

Data File : VY000660.D
Acq On : 12 Nov 2019 17:31
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02588

Quant Time: Nov 13 03:10:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 03:04:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	368662	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	335057	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	163831	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	127204	24.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.72%
7) Chloroethane-d5	2.77	69	113134	24.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.80%
10) 1,1-Dichloroethene-d2	3.86	63	229540	23.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.48%
20) 2-Butanone-d5	6.97	46	691	0.32	ug/L	0.07
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.64%#
24) Chloroform-d	7.49	84	230203	23.80	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	8.15	65	129018	23.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.00%
29) Benzene-d6	8.12	84	472225	24.27	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.08%
33) 1,2-Dichloropropane-d6	9.13	67	143897	23.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.40%
37) Toluene-d8	10.18	98	426990	23.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.96%
38) trans-1,3-Dichloropropene-	10.44	79	66402	23.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.36%
39) 2-Hexanone-d5	10.79	63	73503	44.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.20%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	134500	22.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.68%
61) 1,2-Dichlorobenzene-d4	13.72	152	149726	22.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	116374	23.887	ug/L	100
3) Chloromethane	2.12	50	148203	24.268	ug/L	96
5) Vinyl chloride	2.26	62	149490	24.527	ug/L	100
6) Bromomethane	2.66	94	84462	25.377	ug/L	98
8) Chloroethane	2.80	64	94095	24.620	ug/L	97
9) Trichlorofluoromethane	3.13	101	220204	25.509	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	3.90	101	128217	26.185	ug/L	98
12) 1,1-Dichloroethene	3.88	96	119944	25.095	ug/L	89
13) Acetone	3.95	43	60437	38.451	ug/L	100
14) Carbon disulfide	4.20	76	382525	25.938	ug/L	99
15) Methyl Acetate	4.48	43	77219	21.445	ug/L #	76
16) Methylene chloride	4.72	84	137993	22.675	ug/L	97
17) Methyl tert-butyl Ether	5.23	73	345199	23.738	ug/L	100
18) trans-1,2-Dichloroethene	5.23	96	134593	25.215	ug/L	98
19) 1,1-Dichloroethane	6.02	63	237235	25.254	ug/L	95
21) 2-Butanone	6.99	43	110321	39.841	ug/L	99
22) cis-1,2-Dichloroethene	7.00	96	147138	24.921	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	62333	24.178	ug/L	91
25) Chloroform	7.52	83	250866	24.777	ug/L	99
27) 1,2-Dichloroethane	8.24	62	165833	24.501	ug/L	99
30) Cyclohexane	7.79	56	227040	24.832	ug/L	96
31) 1,1,1-Trichloroethane	7.71	97	211082	25.572	ug/L	99
32) Carbon tetrachloride	7.91	117	191198	26.575	ug/L	99
34) Benzene	8.17	78	551831	25.191	ug/L	100
35) Trichloroethene	8.94	95	145502	25.332	ug/L	97
36) Methylcyclohexane	9.19	83	247423	25.168	ug/L	99
40) 1,2-Dichloropropane	9.22	63	138139	24.884	ug/L	100
41) Bromodichloromethane	9.50	83	182314	25.524	ug/L	98
42) cis-1,3-Dichloropropene	9.93	75	228381	25.537	ug/L	97
43) 4-Methyl-2-pentanone	10.07	43	235057	44.273	ug/L	99
44) Toluene	10.25	91	601292	25.392	ug/L	97
45) trans-1,3-Dichloropropene	10.47	75	191729	24.955	ug/L	91
46) 1,1,2-Trichloroethane	10.65	97	109291	24.002	ug/L	97
47) Tetrachloroethene	10.72	164	112362	26.198	ug/L	97
49) 2-Hexanone	10.83	43	181545	43.902	ug/L	99
50) Dibromochloromethane	10.99	129	127776	24.836	ug/L	97
51) 1,2-Dibromoethane	11.09	107	109364	24.681	ug/L	99
52) Chlorobenzene	11.52	112	378169	25.164	ug/L	100
53) Ethylbenzene	11.60	91	680610	25.405	ug/L	97
54) m,p-Xylene	11.70	106	259794	25.624	ug/L	97
55) o-xylene	12.03	106	247761	24.897	ug/L	93
56) Styrene	12.05	104	427543	25.858	ug/L	95
57) Isopropylbenzene	12.33	105	676401	26.125	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.58	83	138168	24.320	ug/L	99
59) 1,2,3-Trichloropropane	12.64	75	106579	23.070	ug/L	99
62) Bromoform	12.21	173	76067	24.446	ug/L	99
63) 1,3-Dichlorobenzene	13.37	146	290164	24.832	ug/L	97
64) 1,4-Dichlorobenzene	13.45	146	293162	25.098	ug/L	98
65) 1,2-Dichlorobenzene	13.74	146	271625	25.098	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.36	75	22573	21.952	ug/L	99
67) 1,3,5-Trichlorobenzene	14.50	180	209451	25.709	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	179846	24.701	ug/L	98
69) Naphthalene	15.23	128	417868	23.030	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	163435	24.141	ug/L	99

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

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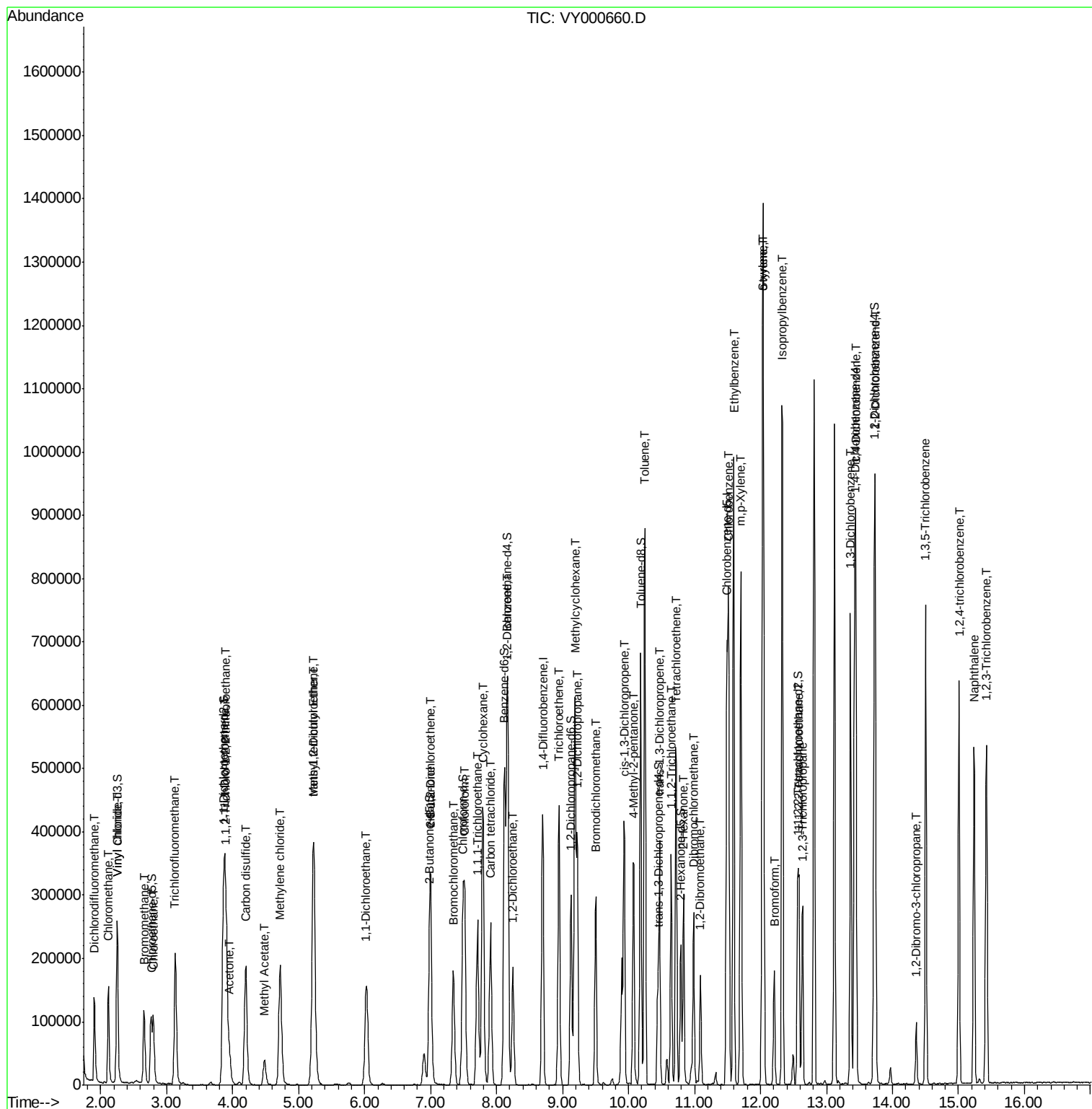
Quant Time: Nov 13 03:10:18 2019

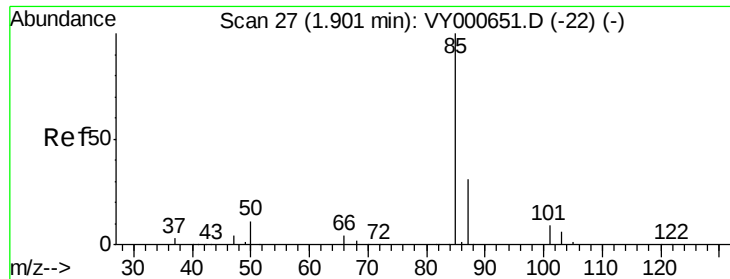
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_Y\METHODS\S0M2YLM111219S.M

Quant Title : VOC Analysis

QLast Update : Wed Nov 13 03:04:36 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 23.887 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000660.D

Acq: 12 Nov 2019 17:31

Instrument :

MSVOA_Y

ClientSampleId :

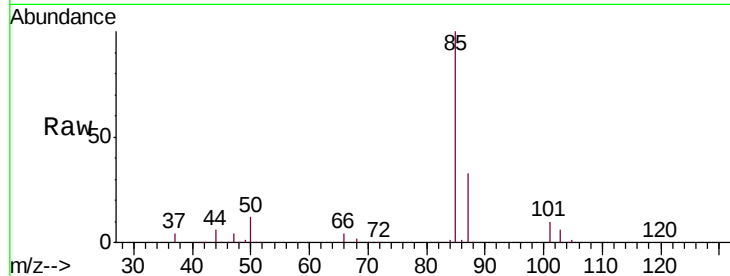
VSTD02588

Tgt Ion: 85 Resp: 116374

Ion Ratio Lower Upper

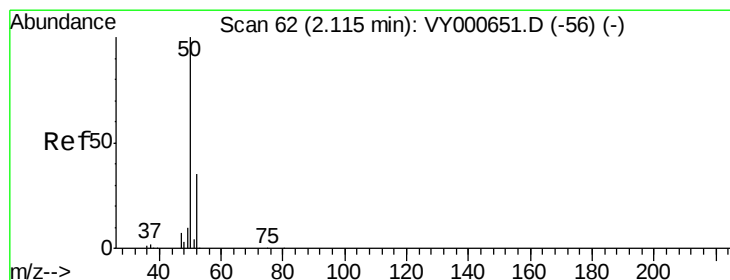
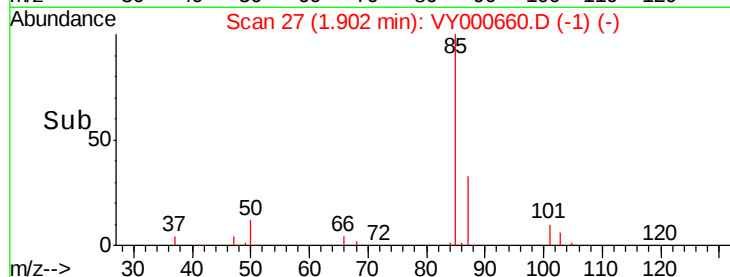
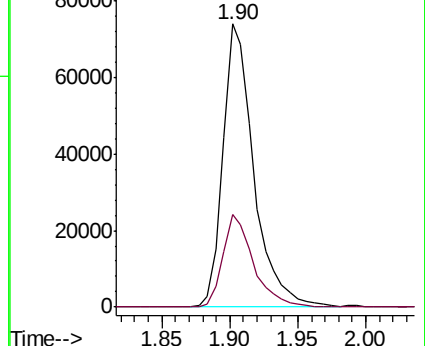
85 100

87 32.4 22.7 42.1



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 24.268 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000660.D

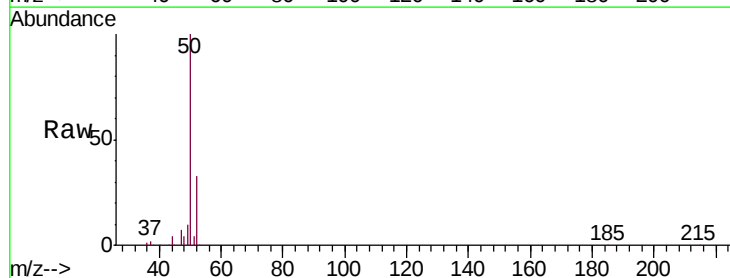
Acq: 12 Nov 2019 17:31

Tgt Ion: 50 Resp: 148203

Ion Ratio Lower Upper

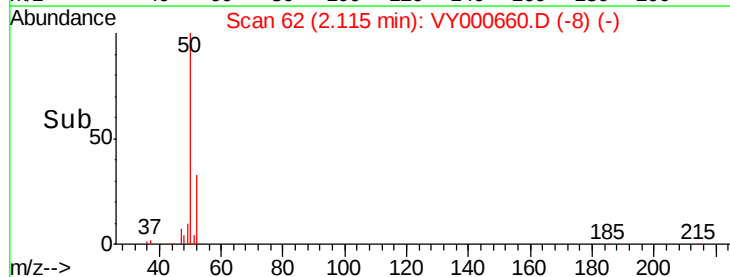
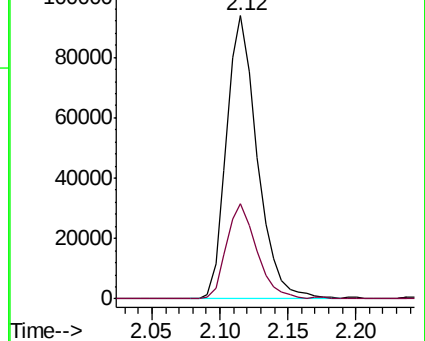
50 100

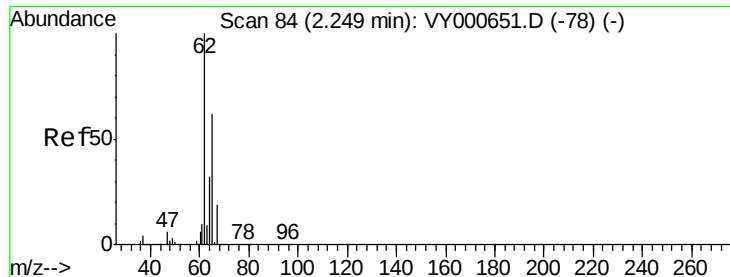
52 33.4 24.9 46.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 24.527 ug/L

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000660.D

Acq: 12 Nov 2019 17:31

Instrument :

MSVOA_Y

ClientSampleId :

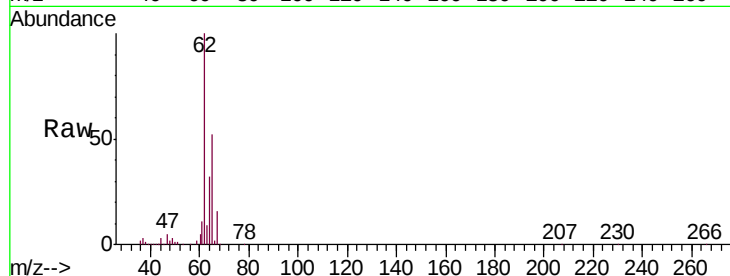
VSTD02588

Tgt Ion: 62 Resp: 149490

Ion Ratio Lower Upper

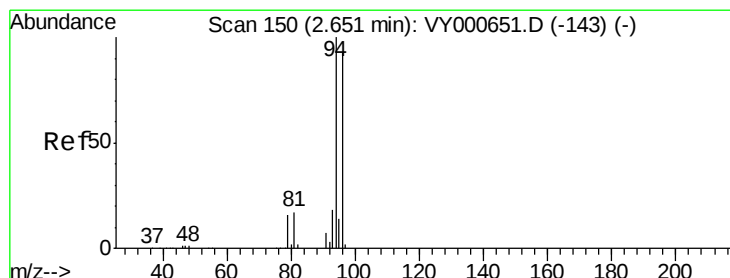
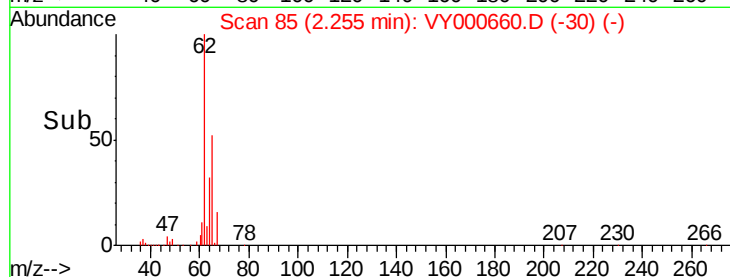
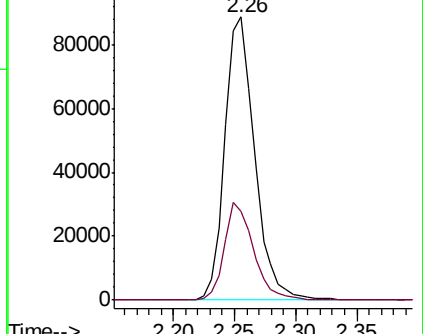
62 100

64 31.5 22.0 40.8



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 25.377 ug/L

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY000660.D

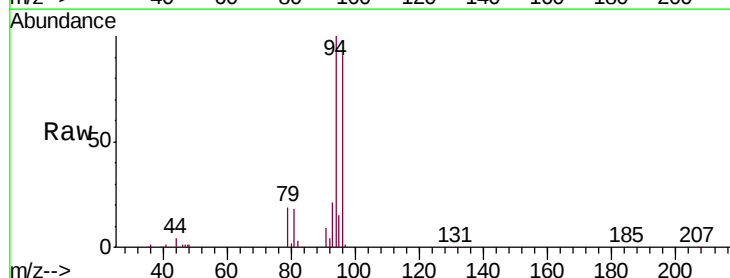
Acq: 12 Nov 2019 17:31

Tgt Ion: 94 Resp: 84462

Ion Ratio Lower Upper

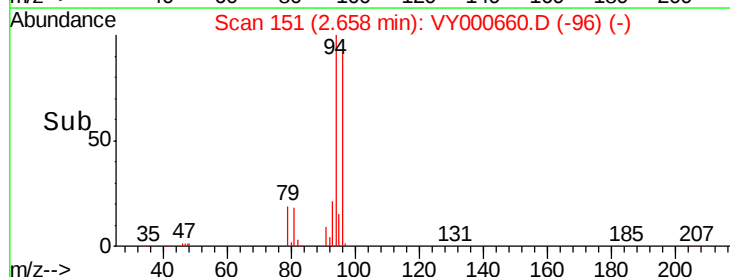
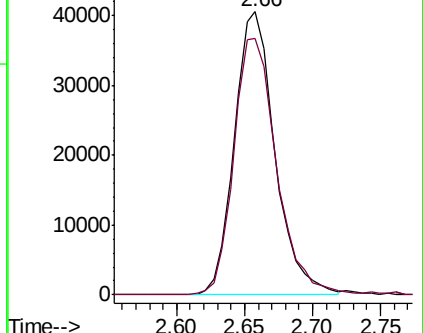
94 100

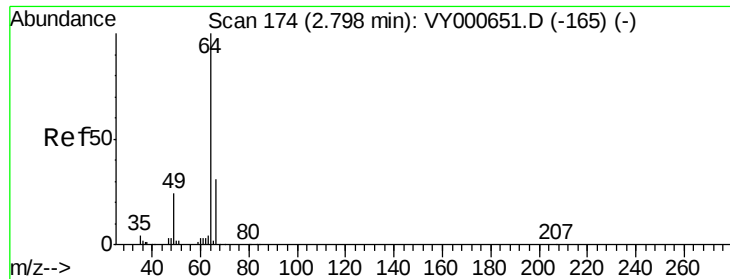
96 95.4 9.8 185.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

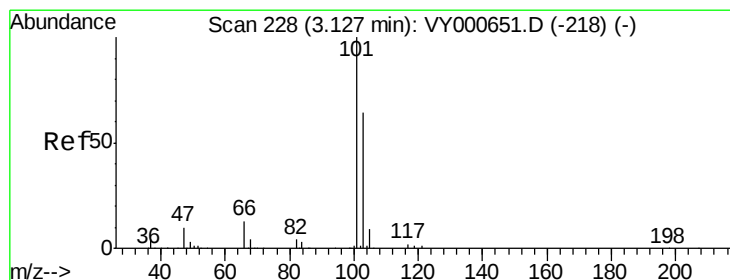
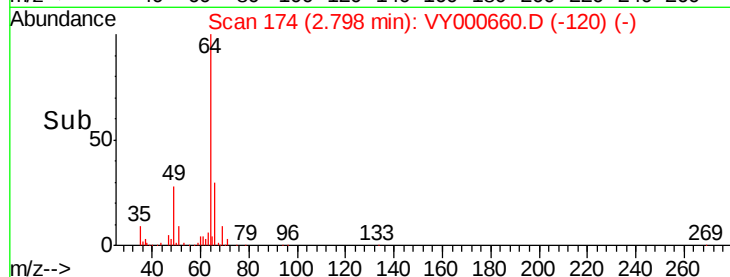
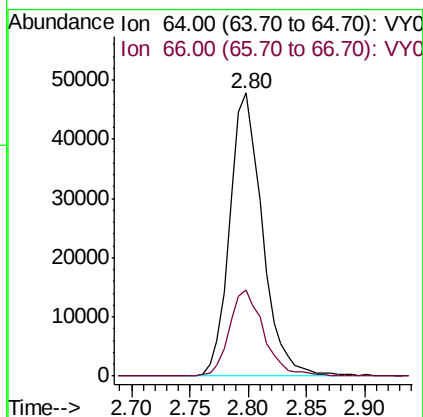
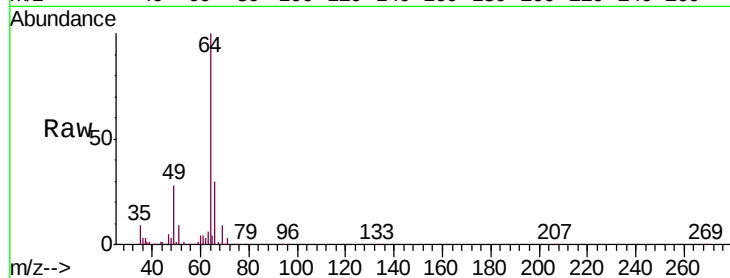




#8
Chloroethane
Concen: 24.620 ug/L
RT: 2.80 min Scan# 174
Delta R.T. 0.00 min
Lab File: VY000660.D
Acq: 12 Nov 2019 17:31

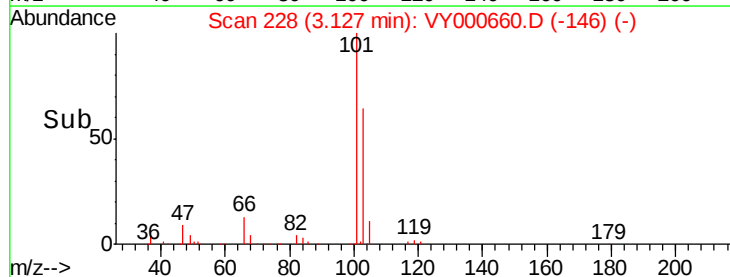
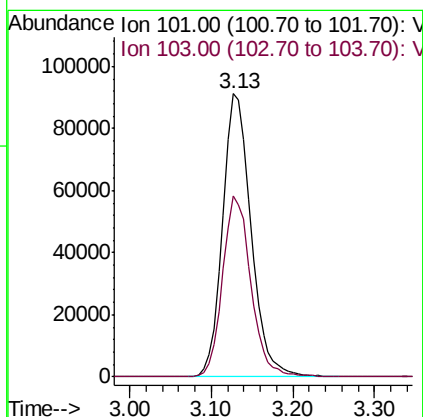
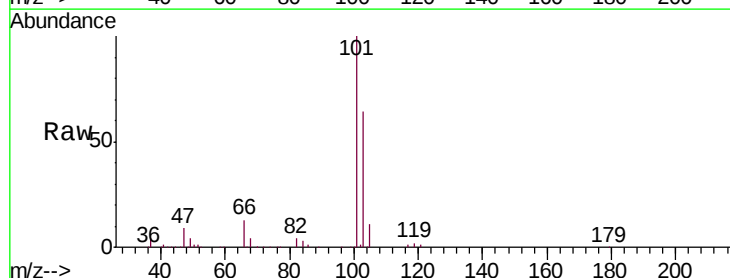
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02588

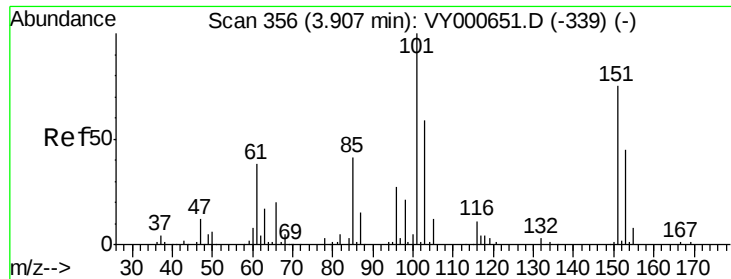
Tgt Ion: 64 Resp: 94095
Ion Ratio Lower Upper
64 100
66 30.3 22.2 41.2



#9
Trichlorofluoromethane
Concen: 25.509 ug/L
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY000660.D
Acq: 12 Nov 2019 17:31

Tgt Ion: 101 Resp: 220204
Ion Ratio Lower Upper
101 100
103 63.2 45.8 85.0





#11

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

Concen: 26.185 ug/L

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY000660.D

Acq: 12 Nov 2019 17:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02588

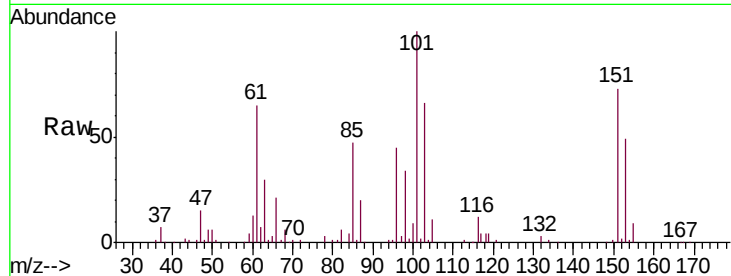
Tgt Ion: 101 Resp: 128217

Ion Ratio Lower Upper

101 100

85 45.5 35.3 52.9

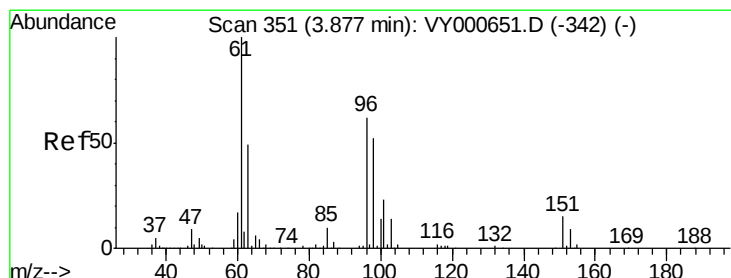
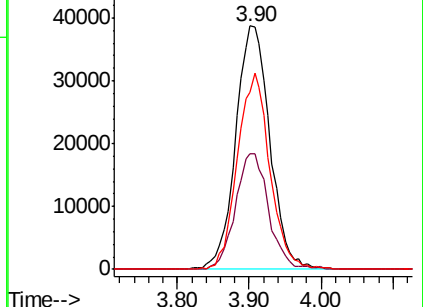
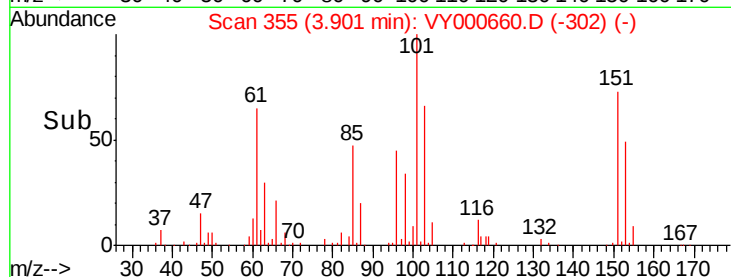
151 75.9 61.9 92.9



Abundance Ion 101.00 (100.70 to 101.70): VY000651.D (-339) (-)

Ion 85.00 (84.70 to 85.70): VY000651.D (-339) (-)

Ion 151.00 (150.70 to 151.70): VY000651.D (-339) (-)



#12

1,1-Dichloroethene

Concen: 25.095 ug/L

RT: 3.88 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY000660.D

Acq: 12 Nov 2019 17:31

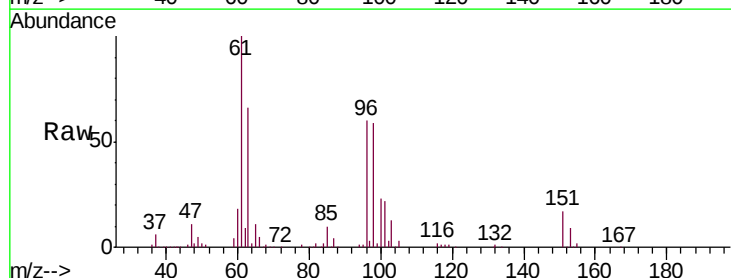
Tgt Ion: 96 Resp: 119944

Ion Ratio Lower Upper

96 100

61 166.8 113.5 210.9

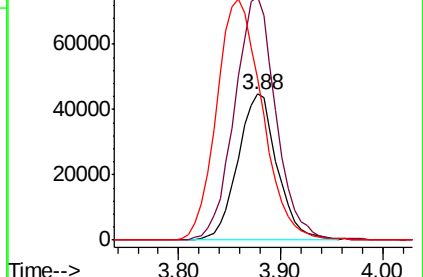
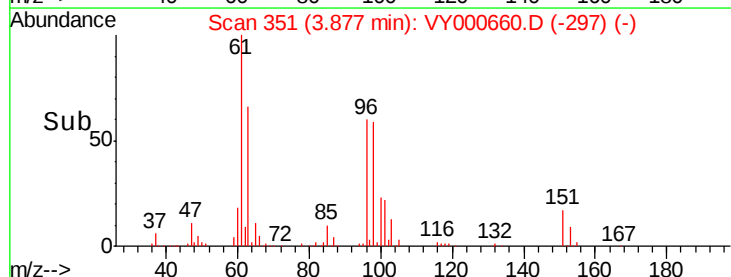
63 110.7 94.3 175.1

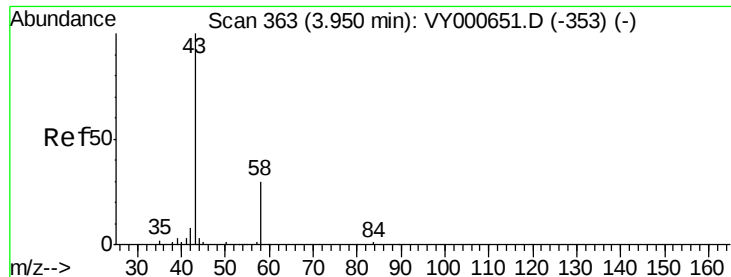


Abundance Ion 96.00 (95.70 to 96.70): VY000651.D (-342) (-)

Ion 61.00 (60.70 to 61.70): VY000651.D (-342) (-)

Ion 63.00 (62.70 to 63.70): VY000651.D (-342) (-)





#13

Acetone

Concen: 38.451 ug/L

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VY000660.D

Acq: 12 Nov 2019 17:31

Instrument :

MSVOA_Y

ClientSampleId :

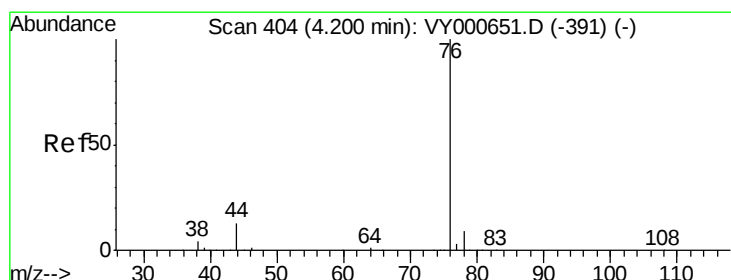
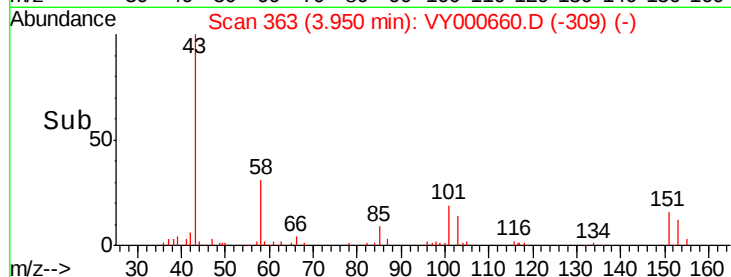
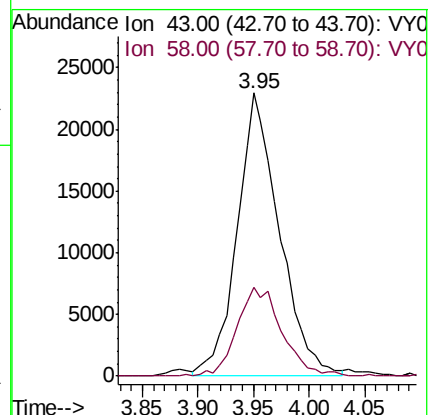
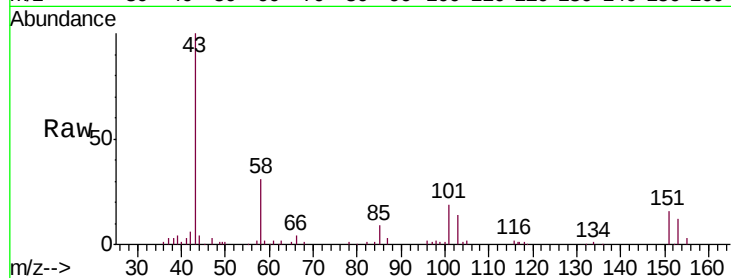
VSTD02588

Tgt Ion: 43 Resp: 60437

Ion Ratio Lower Upper

43 100

58 32.3 0.0 64.8



#14

Carbon disulfide

Concen: 25.938 ug/L

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY000660.D

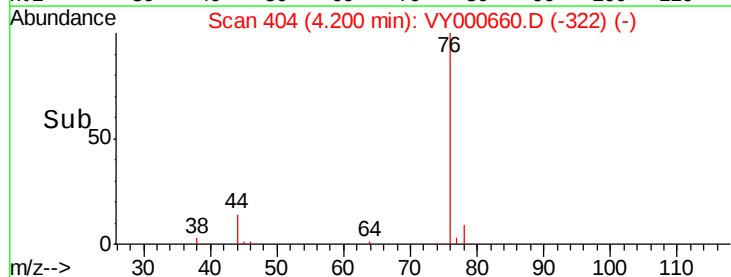
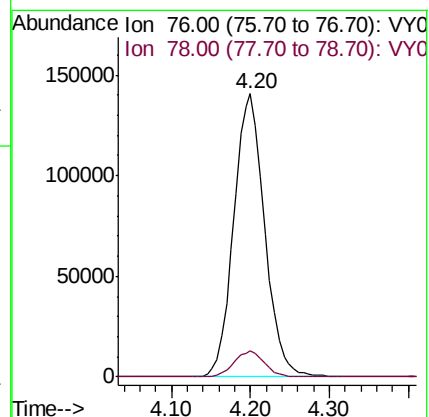
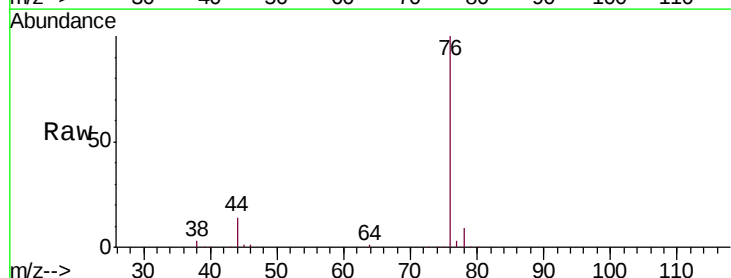
Acq: 12 Nov 2019 17:31

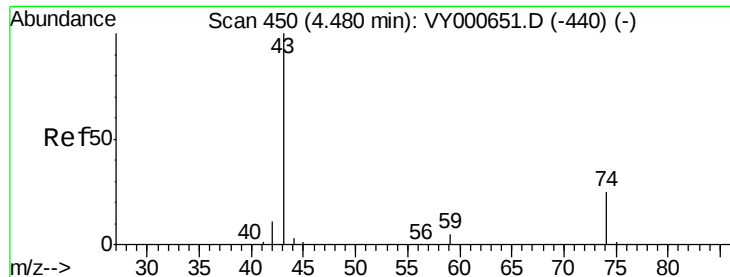
Tgt Ion: 76 Resp: 382525

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6





#15

Methyl Acetate

Concen: 21.445 ug/L

RT: 4.48 min Scan# 450

Delta R.T. 0.00 min

Lab File: VY000660.D

Acq: 12 Nov 2019 17:31

Instrument :

MSVOA_Y

ClientSampleId :

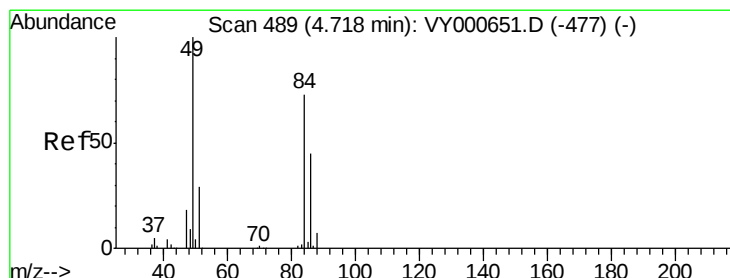
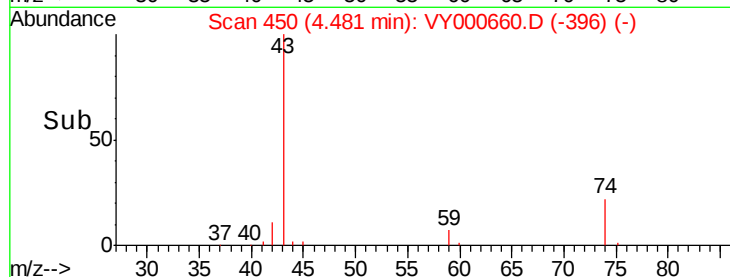
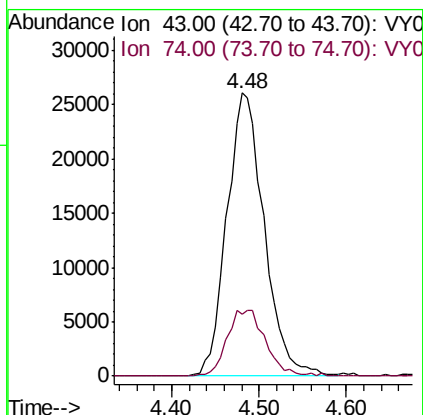
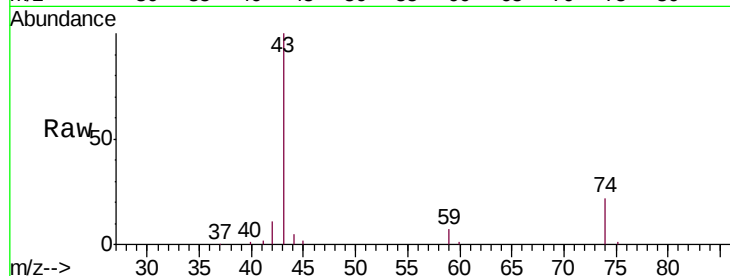
VSTD02588

Tgt Ion: 43 Resp: 77219

Ion Ratio Lower Upper

43 100

74 10.8 18.1 27.1#



#16

Methylene chloride

Concen: 22.675 ug/L

RT: 4.72 min Scan# 489

Delta R.T. 0.00 min

Lab File: VY000660.D

Acq: 12 Nov 2019 17:31

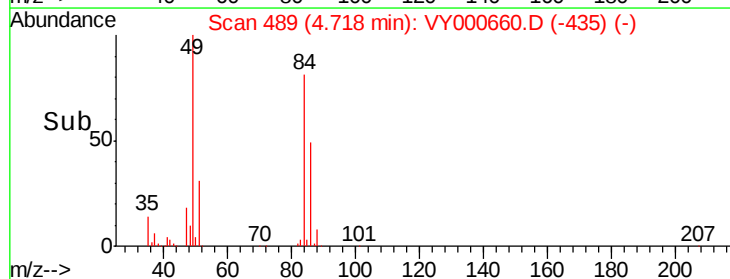
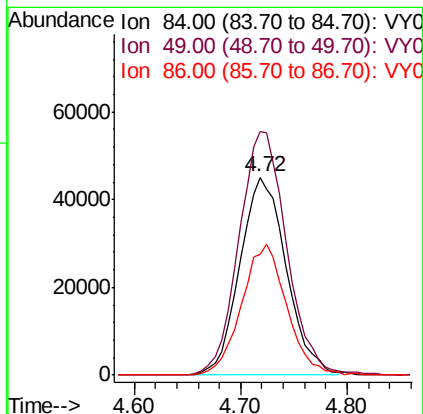
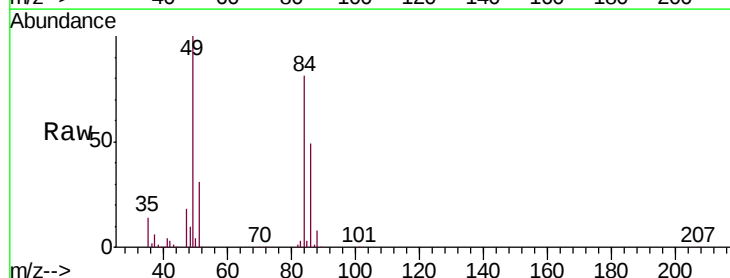
Tgt Ion: 84 Resp: 137993

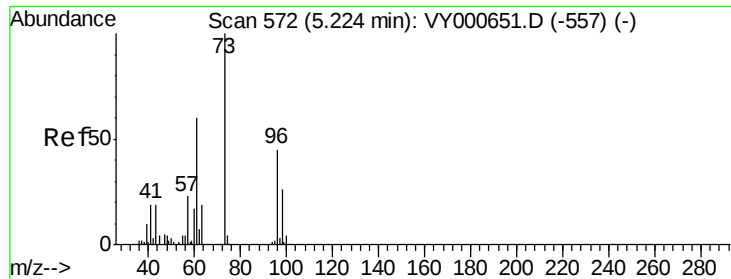
Ion Ratio Lower Upper

84 100

49 123.3 88.8 165.0

86 60.8 43.9 81.5

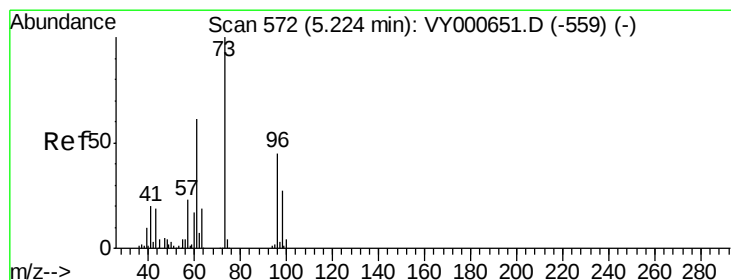
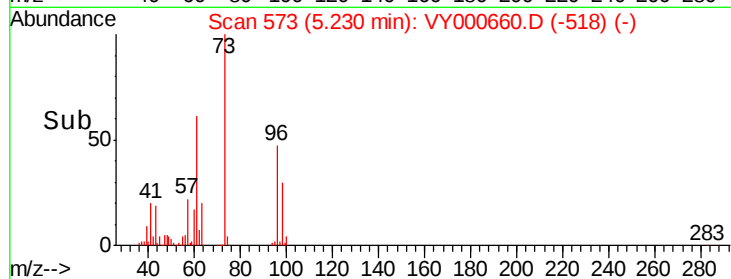
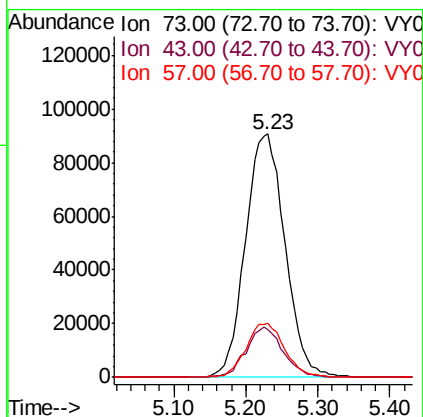
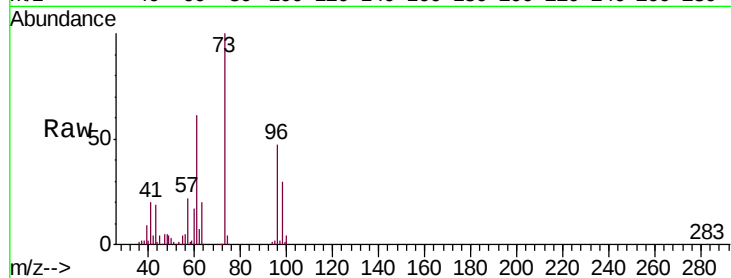




#17
Methyl tert-butyl Ether
Concen: 23.738 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000660.D
Acq: 12 Nov 2019 17:31

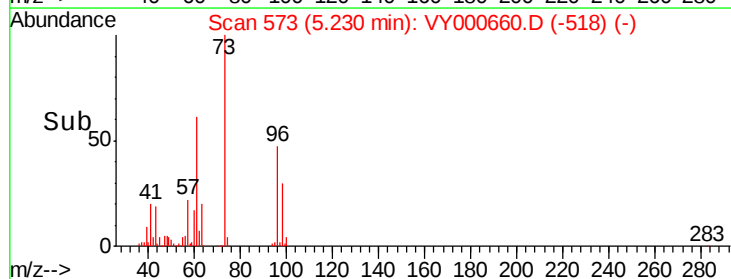
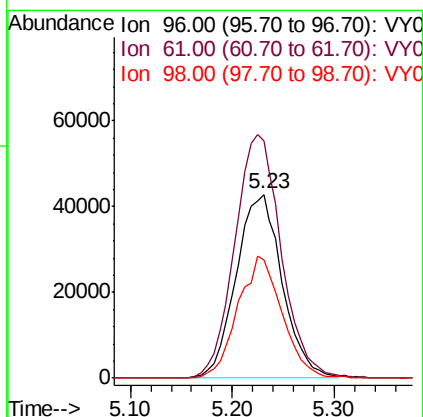
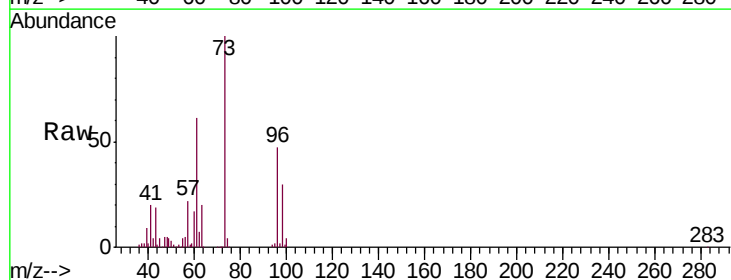
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02588

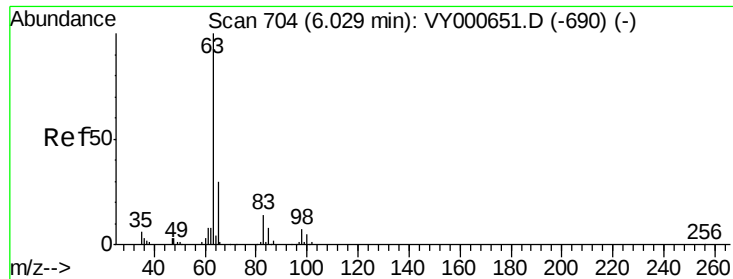
Tgt Ion: 73 Resp: 345199
Ion Ratio Lower Upper
73 100
43 19.4 15.4 23.0
57 21.7 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 25.215 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000660.D
Acq: 12 Nov 2019 17:31

Tgt Ion: 96 Resp: 134593
Ion Ratio Lower Upper
96 100
61 129.0 91.8 170.4
98 64.0 46.3 85.9

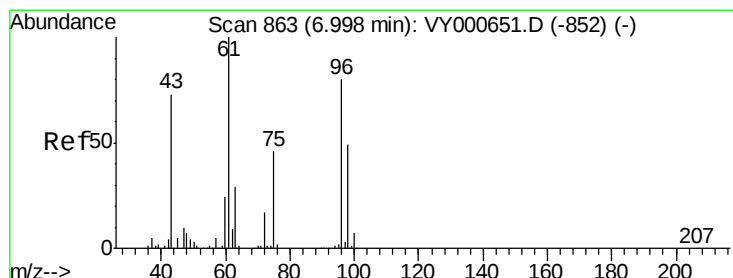
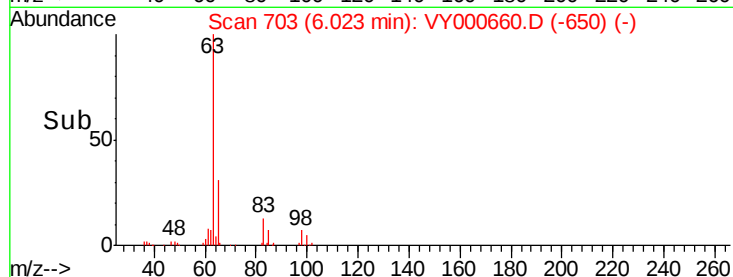
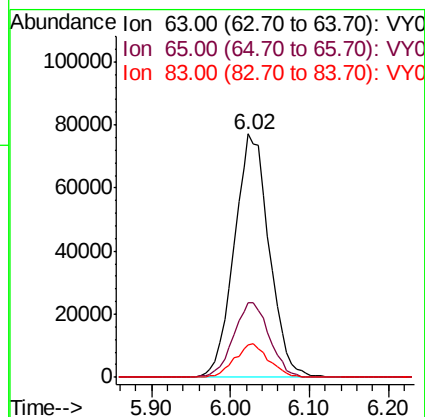
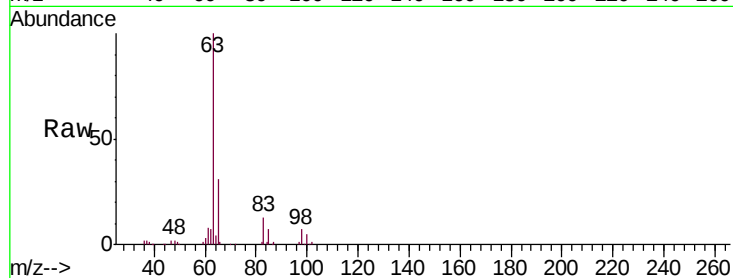




#19
 1,1-Dichloroethane
 Concen: 25.254 ug/L
 RT: 6.02 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VY000660.D
 Acq: 12 Nov 2019 17:31

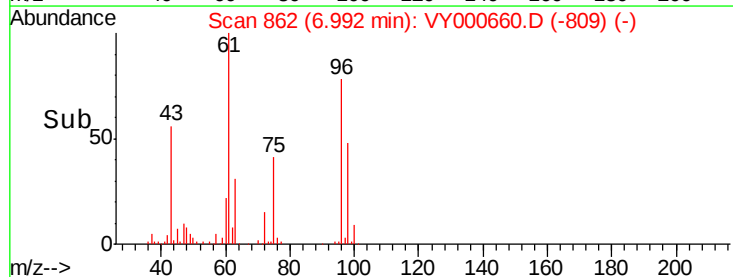
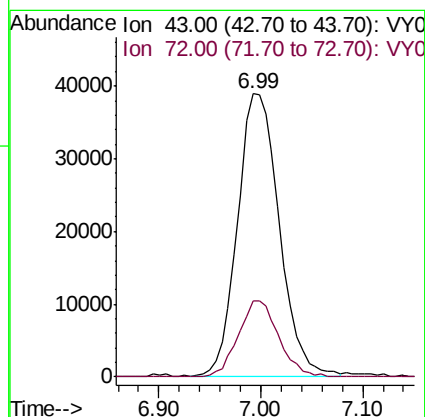
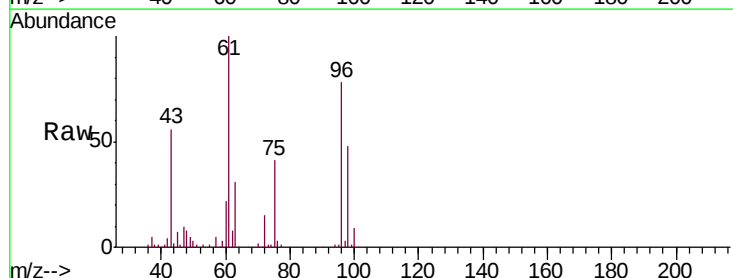
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02588

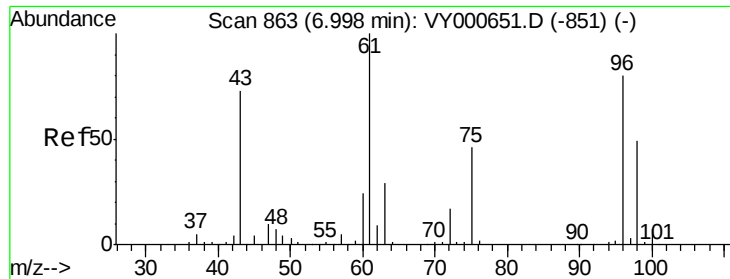
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.6	23.9	44.5
83	13.4	10.1	18.9



#21
 2-Butanone
 Concen: 39.841 ug/L
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY000660.D
 Acq: 12 Nov 2019 17:31

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.9	12.6	37.8



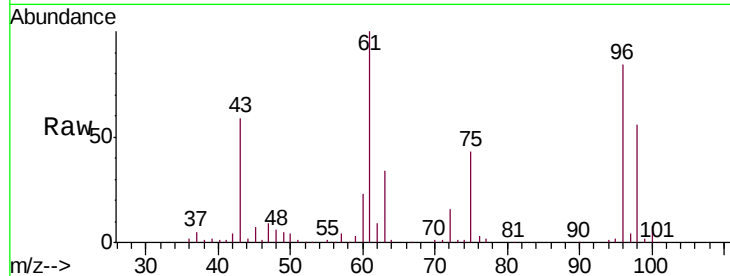


#22

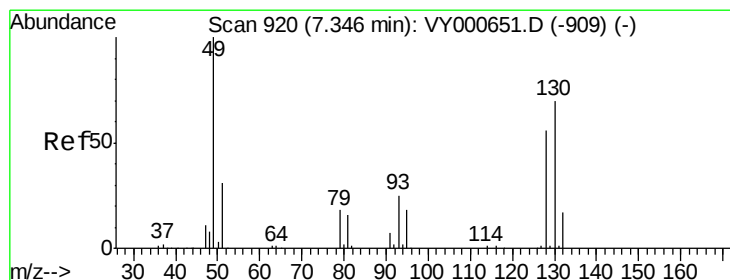
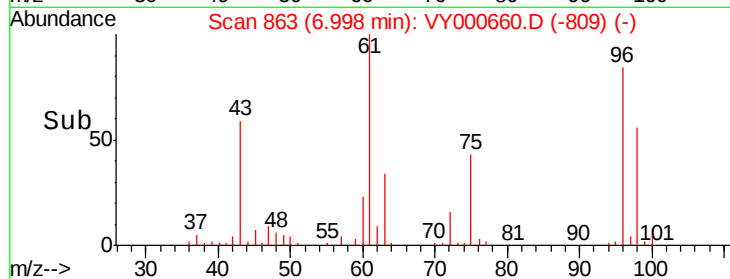
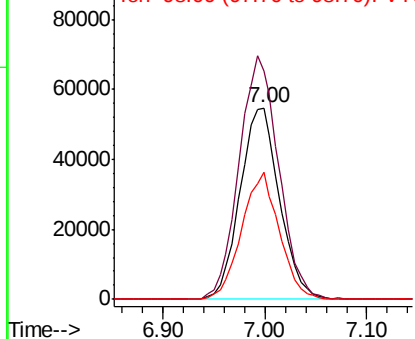
cis-1,2-Dichloroethene
 Concen: 24.921 ug/L
 RT: 7.00 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VY000660.D
 Acq: 12 Nov 2019 17:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02588

Tgt Ion: 96 Resp: 147138
 Ion Ratio Lower Upper
 96 100
 61 119.1 86.8 161.2
 98 66.5 44.6 82.8



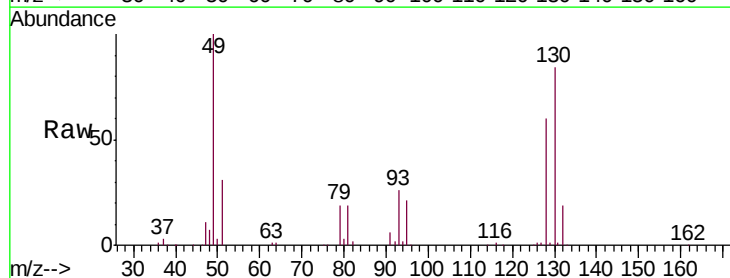
Abundance Ion 96.00 (95.70 to 96.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 98.00 (97.70 to 98.70): VY0



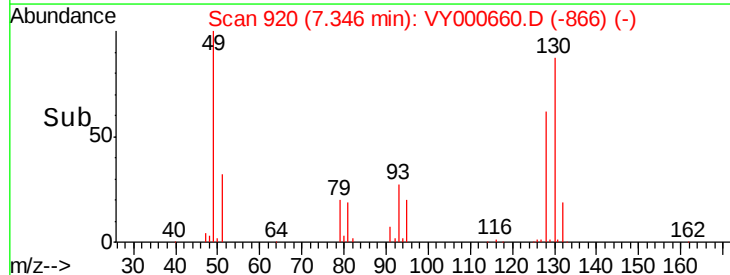
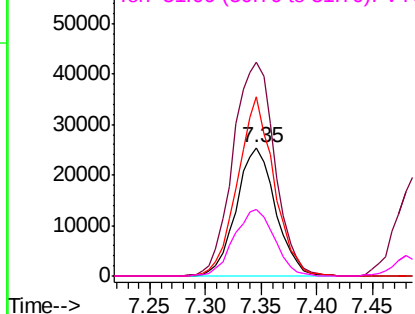
#23

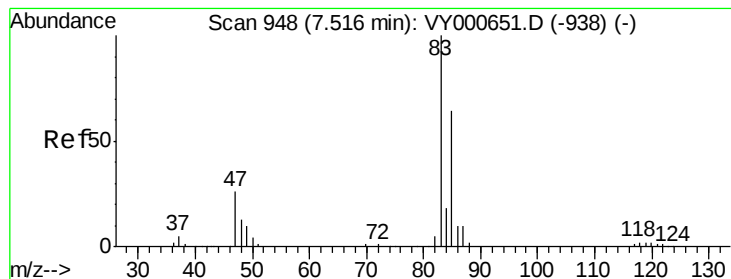
Bromochloromethane
 Concen: 24.178 ug/L
 RT: 7.35 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VY000660.D
 Acq: 12 Nov 2019 17:31

Tgt Ion: 128 Resp: 62333
 Ion Ratio Lower Upper
 128 100
 49 166.4 131.5 244.3
 130 139.2 96.7 179.5
 51 51.7 45.3 67.9



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VY0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VY0





#25

Chloroform

Concen: 24.777 ug/L

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY000660.D

Acq: 12 Nov 2019 17:31

Instrument :

MSVOA_Y

ClientSampleId :

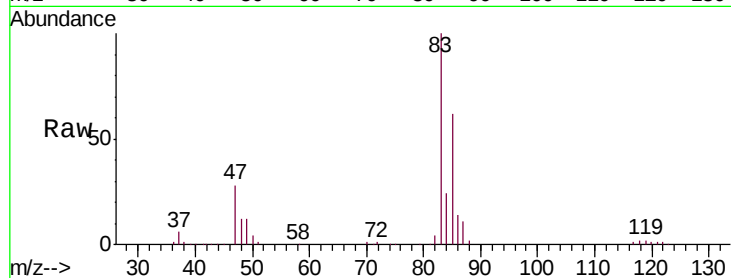
VSTD02588

Tgt Ion: 83 Resp: 250866

Ion Ratio Lower Upper

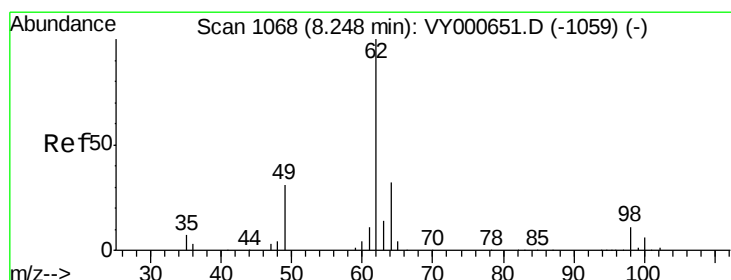
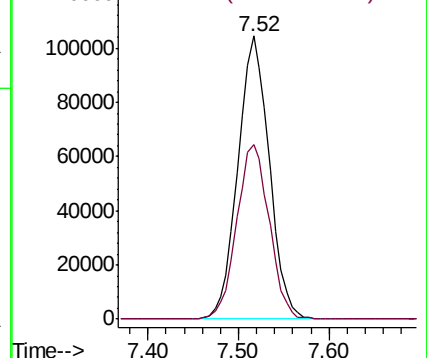
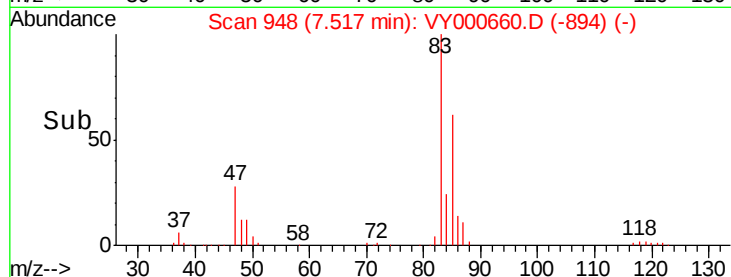
83 100

85 64.0 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VY000660.D (-894) (-)

Ion 85.00 (84.70 to 85.70): VY000660.D (-894) (-)



#27

1,2-Dichloroethane

Concen: 24.501 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VY000660.D

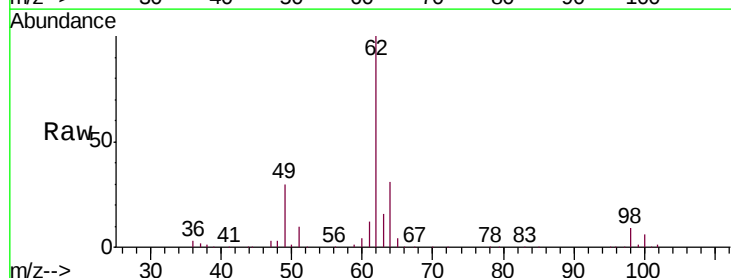
Acq: 12 Nov 2019 17:31

Tgt Ion: 62 Resp: 165833

Ion Ratio Lower Upper

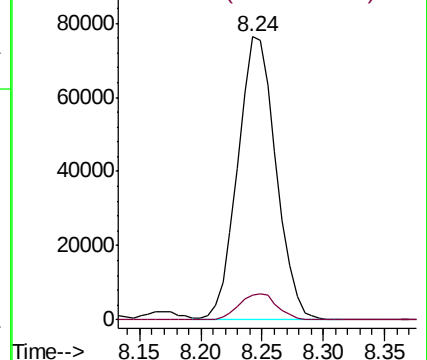
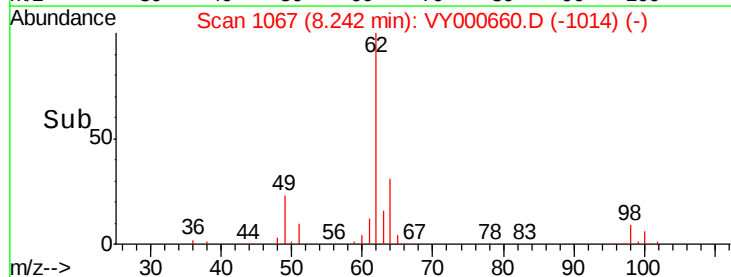
62 100

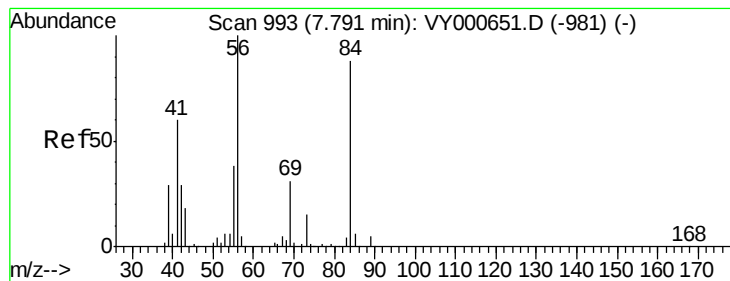
98 8.9 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VY000660.D (-1014) (-)

Ion 98.00 (97.70 to 98.70): VY000660.D (-1014) (-)





#30

Cyclohexane

Concen: 24.832 ug/L

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY000660.D

Acq: 12 Nov 2019 17:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02588

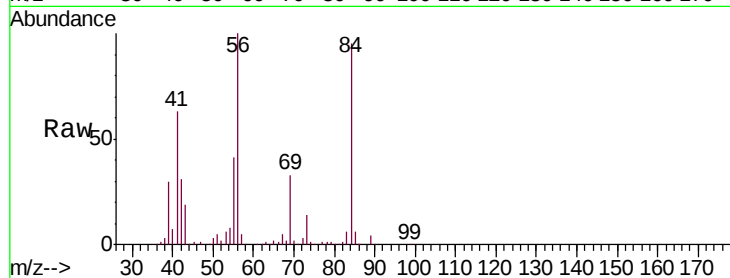
Tgt Ion: 56 Resp: 227040

Ion Ratio Lower Upper

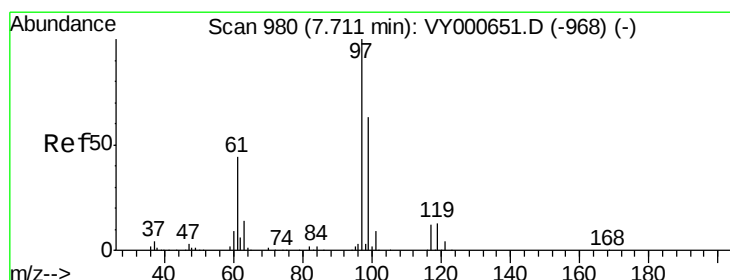
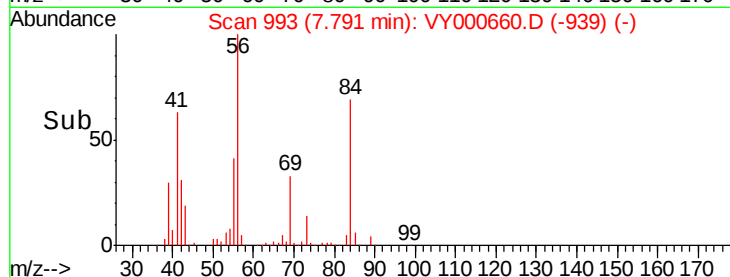
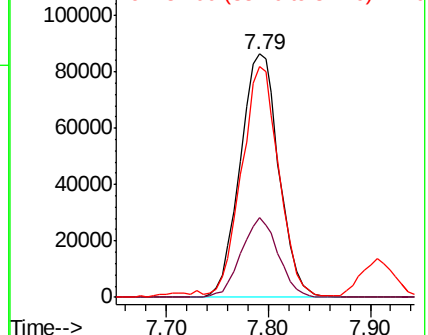
56 100

69 31.4 24.1 36.1

84 92.0 70.2 105.4



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#31

1,1,1-Trichloroethane

Concen: 25.572 ug/L

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY000660.D

Acq: 12 Nov 2019 17:31

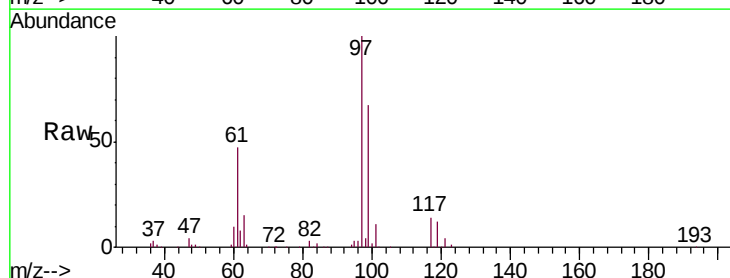
Tgt Ion: 97 Resp: 211082

Ion Ratio Lower Upper

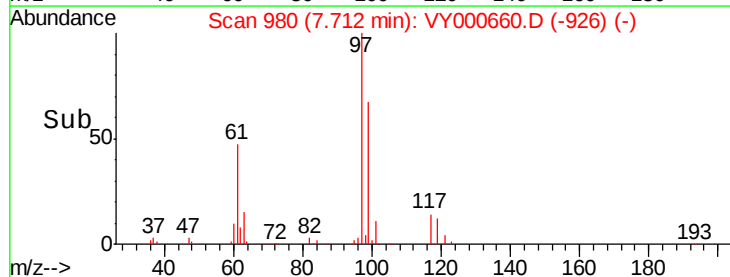
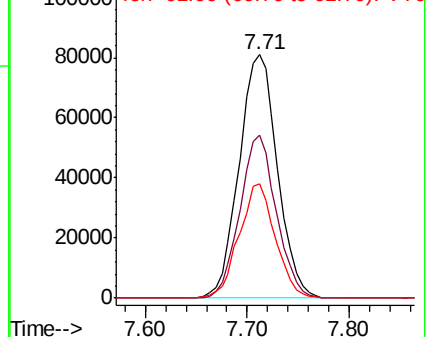
97 100

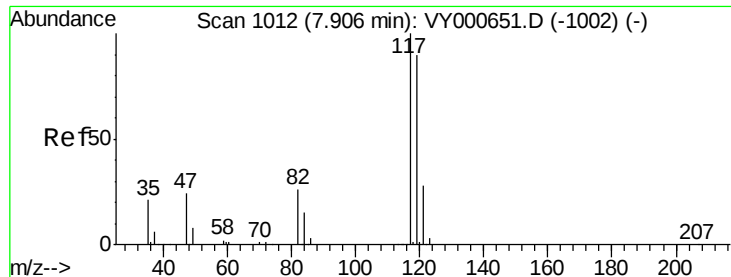
99 63.7 51.4 77.0

61 44.3 34.7 52.1



Abundance Ion 97.00 (96.70 to 97.70): VY0
Ion 99.00 (98.70 to 99.70): VY0
Ion 61.00 (60.70 to 61.70): VY0





#32

Carbon tetrachloride

Concen: 26.575 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VY000660.D

Acq: 12 Nov 2019 17:31

Instrument :

MSVOA_Y

ClientSampleId :

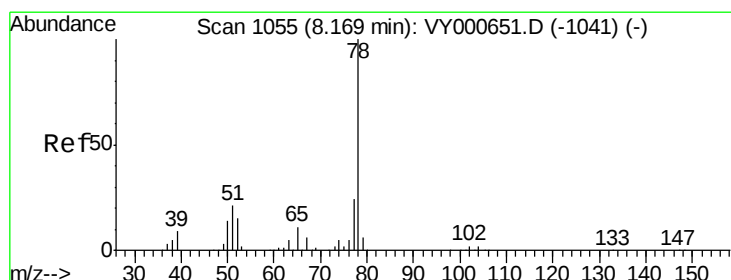
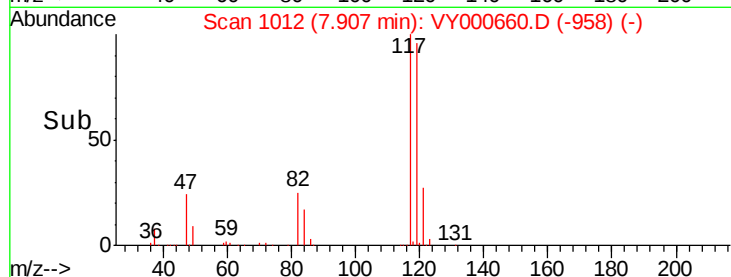
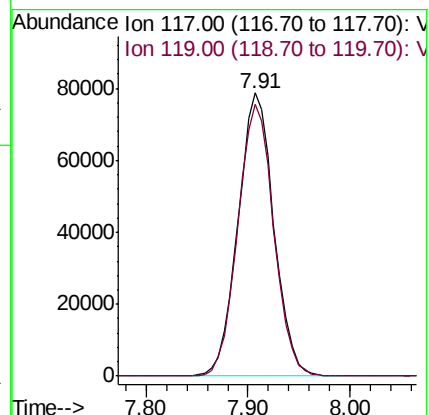
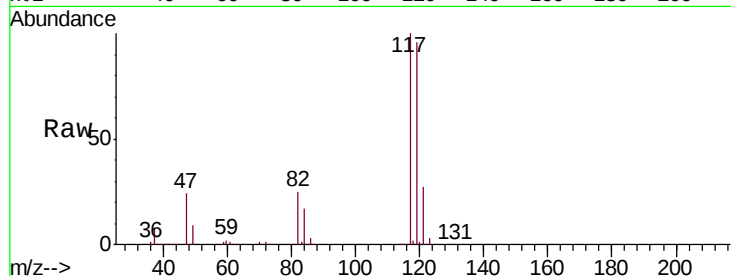
VSTD02588

Tgt Ion:117 Resp: 191198

Ion Ratio Lower Upper

117 100

119 96.1 76.2 114.2



#34

Benzene

Concen: 25.191 ug/L

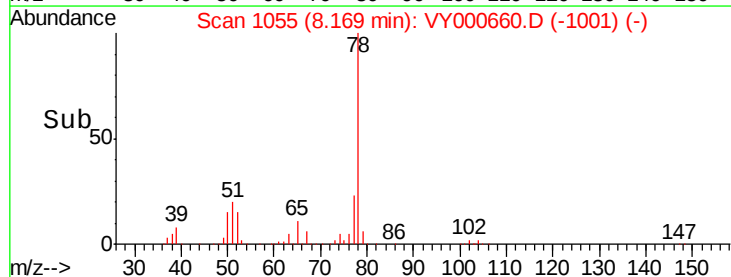
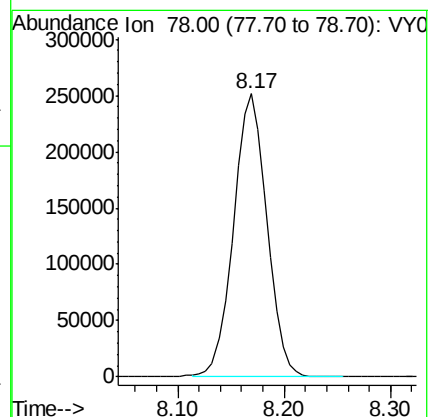
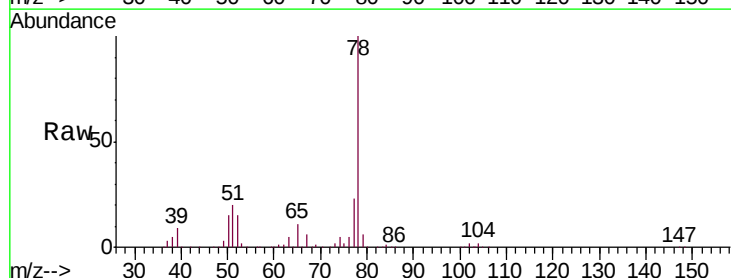
RT: 8.17 min Scan# 1055

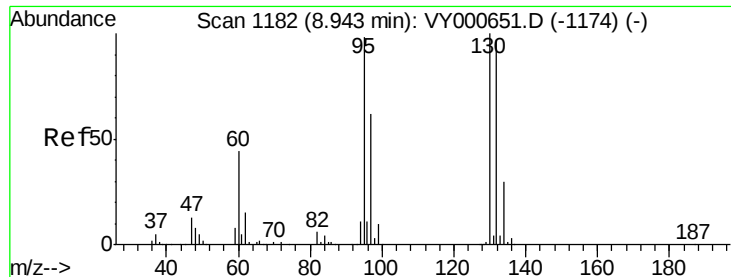
Delta R.T. 0.00 min

Lab File: VY000660.D

Acq: 12 Nov 2019 17:31

Tgt Ion: 78 Resp: 551831

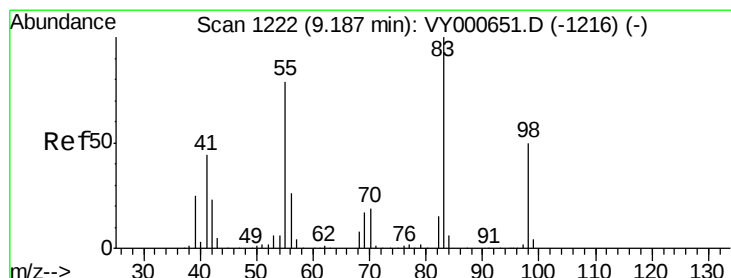
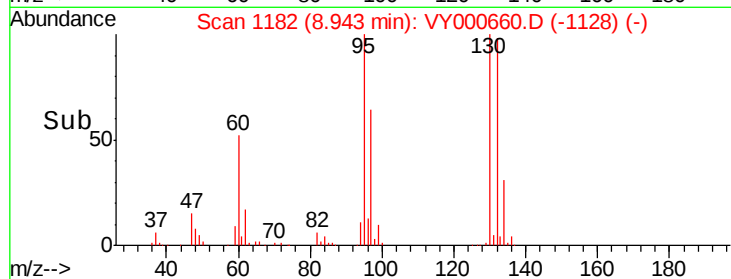
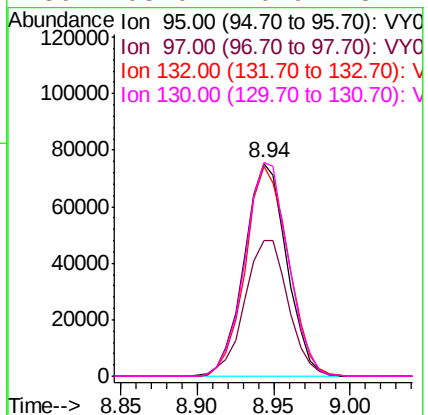
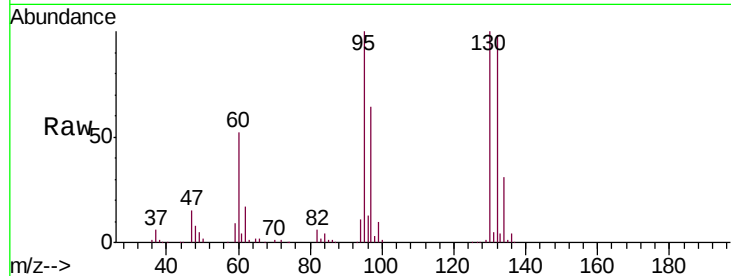




#35
 Trichloroethene
 Concen: 25.332 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VY000660.D
 Acq: 12 Nov 2019 17:31

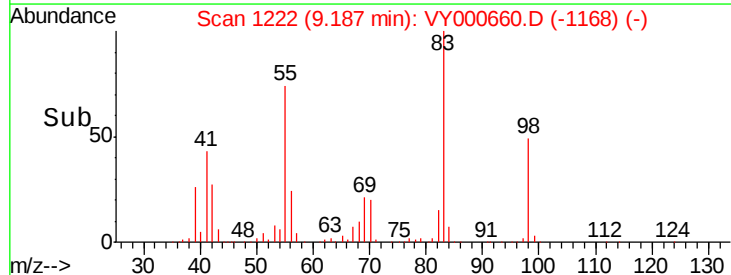
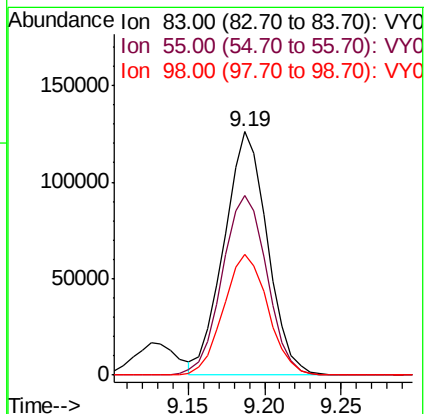
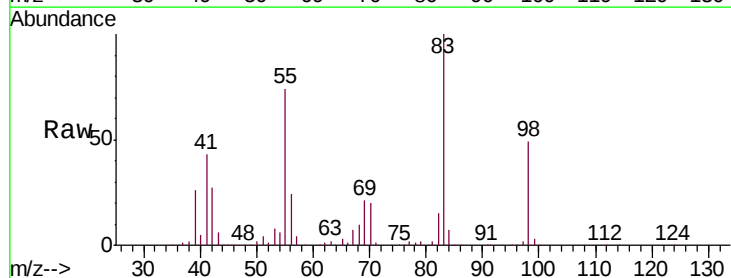
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02588

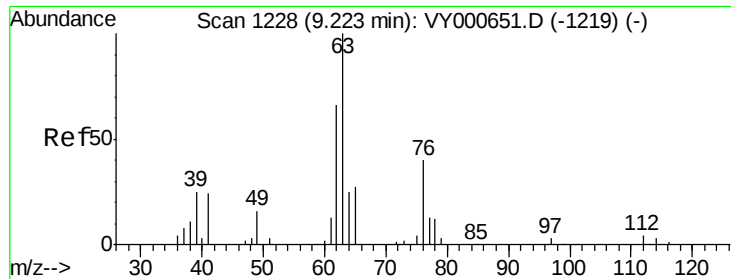
Tgt Ion: 95 Resp: 145502
 Ion Ratio Lower Upper
 95 100
 97 65.8 44.4 82.4
 132 99.9 66.8 124.0
 130 103.0 70.9 131.7



#36
 Methylcyclohexane
 Concen: 25.168 ug/L
 RT: 9.19 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: VY000660.D
 Acq: 12 Nov 2019 17:31

Tgt Ion: 83 Resp: 247423
 Ion Ratio Lower Upper
 83 100
 55 76.2 60.0 90.0
 98 50.9 40.2 60.2

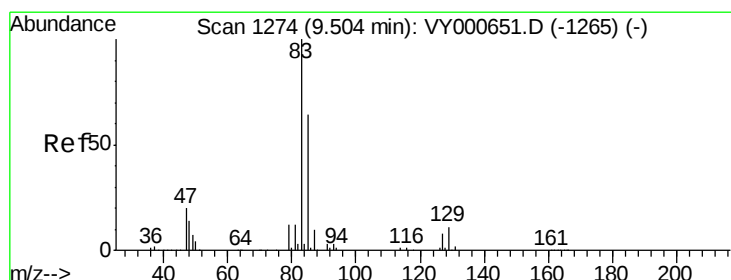
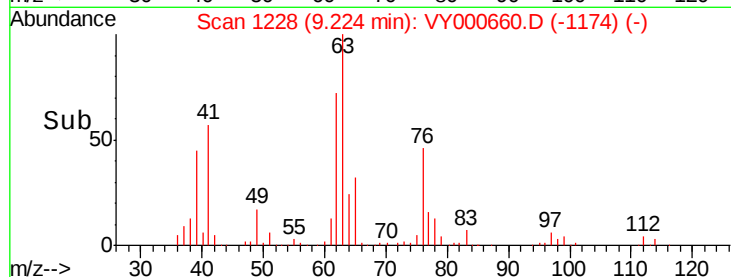
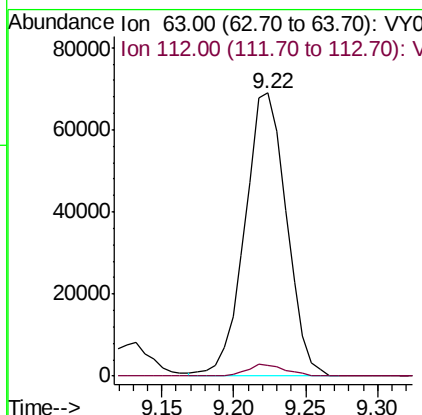
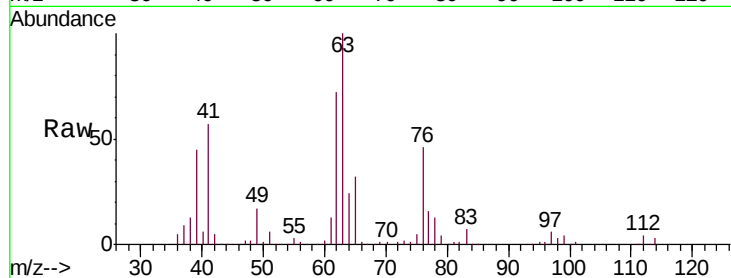




#40
 1,2-Dichloropropane
 Concen: 24.884 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000660.D
 Acq: 12 Nov 2019 17:31

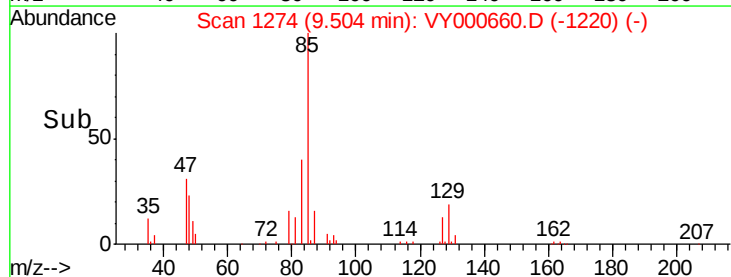
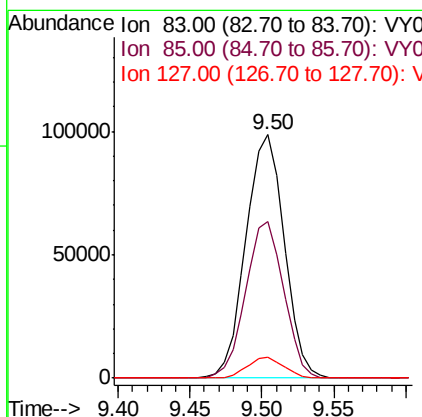
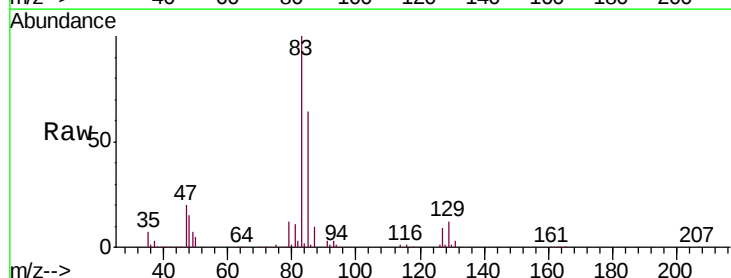
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02588

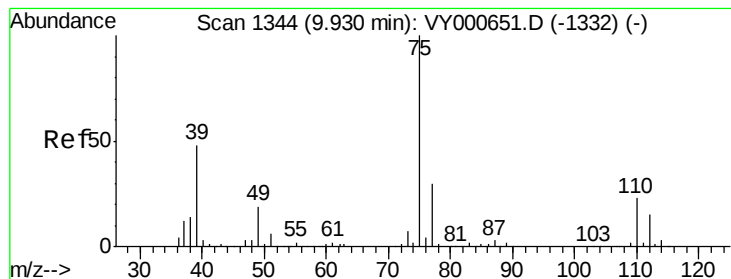
Tgt Ion: 63 Resp: 138139
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.2 4.8



#41
 Bromodichloromethane
 Concen: 25.524 ug/L
 RT: 9.50 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VY000660.D
 Acq: 12 Nov 2019 17:31

Tgt Ion: 83 Resp: 182314
 Ion Ratio Lower Upper
 83 100
 85 64.4 46.1 85.5
 127 8.5 6.5 9.7



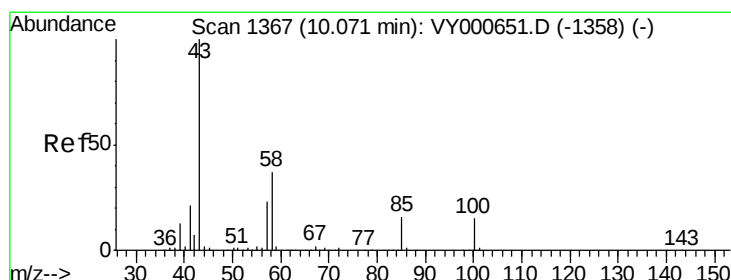
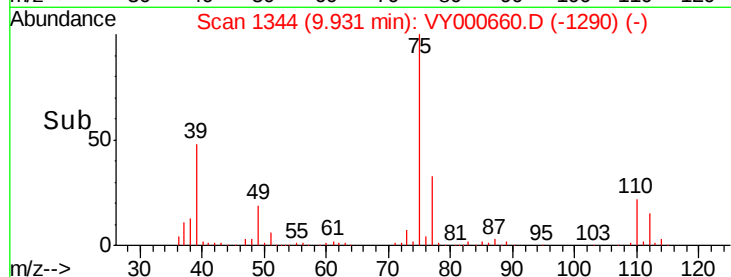
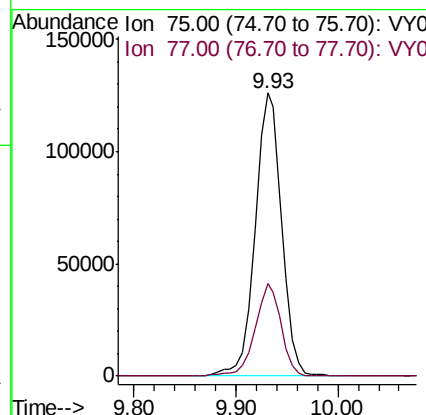
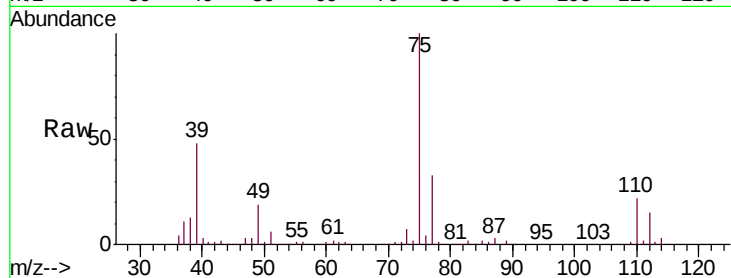


#42

cis-1,3-Dichloropropene
Concen: 25.537 ug/L
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY000660.D
Acq: 12 Nov 2019 17:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02588

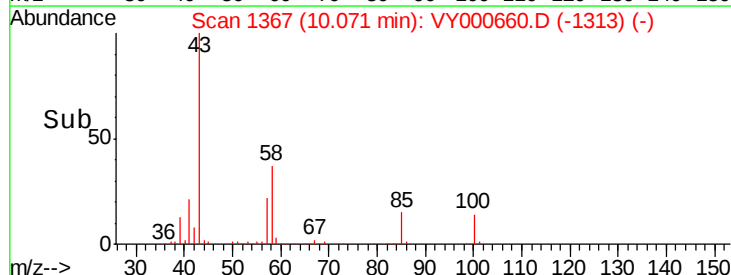
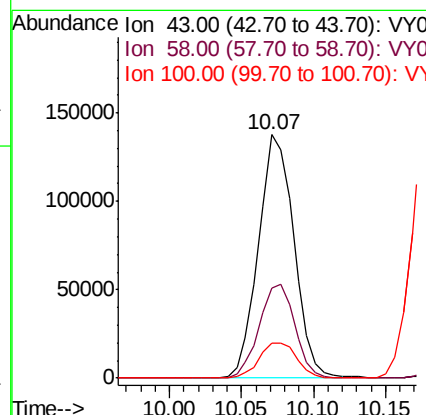
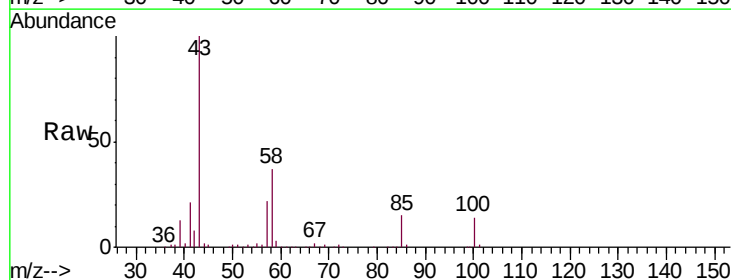
Tgt Ion: 75 Resp: 228381
Ion Ratio Lower Upper
75 100
77 32.8 21.7 40.3

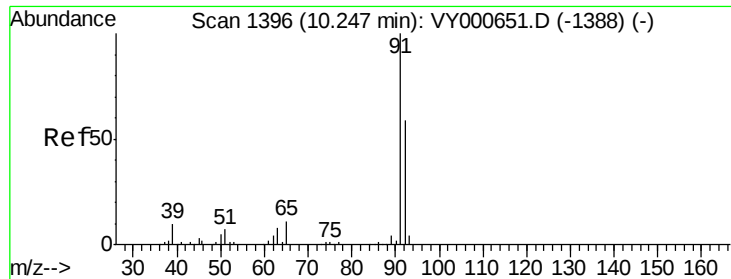


#43

4-Methyl-2-pentanone
Concen: 44.273 ug/L
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY000660.D
Acq: 12 Nov 2019 17:31

Tgt Ion: 43 Resp: 235057
Ion Ratio Lower Upper
43 100
58 38.8 30.6 45.8
100 15.4 12.0 18.0





#44

Toluene

Concen: 25.392 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000660.D

Acq: 12 Nov 2019 17:31

Instrument :

MSVOA_Y

ClientSampleId :

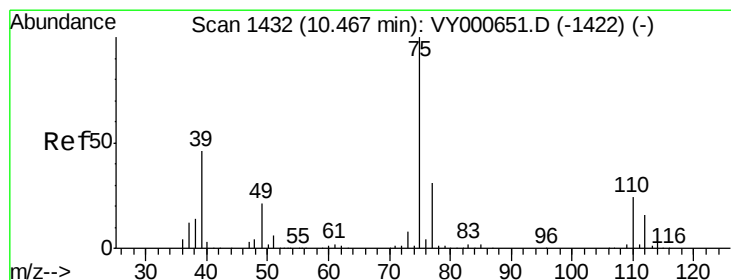
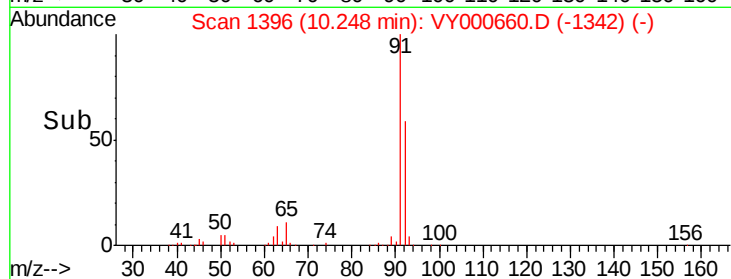
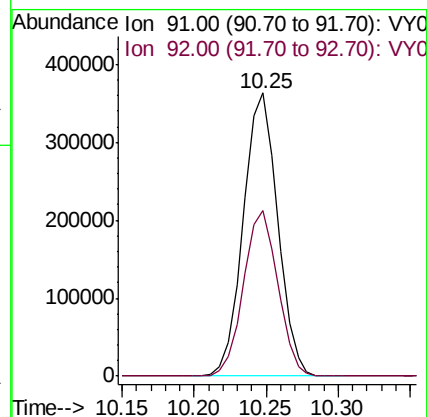
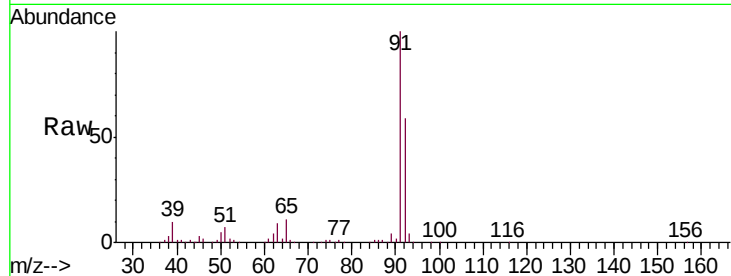
VSTD02588

Tgt Ion: 91 Resp: 601292

Ion Ratio Lower Upper

91 100

92 58.5 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 24.955 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000660.D

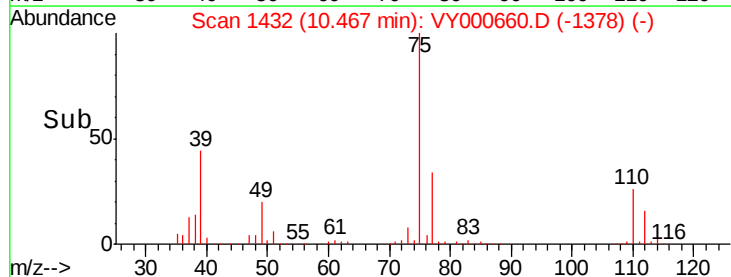
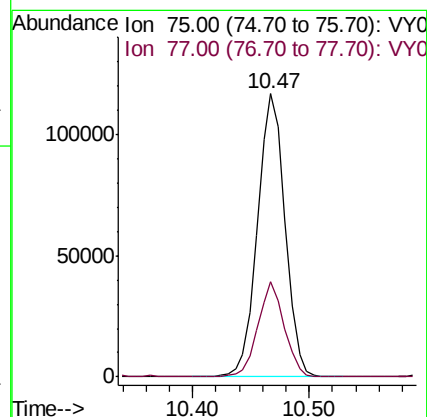
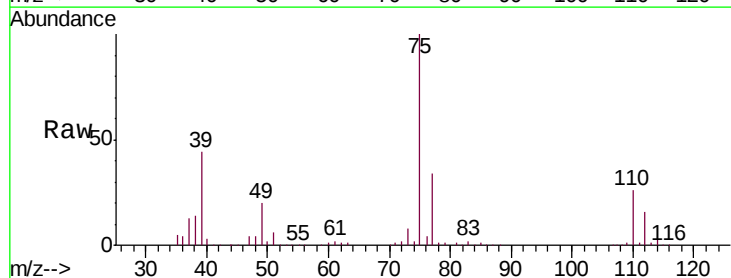
Acq: 12 Nov 2019 17:31

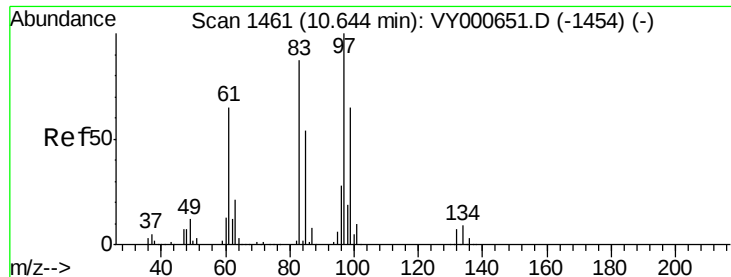
Tgt Ion: 75 Resp: 191729

Ion Ratio Lower Upper

75 100

77 33.8 20.4 37.8

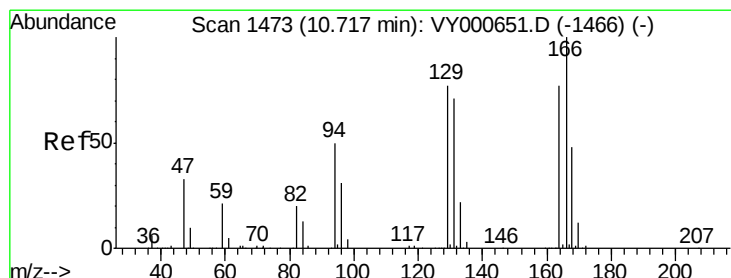
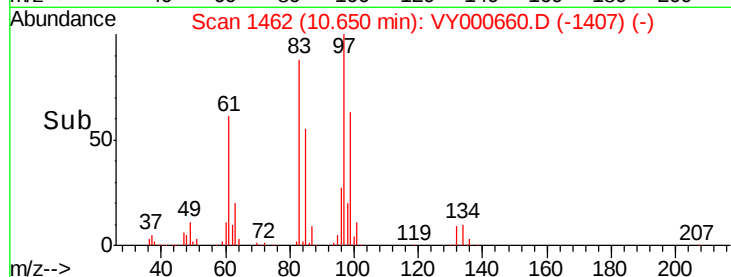
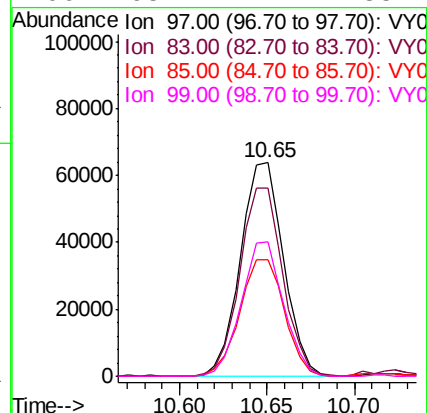
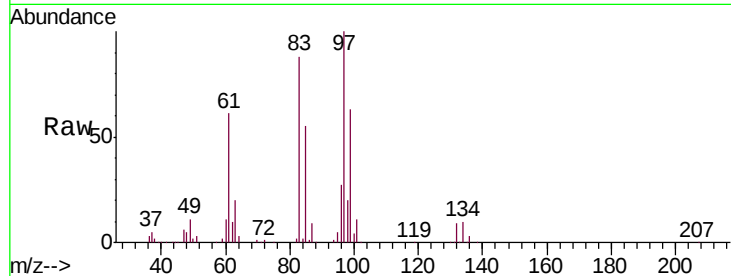




#46
 1,1,2-Trichloroethane
 Concen: 24.002 ug/L
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: VY000660.D
 Acq: 12 Nov 2019 17:31

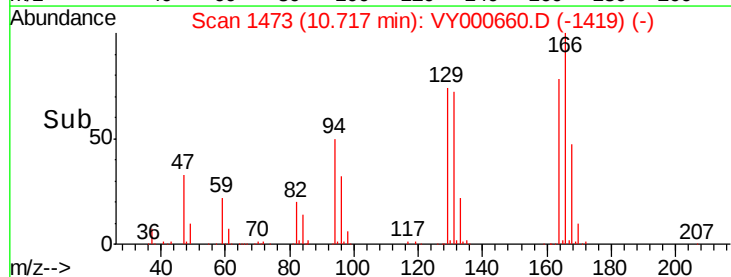
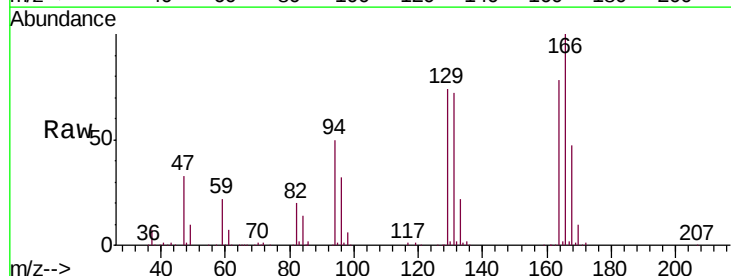
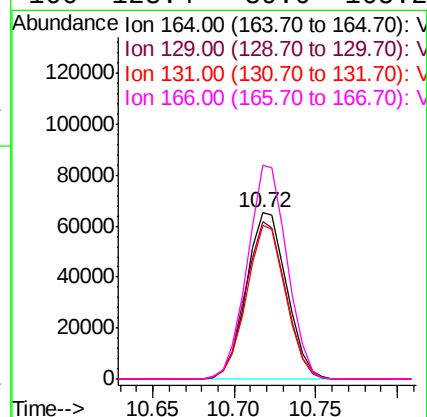
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02588

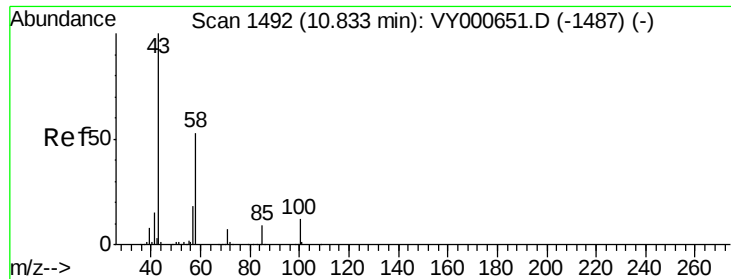
Tgt Ion: 97 Resp: 109291
 Ion Ratio Lower Upper
 97 100
 83 88.1 58.7 109.1
 85 54.5 37.3 69.3
 99 63.2 44.7 83.1



#47
 Tetrachloroethene
 Concen: 26.198 ug/L
 RT: 10.72 min Scan# 1473
 Delta R.T. 0.00 min
 Lab File: VY000660.D
 Acq: 12 Nov 2019 17:31

Tgt Ion: 164 Resp: 112362
 Ion Ratio Lower Upper
 164 100
 129 94.5 69.6 129.2
 131 92.1 66.8 124.2
 166 128.4 89.0 165.2

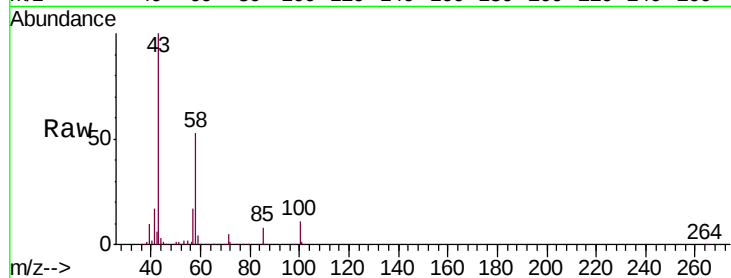




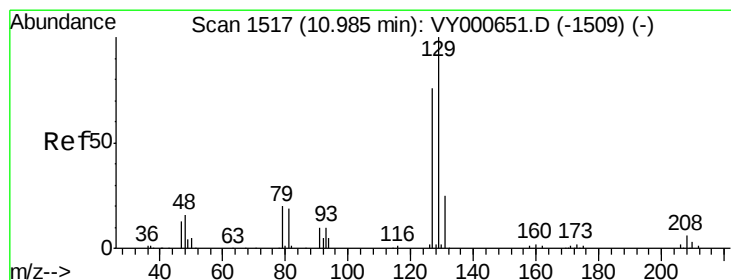
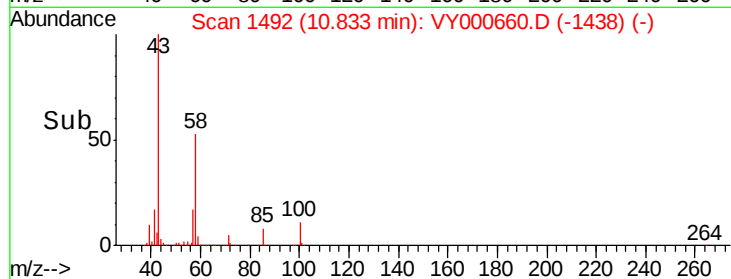
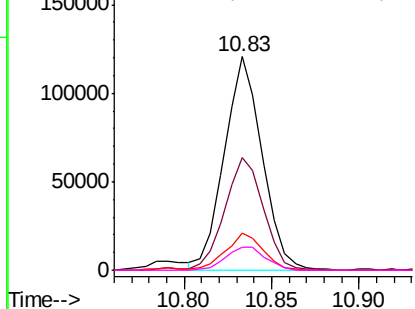
#49
2-Hexanone
Concen: 43.902 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000660.D
Acq: 12 Nov 2019 17:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02588

Tgt Ion: 43 Resp: 181545
Ion Ratio Lower Upper
43 100
58 53.8 44.1 66.1
57 17.3 13.9 20.9
100 11.7 9.5 14.3

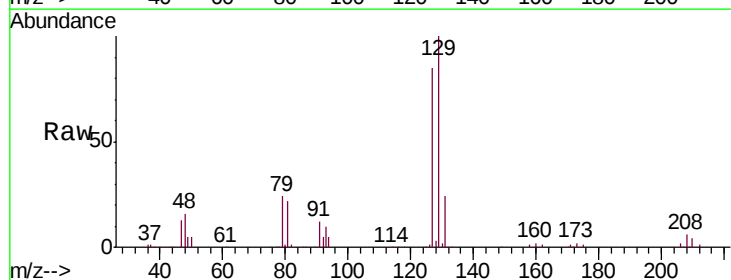


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0
Ion 57.00 (56.70 to 57.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

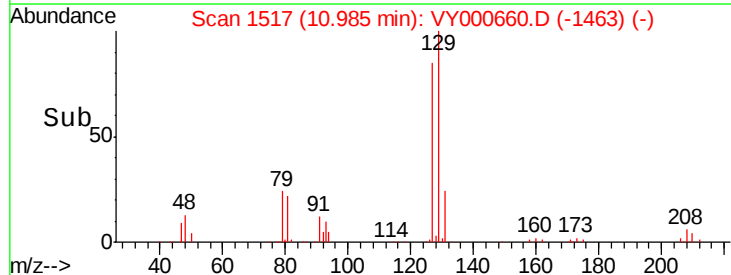
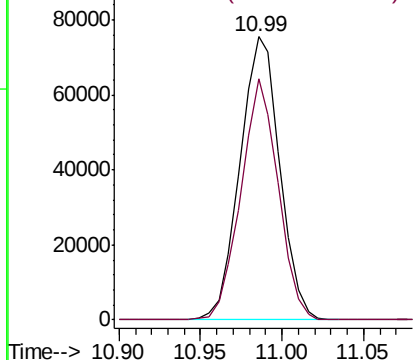


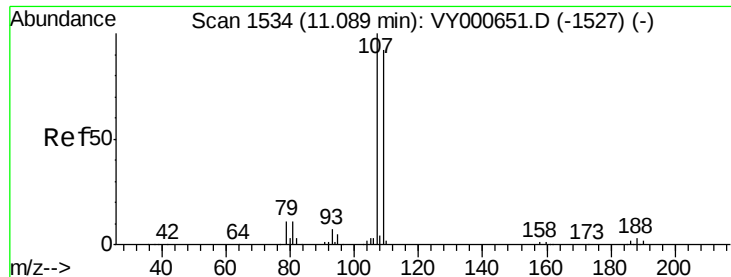
#50
Dibromochloromethane
Concen: 24.836 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000660.D
Acq: 12 Nov 2019 17:31

Tgt Ion: 129 Resp: 127776
Ion Ratio Lower Upper
129 100
127 85.3 57.9 107.5



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

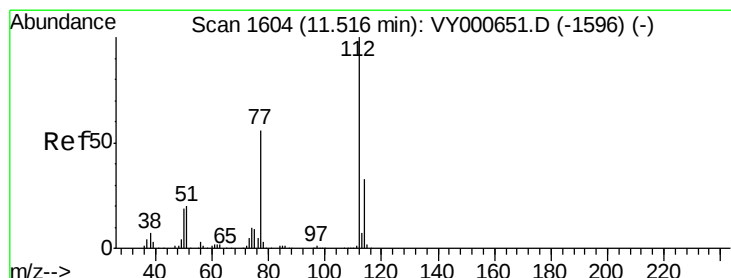
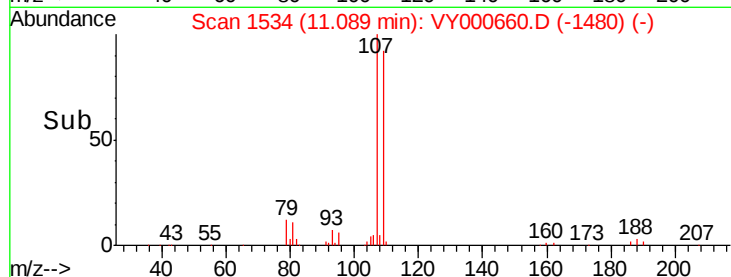
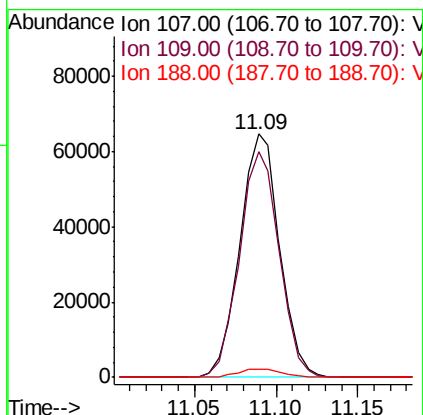
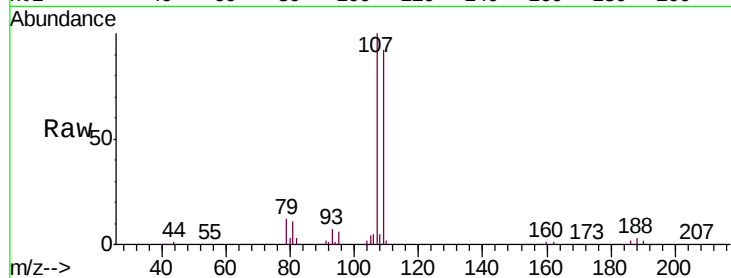




#51
 1,2-Dibromoethane
 Concen: 24.681 ug/L
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY000660.D
 Acq: 12 Nov 2019 17:31

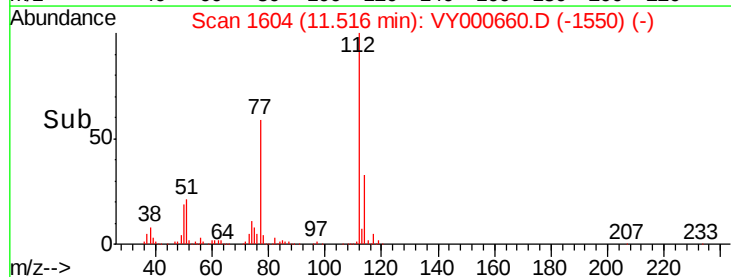
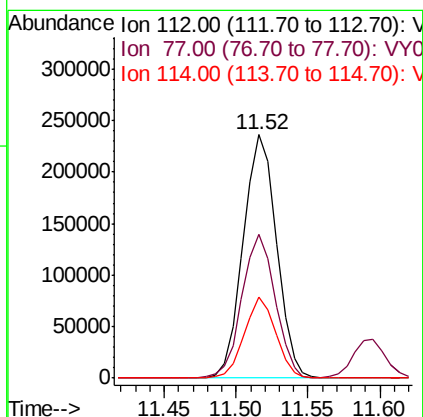
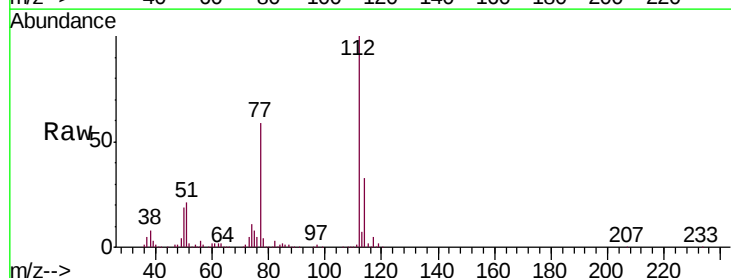
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02588

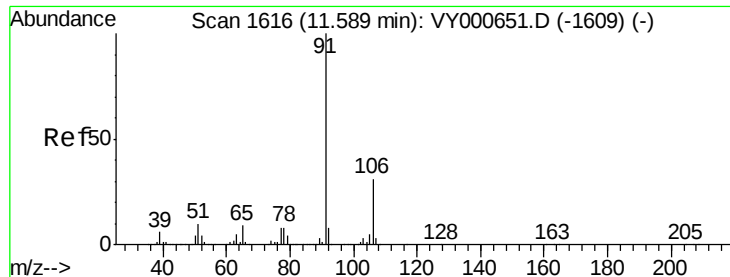
Tgt Ion:107 Resp: 109364
 Ion Ratio Lower Upper
 107 100
 109 92.5 65.5 121.6
 188 3.1 2.7 4.1



#52
 Chlorobenzene
 Concen: 25.164 ug/L
 RT: 11.52 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VY000660.D
 Acq: 12 Nov 2019 17:31

Tgt Ion:112 Resp: 378169
 Ion Ratio Lower Upper
 112 100
 77 59.2 47.4 71.0
 114 33.3 23.0 42.6





#53

Ethylbenzene

Concen: 25.405 ug/L

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY000660.D

Acq: 12 Nov 2019 17:31

Instrument :

MSVOA_Y

ClientSampleId :

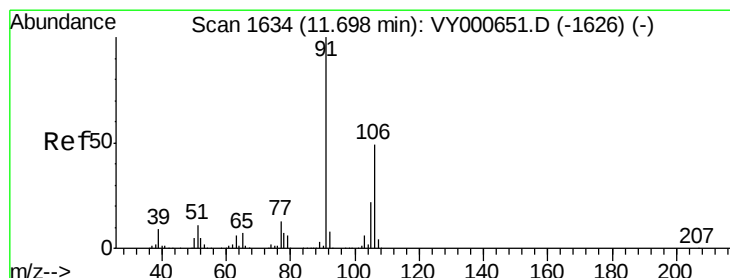
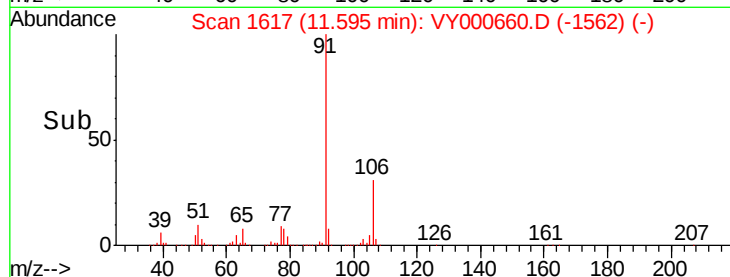
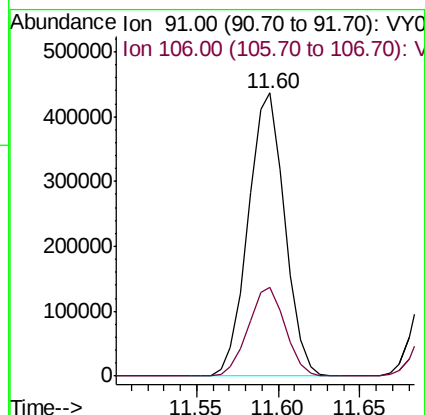
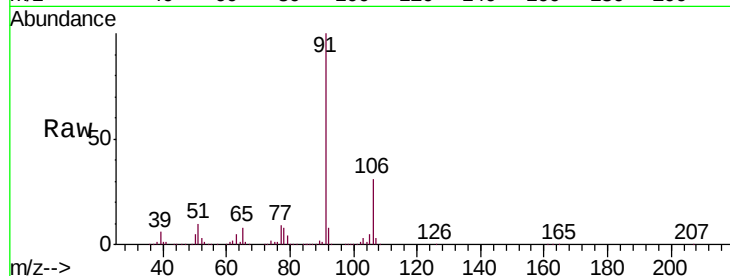
VSTD02588

Tgt Ion: 91 Resp: 680610

Ion Ratio Lower Upper

91 100

106 31.5 20.9 38.7



#54

m,p-Xylene

Concen: 25.624 ug/L

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY000660.D

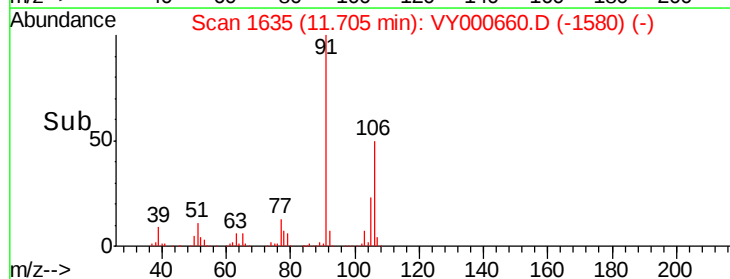
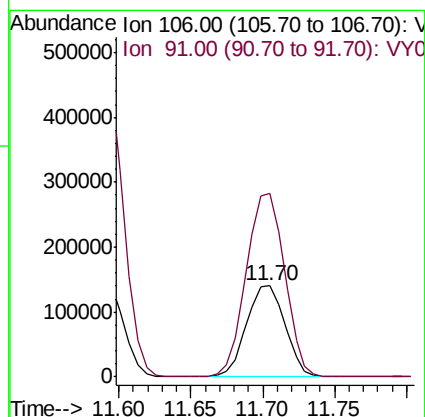
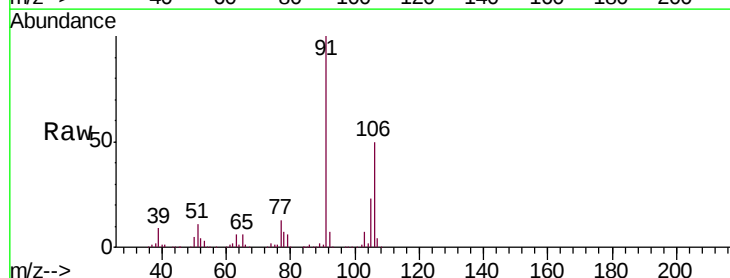
Acq: 12 Nov 2019 17:31

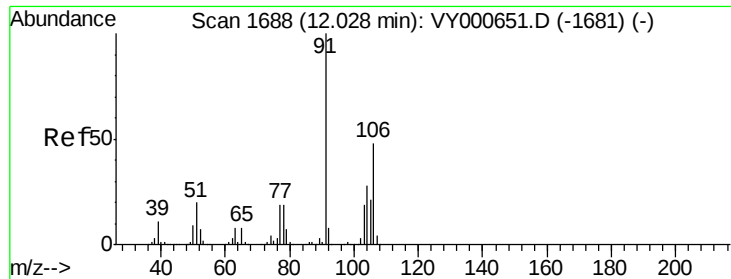
Tgt Ion: 106 Resp: 259794

Ion Ratio Lower Upper

106 100

91 201.3 137.4 255.2





#55

o-xylene

Concen: 24.897 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY000660.D

Acq: 12 Nov 2019 17:31

Instrument :

MSVOA_Y

ClientSampleId :

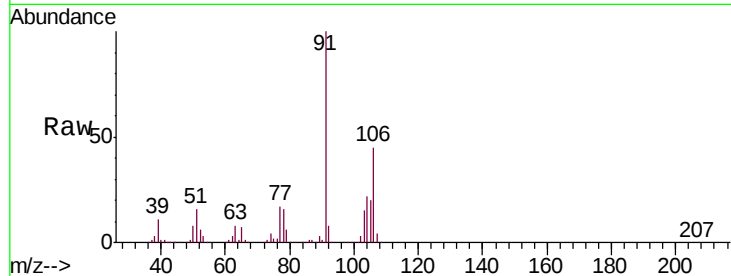
VSTD02588

Tgt Ion:106 Resp: 247761

Ion Ratio Lower Upper

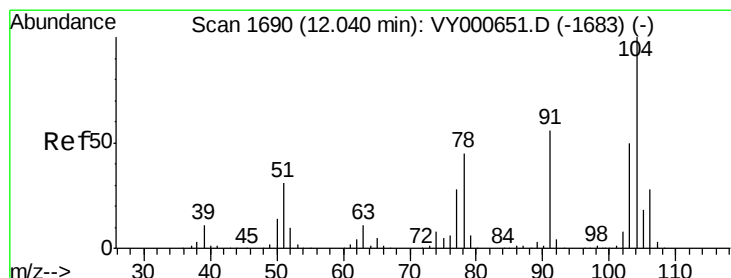
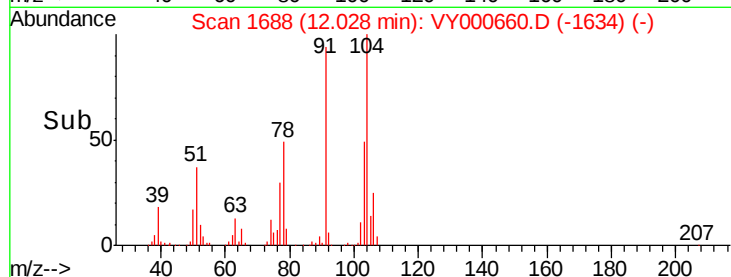
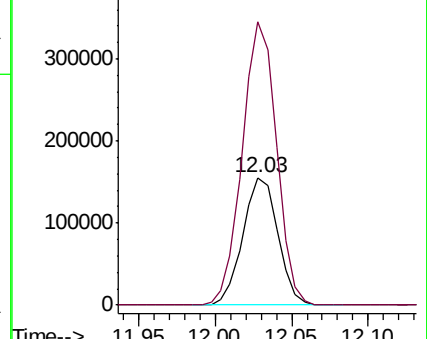
106 100

91 221.6 147.8 274.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 25.858 ug/L

RT: 12.05 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VY000660.D

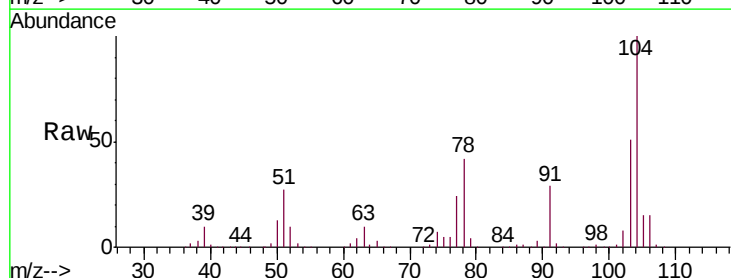
Acq: 12 Nov 2019 17:31

Tgt Ion:104 Resp: 427543

Ion Ratio Lower Upper

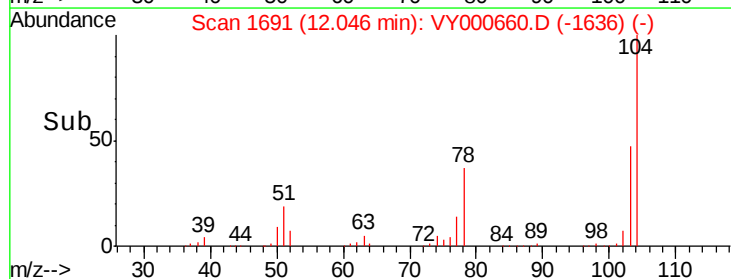
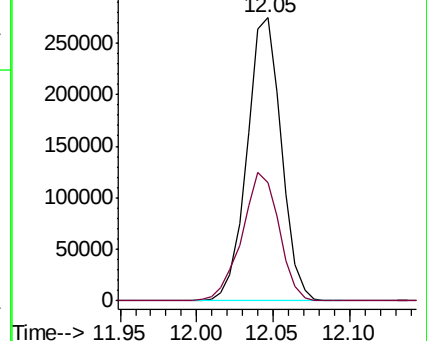
104 100

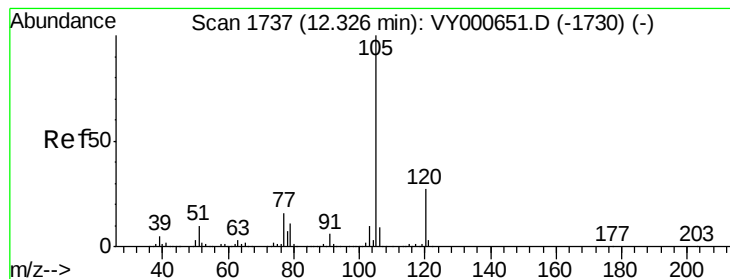
78 41.8 31.5 58.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 26.125 ug/L

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY000660.D

Acq: 12 Nov 2019 17:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02588

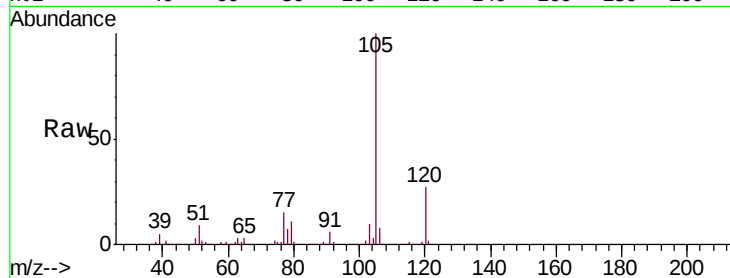
Tgt Ion: 105 Resp: 676401

Ion Ratio Lower Upper

105 100

120 27.0 21.5 32.3

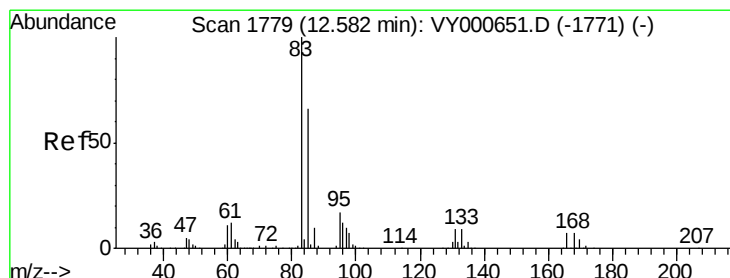
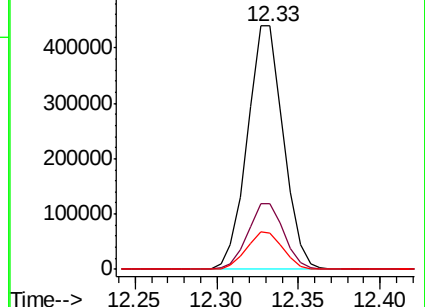
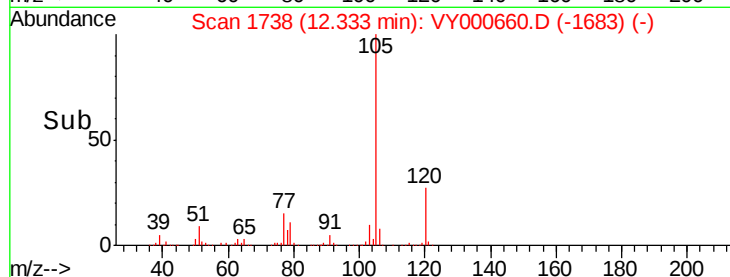
77 15.5 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): VY000660.D (-1683) (-)

Ion 120.00 (119.70 to 120.70): VY000660.D (-1683) (-)

Ion 77.00 (76.70 to 77.70): VY000660.D (-1683) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 24.320 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000660.D

Acq: 12 Nov 2019 17:31

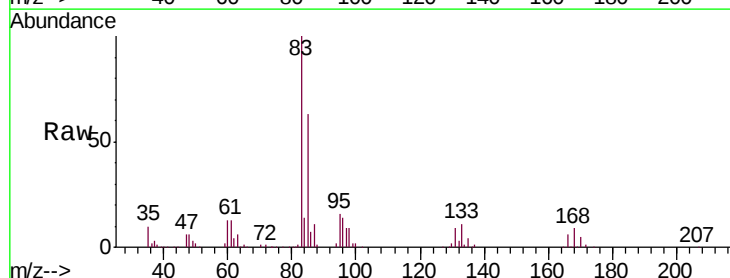
Tgt Ion: 83 Resp: 138168

Ion Ratio Lower Upper

83 100

85 63.1 45.0 83.6

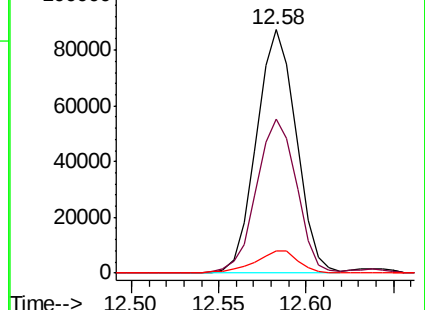
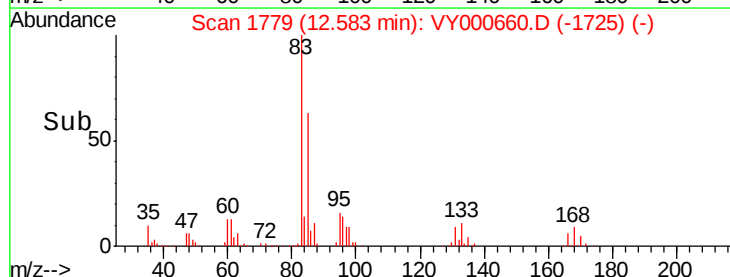
131 9.3 7.8 11.6

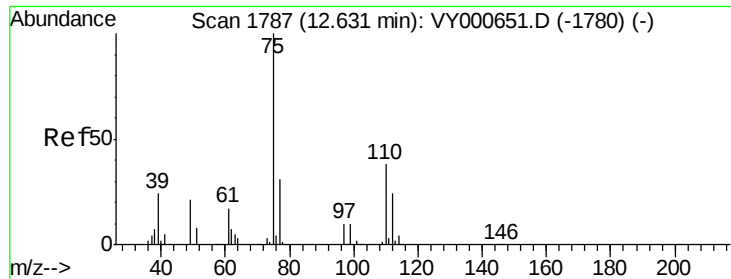


Abundance Ion 83.00 (82.70 to 83.70): VY000660.D (-1725) (-)

Ion 85.00 (84.70 to 85.70): VY000660.D (-1725) (-)

Ion 131.00 (130.70 to 131.70): VY000660.D (-1725) (-)





#59

1,2,3-Trichloropropane

Concen: 23.070 ug/L

RT: 12.64 min Scan# 1788

Delta R.T. 0.01 min

Lab File: VY000660.D

Acq: 12 Nov 2019 17:31

Instrument :

MSVOA_Y

ClientSampleId :

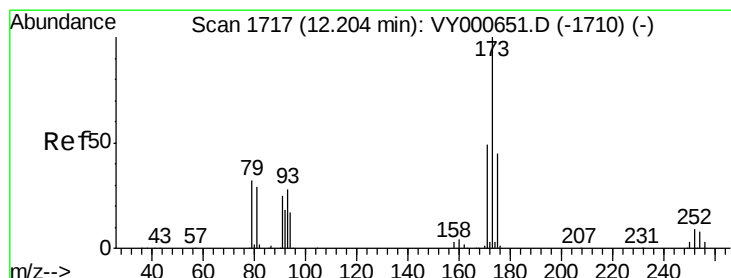
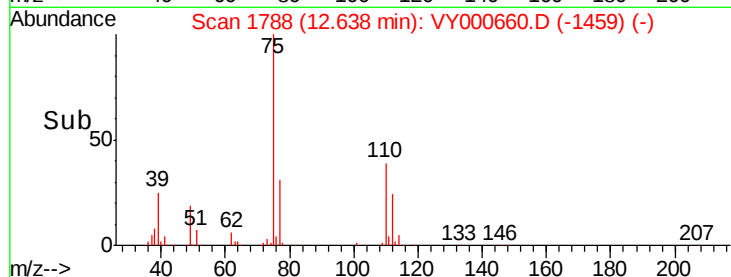
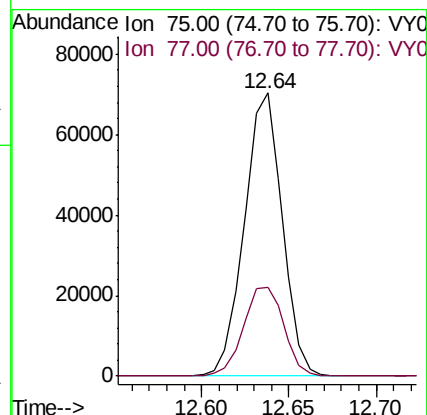
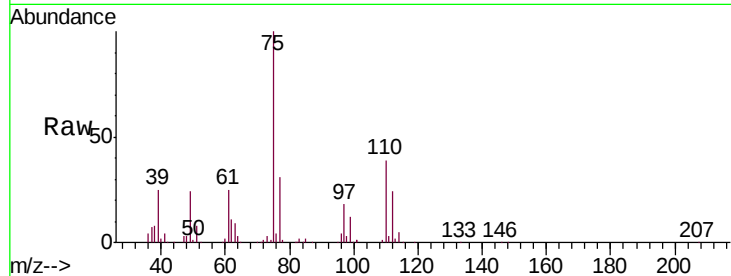
VSTD02588

Tgt Ion: 75 Resp: 106579

Ion Ratio Lower Upper

75 100

77 33.4 26.4 39.6



#62

Bromoform

Concen: 24.446 ug/L

RT: 12.21 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VY000660.D

Acq: 12 Nov 2019 17:31

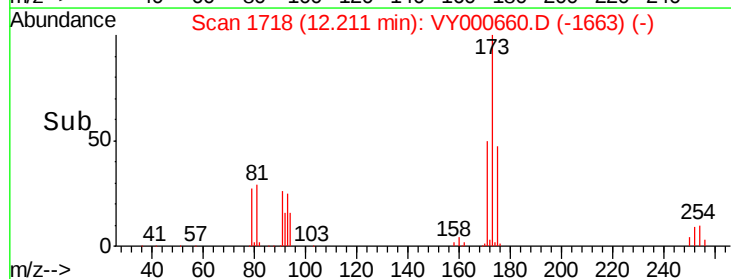
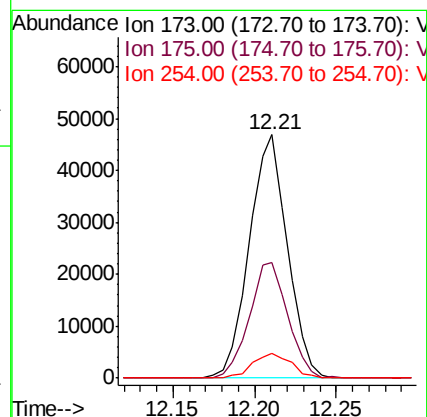
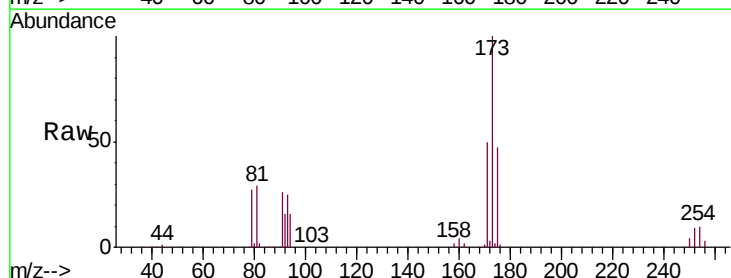
Tgt Ion: 173 Resp: 76067

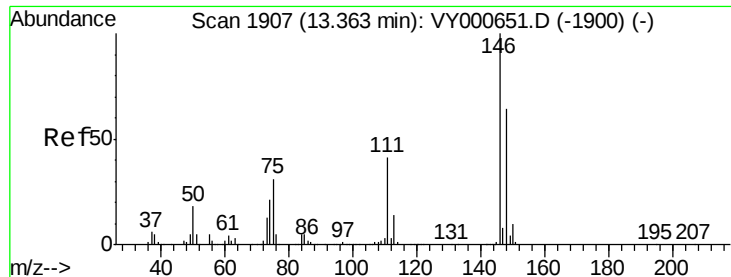
Ion Ratio Lower Upper

173 100

175 47.9 37.8 56.6

254 10.2 7.7 11.5

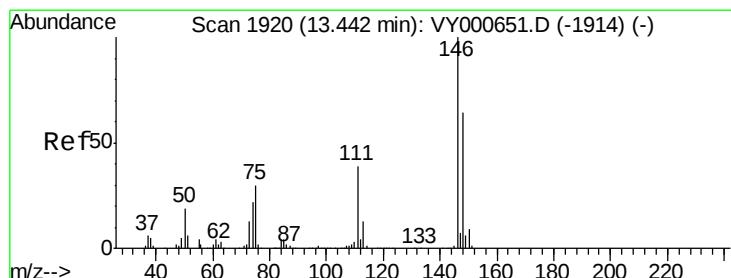
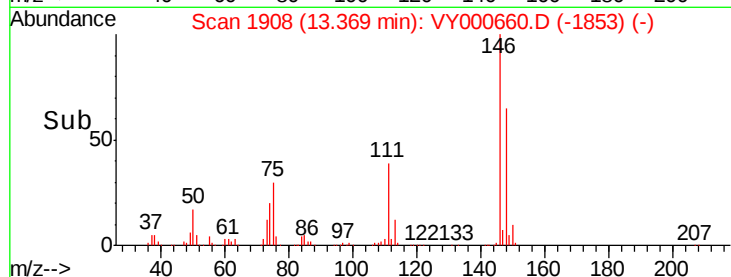
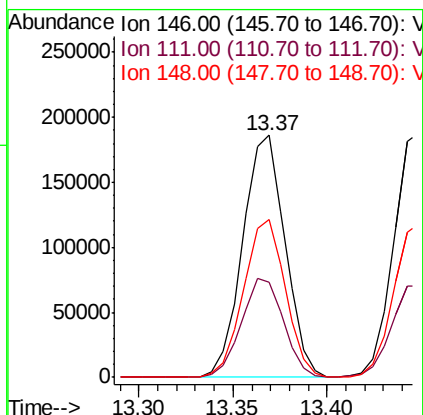
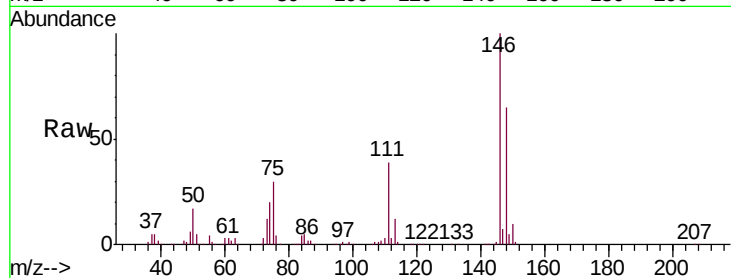




#63
 1,3-Dichlorobenzene
 Concen: 24.832 ug/L
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY000660.D
 Acq: 12 Nov 2019 17:31

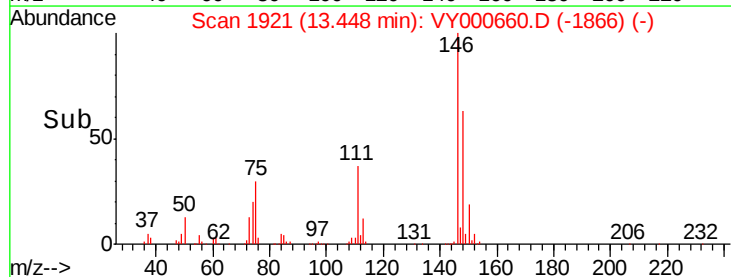
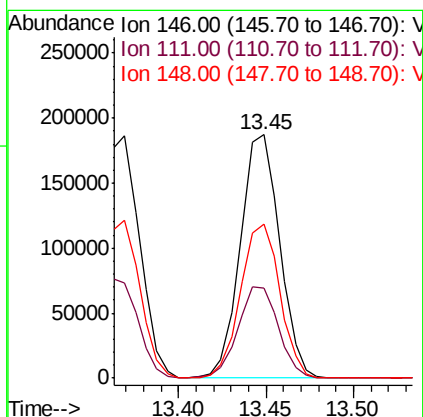
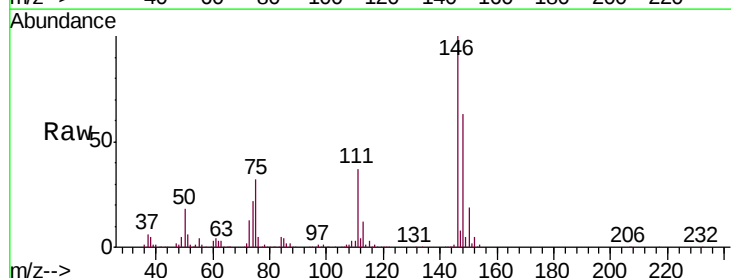
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02588

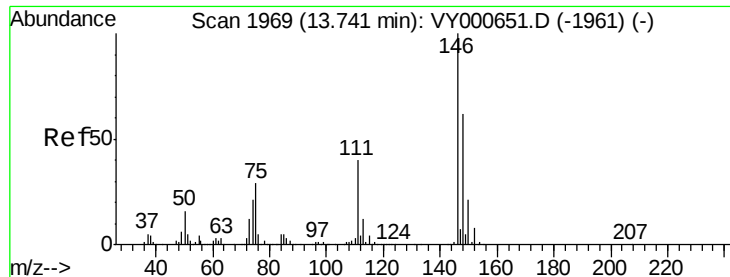
Tgt Ion:146 Resp: 290164
 Ion Ratio Lower Upper
 146 100
 111 39.5 28.8 53.6
 148 65.3 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 25.098 ug/L
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY000660.D
 Acq: 12 Nov 2019 17:31

Tgt Ion:146 Resp: 293162
 Ion Ratio Lower Upper
 146 100
 111 37.1 26.7 49.5
 148 63.2 45.2 84.0

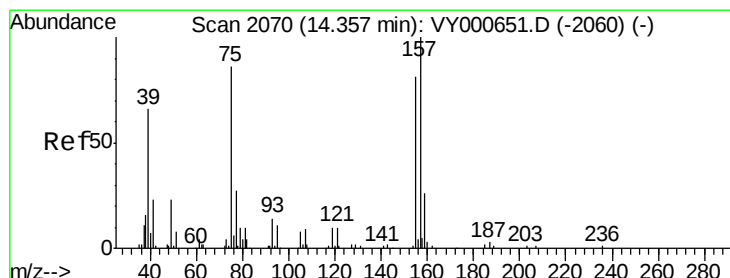
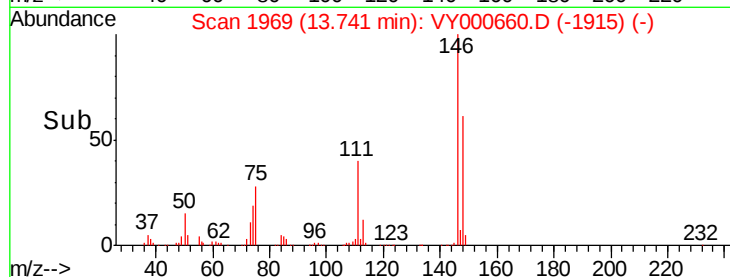
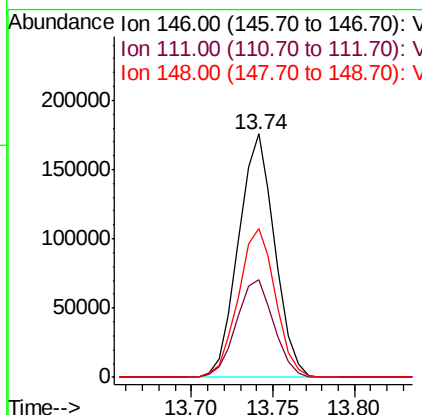
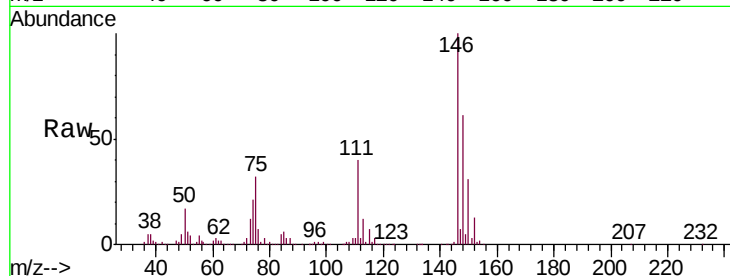




#65
 1,2-Dichlorobenzene
 Concen: 25.098 ug/L
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VY000660.D
 Acq: 12 Nov 2019 17:31

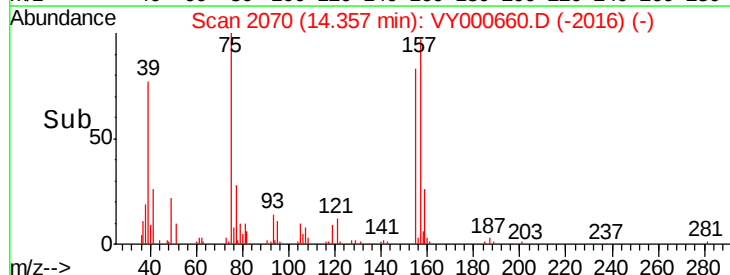
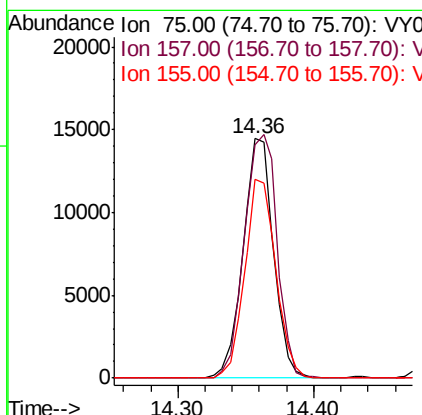
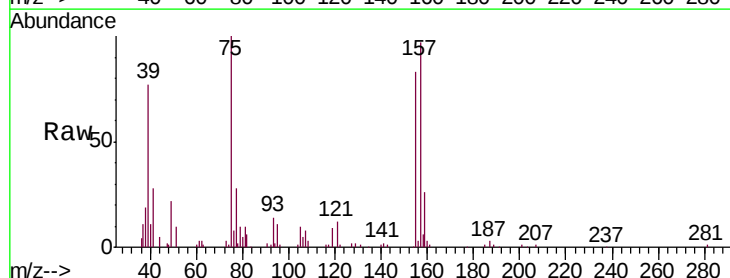
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02588

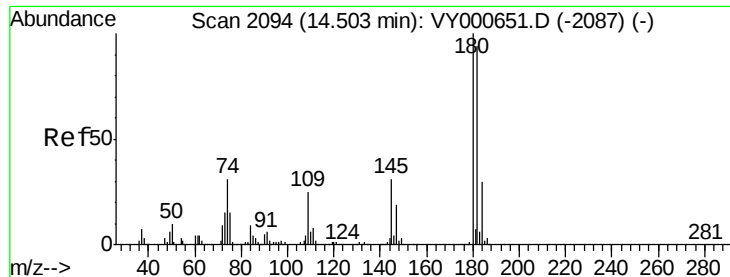
Tgt Ion: 146 Resp: 271625
 Ion Ratio Lower Upper
 146 100
 111 40.3 33.8 50.8
 148 61.1 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.952 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000660.D
 Acq: 12 Nov 2019 17:31

Tgt Ion: 75 Resp: 22573
 Ion Ratio Lower Upper
 75 100
 157 97.3 78.1 117.1
 155 82.8 64.2 96.4

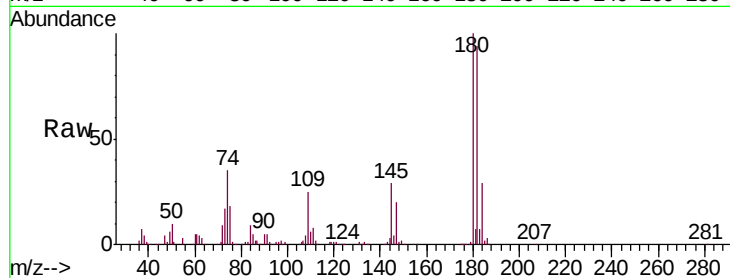




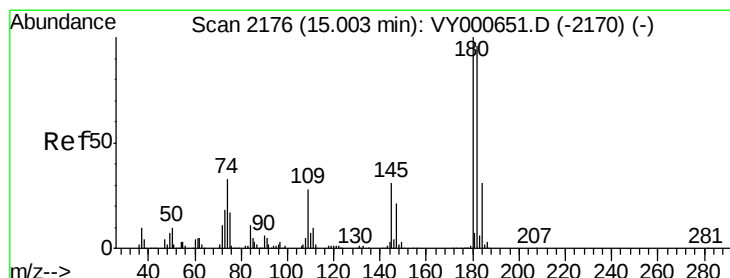
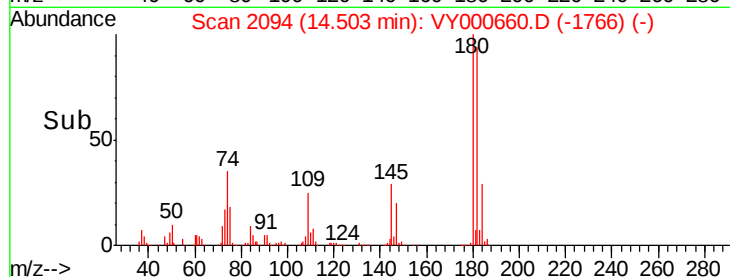
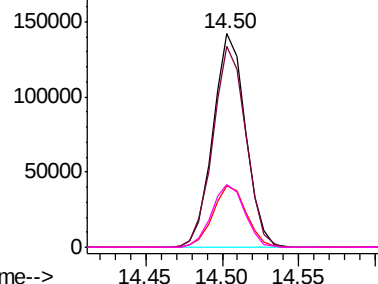
#67
 1,3,5-Trichlorobenzene
 Concen: 25.709 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY000660.D
 Acq: 12 Nov 2019 17:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02588

Tgt Ion:	180	Resp:	209451
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.6	113.4
184	29.6	24.5	36.7
145	29.9	25.1	37.7

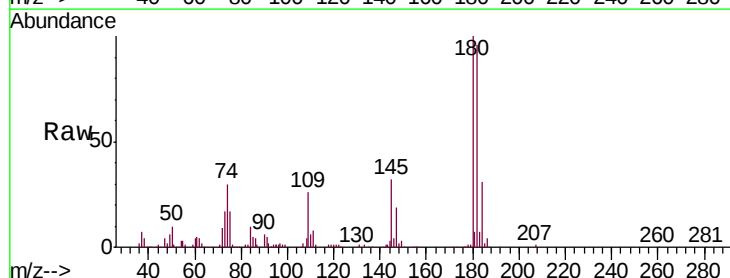


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

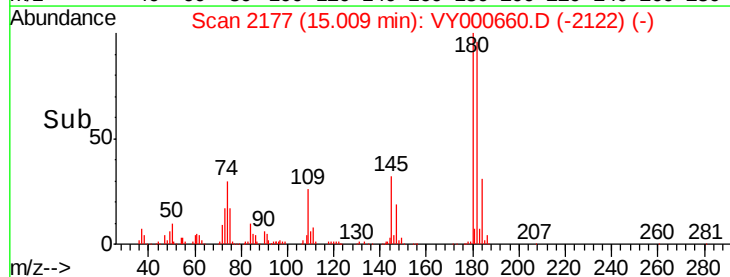
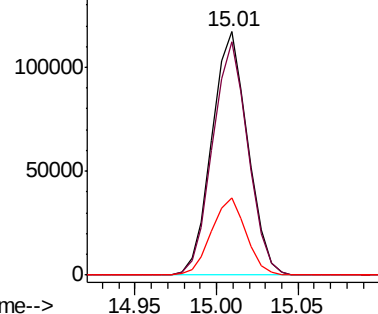


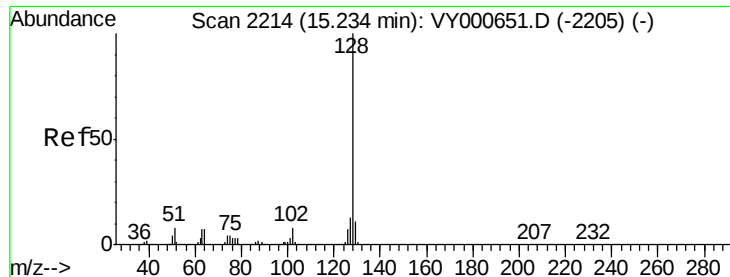
#68
 1,2,4-trichlorobenzene
 Concen: 24.701 ug/L
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000660.D
 Acq: 12 Nov 2019 17:31

Tgt Ion:	180	Resp:	179846
Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.5	116.3
145	30.8	25.4	38.2



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





#69

Naphthalene

Concen: 23.030 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000660.D

Acq: 12 Nov 2019 17:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02588

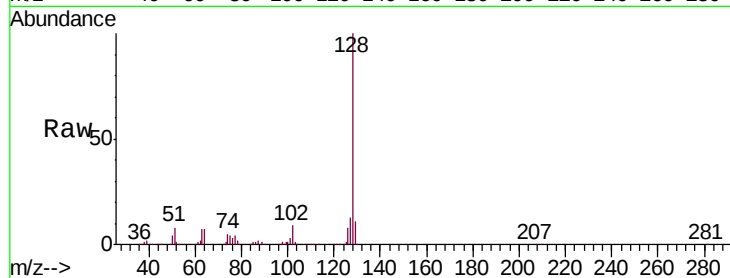
Tgt Ion:128 Resp: 417868

Ion Ratio Lower Upper

128 100

129 10.6 8.4 12.6

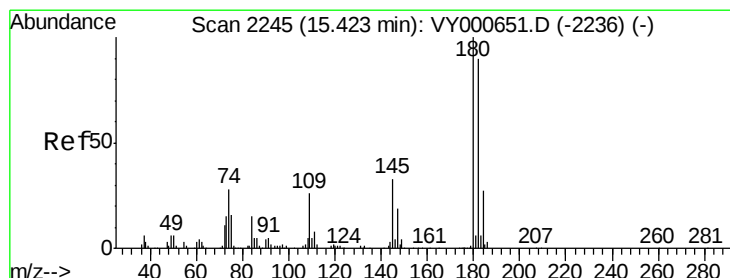
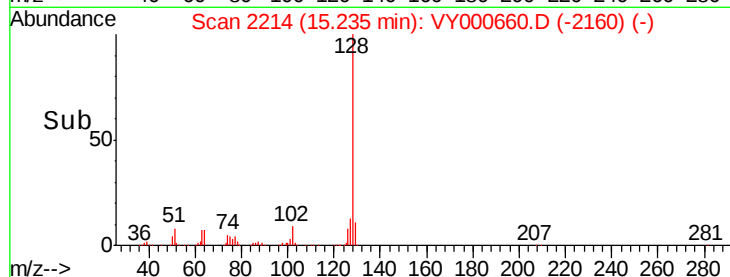
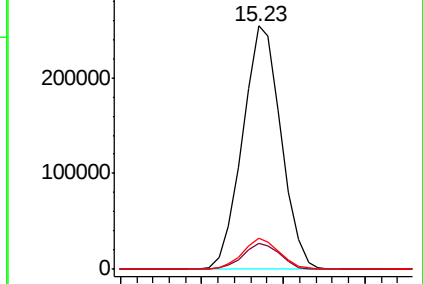
127 12.3 9.8 14.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 24.141 ug/L

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY000660.D

Acq: 12 Nov 2019 17:31

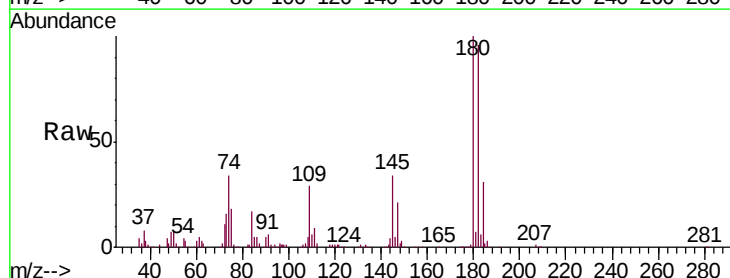
Tgt Ion:180 Resp: 163435

Ion Ratio Lower Upper

180 100

182 94.4 76.2 114.4

145 33.1 26.6 39.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

