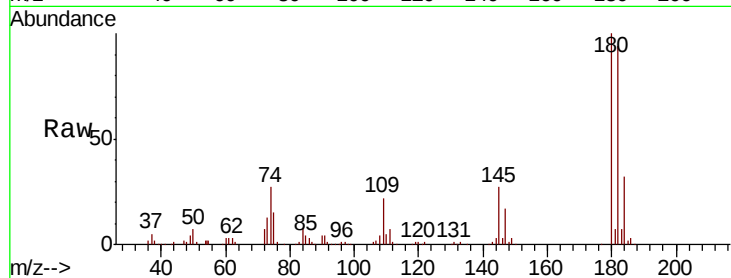




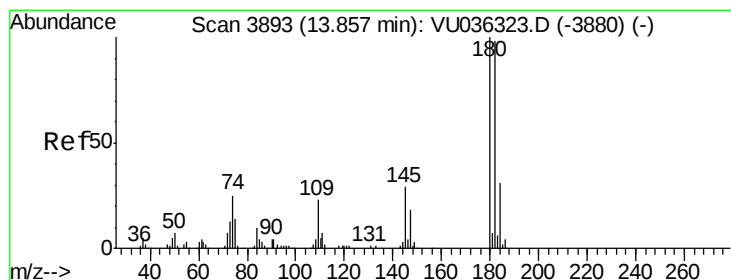
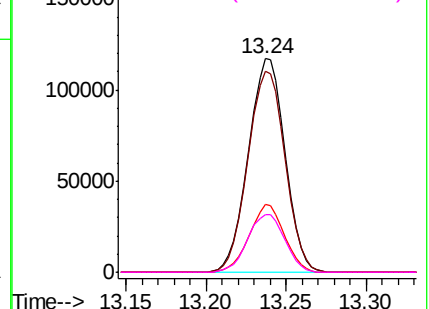
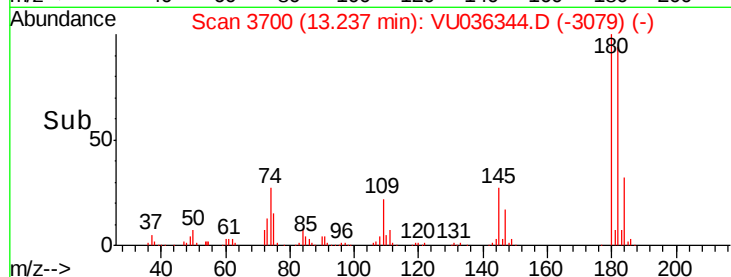
#67
 1,3,5-Trichlorobenzene
 Concen: 4.730 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036344.D
 Acq: 26 Dec 2019 10:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	182599
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.9	115.3
184	30.4	24.2	36.4
145	27.5	22.0	33.0

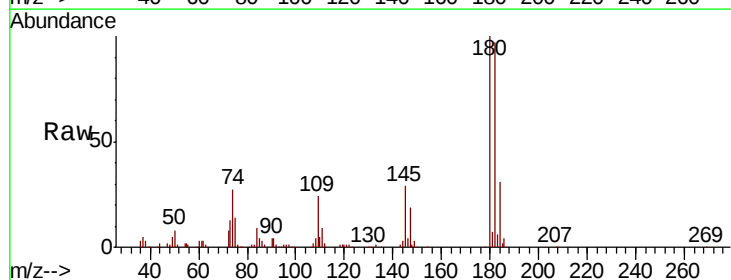


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

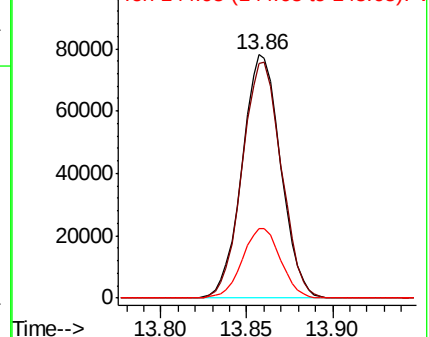
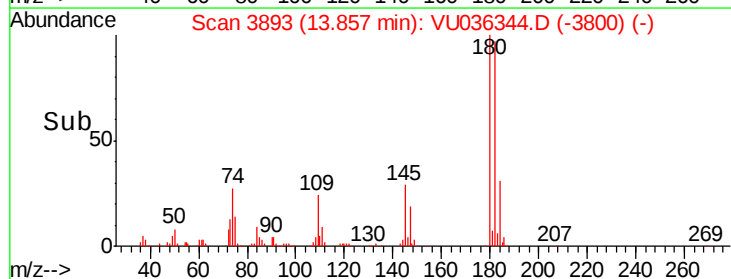


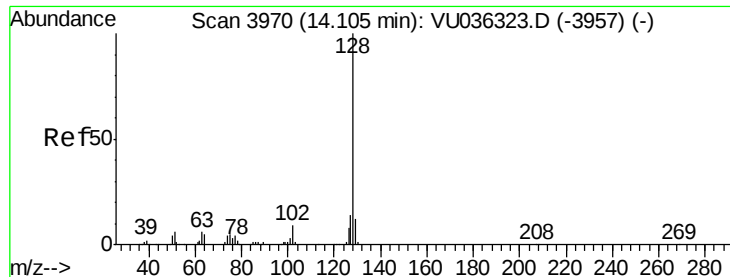
#68
 1,2,4-trichlorobenzene
 Concen: 4.802 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036344.D
 Acq: 26 Dec 2019 10:20

Tgt Ion:	180	Resp:	121776
Ion	Ratio	Lower	Upper
180	100		
182	98.2	75.3	112.9
145	28.3	22.7	34.1



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: 4.595 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036344.D

Acq: 26 Dec 2019 10:20

Instrument :

MSVOA_U

ClientSampleId :

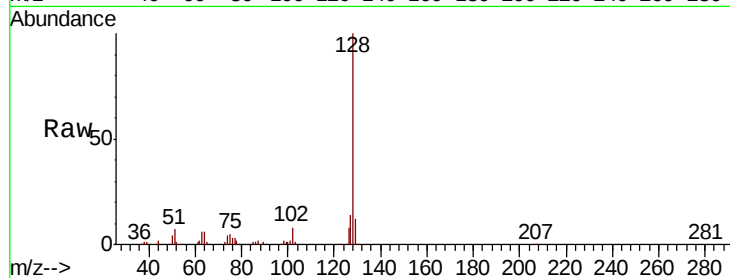
Tot Ion:128 Resp: 148237

Ion Ratio Lower Upper

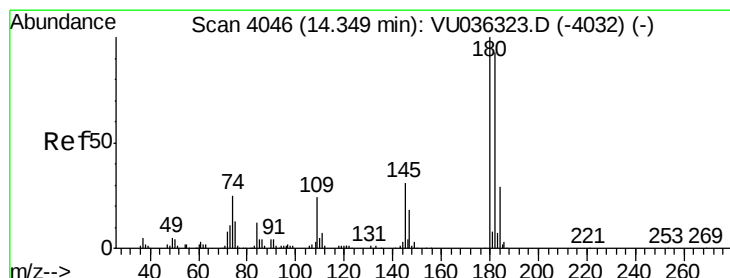
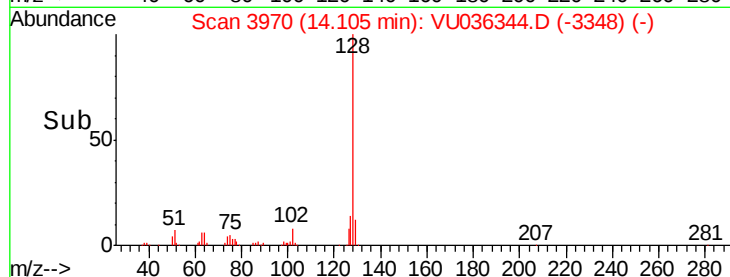
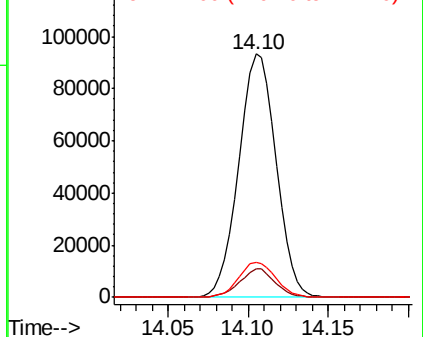
128 100

129 10.9 8.4 12.6

127 14.3 11.5 17.3



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: 4.906 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. -0.00 min

Lab File: VU036344.D

Acq: 26 Dec 2019 10:20

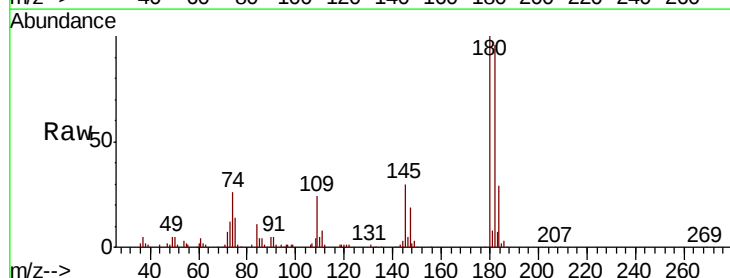
Tgt Ion:180 Resp: 120327

Ion Ratio Lower Upper

180 100

182 95.5 77.0 115.6

145 30.5 24.9 37.3



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

