

Data File : VU034553.D
Acq On : 15 Sep 2019 09:37
Operator : JC/SP
Sample : VSTD02006
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Quant Time: Sep 16 02:09:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 16 02:04:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	194110	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	185195	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	88888	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	263773	16.27	ug/L	0.00
7) Chloroethane-d5	1.67	69	178345	13.35	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	432124	14.12	ug/L	0.00
20) 2-Butanone-d5	4.17	46	892524	218.87	ug/L	0.00
24) Chloroform-d	4.62	84	518148	18.26	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	267809	17.65	ug/L	0.00
32) Benzene-d6	5.32	84	1056563	20.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	359494	21.61	ug/L	0.00
41) Toluene-d8	7.54	98	986062	21.90	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	154104	24.10	ug/L	0.00
46) 2-Hexanone-d5	8.29	63	713710	268.11	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	282362	20.63	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	324614	19.70	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	166378	8.331 ug/L	100
3) Chloromethane	1.32	50	252956	12.275 ug/L	99
5) Vinyl chloride	1.40	62	224962	10.593 ug/L	99
6) Bromomethane	1.62	94	114486	11.473 ug/L	96
8) Chloroethane	1.68	64	117402	8.797 ug/L	100
9) Trichlorofluoromethane	1.87	101	252844	10.556 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	128301	9.529 ug/L	97
12) 1,1-Dichloroethene	2.27	96	148209	11.023 ug/L	96
13) Acetone	2.32	43	505903	165.257 ug/L	98
14) Carbon disulfide	2.46	76	395132	8.535 ug/L	96
15) Methyl Acetate	2.60	43	120380	14.662 ug/L	96
16) Methylene chloride	2.68	84	205994	12.607 ug/L	99
17) Methyl tert-butyl Ether	2.98	73	619343	16.685 ug/L	100
18) trans-1,2-Dichloroethene	2.96	96	174824	11.901 ug/L	96
19) 1,1-Dichloroethane	3.42	63	463350	15.538 ug/L	99
21) 2-Butanone	4.26	43	907604	202.404 ug/L	98
22) cis-1,2-Dichloroethene	4.20	96	269827	16.947 ug/L	# 99
23) Bromochloromethane	4.52	128	109954	15.454 ug/L	92
25) Chloroform	4.65	83	471859	15.127 ug/L	99
27) 1,2-Dichloroethane	5.38	62	294266	16.047 ug/L	99
29) 1,1,1-Trichloroethane	4.89	97	348629	16.101 ug/L	98
30) Cyclohexane	4.96	56	255840	12.273 ug/L	99
31) Carbon tetrachloride	5.11	117	277631	14.739 ug/L	99
33) Benzene	5.36	78	987543	17.583 ug/L	100
34) Trichloroethene	6.16	95	244252	16.777 ug/L	98
35) Methylcyclohexane	6.39	83	243859	11.839 ug/L	99
37) 1,2-Dichloropropane	6.41	63	292761	18.703 ug/L	100
38) Bromodichloromethane	6.73	83	363092	18.890 ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	454840	21.539 ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	2255290	230.270 ug/L	100

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.61	91	1045453	18.448	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	362941	21.188	ug/L	96
45) 1,1,2-Trichloroethane	8.04	97	201791	19.034	ug/L	97
47) Tetrachloroethene	8.20	164	148675	13.585	ug/L	98
48) 2-Hexanone	8.34	43	1590416	234.133	ug/L	98
49) Dibromochloromethane	8.46	129	246928	19.564	ug/L	100
50) 1,2-Dibromoethane	8.57	107	187351	18.626	ug/L	97
51) Chlorobenzene	9.10	112	683114	18.229	ug/L	98
52) Ethylbenzene	9.23	91	1192658	19.739	ug/L	100
53) m,p-Xylene	9.35	106	434824	19.362	ug/L	98
54) o-Xylene	9.76	106	441516	20.615	ug/L	96
55) Styrene	9.77	104	779689	21.190	ug/L	96
56) Isopropylbenzene	10.14	105	1133975	19.984	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.43	83	286380	20.233	ug/L	97
59) 1,2,3-Trichloropropane	10.47	75	194158	19.360	ug/L	97
61) Bromoform	9.94	173	135241	20.155	ug/L	99
62) 1,3-Dichlorobenzene	11.39	146	530366	19.234	ug/L	99
63) 1,4-Dichlorobenzene	11.48	146	533912	18.710	ug/L	99
65) 1,2-Dichlorobenzene	11.85	146	506625	19.028	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.63	75	50853	23.435	ug/L	98
67) 1,3,5-Trichlorobenzene	12.86	180	379100	17.915	ug/L	99
68) 1,2,4-trichlorobenzene	13.48	180	342866	21.375	ug/L	100
69) Naphthalene	13.72	128	778523	29.044	ug/L	100
70) 1,2,3-Trichlorobenzene	13.96	180	313955	20.384	ug/L	98

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

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Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

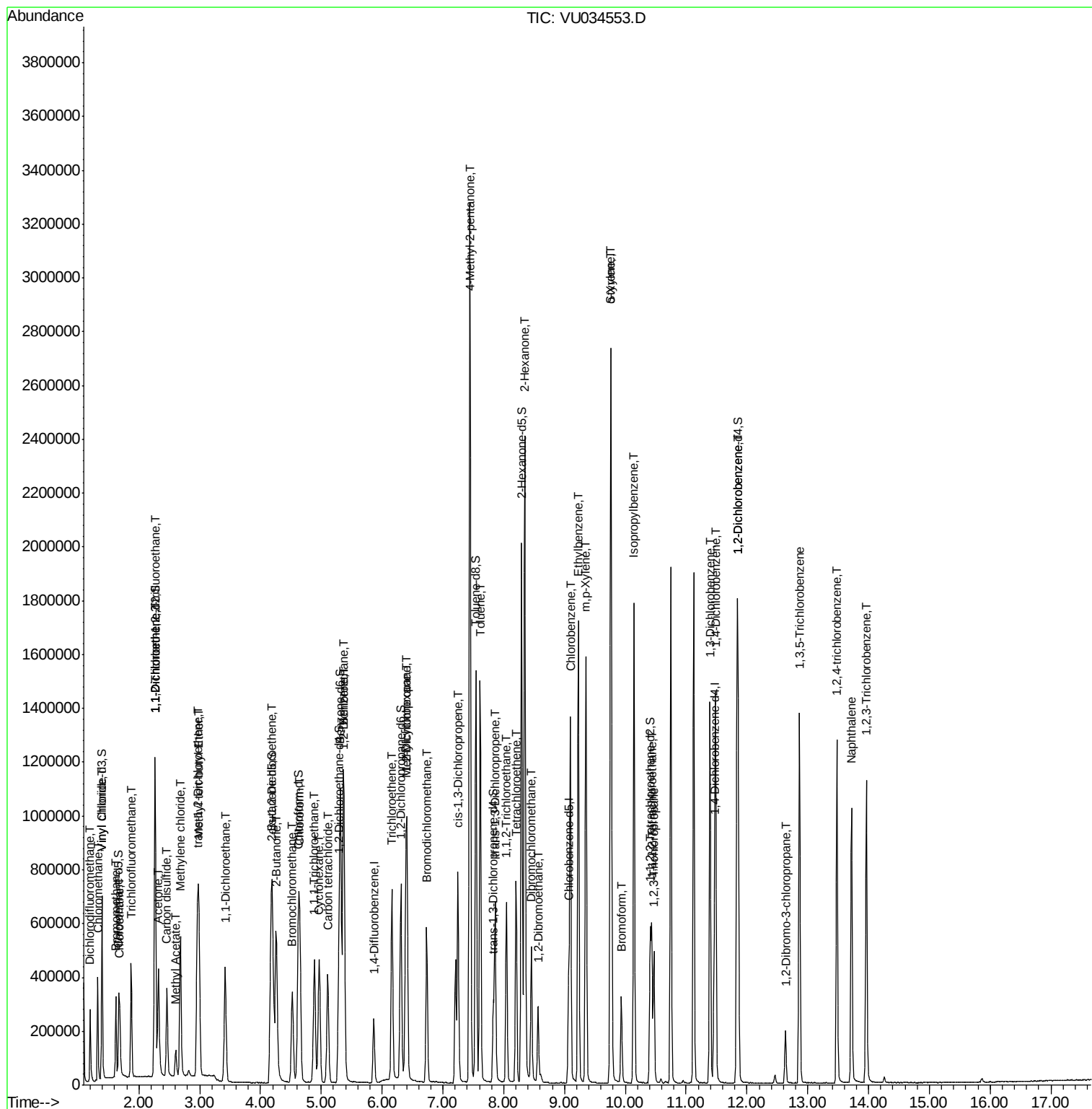
Quant Time: Sep 16 02:09:10 2019

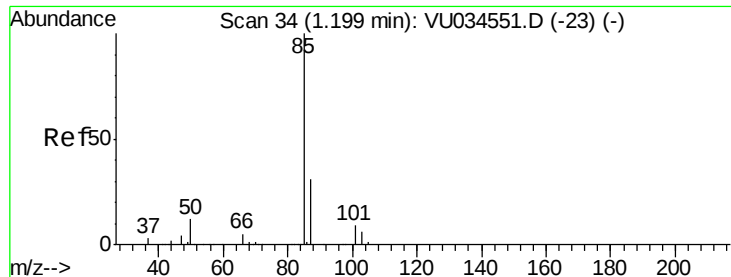
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR091519WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Mon Sep 16 02:04:15 2019

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#2

Dichlorodifluoromethane

Concen: 8.331 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034553.D

Acq: 15 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

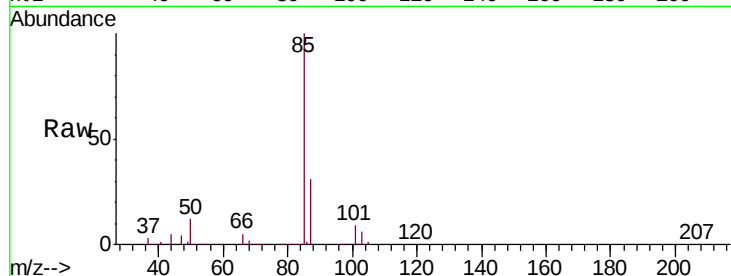
VSTD02006

Tgt Ion: 85 Resp: 166378

Ion Ratio Lower Upper

85 100

87 31.8 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU034553.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU034553.D (-1) (-)

150000

100000

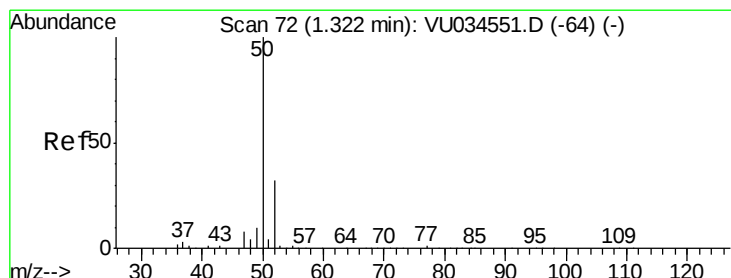
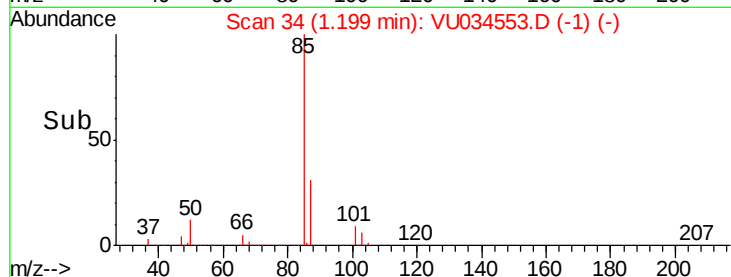
50000

0

1.20

1.15 1.20 1.25 1.30

Time-->



#3

Chloromethane

Concen: 12.275 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034553.D

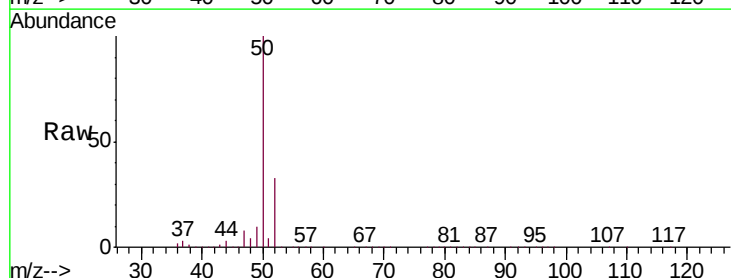
Acq: 15 Sep 2019 09:37

Tgt Ion: 50 Resp: 252956

Ion Ratio Lower Upper

50 100

52 32.6 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU034553.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU034553.D (-1) (-)

250000

200000

150000

100000

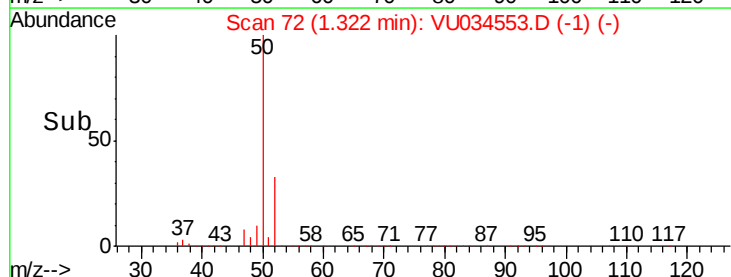
50000

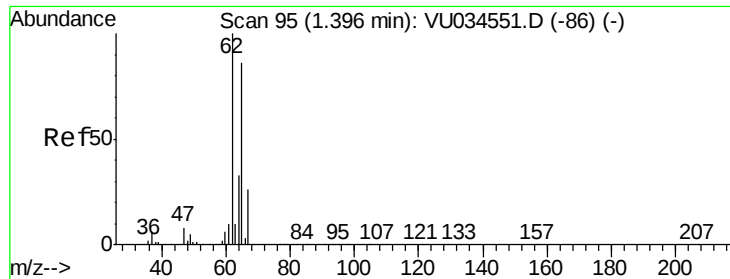
0

1.32

1.30 1.35 1.40

Time-->





#5

Vinyl chloride

Concen: 10.593 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034553.D

Acq: 15 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

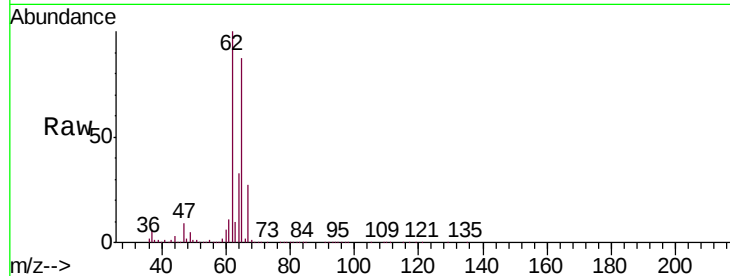
VSTD02006

Tgt Ion: 62 Resp: 224962

Ion Ratio Lower Upper

62 100

64 33.4 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU034551.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU034551.D (-86) (-)

1.40

200000

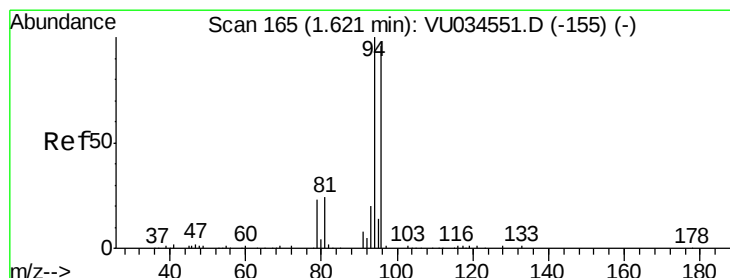
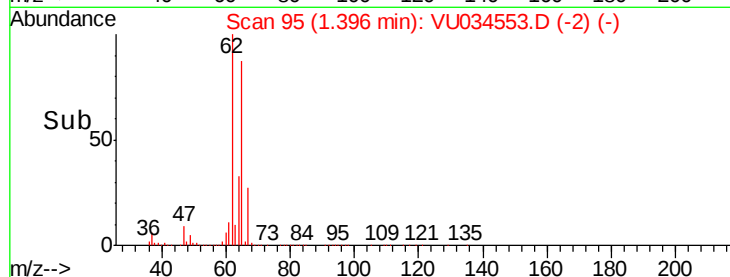
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 11.473 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU034553.D

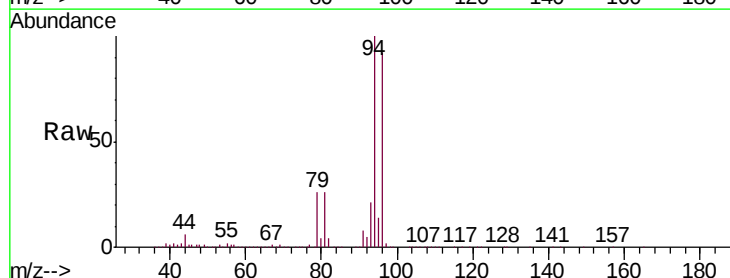
Acq: 15 Sep 2019 09:37

Tgt Ion: 94 Resp: 114486

Ion Ratio Lower Upper

94 100

96 92.0 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VU034551.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU034551.D (-155) (-)

1.62

100000

80000

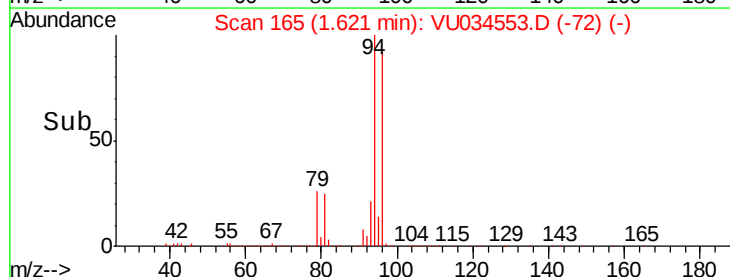
60000

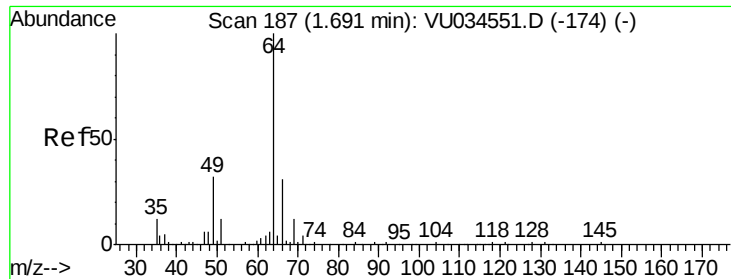
40000

20000

0

Time-->





#8

Chloroethane

Concen: 8.797 ug/L

RT: 1.68 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU034553.D

Acq: 15 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

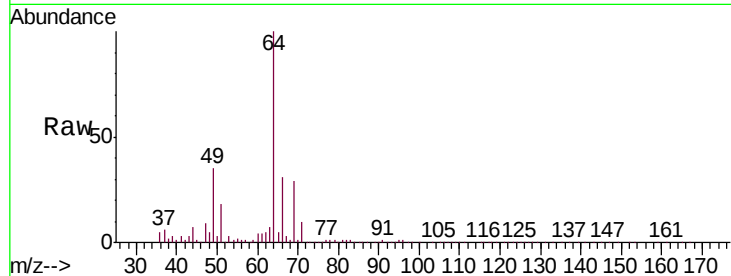
VSTD02006

Tgt Ion: 64 Resp: 117402

Ion Ratio Lower Upper

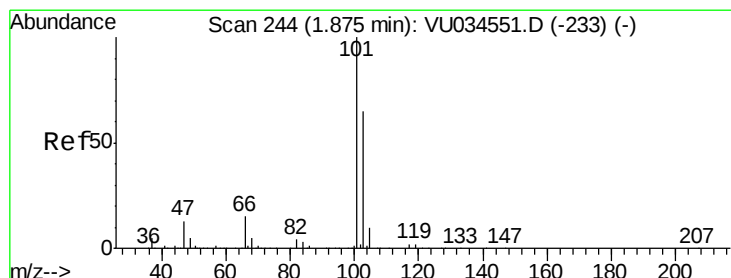
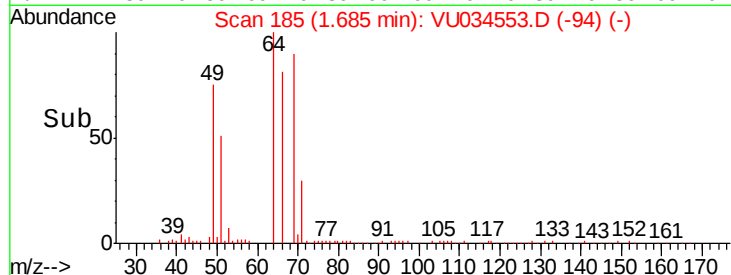
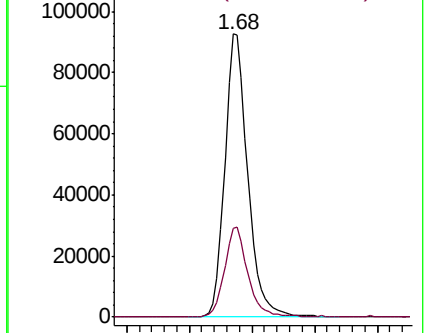
64 100

66 31.5 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#9

Trichlorofluoromethane

Concen: 10.556 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU034553.D

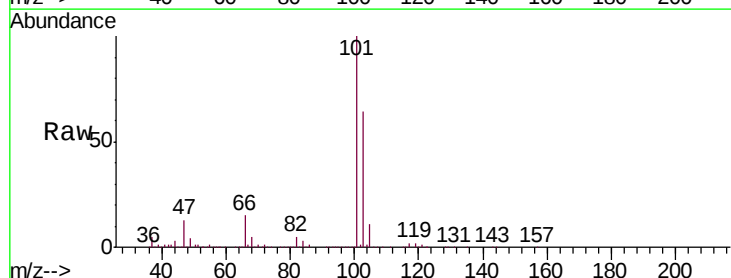
Acq: 15 Sep 2019 09:37

Tgt Ion: 101 Resp: 252844

Ion Ratio Lower Upper

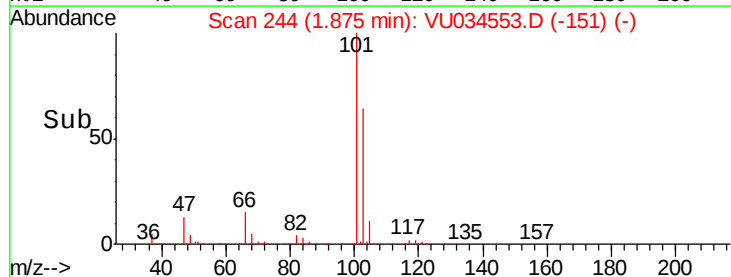
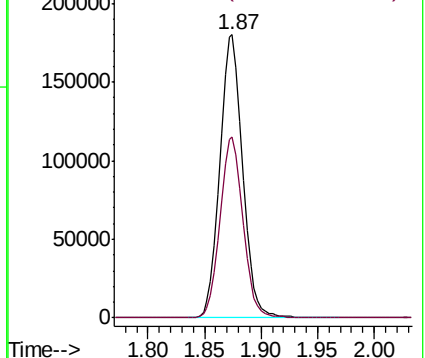
101 100

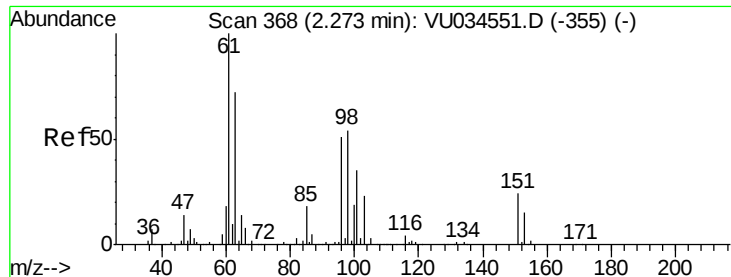
103 64.6 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 9.529 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034553.D

Acq: 15 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

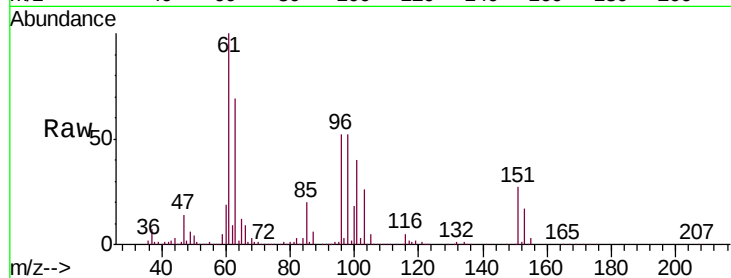
Tgt Ion: 101 Resp: 128301

Ion Ratio Lower Upper

101 100

85 48.2 39.8 59.6

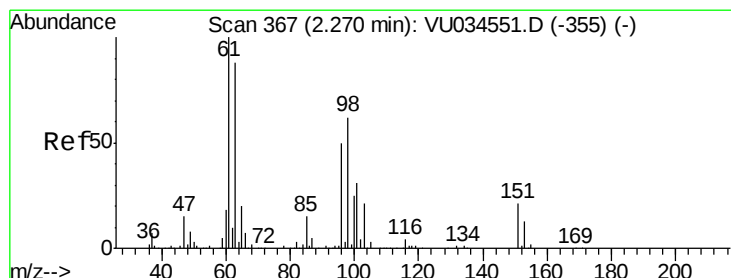
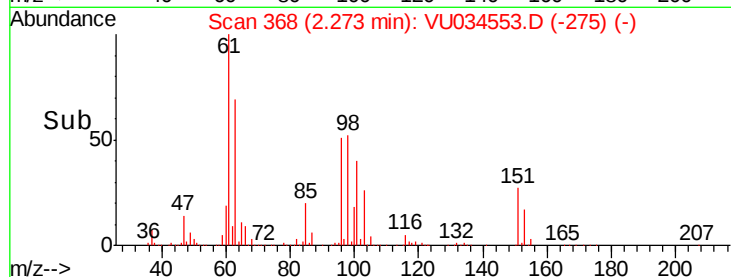
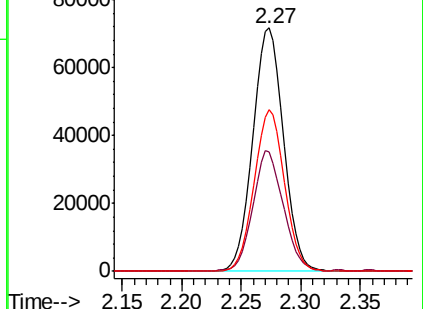
151 65.6 54.4 81.6



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: 11.023 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU034553.D

Acq: 15 Sep 2019 09:37

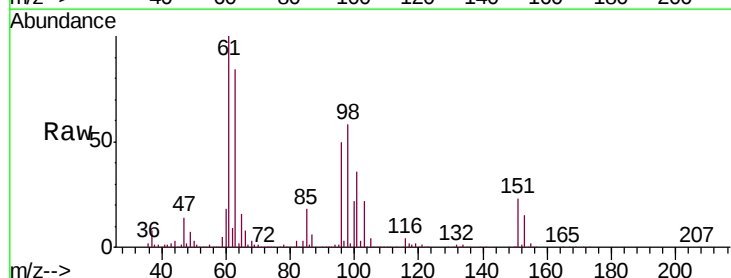
Tgt Ion: 96 Resp: 148209

Ion Ratio Lower Upper

96 100

61 201.6 139.0 258.2

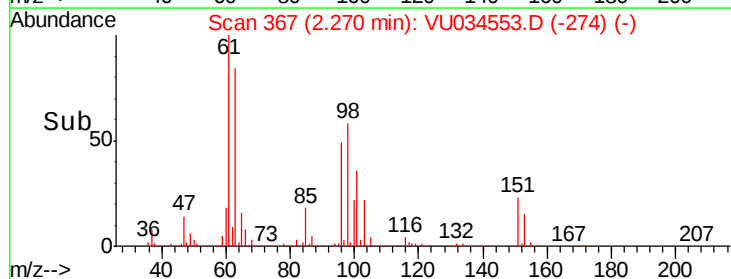
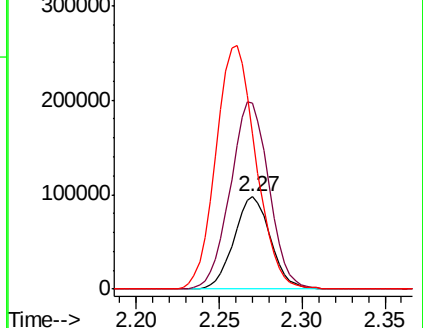
63 168.8 125.0 232.2

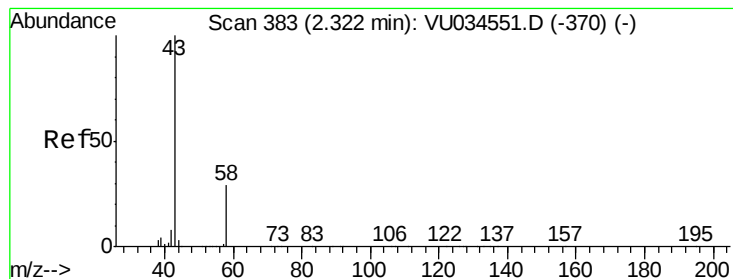


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 165.257 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU034553.D

Acq: 15 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

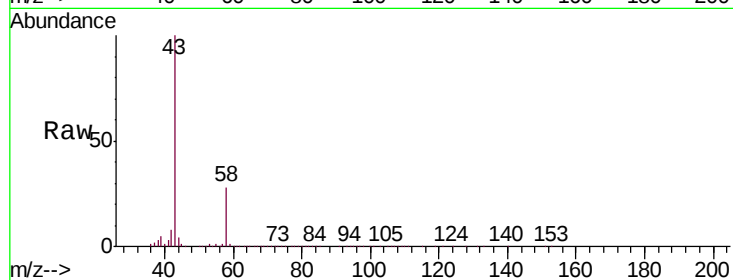
VSTD02006

Tgt Ion: 43 Resp: 505903

Ion Ratio Lower Upper

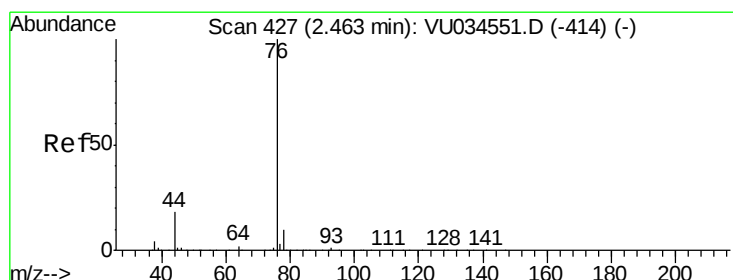
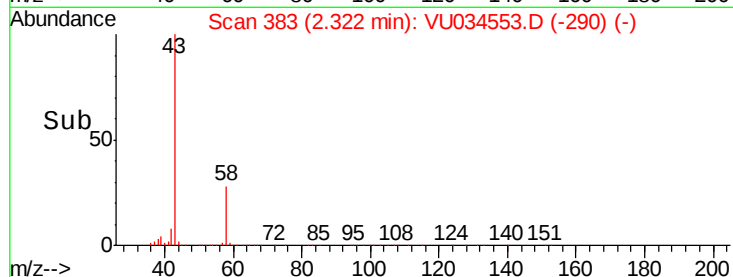
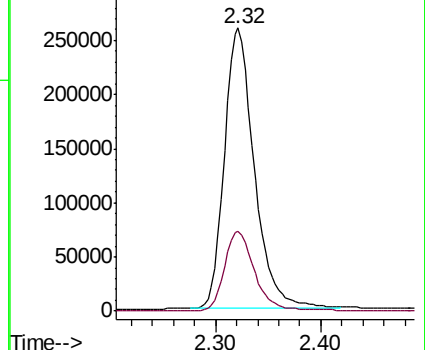
43 100

58 28.5 0.0 59.4



Abundance Ion 43.05 (42.75 to 43.75): VU034553.D (-290) (-)

Ion 58.05 (57.75 to 58.75): VU034553.D (-290) (-)



#14

Carbon disulfide

Concen: 8.535 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU034553.D

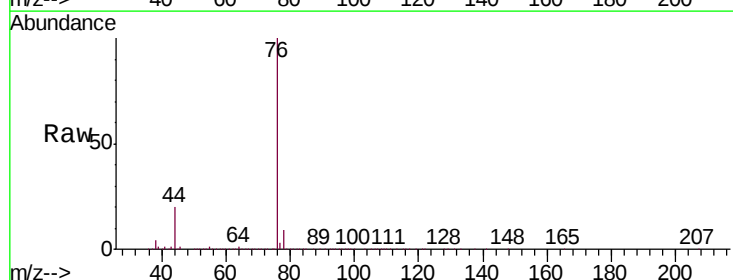
Acq: 15 Sep 2019 09:37

Tgt Ion: 76 Resp: 395132

Ion Ratio Lower Upper

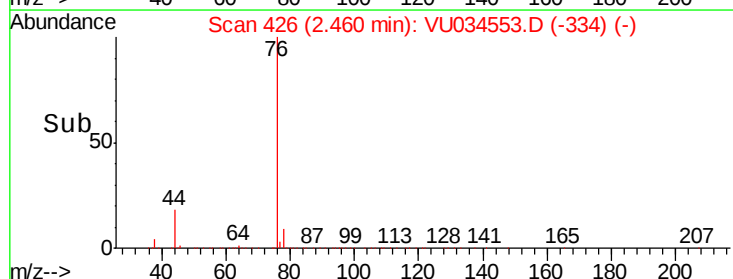
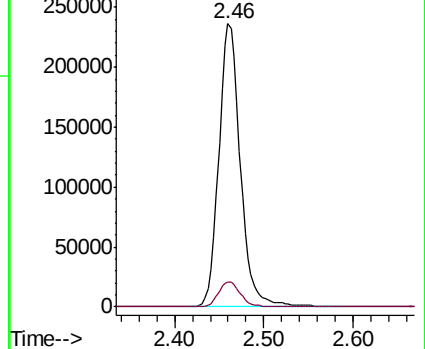
76 100

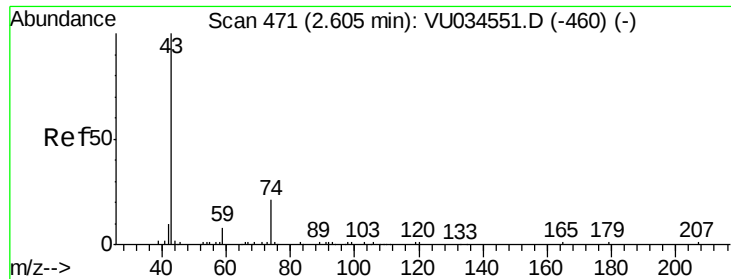
78 9.0 8.4 12.6



Abundance Ion 76.05 (75.75 to 76.75): VU034553.D (-334) (-)

Ion 78.00 (77.70 to 78.70): VU034553.D (-334) (-)

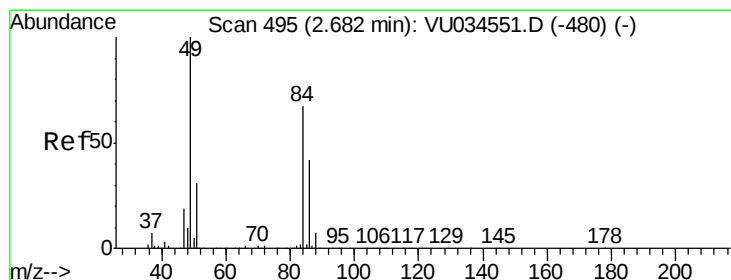
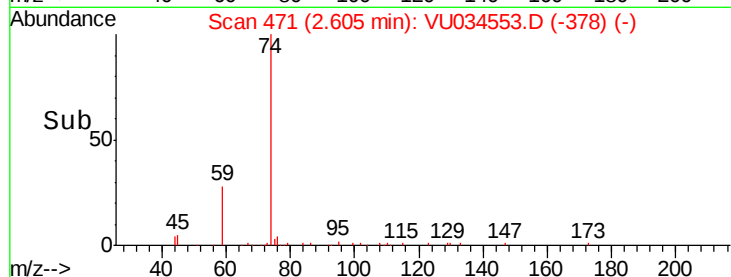
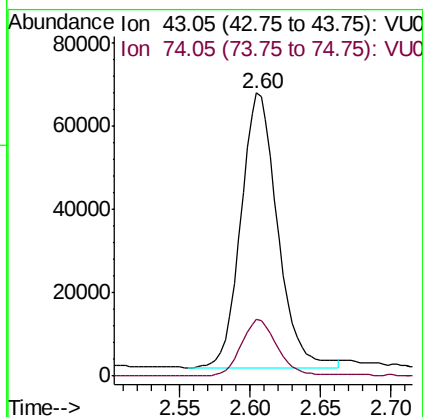
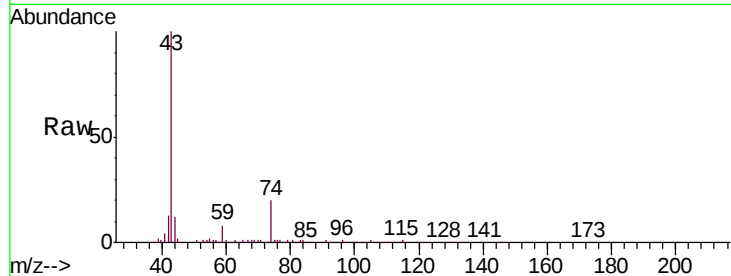




#15
Methyl Acetate
Concen: 14.662 ug/L
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU034553.D
Acq: 15 Sep 2019 09:37

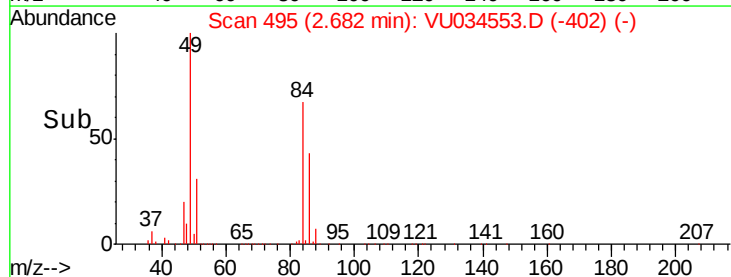
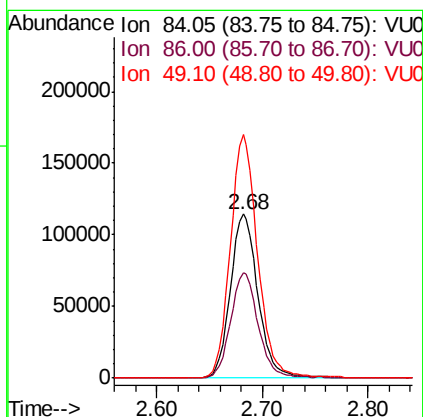
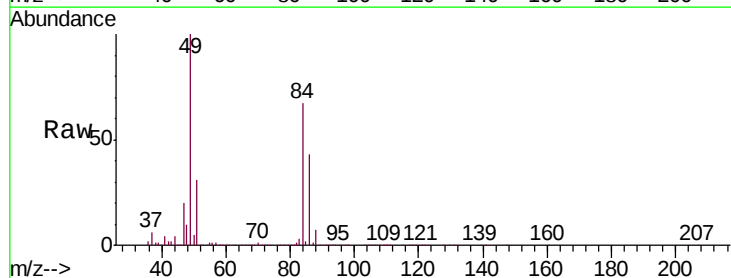
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

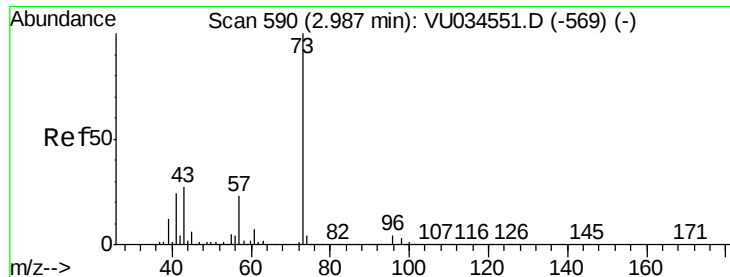
Tgt Ion: 43 Resp: 120380
Ion Ratio Lower Upper
43 100
74 19.9 17.3 25.9



#16
Methylene chloride
Concen: 12.607 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU034553.D
Acq: 15 Sep 2019 09:37

Tgt Ion: 84 Resp: 205994
Ion Ratio Lower Upper
84 100
86 64.4 43.7 81.1
49 148.4 103.5 192.3

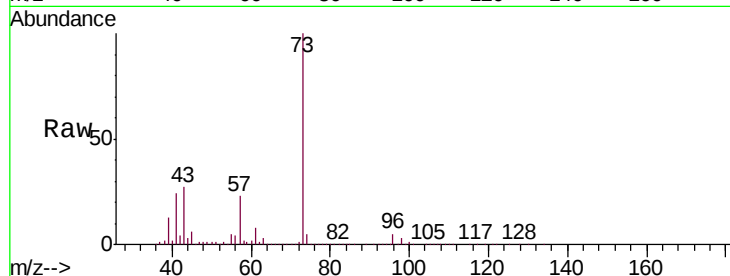




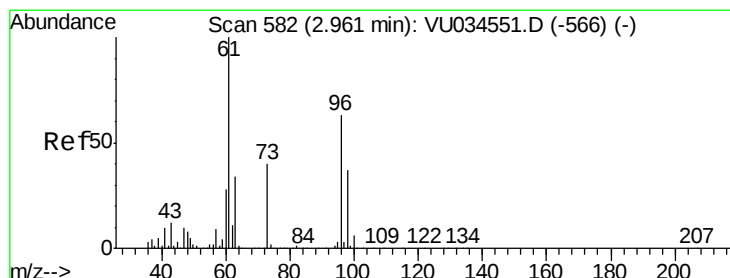
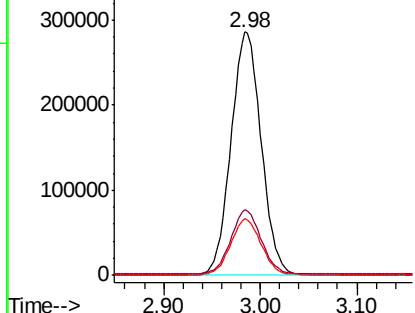
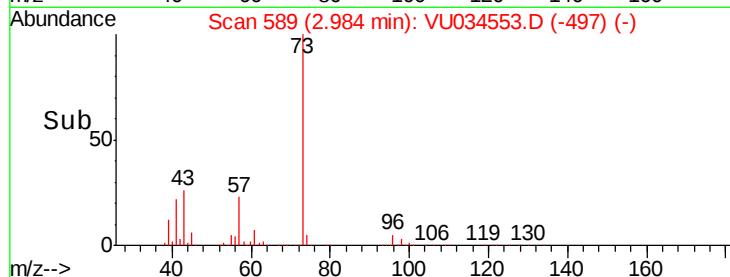
#17
Methyl tert-butyl Ether
Concen: 16.685 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034553.D
Acq: 15 Sep 2019 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Tgt Ion: 73 Resp: 619343
Ion Ratio Lower Upper
73 100
43 26.3 20.9 31.3
57 23.1 18.6 27.8

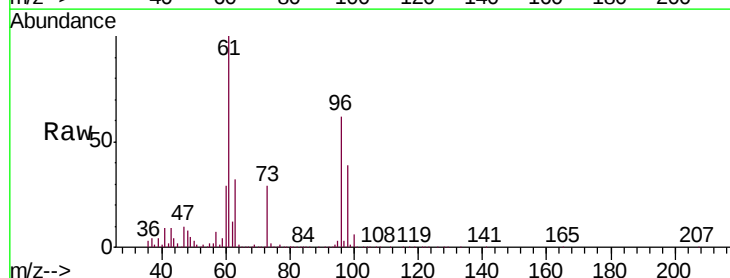


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

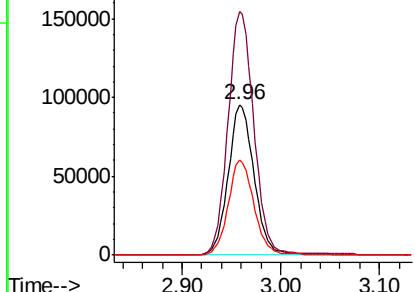
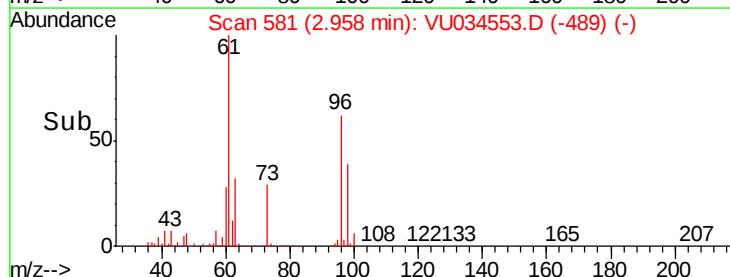


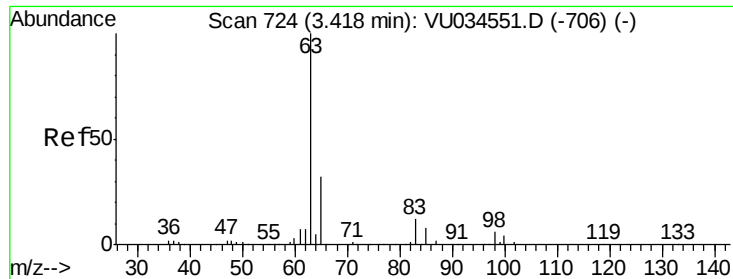
#18
trans-1,2-Dichloroethene
Concen: 11.901 ug/L
RT: 2.96 min Scan# 581
Delta R.T. -0.00 min
Lab File: VU034553.D
Acq: 15 Sep 2019 09:37

Tgt Ion: 96 Resp: 174824
Ion Ratio Lower Upper
96 100
61 161.5 109.8 203.8
98 62.9 41.6 77.2



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: 15.538 ug/L

RT: 3.42 min Scan# 724

Delta R.T. 0.00 min

Lab File: VU034553.D

Acq: 15 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

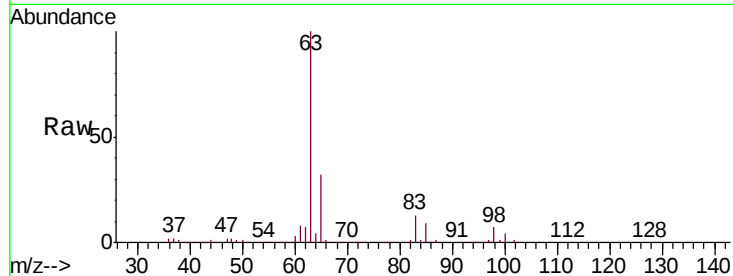
Tgt Ion: 63 Resp: 463350

Ion Ratio Lower Upper

63 100

65 32.2 22.3 41.5

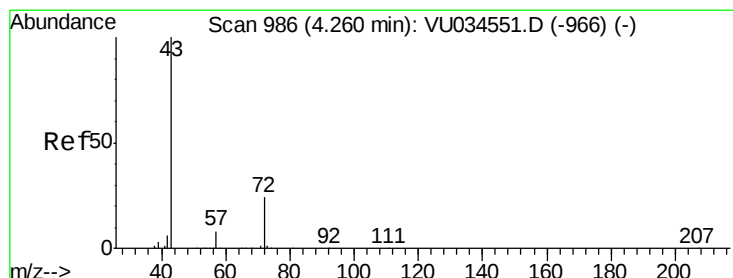
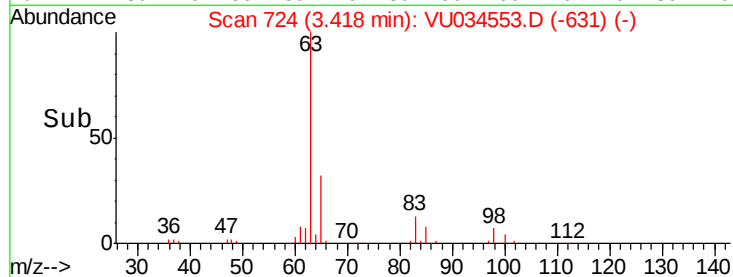
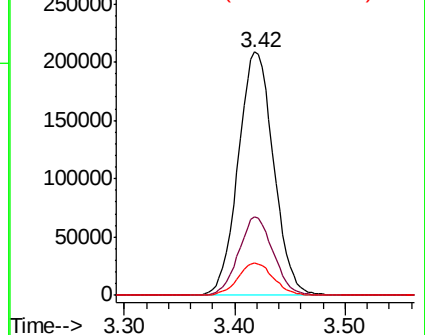
83 13.2 8.7 16.1



Abundance Ion 63.10 (62.80 to 63.80): VU034553.D (-631) (-)

Ion 65.10 (64.80 to 65.80): VU034553.D (-631) (-)

Ion 83.05 (82.75 to 83.75): VU034553.D (-631) (-)



#21

2-Butanone

Concen: 202.404 ug/L

RT: 4.26 min Scan# 985

Delta R.T. -0.00 min

Lab File: VU034553.D

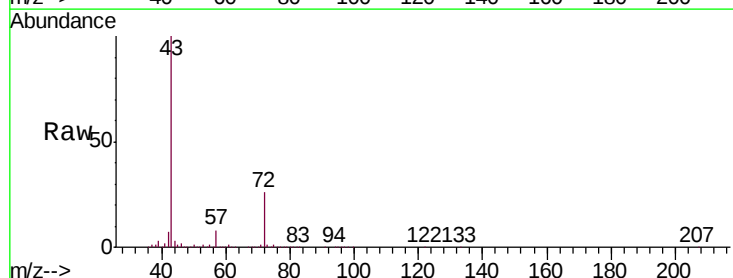
Acq: 15 Sep 2019 09:37

Tgt Ion: 43 Resp: 907604

Ion Ratio Lower Upper

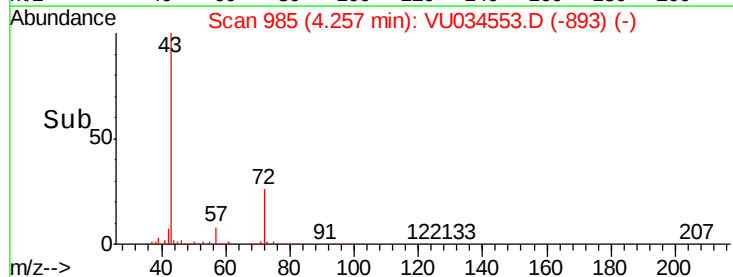
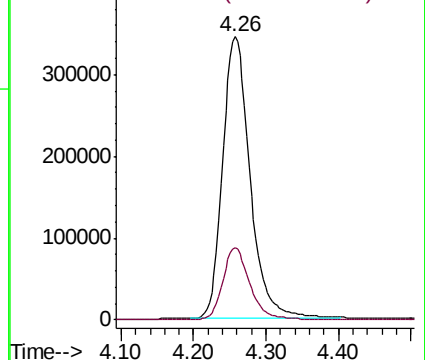
43 100

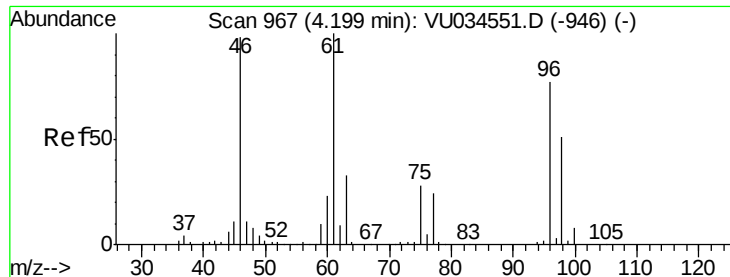
72 24.5 11.9 35.5



Abundance Ion 43.05 (42.75 to 43.75): VU034553.D (-893) (-)

Ion 72.10 (71.80 to 72.80): VU034553.D (-893) (-)



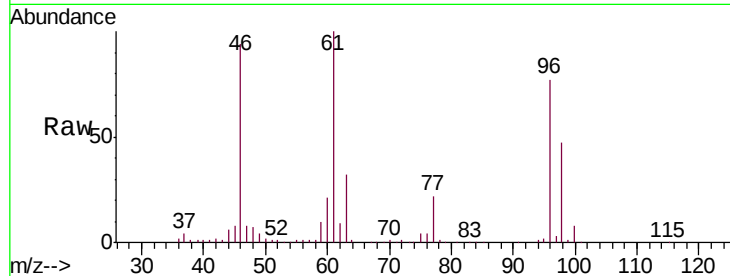


#22

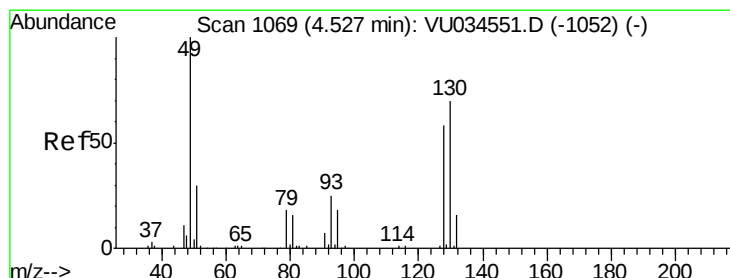
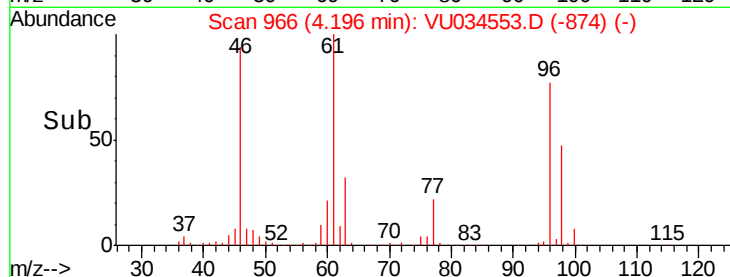
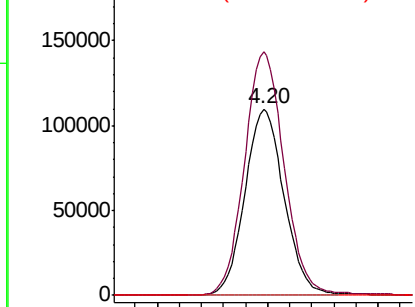
cis-1,2-Dichloroethene
Concen: 16.947 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU034553.D
Acq: 15 Sep 2019 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Tgt Ion: 96 Resp: 269827
Ion Ratio Lower Upper
96 100
61 130.5 90.5 168.1
68 0.1 0.0 0.0#



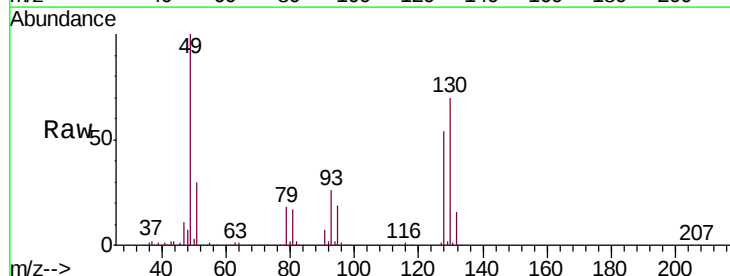
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



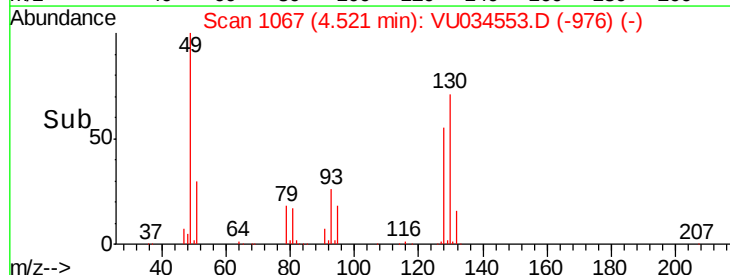
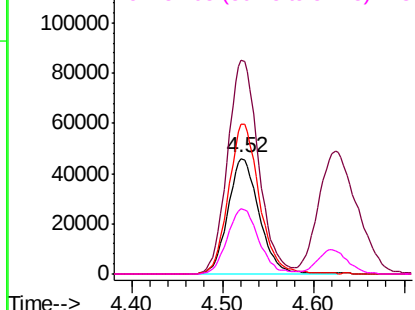
#23

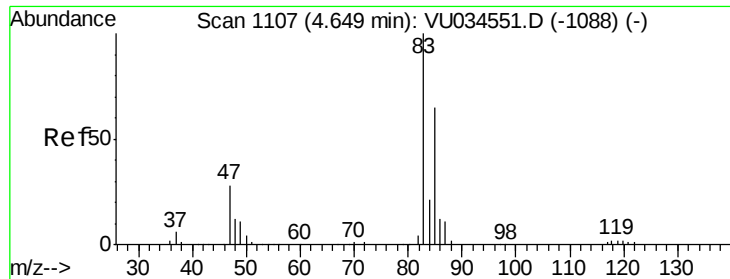
Bromochloromethane
Concen: 15.454 ug/L
RT: 4.52 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VU034553.D
Acq: 15 Sep 2019 09:37

Tgt Ion: 128 Resp: 109954
Ion Ratio Lower Upper
128 100
49 184.7 121.2 225.0
130 129.4 84.4 156.7
51 56.0 41.8 62.6



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

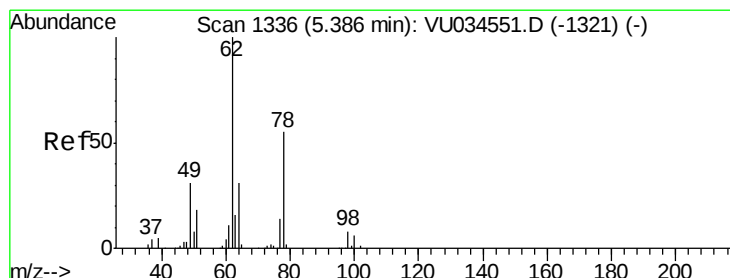
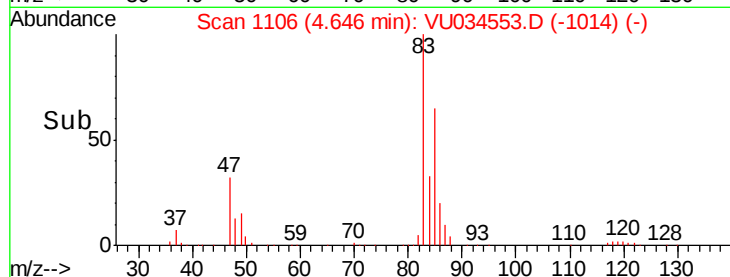
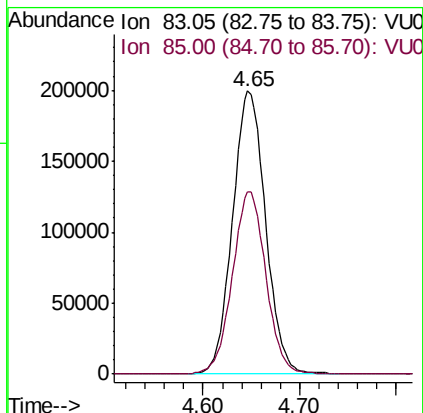
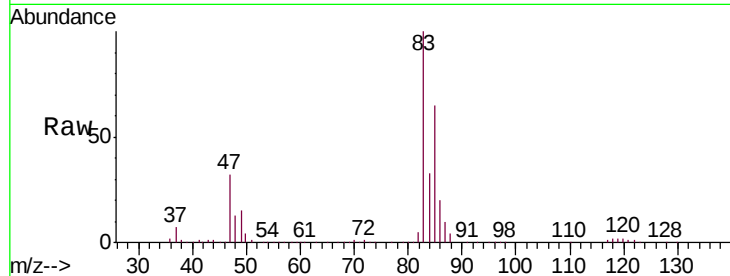




#25
Chloroform
Concen: 15.127 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU034553.D
Acq: 15 Sep 2019 09:37

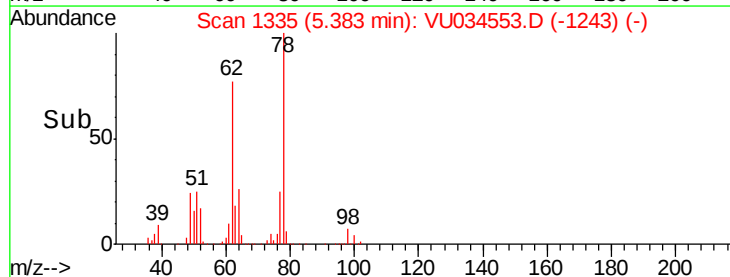
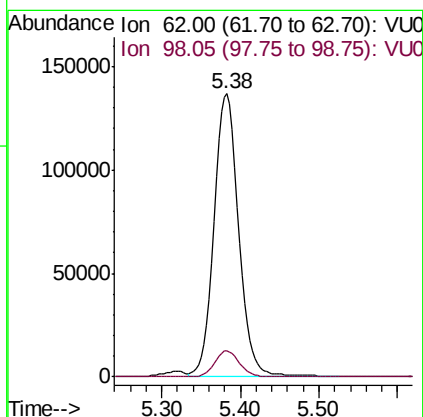
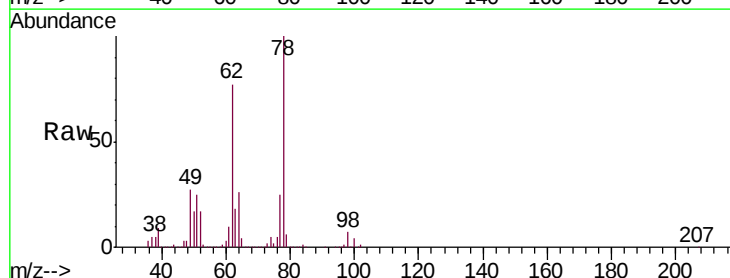
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

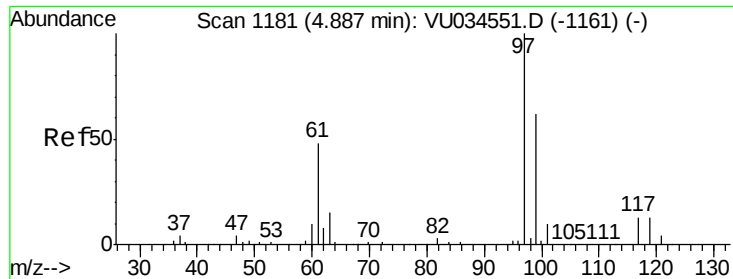
Tgt Ion: 83 Resp: 471859
Ion Ratio Lower Upper
83 100
85 64.6 45.6 84.6



#27
1,2-Dichloroethane
Concen: 16.047 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU034553.D
Acq: 15 Sep 2019 09:37

Tgt Ion: 62 Resp: 294266
Ion Ratio Lower Upper
62 100
98 9.3 7.1 10.7

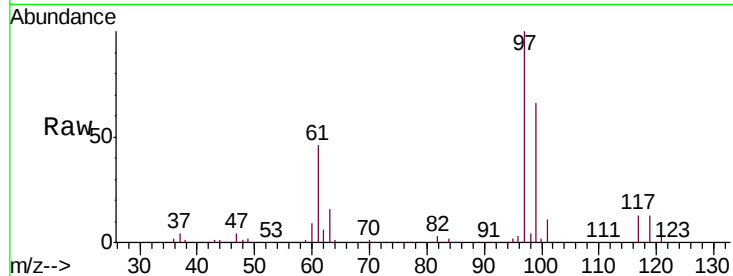




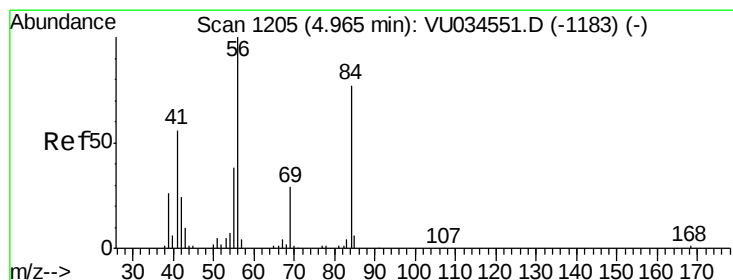
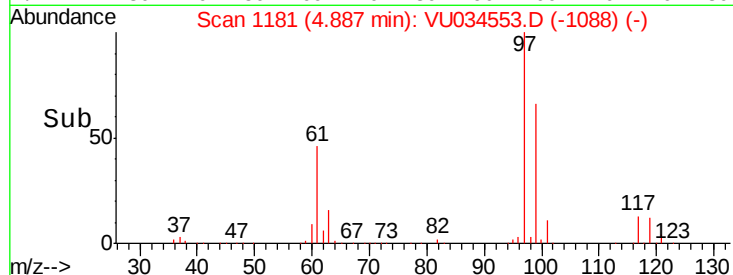
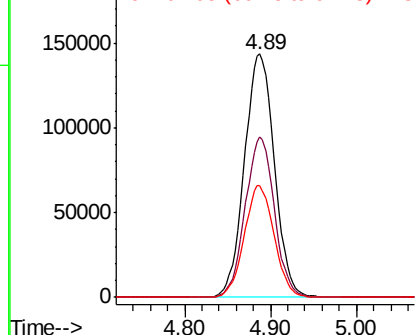
#29
 1,1,1-Trichloroethane
 Concen: 16.101 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VU034553.D
 Acq: 15 Sep 2019 09:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tgt Ion: 97 Resp: 348629
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.5 77.3
 61 45.7 38.5 57.7

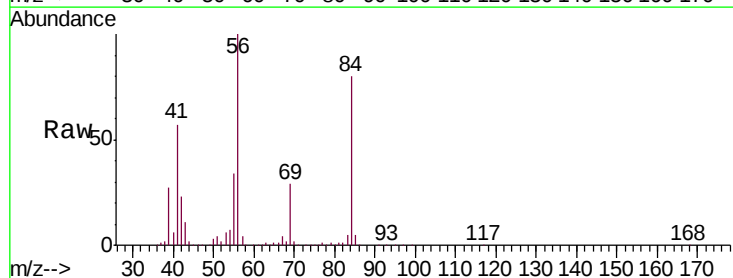


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

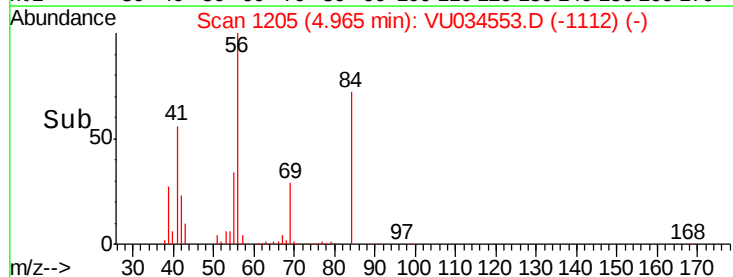
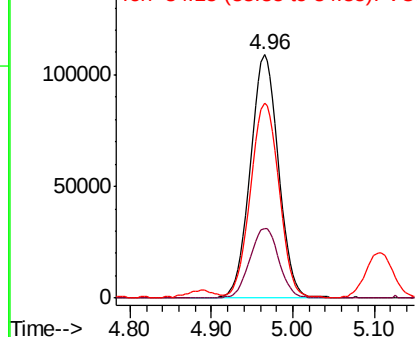


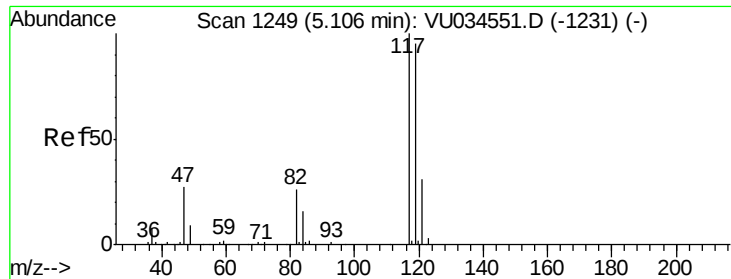
#30
 Cyclohexane
 Concen: 12.273 ug/L
 RT: 4.96 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VU034553.D
 Acq: 15 Sep 2019 09:37

Tgt Ion: 56 Resp: 255840
 Ion Ratio Lower Upper
 56 100
 69 29.9 25.6 38.4
 84 82.6 66.4 99.6



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

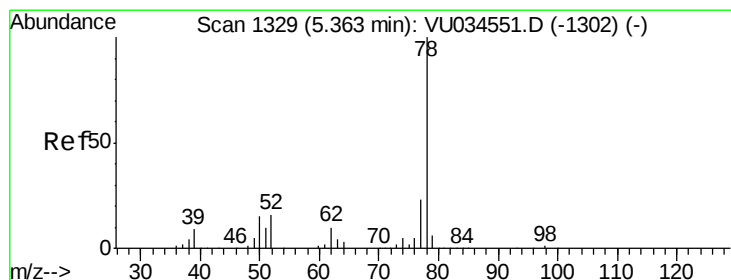
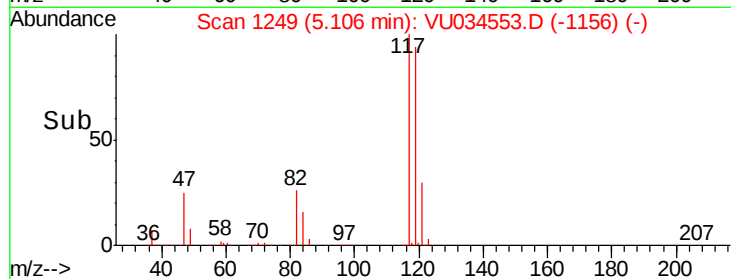
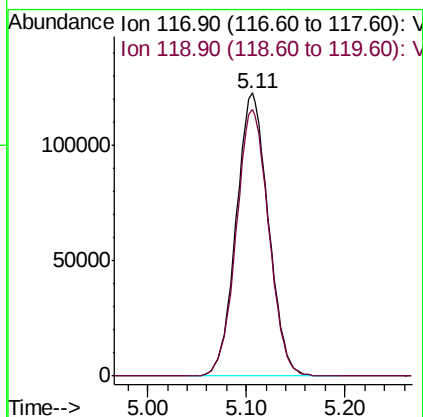
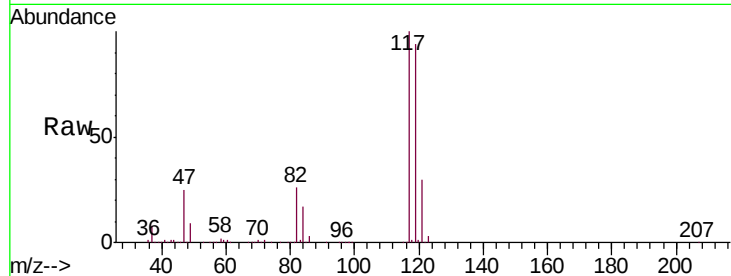




#31
Carbon tetrachloride
Concen: 14.739 ug/L
RT: 5.11 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU034553.D
Acq: 15 Sep 2019 09:37

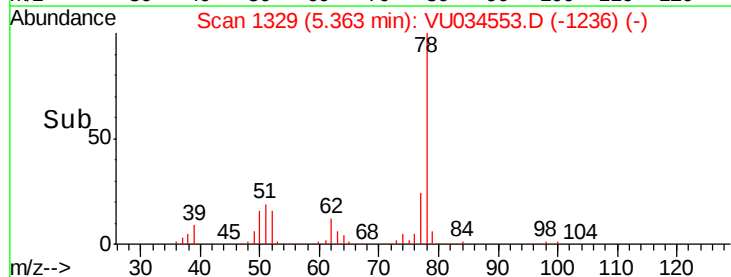
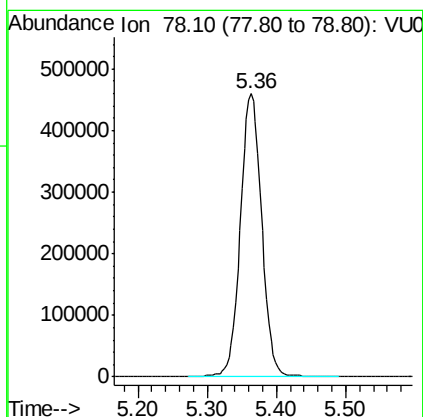
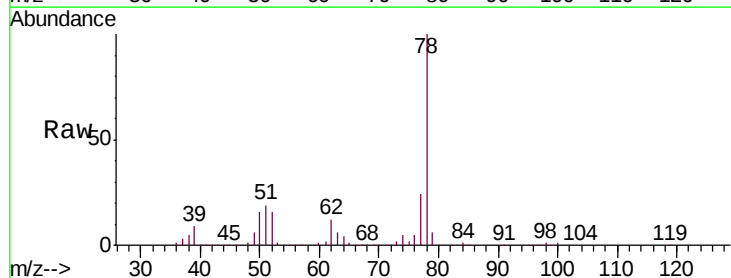
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

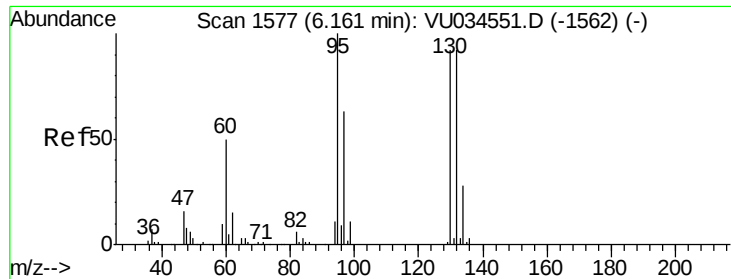
Tgt Ion:117 Resp: 277631
Ion Ratio Lower Upper
117 100
119 95.0 76.9 115.3



#33
Benzene
Concen: 17.583 ug/L
RT: 5.36 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VU034553.D
Acq: 15 Sep 2019 09:37

Tgt Ion: 78 Resp: 987543

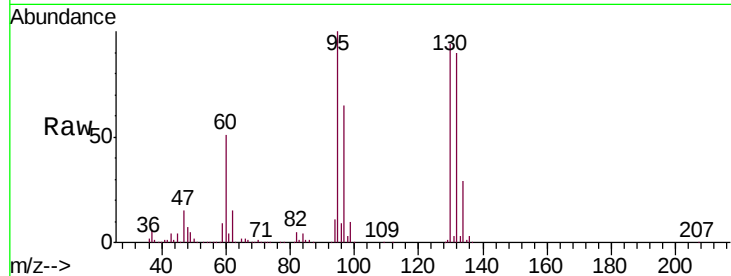




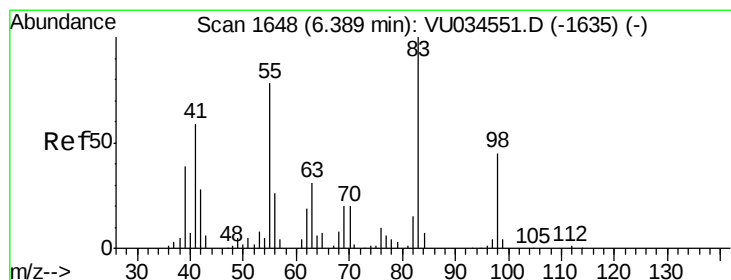
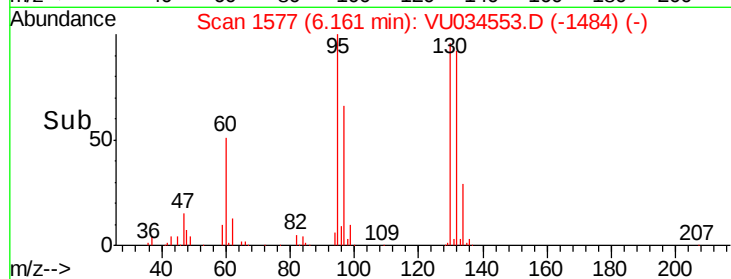
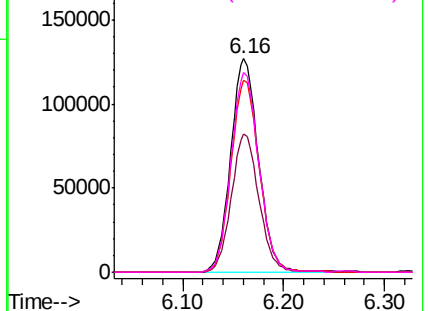
#34
 Trichloroethene
 Concen: 16.777 ug/L
 RT: 6.16 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VU034553.D
 Acq: 15 Sep 2019 09:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tgt Ion:	95	Resp:	244252
Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.4	82.5
132	90.2	64.8	120.3
130	93.7	64.5	119.9

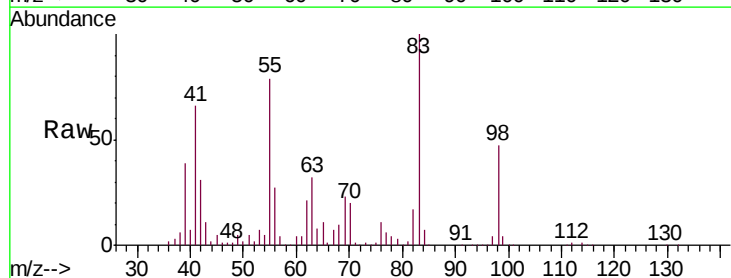


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

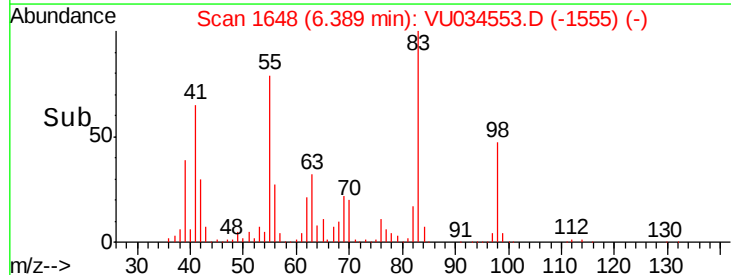
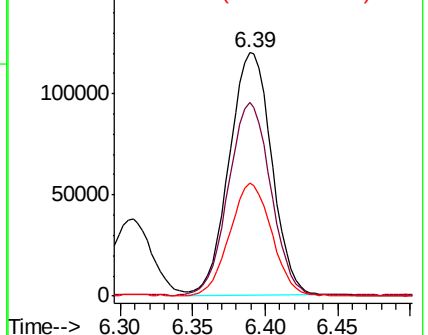


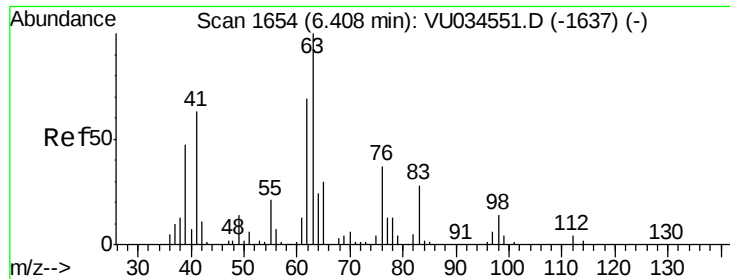
#35
 Methylcyclohexane
 Concen: 11.839 ug/L
 RT: 6.39 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU034553.D
 Acq: 15 Sep 2019 09:37

Tgt Ion:	83	Resp:	243859
Ion	Ratio	Lower	Upper
83	100		
55	79.0	63.6	95.4
98	46.0	38.4	57.6



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

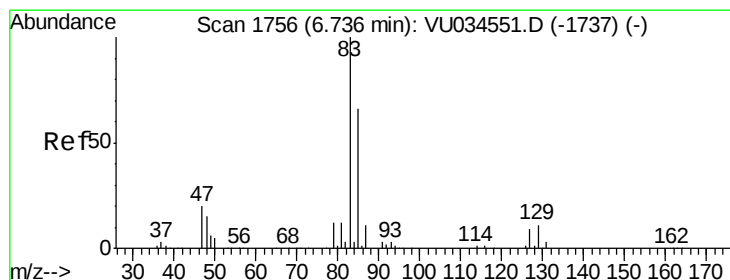
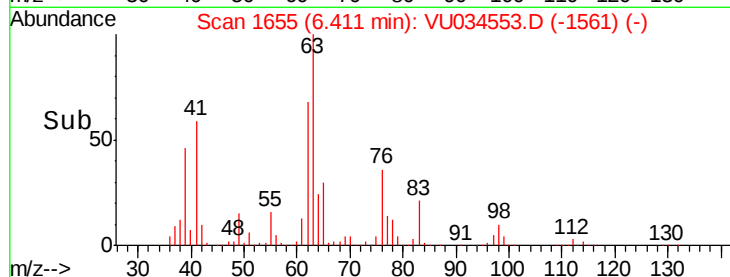
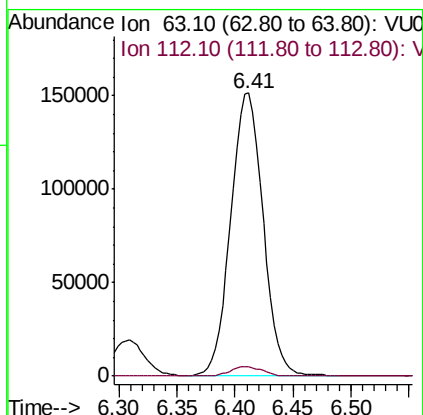
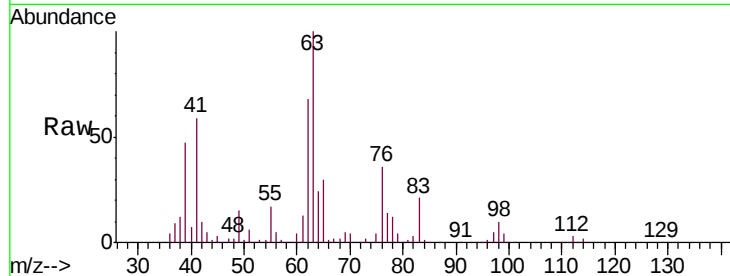




#37
 1,2-Dichloropropane
 Concen: 18.703 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034553.D
 Acq: 15 Sep 2019 09:37

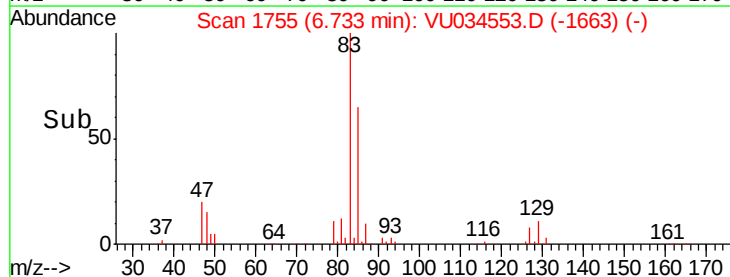
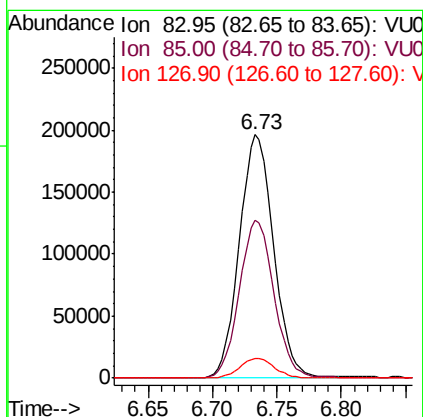
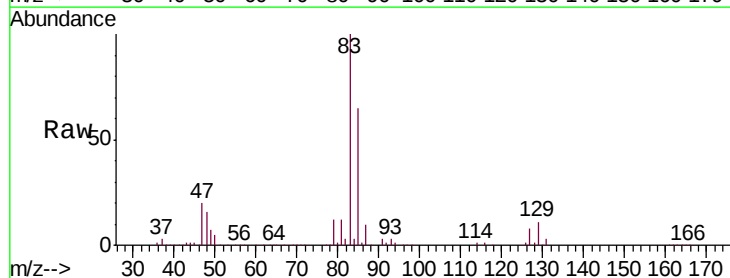
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

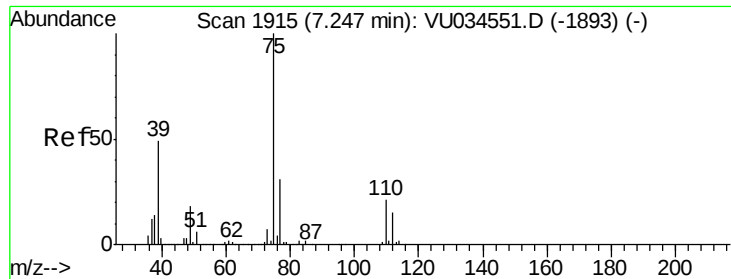
Tgt Ion: 63 Resp: 292761
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.9 4.3



#38
 Bromodichloromethane
 Concen: 18.890 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU034553.D
 Acq: 15 Sep 2019 09:37

Tgt Ion: 83 Resp: 363092
 Ion Ratio Lower Upper
 83 100
 85 64.8 46.5 86.5
 127 8.0 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 21.539 ug/L

RT: 7.25 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VU034553.D

Acq: 15 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampled :

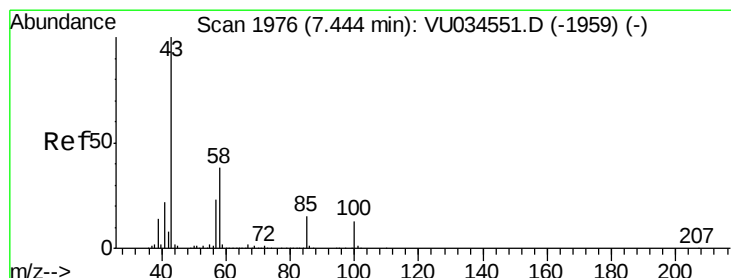
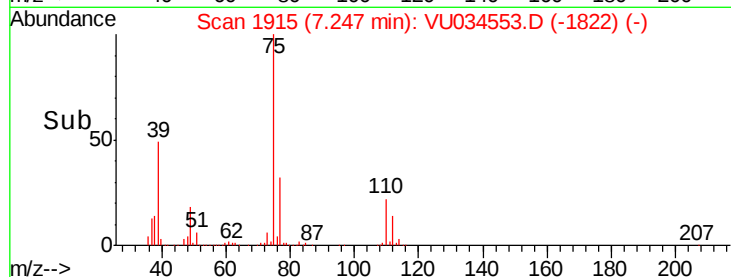
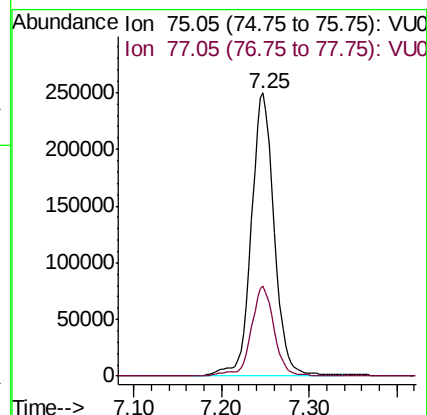
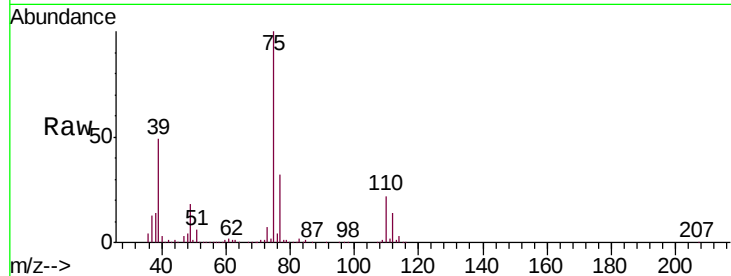
VSTD02006

Tgt Ion: 75 Resp: 454840

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 230.270 ug/L

RT: 7.44 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VU034553.D

Acq: 15 Sep 2019 09:37

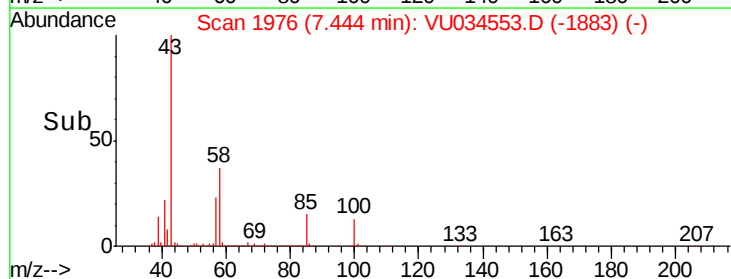
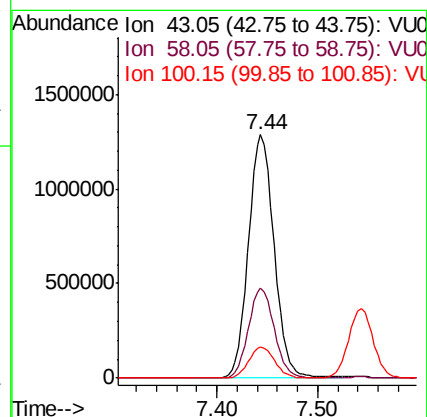
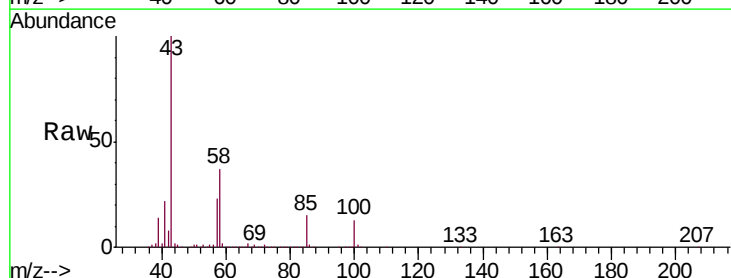
Tgt Ion: 43 Resp: 2255290

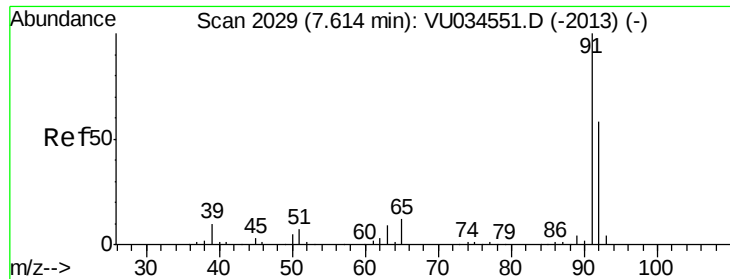
Ion Ratio Lower Upper

43 100

58 37.4 30.0 45.0

100 12.9 10.5 15.7





#42

Toluene

Concen: 18.448 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VU034553.D

Acq: 15 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

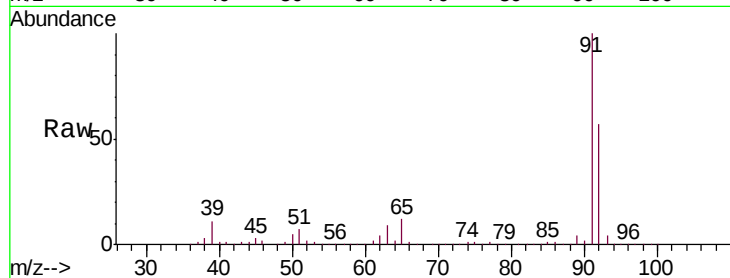
VSTD02006

Tgt Ion: 91 Resp: 1045453

Ion Ratio Lower Upper

91 100

92 57.4 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VU034553.D (-2013) (-)

Ion 92.15 (91.85 to 92.85): VU034553.D (-2013) (-)

7.61

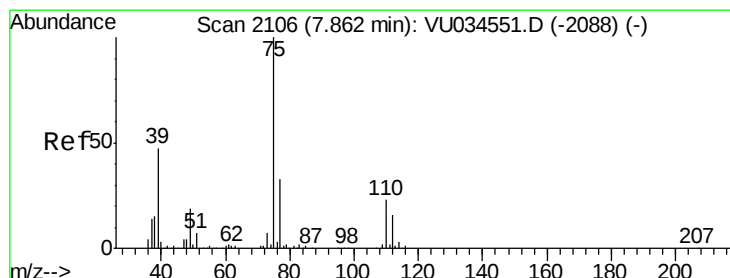
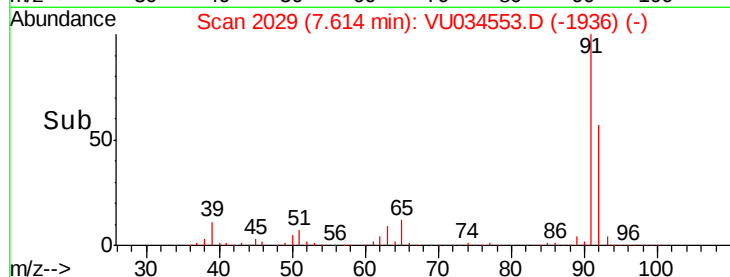
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 21.188 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034553.D

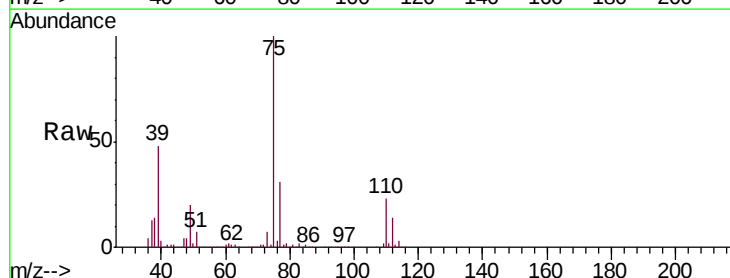
Acq: 15 Sep 2019 09:37

Tgt Ion: 75 Resp: 362941

Ion Ratio Lower Upper

75 100

77 31.4 23.4 43.4



Abundance Ion 75.05 (74.75 to 75.75): VU034553.D (-2105) (-)

Ion 77.05 (76.75 to 77.75): VU034553.D (-2105) (-)

7.86

200000

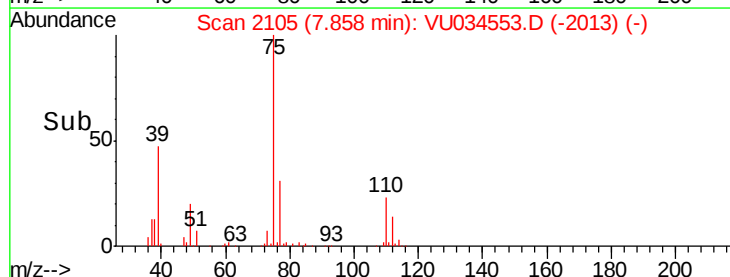
150000

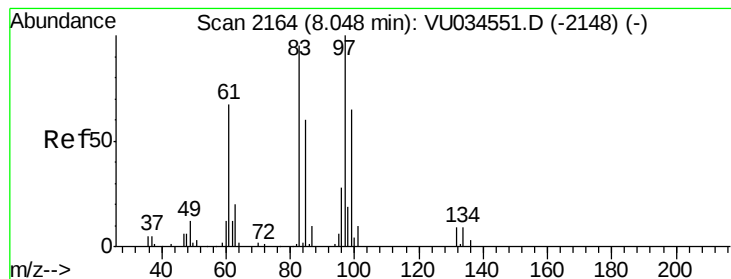
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 19.034 ug/L

RT: 8.04 min Scan# 2163

Delta R.T. -0.00 min

Lab File: VU034553.D

Acq: 15 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

Tgt Ion: 97 Resp: 201791

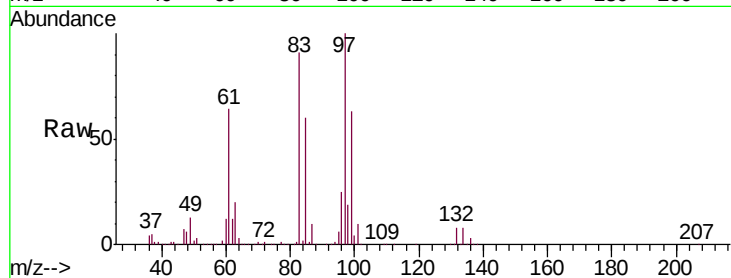
Ion Ratio Lower Upper

97 100

99 63.0 45.5 84.5

83 91.2 66.8 124.2

85 59.9 42.6 79.0

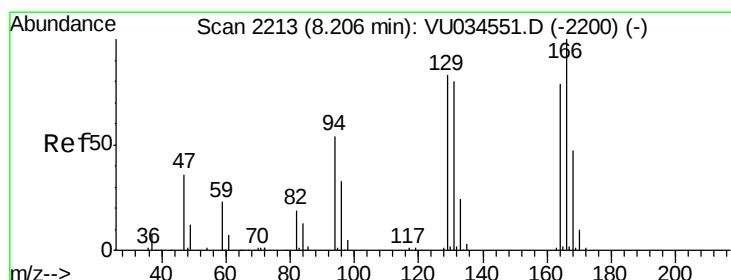
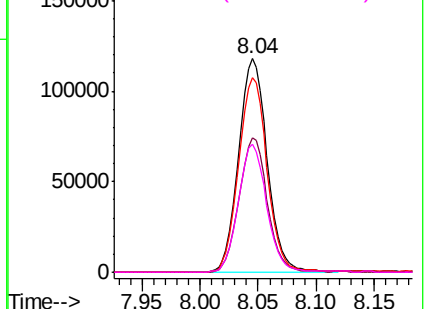
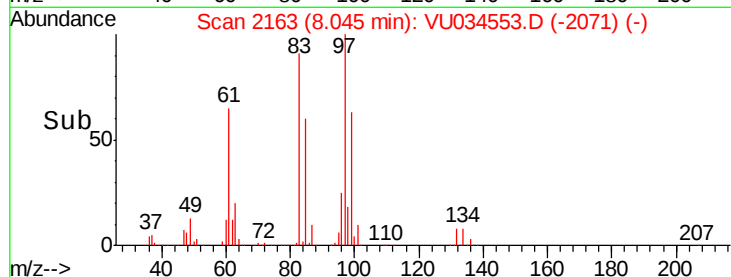


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 13.585 ug/L

RT: 8.20 min Scan# 2212

Delta R.T. -0.00 min

Lab File: VU034553.D

Acq: 15 Sep 2019 09:37

Tgt Ion: 164 Resp: 148675

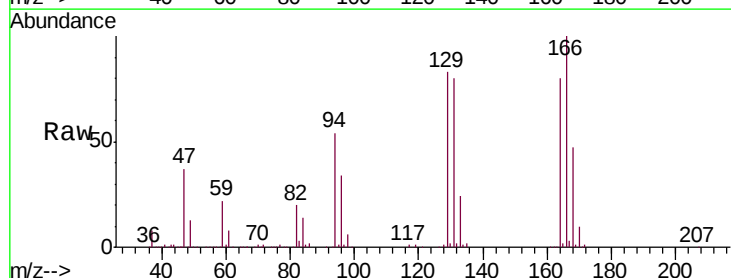
Ion Ratio Lower Upper

164 100

129 104.2 73.7 136.9

131 99.7 71.5 132.7

166 125.4 89.1 165.5

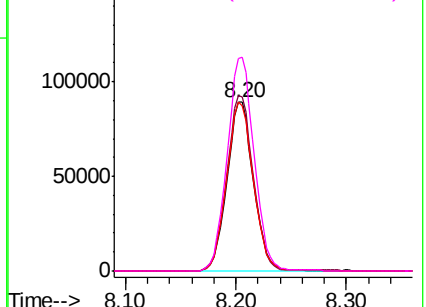
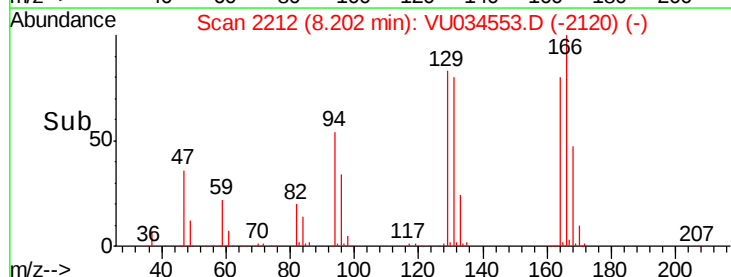


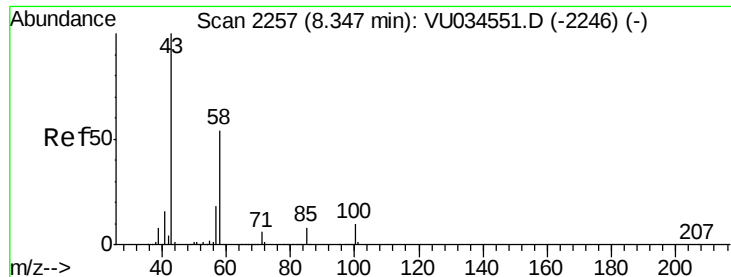
Abundance Ion 163.90 (163.60 to 164.60): V

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

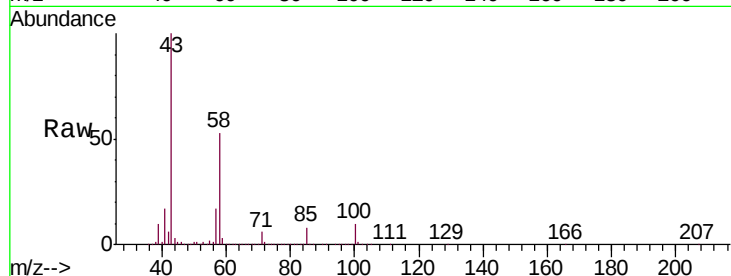




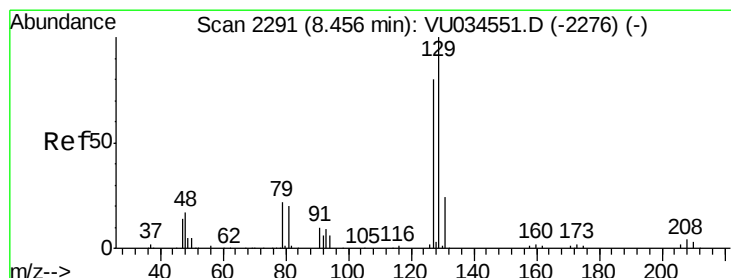
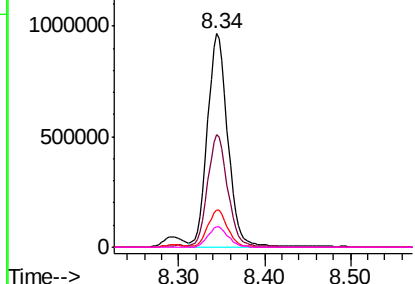
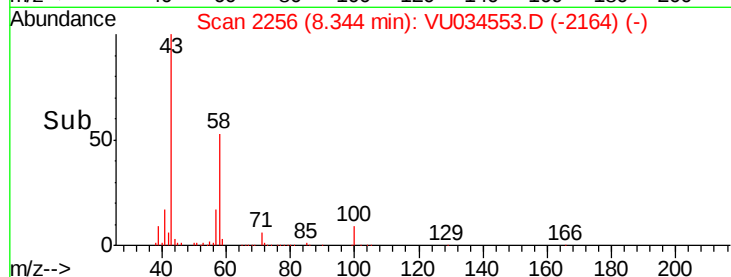
#48
2-Hexanone
Concen: 234.133 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034553.D
Acq: 15 Sep 2019 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Tgt Ion: 43 Resp: 1590416
Ion Ratio Lower Upper
43 100
58 52.4 43.3 64.9
57 17.3 14.0 21.0
100 9.7 8.2 12.2

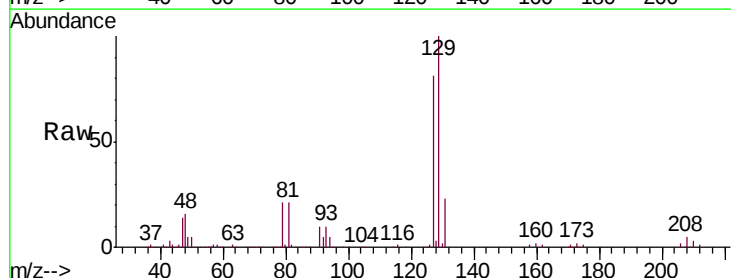


Abundance Ion 43.05 (42.75 to 43.75): VU0
1500000 Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

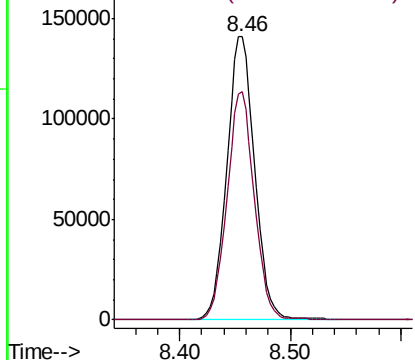
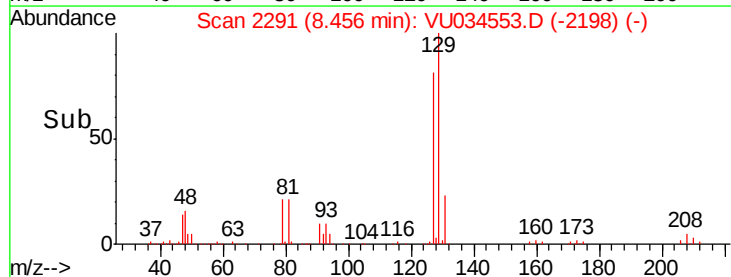


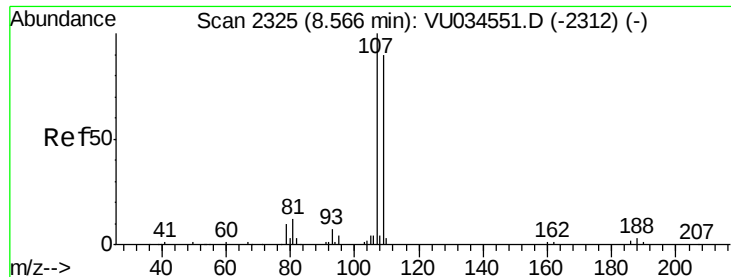
#49
Dibromochloromethane
Concen: 19.564 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034553.D
Acq: 15 Sep 2019 09:37

Tgt Ion: 129 Resp: 246928
Ion Ratio Lower Upper
129 100
127 80.5 56.2 104.4



Abundance Ion 128.95 (128.65 to 129.65): V
150000 Ion 126.90 (126.60 to 127.60): V

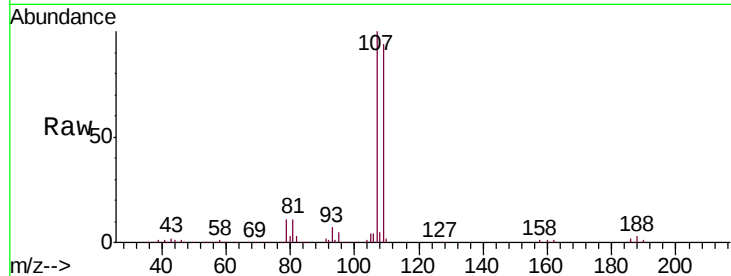




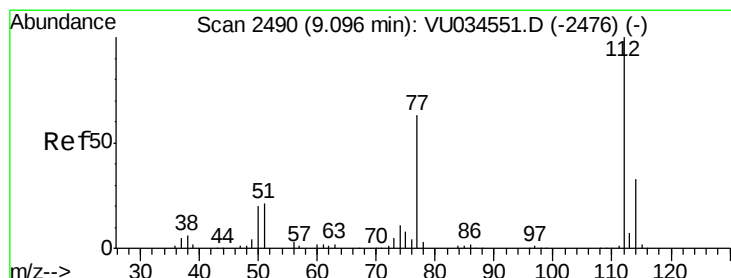
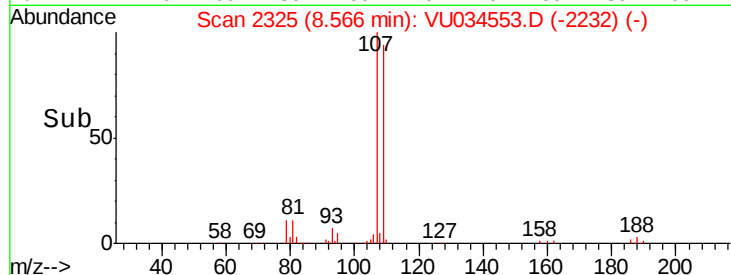
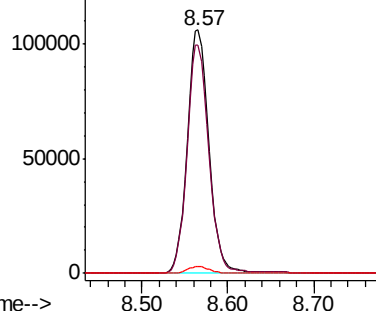
#50
1,2-Dibromoethane
Concen: 18.626 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU034553.D
Acq: 15 Sep 2019 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Tgt Ion:107 Resp: 187351
Ion Ratio Lower Upper
107 100
109 93.8 63.6 118.0
188 2.8 2.5 3.7

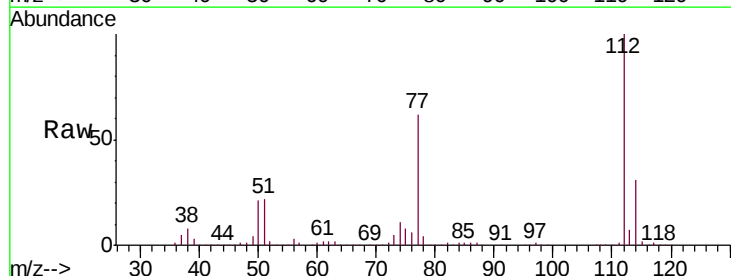


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

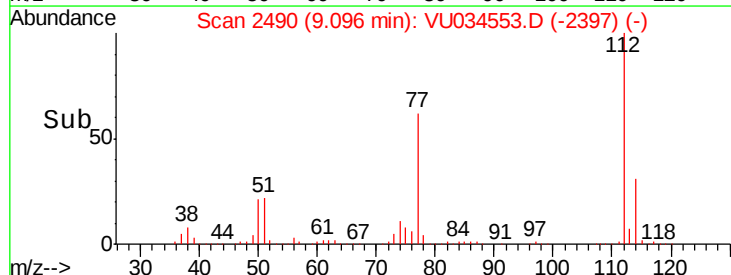
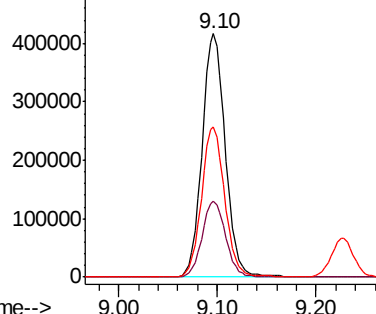


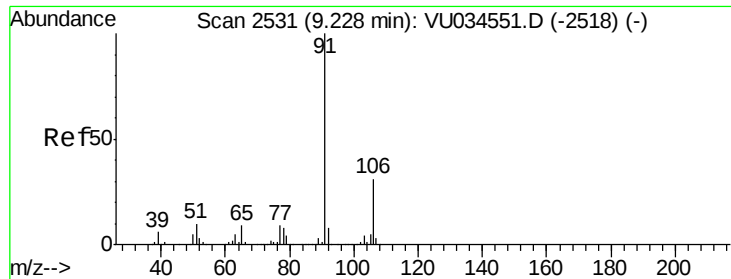
#51
Chlorobenzene
Concen: 18.229 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034553.D
Acq: 15 Sep 2019 09:37

Tgt Ion:112 Resp: 683114
Ion Ratio Lower Upper
112 100
114 31.3 22.9 42.5
77 61.9 51.0 76.4



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: 19.739 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034553.D

Acq: 15 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

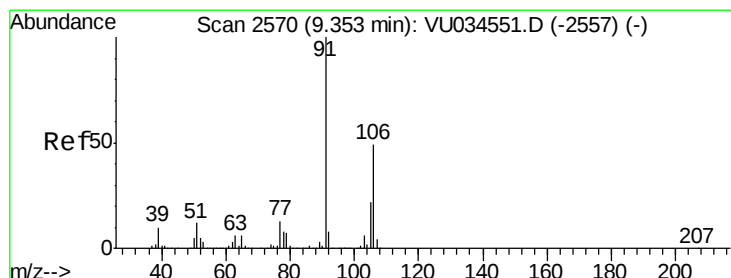
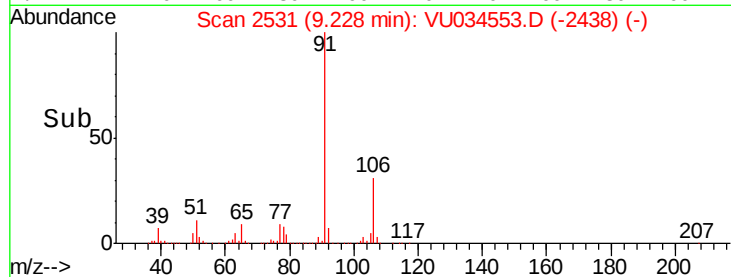
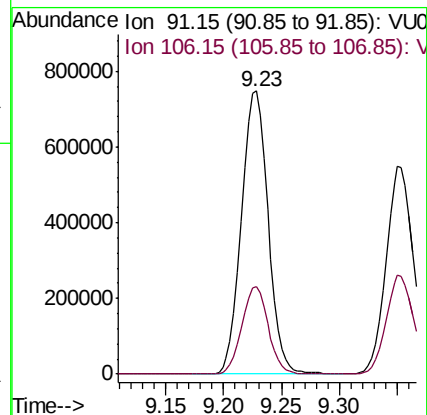
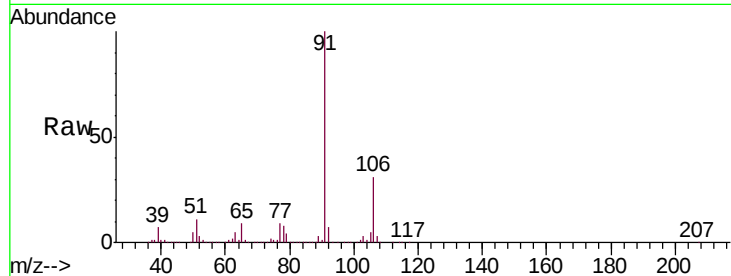
VSTD02006

Tgt Ion: 91 Resp: 1192658

Ion Ratio Lower Upper

91 100

106 30.9 21.7 40.3



#53

m,p-Xylene

Concen: 19.362 ug/L

RT: 9.35 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU034553.D

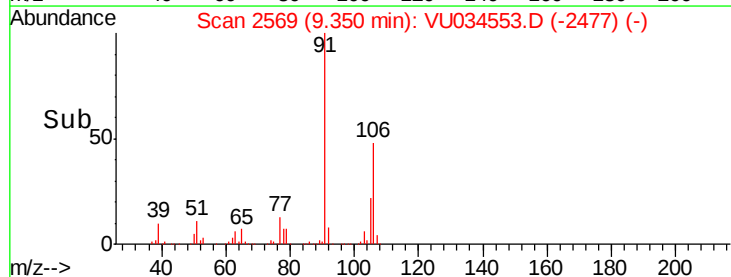
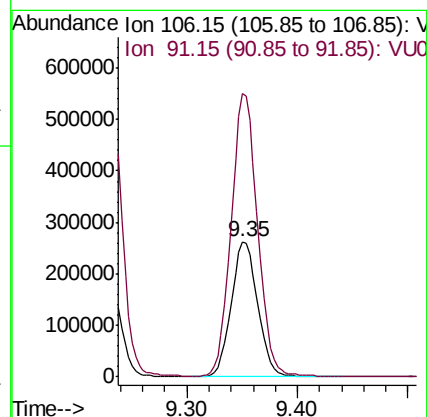
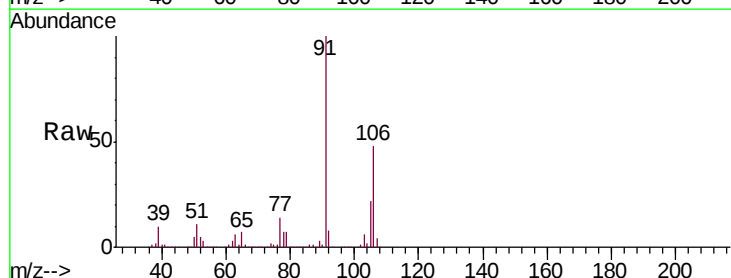
Acq: 15 Sep 2019 09:37

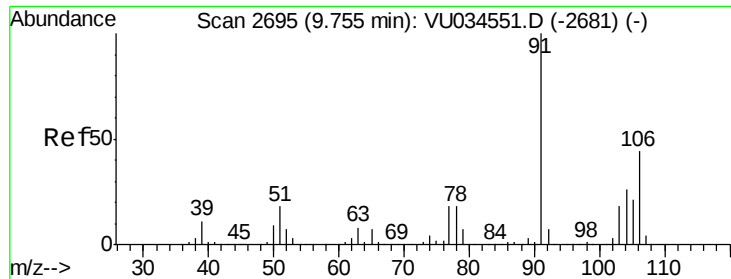
Tgt Ion: 106 Resp: 434824

Ion Ratio Lower Upper

106 100

91 209.7 144.3 267.9

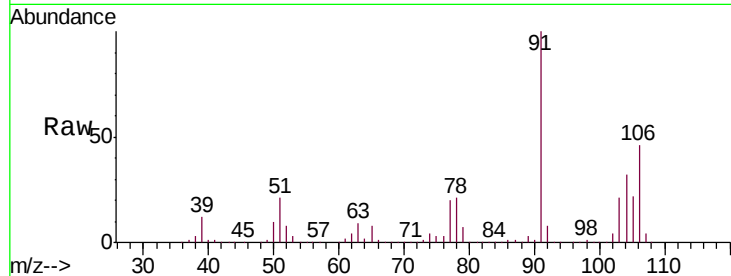




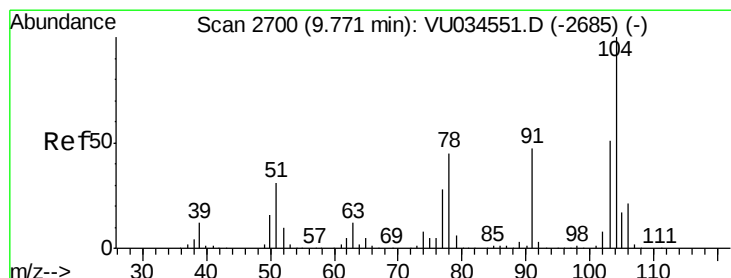
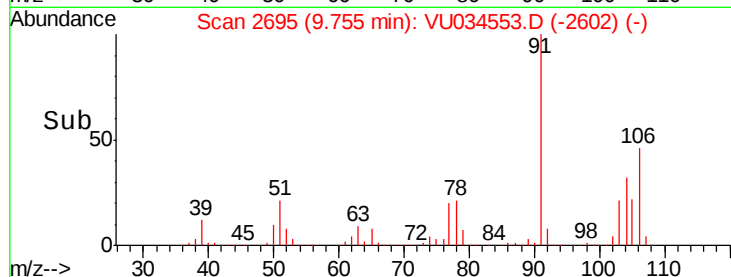
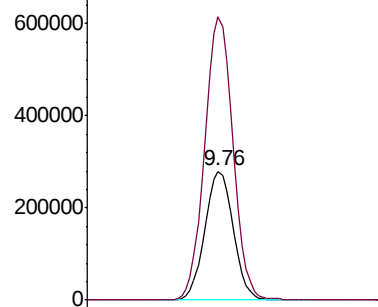
#54
o-Xylene
Concen: 20.615 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU034553.D
Acq: 15 Sep 2019 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Tgt Ion:106 Resp: 441516
Ion Ratio Lower Upper
106 100
91 219.6 158.7 294.7

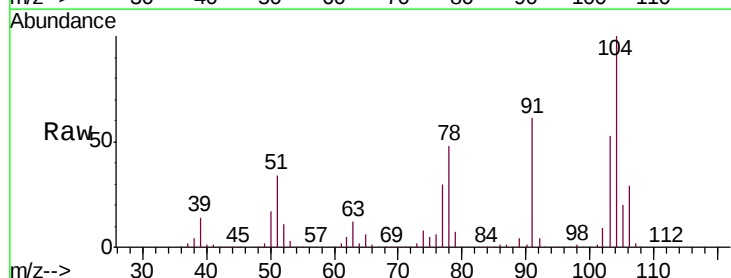


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

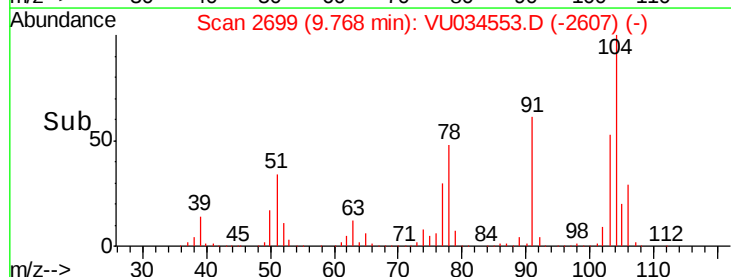
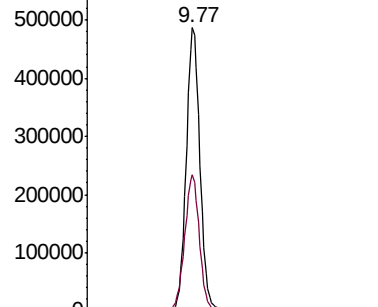


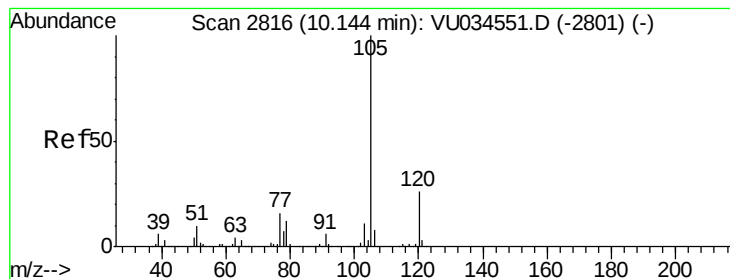
#55
Styrene
Concen: 21.190 ug/L
RT: 9.77 min Scan# 2699
Delta R.T. -0.00 min
Lab File: VU034553.D
Acq: 15 Sep 2019 09:37

Tgt Ion:104 Resp: 779689
Ion Ratio Lower Upper
104 100
78 48.1 31.8 59.0



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





#56

Isopropylbenzene

Concen: 19.984 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034553.D

Acq: 15 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

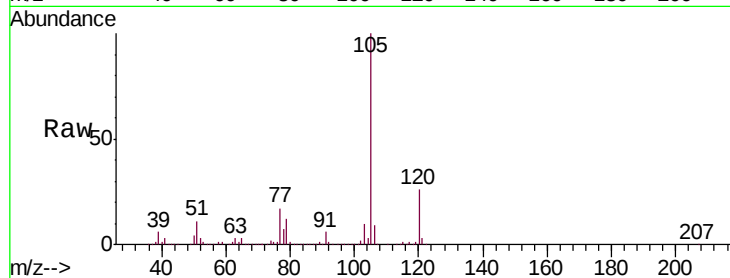
Tgt Ion:105 Resp: 1133975

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

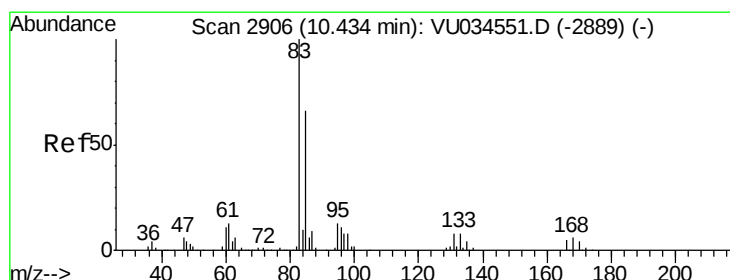
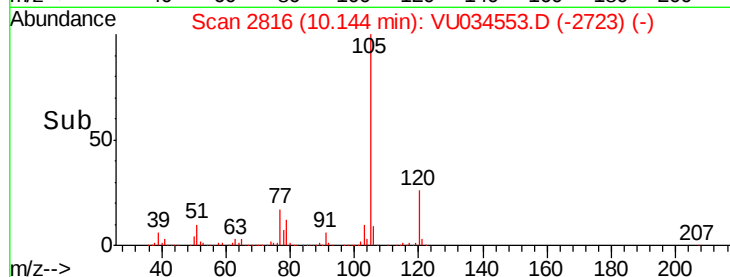
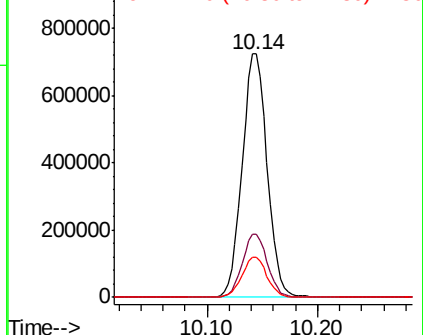
77 16.5 13.4 20.0



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: 20.233 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034553.D

Acq: 15 Sep 2019 09:37

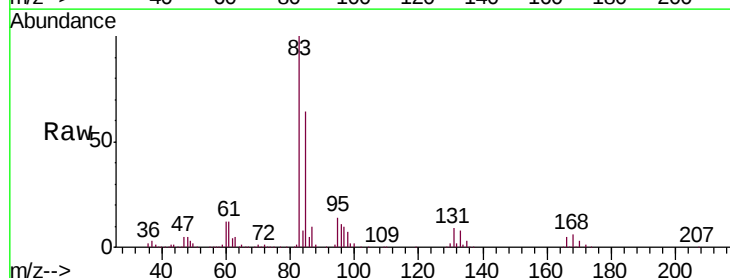
Tgt Ion: 83 Resp: 286380

Ion Ratio Lower Upper

83 100

85 63.8 46.2 85.8

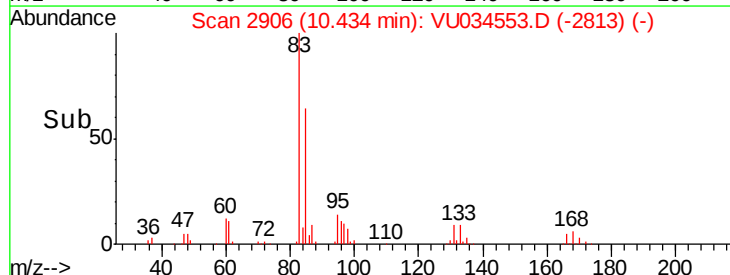
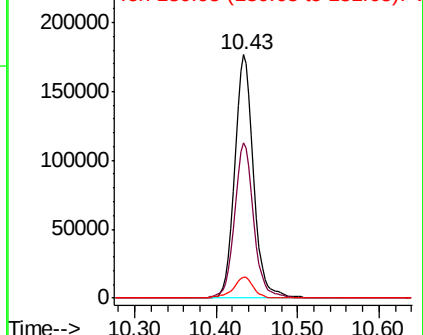
131 8.7 6.4 9.6

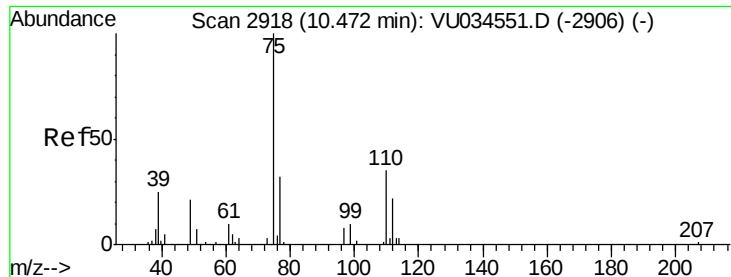


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 19.360 ug/L

RT: 10.47 min Scan# 2918

Delta R.T. 0.00 min

Lab File: VU034553.D

Acq: 15 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

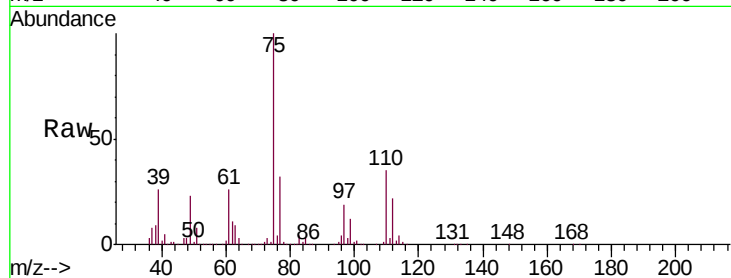
VSTD02006

Tgt Ion: 75 Resp: 194158

Ion Ratio Lower Upper

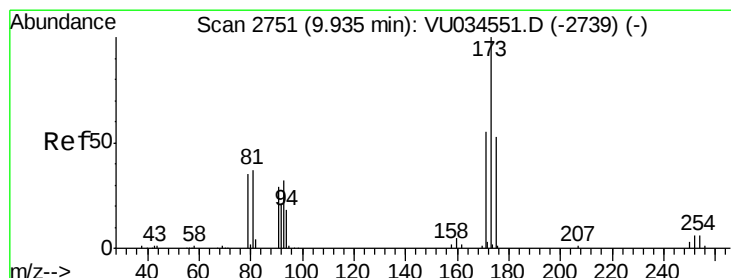
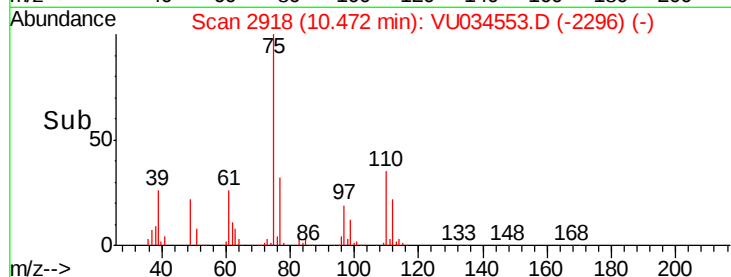
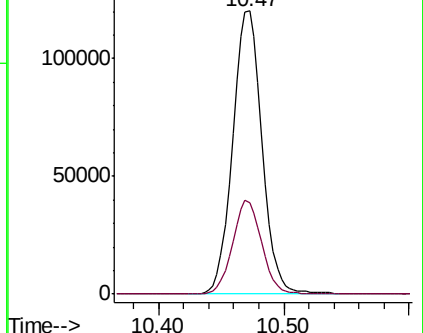
75 100

77 32.5 27.3 40.9



Abundance Ion 75.00 (74.70 to 75.70): VU034553.D (-2296) (-)

Ion 77.00 (76.70 to 77.70): VU034553.D (-2296) (-)



#61

Bromoform

Concen: 20.155 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VU034553.D

Acq: 15 Sep 2019 09:37

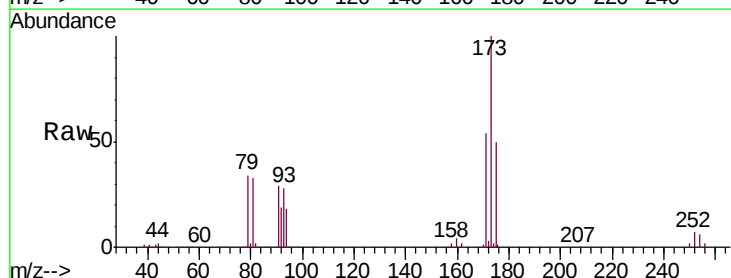
Tgt Ion: 173 Resp: 135241

Ion Ratio Lower Upper

173 100

175 48.7 39.8 59.6

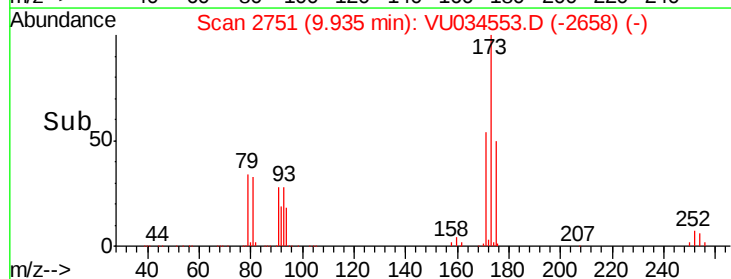
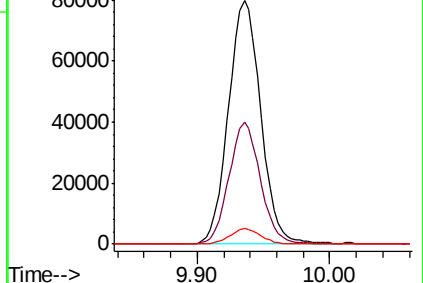
254 6.1 5.2 7.8

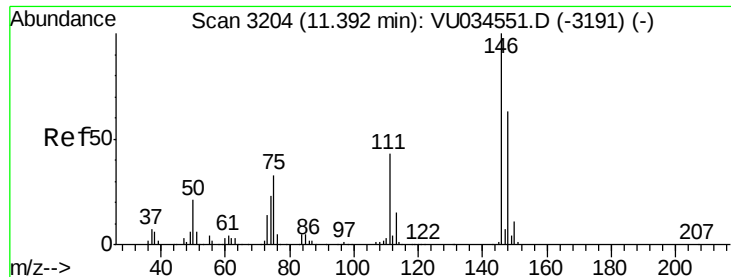


Abundance Ion 172.90 (172.60 to 173.60): VU034553.D (-2658) (-)

Ion 174.90 (174.60 to 175.60): VU034553.D (-2658) (-)

Ion 253.75 (253.45 to 254.45): VU034553.D (-2658) (-)





#62

1,3-Dichlorobenzene

Concen: 19.234 ug/L

RT: 11.39 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU034553.D

Acq: 15 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

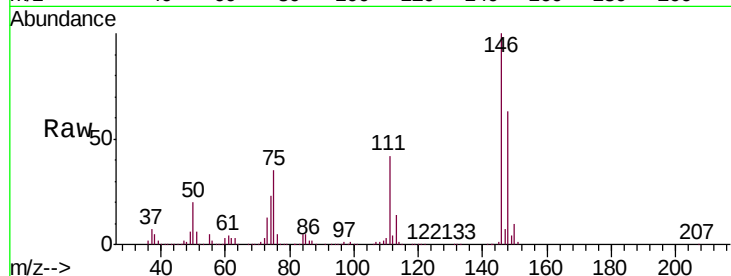
Tgt Ion:146 Resp: 530366

Ion Ratio Lower Upper

146 100

111 42.2 30.3 56.3

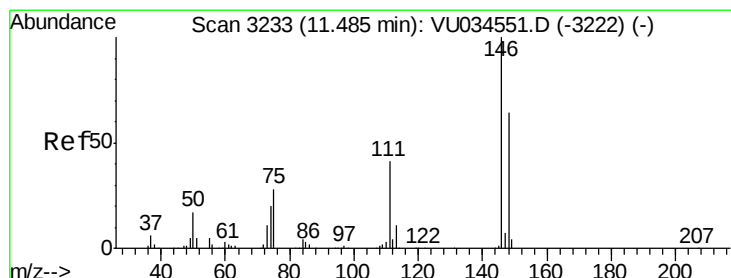
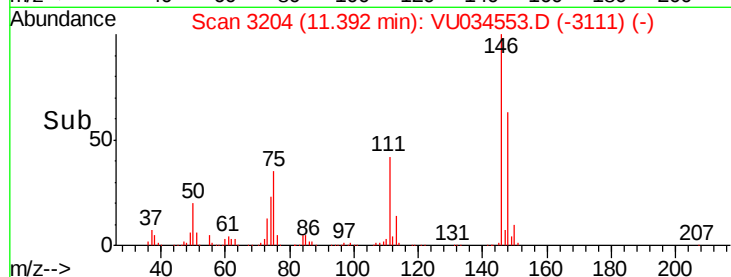
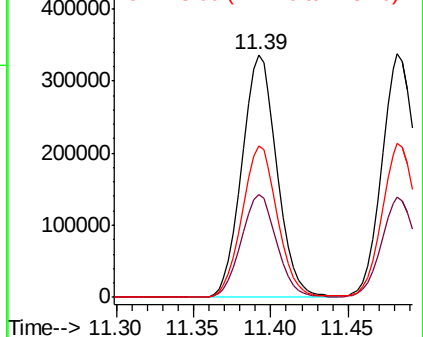
148 62.6 44.3 82.3



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: 18.710 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. -0.00 min

Lab File: VU034553.D

Acq: 15 Sep 2019 09:37

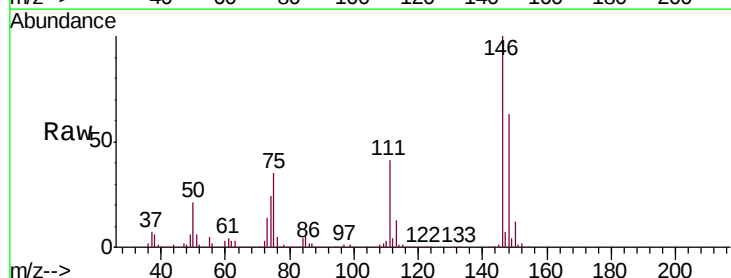
Tgt Ion:146 Resp: 533912

Ion Ratio Lower Upper

146 100

111 41.2 29.2 54.2

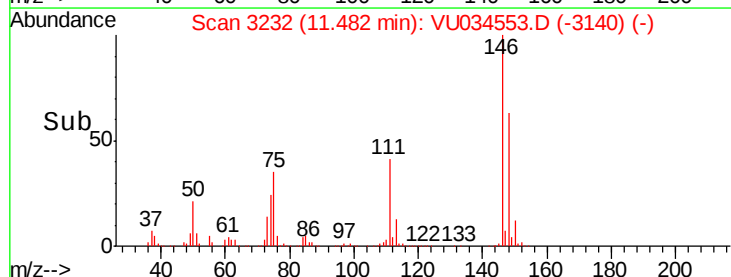
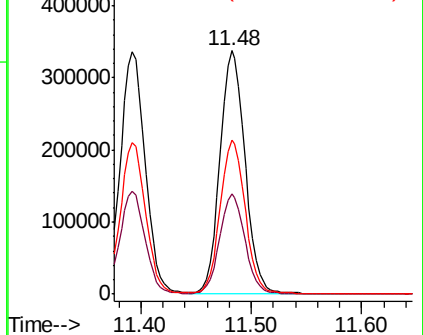
148 63.1 44.5 82.7

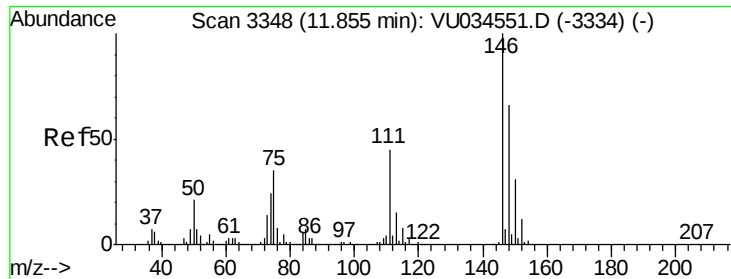


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

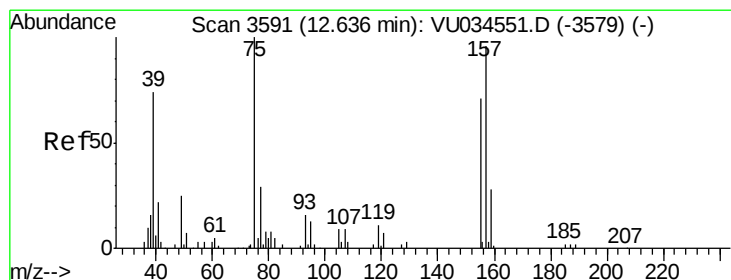
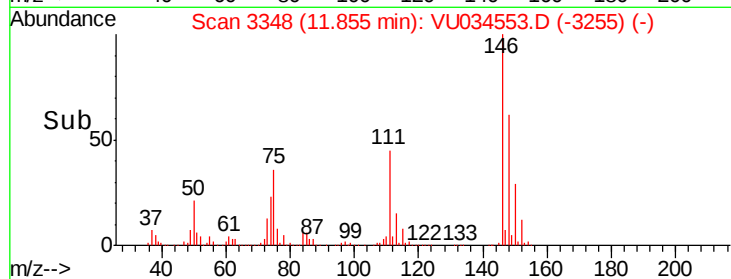
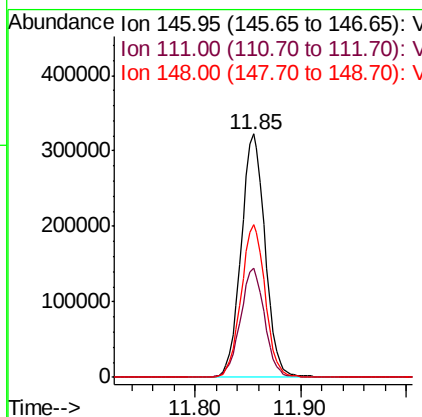
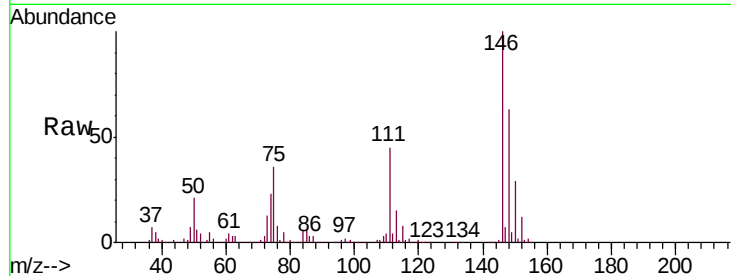




#65
 1,2-Dichlorobenzene
 Concen: 19.028 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034553.D
 Acq: 15 Sep 2019 09:37

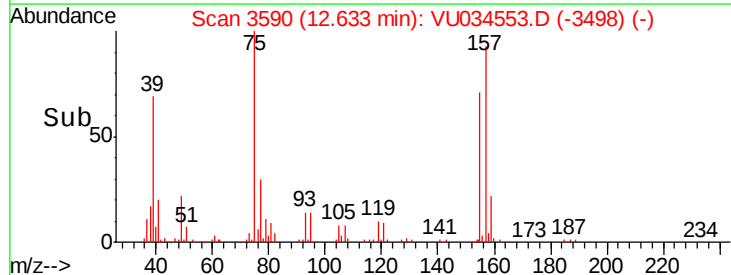
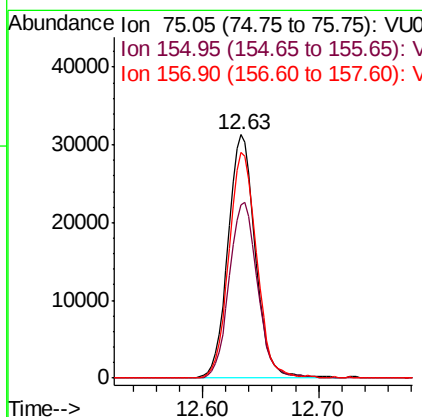
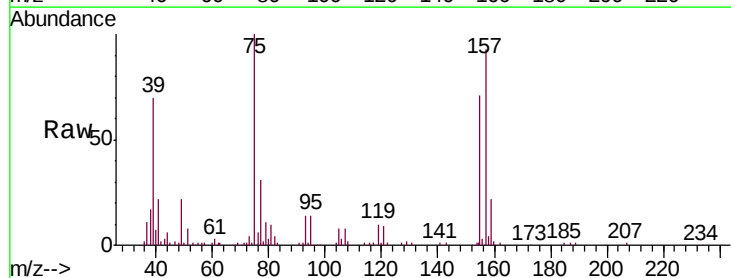
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

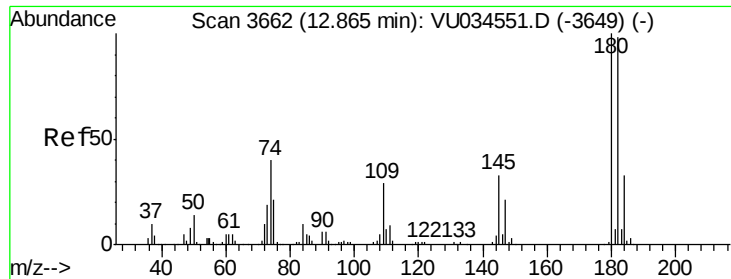
Tgt Ion: 146 Resp: 506625
 Ion Ratio Lower Upper
 146 100
 111 44.6 36.4 54.6
 148 62.5 52.6 78.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.435 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.00 min
 Lab File: VU034553.D
 Acq: 15 Sep 2019 09:37

Tgt Ion: 75 Resp: 50853
 Ion Ratio Lower Upper
 75 100
 155 71.2 57.2 85.8
 157 92.7 77.0 115.4

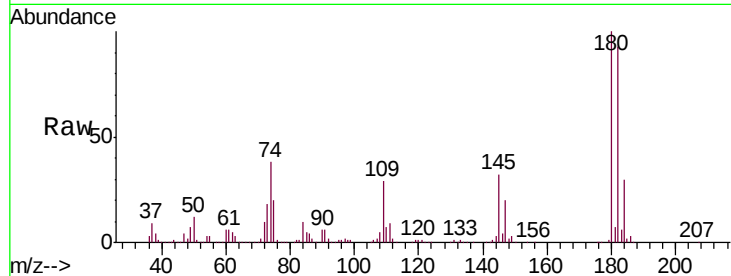




#67
 1,3,5-Trichlorobenzene
 Concen: 17.915 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VU034553.D
 Acq: 15 Sep 2019 09:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.9	113.9
184	30.4	24.2	36.2
145	32.3	25.9	38.9



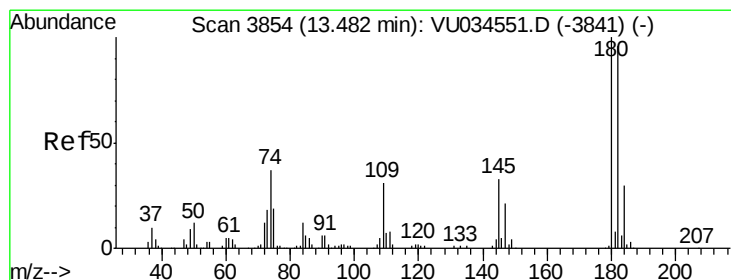
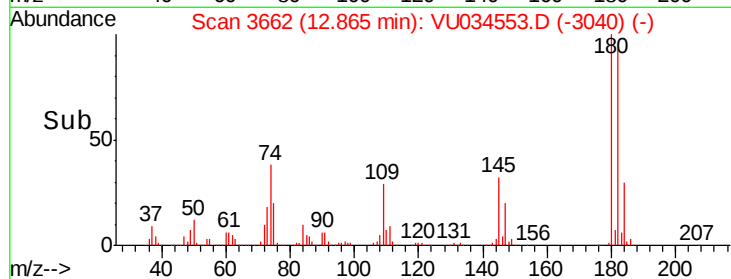
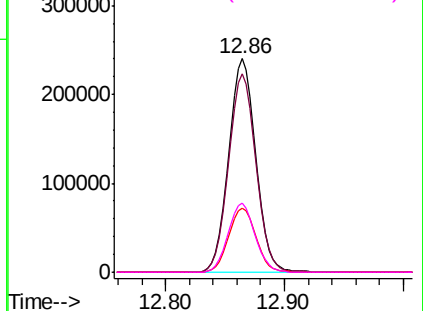
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

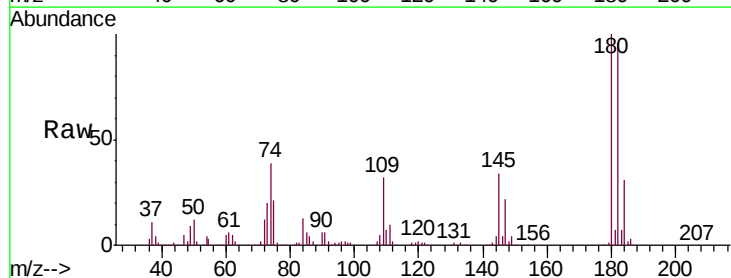
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 21.375 ug/L
 RT: 13.48 min Scan# 3853
 Delta R.T. -0.00 min
 Lab File: VU034553.D
 Acq: 15 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.1	114.1
145	33.6	27.0	40.6

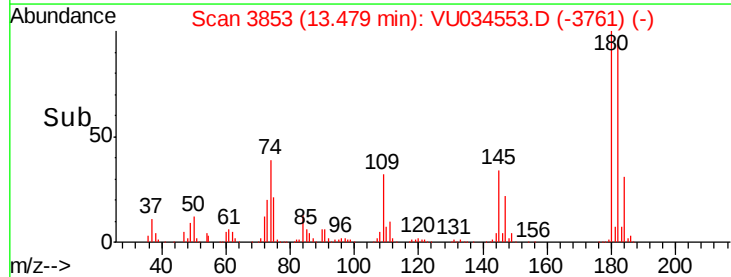
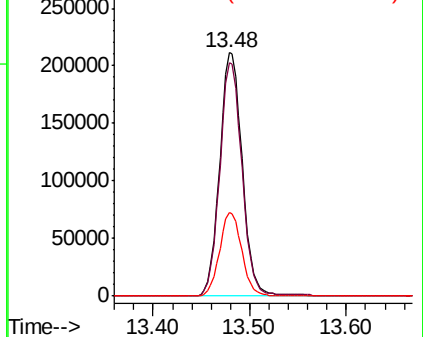


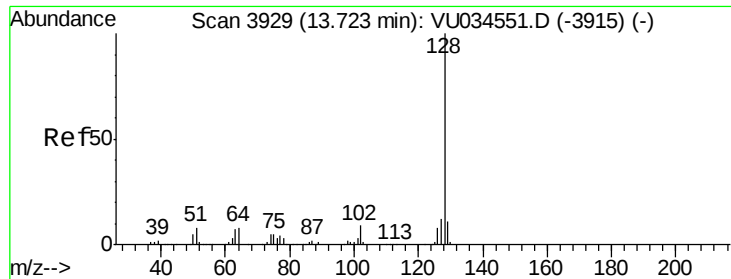
Abundance

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: 29.044 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034553.D

Acq: 15 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

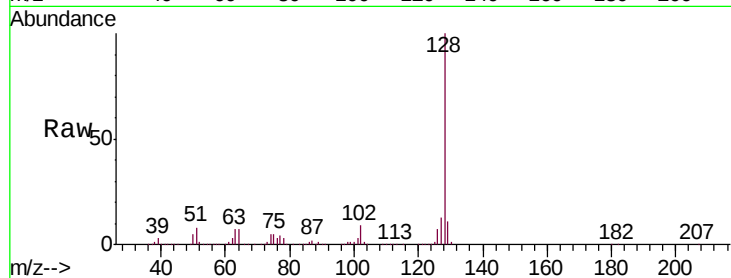
Tgt Ion:128 Resp: 778523

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

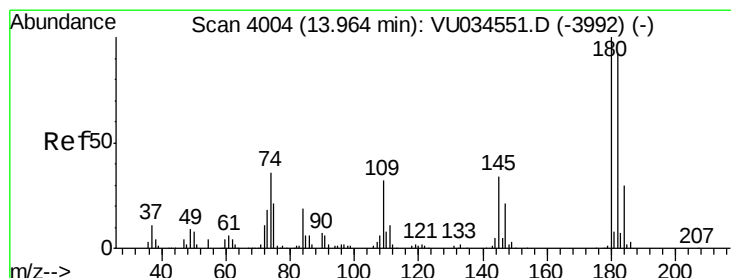
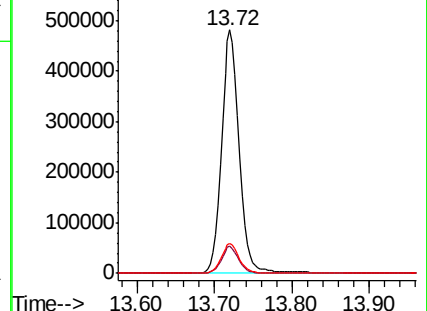
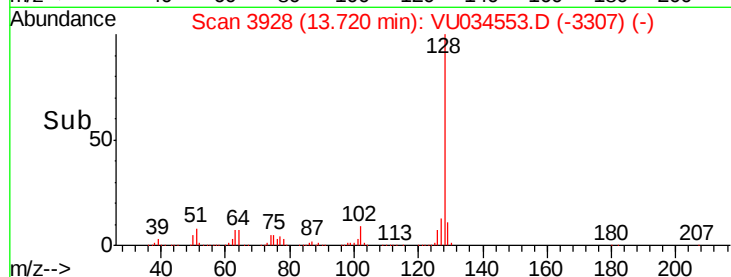
127 12.6 10.1 15.1



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: 20.384 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. 0.00 min

Lab File: VU034553.D

Acq: 15 Sep 2019 09:37

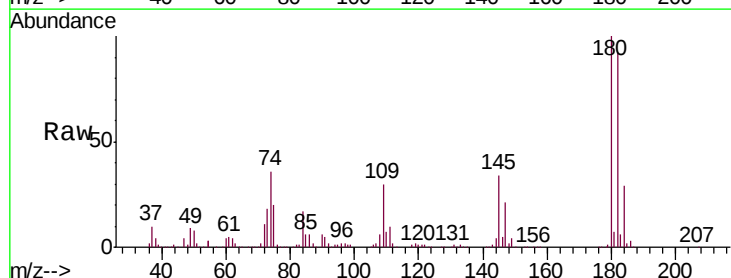
Tgt Ion:180 Resp: 313955

Ion Ratio Lower Upper

180 100

182 93.7 72.8 109.2

145 34.8 27.2 40.8



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

