

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031120\
 Data File : VU037156.D
 Acq On : 10 Mar 2020 17:06
 Operator : JC/MD
 Sample : VSTD01002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Quant Time: Mar 11 08:57:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Mar 11 08:42:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	132054	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	131811	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	66062	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	88726	8.11	ug/L	0.00
7) Chloroethane-d5	1.93	69	59779	6.52	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	180526	9.50	ug/L	0.00
20) 2-Butanone-d5	4.68	46	237953	101.61	ug/L	0.00
24) Chloroform-d	5.11	84	184264	10.40	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	101859	10.04	ug/L	0.00
32) Benzene-d6	5.76	84	334535	8.63	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	105113	8.51	ug/L	0.00
41) Toluene-d8	7.93	98	325007	8.94	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	46020	9.42	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	202075	92.41	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	88427	8.98	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	116356	9.06	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	171288	16.400 ug/L	98
3) Chloromethane	1.54	50	148380	14.571 ug/L	98
5) Vinyl chloride	1.62	62	129925	11.591 ug/L	95
6) Bromomethane	1.87	94	50302	8.144 ug/L	97
8) Chloroethane	1.95	64	60703	8.225 ug/L	97
9) Trichlorofluoromethane	2.16	101	184521	12.307 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	98093	10.662 ug/L	96
12) 1,1-Dichloroethene	2.60	96	89505	10.820 ug/L	96
13) Acetone	2.67	43	188458	66.257 ug/L	98
14) Carbon disulfide	2.82	76	287787	13.312 ug/L	98
15) Methyl Acetate	2.99	43	42656	10.379 ug/L	99
16) Methylene chloride	3.08	84	98271	7.291 ug/L	98
17) Methyl tert-butyl Ether	3.40	73	241351	10.100 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	93887	10.905 ug/L	99
19) 1,1-Dichloroethane	3.91	63	185581	10.457 ug/L	97
21) 2-Butanone	4.76	43	309418	89.423 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	104699	10.322 ug/L	95
23) Bromochloromethane	5.02	128	44137	10.721 ug/L	85
25) Chloroform	5.13	83	199204	10.397 ug/L	97
27) 1,2-Dichloroethane	5.83	62	144017	11.632 ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	173625	11.443 ug/L	99
30) Cyclohexane	5.42	56	176121	11.113 ug/L	98
31) Carbon tetrachloride	5.56	117	153786	12.385 ug/L	99
33) Benzene	5.81	78	409112	9.939 ug/L	100
34) Trichloroethene	6.57	95	107198	10.138 ug/L	96
35) Methylcyclohexane	6.79	83	176085	10.568 ug/L	99
37) 1,2-Dichloropropane	6.82	63	108241	9.724 ug/L	100
38) Bromodichloromethane	7.14	83	144076	10.639 ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	161652	10.094 ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	785337	107.779 ug/L	100

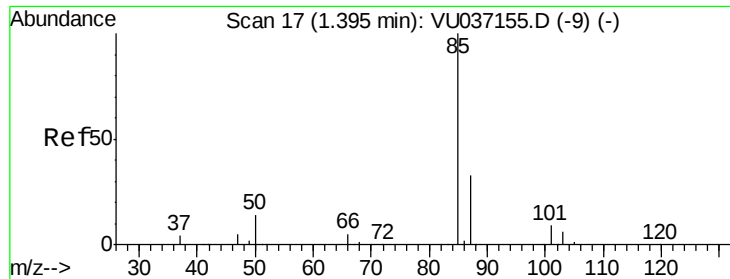
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031120\
 Data File : VU037156.D
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Mar 11 08:42:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	456538	10.295	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	136764	10.770	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	77680	9.966	ug/L	98
47) Tetrachloroethene	8.58	164	83722	11.302	ug/L	96
48) 2-Hexanone	8.71	43	580816	96.099	ug/L	100
49) Dibromochloromethane	8.83	129	93662	11.261	ug/L	97
50) 1,2-Dibromoethane	8.95	107	74875	10.484	ug/L #	95
51) Chlorobenzene	9.47	112	280768	10.268	ug/L	99
52) Ethylbenzene	9.59	91	508438	10.293	ug/L	99
53) m,p-Xylene	9.72	106	190525	10.515	ug/L	94
54) o-Xylene	10.12	106	183917	10.423	ug/L	99
55) Styrene	10.13	104	306763	10.297	ug/L	99
56) Isopropylbenzene	10.50	105	500488	10.543	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	97216	9.598	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	71991	9.710	ug/L	98
61) Bromoform	10.31	173	51428	10.972	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	219562	9.638	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	216330	9.631	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	209125	9.582	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	16986	10.481	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	159348	10.022	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	121858	10.412	ug/L	99
69) Naphthalene	14.12	128	195324	9.658	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	113426	10.718	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 16.400 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037156.D

Acq: 10 Mar 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

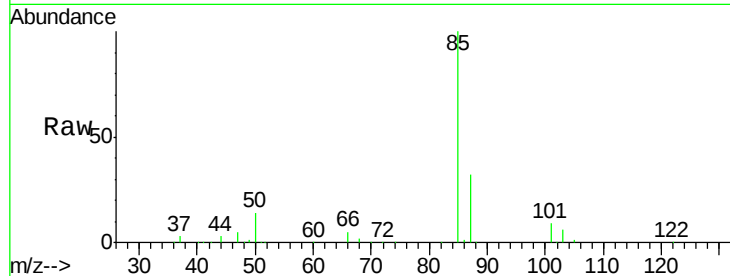
VSTD01002

Tgt Ion: 85 Resp: 171288

Ion Ratio Lower Upper

85 100

87 31.9 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037155.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037155.D (-9) (-)

1.39

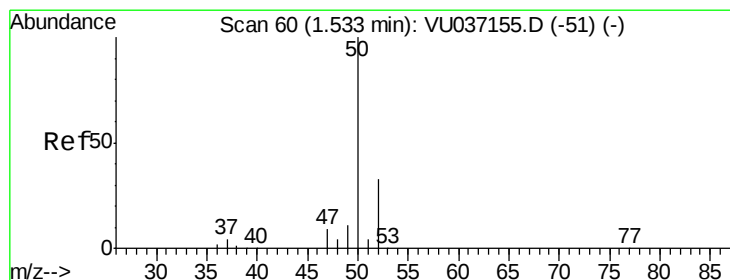
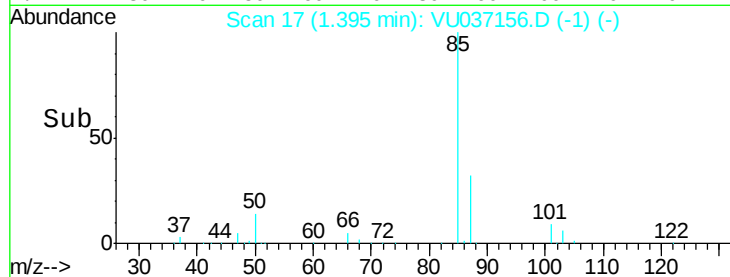
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 14.571 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037156.D

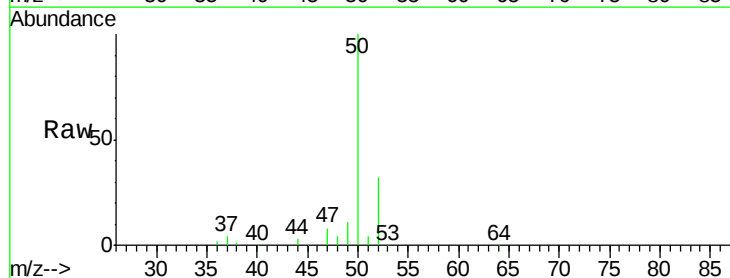
Acq: 10 Mar 2020 17:06

Tgt Ion: 50 Resp: 148380

Ion Ratio Lower Upper

50 100

52 32.4 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU037155.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU037155.D (-51) (-)

1.54

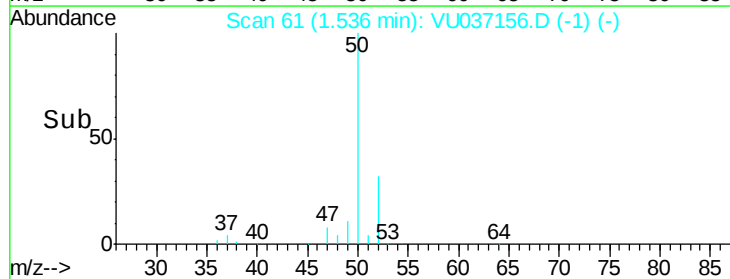
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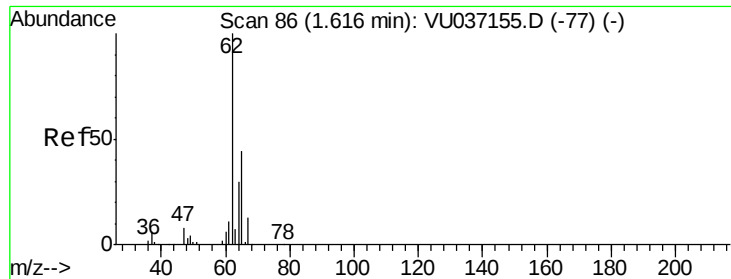
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 11.591 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037156.D

Acq: 10 Mar 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

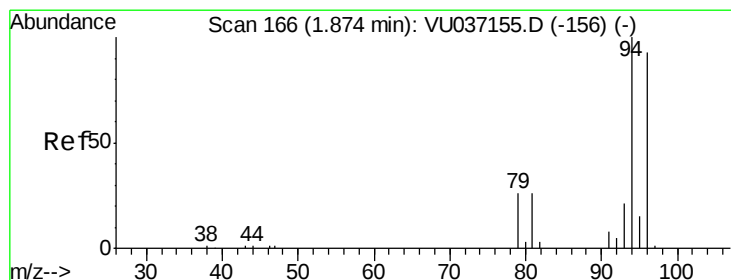
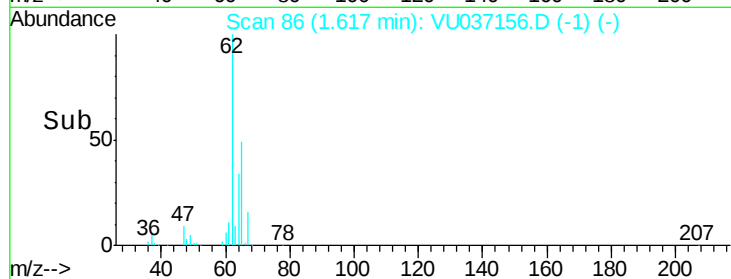
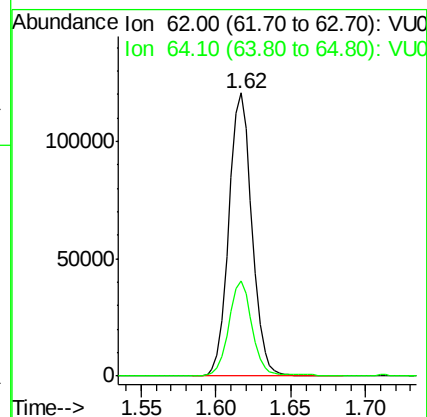
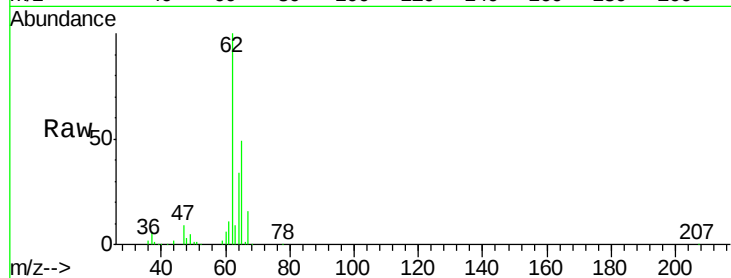
VSTD01002

Tgt Ion: 62 Resp: 129925

Ion Ratio Lower Upper

62 100

64 33.6 21.6 40.0



#6

Bromomethane

Concen: 8.144 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037156.D

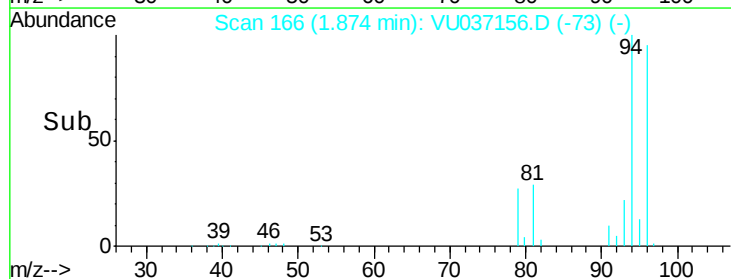
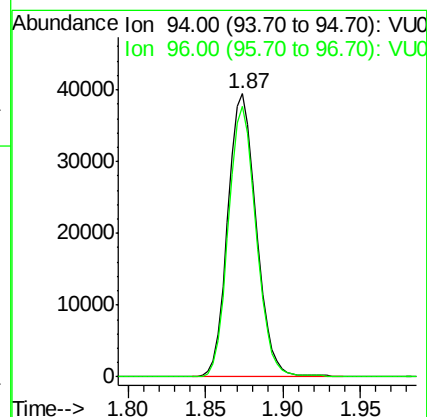
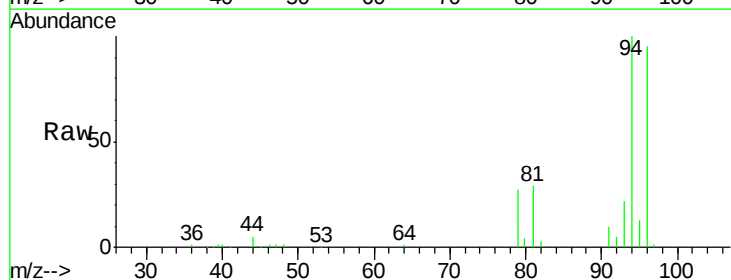
Acq: 10 Mar 2020 17:06

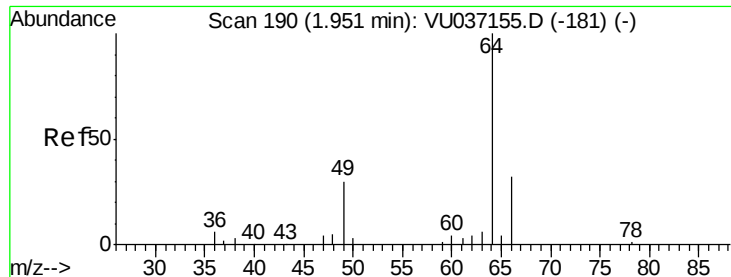
Tgt Ion: 94 Resp: 50302

Ion Ratio Lower Upper

94 100

96 95.4 64.8 120.4





#8

Chloroethane

Concen: 8.225 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU037156.D

Acq: 10 Mar 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

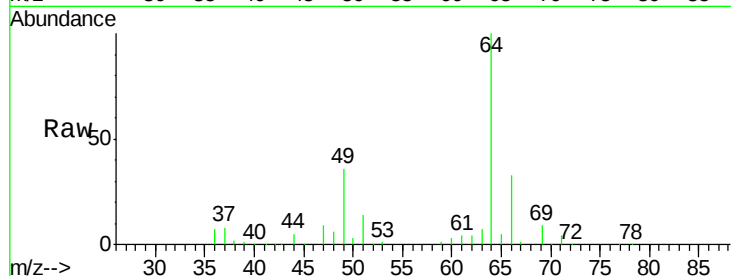
VSTD01002

Tgt Ion: 64 Resp: 60703

Ion Ratio Lower Upper

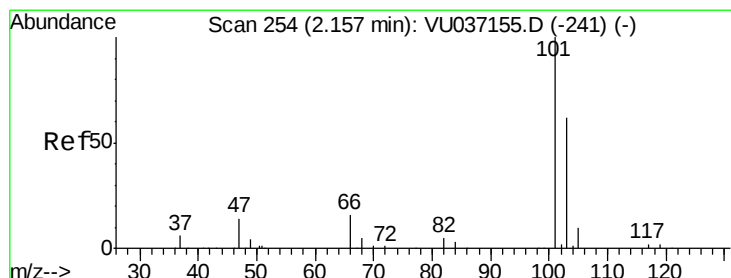
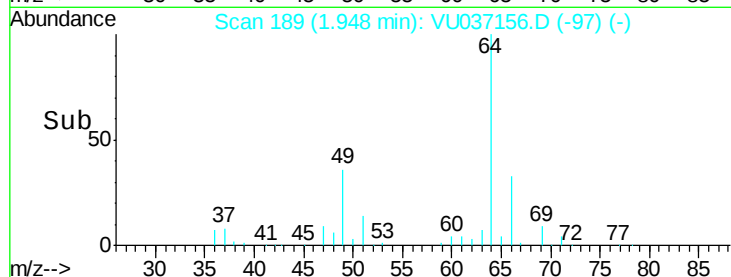
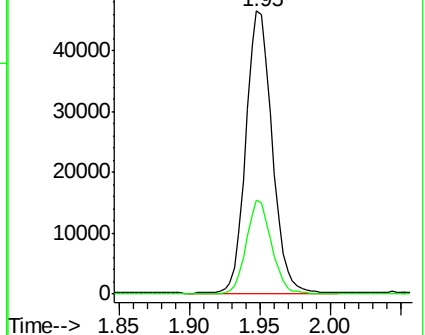
64 100

66 33.1 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VU037156.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU037156.D (-181) (-)



#9

Trichlorofluoromethane

Concen: 12.307 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037156.D

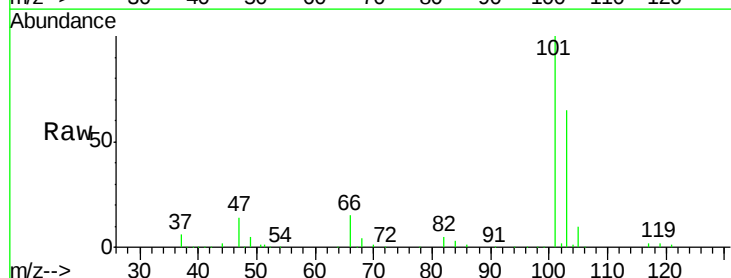
Acq: 10 Mar 2020 17:06

Tgt Ion: 101 Resp: 184521

Ion Ratio Lower Upper

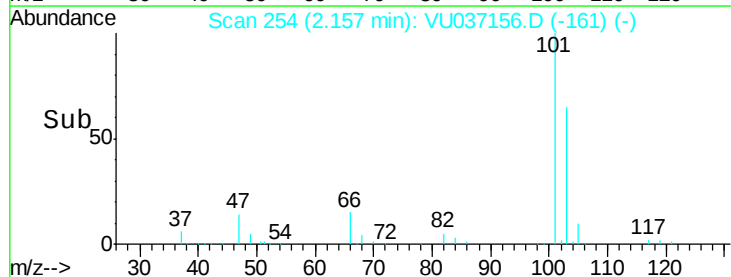
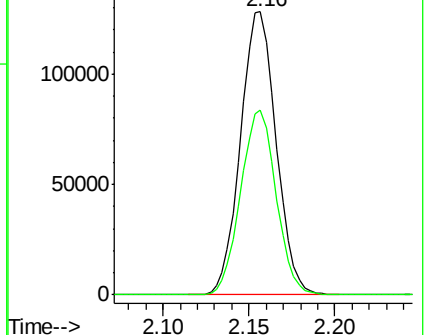
101 100

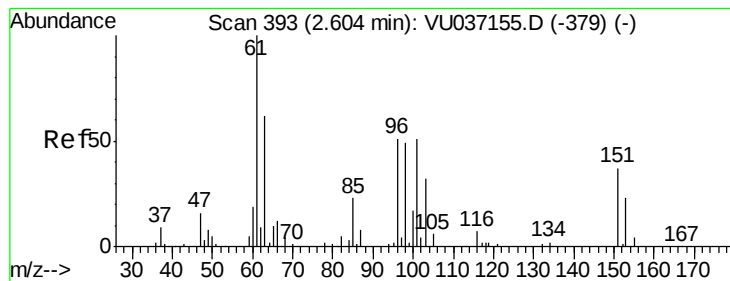
103 65.0 50.2 75.4



Abundance Ion 101.00 (100.70 to 101.70): VU037156.D (-241) (-)

Ion 103.00 (102.70 to 103.70): VU037156.D (-241) (-)





#10

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

Concen: 10.662 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037156.D

Acq: 10 Mar 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

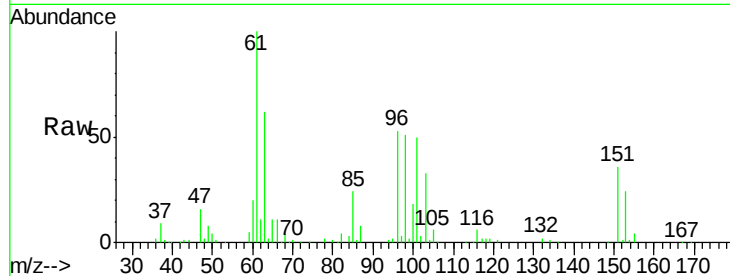
Tgt Ion:101 Resp: 98093

Ion Ratio Lower Upper

101 100

85 46.1 37.5 56.3

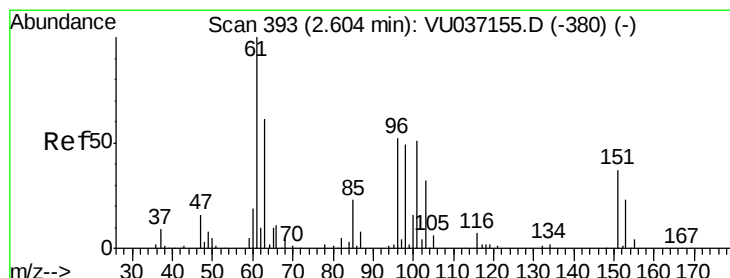
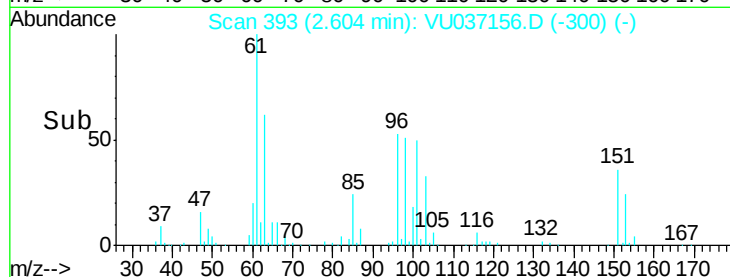
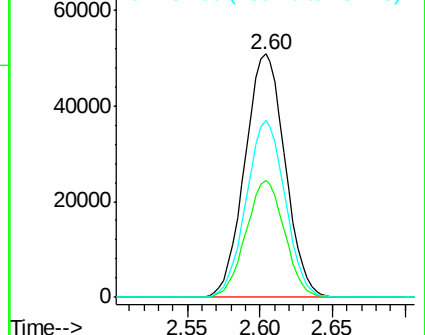
151 70.3 59.8 89.6



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: 10.820 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037156.D

Acq: 10 Mar 2020 17:06

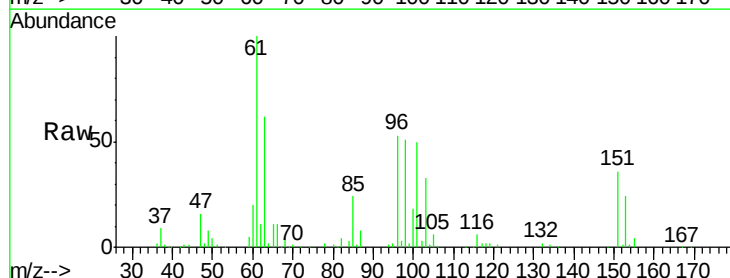
Tgt Ion: 96 Resp: 89505

Ion Ratio Lower Upper

96 100

61 188.9 136.4 253.2

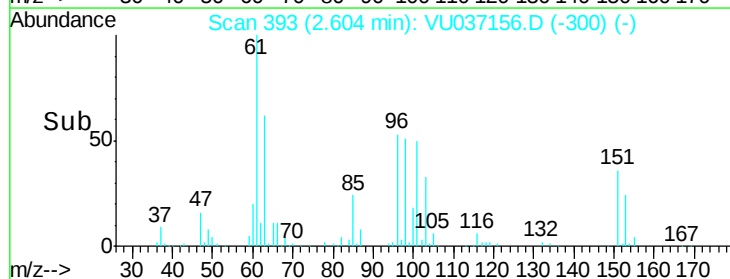
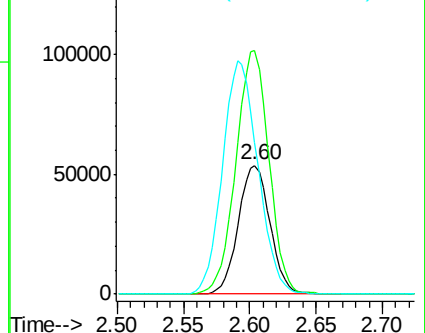
63 117.2 86.2 160.0

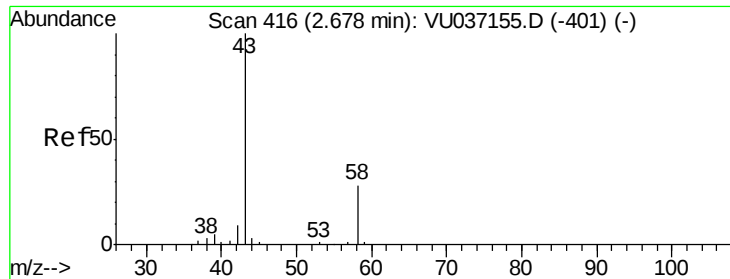


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 66.257 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU037156.D

Acq: 10 Mar 2020 17:06

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MSVOA_U

ClientSampleId :

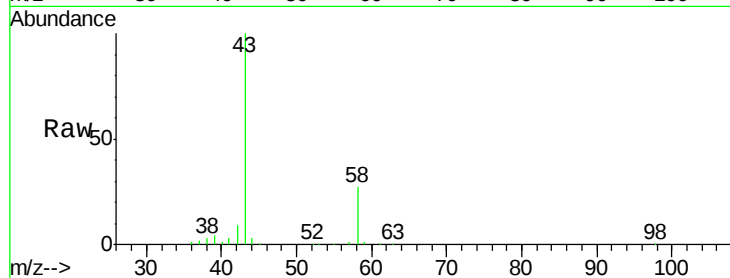
VSTD01002

Tgt Ion: 43 Resp: 188458

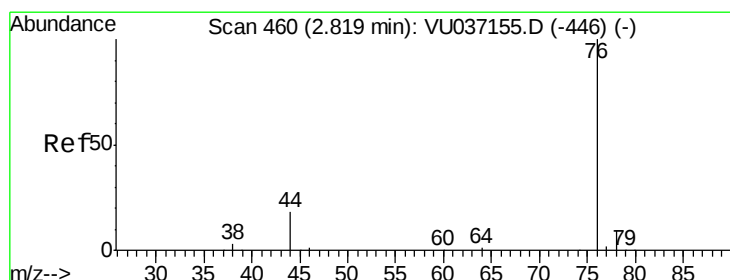
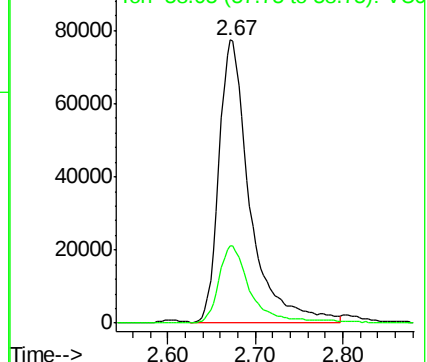
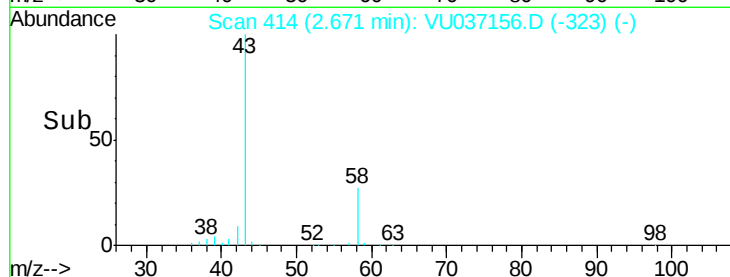
Ion Ratio Lower Upper

43 100

58 27.1 0.0 52.2



Abundance Ion 43.05 (42.75 to 43.75): VU037156.D (-323) (-)



#14

Carbon disulfide

Concen: 13.312 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037156.D

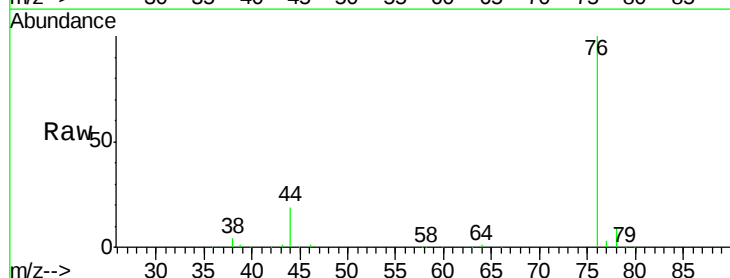
Acq: 10 Mar 2020 17:06

Tgt Ion: 76 Resp: 287787

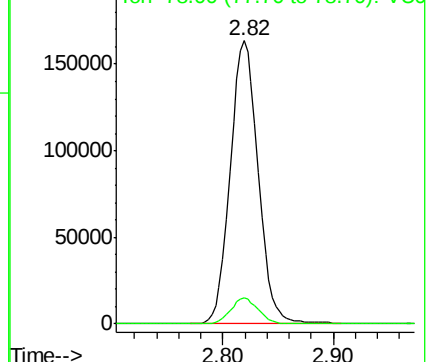
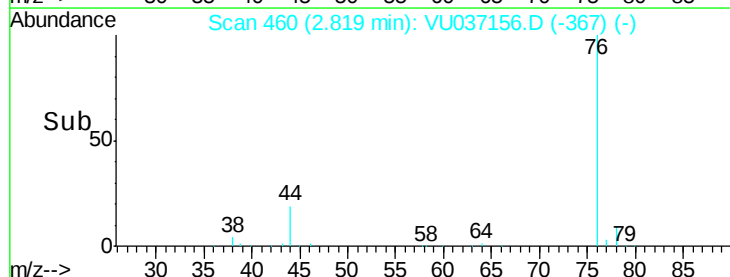
Ion Ratio Lower Upper

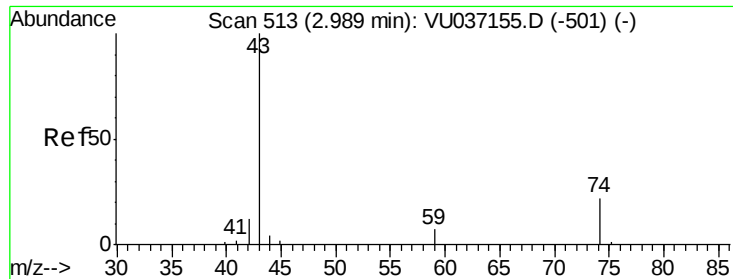
76 100

78 9.4 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VU037156.D (-367) (-)

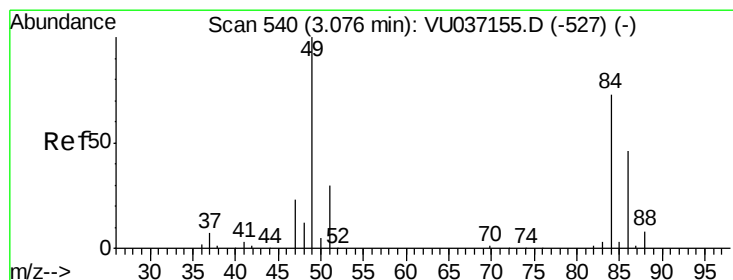
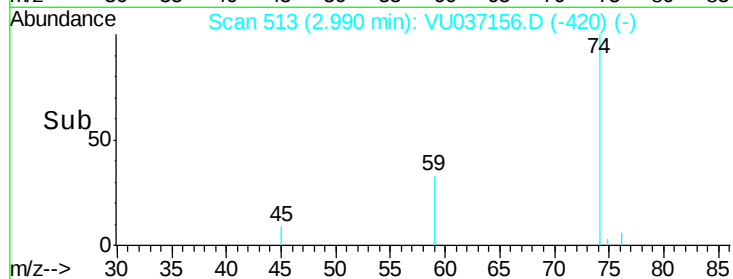
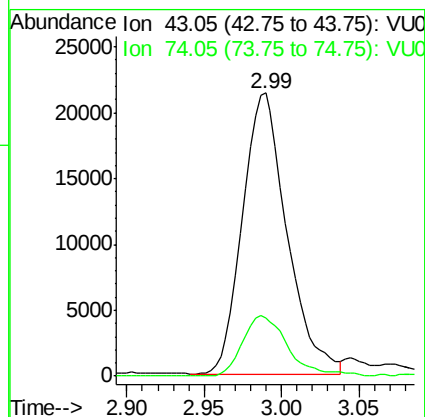
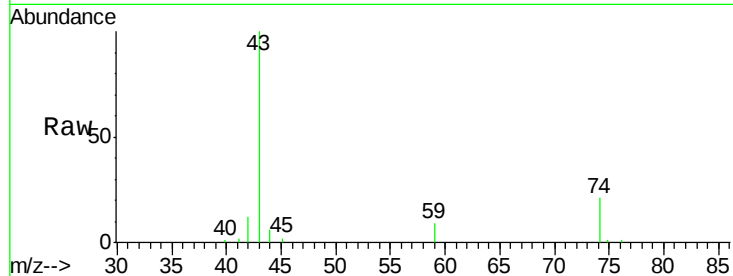




#15
Methyl Acetate
Concen: 10.379 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.00 min
Lab File: VU037156.D
Acq: 10 Mar 2020 17:06

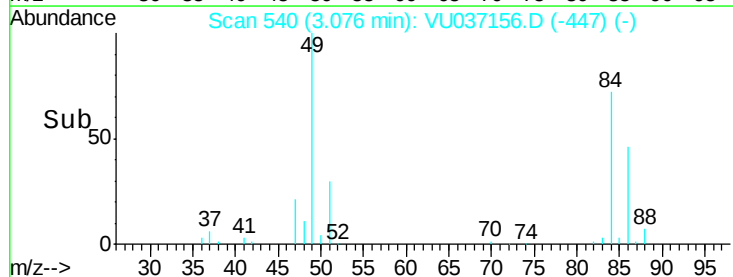
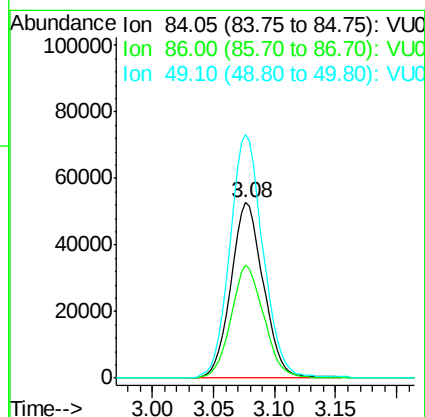
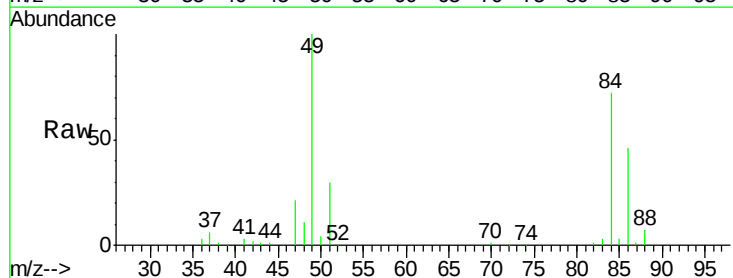
Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

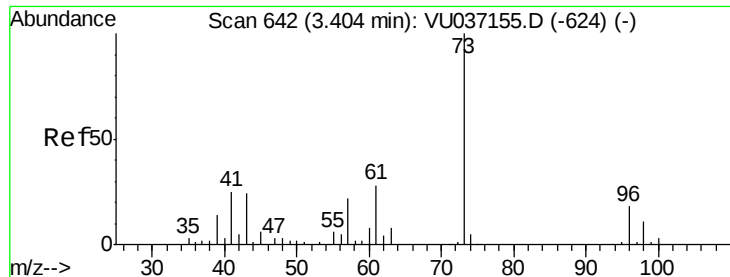
Tgt Ion: 43 Resp: 42656
Ion Ratio Lower Upper
43 100
74 22.0 17.1 25.7



#16
Methylene chloride
Concen: 7.291 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037156.D
Acq: 10 Mar 2020 17:06

Tgt Ion: 84 Resp: 98271
Ion Ratio Lower Upper
84 100
86 64.3 44.3 82.3
49 138.7 95.3 177.1



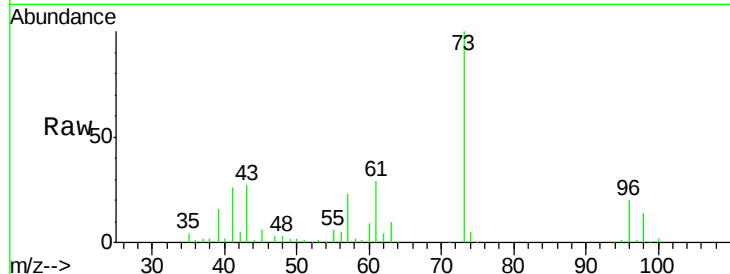


#17

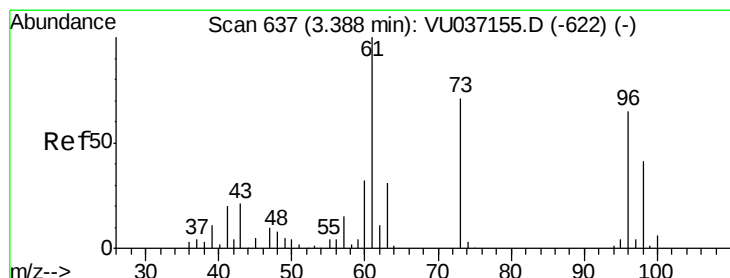
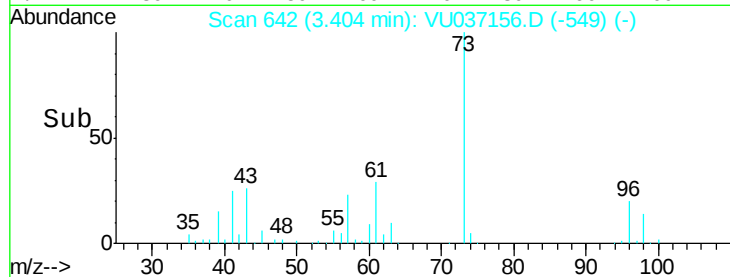
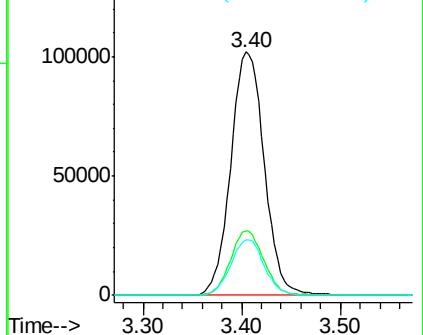
Methyl tert-butyl Ether
 Concen: 10.100 ug/L
 RT: 3.40 min Scan# 642
 Delta R.T. 0.00 min
 Lab File: VU037156.D
 Acq: 10 Mar 2020 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Tgt Ion: 73 Resp: 241351
 Ion Ratio Lower Upper
 73 100
 43 25.9 21.1 31.7
 57 22.8 17.9 26.9



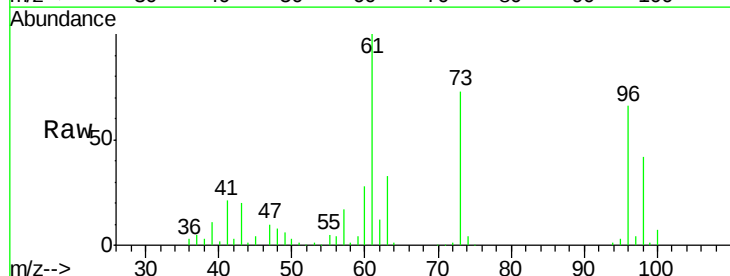
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



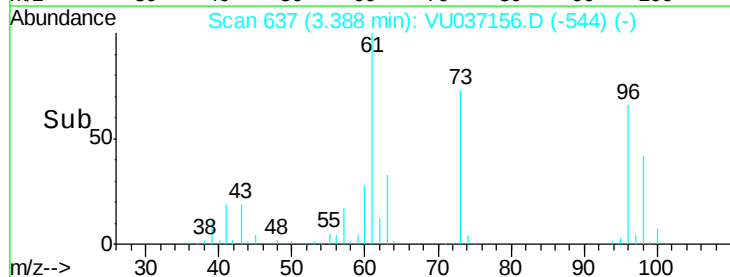
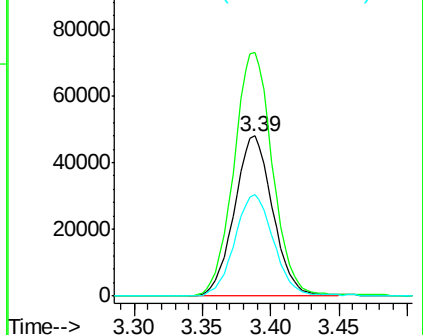
#18

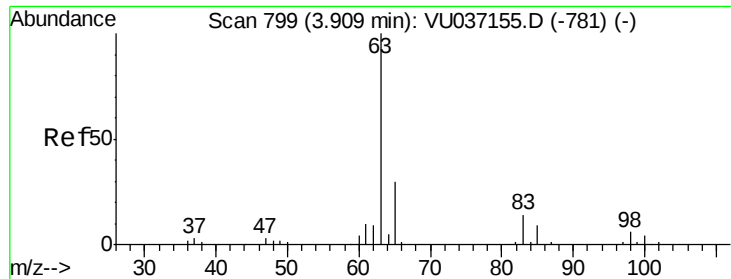
trans-1,2-Dichloroethene
 Concen: 10.905 ug/L
 RT: 3.39 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VU037156.D
 Acq: 10 Mar 2020 17:06

Tgt Ion: 96 Resp: 93887
 Ion Ratio Lower Upper
 96 100
 61 151.9 107.2 199.2
 98 63.0 43.6 81.0



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

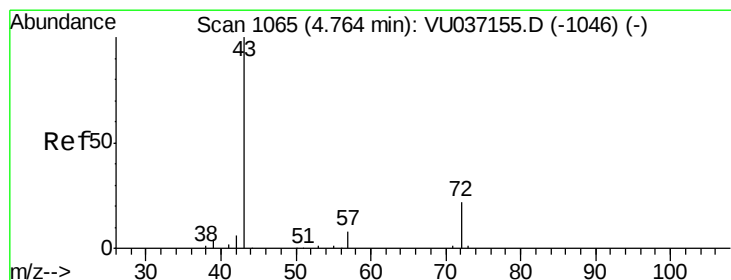
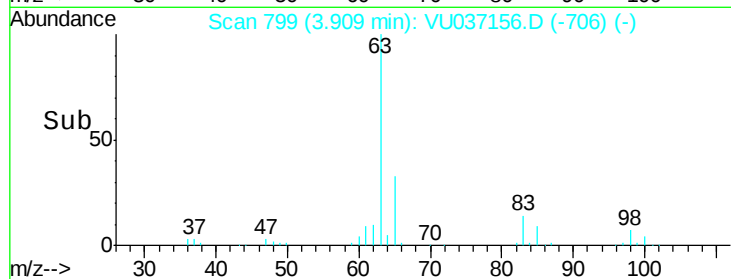
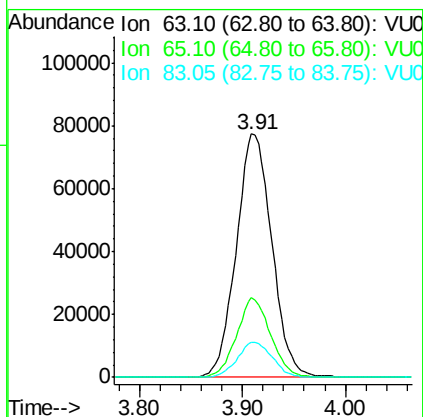
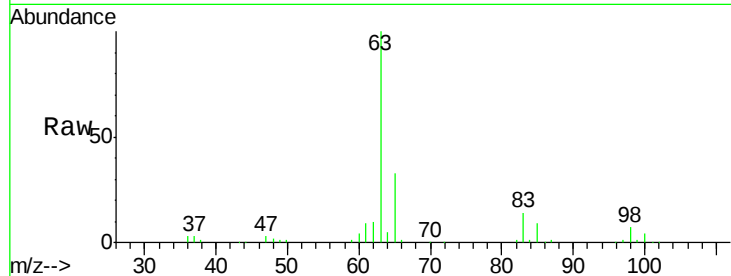




#19
 1,1-Dichloroethane
 Concen: 10.457 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU037156.D
 Acq: 10 Mar 2020 17:06

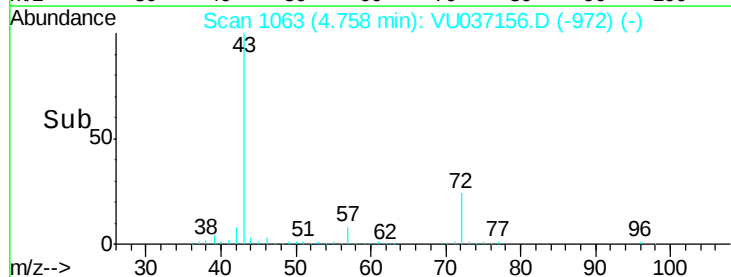
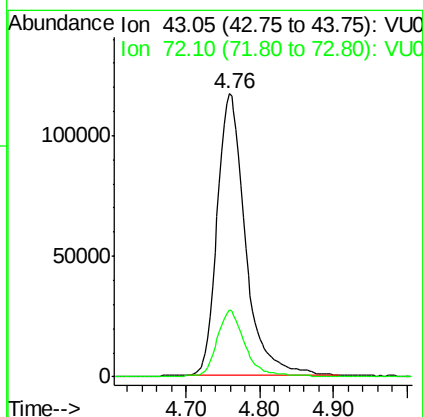
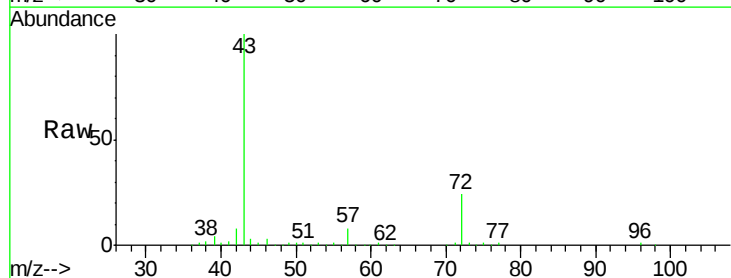
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

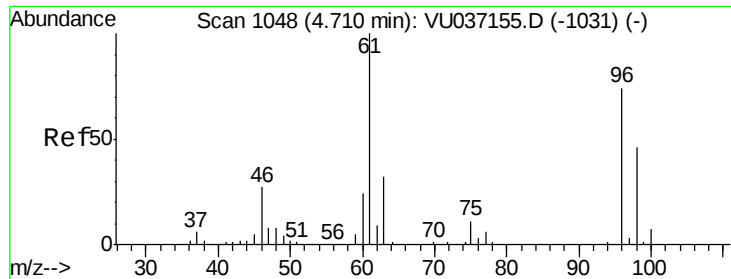
Tgt Ion: 63 Resp: 185581
 Ion Ratio Lower Upper
 63 100
 65 32.6 21.3 39.5
 83 14.3 10.0 18.6



#21
 2-Butanone
 Concen: 89.423 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. -0.01 min
 Lab File: VU037156.D
 Acq: 10 Mar 2020 17:06

Tgt Ion: 43 Resp: 309418
 Ion Ratio Lower Upper
 43 100
 72 23.7 11.6 34.7





#22

cis-1,2-Dichloroethene

Concen: 10.322 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037156.D

Acq: 10 Mar 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

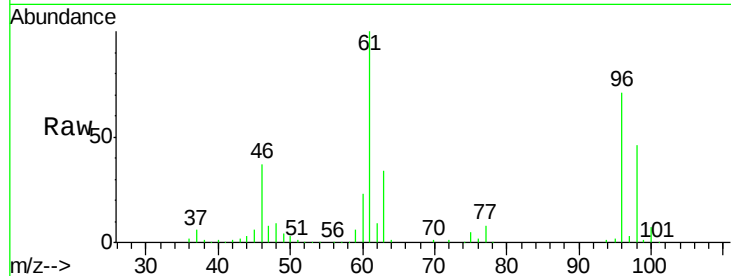
Tgt Ion: 96 Resp: 104699

Ion Ratio Lower Upper

96 100

61 140.2 94.1 174.8

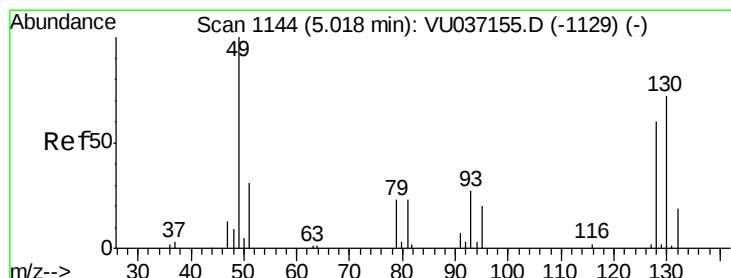
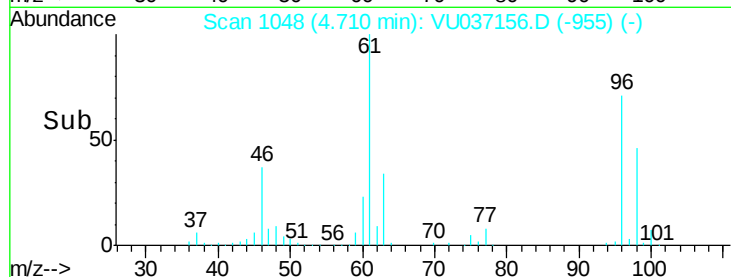
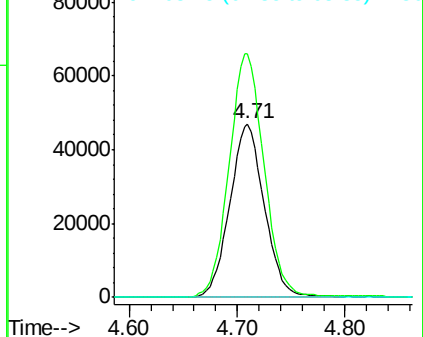
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037156.D (-955) (-)

Ion 61.05 (60.75 to 61.75): VU037156.D (-955) (-)

Ion 68.15 (67.85 to 68.85): VU037156.D (-955) (-)



#23

Bromochloromethane

Concen: 10.721 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU037156.D

Acq: 10 Mar 2020 17:06

Tgt Ion: 128 Resp: 44137

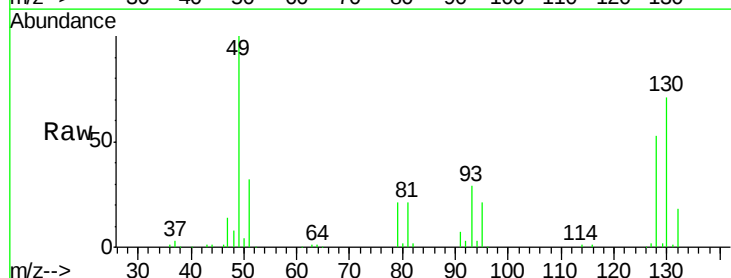
Ion Ratio Lower Upper

128 100

49 189.8 115.7 214.9

130 134.1 83.1 154.3

51 60.4 42.5 63.7

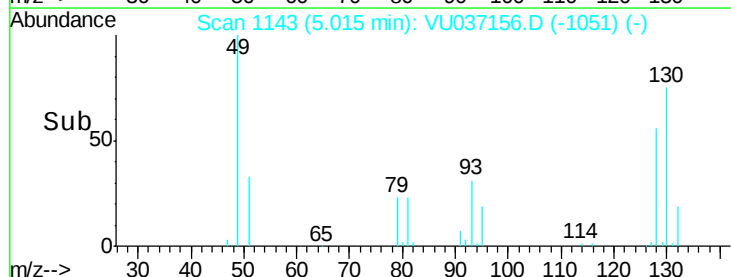
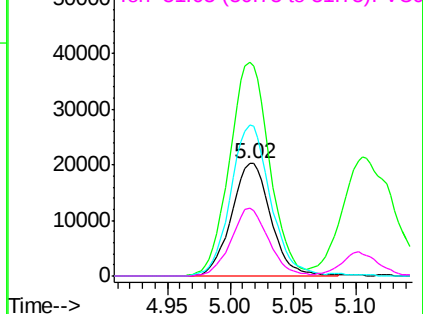


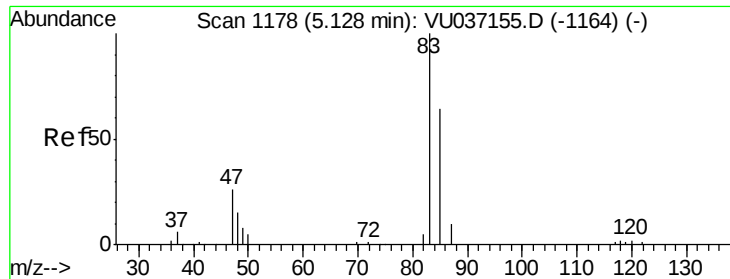
Abundance Ion 127.90 (127.60 to 128.60): VU037156.D (-1051) (-)

Ion 49.10 (48.80 to 49.80): VU037156.D (-1051) (-)

Ion 129.95 (129.65 to 130.65): VU037156.D (-1051) (-)

Ion 51.05 (50.75 to 51.75): VU037156.D (-1051) (-)

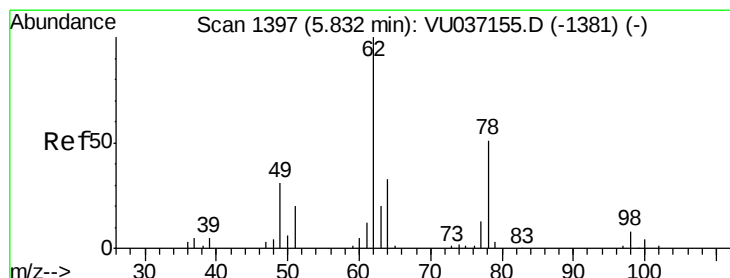
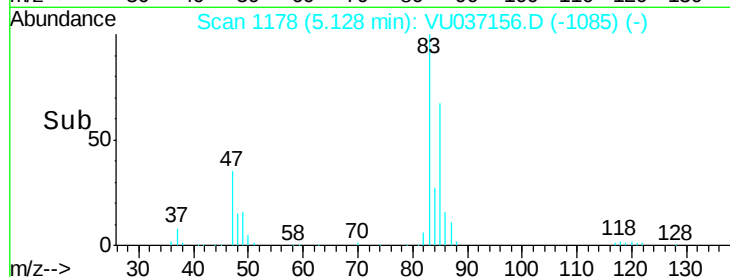
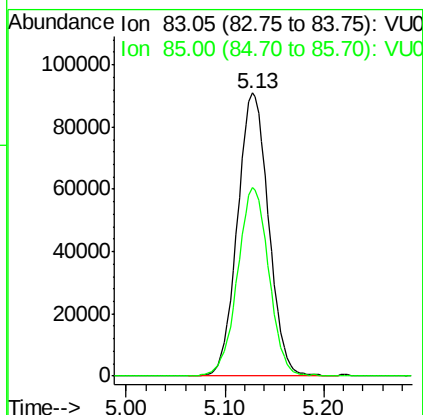
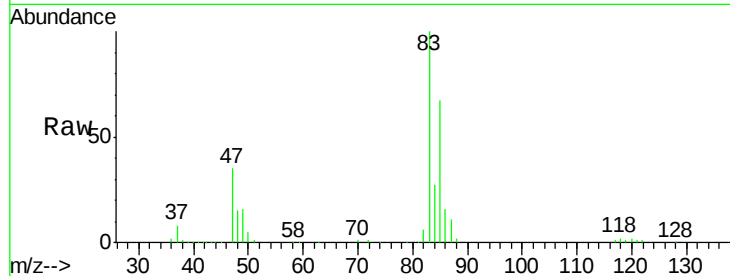




#25
Chloroform
Concen: 10.397 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037156.D
Acq: 10 Mar 2020 17:06

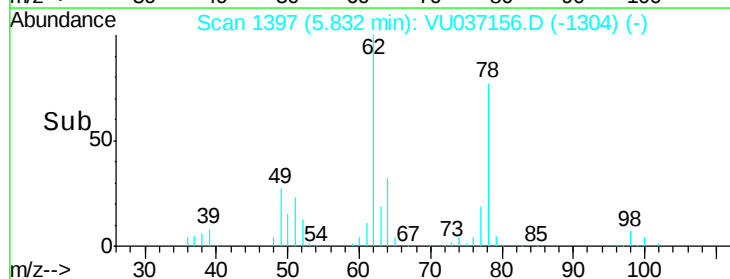
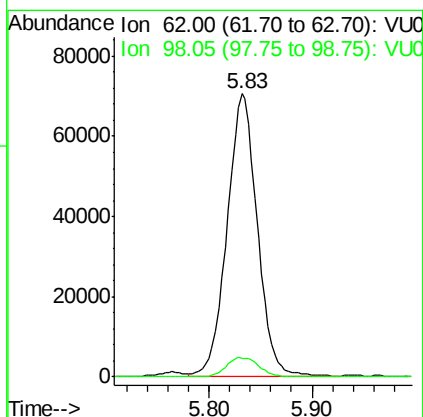
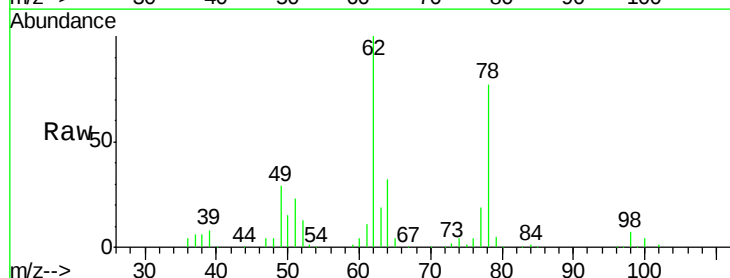
Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

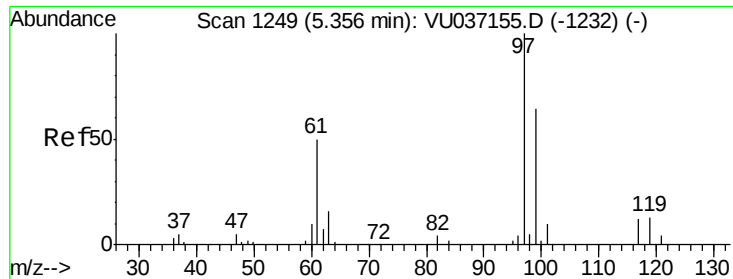
Tgt Ion: 83 Resp: 199204
Ion Ratio Lower Upper
83 100
85 66.7 45.3 84.1



#27
1,2-Dichloroethane
Concen: 11.632 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037156.D
Acq: 10 Mar 2020 17:06

Tgt Ion: 62 Resp: 144017
Ion Ratio Lower Upper
62 100
98 6.7 5.9 8.9

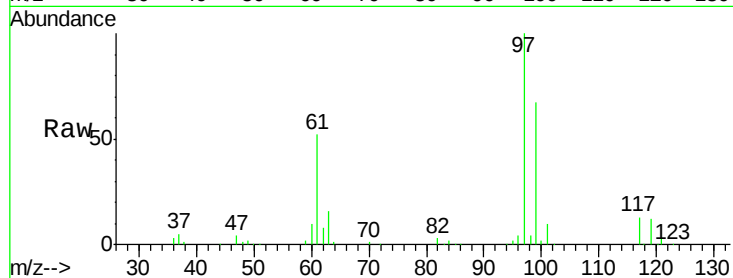




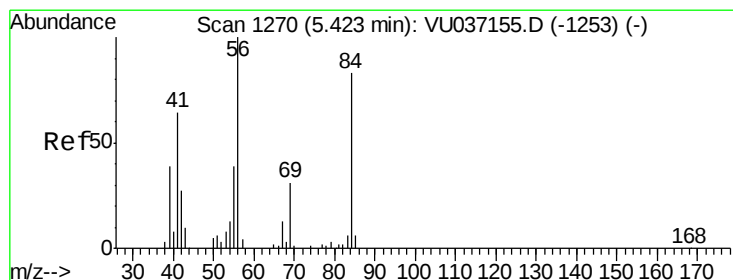
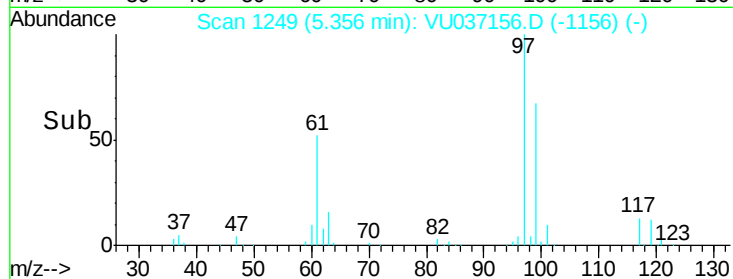
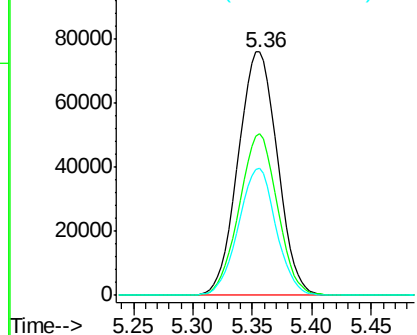
#29
 1,1,1-Trichloroethane
 Concen: 11.443 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037156.D
 Acq: 10 Mar 2020 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Tgt Ion: 97 Resp: 173625
 Ion Ratio Lower Upper
 97 100
 99 64.7 52.4 78.6
 61 49.9 40.6 61.0

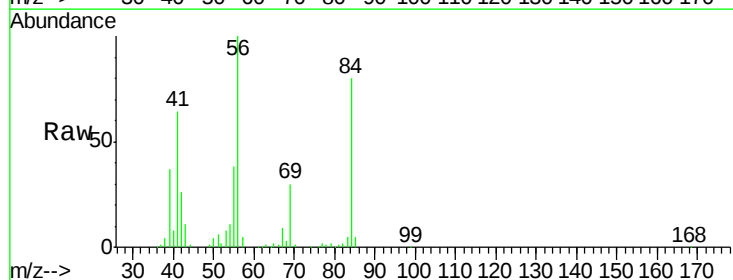


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

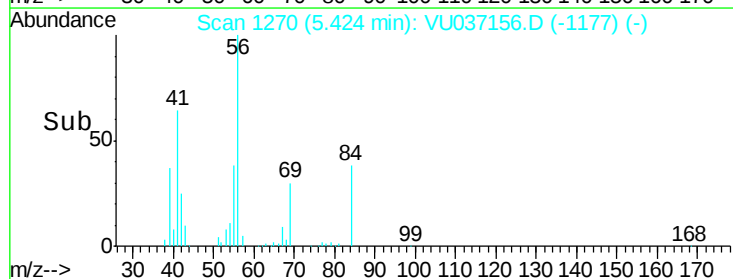
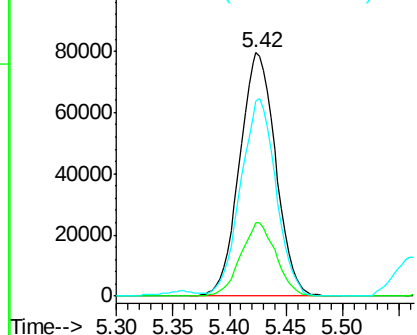


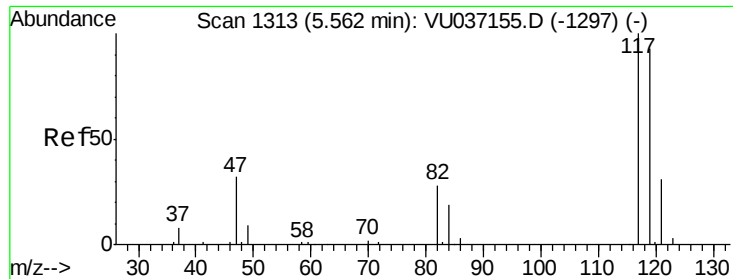
#30
 Cyclohexane
 Concen: 11.113 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU037156.D
 Acq: 10 Mar 2020 17:06

Tgt Ion: 56 Resp: 176121
 Ion Ratio Lower Upper
 56 100
 69 29.5 25.0 37.6
 84 80.1 65.4 98.2



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 12.385 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037156.D

Acq: 10 Mar 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

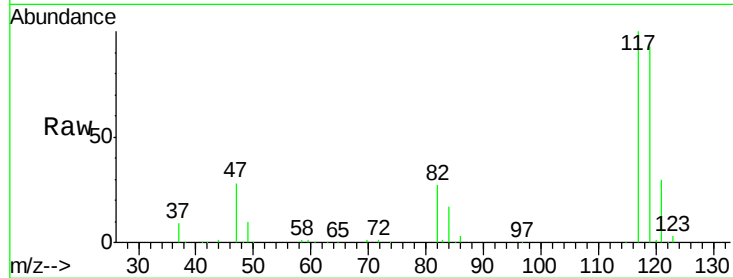
VSTD01002

Tgt Ion:117 Resp: 153786

Ion Ratio Lower Upper

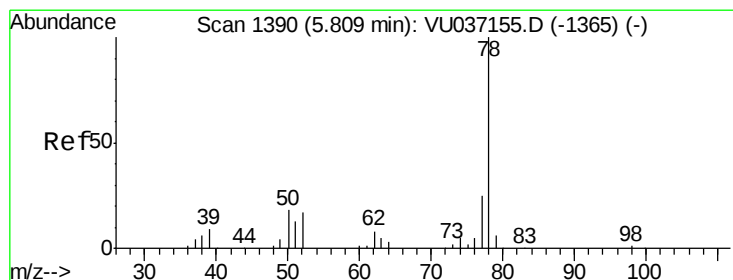
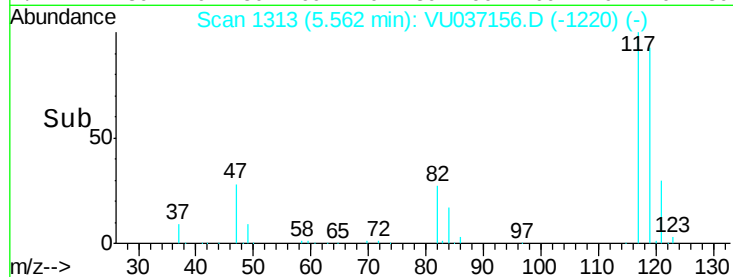
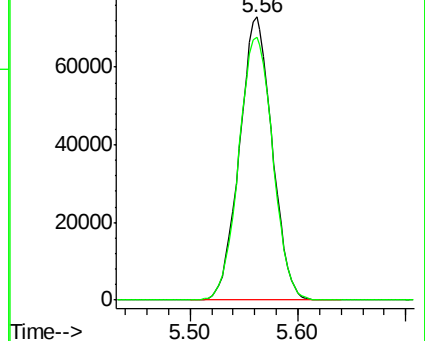
117 100

119 96.7 78.2 117.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.939 ug/L

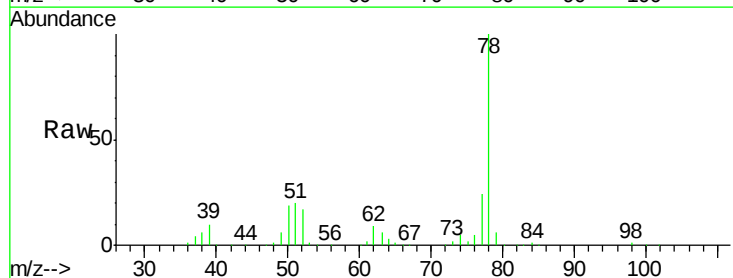
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

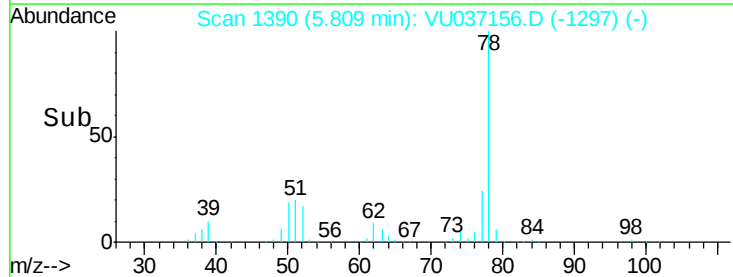
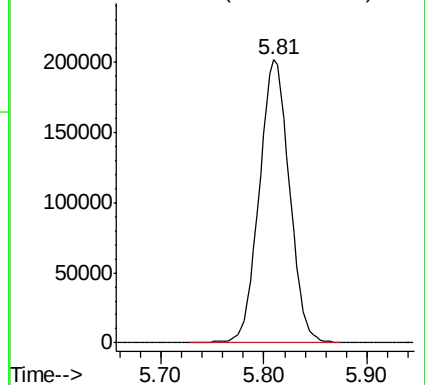
Lab File: VU037156.D

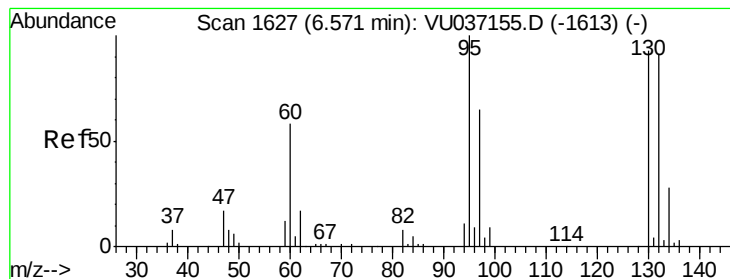
Acq: 10 Mar 2020 17:06

Tgt Ion: 78 Resp: 409112



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 10.138 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037156.D

Acq: 10 Mar 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

Tgt Ion: 95 Resp: 107198

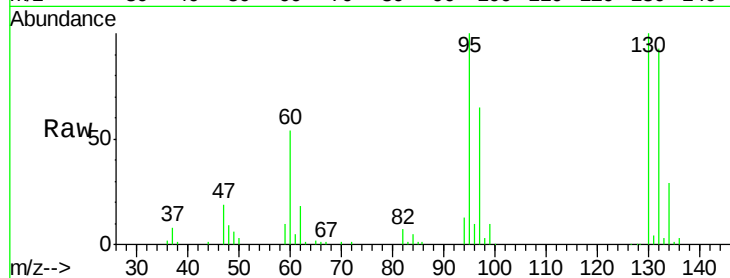
Ion Ratio Lower Upper

95 100

97 65.3 45.4 84.4

132 93.5 63.7 118.3

130 100.1 64.8 120.4

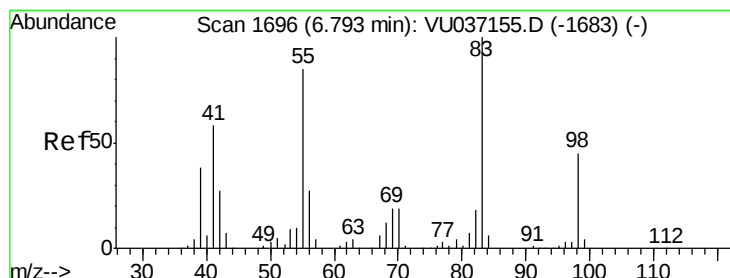
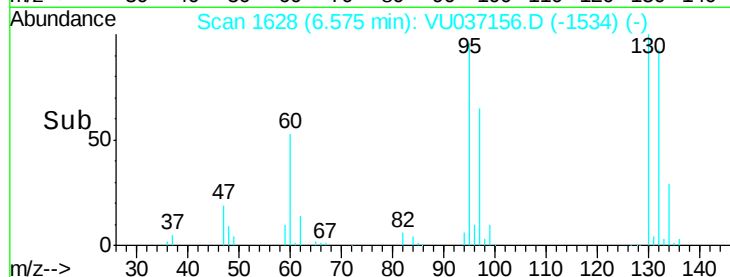
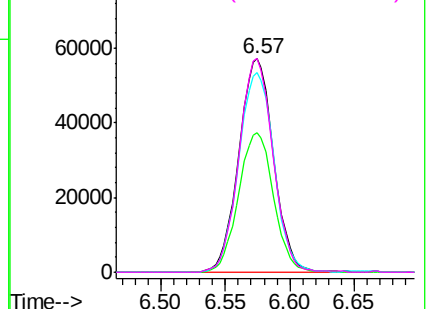


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 10.568 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU037156.D

Acq: 10 Mar 2020 17:06

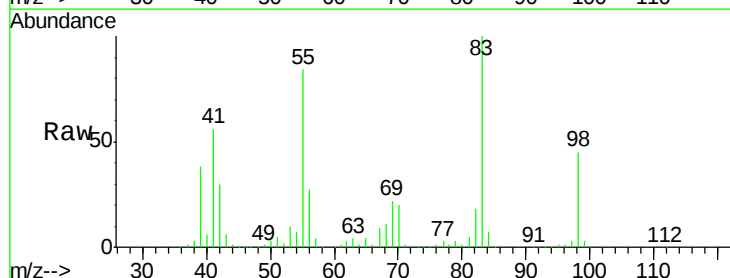
Tgt Ion: 83 Resp: 176085

Ion Ratio Lower Upper

83 100

55 84.1 68.1 102.1

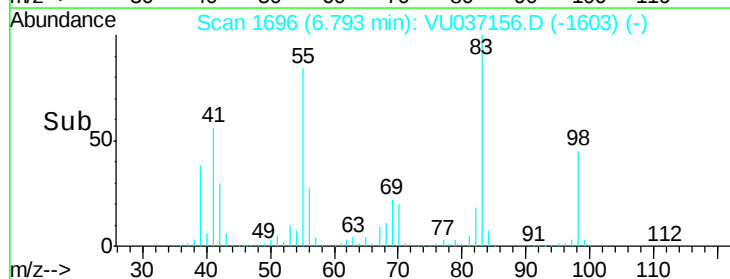
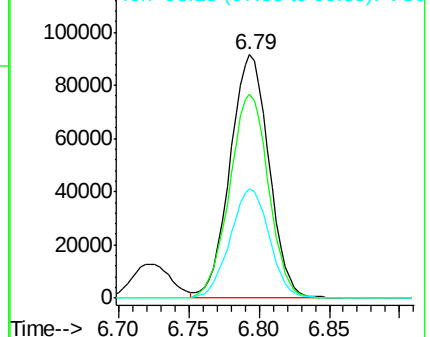
98 45.6 37.0 55.4

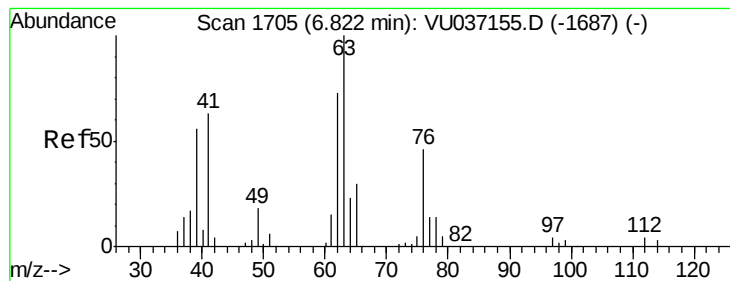


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 9.724 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037156.D

Acq: 10 Mar 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

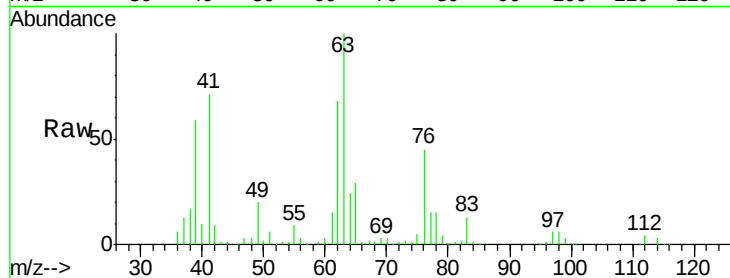
VSTD01002

Tgt Ion: 63 Resp: 108241

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



Abundance Ion 63.10 (62.80 to 63.80): VU037155.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU037155.D (-1687) (-)

6.82

6.82

6.82

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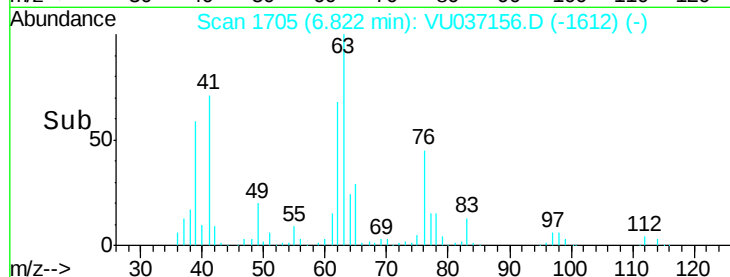
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6.82

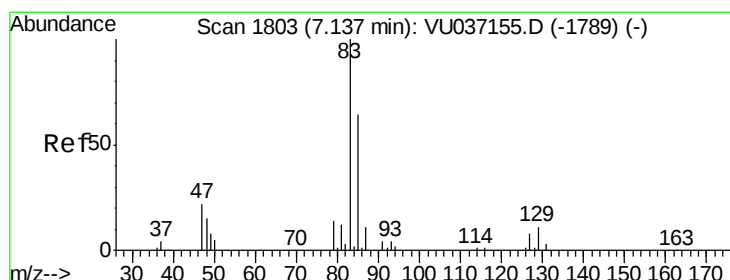
6.82

6.82

6.82



Time-->



#38

Bromodichloromethane

Concen: 10.639 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VU037156.D

Acq: 10 Mar 2020 17:06

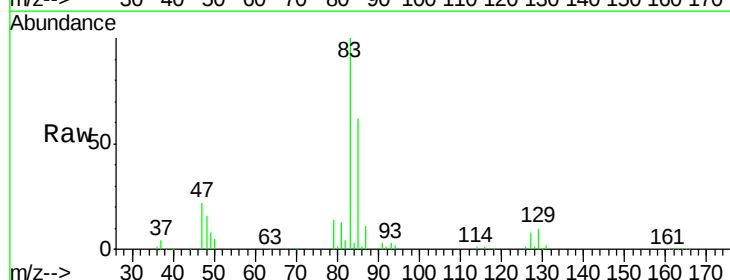
Tgt Ion: 83 Resp: 144076

Ion Ratio Lower Upper

83 100

85 62.4 45.1 83.7

127 8.3 6.7 10.1



Abundance Ion 82.95 (82.65 to 83.65): VU037155.D (-1789) (-)

Ion 85.00 (84.70 to 85.70): VU037155.D (-1789) (-)

Ion 126.90 (126.60 to 127.60): VU037155.D (-1789) (-)

7.14

7.14

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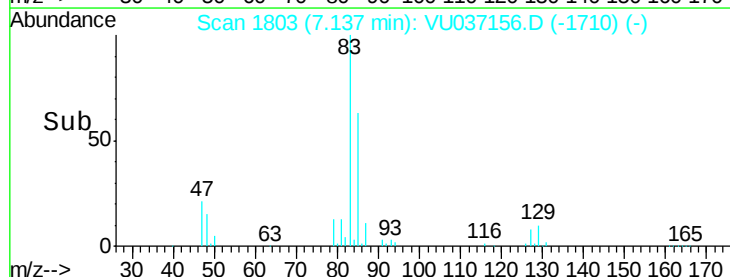
7.14

7.14

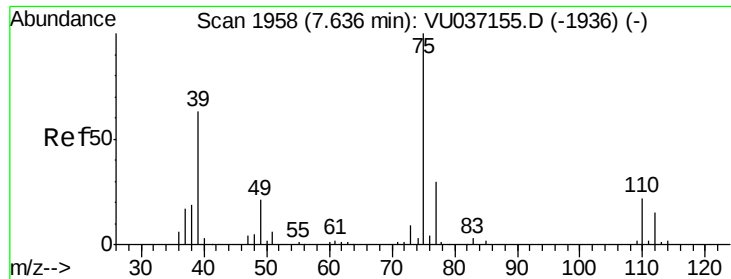
7.14

7.14

7.14



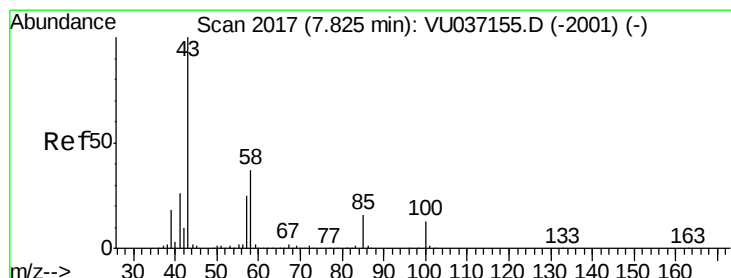
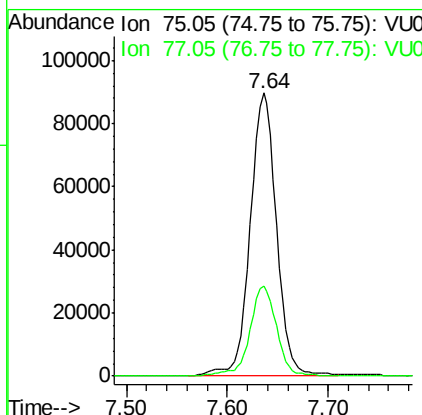
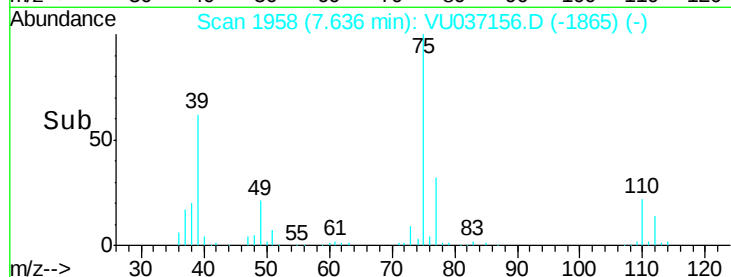
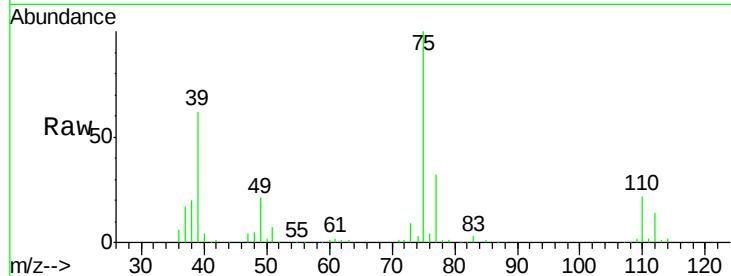
Time-->



#39
 cis-1,3-Dichloropropene
 Concen: 10.094 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037156.D
 Acq: 10 Mar 2020 17:06

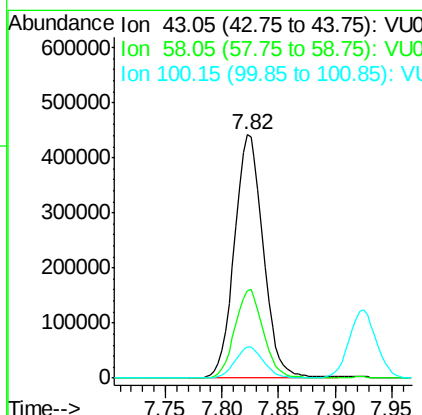
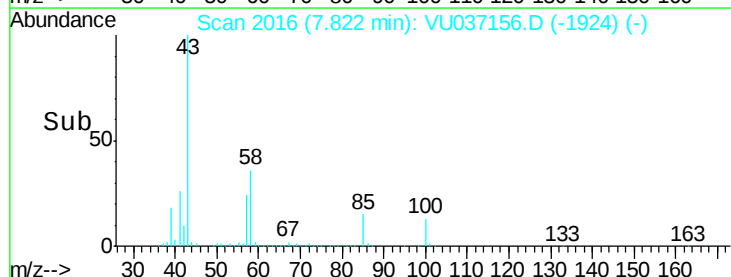
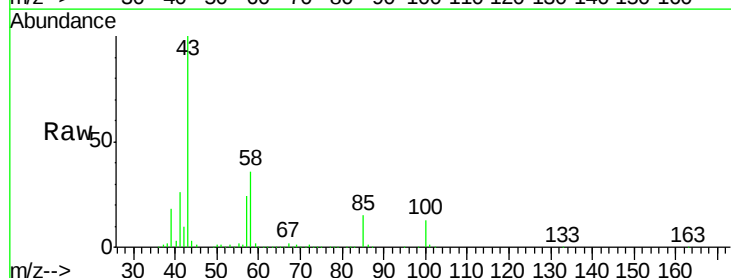
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

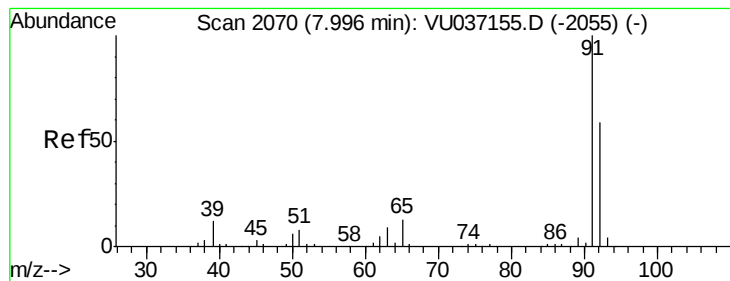
Tgt Ion: 75 Resp: 161652
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 107.779 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VU037156.D
 Acq: 10 Mar 2020 17:06

Tgt Ion: 43 Resp: 785337
 Ion Ratio Lower Upper
 43 100
 58 35.9 28.6 42.8
 100 12.7 10.2 15.2





#42

Toluene

Concen: 10.295 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037156.D

Acq: 10 Mar 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

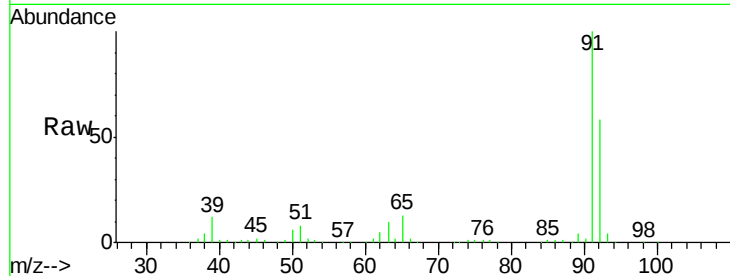
VSTD01002

Tgt Ion: 91 Resp: 456538

Ion Ratio Lower Upper

91 100

92 58.1 41.0 76.2



Abundance Ion 91.15 (90.85 to 91.85): VU037155.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU037155.D (-2055) (-)

8.00

250000

200000

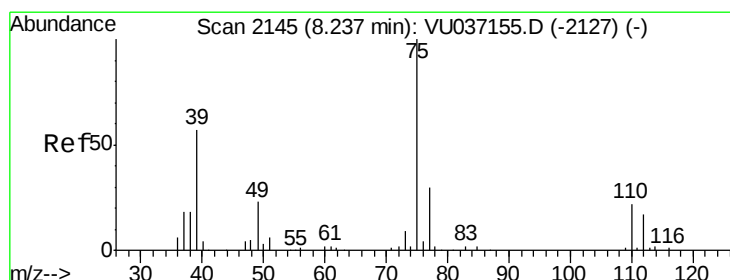
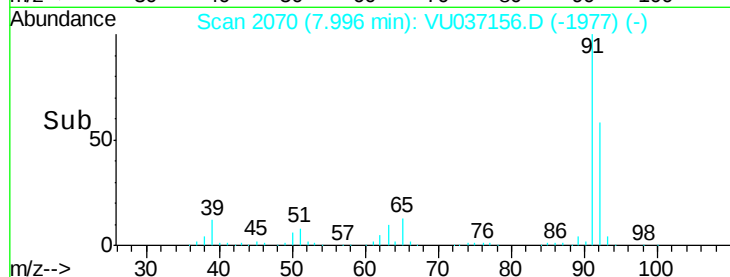
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.770 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037156.D

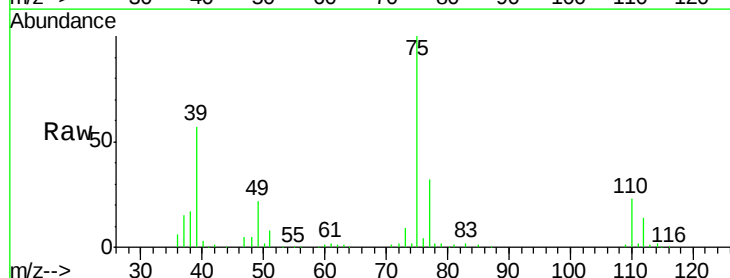
Acq: 10 Mar 2020 17:06

Tgt Ion: 75 Resp: 136764

Ion Ratio Lower Upper

75 100

77 32.1 21.2 39.4



Abundance Ion 75.05 (74.75 to 75.75): VU037155.D (-2127) (-)

Ion 77.05 (76.75 to 77.75): VU037155.D (-2127) (-)

8.24

80000

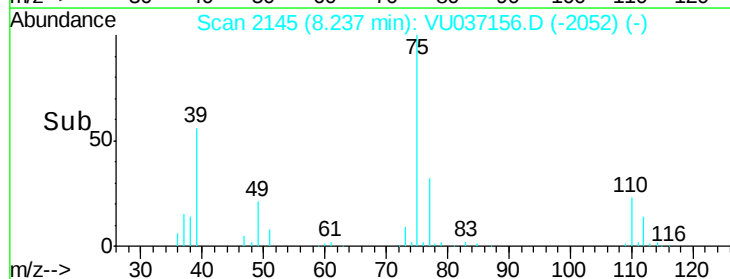
60000

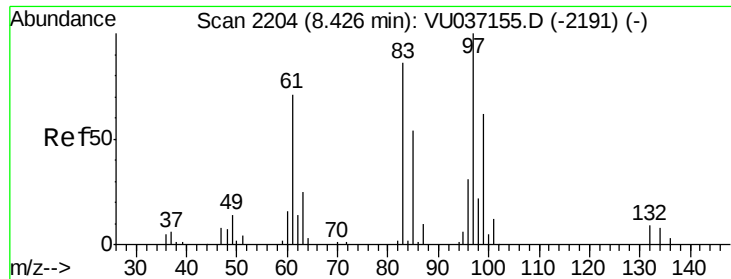
40000

20000

0

Time-->

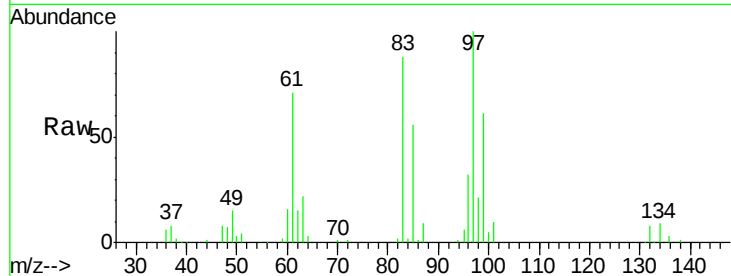




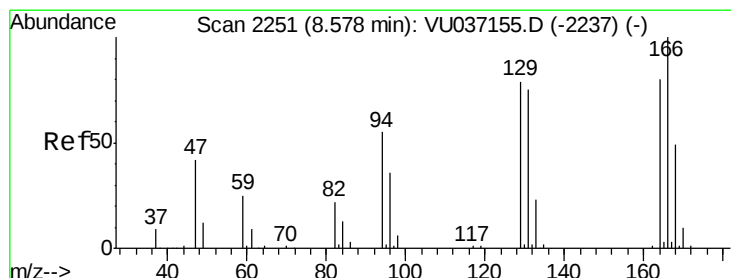
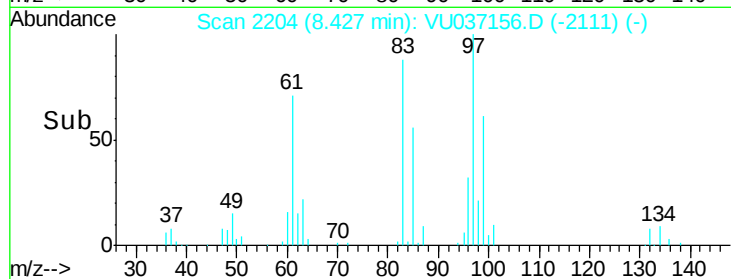
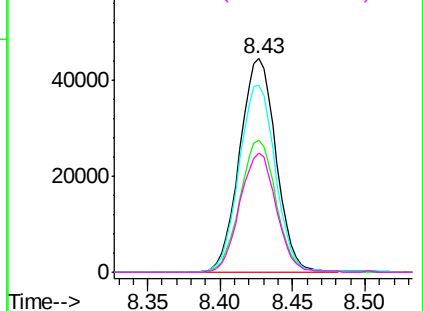
#45
 1,1,2-Trichloroethane
 Concen: 9.966 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU037156.D
 Acq: 10 Mar 2020 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Tgt Ion:	97	Resp:	77680
Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.6	81.0
83	87.6	60.1	111.7
85	55.9	37.8	70.2

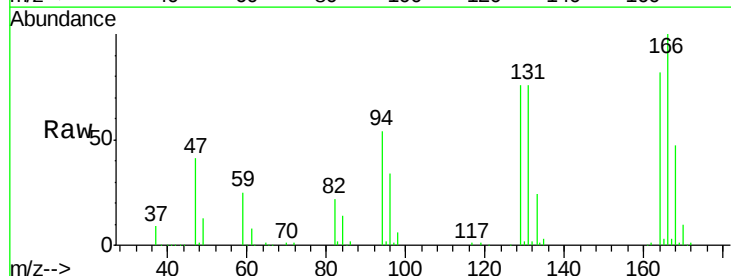


Abundance Ion 96.95 (96.65 to 97.65): VU037156.D (-2111) (-)

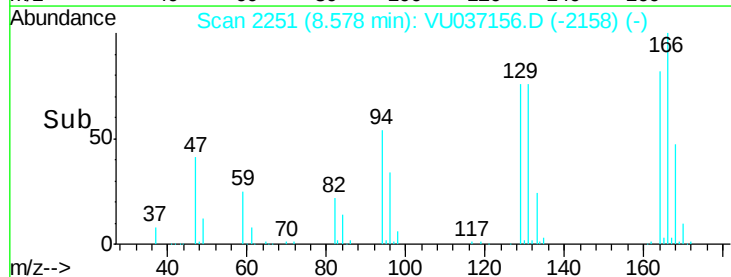
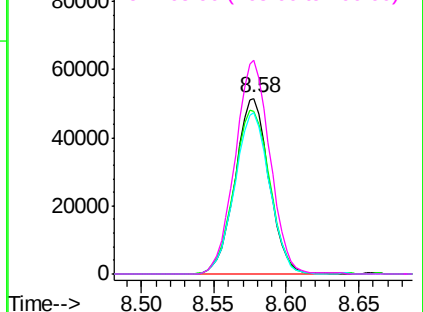


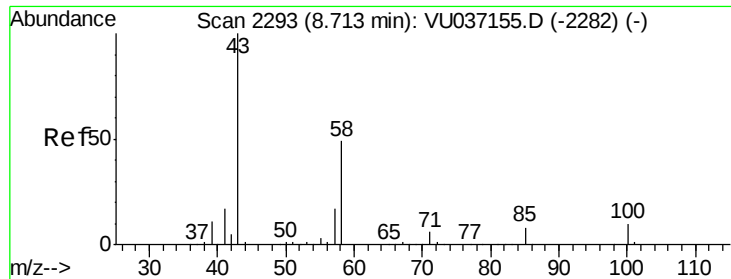
#47
 Tetrachloroethene
 Concen: 11.302 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU037156.D
 Acq: 10 Mar 2020 17:06

Tgt Ion:	164	Resp:	83722
Ion	Ratio	Lower	Upper
164	100		
129	92.6	69.8	129.6
131	92.1	66.1	122.8
166	121.6	88.1	163.5



Abundance Ion 163.90 (163.60 to 164.60): VU037156.D (-2158) (-)

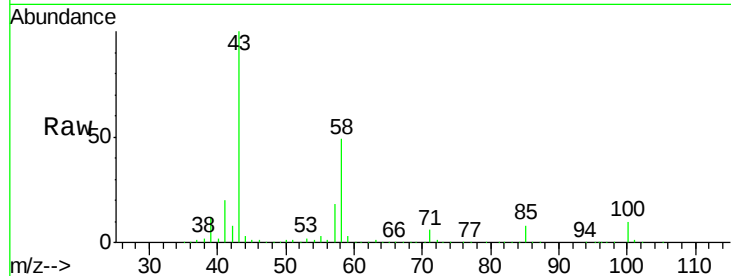




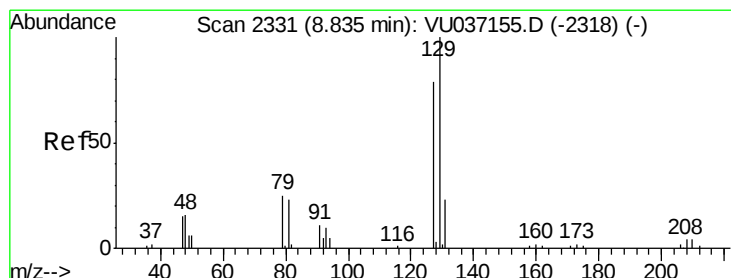
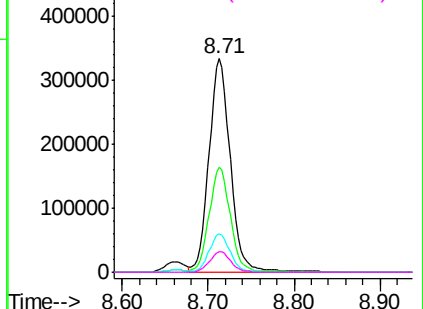
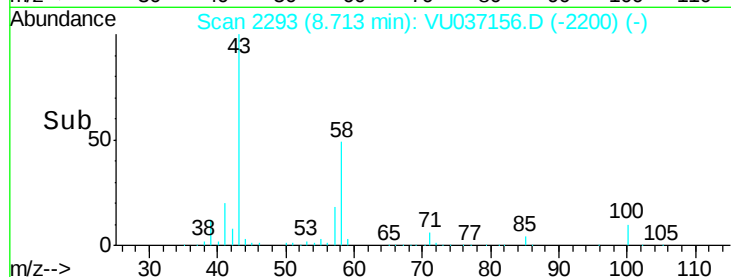
#48
2-Hexanone
Concen: 96.099 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VU037156.D
Acq: 10 Mar 2020 17:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

Tgt Ion:	43	Resp:	580816
Ion	Ratio	Lower	Upper
43	100		
58	48.4	38.6	58.0
57	17.3	13.6	20.4
100	9.6	7.4	11.2

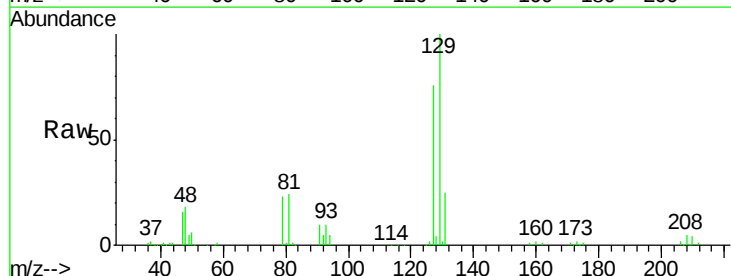


Abundance Ion 43.05 (42.75 to 43.75): VU037156.D (-2200) (-)
Ion 58.05 (57.75 to 58.75): VU037156.D (-2200) (-)
Ion 57.20 (56.90 to 57.90): VU037156.D (-2200) (-)
Ion 100.15 (99.85 to 100.85): VU037156.D (-2200) (-)

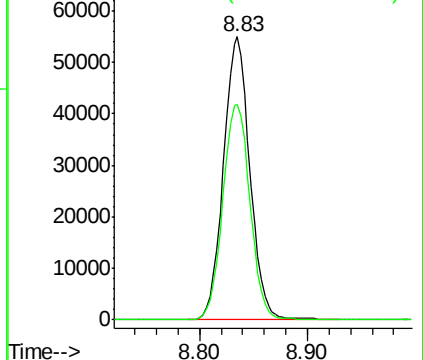
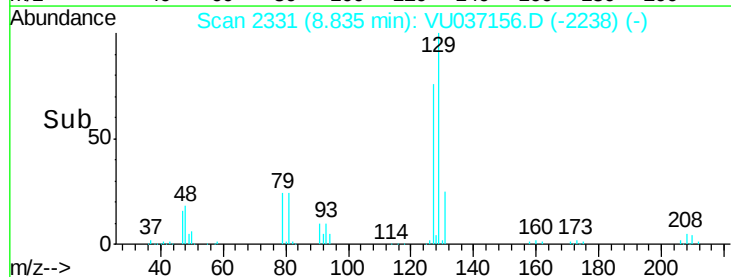


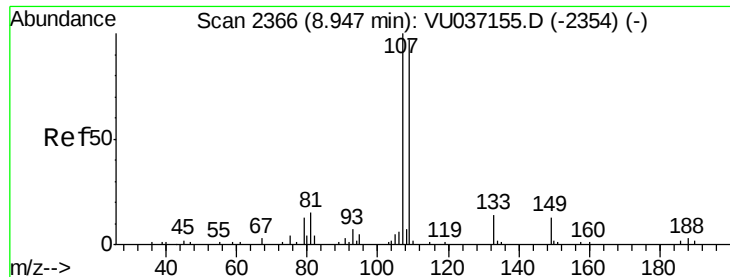
#49
Dibromochloromethane
Concen: 11.261 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037156.D
Acq: 10 Mar 2020 17:06

Tgt Ion:	129	Resp:	93662
Ion	Ratio	Lower	Upper
129	100		
127	76.1	54.9	102.1



Abundance Ion 128.95 (128.65 to 129.65): VU037156.D (-2238) (-)
Ion 126.90 (126.60 to 127.60): VU037156.D (-2238) (-)

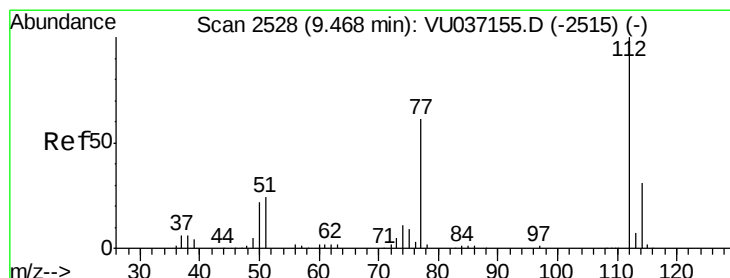
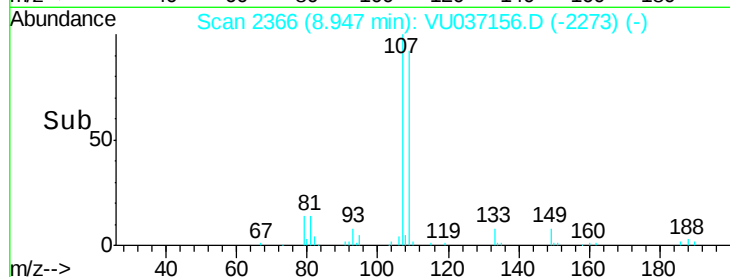
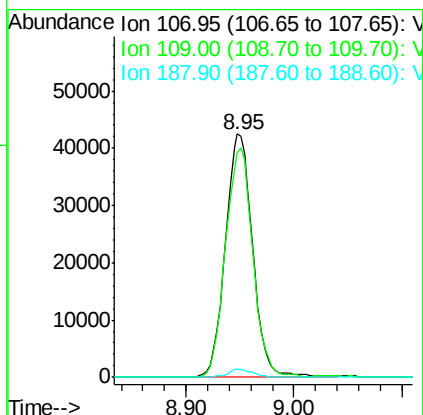
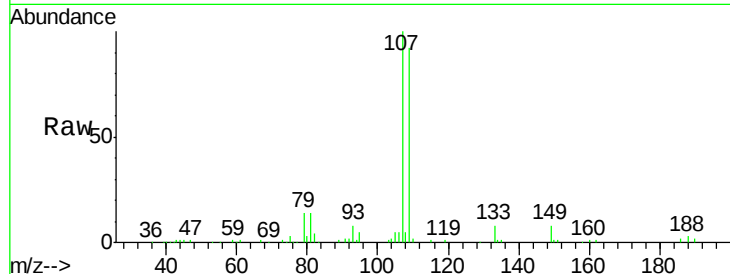




#50
1,2-Dibromoethane
Concen: 10.484 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU037156.D
Acq: 10 Mar 2020 17:06

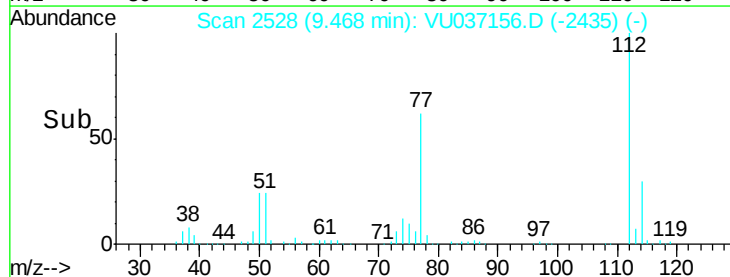
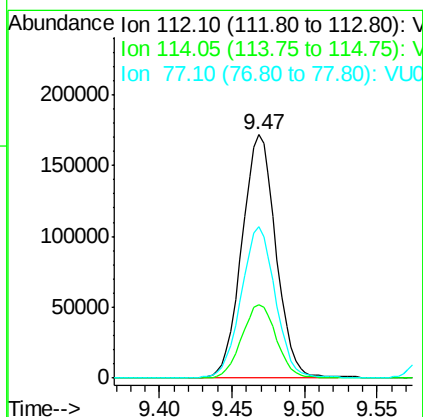
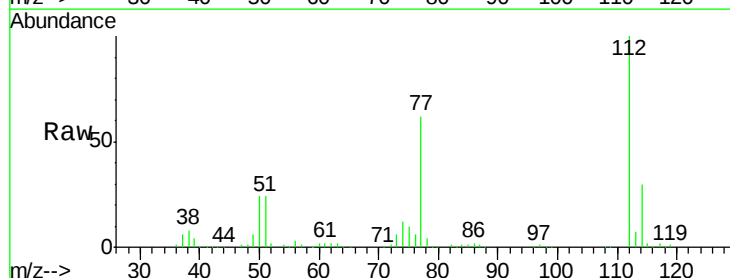
Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

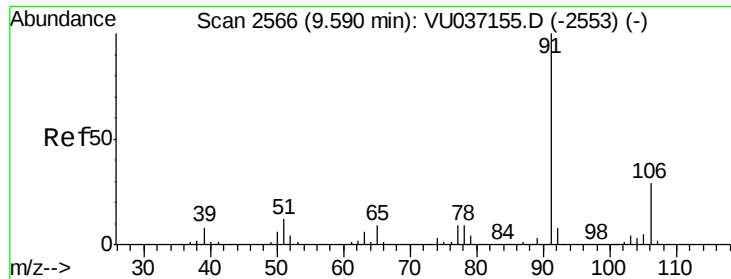
Tgt Ion:107 Resp: 74875
Ion Ratio Lower Upper
107 100
109 92.4 68.2 126.6
188 3.4 2.0 3.0#



#51
Chlorobenzene
Concen: 10.268 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU037156.D
Acq: 10 Mar 2020 17:06

Tgt Ion:112 Resp: 280768
Ion Ratio Lower Upper
112 100
114 30.3 22.0 40.8
77 62.0 49.4 74.2

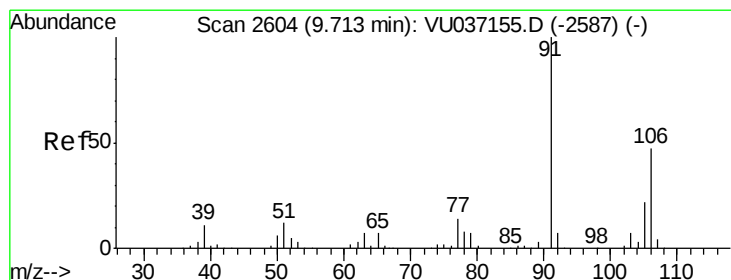
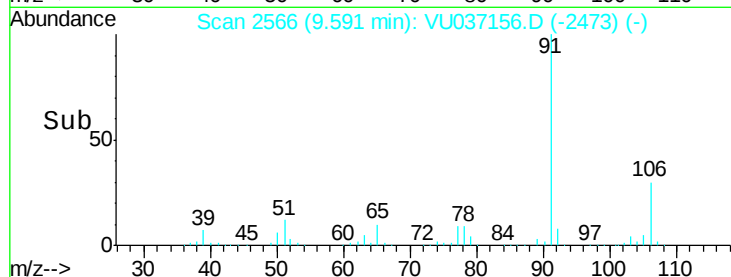
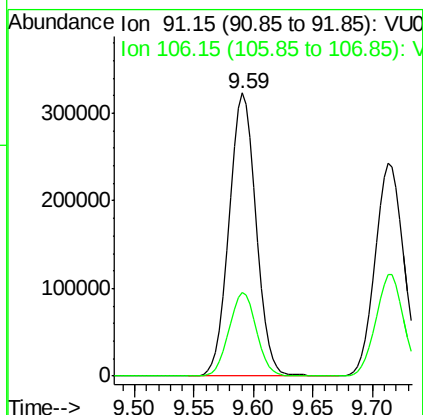
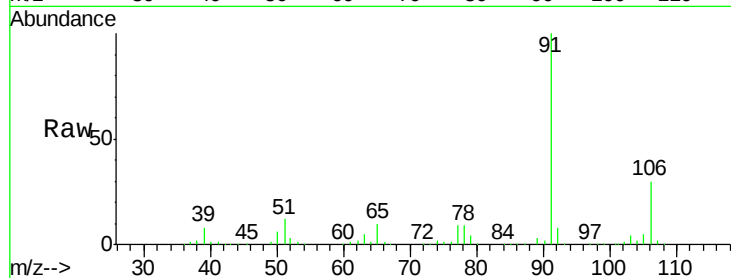




#52
Ethylbenzene
Concen: 10.293 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU037156.D
Acq: 10 Mar 2020 17:06

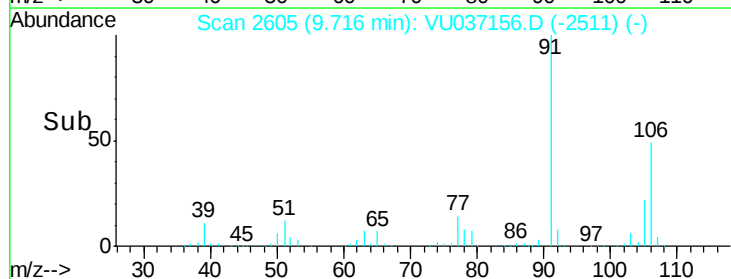
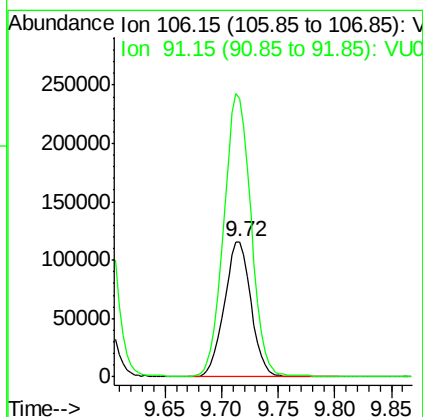
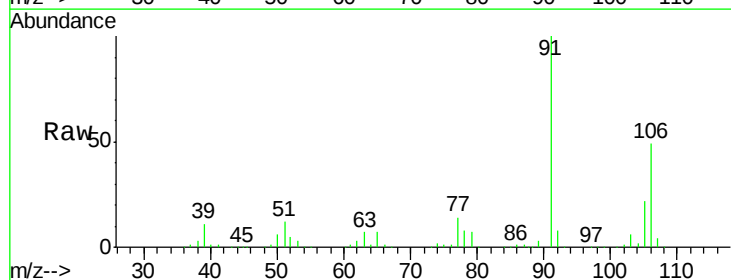
Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

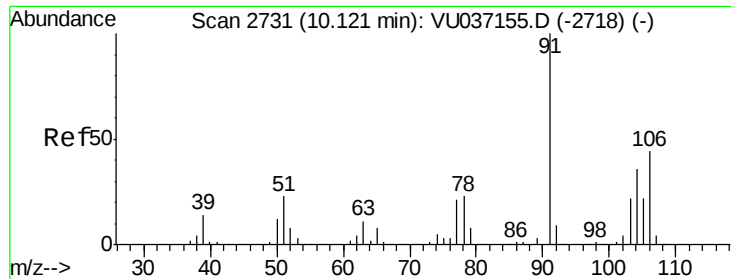
Tgt Ion: 91 Resp: 508438
Ion Ratio Lower Upper
91 100
106 29.5 20.4 37.8



#53
m,p-Xylene
Concen: 10.515 ug/L
RT: 9.72 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VU037156.D
Acq: 10 Mar 2020 17:06

Tgt Ion: 106 Resp: 190525
Ion Ratio Lower Upper
106 100
91 206.1 150.4 279.4

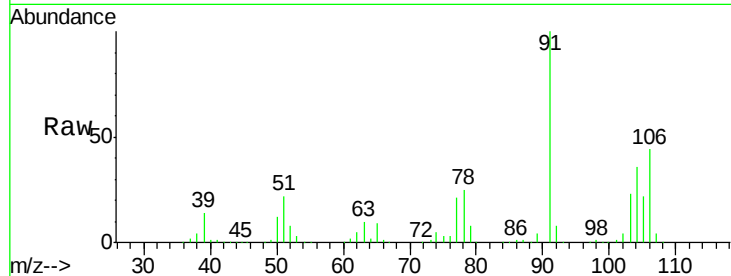




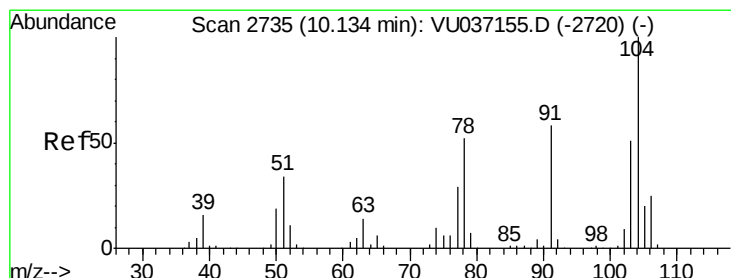
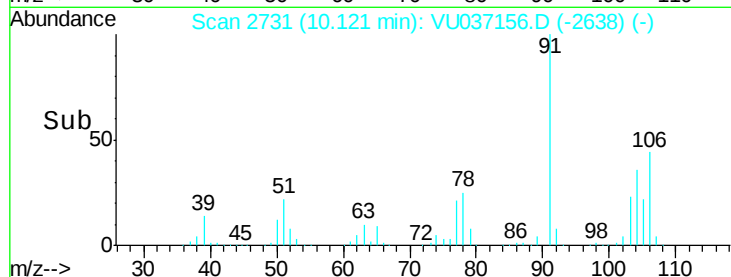
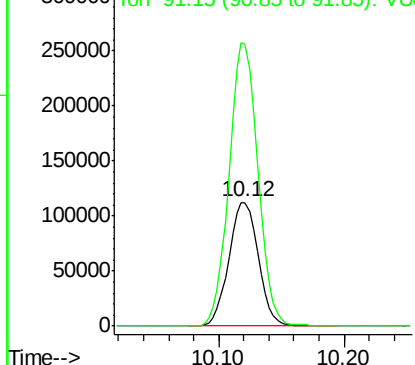
#54
o-Xylene
Concen: 10.423 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU037156.D
Acq: 10 Mar 2020 17:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

Tgt Ion:106 Resp: 183917
Ion Ratio Lower Upper
106 100
91 228.3 160.6 298.2

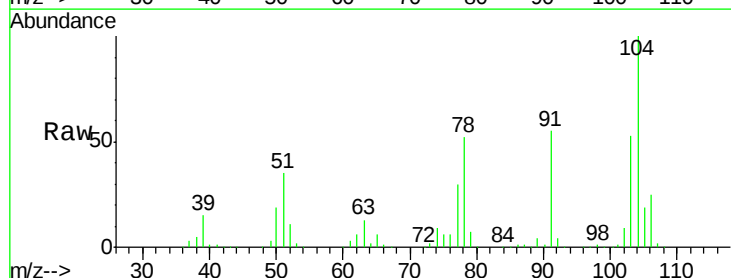


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

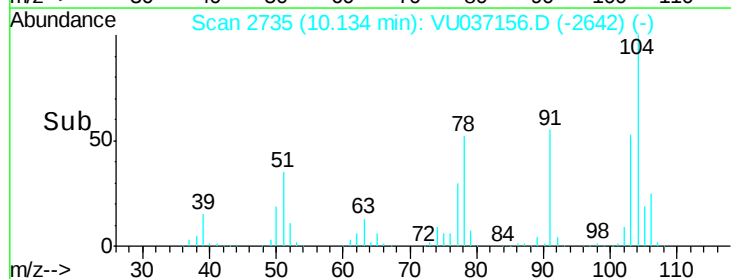
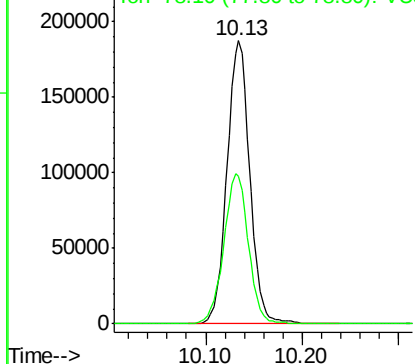


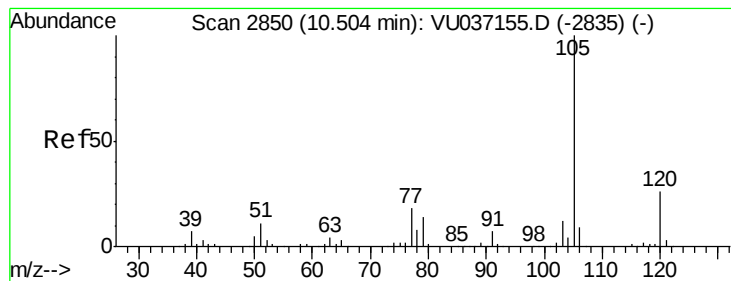
#55
Styrene
Concen: 10.297 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037156.D
Acq: 10 Mar 2020 17:06

Tgt Ion:104 Resp: 306763
Ion Ratio Lower Upper
104 100
78 52.4 36.2 67.2



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





#56

Isopropylbenzene

Concen: 10.543 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037156.D

Acq: 10 Mar 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

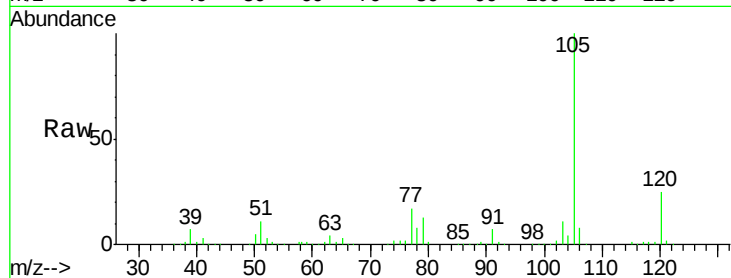
Tgt Ion: 105 Resp: 500488

Ion Ratio Lower Upper

105 100

120 25.1 20.5 30.7

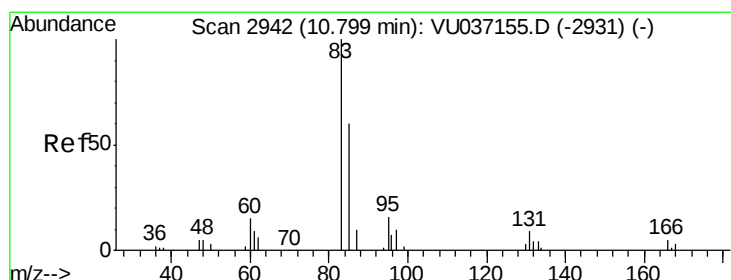
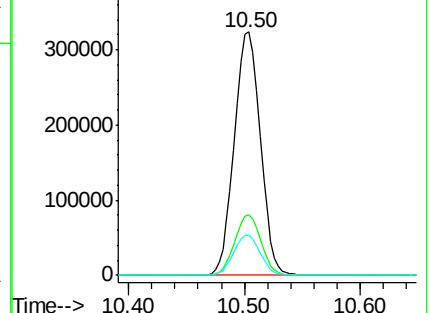
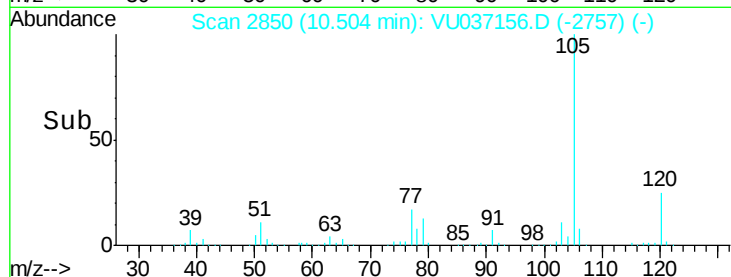
77 17.0 14.2 21.4



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: 9.598 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU037156.D

Acq: 10 Mar 2020 17:06

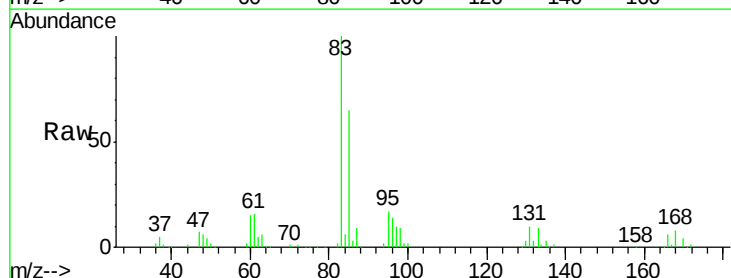
Tgt Ion: 83 Resp: 97216

Ion Ratio Lower Upper

83 100

85 64.5 43.0 80.0

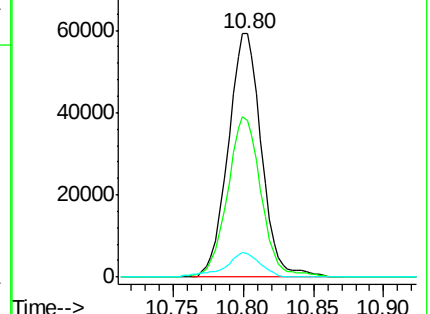
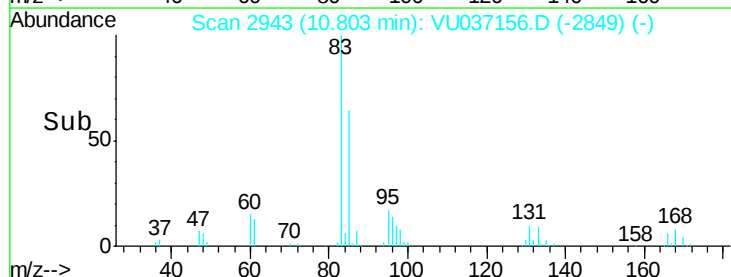
131 9.7 8.2 12.2

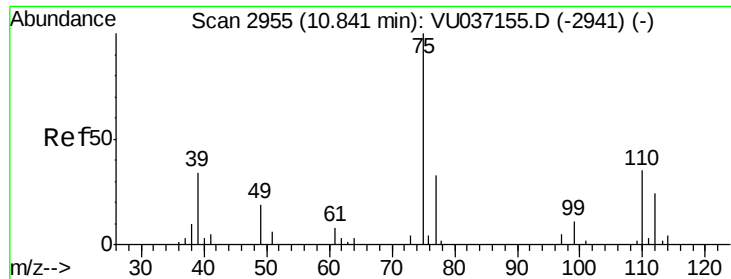


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.710 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037156.D

Acq: 10 Mar 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

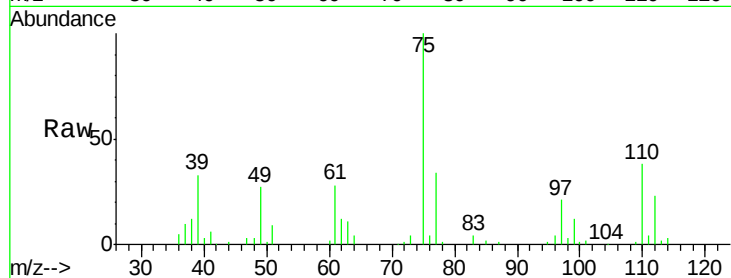
VSTD01002

Tgt Ion: 75 Resp: 71991

Ion Ratio Lower Upper

75 100

77 33.2 27.4 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU037155.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU037155.D (-2941) (-)

10.84

50000

40000

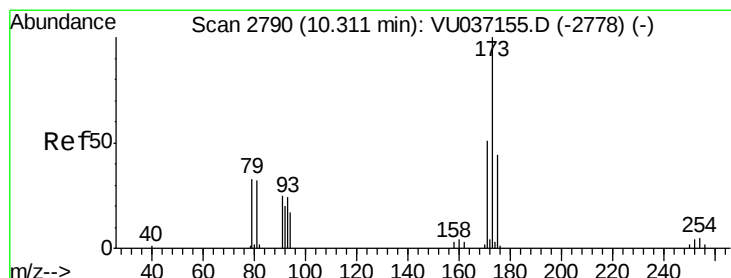
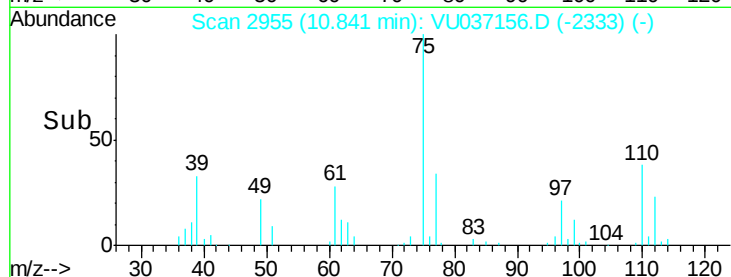
30000

20000

10000

0

Time--> 10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 10.972 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037156.D

Acq: 10 Mar 2020 17:06

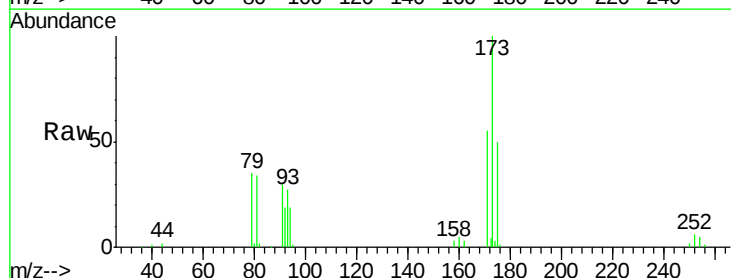
Tgt Ion: 173 Resp: 51428

Ion Ratio Lower Upper

173 100

175 49.1 37.4 56.2

254 4.8 3.5 5.3



Abundance Ion 172.90 (172.60 to 173.60): VU037155.D (-2778) (-)

Ion 174.90 (174.60 to 175.60): VU037155.D (-2778) (-)

Ion 253.75 (253.45 to 254.45): VU037155.D (-2778) (-)

10.31

40000

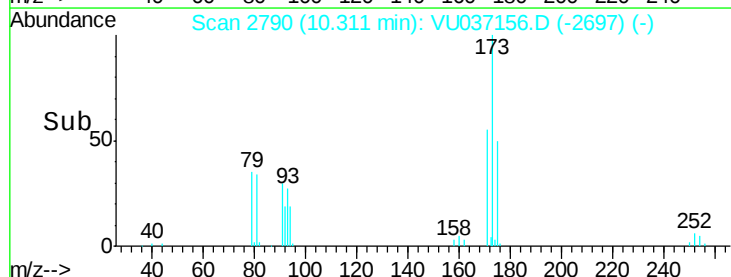
30000

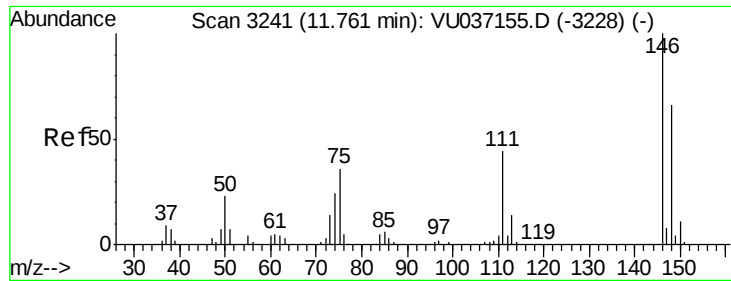
20000

10000

0

Time--> 10.30 10.40

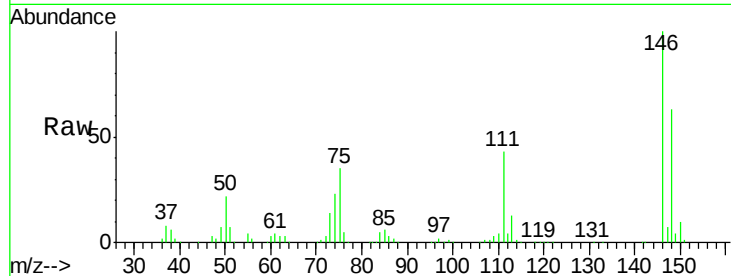




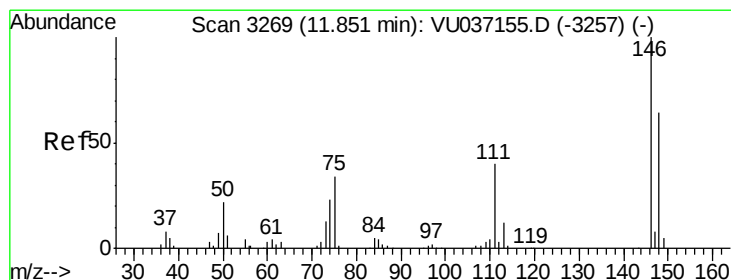
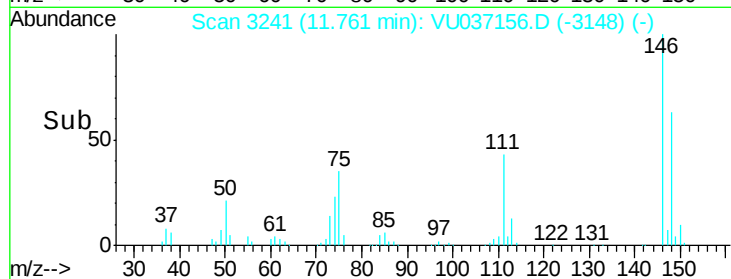
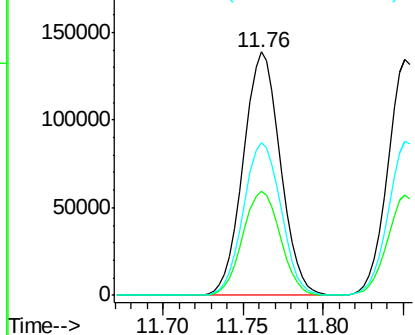
#62
 1,3-Dichlorobenzene
 Concen: 9.638 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037156.D
 Acq: 10 Mar 2020 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Tgt Ion:146 Resp: 219562
 Ion Ratio Lower Upper
 146 100
 111 42.6 30.6 56.8
 148 62.7 46.2 85.8

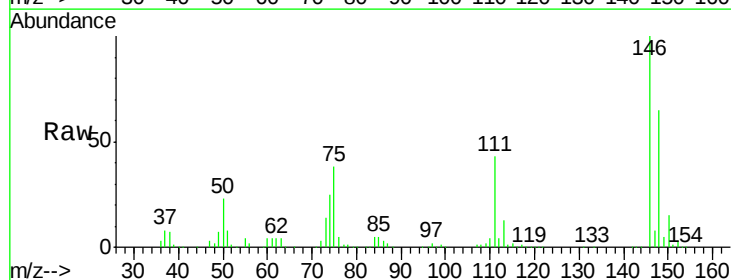


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

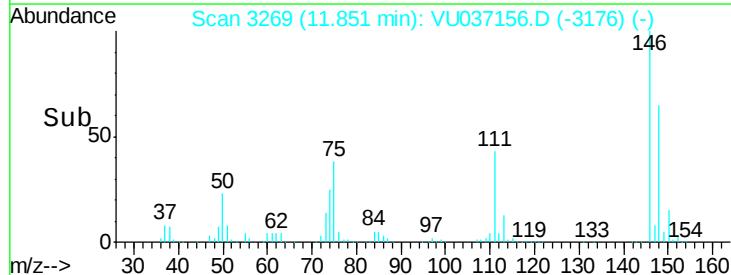
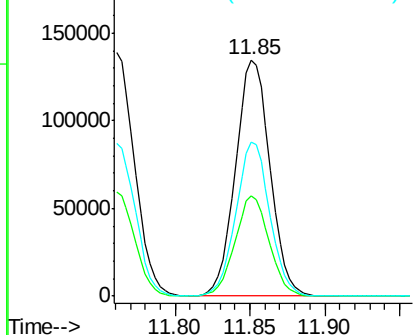


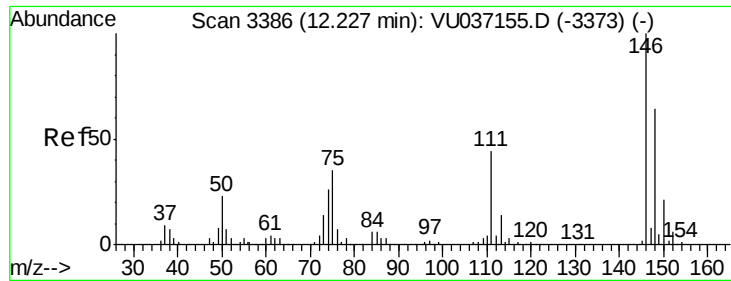
#63
 1,4-Dichlorobenzene
 Concen: 9.631 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037156.D
 Acq: 10 Mar 2020 17:06

Tgt Ion:146 Resp: 216330
 Ion Ratio Lower Upper
 146 100
 111 42.6 28.4 52.8
 148 65.2 44.9 83.5



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: 9.582 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037156.D

Acq: 10 Mar 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

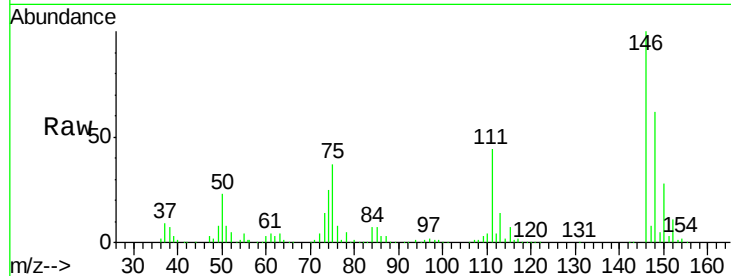
Tgt Ion:146 Resp: 209125

Ion Ratio Lower Upper

146 100

111 44.1 35.5 53.3

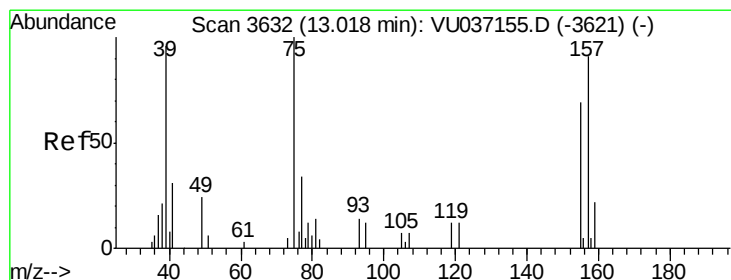
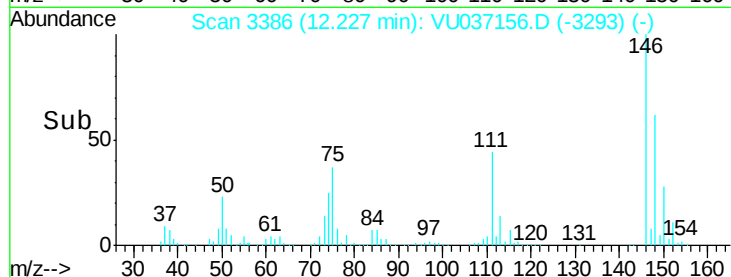
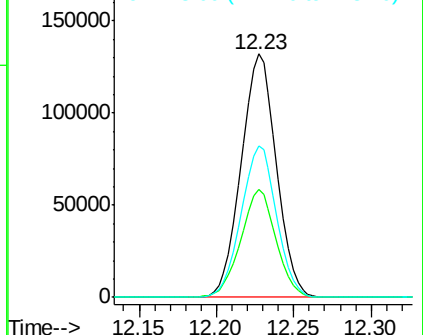
148 62.2 51.4 77.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 10.481 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU037156.D

Acq: 10 Mar 2020 17:06

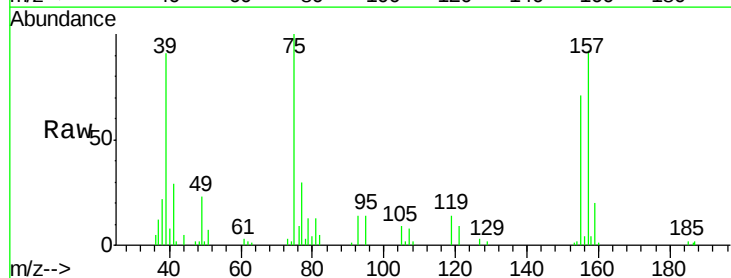
Tgt Ion: 75 Resp: 16986

Ion Ratio Lower Upper

75 100

155 70.7 55.5 83.3

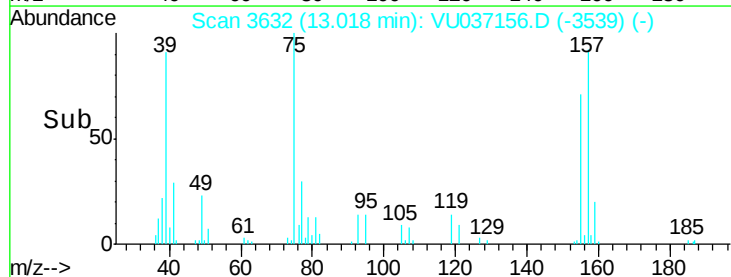
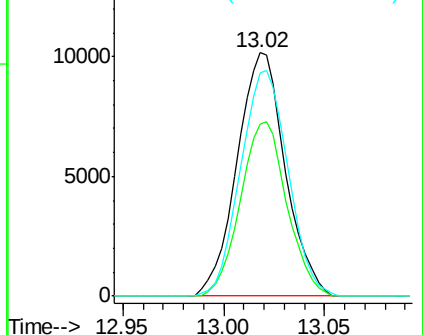
157 91.7 73.1 109.7

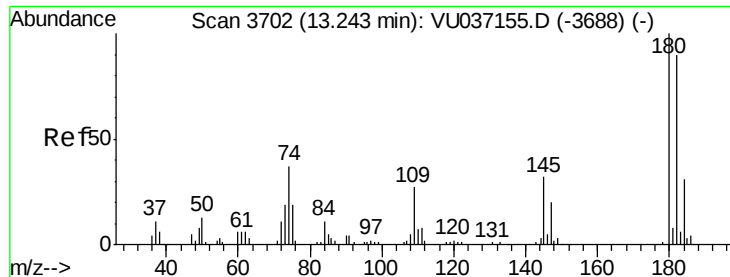


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

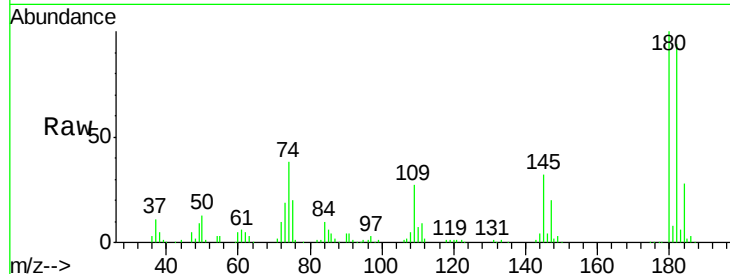




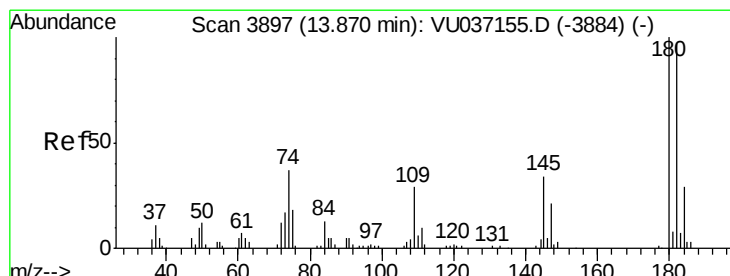
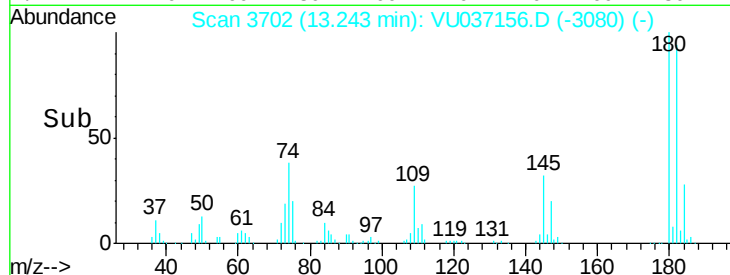
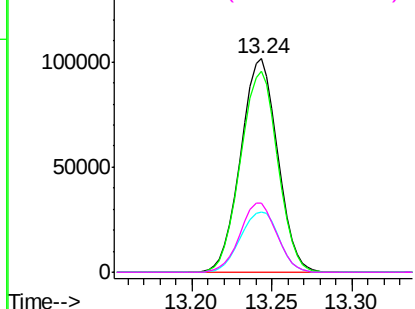
#67
 1,3,5-Trichlorobenzene
 Concen: 10.022 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU037156.D
 Acq: 10 Mar 2020 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Tgt Ion:180 Resp: 159348
 Ion Ratio Lower Upper
 180 100
 182 94.6 73.6 110.4
 184 29.5 24.1 36.1
 145 32.1 26.3 39.5

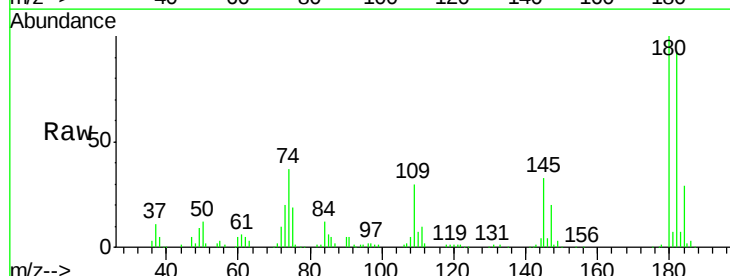


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

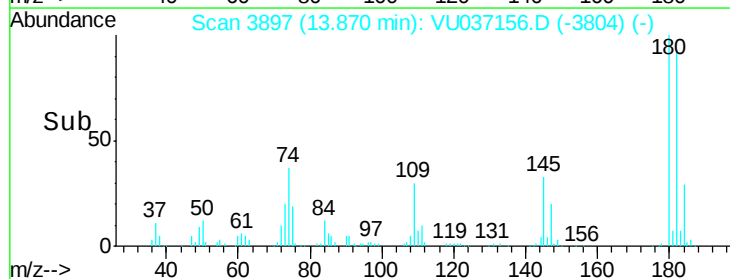
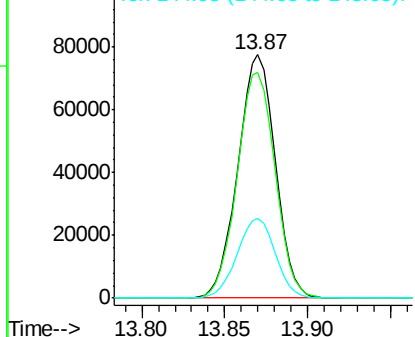


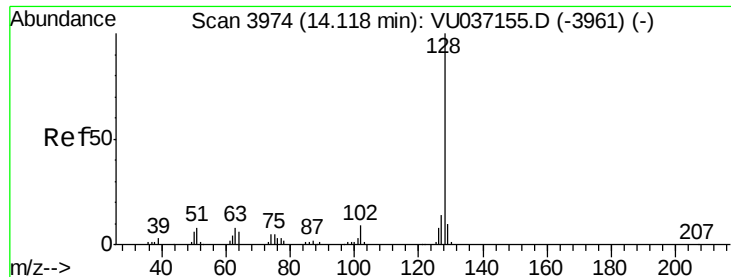
#68
 1,2,4-trichlorobenzene
 Concen: 10.412 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU037156.D
 Acq: 10 Mar 2020 17:06

Tgt Ion:180 Resp: 121858
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.7 115.1
 145 33.3 26.6 39.8



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: 9.658 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU037156.D

Acq: 10 Mar 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

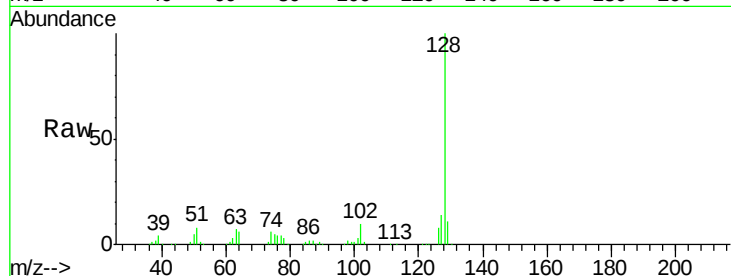
Tgt Ion:128 Resp: 195324

Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

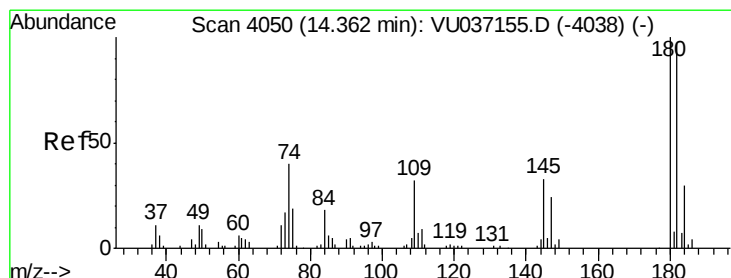
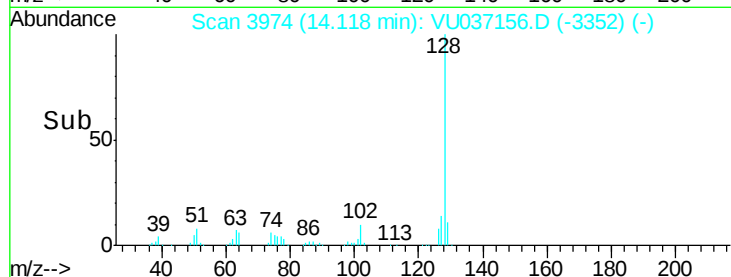
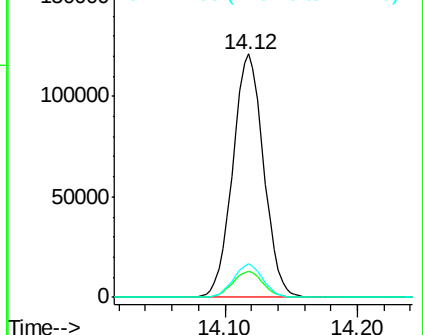
127 13.2 10.6 16.0



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: 10.718 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037156.D

Acq: 10 Mar 2020 17:06

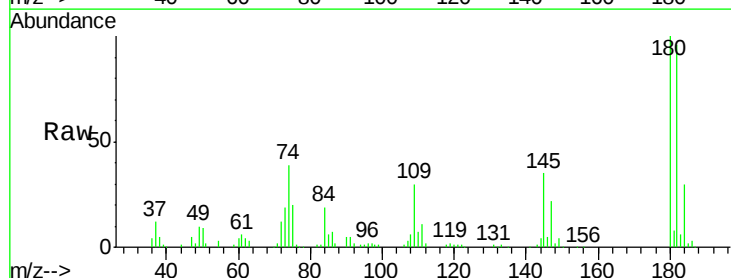
Tgt Ion:180 Resp: 113426

Ion Ratio Lower Upper

180 100

182 95.8 77.0 115.6

145 34.5 28.2 42.4



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

