

Data File : VU034554.D
Acq On : 15 Sep 2019 10:32
Operator : JC/SP
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV01

Quant Time: Sep 16 03:28:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 16 03:07:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	197958	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	187645	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	90414	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	64144	4.72	ug/L	0.00
7) Chloroethane-d5	1.67	69	52861	5.11	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	102600	4.66	ug/L	0.00
20) 2-Butanone-d5	4.16	46	202054	45.48	ug/L	0.00
24) Chloroform-d	4.62	84	121401	4.73	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	62945	4.51	ug/L	0.00
32) Benzene-d6	5.31	84	248572	4.87	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	85610	4.86	ug/L	0.00
41) Toluene-d8	7.54	98	232973	4.85	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	35942	4.66	ug/L	0.00
46) 2-Hexanone-d5	8.29	63	165916	45.13	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	68698	4.57	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	80982	4.99	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	45506	4.682 ug/L	100
3) Chloromethane	1.32	50	66223	4.921 ug/L	97
5) Vinyl chloride	1.40	62	58514	4.821 ug/L	96
6) Bromomethane	1.62	94	35383	5.584 ug/L	92
8) Chloroethane	1.69	64	36853	5.186 ug/L	98
9) Trichlorofluoromethane	1.88	101	66834	4.717 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	34335	4.564 ug/L	97
12) 1,1-Dichloroethene	2.27	96	38531	4.806 ug/L	90
13) Acetone	2.31	43	123619	43.335 ug/L	98
14) Carbon disulfide	2.46	76	101417	4.889 ug/L	95
15) Methyl Acetate	2.60	43	32790	4.490 ug/L	97
16) Methylene chloride	2.68	84	52979	4.630 ug/L	97
17) Methyl tert-butyl Ether	2.98	73	153391	4.767 ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	44464	4.862 ug/L	97
19) 1,1-Dichloroethane	3.42	63	114762	4.843 ug/L	98
21) 2-Butanone	4.25	43	212175	46.825 ug/L	96
22) cis-1,2-Dichloroethene	4.20	96	67026	4.829 ug/L	92
23) Bromochloromethane	4.52	128	27682	4.803 ug/L	94
25) Chloroform	4.65	83	116567	4.564 ug/L	99
27) 1,2-Dichloroethane	5.38	62	70466	4.743 ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	85287	4.663 ug/L	98
30) Cyclohexane	4.96	56	67824	4.741 ug/L	99
31) Carbon tetrachloride	5.11	117	70380	4.921 ug/L	98
33) Benzene	5.36	78	243756	4.866 ug/L	100
34) Trichloroethene	6.16	95	60882	4.884 ug/L	95
35) Methylcyclohexane	6.39	83	67259	4.581 ug/L	97
37) 1,2-Dichloropropane	6.41	63	74086	5.048 ug/L	100
38) Bromodichloromethane	6.73	83	88976	4.821 ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	111285	5.016 ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	551224	46.314 ug/L	99

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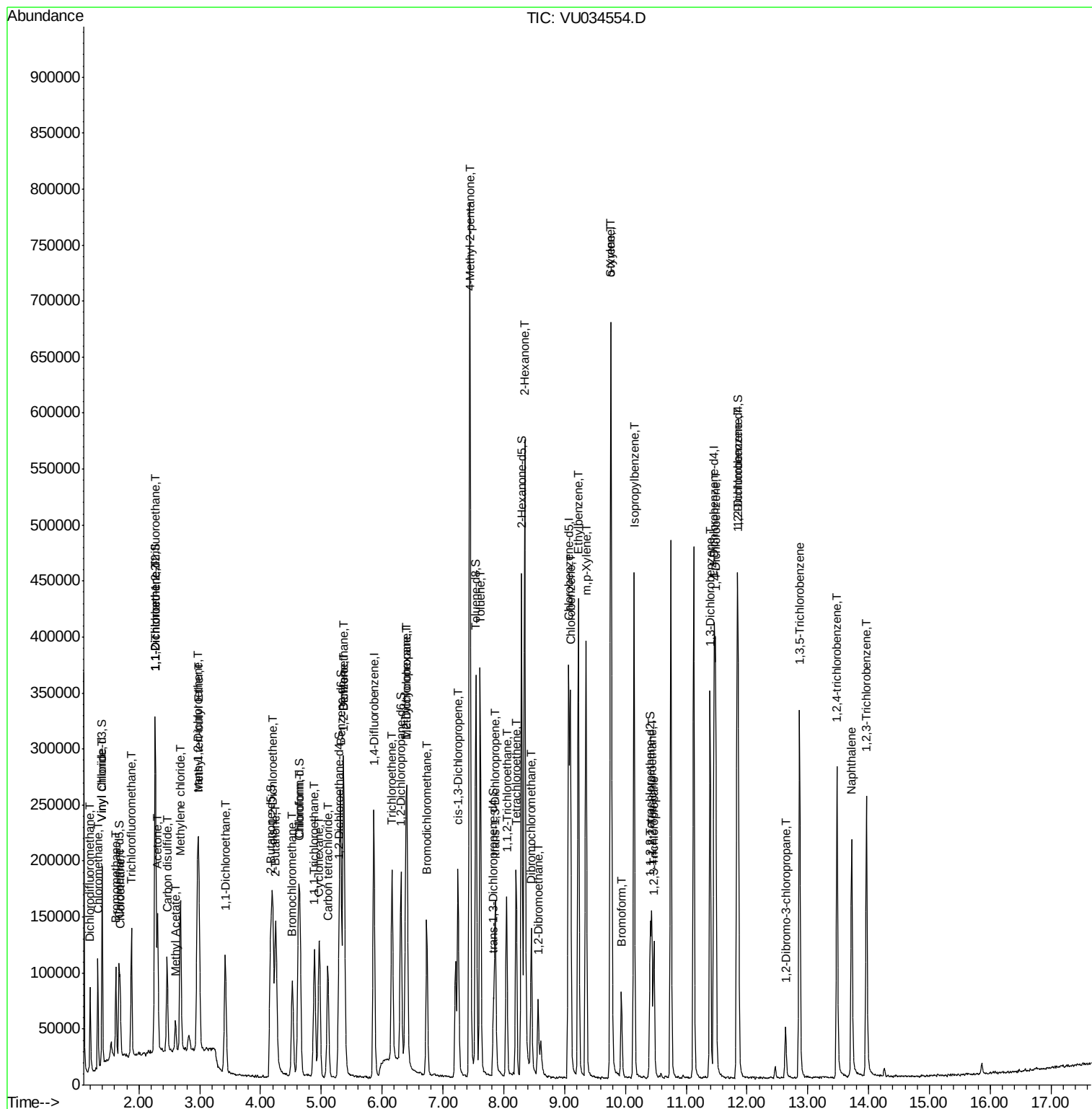
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.61	91	260763	4.920	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	87642	4.773	ug/L	97
45) 1,1,2-Trichloroethane	8.04	97	49872	4.776	ug/L	95
47) Tetrachloroethene	8.21	164	35997	4.729	ug/L	98
48) 2-Hexanone	8.34	43	388071	48.037	ug/L	97
49) Dibromochloromethane	8.45	129	62430	4.913	ug/L	96
50) 1,2-Dibromoethane	8.57	107	46355	4.705	ug/L	98
51) Chlorobenzene	9.10	112	172487	5.017	ug/L	98
52) Ethylbenzene	9.23	91	301346	5.035	ug/L	99
53) m,p-Xylene	9.35	106	109659	4.975	ug/L	98
54) o-Xylene	9.76	106	112093	4.966	ug/L	95
55) Styrene	9.77	104	195707	5.058	ug/L	99
56) Isopropylbenzene	10.14	105	290853	5.018	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.43	83	70723	4.660	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	47783	4.608	ug/L	98
61) Bromoform	9.94	173	33019	4.702	ug/L	97
62) 1,3-Dichlorobenzene	11.39	146	133859	4.912	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	134939	4.968	ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	129251	4.967	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.63	75	12162	4.714	ug/L	95
67) 1,3,5-Trichlorobenzene	12.86	180	95417	5.188	ug/L	99
68) 1,2,4-trichlorobenzene	13.48	180	79643	5.355	ug/L	99
69) Naphthalene	13.72	128	177109	5.374	ug/L	98
70) 1,2,3-Trichlorobenzene	13.96	180	72703	5.091	ug/L	95

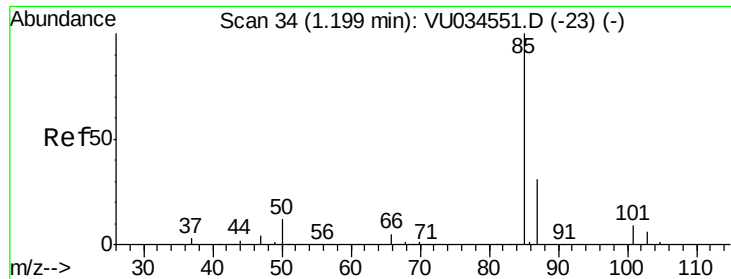
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.682 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034554.D

Acq: 15 Sep 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

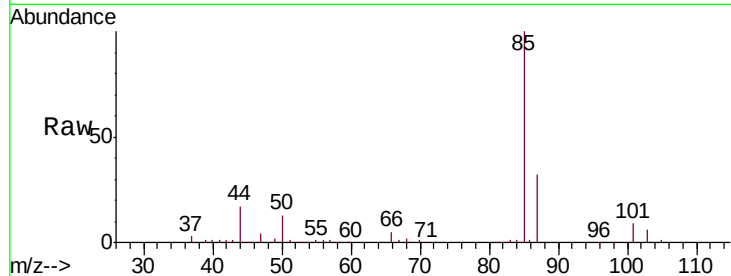
VICV01

Tgt Ion: 85 Resp: 45506

Ion Ratio Lower Upper

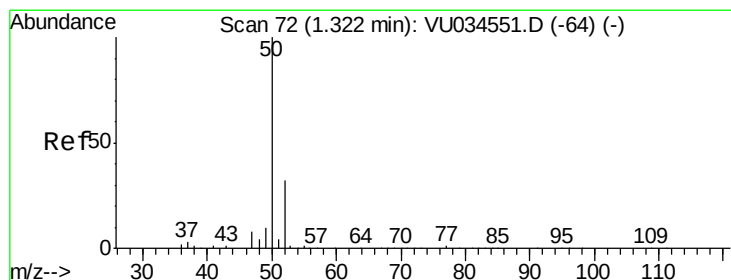
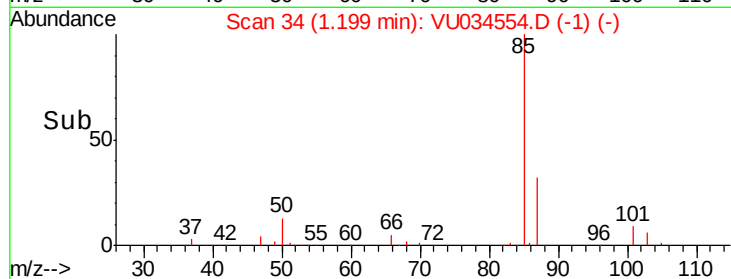
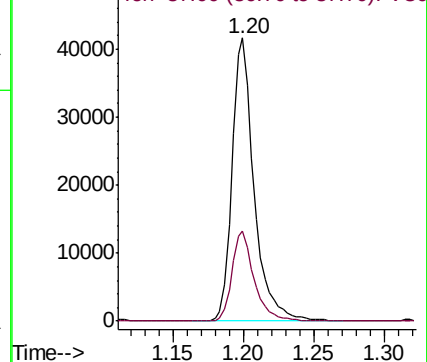
85 100

87 31.8 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.921 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034554.D

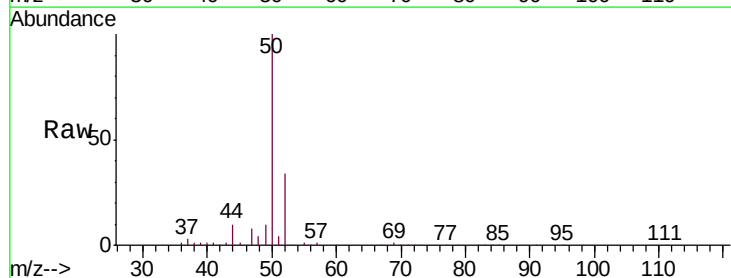
Acq: 15 Sep 2019 10:32

Tgt Ion: 50 Resp: 66223

Ion Ratio Lower Upper

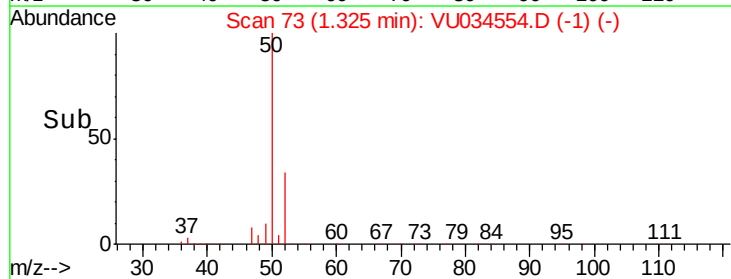
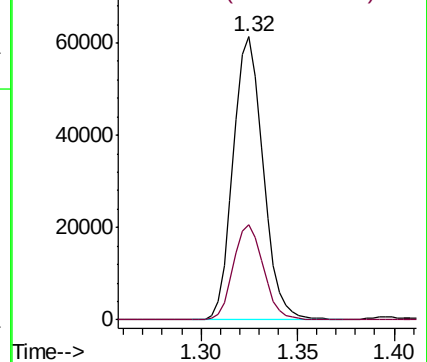
50 100

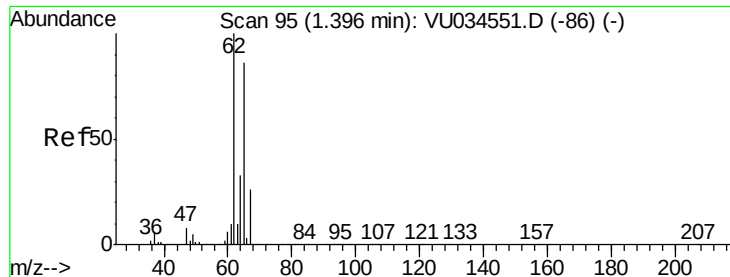
52 33.7 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.821 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034554.D

Acq: 15 Sep 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

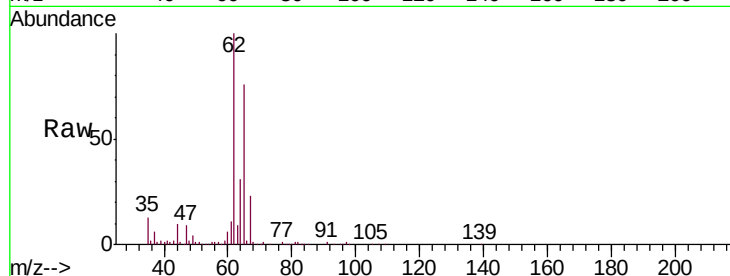
VICV01

Tgt Ion: 62 Resp: 58514

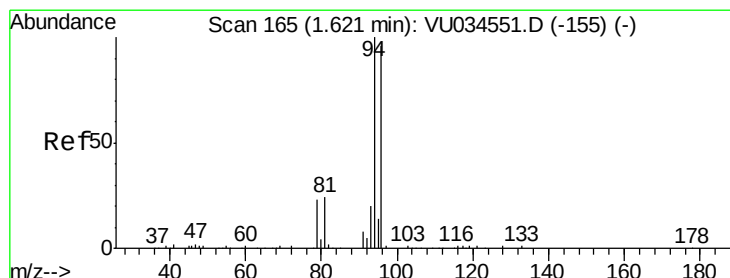
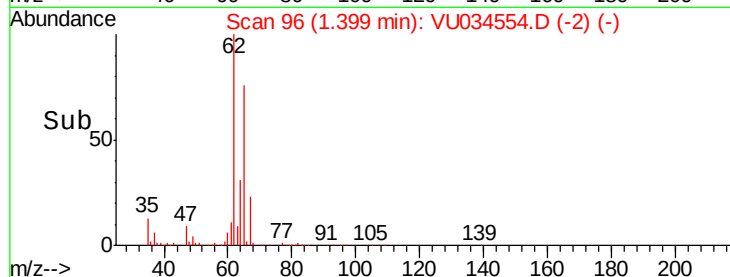
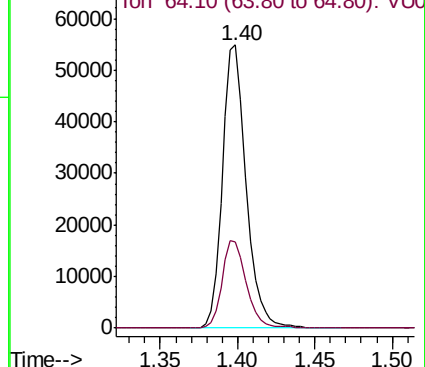
Ion Ratio Lower Upper

62 100

64 30.7 23.0 42.6



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



#6

Bromomethane

Concen: 5.584 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU034554.D

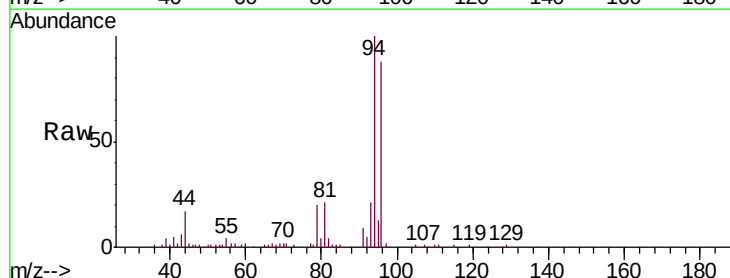
Acq: 15 Sep 2019 10:32

Tgt Ion: 94 Resp: 35383

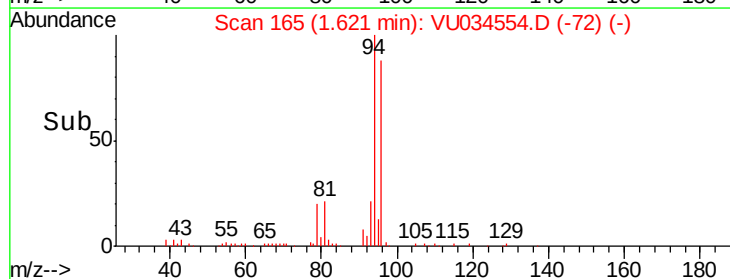
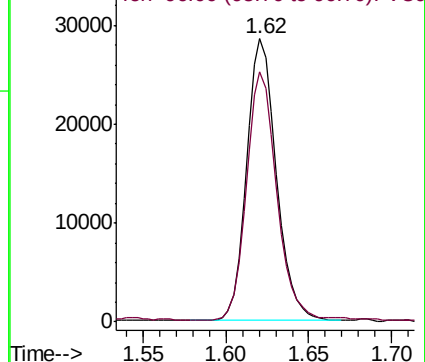
Ion Ratio Lower Upper

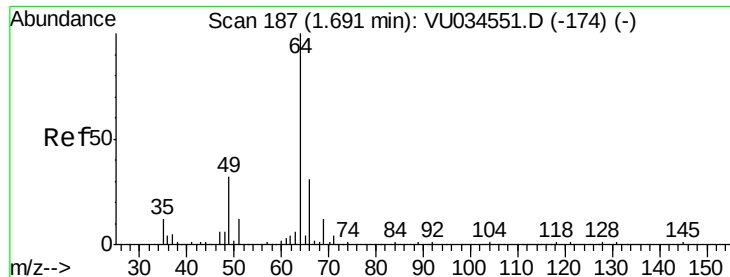
94 100

96 88.5 67.3 124.9



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





#8

Chloroethane

Concen: 5.186 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU034554.D

Acq: 15 Sep 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

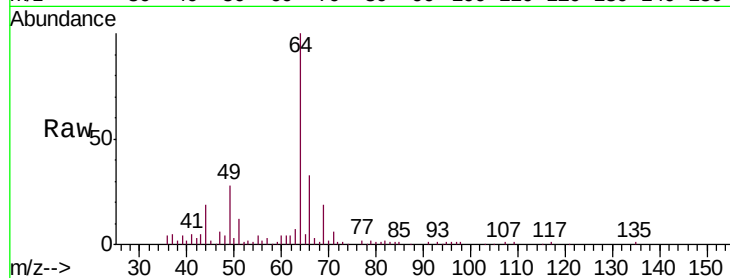
VICV01

Tgt Ion: 64 Resp: 36853

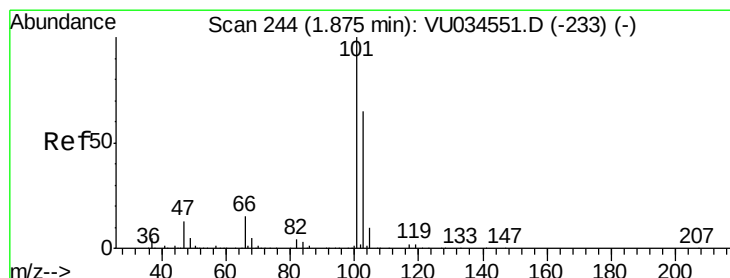
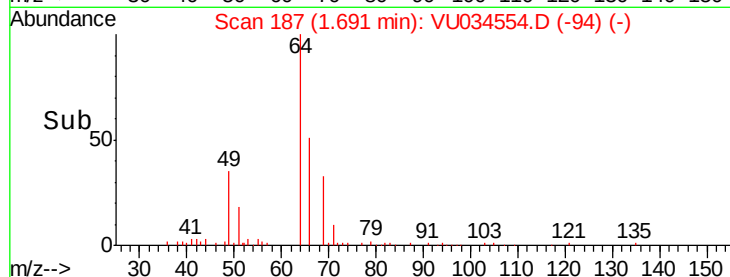
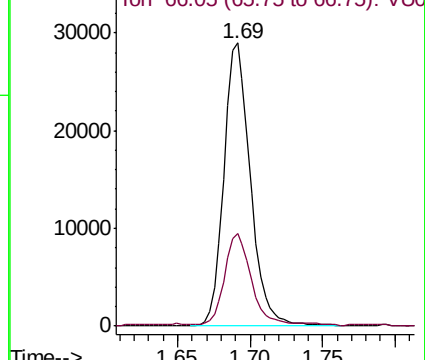
Ion Ratio Lower Upper

64 100

66 32.8 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VU034551.D (-174) (-)



#9

Trichlorofluoromethane

Concen: 4.717 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU034554.D

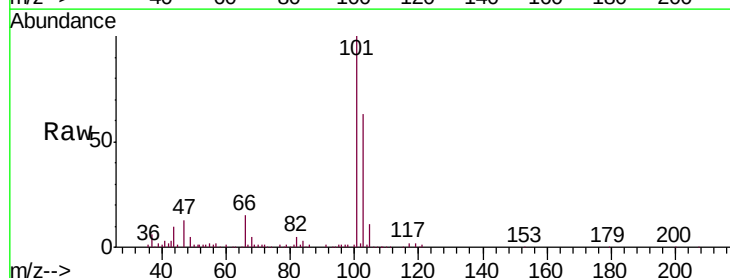
Acq: 15 Sep 2019 10:32

Tgt Ion: 101 Resp: 66834

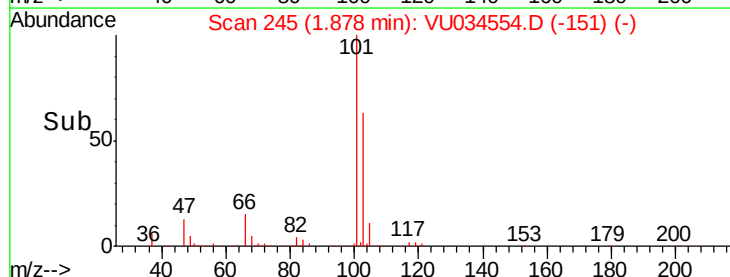
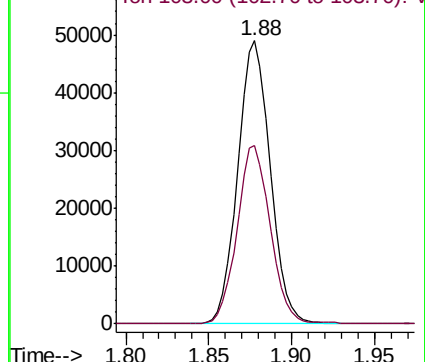
Ion Ratio Lower Upper

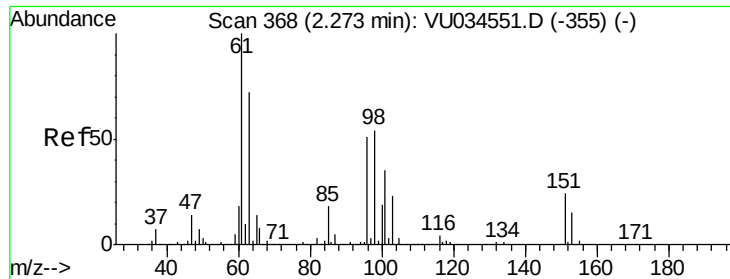
101 100

103 64.5 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): VU034551.D (-233) (-)





#10

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

Concen: 4.564 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034554.D

Acq: 15 Sep 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

VICV01

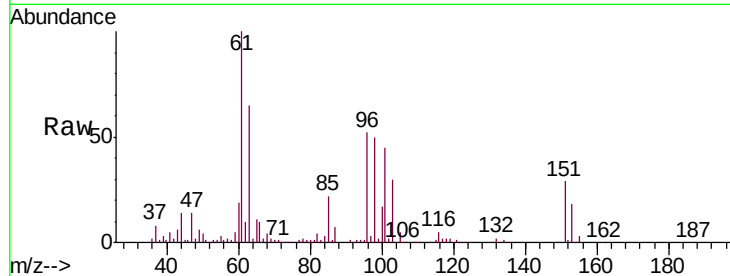
Tgt Ion: 101 Resp: 34335

Ion Ratio Lower Upper

101 100

85 47.6 39.8 59.6

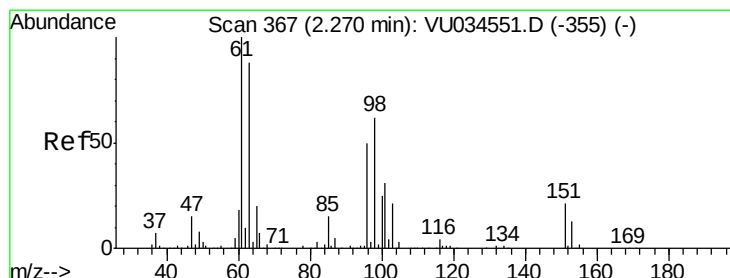
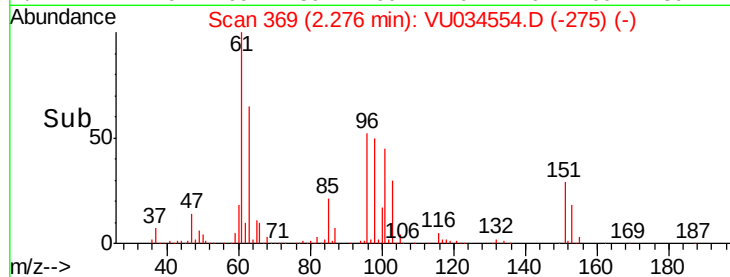
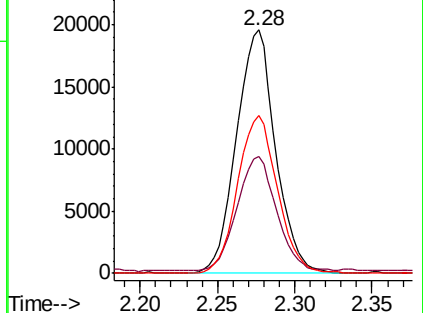
151 66.1 54.4 81.6



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: 4.806 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034554.D

Acq: 15 Sep 2019 10:32

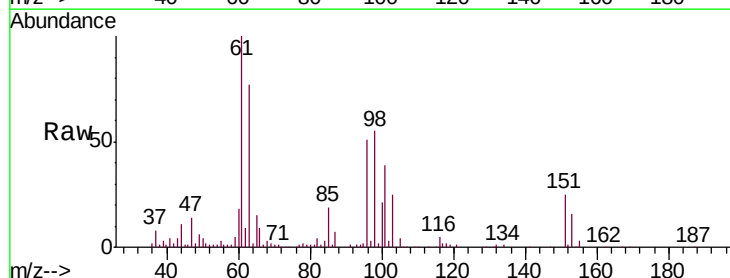
Tgt Ion: 96 Resp: 38531

Ion Ratio Lower Upper

96 100

61 196.6 139.0 258.2

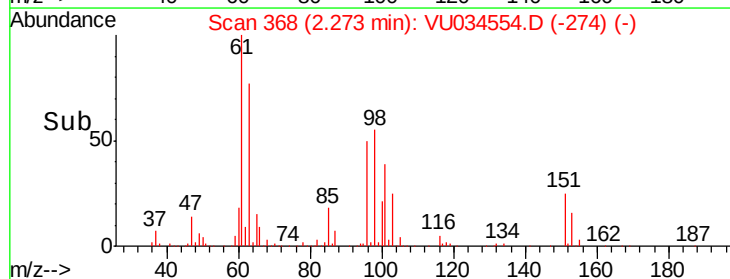
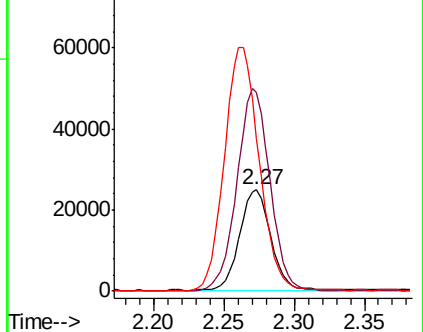
63 151.2 125.0 232.2

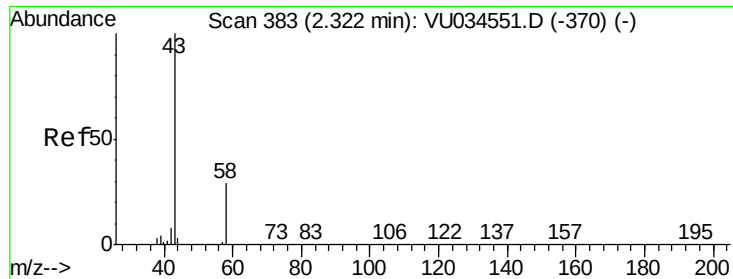


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 43.335 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.01 min

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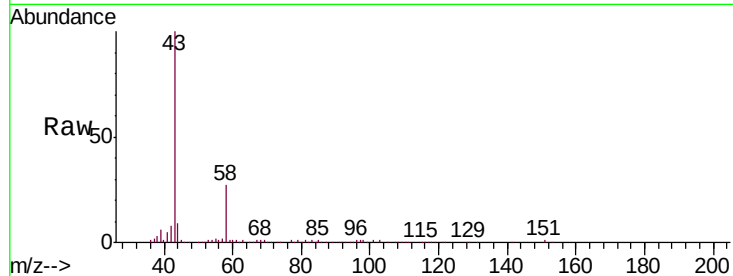
VICV01

Tgt Ion: 43 Resp: 123619

Ion Ratio Lower Upper

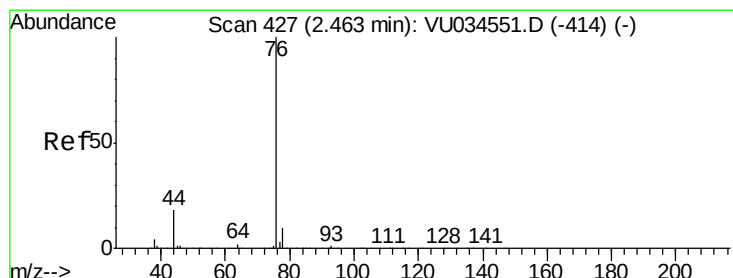
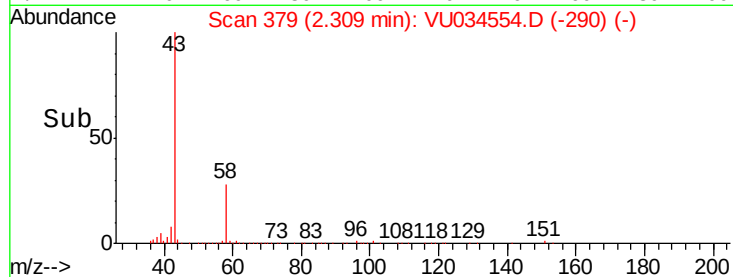
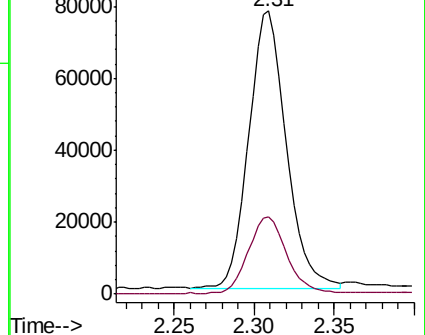
43 100

58 28.6 0.0 59.4



Abundance Ion 43.05 (42.75 to 43.75): VU034551.D (-370) (-)

Ion 58.05 (57.75 to 58.75): VU034551.D (-370) (-)



#14

Carbon disulfide

Concen: 4.889 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034554.D

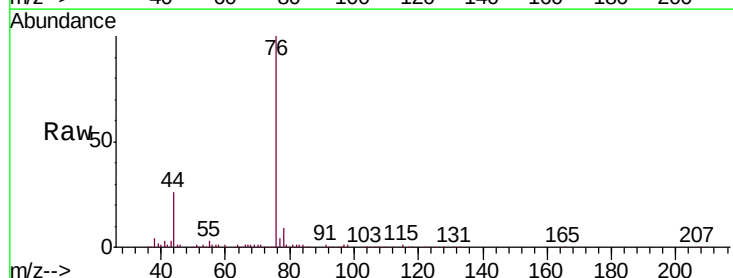
Acq: 15 Sep 2019 10:32

Tgt Ion: 76 Resp: 101417

Ion Ratio Lower Upper

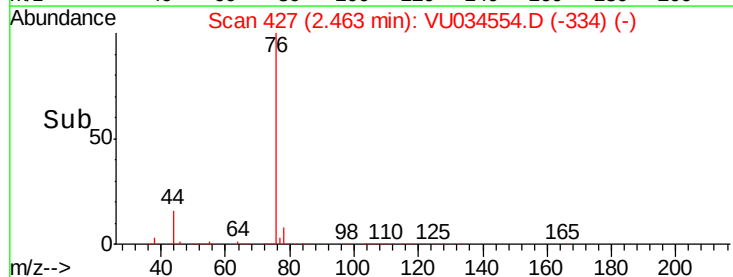
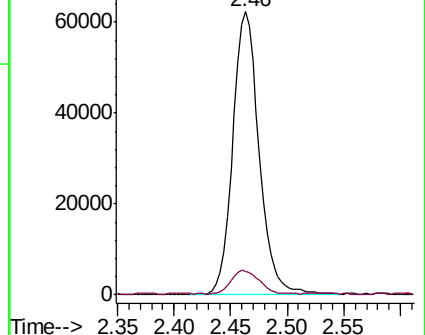
76 100

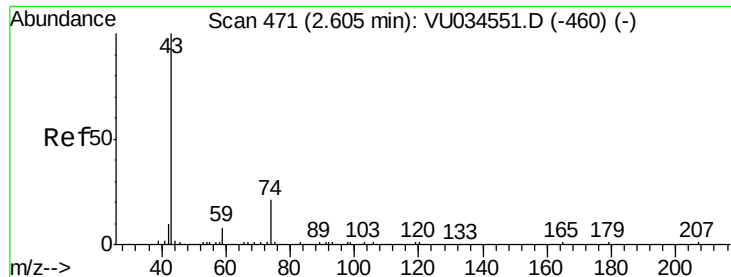
78 8.5 8.4 12.6



Abundance Ion 76.05 (75.75 to 76.75): VU034551.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU034551.D (-414) (-)

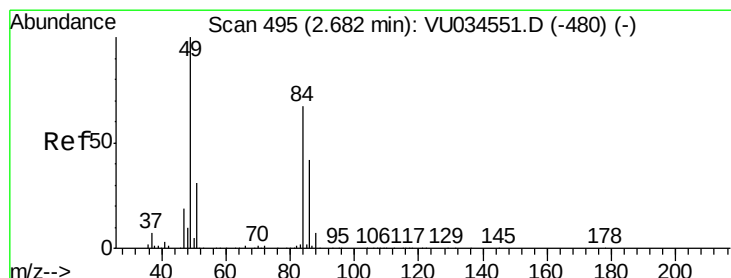
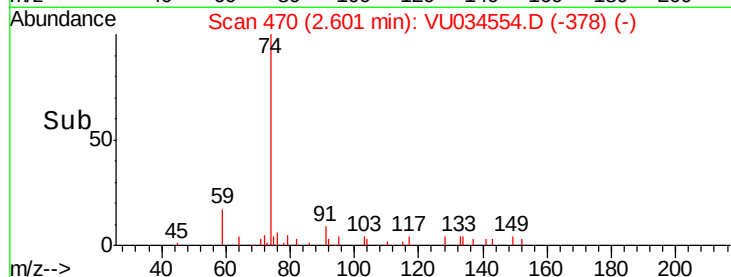
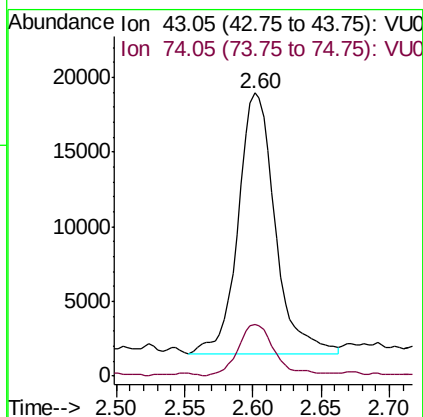
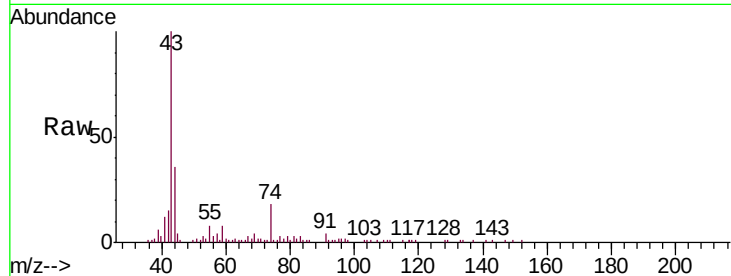




#15
Methyl Acetate
Concen: 4.490 ug/L
RT: 2.60 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU034554.D
Acq: 15 Sep 2019 10:32

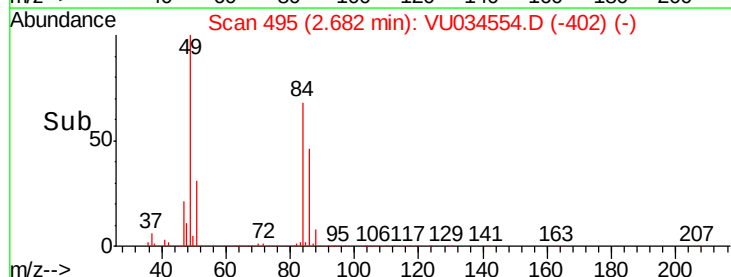
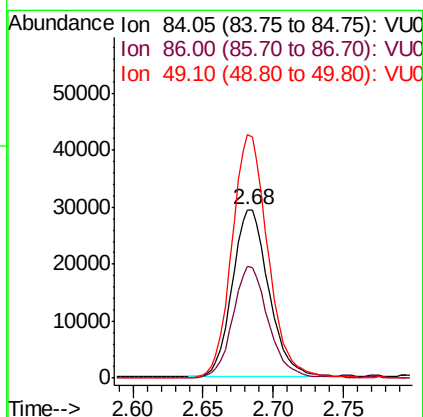
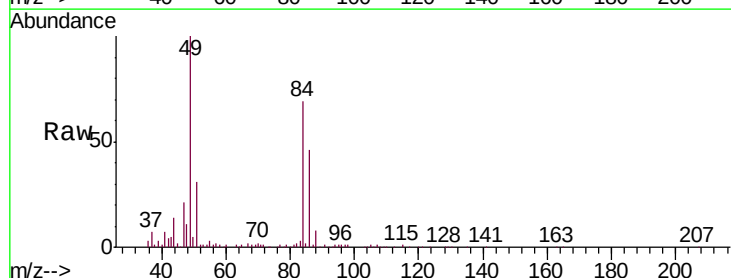
Instrument :
MSVOA_U
ClientSampleId :
VICV01

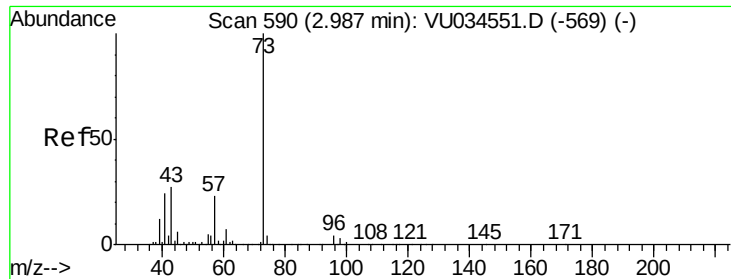
Tgt Ion: 43 Resp: 32790
Ion Ratio Lower Upper
43 100
74 20.0 17.3 25.9



#16
Methylene chloride
Concen: 4.630 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU034554.D
Acq: 15 Sep 2019 10:32

Tgt Ion: 84 Resp: 52979
Ion Ratio Lower Upper
84 100
86 66.2 43.7 81.1
49 144.5 103.5 192.3

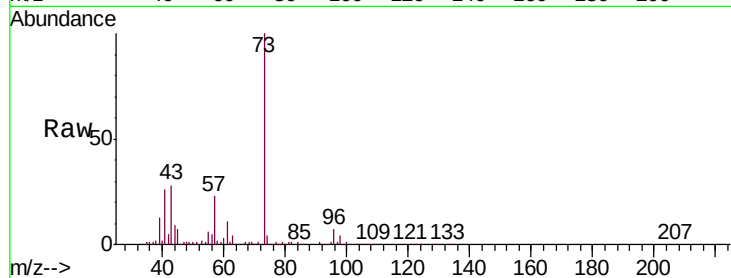




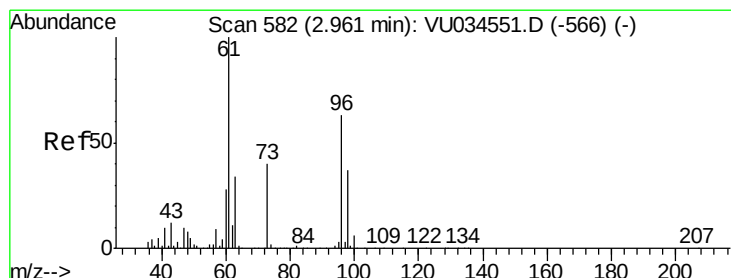
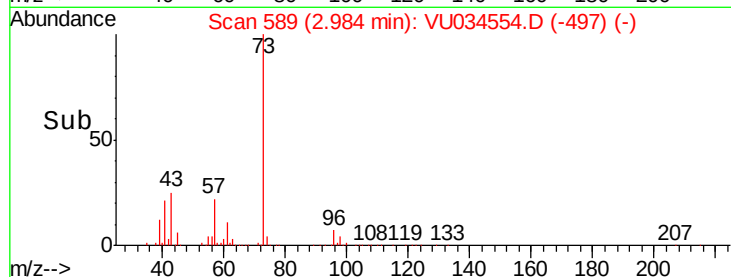
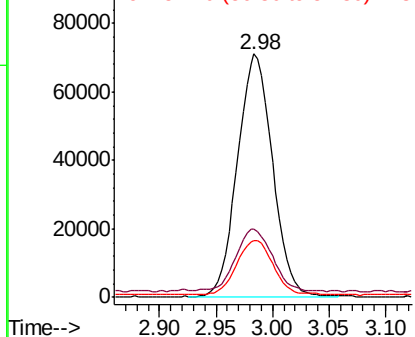
#17
Methyl tert-butyl Ether
Concen: 4.767 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034554.D
Acq: 15 Sep 2019 10:32

Instrument :
MSVOA_U
ClientSampleId :
VICV01

Tgt Ion:	73	Resp:	153391
Ion	Ratio	Lower	Upper
73	100		
43	26.5	20.9	31.3
57	23.5	18.6	27.8

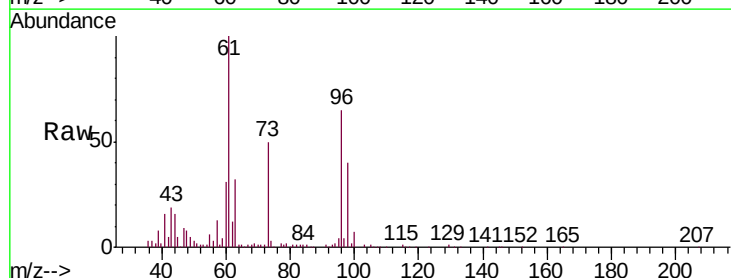


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

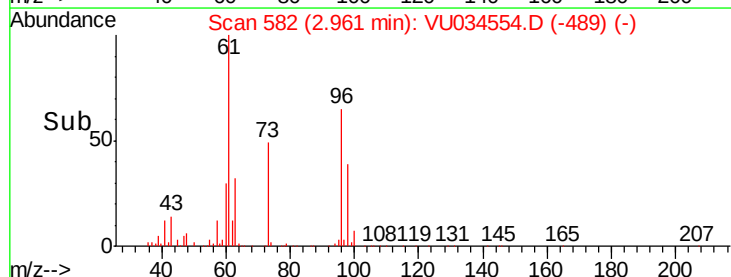
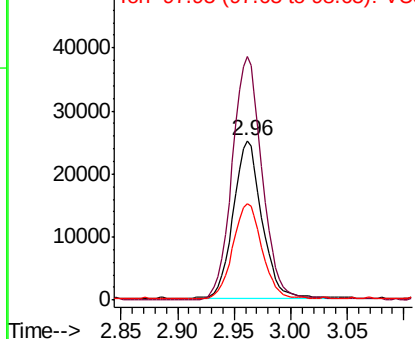


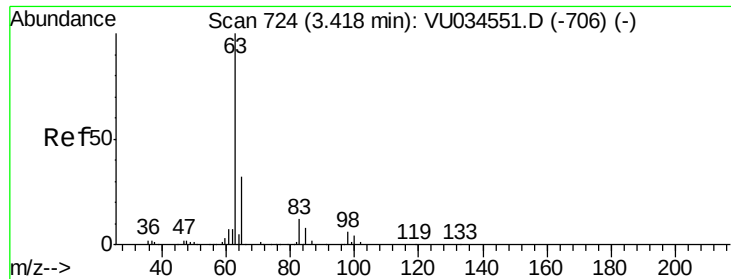
#18
trans-1,2-Dichloroethene
Concen: 4.862 ug/L
RT: 2.96 min Scan# 582
Delta R.T. -0.00 min
Lab File: VU034554.D
Acq: 15 Sep 2019 10:32

Tgt Ion:	96	Resp:	44464
Ion	Ratio	Lower	Upper
96	100		
61	152.9	109.8	203.8
98	60.5	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

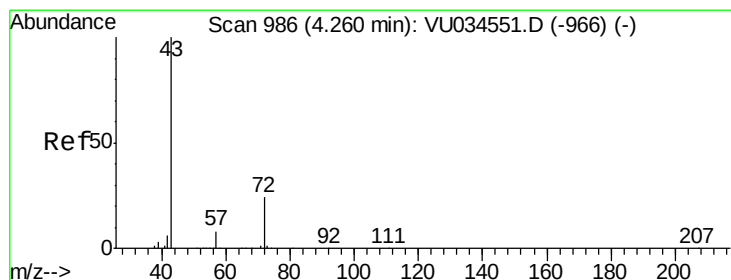
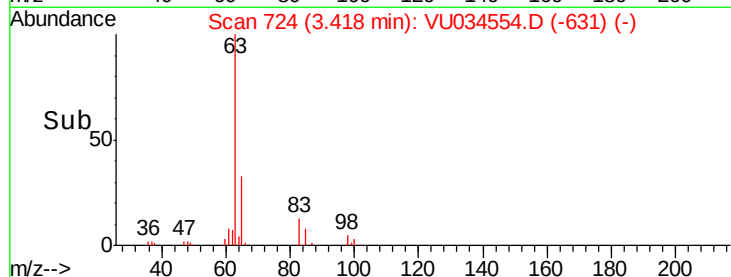
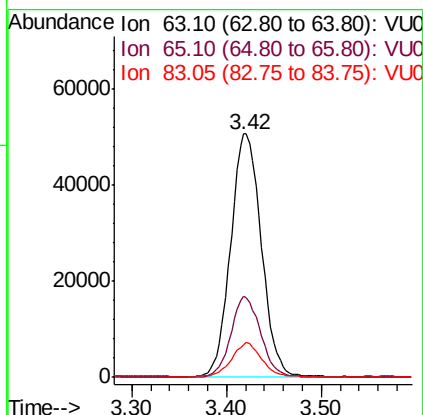
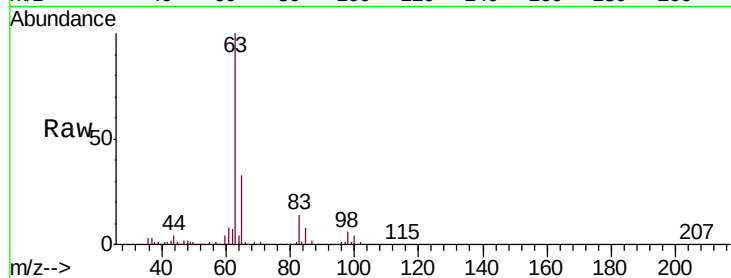




#19
 1,1-Dichloroethane
 Concen: 4.843 ug/L
 RT: 3.42 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VU034554.D
 Acq: 15 Sep 2019 10:32

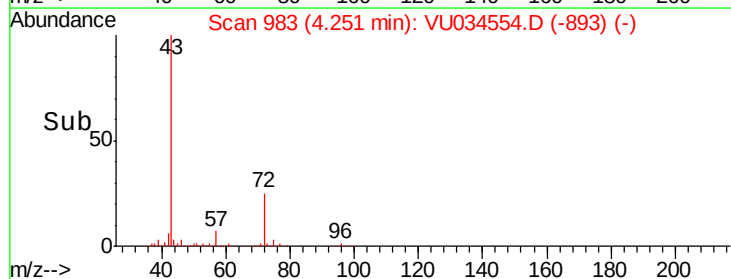
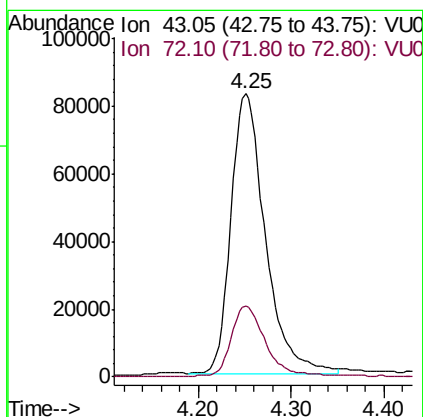
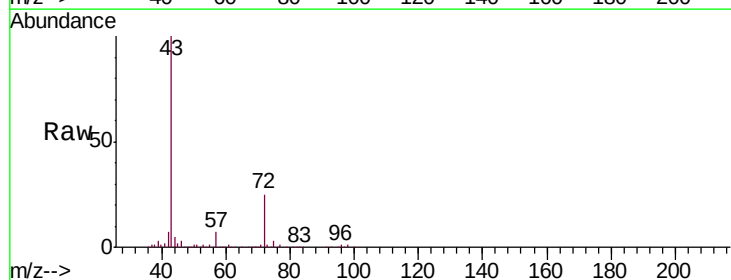
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV01

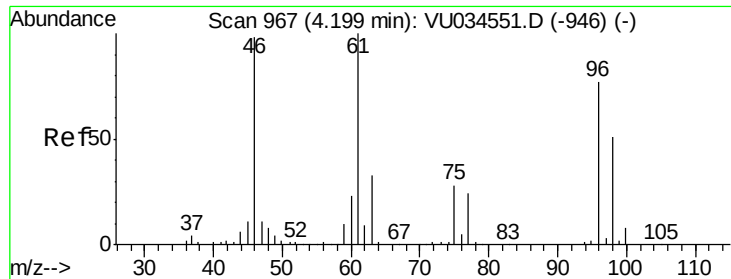
Tgt Ion: 63 Resp: 114762
 Ion Ratio Lower Upper
 63 100
 65 33.1 22.3 41.5
 83 13.5 8.7 16.1



#21
 2-Butanone
 Concen: 46.825 ug/L
 RT: 4.25 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VU034554.D
 Acq: 15 Sep 2019 10:32

Tgt Ion: 43 Resp: 212175
 Ion Ratio Lower Upper
 43 100
 72 25.7 11.9 35.5



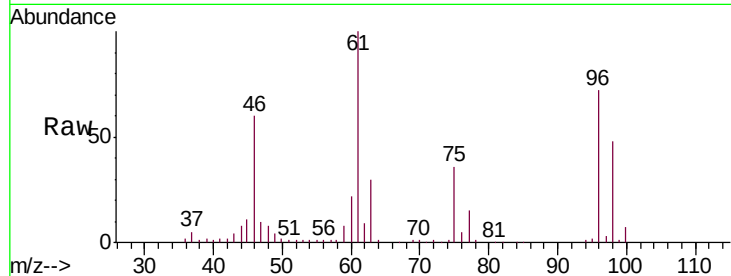


#22

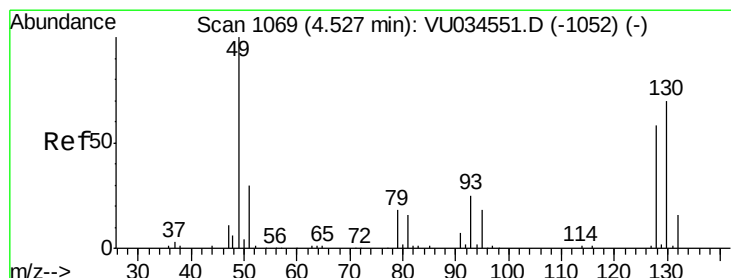
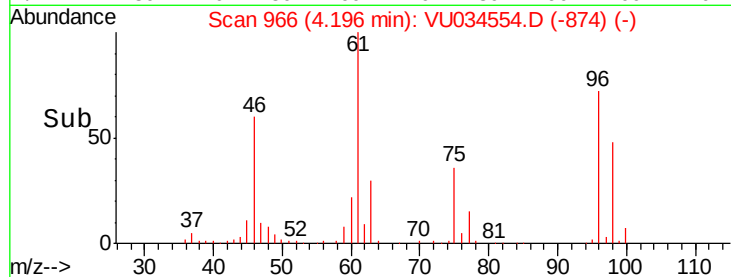
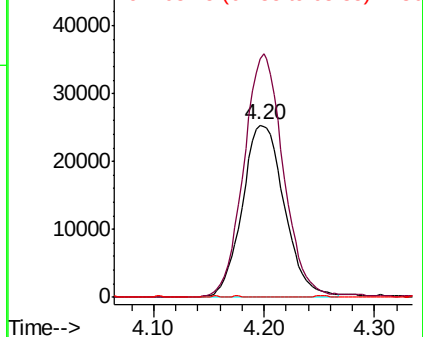
cis-1,2-Dichloroethene
Concen: 4.829 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU034554.D
Acq: 15 Sep 2019 10:32

Instrument :
MSVOA_U
ClientSampleId :
VICV01

Tgt Ion: 96 Resp: 67026
Ion Ratio Lower Upper
96 100
61 138.4 90.5 168.1
68 0.0 0.0 0.0



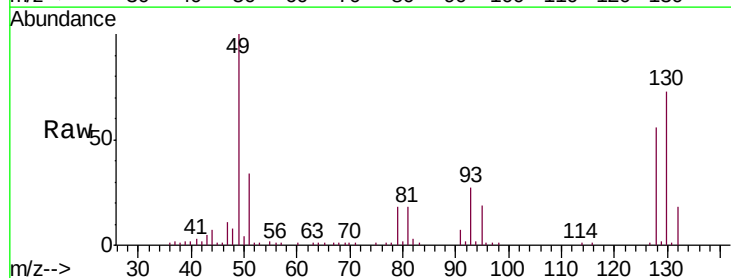
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



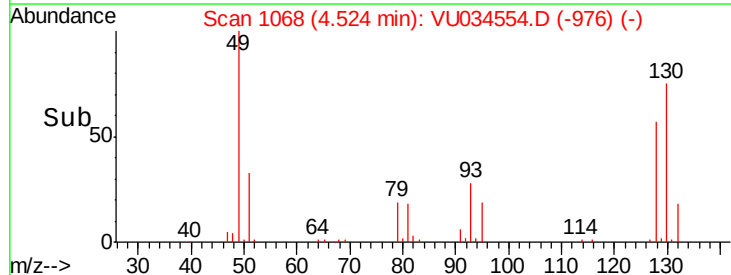
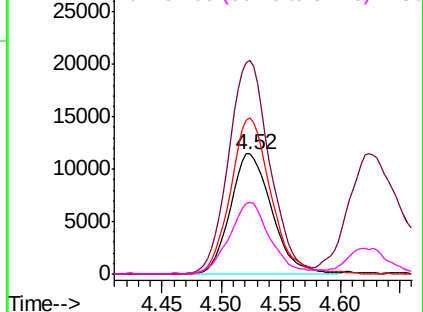
#23

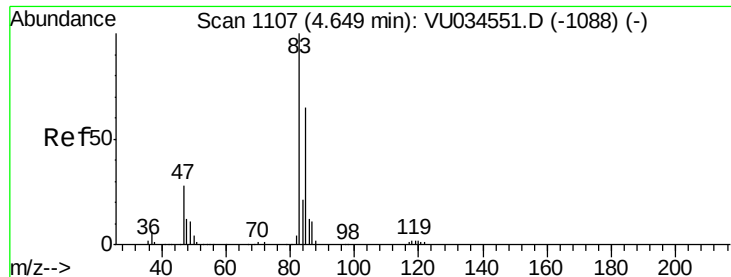
Bromochloromethane
Concen: 4.803 ug/L
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VU034554.D
Acq: 15 Sep 2019 10:32

Tgt Ion: 128 Resp: 27682
Ion Ratio Lower Upper
128 100
49 177.6 121.2 225.0
130 129.8 84.4 156.7
51 59.9 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

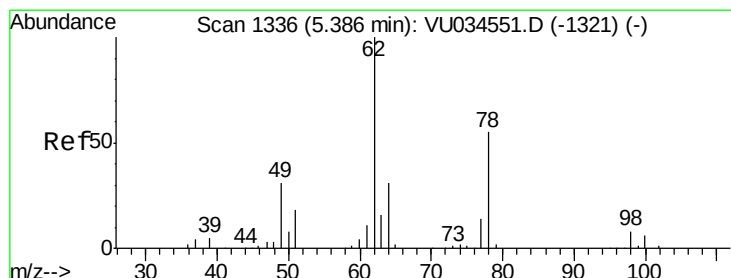
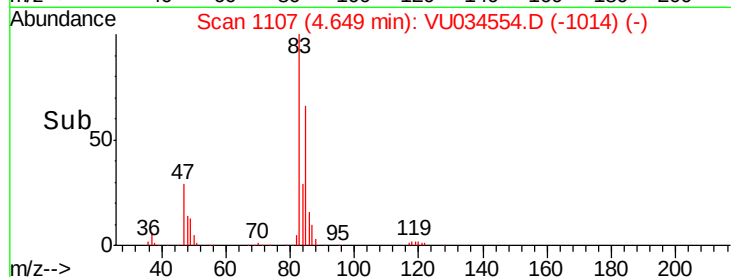
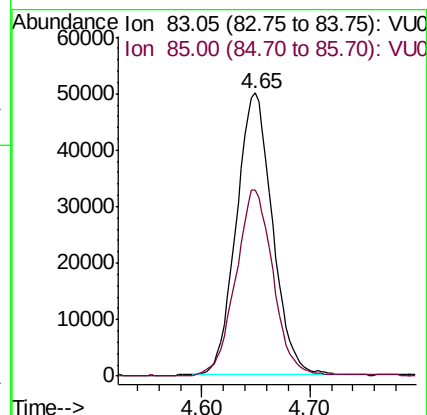
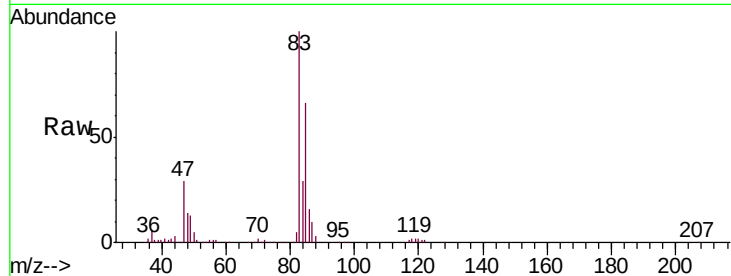




#25
Chloroform
Concen: 4.564 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU034554.D
Acq: 15 Sep 2019 10:32

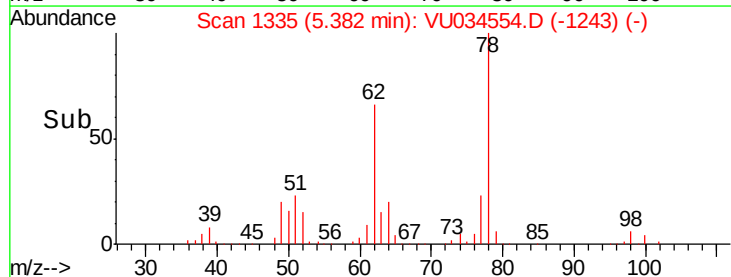
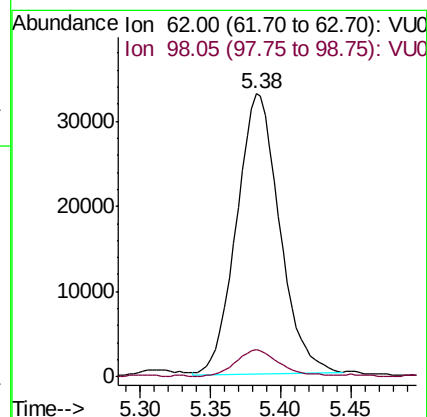
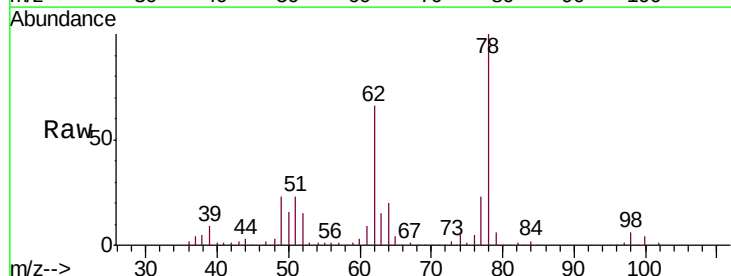
Instrument :
MSVOA_U
ClientSampleId :
VICV01

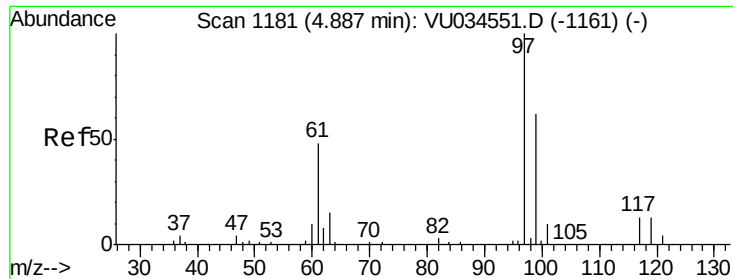
Tgt Ion: 83 Resp: 116567
Ion Ratio Lower Upper
83 100
85 65.8 45.6 84.6



#27
1,2-Dichloroethane
Concen: 4.743 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU034554.D
Acq: 15 Sep 2019 10:32

Tgt Ion: 62 Resp: 70466
Ion Ratio Lower Upper
62 100
98 9.5 7.1 10.7

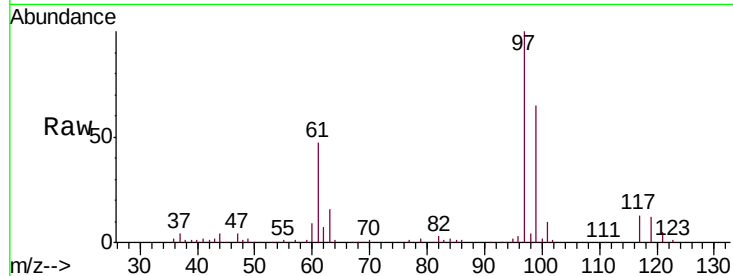




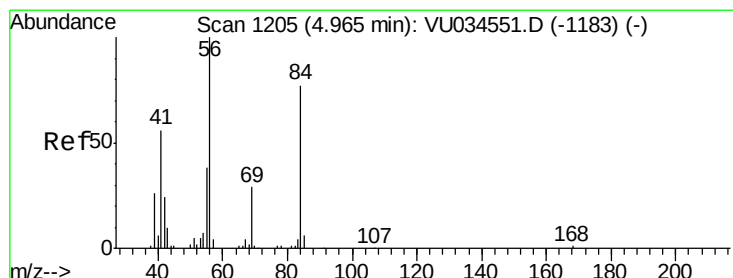
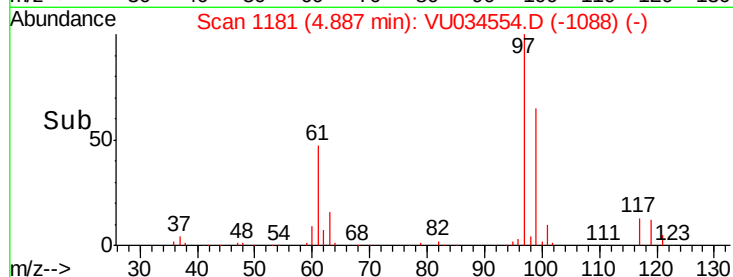
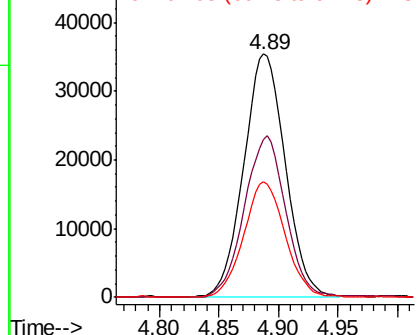
#29
 1,1,1-Trichloroethane
 Concen: 4.663 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VU034554.D
 Acq: 15 Sep 2019 10:32

Instrument :
 MSVOA_U
 ClientSampled :
 VICV01

Tgt Ion: 97 Resp: 85287
 Ion Ratio Lower Upper
 97 100
 99 66.3 51.5 77.3
 61 47.6 38.5 57.7

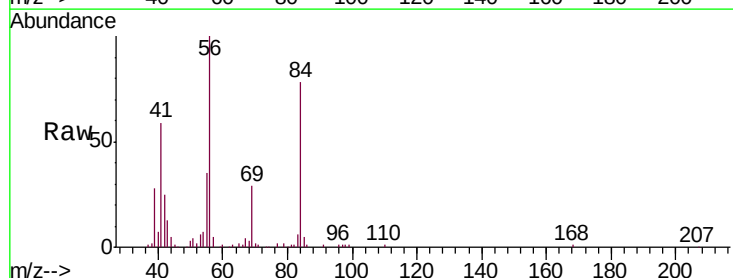


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

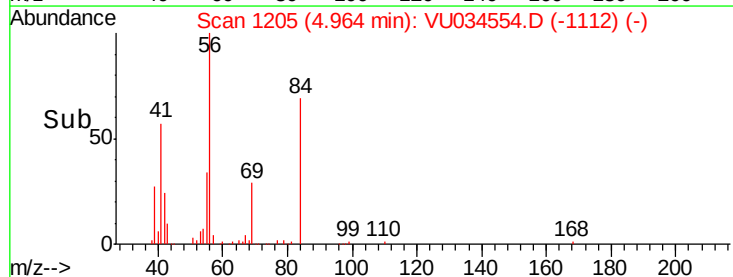
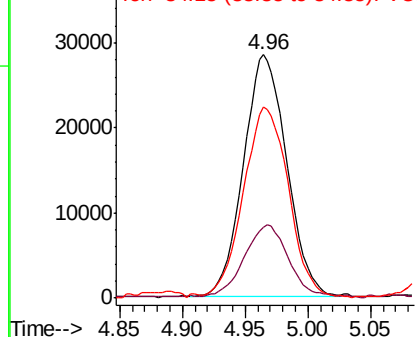


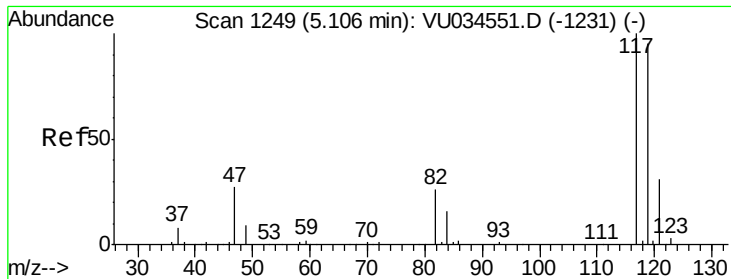
#30
 Cyclohexane
 Concen: 4.741 ug/L
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VU034554.D
 Acq: 15 Sep 2019 10:32

Tgt Ion: 56 Resp: 67824
 Ion Ratio Lower Upper
 56 100
 69 29.8 25.6 38.4
 84 83.3 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: 4.921 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU034554.D

Acq: 15 Sep 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

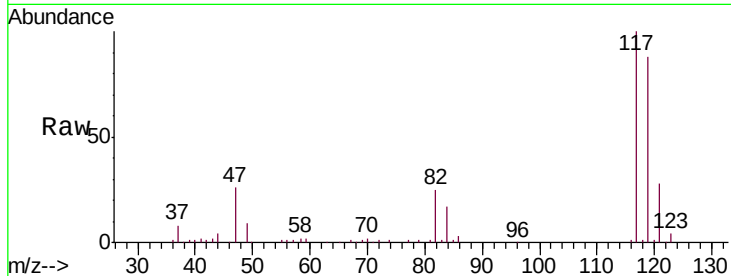
VICV01

Tgt Ion:117 Resp: 70380

Ion Ratio Lower Upper

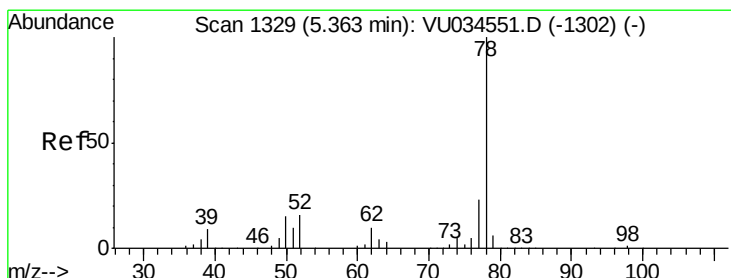
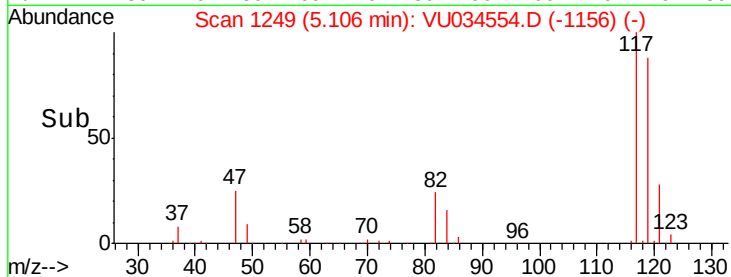
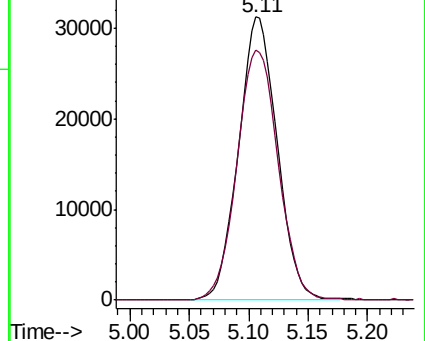
117 100

119 94.2 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.866 ug/L

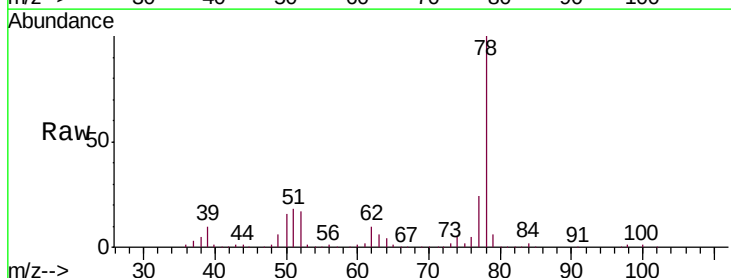
RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

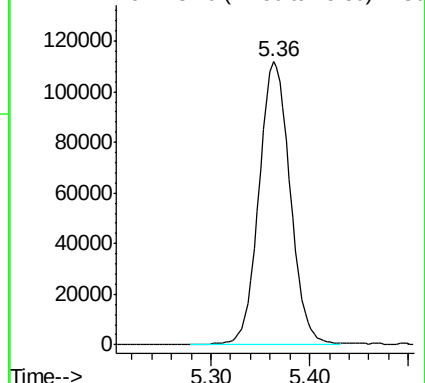
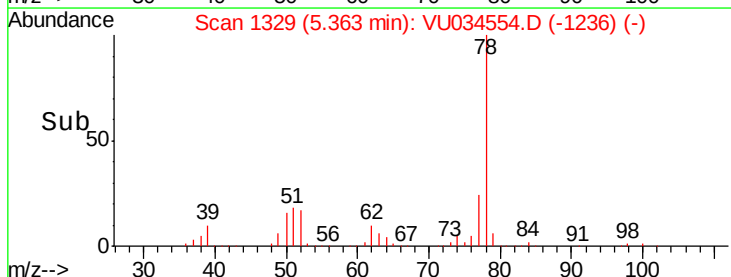
Lab File: VU034554.D

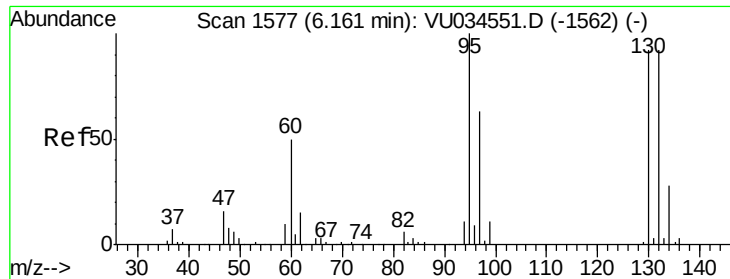
Acq: 15 Sep 2019 10:32

Tgt Ion: 78 Resp: 243756



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.884 ug/L

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU034554.D

Acq: 15 Sep 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

VICV01

Tgt Ion: 95 Resp: 60882

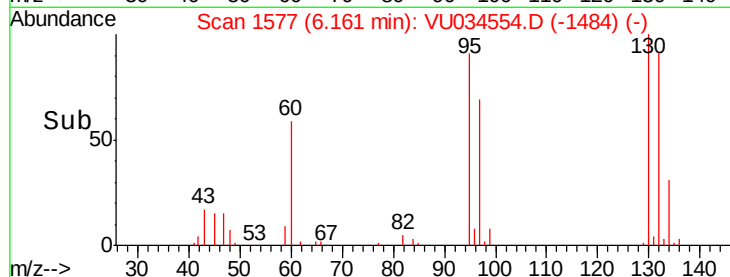
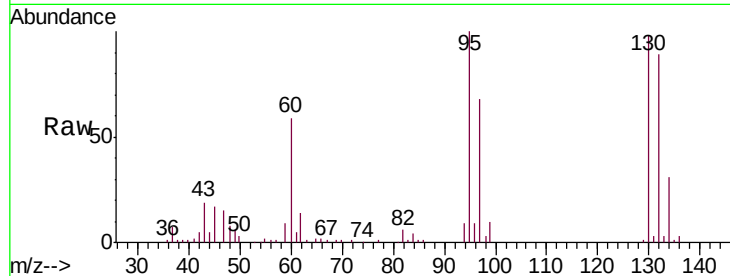
Ion Ratio Lower Upper

95 100

97 67.6 44.4 82.5

132 89.3 64.8 120.3

130 98.5 64.5 119.9

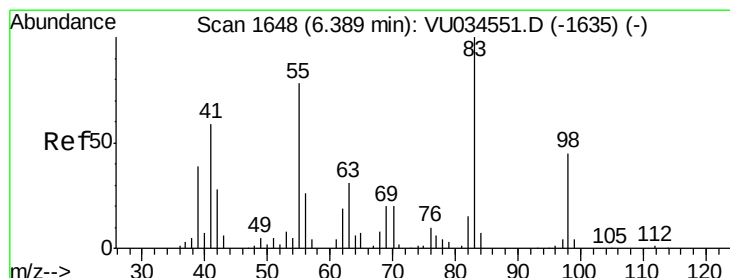
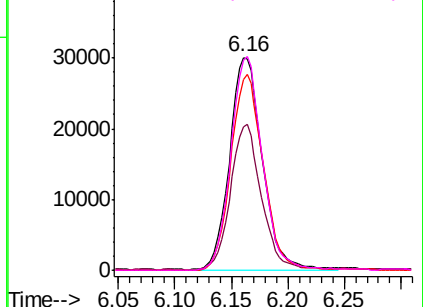


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.581 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034554.D

Acq: 15 Sep 2019 10:32

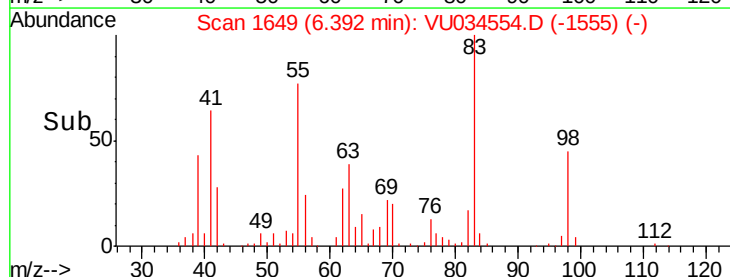
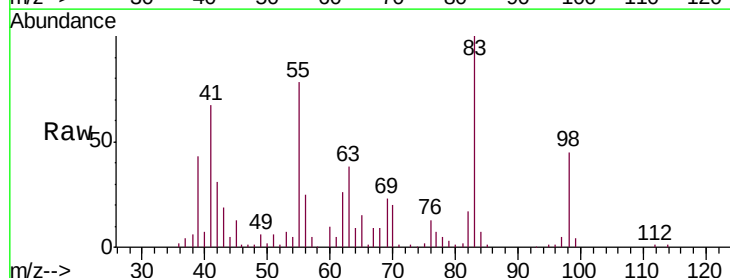
Tgt Ion: 83 Resp: 67259

Ion Ratio Lower Upper

83 100

55 76.6 63.6 95.4

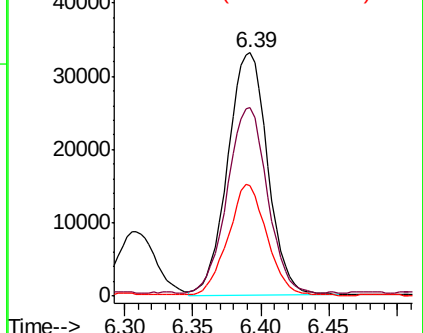
98 45.4 38.4 57.6

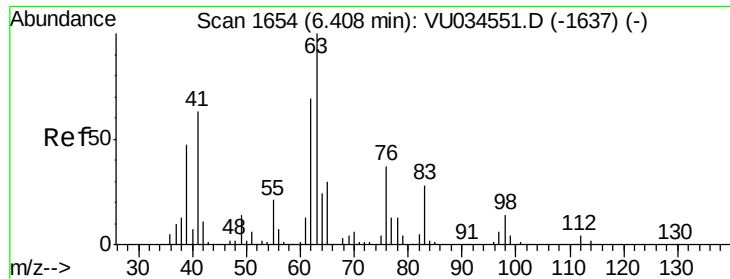


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

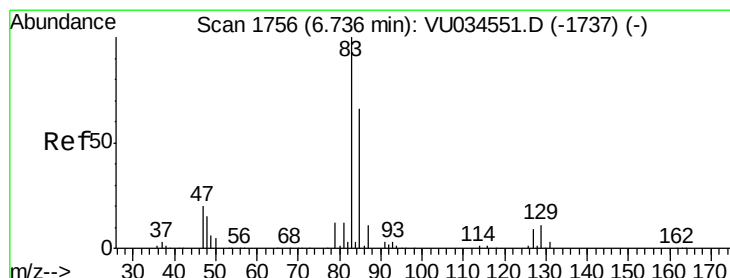
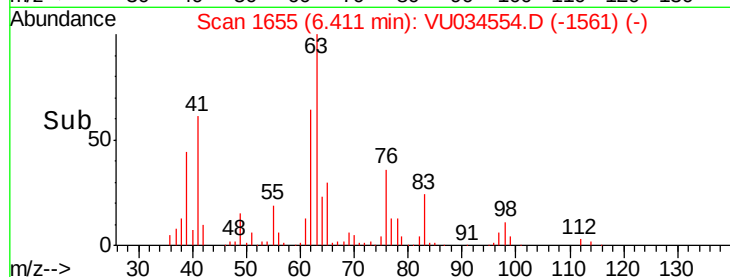
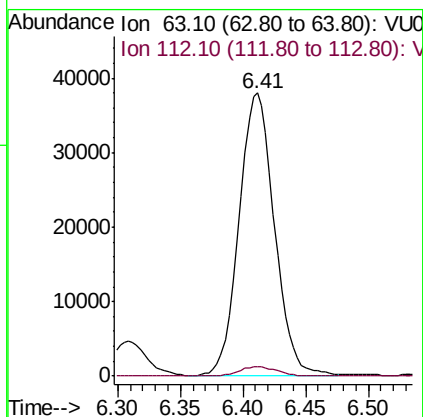
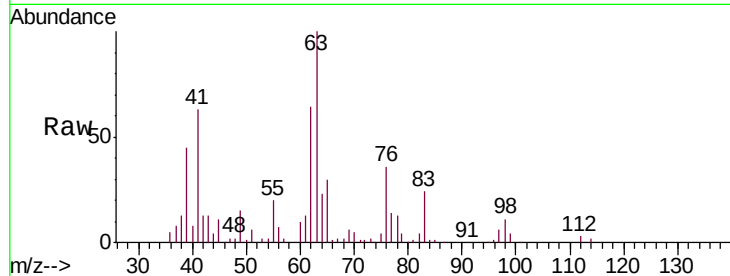




#37
 1,2-Dichloropropane
 Concen: 5.048 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034554.D
 Acq: 15 Sep 2019 10:32

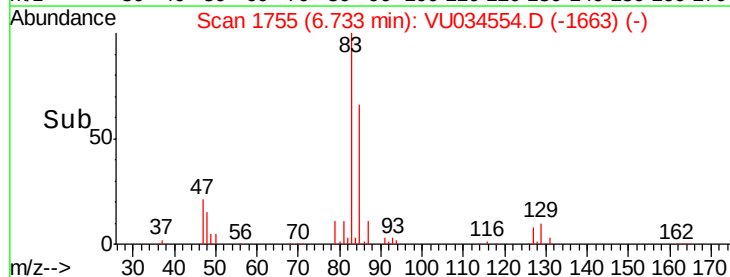
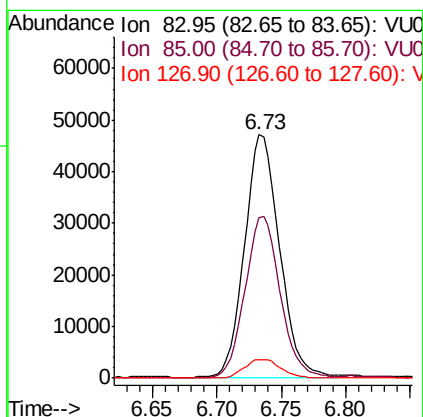
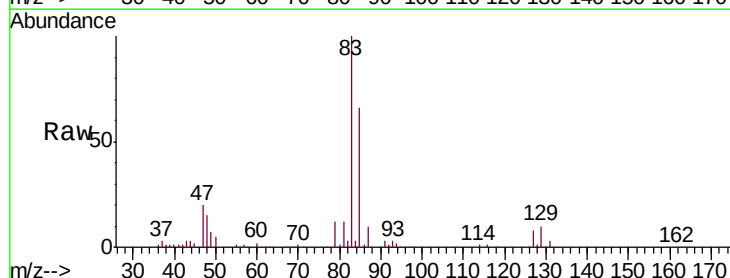
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV01

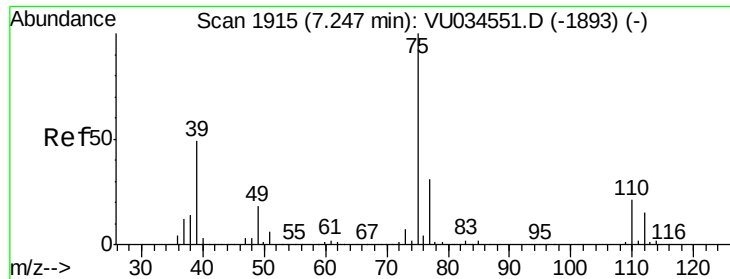
Tgt Ion: 63 Resp: 74086
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.9 4.3



#38
 Bromodichloromethane
 Concen: 4.821 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU034554.D
 Acq: 15 Sep 2019 10:32

Tgt Ion: 83 Resp: 88976
 Ion Ratio Lower Upper
 83 100
 85 65.7 46.5 86.5
 127 7.7 7.0 10.4



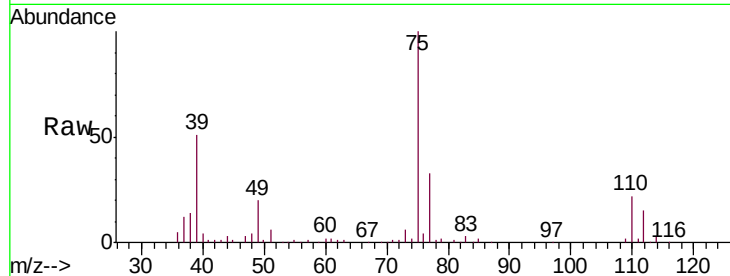


#39

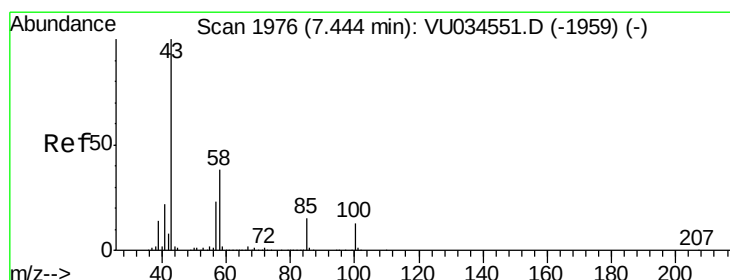
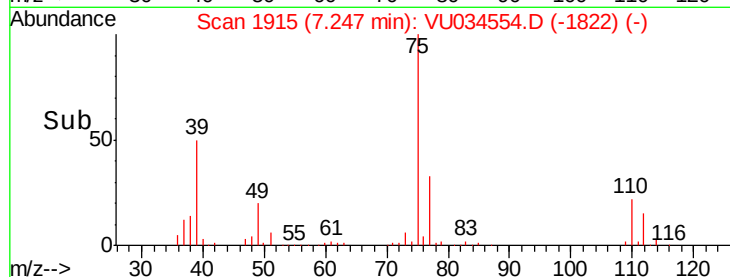
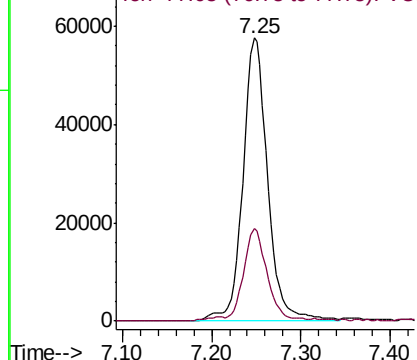
cis-1,3-Dichloropropene
Concen: 5.016 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VU034554.D
Acq: 15 Sep 2019 10:32

Instrument :
MSVOA_U
ClientSampleId :
VICV01

Tgt Ion: 75 Resp: 111285
Ion Ratio Lower Upper
75 100
77 32.7 22.2 41.2



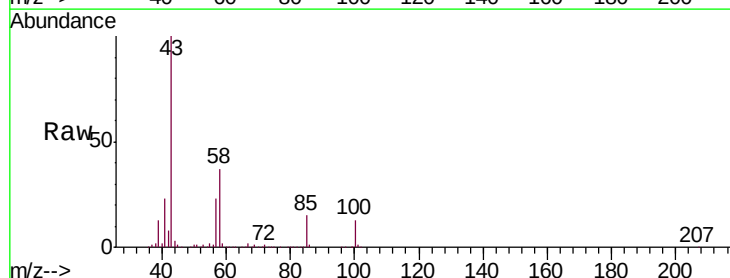
Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0



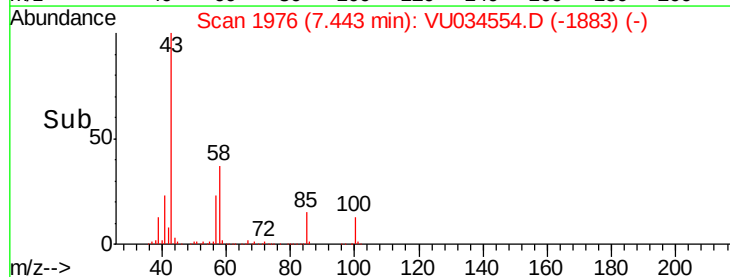
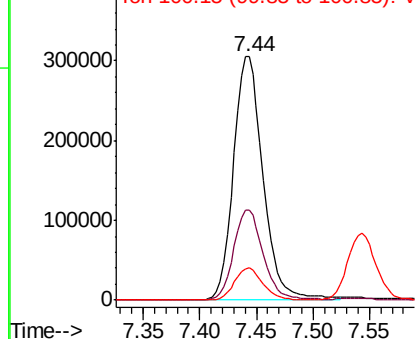
#40

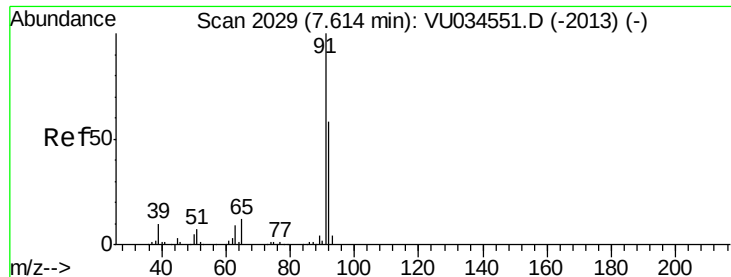
4-Methyl-2-pentanone
Concen: 46.314 ug/L
RT: 7.44 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VU034554.D
Acq: 15 Sep 2019 10:32

Tgt Ion: 43 Resp: 551224
Ion Ratio Lower Upper
43 100
58 37.2 30.0 45.0
100 12.9 10.5 15.7



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





#42

Toluene

Concen: 4.920 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034554.D

Acq: 15 Sep 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

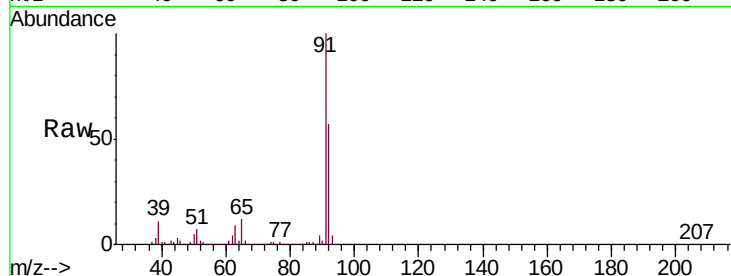
VICV01

Tgt Ion: 91 Resp: 260763

Ion Ratio Lower Upper

91 100

92 57.3 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VU034551.D (-2013) (-)

Ion 92.15 (91.85 to 92.85): VU034551.D (-2013) (-)

7.61

150000

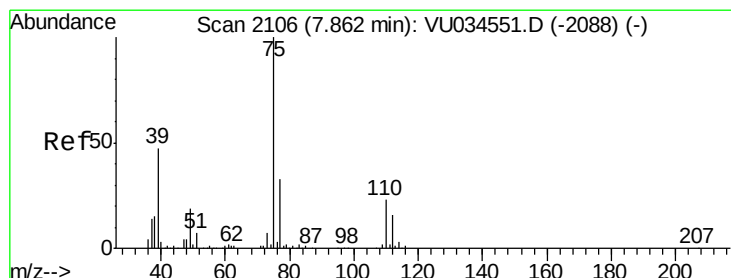
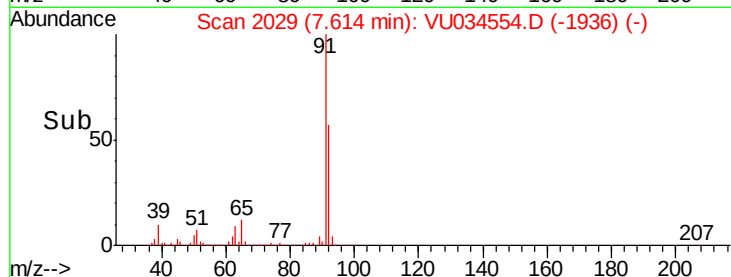
100000

50000

0

7.55 7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.773 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU034554.D

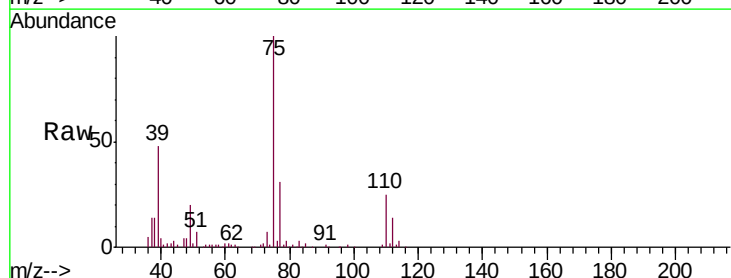
Acq: 15 Sep 2019 10:32

Tgt Ion: 75 Resp: 87642

Ion Ratio Lower Upper

75 100

77 31.4 23.4 43.4



Abundance Ion 75.05 (74.75 to 75.75): VU034551.D (-2088) (-)

Ion 77.05 (76.75 to 77.75): VU034551.D (-2088) (-)

7.86

50000

40000

30000

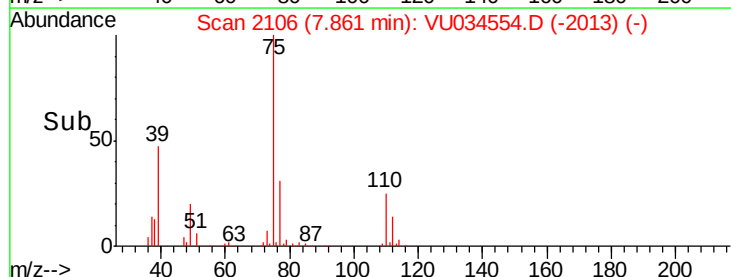
20000

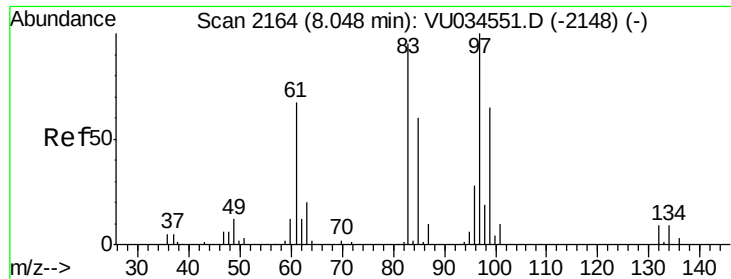
10000

0

7.80 7.90 8.00

Time-->

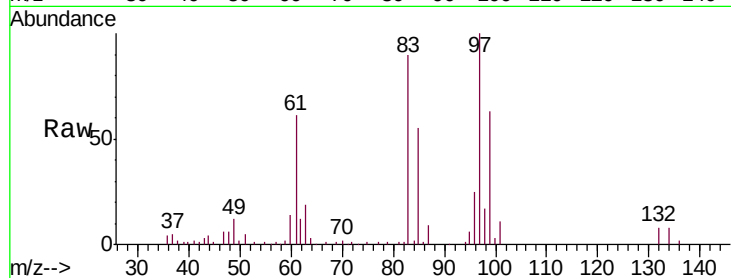




#45
 1,1,2-Trichloroethane
 Concen: 4.776 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034554.D
 Acq: 15 Sep 2019 10:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV01

Tgt Ion:	97	Resp:	49872
Ion	Ratio	Lower	Upper
97	100		
99	62.6	45.5	84.5
83	90.0	66.8	124.2
85	55.4	42.6	79.0



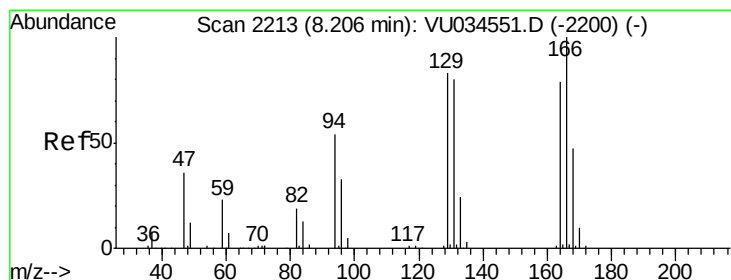
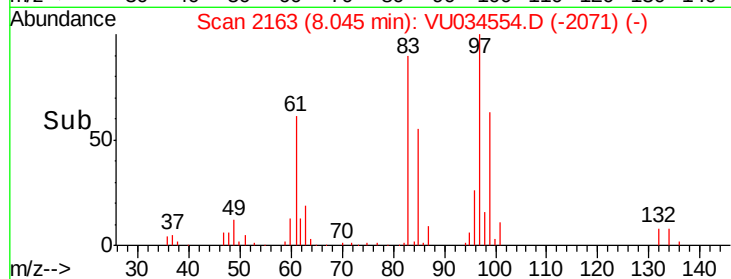
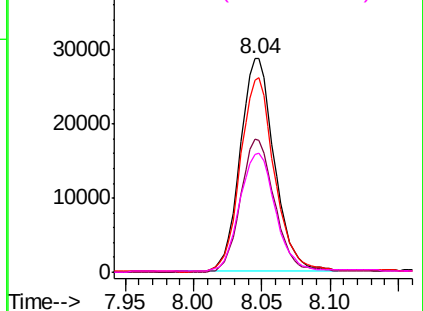
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

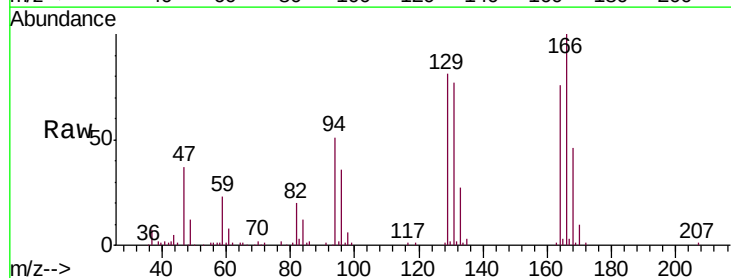
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 4.729 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034554.D
 Acq: 15 Sep 2019 10:32

Tgt Ion:	164	Resp:	35997
Ion	Ratio	Lower	Upper
164	100		
129	107.7	73.7	136.9
131	102.1	71.5	132.7
166	132.1	89.1	165.5



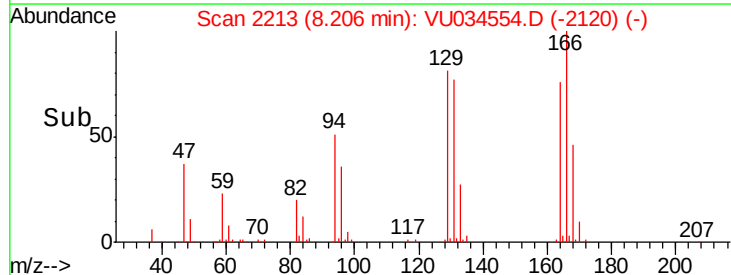
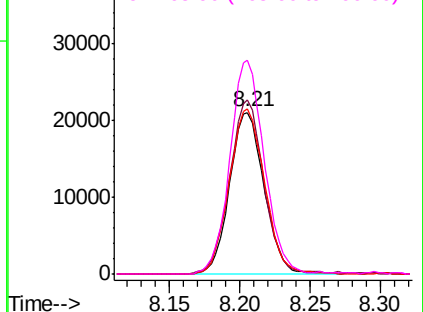
Abundance

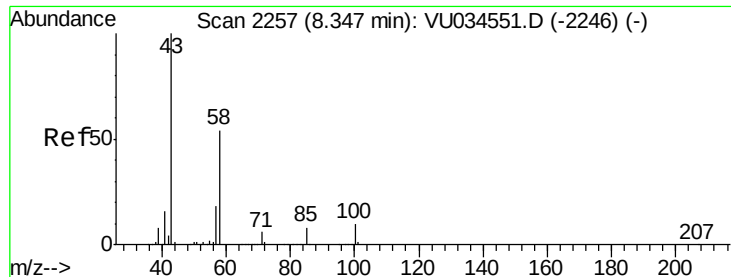
Ion 163.90 (163.60 to 164.60): V

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

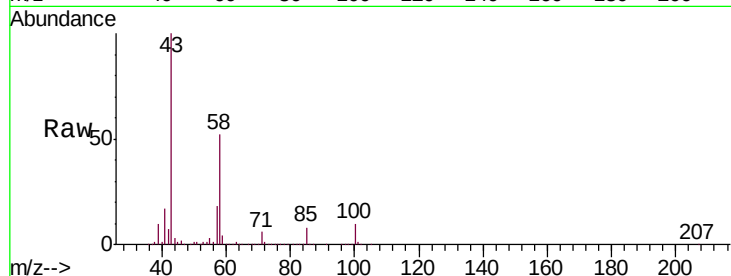




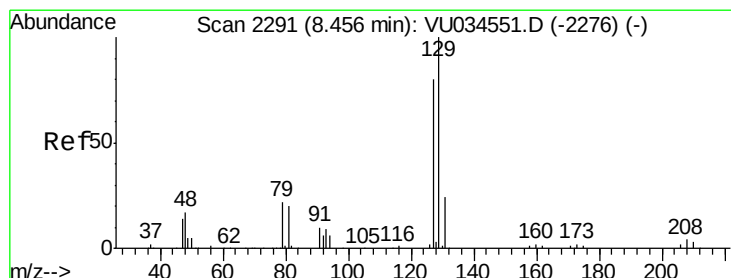
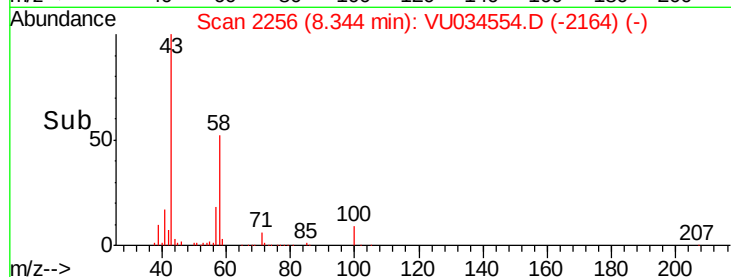
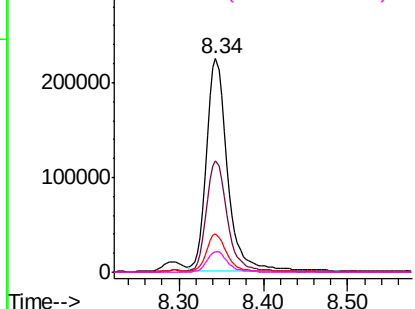
#48
2-Hexanone
Concen: 48.037 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034554.D
Acq: 15 Sep 2019 10:32

Instrument :
MSVOA_U
ClientSampleId :
VICV01

Tgt Ion: 43 Resp: 388071
Ion Ratio Lower Upper
43 100
58 51.5 43.3 64.9
57 16.9 14.0 21.0
100 9.7 8.2 12.2

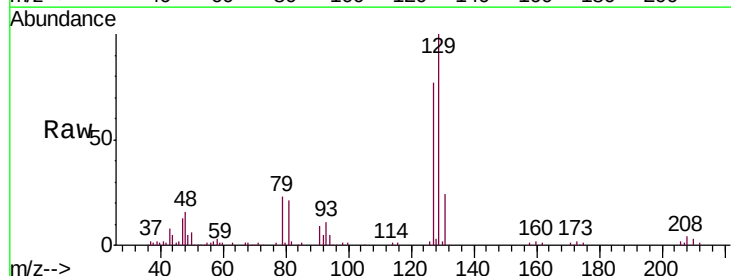


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

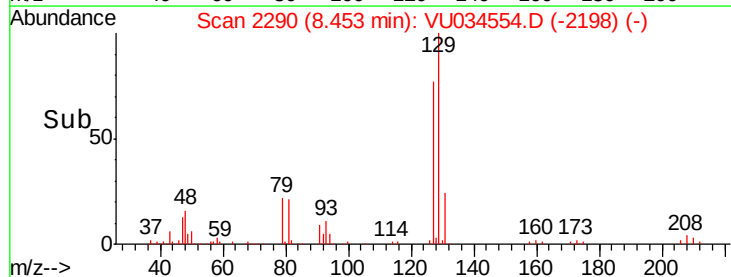
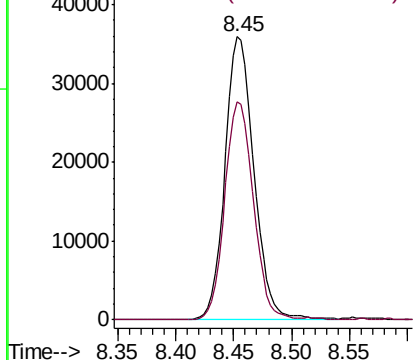


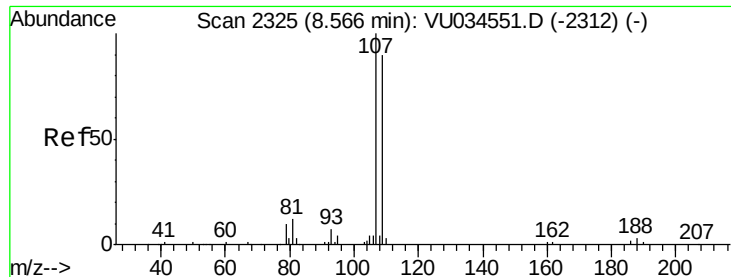
#49
Dibromochloromethane
Concen: 4.913 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034554.D
Acq: 15 Sep 2019 10:32

Tgt Ion: 129 Resp: 62430
Ion Ratio Lower Upper
129 100
127 77.0 56.2 104.4



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

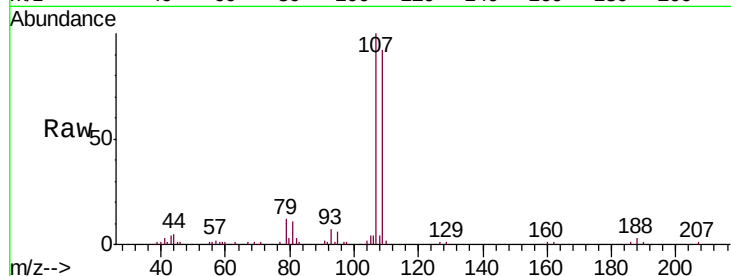




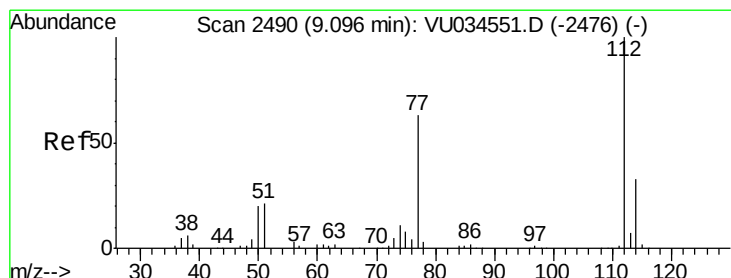
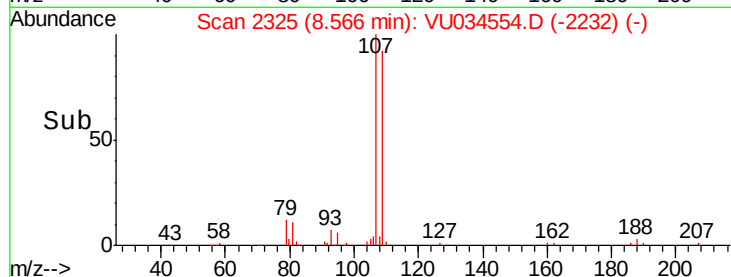
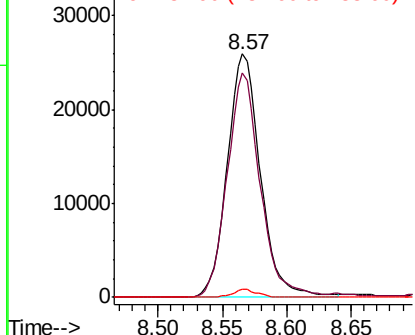
#50
1,2-Dibromoethane
Concen: 4.705 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU034554.D
Acq: 15 Sep 2019 10:32

Instrument :
MSVOA_U
ClientSampleId :
VICV01

Tgt Ion:107 Resp: 46355
Ion Ratio Lower Upper
107 100
109 92.4 63.6 118.0
188 3.1 2.5 3.7

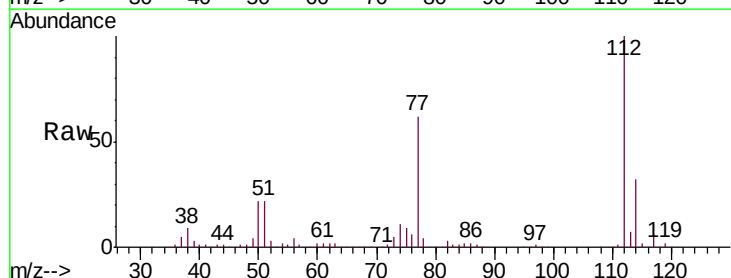


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

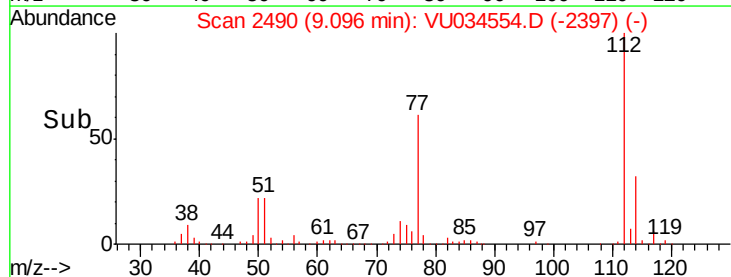
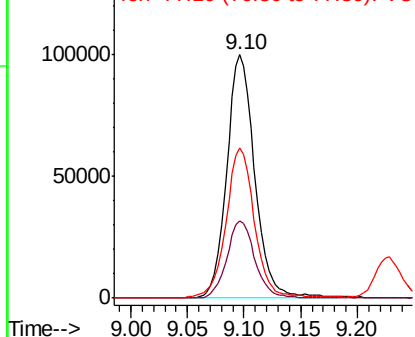


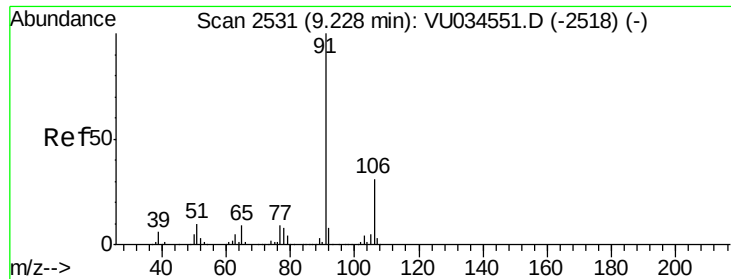
#51
Chlorobenzene
Concen: 5.017 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034554.D
Acq: 15 Sep 2019 10:32

Tgt Ion:112 Resp: 172487
Ion Ratio Lower Upper
112 100
114 31.8 22.9 42.5
77 61.5 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: 5.035 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034554.D

Acq: 15 Sep 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

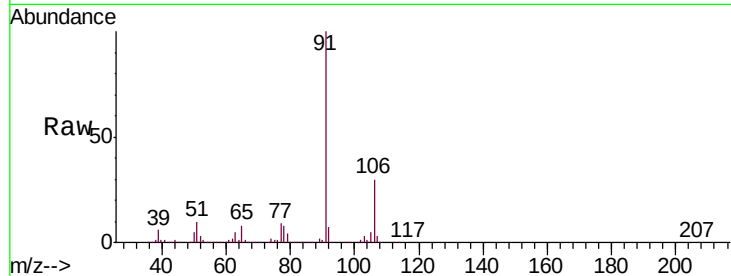
VICV01

Tgt Ion: 91 Resp: 301346

Ion Ratio Lower Upper

91 100

106 30.4 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU034551.D (-2518) (-)

Ion 106.15 (105.85 to 106.85): VU034551.D (-2518) (-)

9.23

200000

150000

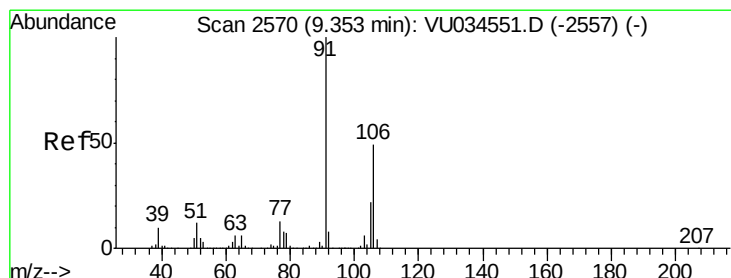
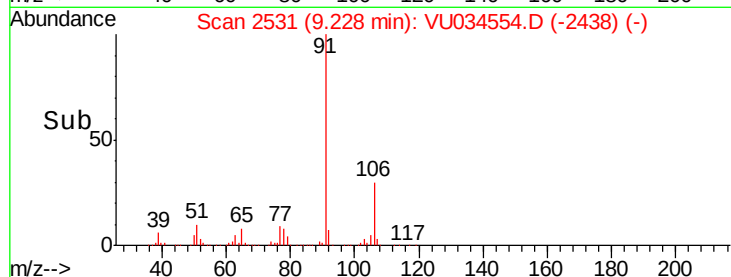
100000

50000

0

9.20 9.30

Time-->



#53

m,p-Xylene

Concen: 4.975 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034554.D

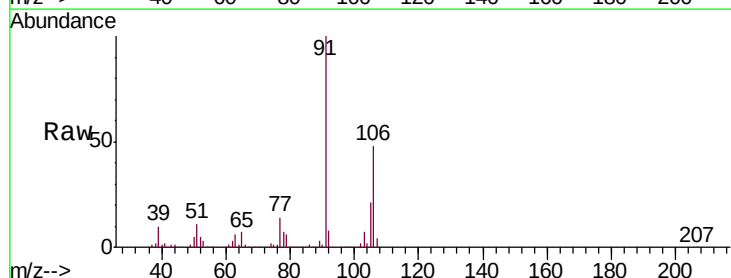
Acq: 15 Sep 2019 10:32

Tgt Ion: 106 Resp: 109659

Ion Ratio Lower Upper

106 100

91 209.4 144.3 267.9



Abundance Ion 106.15 (105.85 to 106.85): VU034551.D (-2557) (-)

Ion 91.15 (90.85 to 91.85): VU034551.D (-2557) (-)

9.35

150000

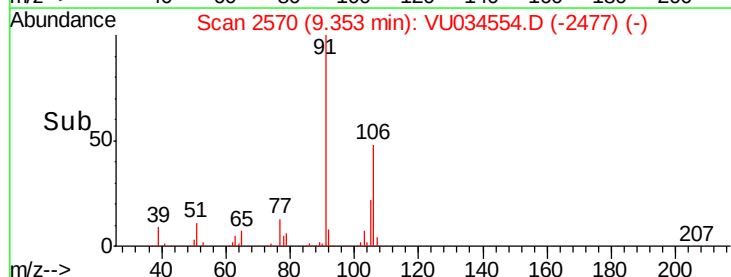
100000

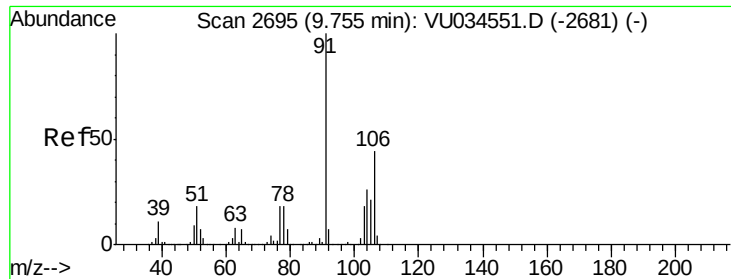
50000

0

9.30 9.35 9.40 9.45

Time-->

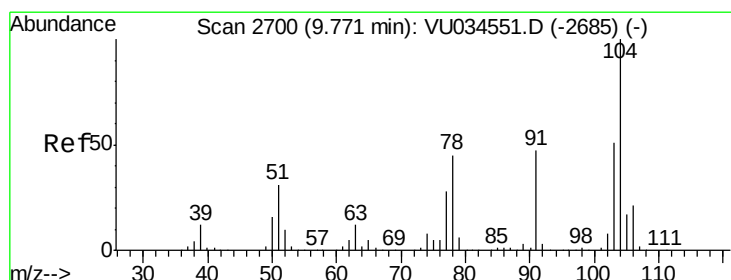
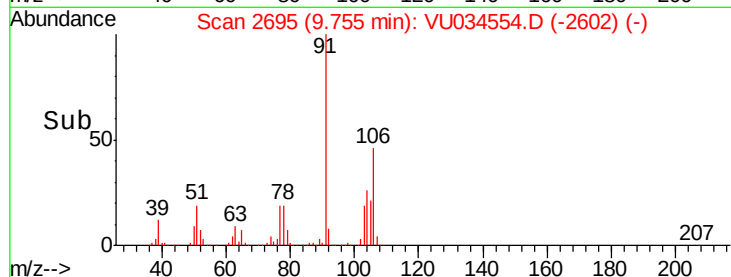
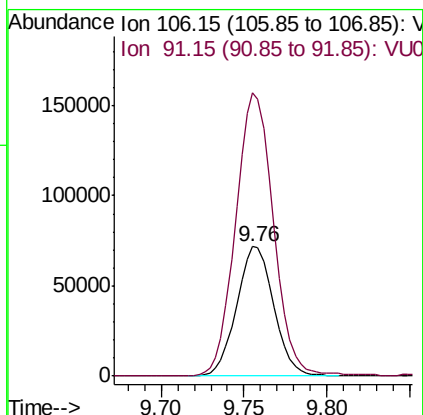
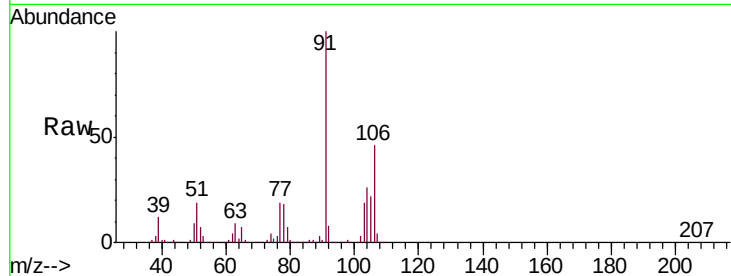




#54
o-Xylene
Concen: 4.966 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. -0.00 min
Lab File: VU034554.D
Acq: 15 Sep 2019 10:32

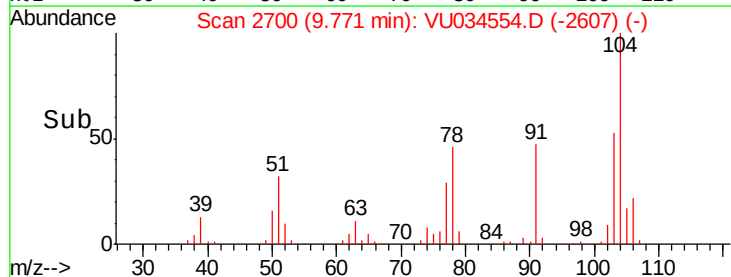
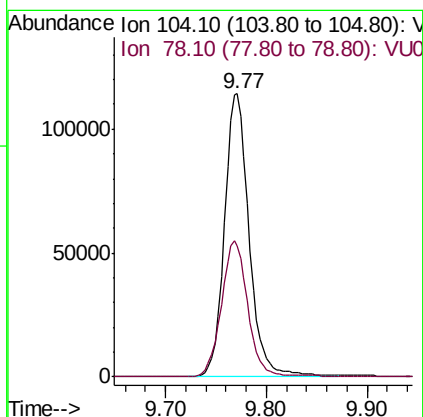
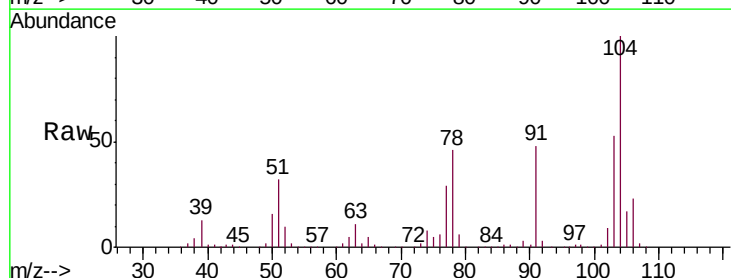
Instrument :
MSVOA_U
ClientSampleId :
VICV01

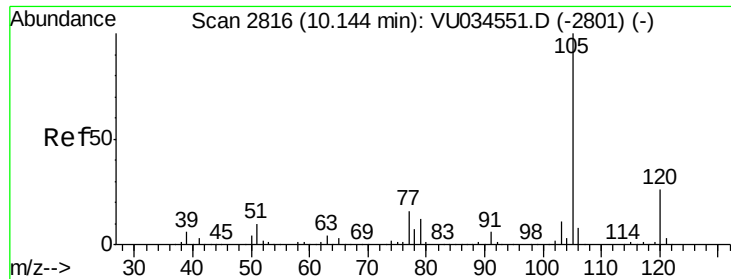
Tgt Ion:106 Resp: 112093
Ion Ratio Lower Upper
106 100
91 219.1 158.7 294.7



#55
Styrene
Concen: 5.058 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034554.D
Acq: 15 Sep 2019 10:32

Tgt Ion:104 Resp: 195707
Ion Ratio Lower Upper
104 100
78 46.3 31.8 59.0





#56

Isopropylbenzene

Concen: 5.018 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034554.D

Acq: 15 Sep 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

VICV01

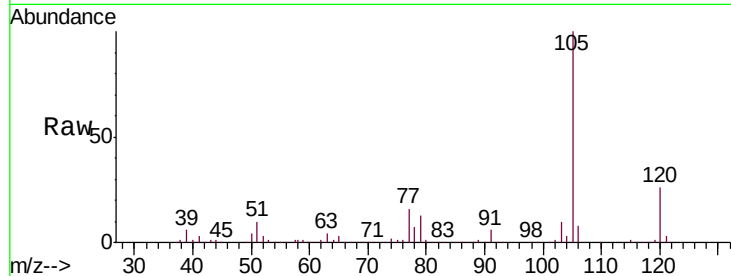
Tgt Ion: 105 Resp: 290853

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

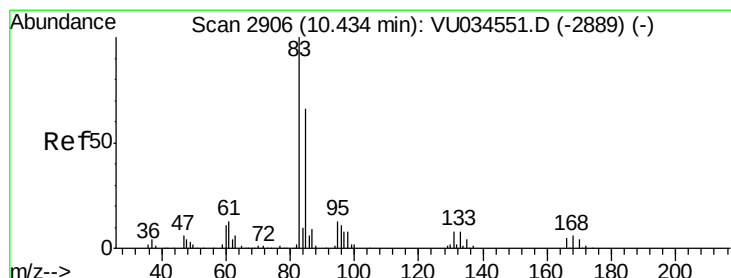
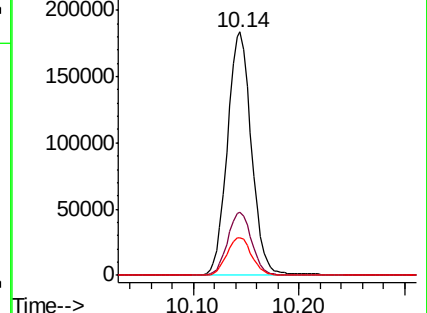
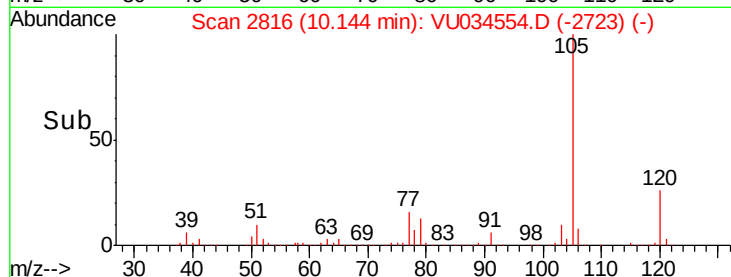
77 16.0 13.4 20.0



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: 4.660 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034554.D

Acq: 15 Sep 2019 10:32

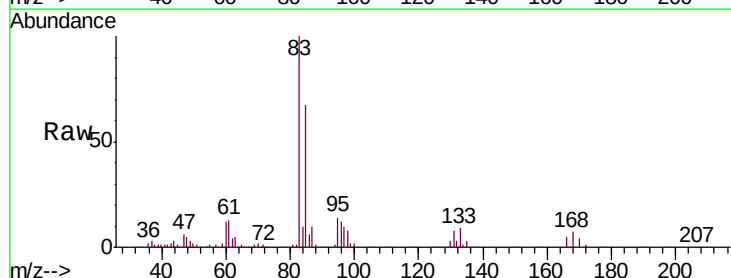
Tgt Ion: 83 Resp: 70723

Ion Ratio Lower Upper

83 100

85 66.8 46.2 85.8

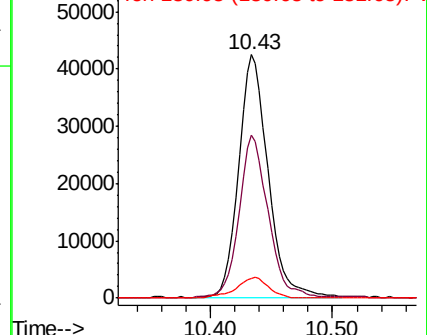
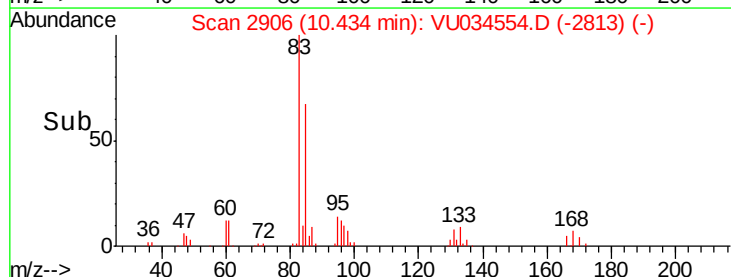
131 8.3 6.4 9.6

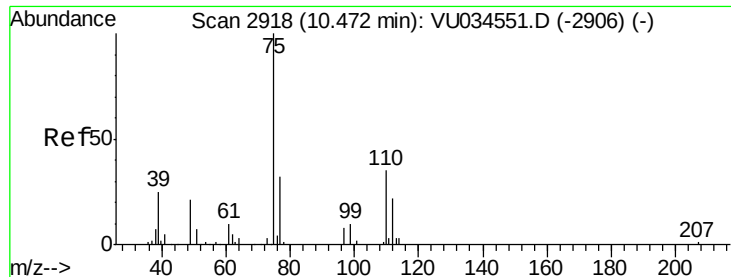


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.608 ug/L

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034554.D

Acq: 15 Sep 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

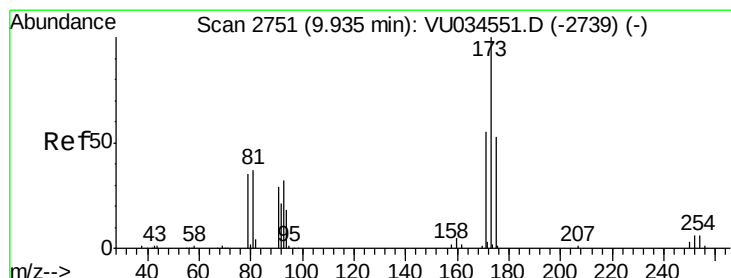
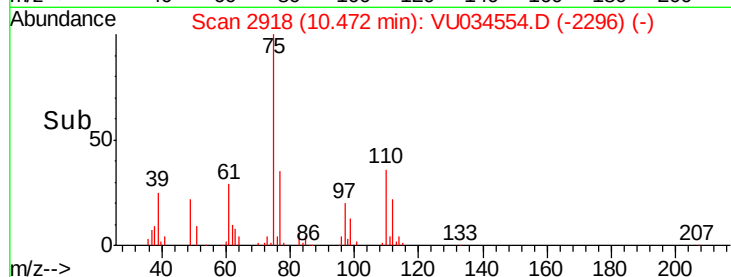
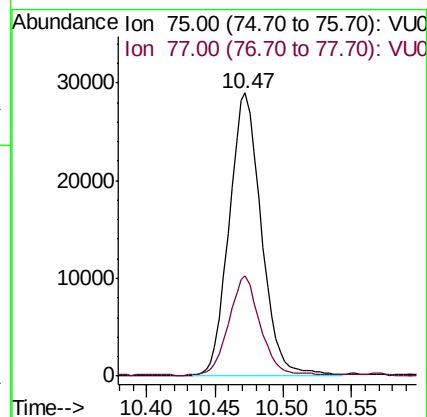
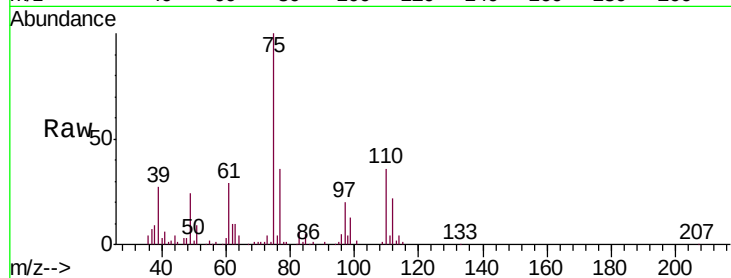
VICV01

Tgt Ion: 75 Resp: 47783

Ion Ratio Lower Upper

75 100

77 35.2 27.3 40.9



#61

Bromoform

Concen: 4.702 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034554.D

Acq: 15 Sep 2019 10:32

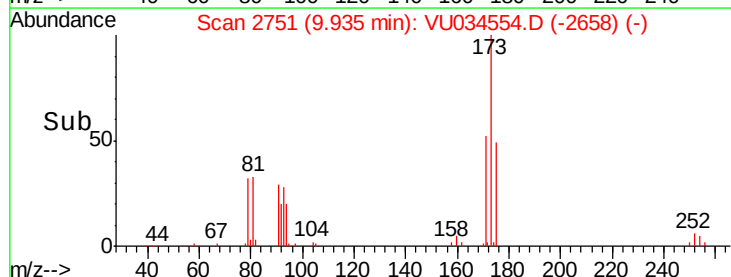
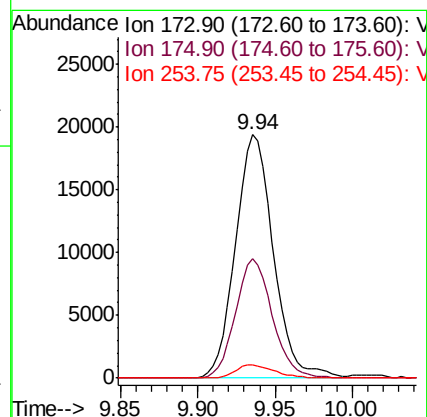
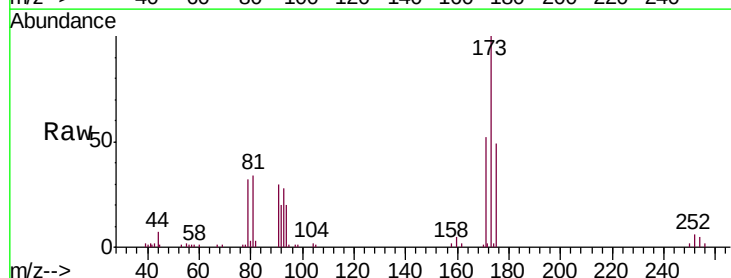
Tgt Ion: 173 Resp: 33019

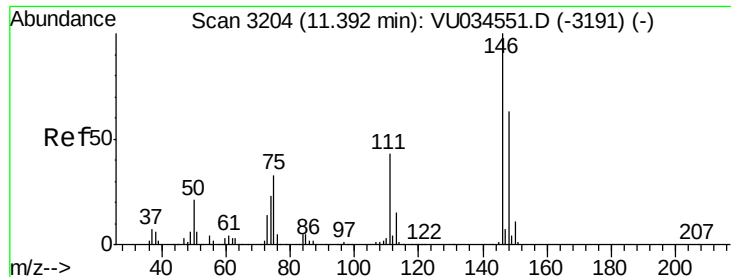
Ion Ratio Lower Upper

173 100

175 47.5 39.8 59.6

254 5.4 5.2 7.8





#62

1,3-Dichlorobenzene

Concen: 4.912 ug/L

RT: 11.39 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU034554.D

Acq: 15 Sep 2019 10:32

Instrument :

MSVOA_U

ClientSampled :

VICV01

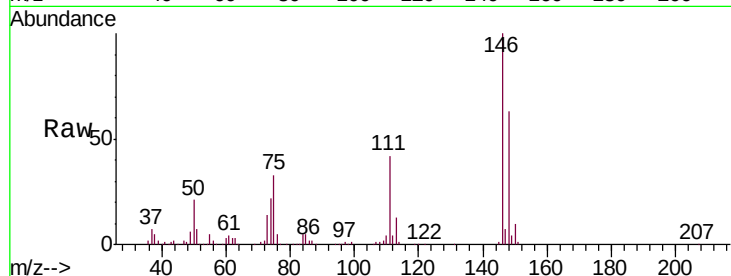
Tgt Ion:146 Resp: 133859

Ion Ratio Lower Upper

146 100

111 42.3 30.3 56.3

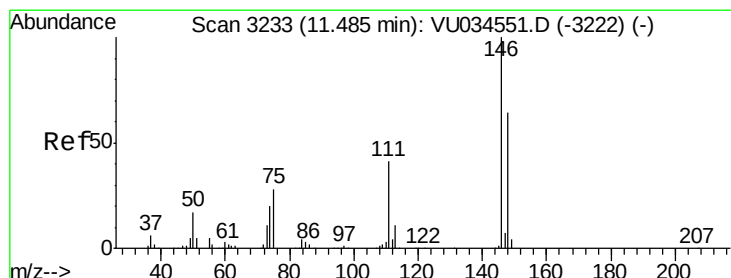
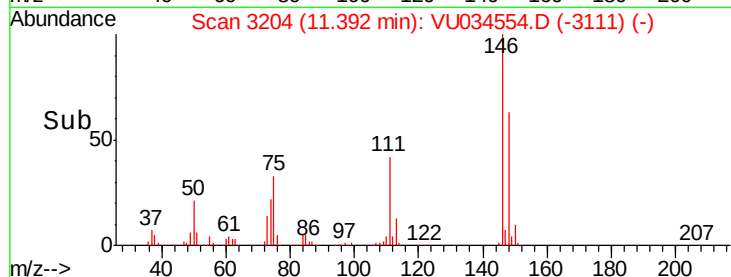
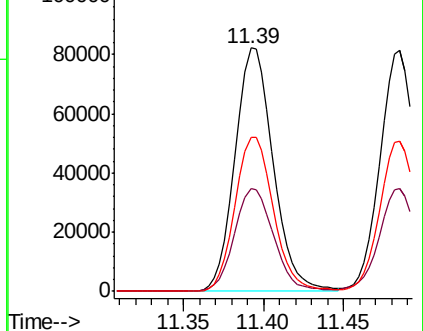
148 63.1 44.3 82.3



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: 4.968 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. -0.00 min

Lab File: VU034554.D

Acq: 15 Sep 2019 10:32

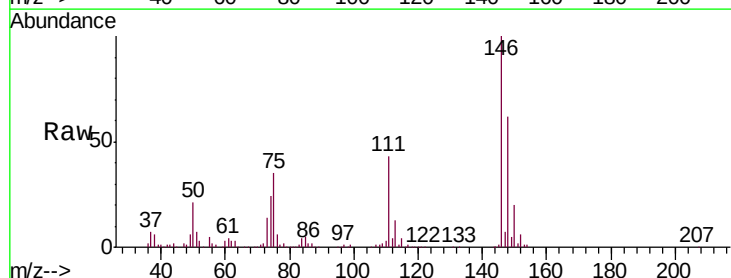
Tgt Ion:146 Resp: 134939

Ion Ratio Lower Upper

146 100

111 42.7 29.2 54.2

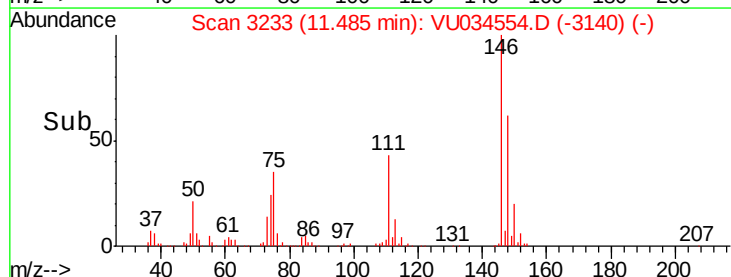
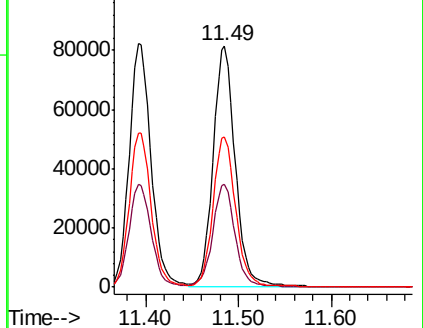
148 62.4 44.5 82.7

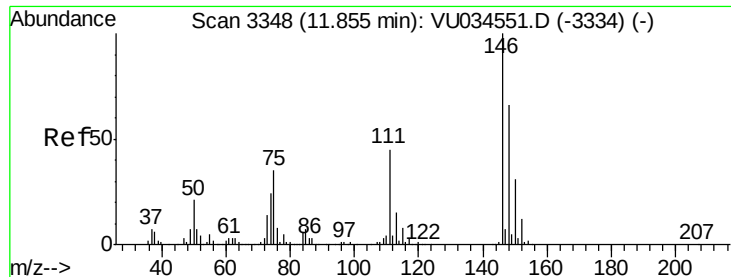


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

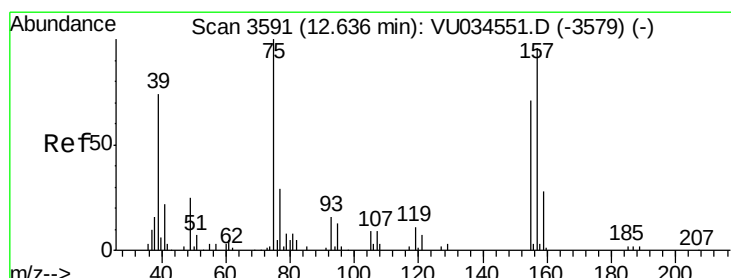
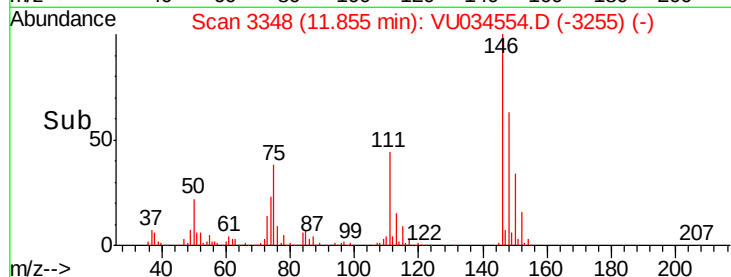
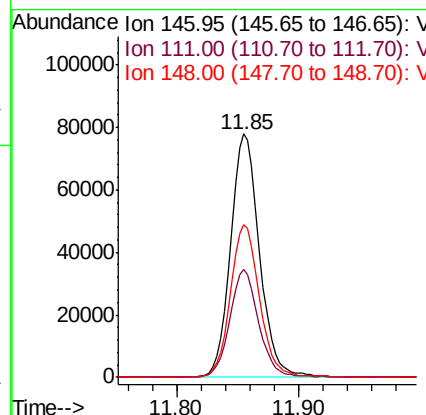
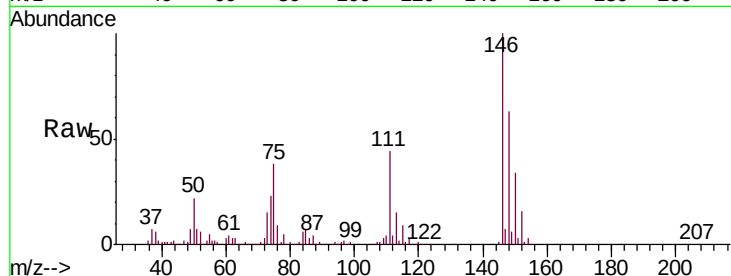




#65
 1,2-Dichlorobenzene
 Concen: 4.967 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034554.D
 Acq: 15 Sep 2019 10:32

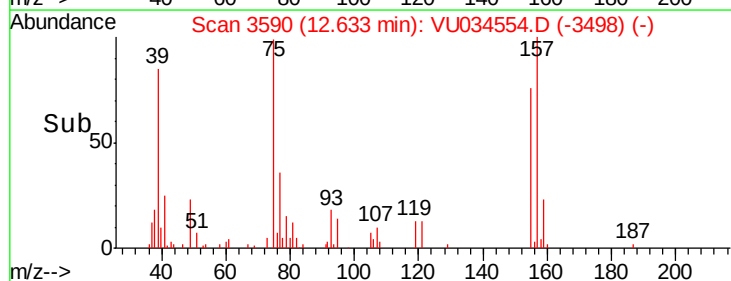
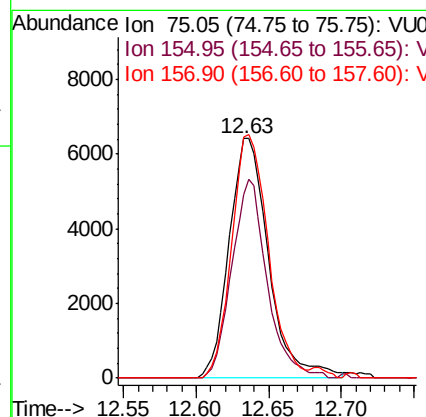
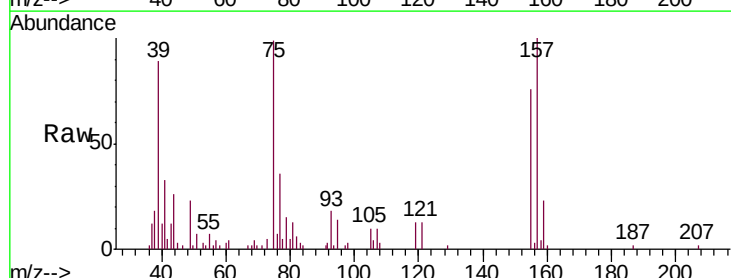
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV01

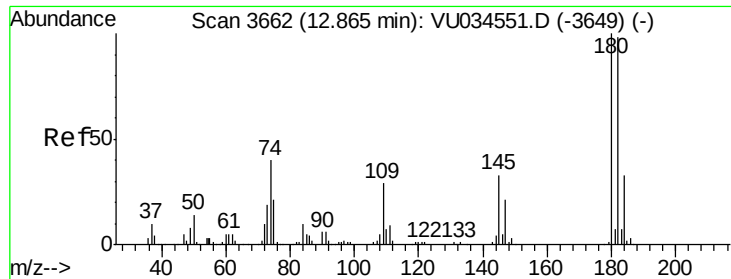
Tgt Ion: 146 Resp: 129251
 Ion Ratio Lower Upper
 146 100
 111 44.3 36.4 54.6
 148 63.0 52.6 78.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.714 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.00 min
 Lab File: VU034554.D
 Acq: 15 Sep 2019 10:32

Tgt Ion: 75 Resp: 12162
 Ion Ratio Lower Upper
 75 100
 155 76.5 57.2 85.8
 157 100.5 77.0 115.4

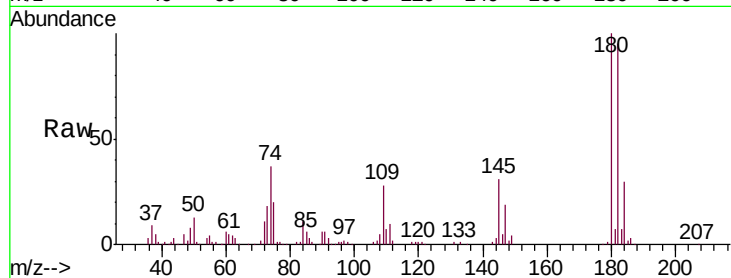




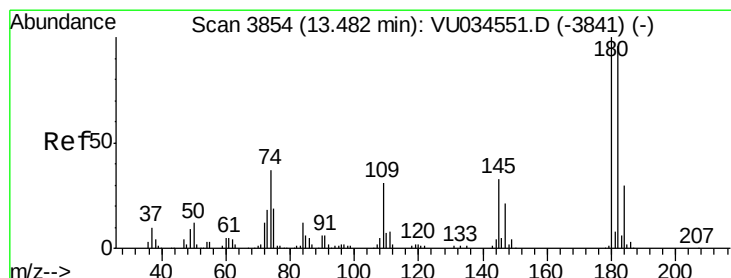
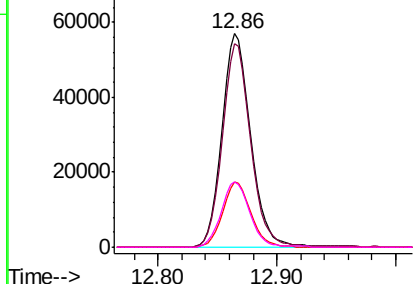
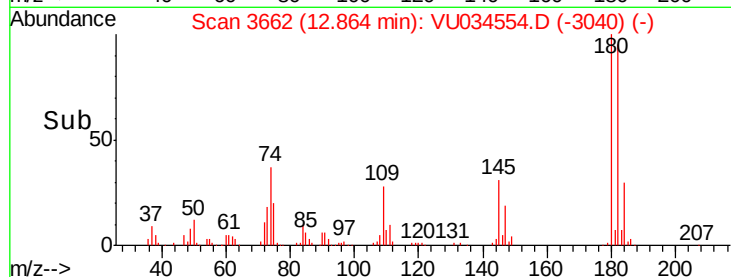
#67
 1,3,5-Trichlorobenzene
 Concen: 5.188 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VU034554.D
 Acq: 15 Sep 2019 10:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV01

Tgt Ion:	180	Resp:	95417
Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.9	113.9
184	29.9	24.2	36.2
145	30.8	25.9	38.9

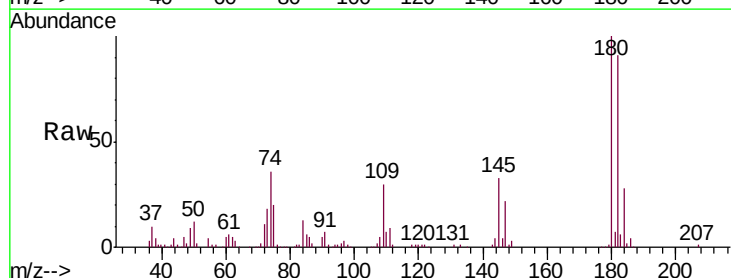


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

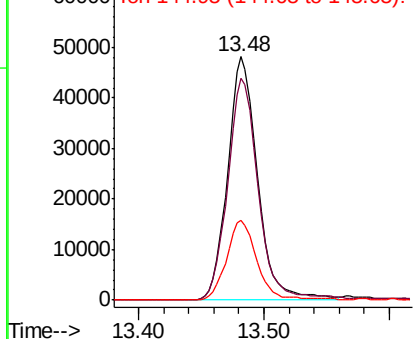
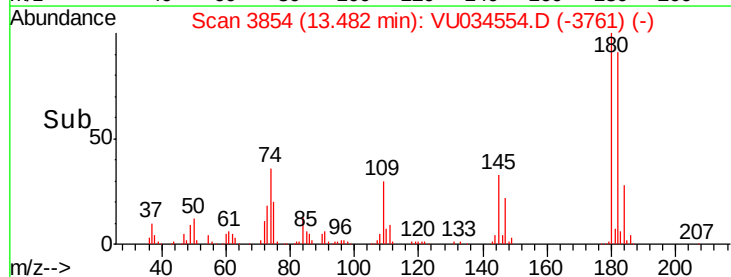


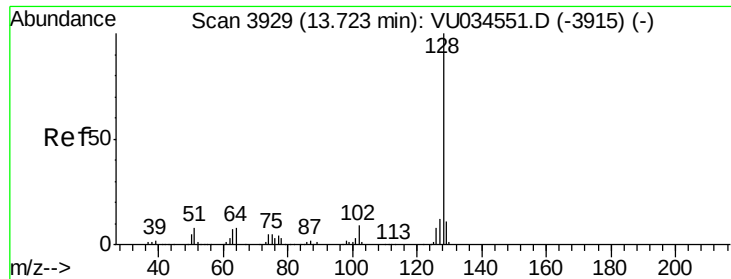
#68
 1,2,4-trichlorobenzene
 Concen: 5.355 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034554.D
 Acq: 15 Sep 2019 10:32

Tgt Ion:	180	Resp:	79643
Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.1	114.1
145	33.0	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: 5.374 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. -0.00 min

Lab File: VU034554.D

Acq: 15 Sep 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

VICV01

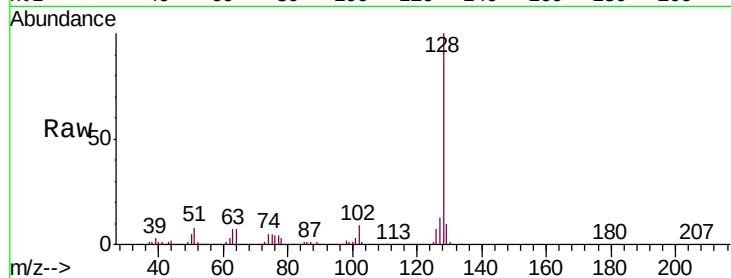
Tgt Ion:128 Resp: 177109

Ion Ratio Lower Upper

128 100

129 10.1 8.8 13.2

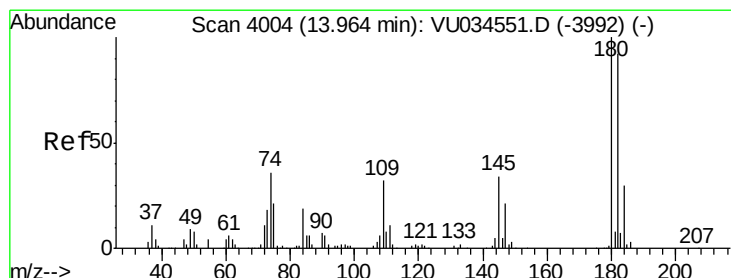
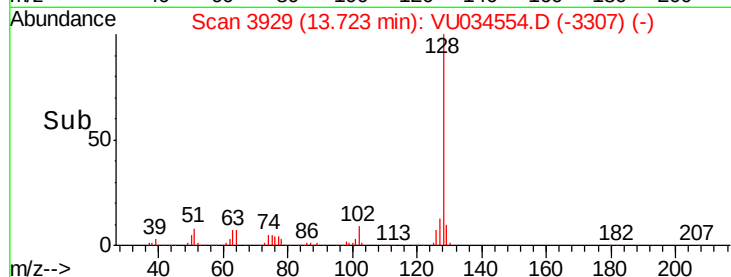
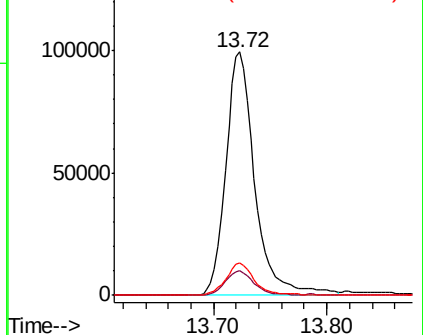
127 12.9 10.1 15.1



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: 5.091 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. -0.00 min

Lab File: VU034554.D

Acq: 15 Sep 2019 10:32

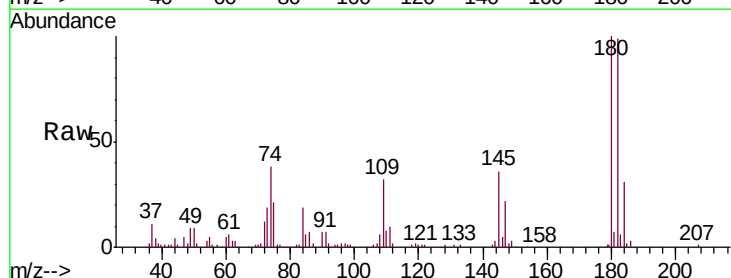
Tgt Ion:180 Resp: 72703

Ion Ratio Lower Upper

180 100

182 95.8 72.8 109.2

145 35.8 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

