

Data File : VY000644.D
Acq On : 12 Nov 2019 09:49
Operator : SY/MD
Sample : VSTD00579
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD00579

Quant Time: Nov 13 01:28:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 01:25:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	379730	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	343855	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	163640	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	26987	5.03	ug/L	0.00
7) Chloroethane-d5	2.76	69	24827	5.21	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	52015	5.25	ug/L	0.00
20) 2-Butanone-d5	6.91	46	20336	9.19	ug/L	0.00
24) Chloroform-d	7.49	84	52279	5.25	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	30091	5.21	ug/L	0.00
29) Benzene-d6	8.12	84	106608	5.34	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.13	67	33081	5.29	ug/L	0.00
37) Toluene-d8	10.18	98	99675	5.34	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	15084	5.17	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	14894	8.81	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	30127	4.95	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	36529	5.58	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	28850	5.749 ug/L	95
3) Chloromethane	2.12	50	31724	5.043 ug/L	98
5) Vinyl chloride	2.25	62	32182	5.126 ug/L	97
6) Bromomethane	2.65	94	16920	4.936 ug/L	91
8) Chloroethane	2.79	64	20309	5.159 ug/L	90
9) Trichlorofluoromethane	3.12	101	46549	5.235 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	25841	5.124 ug/L	95
12) 1,1-Dichloroethene	3.87	96	13664	2.776 ug/L	90
13) Acetone	3.96	43	16526	10.081 ug/L	96
14) Carbon disulfide	4.20	76	74412	4.899 ug/L	99
15) Methyl Acetate	4.49	43	18608	5.017 ug/L	96
16) Methylene chloride	4.72	84	31869	5.084 ug/L	96
17) Methyl tert-butyl Ether	5.22	73	73175	4.885 ug/L #	89
18) trans-1,2-Dichloroethene	5.23	96	29036	5.281 ug/L	92
19) 1,1-Dichloroethane	6.04	63	49069	5.071 ug/L	94
21) 2-Butanone	7.00	43	29101	10.203 ug/L	98
22) cis-1,2-Dichloroethene	7.00	96	29922	4.920 ug/L	93
23) Bromochloromethane	7.35	128	13571	5.111 ug/L	86
25) Chloroform	7.52	83	54046	5.182 ug/L	98
27) 1,2-Dichloroethane	8.25	62	35193	5.048 ug/L	99
30) Cyclohexane	7.79	56	46654	4.972 ug/L	97
31) 1,1,1-Trichloroethane	7.71	97	43136	5.092 ug/L	99
32) Carbon tetrachloride	7.91	117	37212	5.040 ug/L	96
34) Benzene	8.17	78	115382	5.132 ug/L	100
35) Trichloroethene	8.94	95	30233	5.129 ug/L	96
36) Methylcyclohexane	9.19	83	52565	5.210 ug/L	97
40) 1,2-Dichloropropane	9.22	63	29293	5.142 ug/L #	96
41) Bromodichloromethane	9.50	83	36916	5.036 ug/L	92
42) cis-1,3-Dichloropropene	9.93	75	45188	4.924 ug/L	97
43) 4-Methyl-2-pentanone	10.07	43	50520	9.272 ug/L	97

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Quant Title : VOC Analysis
QLast Update : Wed Nov 13 01:25:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.25	91	122227	5.029	ug/L	91
45) trans-1,3-Dichloropropene	10.47	75	38298	4.857	ug/L	88
46) 1,1,2-Trichloroethane	10.65	97	24486	5.240	ug/L	89
47) Tetrachloroethene	10.72	164	23902	5.430	ug/L	95
49) 2-Hexanone	10.83	43	41584	9.799	ug/L	97
50) Dibromochloromethane	10.99	129	25057	4.746	ug/L	96
51) 1,2-Dibromoethane	11.09	107	22718	4.996	ug/L #	97
52) Chlorobenzene	11.52	112	78597	5.096	ug/L	97
53) Ethylbenzene	11.59	91	134862	4.905	ug/L	95
54) m,p-Xylene	11.70	106	51612	4.960	ug/L	91
55) o-xylene	12.03	106	50272	4.922	ug/L	94
56) Styrene	12.05	104	79604	4.691	ug/L	95
57) Isopropylbenzene	12.33	105	130335	4.905	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	27443	4.707	ug/L	89
59) 1,2,3-Trichloropropane	12.63	75	22726	4.793	ug/L	100
62) Bromoform	12.20	173	15017	4.832	ug/L	96
63) 1,3-Dichlorobenzene	13.36	146	57791	4.951	ug/L	93
64) 1,4-Dichlorobenzene	13.44	146	60826	5.213	ug/L	97
65) 1,2-Dichlorobenzene	13.74	146	55873	5.169	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.36	75	4897	4.768	ug/L	93
67) 1,3,5-Trichlorobenzene	14.50	180	42888	5.270	ug/L	98
68) 1,2,4-trichlorobenzene	15.00	180	38268	5.262	ug/L	96
69) Naphthalene	15.23	128	88231	4.868	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	35017	5.178	ug/L	99

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

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Instrument :
MSVOA_Y
ClientSampleId :
VSTD00579

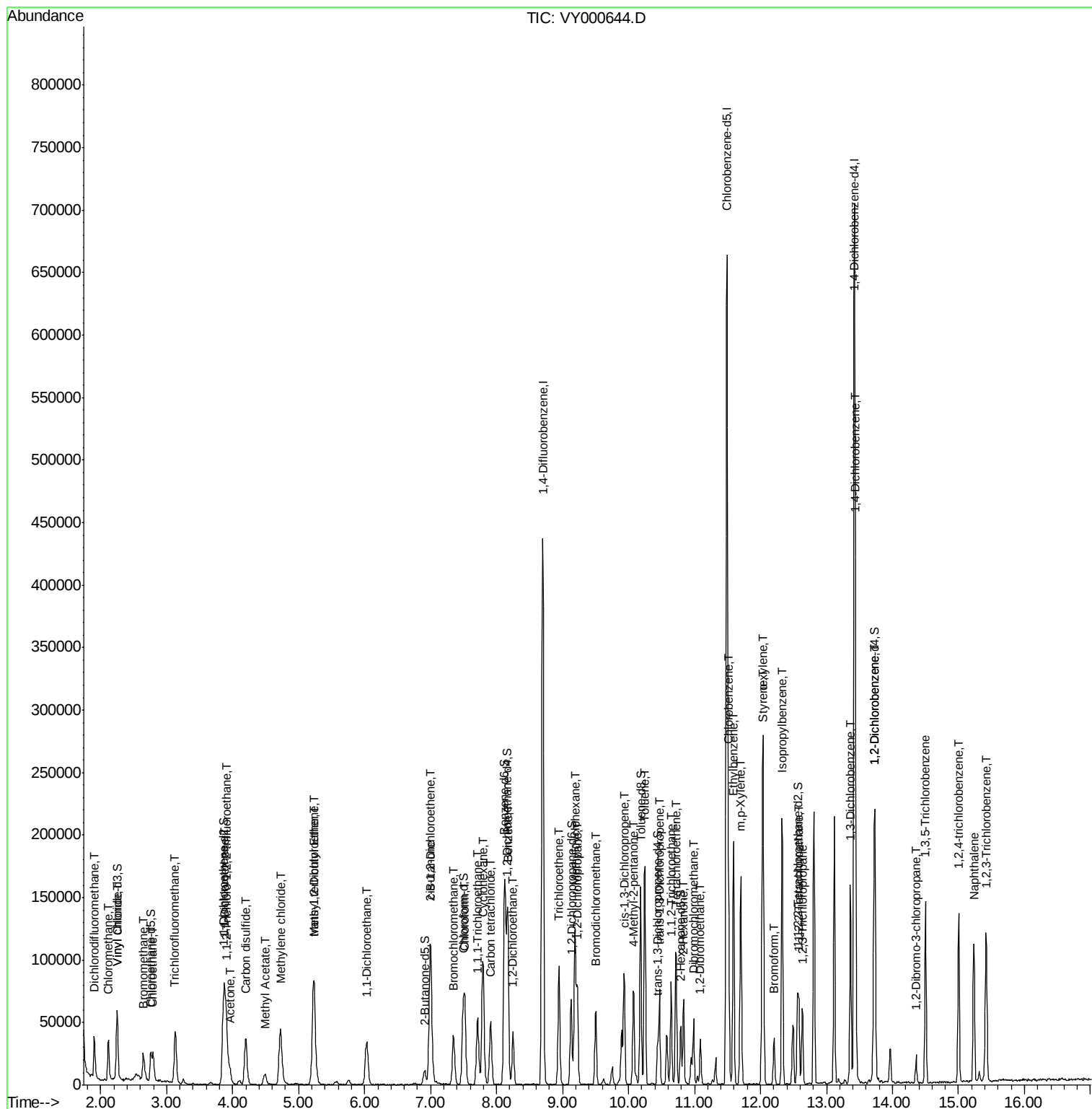
Quant Time: Nov 13 01:28:43 2019

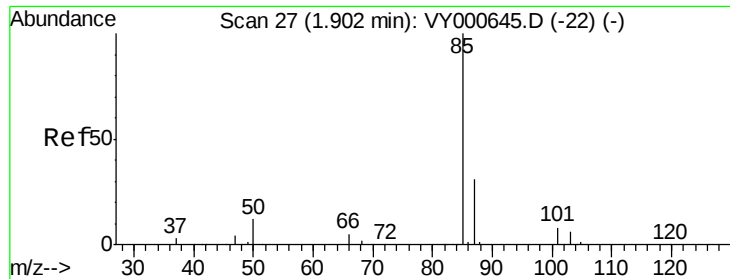
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_Y\METHODS\S0M2YLM111219S.M

Quant Title : VOC Analysis

QLast Update : Wed Nov 13 01:25:53 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.749 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000644.D

Acq: 12 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

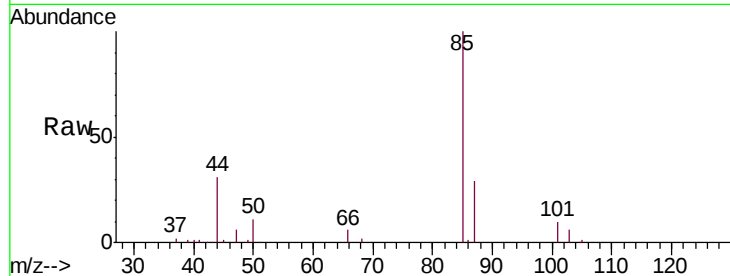
VSTD00579

Tgt Ion: 85 Resp: 28850

Ion Ratio Lower Upper

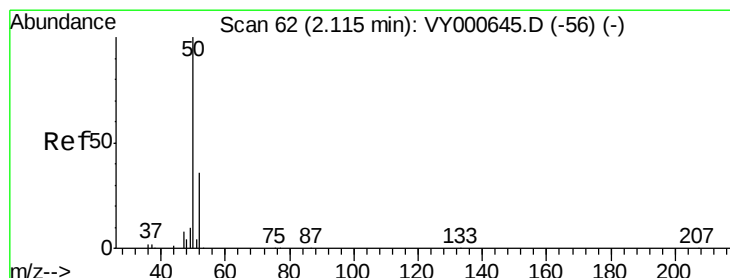
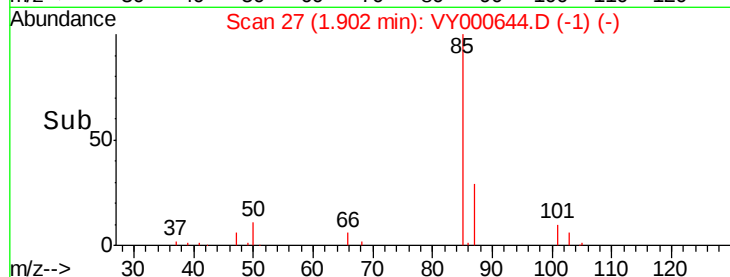
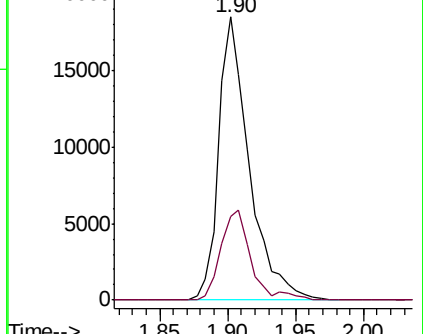
85 100

87 29.4 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: 5.043 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000644.D

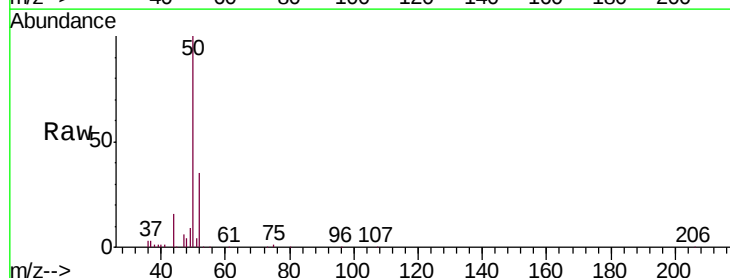
Acq: 12 Nov 2019 09:49

Tgt Ion: 50 Resp: 31724

Ion Ratio Lower Upper

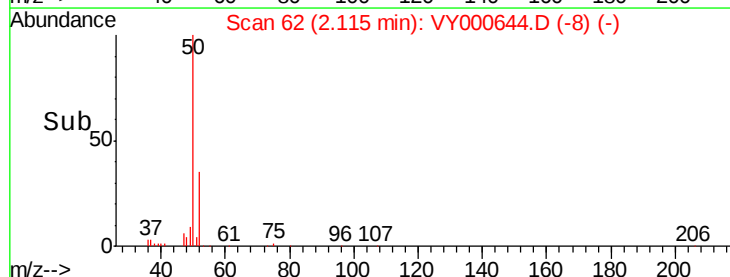
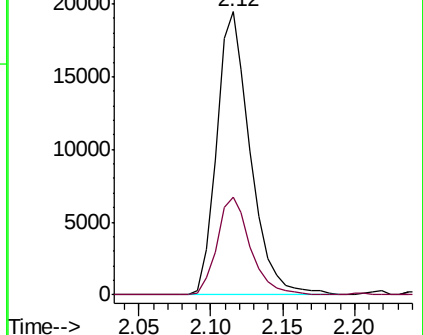
50 100

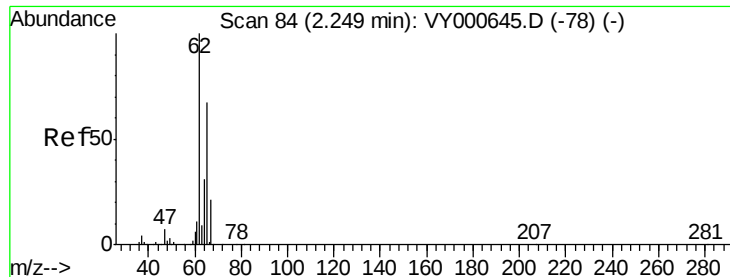
52 34.5 24.9 46.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 5.126 ug/L

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000644.D

Acq: 12 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

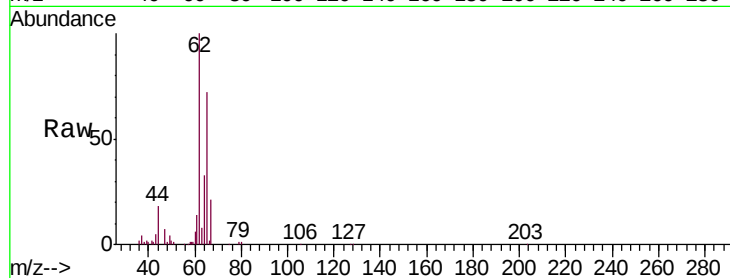
VSTD00579

Tgt Ion: 62 Resp: 32182

Ion Ratio Lower Upper

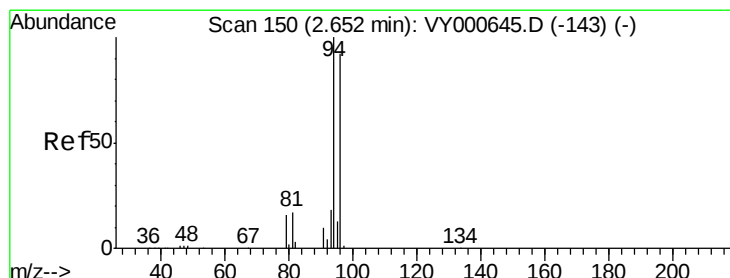
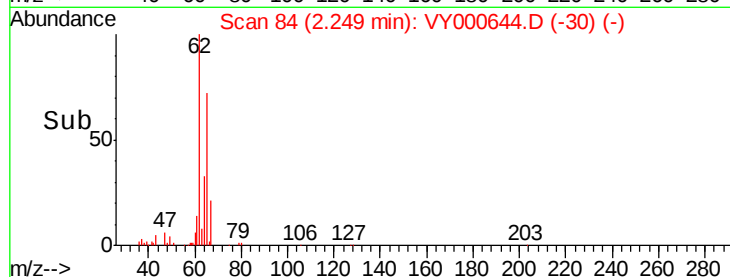
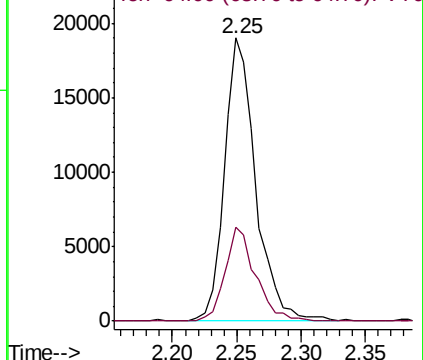
62 100

64 33.0 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: 4.936 ug/L

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY000644.D

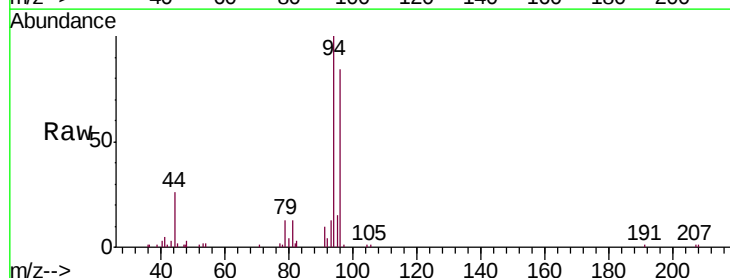
Acq: 12 Nov 2019 09:49

Tgt Ion: 94 Resp: 16920

Ion Ratio Lower Upper

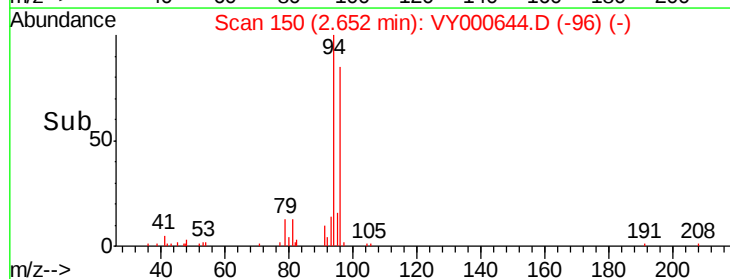
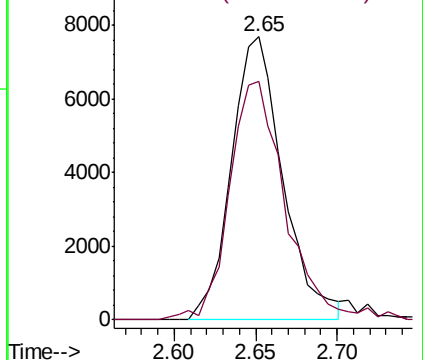
94 100

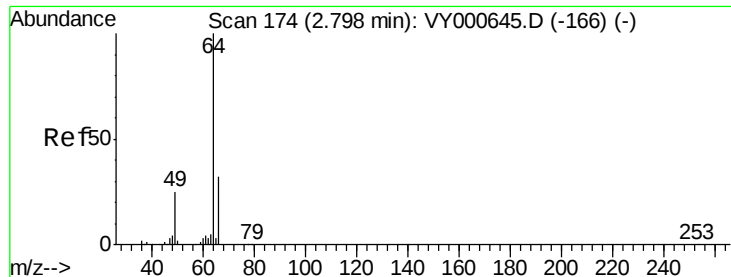
96 88.7 9.8 185.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 5.159 ug/L

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY000644.D

Acq: 12 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

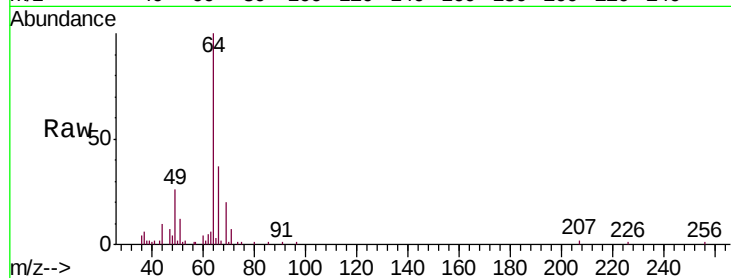
VSTD00579

Tgt Ion: 64 Resp: 20309

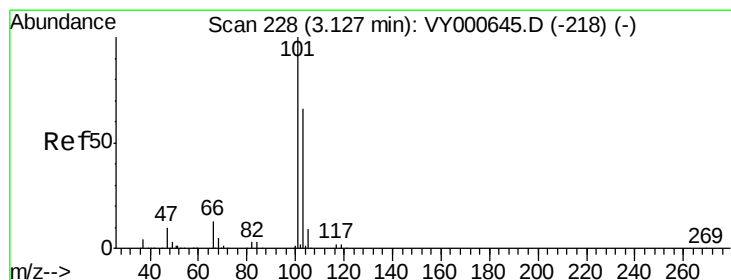
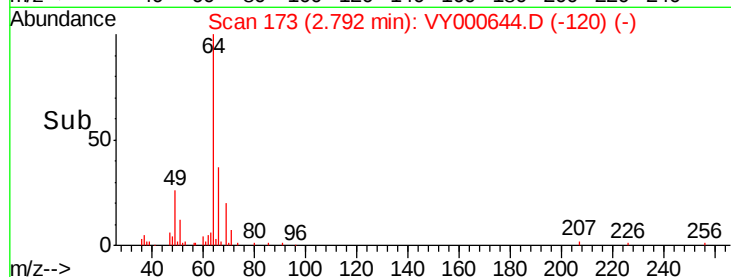
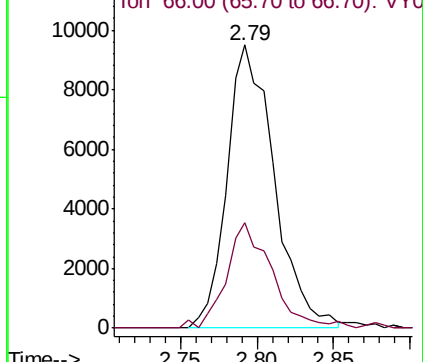
Ion Ratio Lower Upper

64 100

66 37.4 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VY000645.D (-166) (-)



#9

Trichlorofluoromethane

Concen: 5.235 ug/L

RT: 3.12 min Scan# 227

Delta R.T. -0.01 min

Lab File: VY000644.D

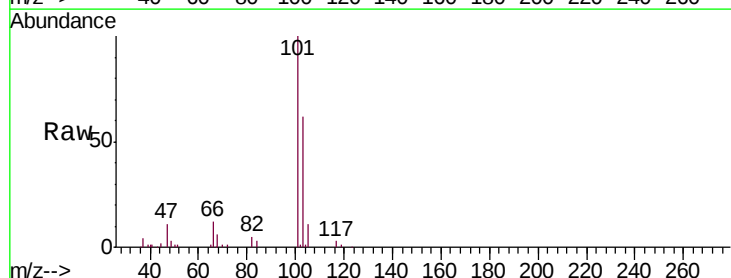
Acq: 12 Nov 2019 09:49

Tgt Ion: 101 Resp: 46549

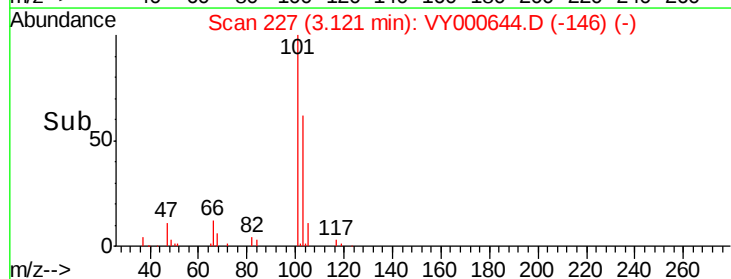
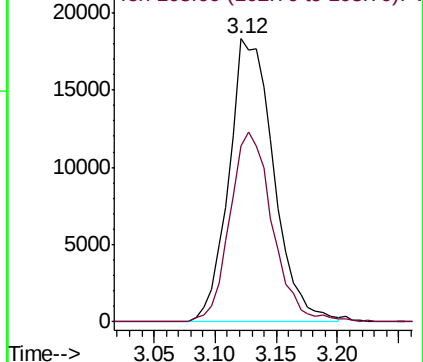
Ion Ratio Lower Upper

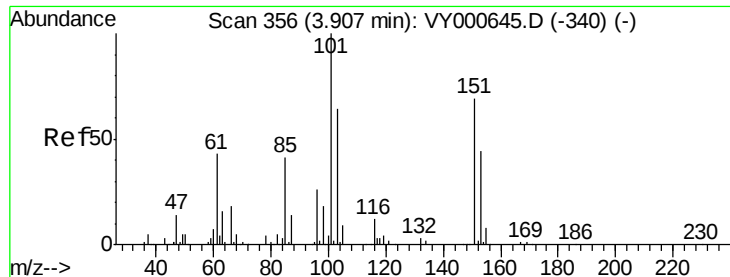
101 100

103 63.8 45.8 85.0



Abundance Ion 101.00 (100.70 to 101.70): VY000645.D (-218) (-)





#11

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

Concen: 5.124 ug/L

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY000644.D

Acq: 12 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00579

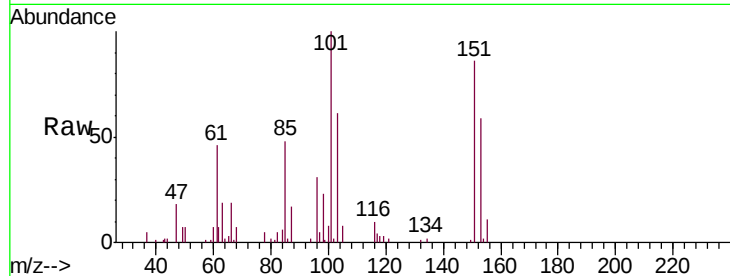
Tgt Ion: 101 Resp: 25841

Ion Ratio Lower Upper

101 100

85 46.5 35.3 52.9

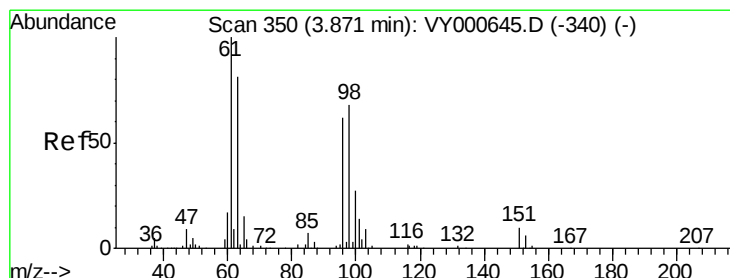
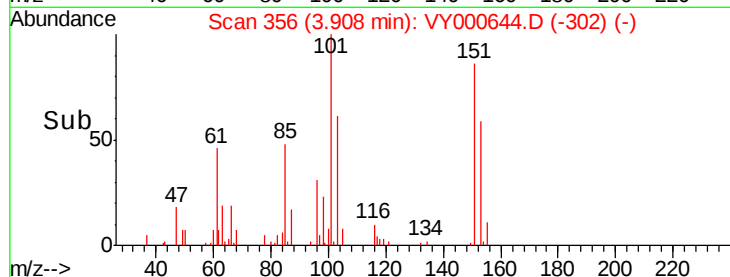
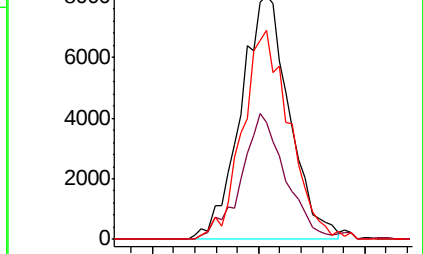
151 82.8 61.9 92.9



Abundance Ion 101.00 (100.70 to 101.70): VY000645.D (-340) (-)

Ion 85.00 (84.70 to 85.70): VY000645.D (-340) (-)

Ion 151.00 (150.70 to 151.70): VY000645.D (-340) (-)



#12

1,1-Dichloroethene

Concen: 2.776 ug/L

RT: 3.87 min Scan# 350

Delta R.T. 0.00 min

Lab File: VY000644.D

Acq: 12 Nov 2019 09:49

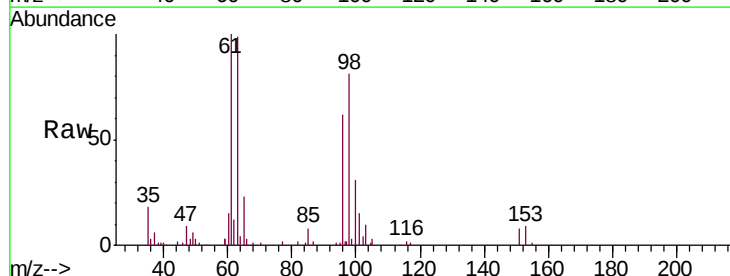
Tgt Ion: 96 Resp: 13664

Ion Ratio Lower Upper

96 100

61 160.1 113.5 210.9

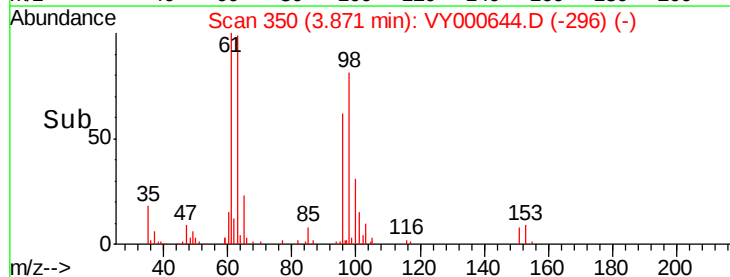
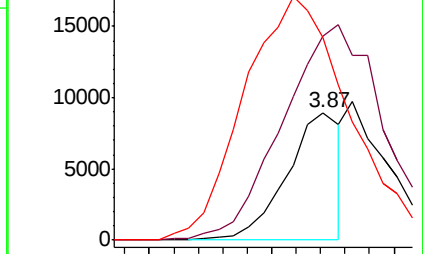
63 158.7 94.3 175.1

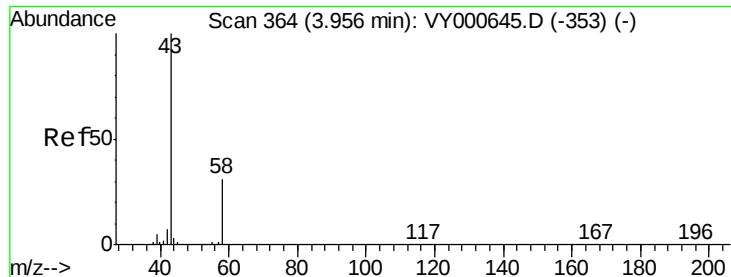


Abundance Ion 96.00 (95.70 to 96.70): VY000645.D (-340) (-)

Ion 61.00 (60.70 to 61.70): VY000645.D (-340) (-)

Ion 63.00 (62.70 to 63.70): VY000645.D (-340) (-)





#13

Acetone

Concen: 10.081 ug/L

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000644.D

Acq: 12 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

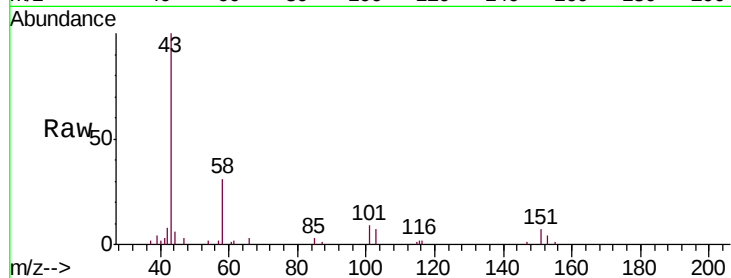
VSTD00579

Tgt Ion: 43 Resp: 16526

Ion Ratio Lower Upper

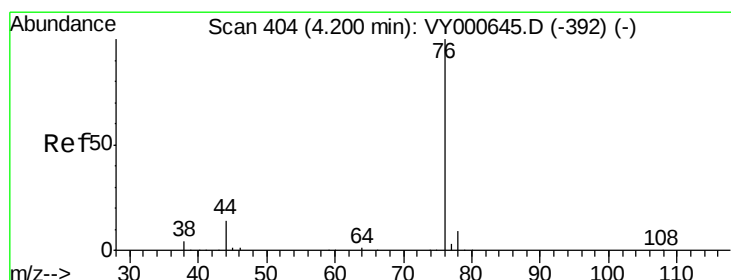
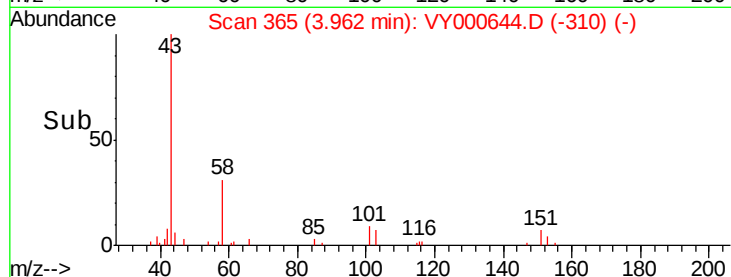
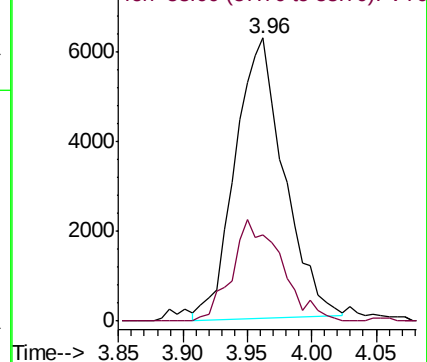
43 100

58 34.7 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 4.899 ug/L

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY000644.D

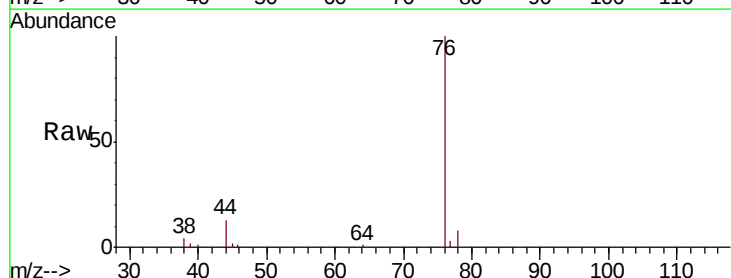
Acq: 12 Nov 2019 09:49

Tgt Ion: 76 Resp: 74412

Ion Ratio Lower Upper

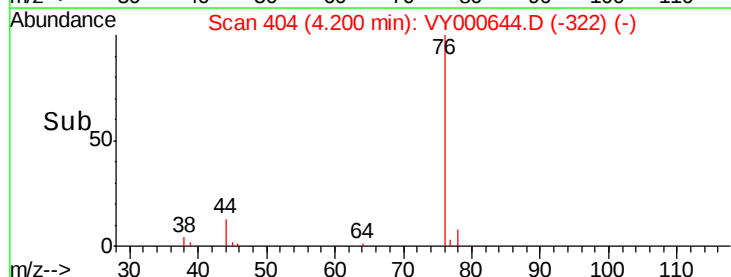
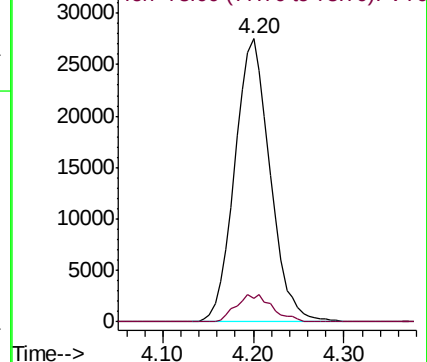
76 100

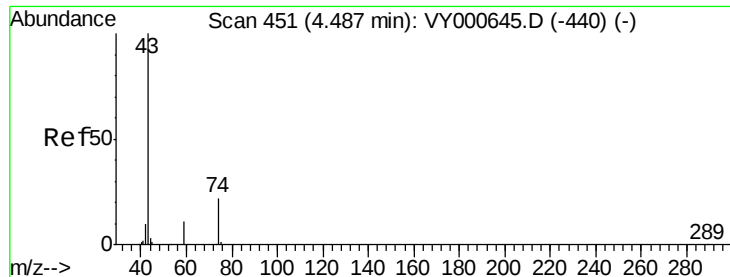
78 8.3 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

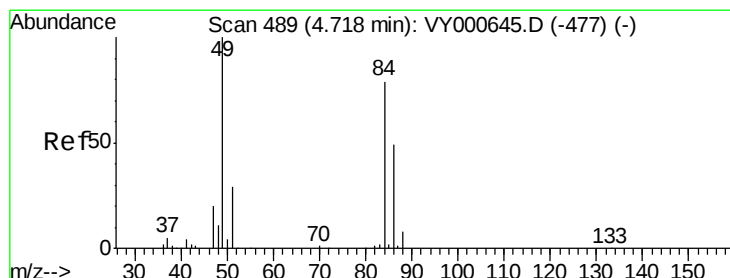
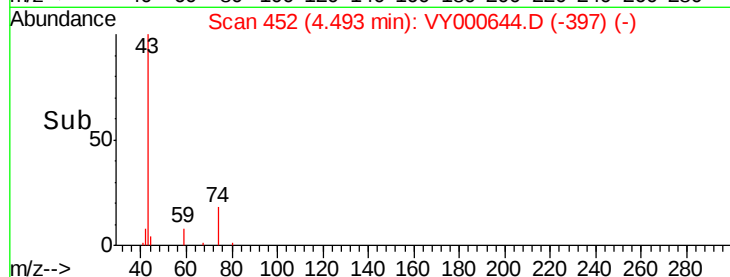
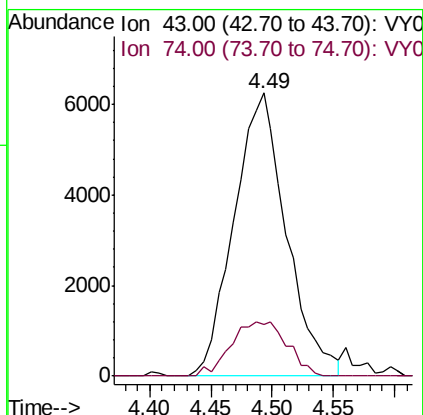
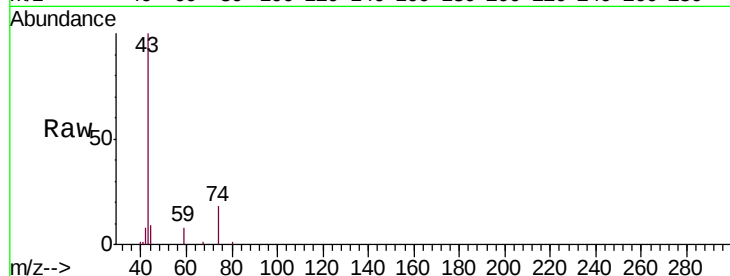




#15
Methyl Acetate
Concen: 5.017 ug/L
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY000644.D
Acq: 12 Nov 2019 09:49

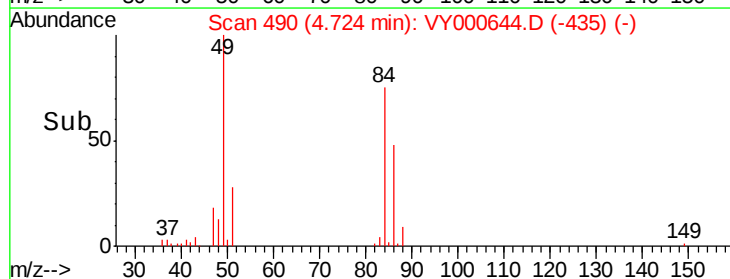
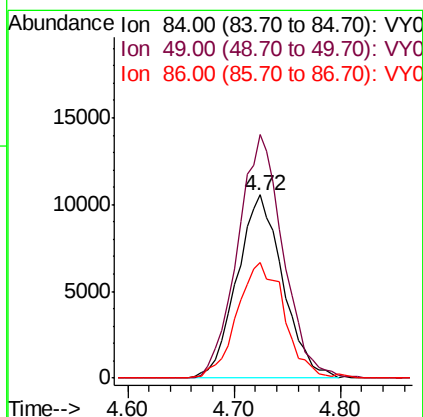
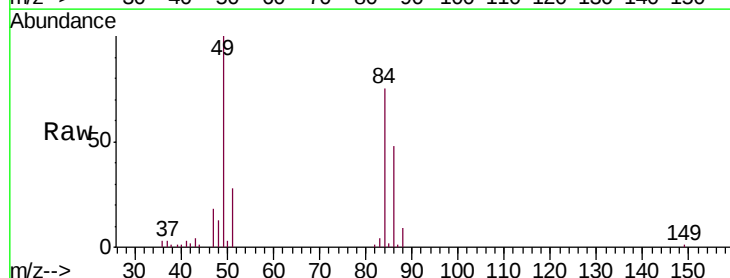
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00579

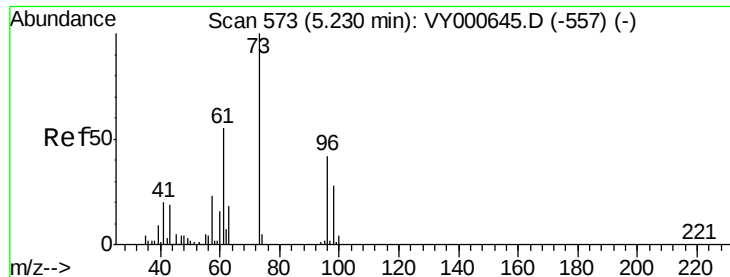
Tgt Ion: 43 Resp: 18608
Ion Ratio Lower Upper
43 100
74 20.6 18.1 27.1



#16
Methylene chloride
Concen: 5.084 ug/L
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000644.D
Acq: 12 Nov 2019 09:49

Tgt Ion: 84 Resp: 31869
Ion Ratio Lower Upper
84 100
49 132.8 88.8 165.0
86 63.4 43.9 81.5

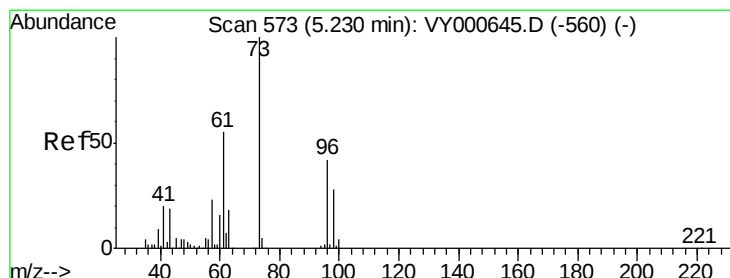
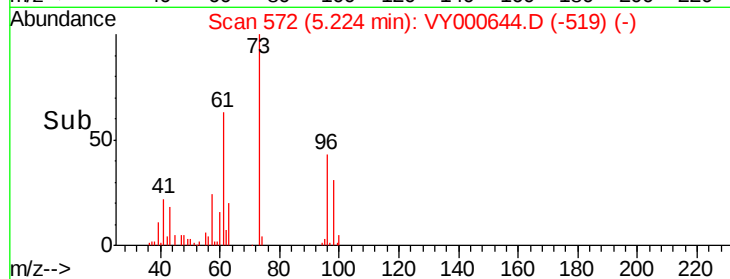
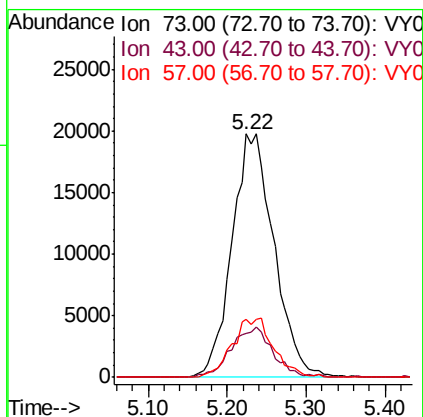
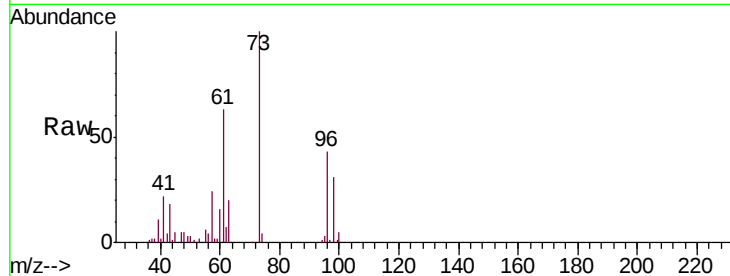




#17
Methyl tert-butyl Ether
Concen: 4.885 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000644.D
Acq: 12 Nov 2019 09:49

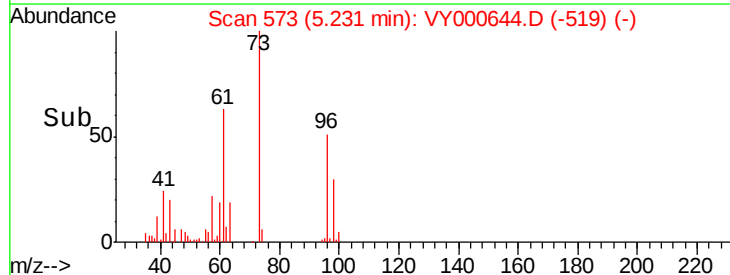
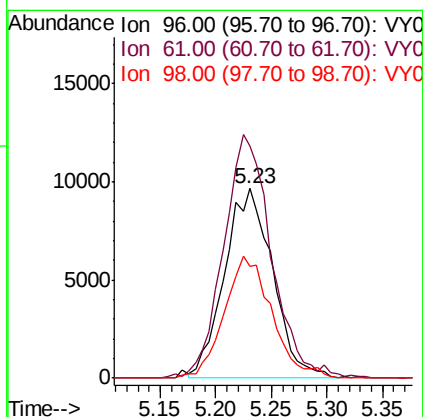
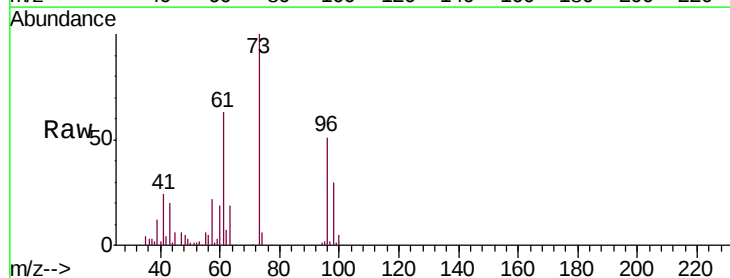
Instrument :
MSVOA_Y
ClientSampled :
VSTD00579

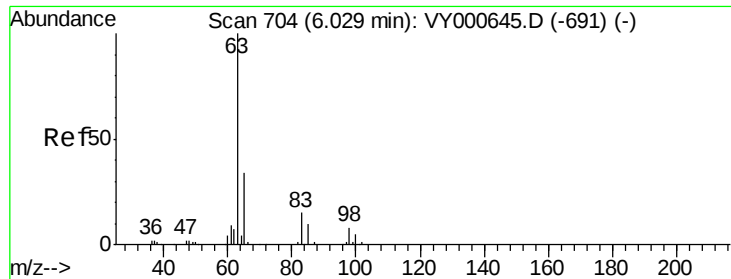
Tgt Ion: 73 Resp: 73175
Ion Ratio Lower Upper
73 100
43 18.7 15.4 23.0
57 12.2 17.5 26.3#



#18
trans-1,2-Dichloroethene
Concen: 5.281 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY000644.D
Acq: 12 Nov 2019 09:49

Tgt Ion: 96 Resp: 29036
Ion Ratio Lower Upper
96 100
61 122.8 91.8 170.4
98 59.1 46.3 85.9

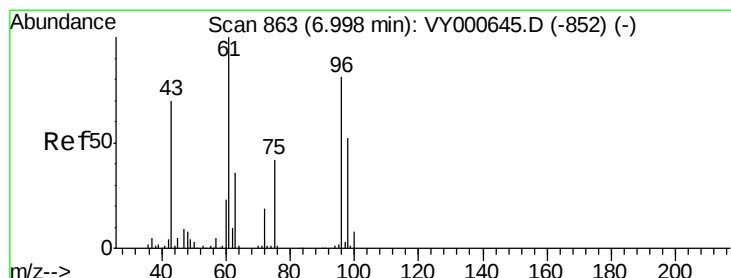
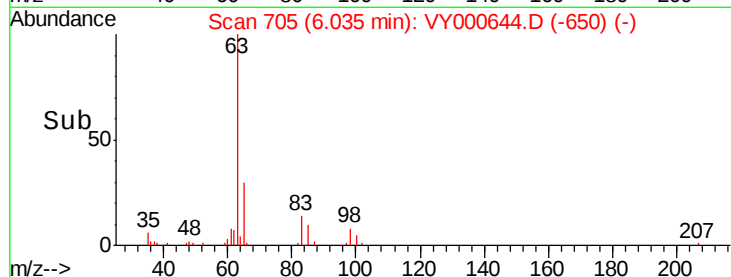
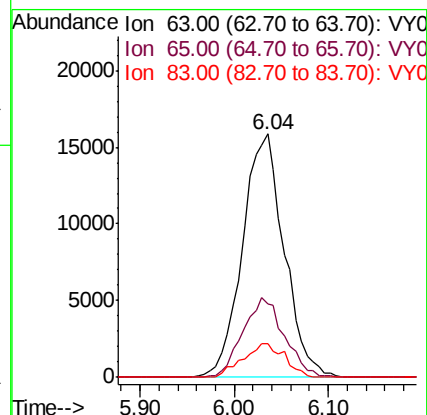
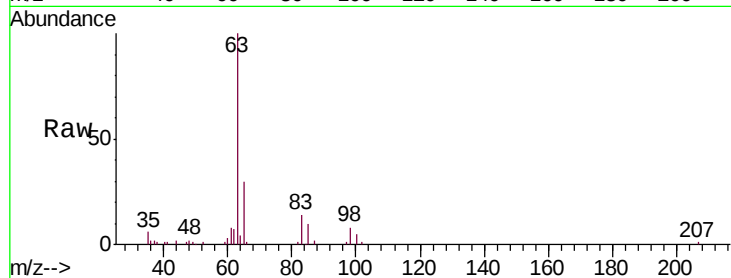




#19
 1,1-Dichloroethane
 Concen: 5.071 ug/L
 RT: 6.04 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VY000644.D
 Acq: 12 Nov 2019 09:49

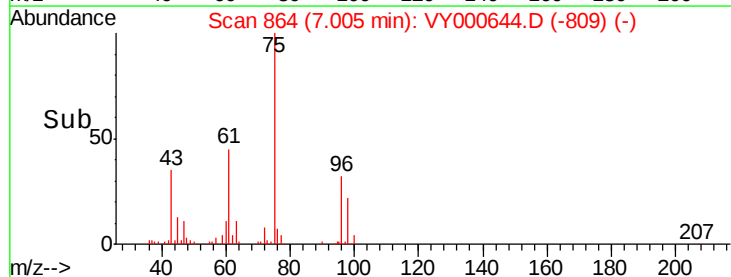
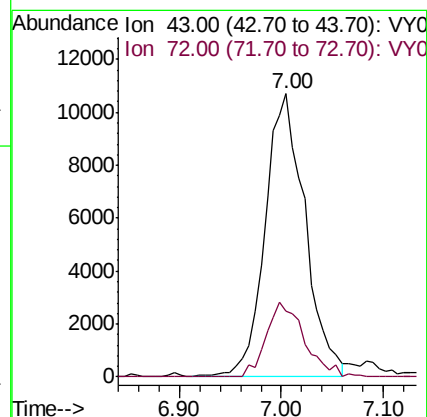
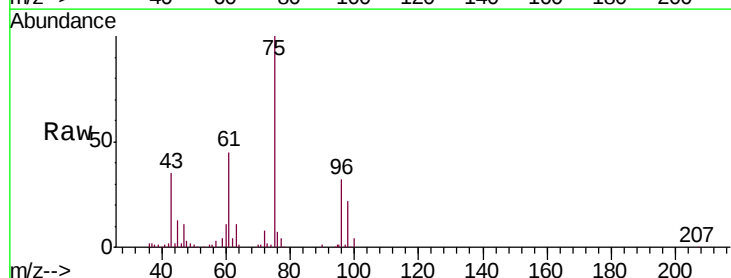
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00579

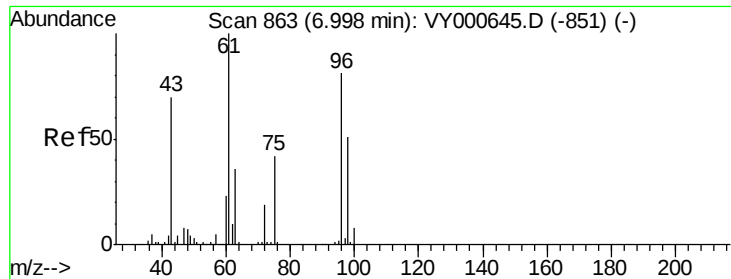
Tgt Ion: 63 Resp: 49069
 Ion Ratio Lower Upper
 63 100
 65 30.0 23.9 44.5
 83 13.6 10.1 18.9



#21
 2-Butanone
 Concen: 10.203 ug/L
 RT: 7.00 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VY000644.D
 Acq: 12 Nov 2019 09:49

Tgt Ion: 43 Resp: 29101
 Ion Ratio Lower Upper
 43 100
 72 24.3 12.6 37.8



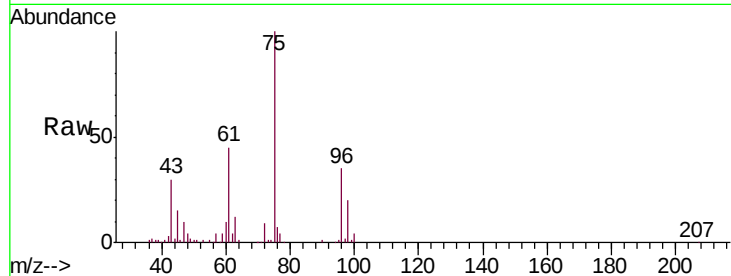


#22

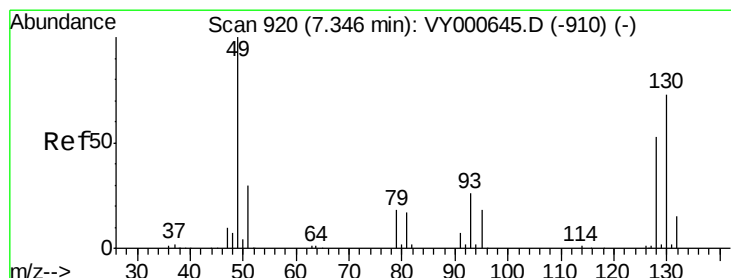
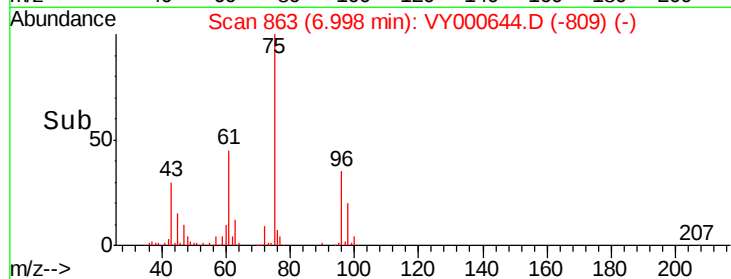
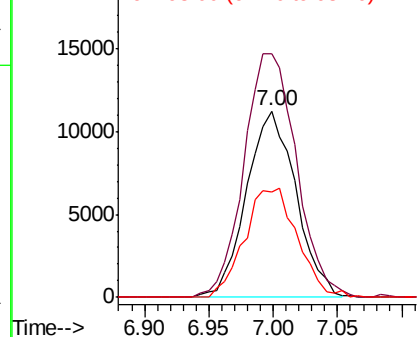
cis-1,2-Dichloroethene
Concen: 4.920 ug/L
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY000644.D
Acq: 12 Nov 2019 09:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTD00579

Tgt Ion: 96 Resp: 29922
Ion Ratio Lower Upper
96 100
61 130.8 86.8 161.2
98 56.9 44.6 82.8



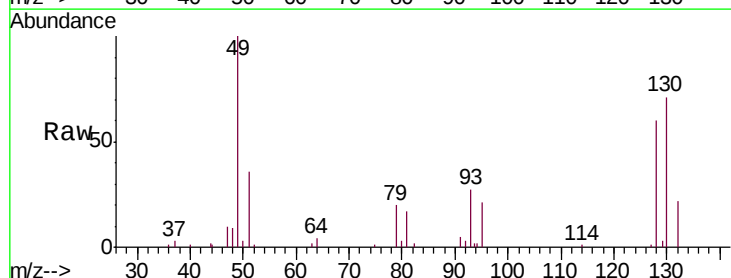
Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0



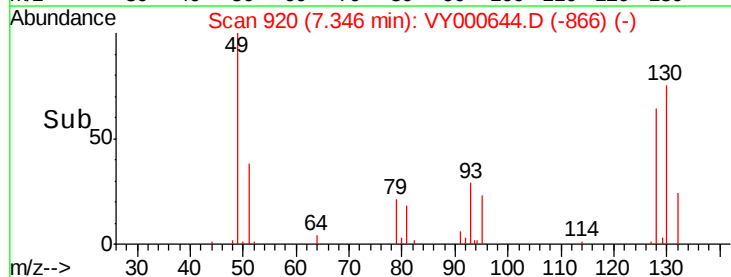
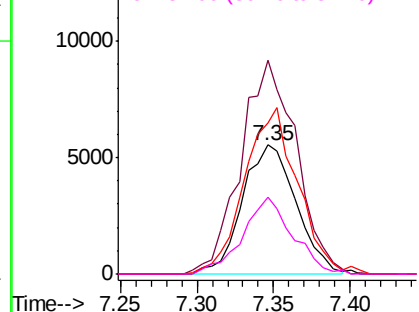
#23

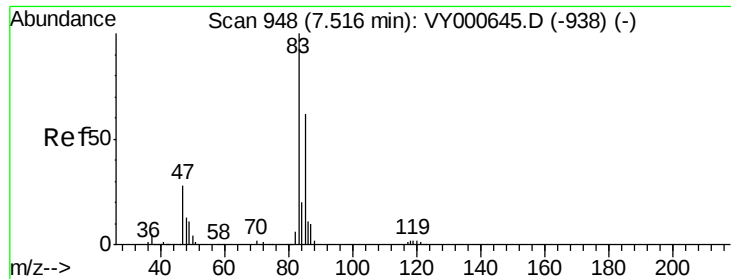
Bromochloromethane
Concen: 5.111 ug/L
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY000644.D
Acq: 12 Nov 2019 09:49

Tgt Ion: 128 Resp: 13571
Ion Ratio Lower Upper
128 100
49 165.9 131.5 244.3
130 117.7 96.7 179.5
51 59.8 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

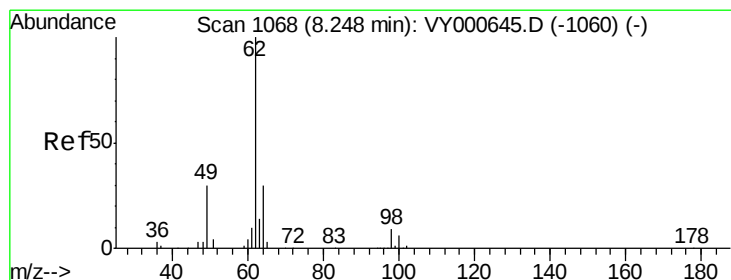
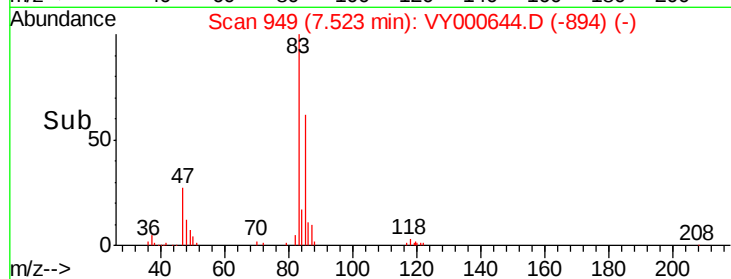
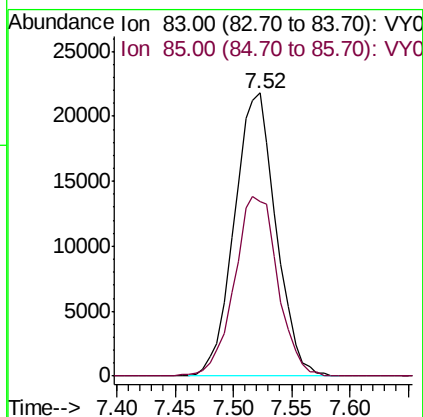
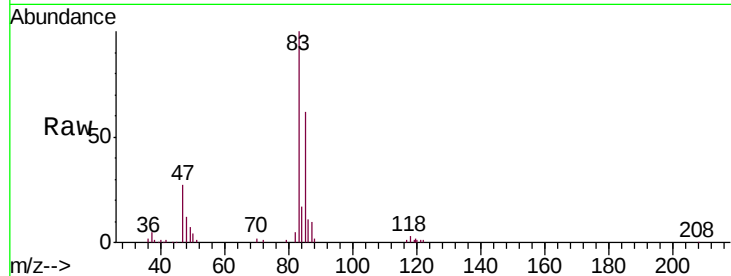




#25
Chloroform
Concen: 5.182 ug/L
RT: 7.52 min Scan# 949
Delta R.T. 0.01 min
Lab File: VY000644.D
Acq: 12 Nov 2019 09:49

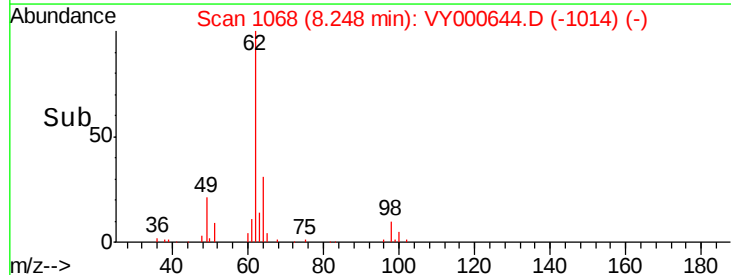
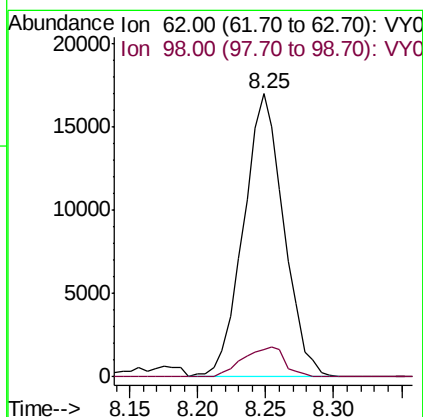
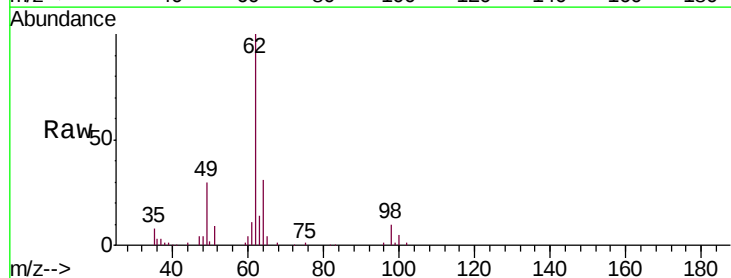
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00579

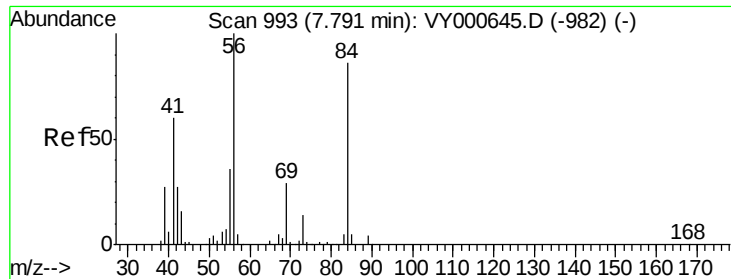
Tgt Ion: 83 Resp: 54046
Ion Ratio Lower Upper
83 100
85 66.3 45.6 84.6



#27
1,2-Dichloroethane
Concen: 5.048 ug/L
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY000644.D
Acq: 12 Nov 2019 09:49

Tgt Ion: 62 Resp: 35193
Ion Ratio Lower Upper
62 100
98 9.7 7.5 11.3

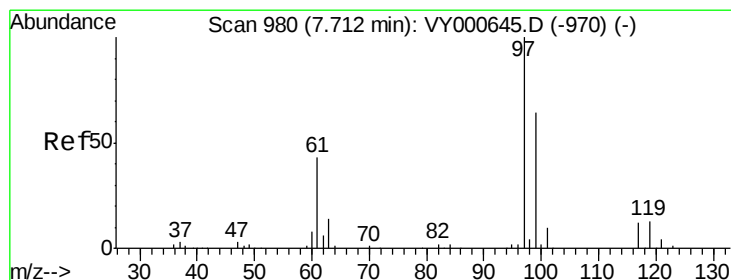
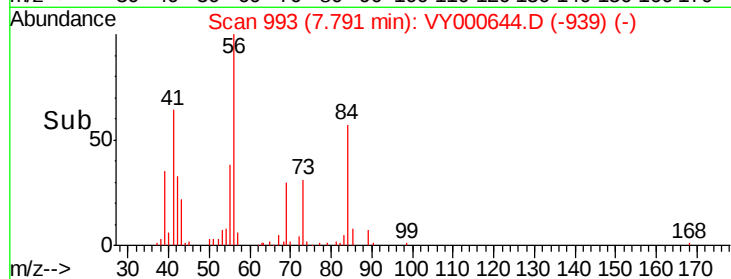
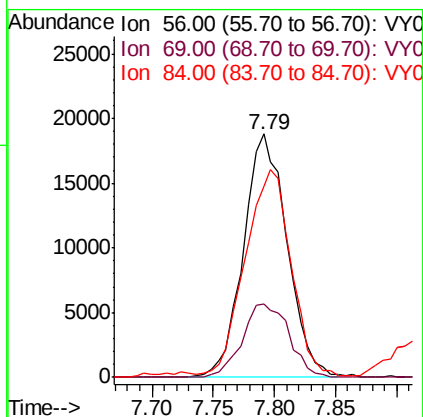
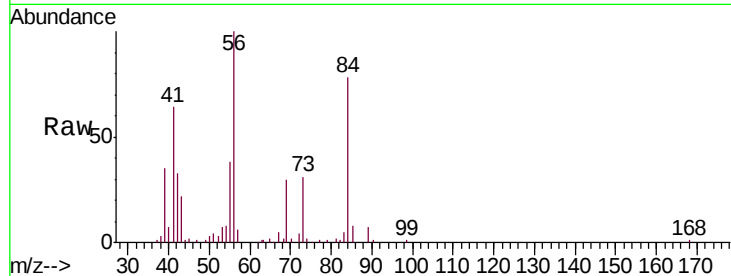




#30
Cyclohexane
Concen: 4.972 ug/L
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY000644.D
Acq: 12 Nov 2019 09:49

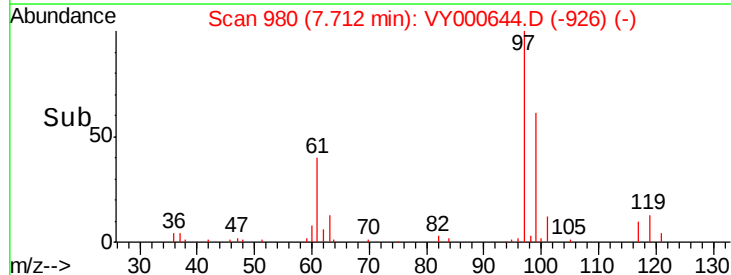
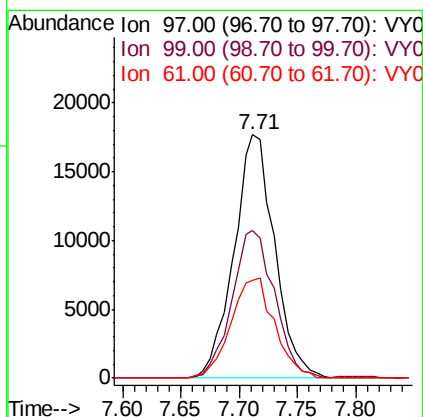
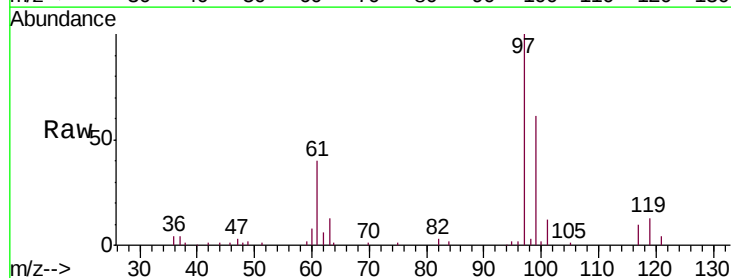
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00579

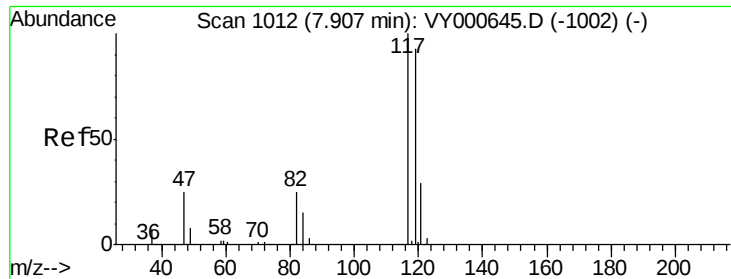
Tgt Ion: 56 Resp: 46654
Ion Ratio Lower Upper
56 100
69 32.4 24.1 36.1
84 90.5 70.2 105.4



#31
1,1,1-Trichloroethane
Concen: 5.092 ug/L
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY000644.D
Acq: 12 Nov 2019 09:49

Tgt Ion: 97 Resp: 43136
Ion Ratio Lower Upper
97 100
99 63.1 51.4 77.0
61 43.7 34.7 52.1

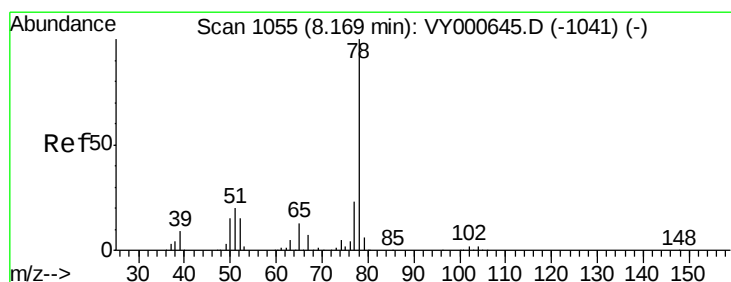
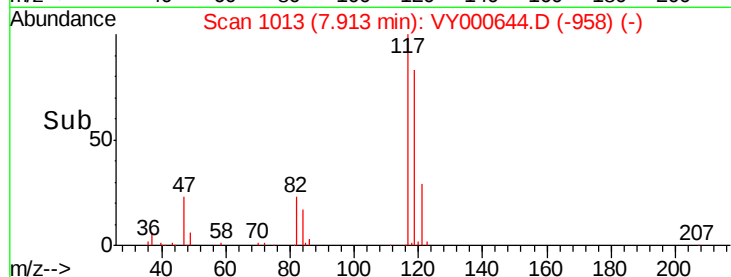
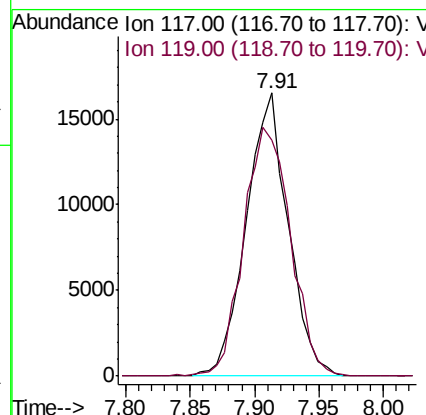
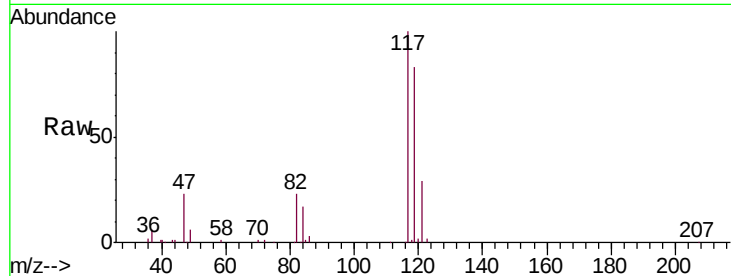




#32
Carbon tetrachloride
Concen: 5.040 ug/L
RT: 7.91 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VY000644.D
Acq: 12 Nov 2019 09:49

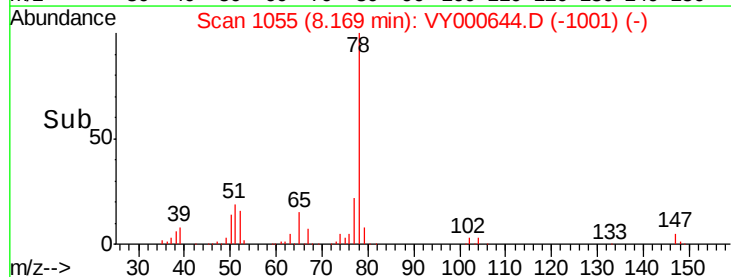
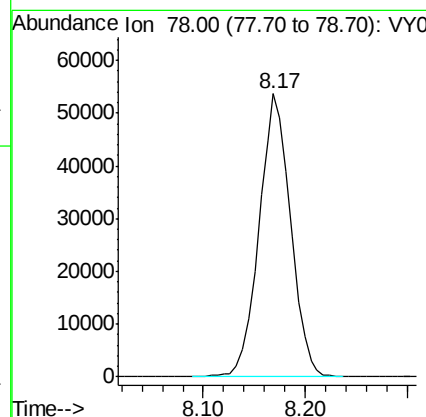
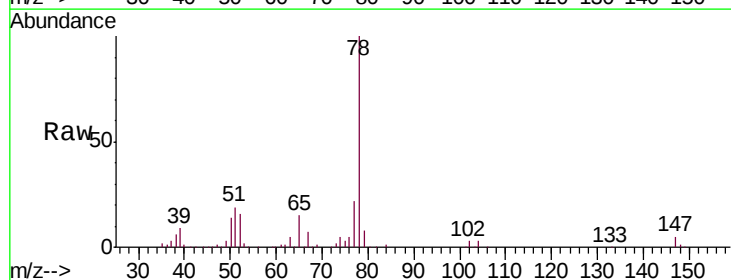
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00579

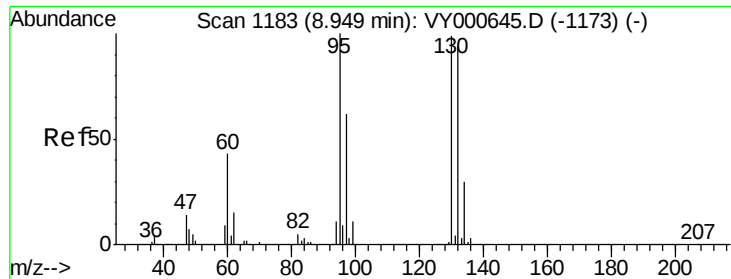
Tgt Ion:117 Resp: 37212
Ion Ratio Lower Upper
117 100
119 98.9 76.2 114.2



#34
Benzene
Concen: 5.132 ug/L
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY000644.D
Acq: 12 Nov 2019 09:49

Tgt Ion: 78 Resp: 115382

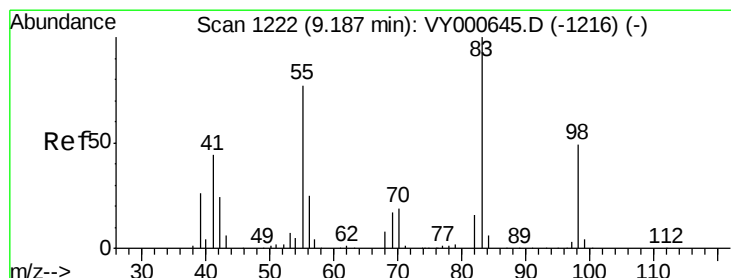
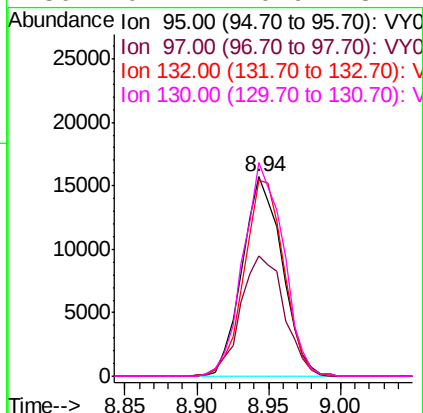
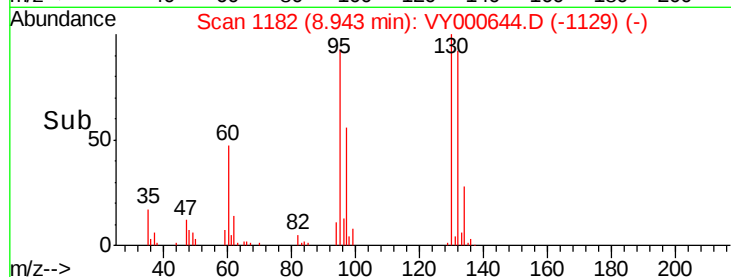
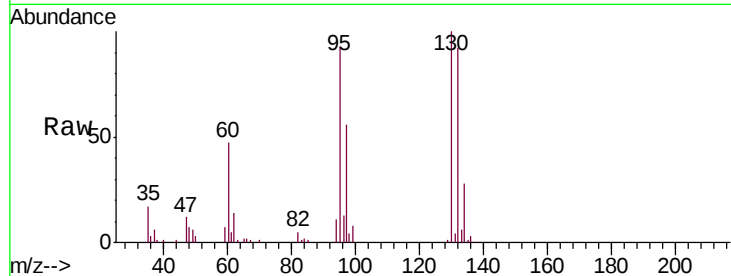




#35
 Trichloroethene
 Concen: 5.129 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VY000644.D
 Acq: 12 Nov 2019 09:49

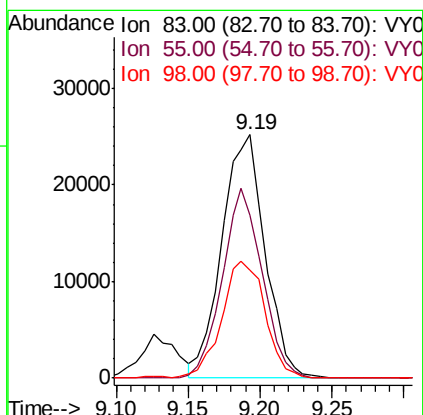
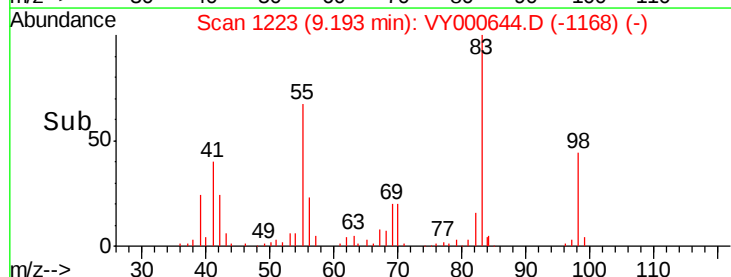
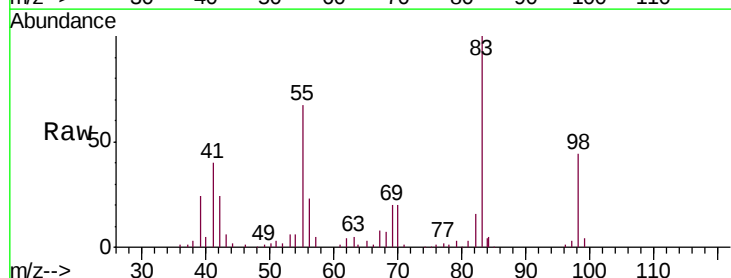
Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD00579

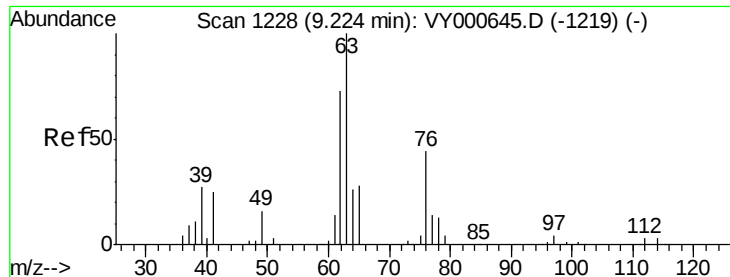
Tgt Ion:	95	Resp:	30233
Ion	Ratio	Lower	Upper
95	100		
97	65.7	44.4	82.4
132	96.9	66.8	124.0
130	107.7	70.9	131.7



#36
 Methylcyclohexane
 Concen: 5.210 ug/L
 RT: 9.19 min Scan# 1223
 Delta R.T. 0.01 min
 Lab File: VY000644.D
 Acq: 12 Nov 2019 09:49

Tgt Ion:	83	Resp:	52565
Ion	Ratio	Lower	Upper
83	100		
55	72.2	60.0	90.0
98	48.4	40.2	60.2

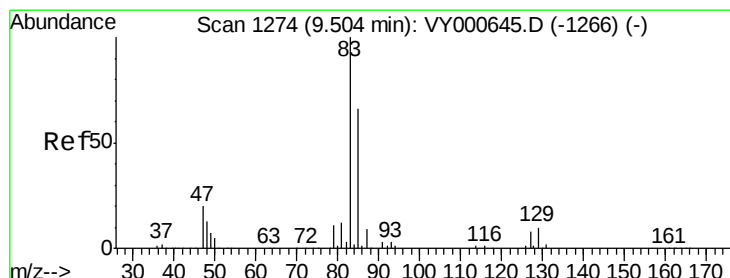
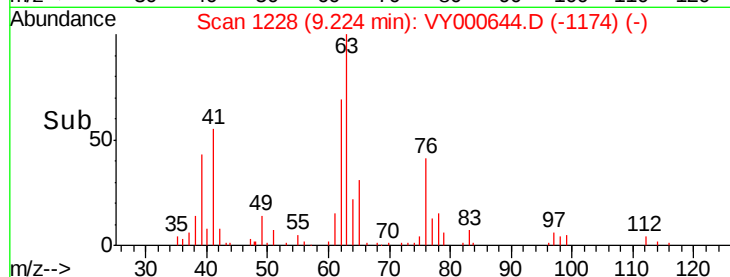
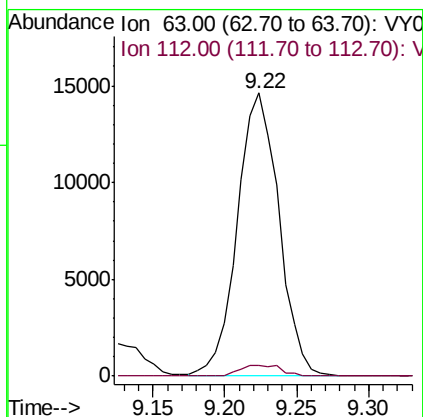
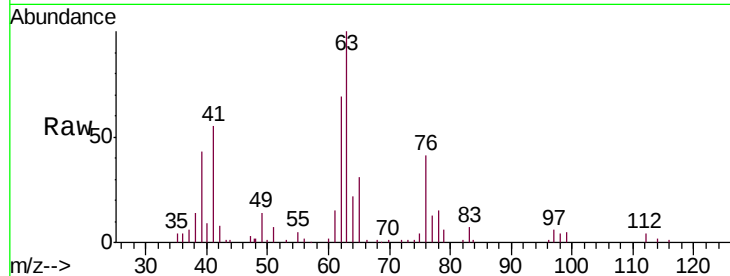




#40
 1,2-Dichloropropane
 Concen: 5.142 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000644.D
 Acq: 12 Nov 2019 09:49

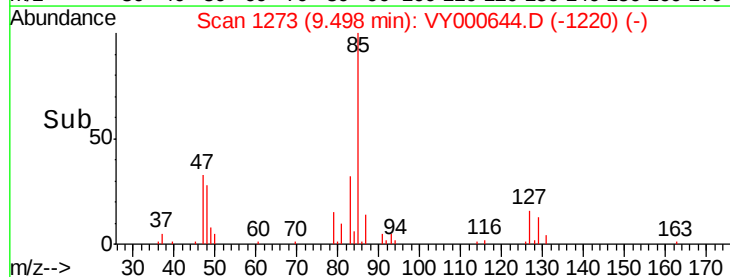
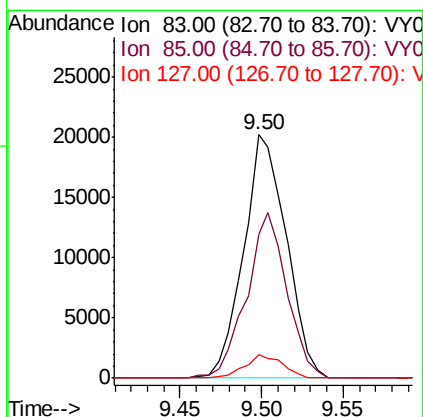
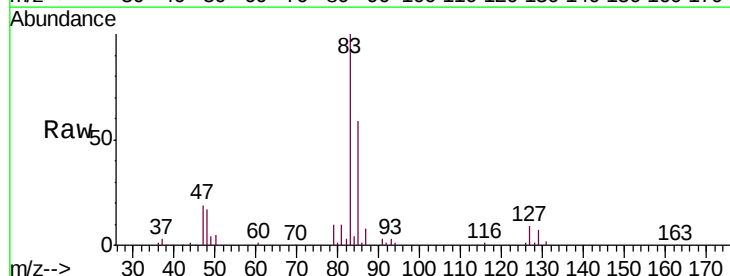
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00579

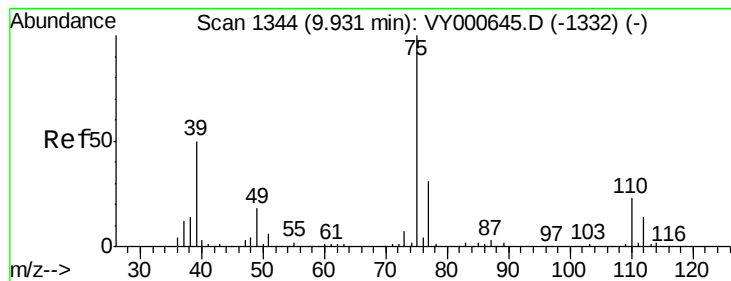
Tgt Ion: 63 Resp: 29293
 Ion Ratio Lower Upper
 63 100
 112 2.6 3.2 4.8#



#41
 Bromodichloromethane
 Concen: 5.036 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VY000644.D
 Acq: 12 Nov 2019 09:49

Tgt Ion: 83 Resp: 36916
 Ion Ratio Lower Upper
 83 100
 85 59.2 46.1 85.5
 127 9.4 6.5 9.7



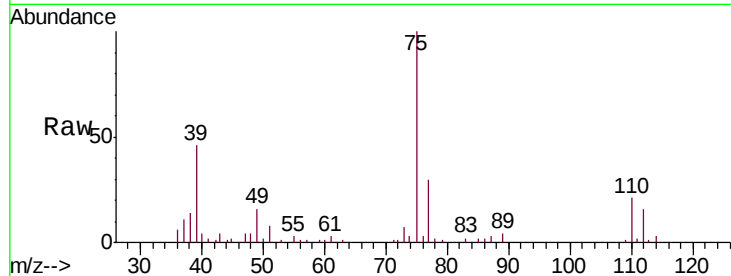


#42

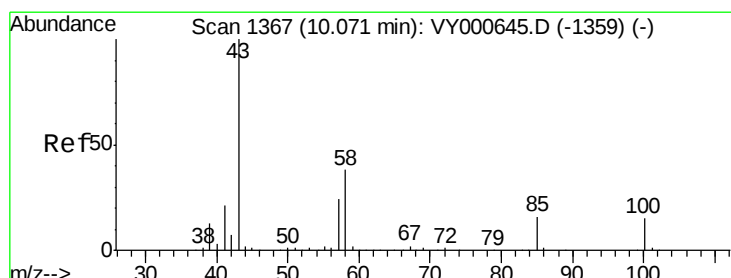
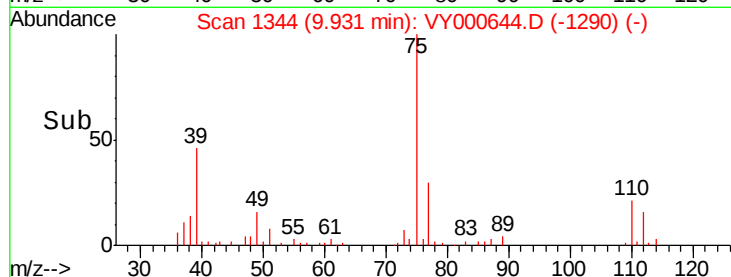
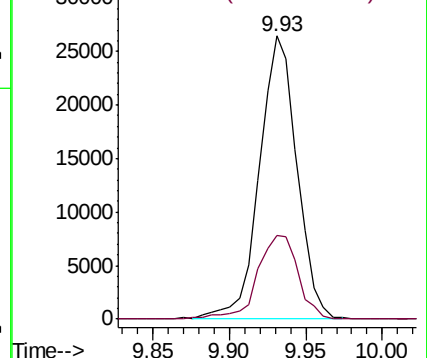
cis-1,3-Dichloropropene
 Concen: 4.924 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY000644.D
 Acq: 12 Nov 2019 09:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00579

Tgt Ion: 75 Resp: 45188
 Ion Ratio Lower Upper
 75 100
 77 29.6 21.7 40.3



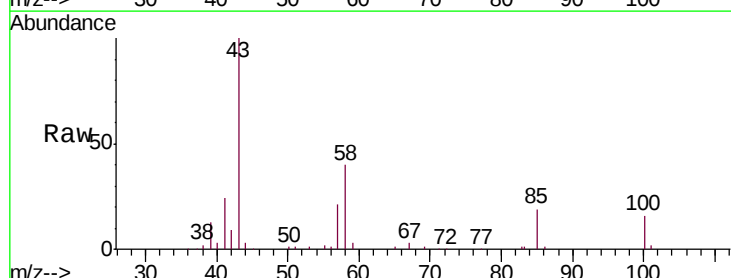
Abundance Ion 75.00 (74.70 to 75.70): VY0
 Ion 77.00 (76.70 to 77.70): VY0



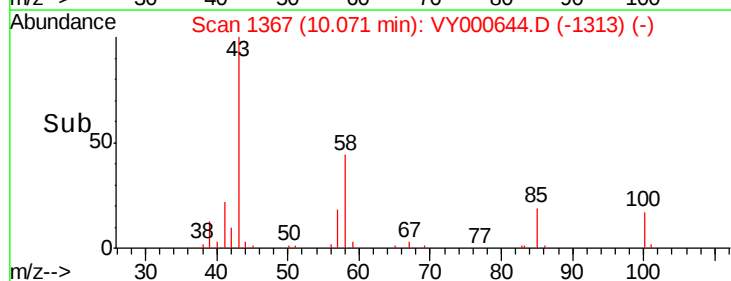
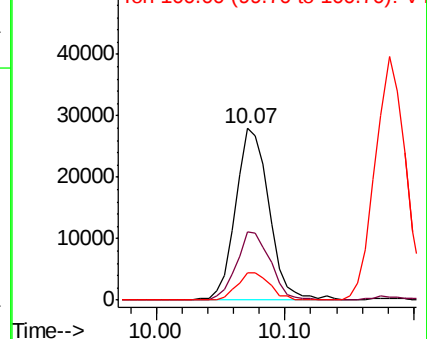
#43

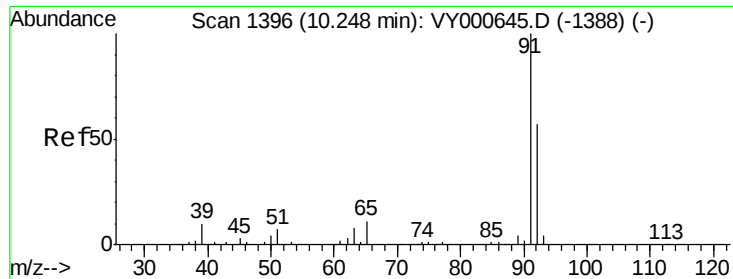
4-Methyl-2-pentanone
 Concen: 9.272 ug/L
 RT: 10.07 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VY000644.D
 Acq: 12 Nov 2019 09:49

Tgt Ion: 43 Resp: 50520
 Ion Ratio Lower Upper
 43 100
 58 40.0 30.6 45.8
 100 15.6 12.0 18.0



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





#44

Toluene

Concen: 5.029 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000644.D

Acq: 12 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

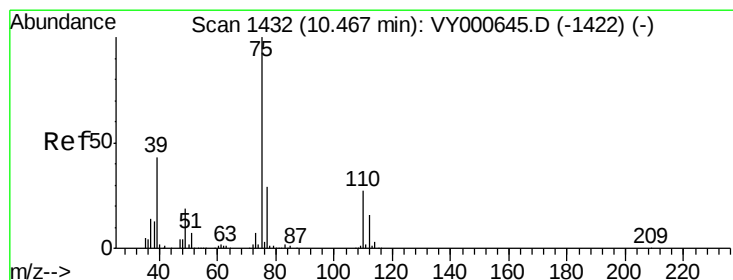
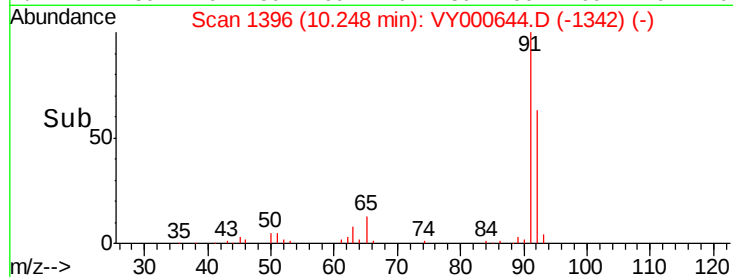
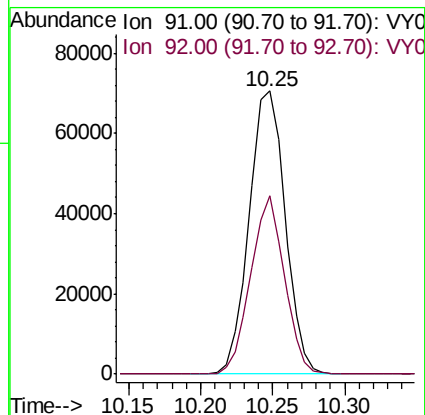
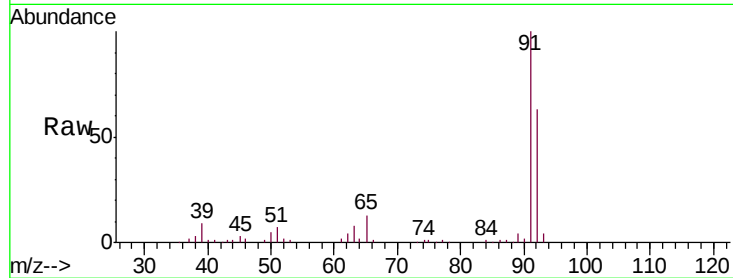
VSTD00579

Tgt Ion: 91 Resp: 122227

Ion Ratio Lower Upper

91 100

92 63.0 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 4.857 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000644.D

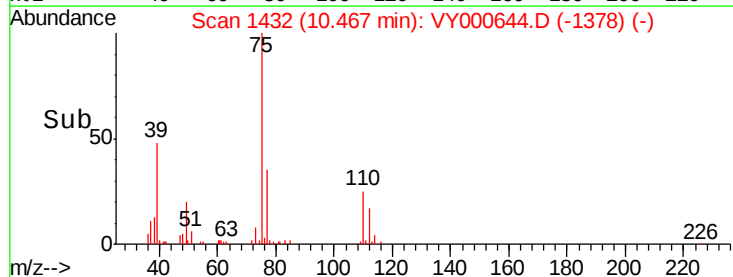
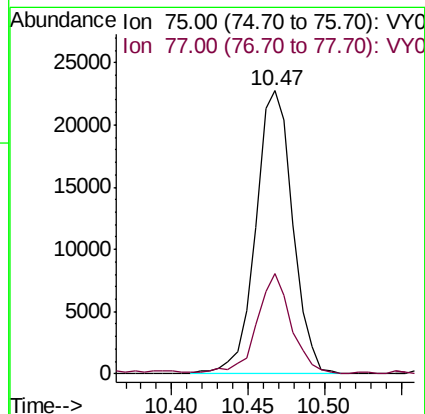
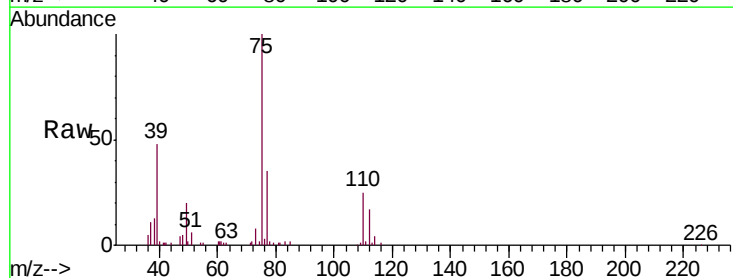
Acq: 12 Nov 2019 09:49

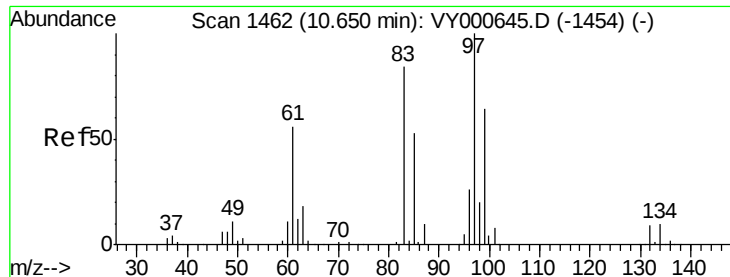
Tgt Ion: 75 Resp: 38298

Ion Ratio Lower Upper

75 100

77 35.3 20.4 37.8

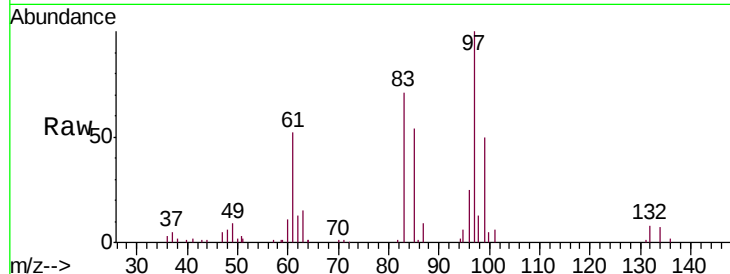




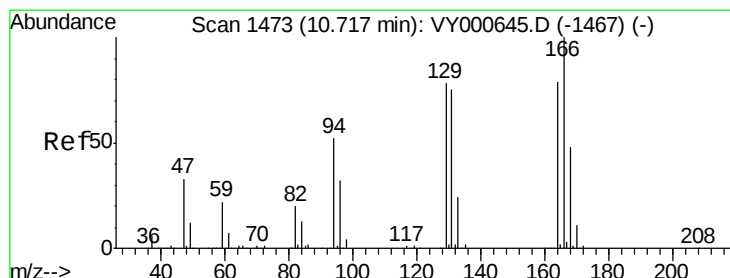
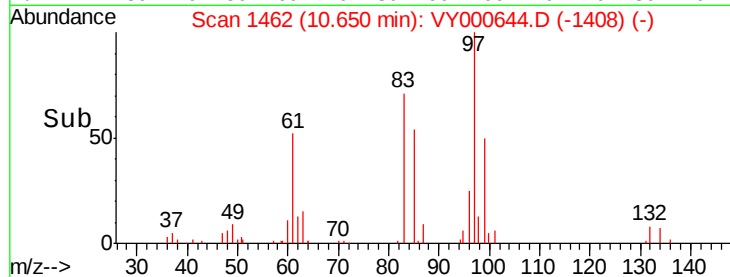
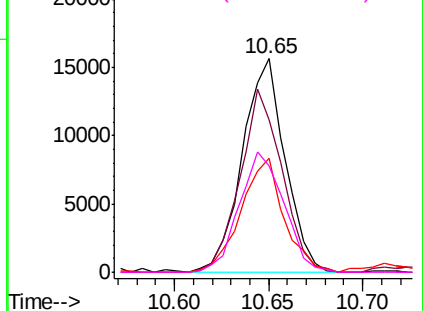
#46
1,1,2-Trichloroethane
Concen: 5.240 ug/L
RT: 10.65 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VY000644.D
Acq: 12 Nov 2019 09:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTD00579

Tgt Ion: 97 Resp: 24486
Ion Ratio Lower Upper
97 100
83 71.5 58.7 109.1
85 53.6 37.3 69.3
99 50.0 44.7 83.1

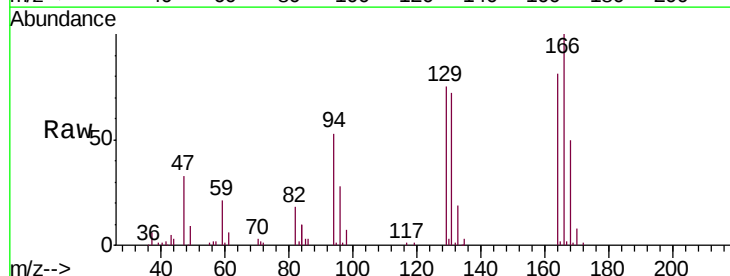


Abundance Ion 97.00 (96.70 to 97.70): VY0
Ion 83.00 (82.70 to 83.70): VY0
Ion 85.00 (84.70 to 85.70): VY0
Ion 99.00 (98.70 to 99.70): VY0

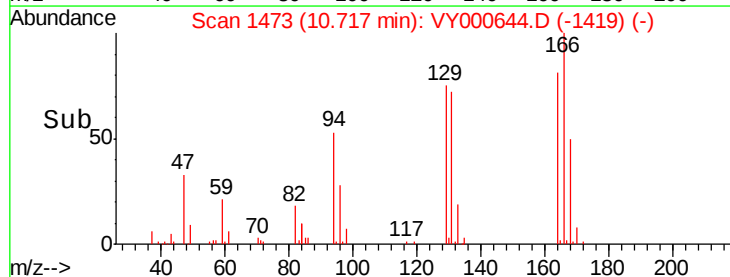
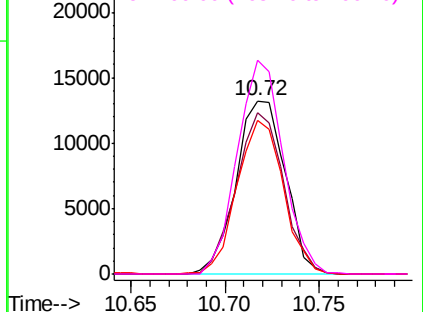


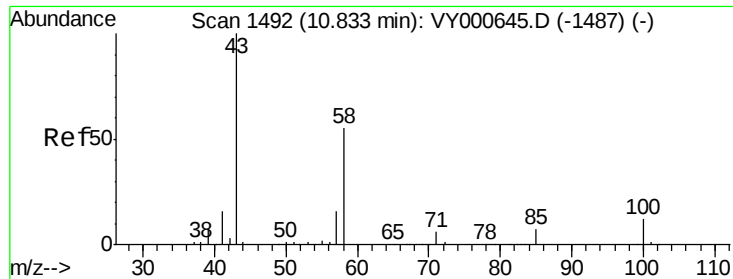
#47
Tetrachloroethene
Concen: 5.430 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000644.D
Acq: 12 Nov 2019 09:49

Tgt Ion: 164 Resp: 23902
Ion Ratio Lower Upper
164 100
129 92.7 69.6 129.2
131 88.9 66.8 124.2
166 123.3 89.0 165.2



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

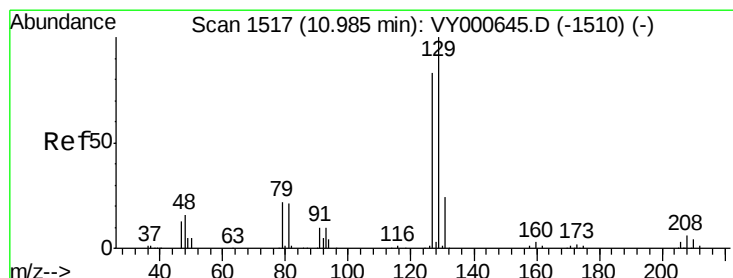
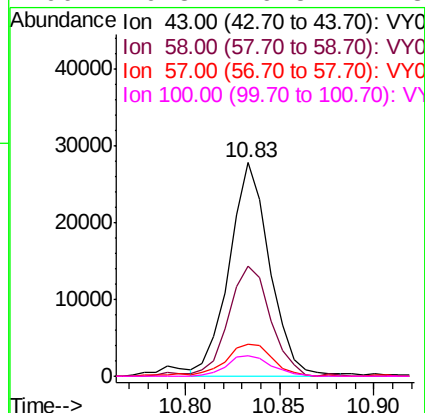
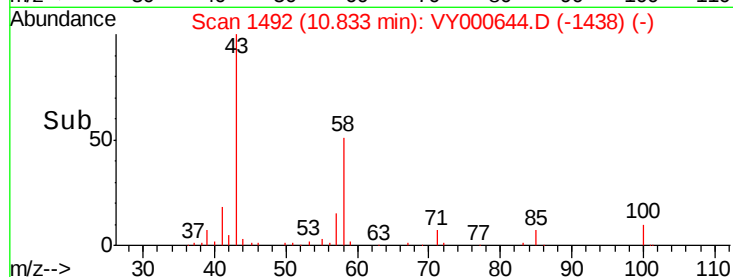
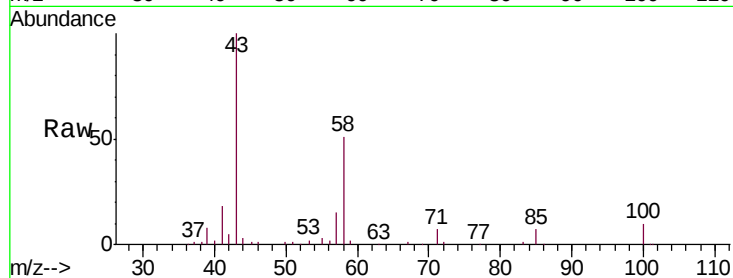




#49
2-Hexanone
Concen: 9.799 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000644.D
Acq: 12 Nov 2019 09:49

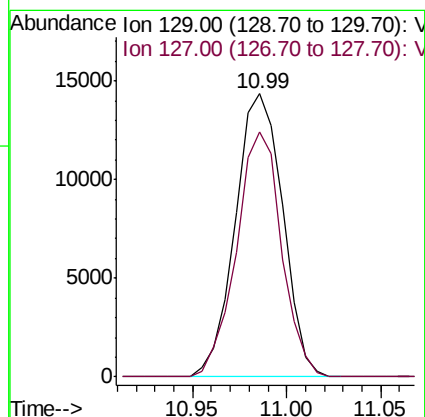
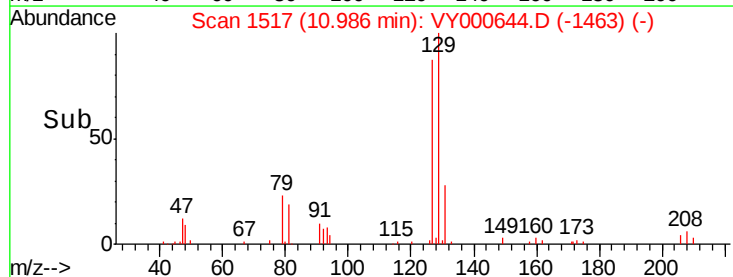
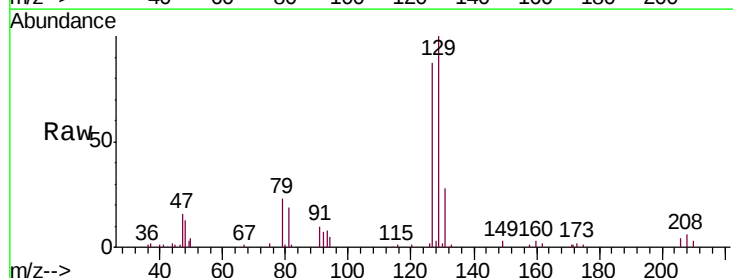
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00579

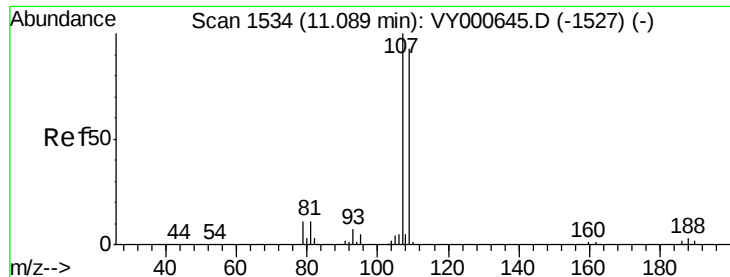
Tgt Ion: 43 Resp: 41584
Ion Ratio Lower Upper
43 100
58 53.1 44.1 66.1
57 16.7 13.9 20.9
100 10.8 9.5 14.3



#50
Dibromochloromethane
Concen: 4.746 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000644.D
Acq: 12 Nov 2019 09:49

Tgt Ion: 129 Resp: 25057
Ion Ratio Lower Upper
129 100
127 86.7 57.9 107.5

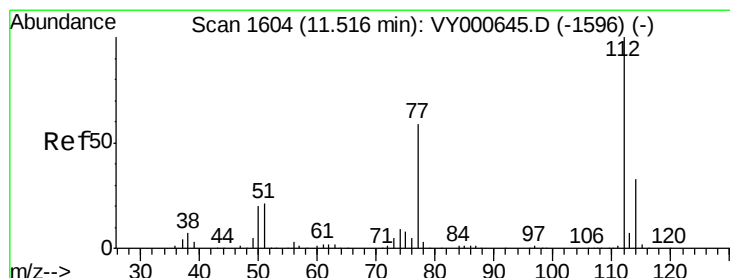
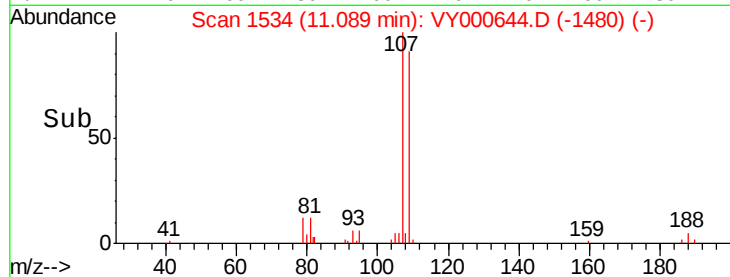
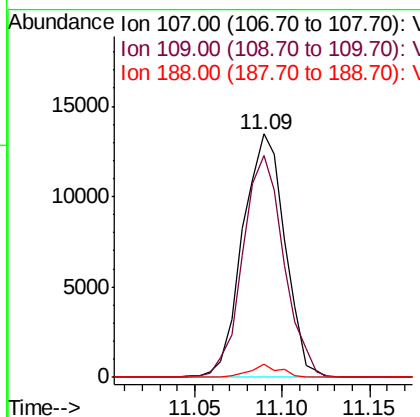
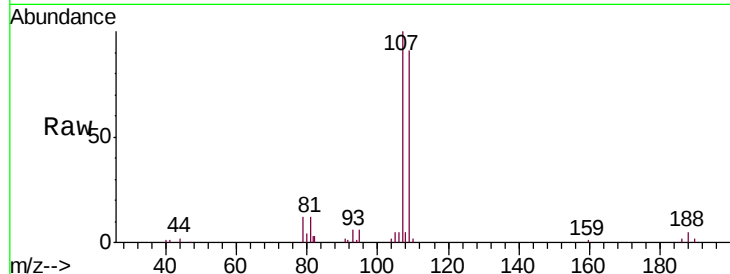




#51
1,2-Dibromoethane
Concen: 4.996 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VY000644.D
Acq: 12 Nov 2019 09:49

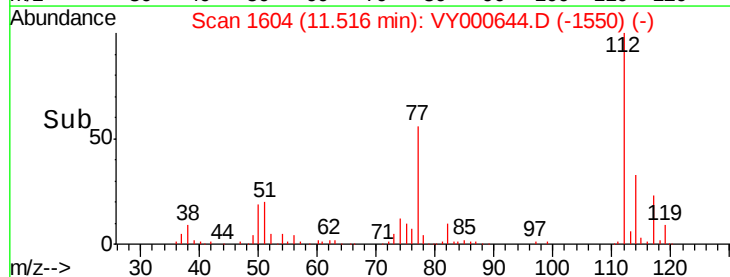
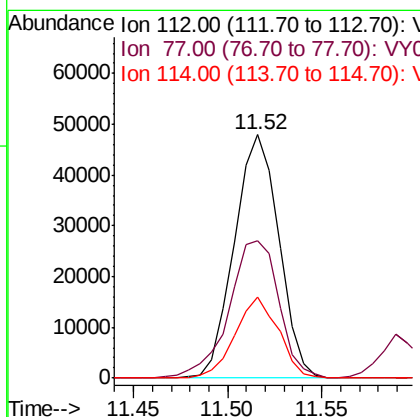
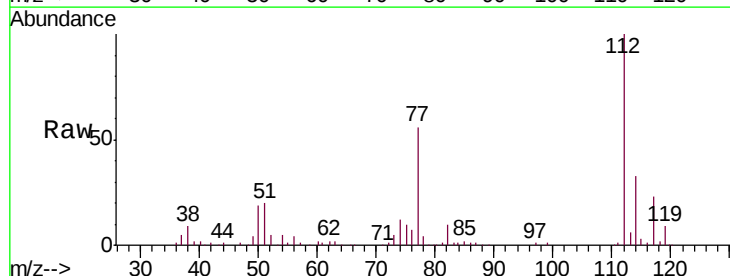
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00579

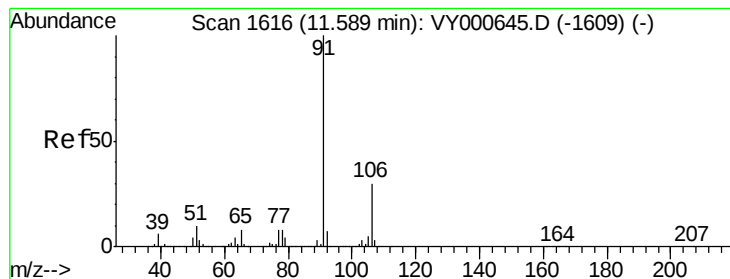
Tgt Ion:107 Resp: 22718
Ion Ratio Lower Upper
107 100
109 91.0 65.5 121.6
188 5.4 2.7 4.1#



#52
Chlorobenzene
Concen: 5.096 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000644.D
Acq: 12 Nov 2019 09:49

Tgt Ion:112 Resp: 78597
Ion Ratio Lower Upper
112 100
77 56.5 47.4 71.0
114 33.2 23.0 42.6





#53

Ethylbenzene

Concen: 4.905 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000644.D

Acq: 12 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

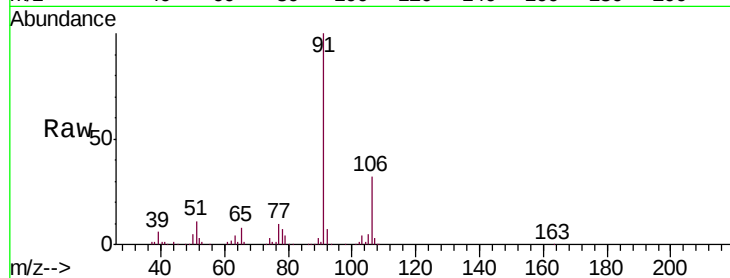
VSTD00579

Tgt Ion: 91 Resp: 134862

Ion Ratio Lower Upper

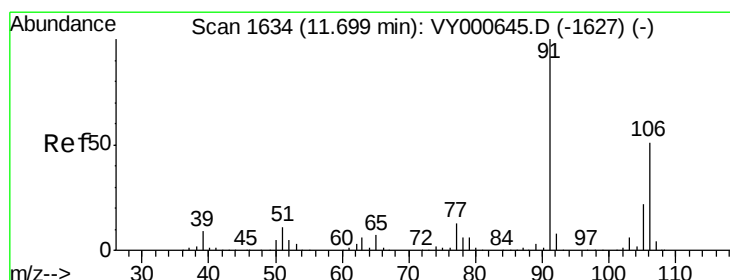
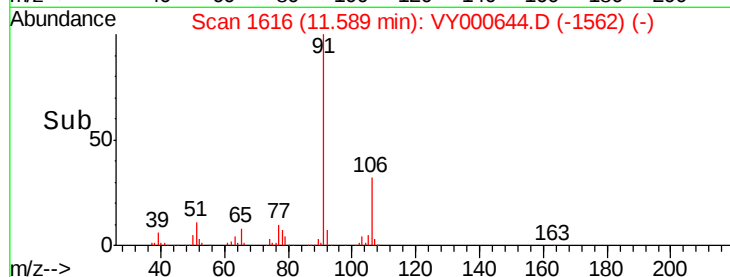
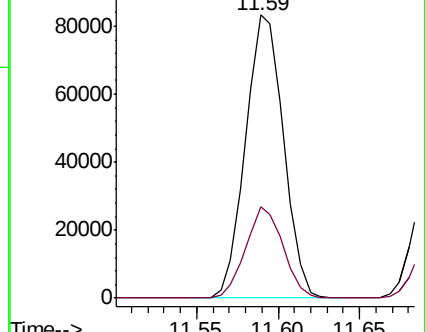
91 100

106 32.3 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VY000645.D (-1609) (-)

Ion 106.00 (105.70 to 106.70): VY000645.D (-1609) (-)



#54

m,p-Xylene

Concen: 4.960 ug/L

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY000644.D

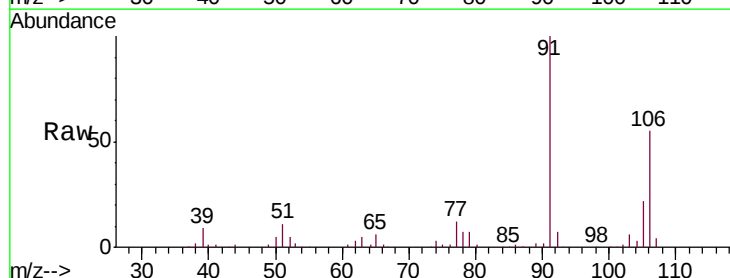
Acq: 12 Nov 2019 09:49

Tgt Ion: 106 Resp: 51612

Ion Ratio Lower Upper

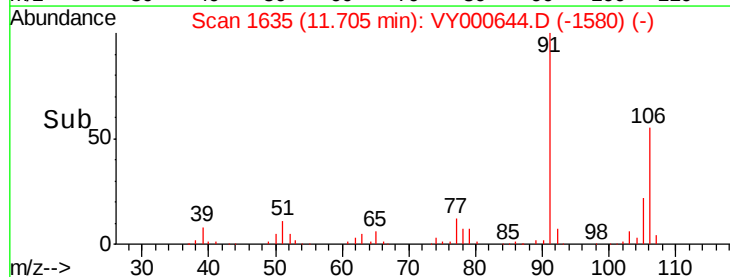
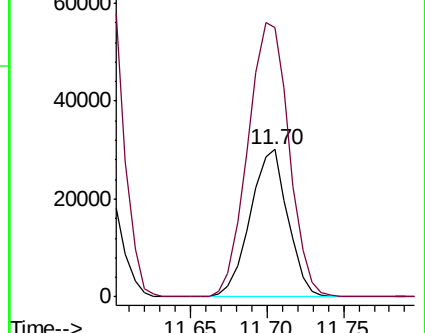
106 100

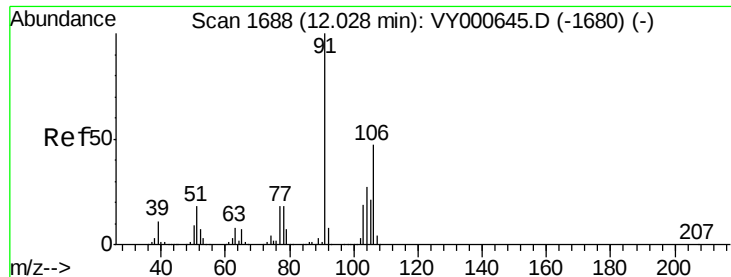
91 182.3 137.4 255.2



Abundance Ion 106.00 (105.70 to 106.70): VY000645.D (-1627) (-)

Ion 91.00 (90.70 to 91.70): VY000645.D (-1627) (-)





#55

o-xylene

Concen: 4.922 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY000644.D

Acq: 12 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

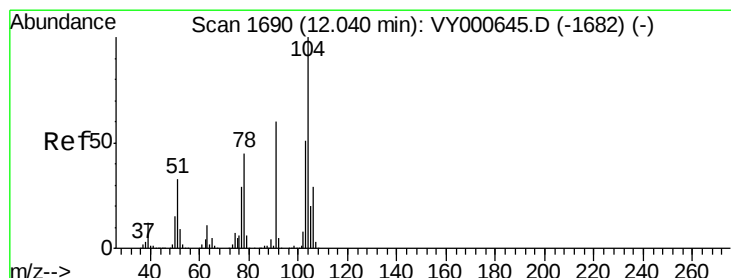
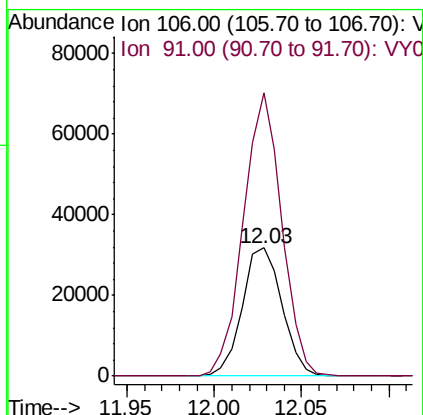
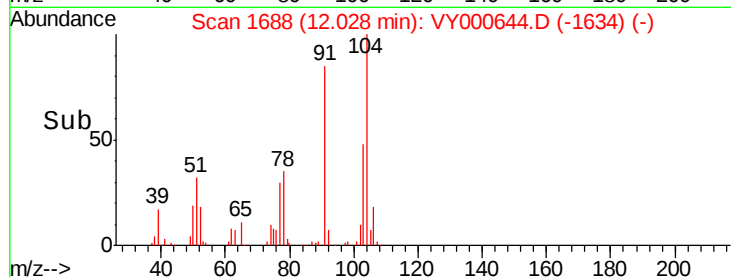
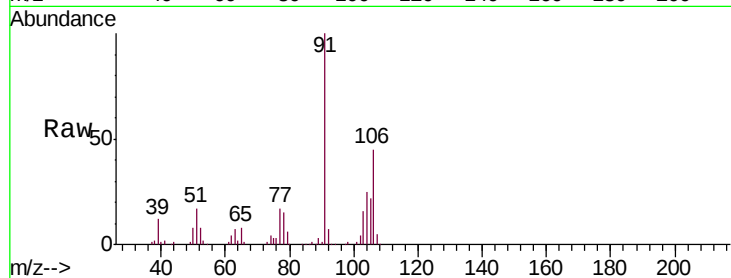
VSTD00579

Tgt Ion:106 Resp: 50272

Ion Ratio Lower Upper

106 100

91 221.2 147.8 274.6



#56

Styrene

Concen: 4.691 ug/L

RT: 12.05 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VY000644.D

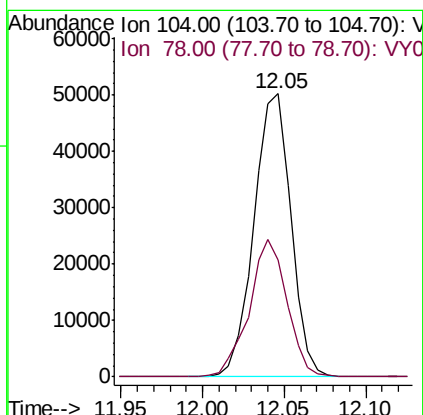
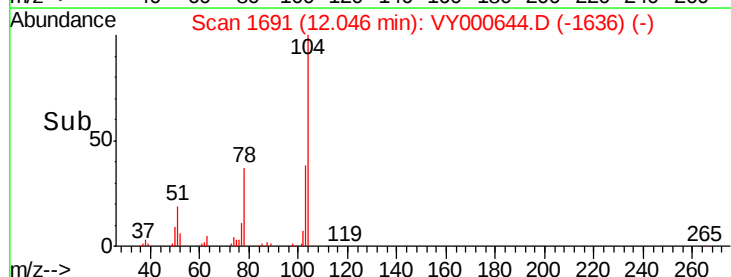
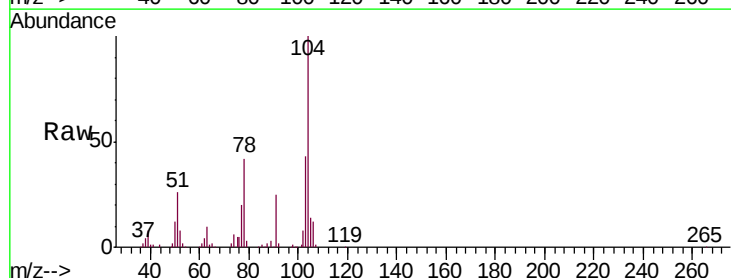
Acq: 12 Nov 2019 09:49

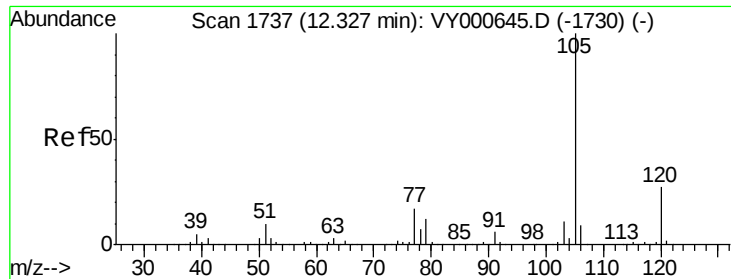
Tgt Ion:104 Resp: 79604

Ion Ratio Lower Upper

104 100

78 41.5 31.5 58.5





#57

Isopropylbenzene

Concen: 4.905 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000644.D

Acq: 12 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00579

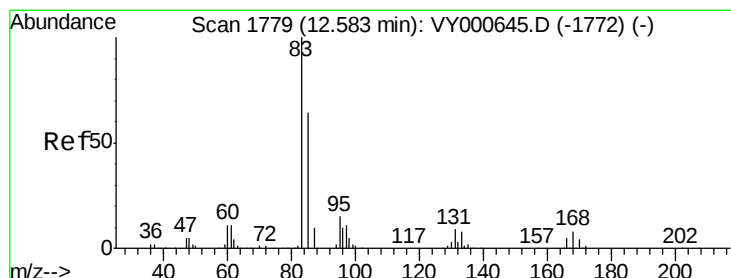
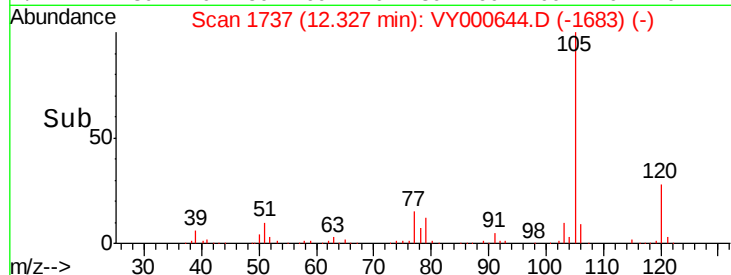
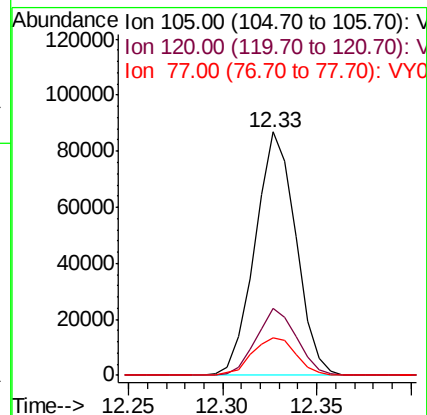
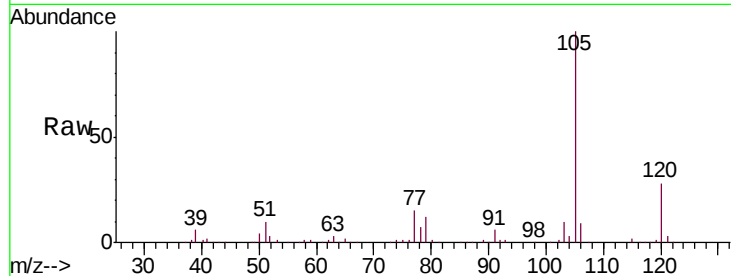
Tgt Ion: 105 Resp: 130335

Ion Ratio Lower Upper

105 100

120 27.3 21.5 32.3

77 16.5 12.6 19.0



#58

1,1,2,2-Tetrachloroethane

Concen: 4.707 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000644.D

Acq: 12 Nov 2019 09:49

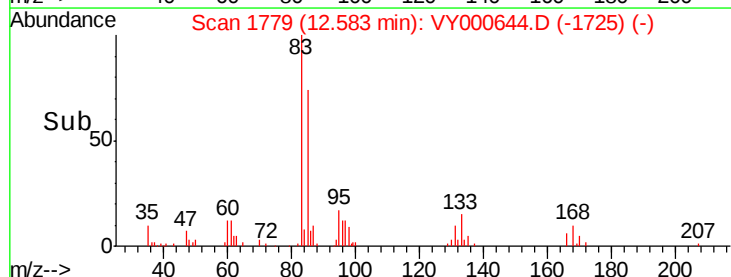
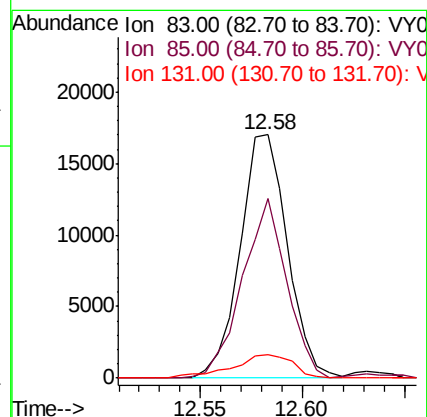
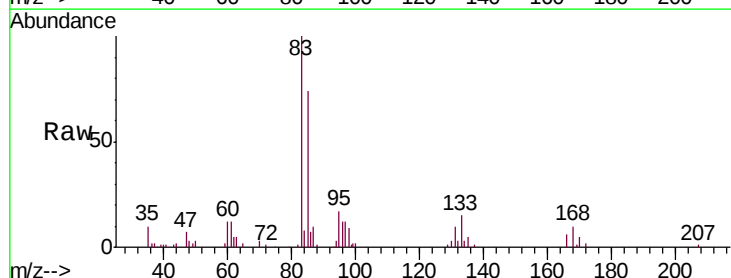
Tgt Ion: 83 Resp: 27443

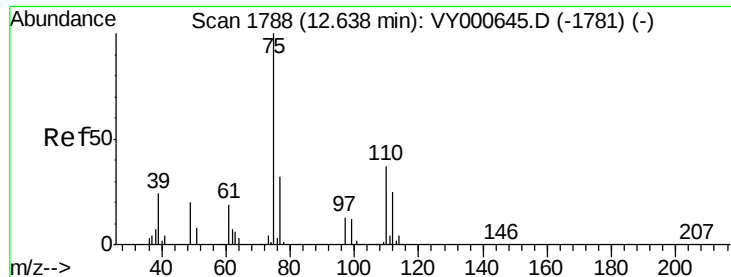
Ion Ratio Lower Upper

83 100

85 73.9 45.0 83.6

131 9.8 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 4.793 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VY000644.D

Acq: 12 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

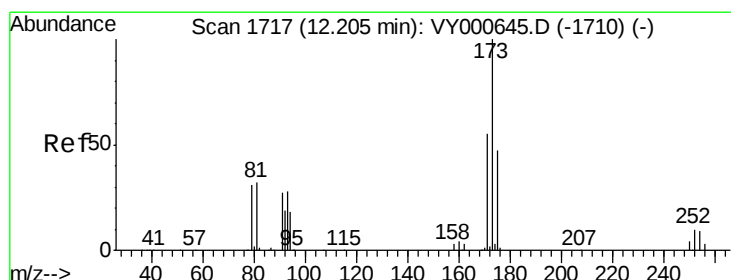
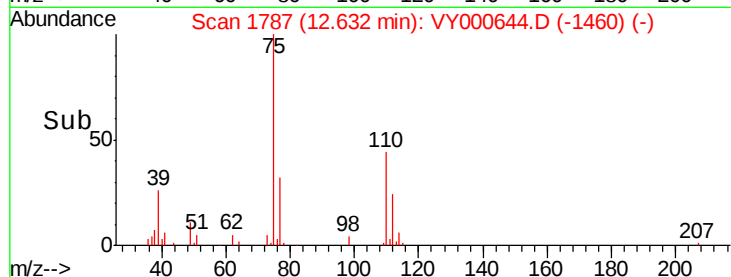
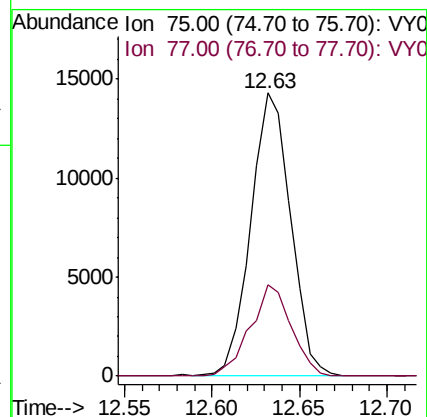
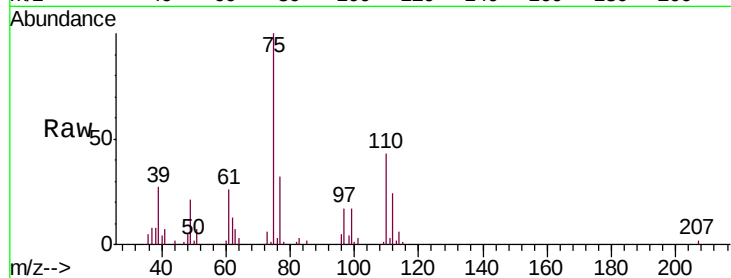
VSTD00579

Tgt Ion: 75 Resp: 22726

Ion Ratio Lower Upper

75 100

77 33.2 26.4 39.6



#62

Bromoform

Concen: 4.832 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY000644.D

Acq: 12 Nov 2019 09:49

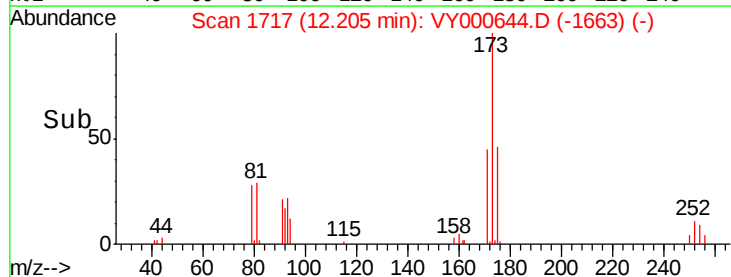
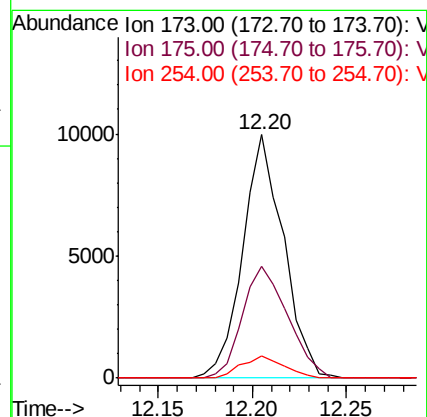
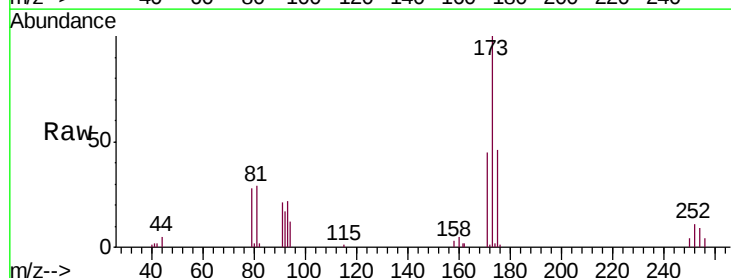
Tgt Ion: 173 Resp: 15017

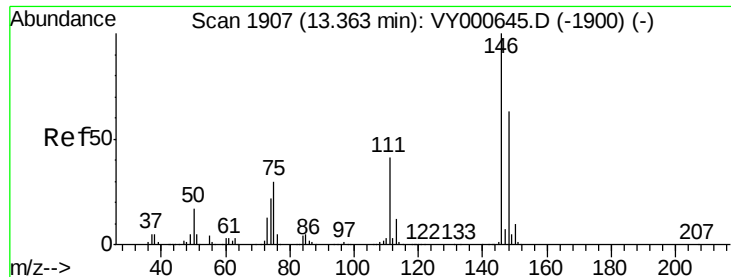
Ion Ratio Lower Upper

173 100

175 50.7 37.8 56.6

254 9.4 7.7 11.5

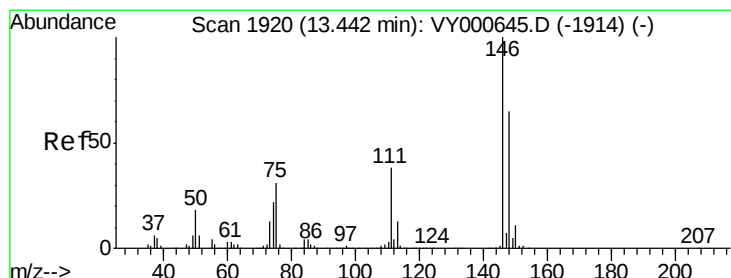
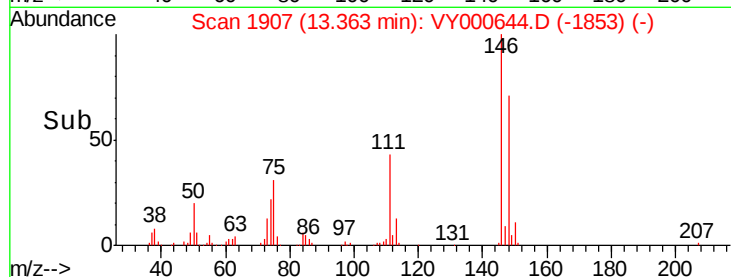
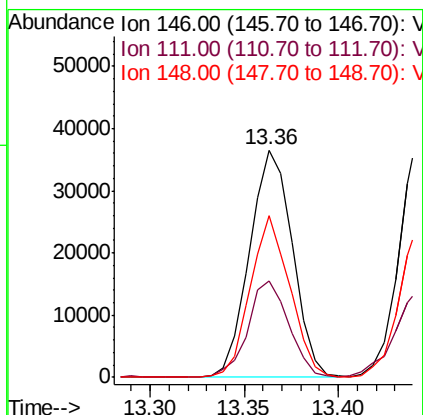
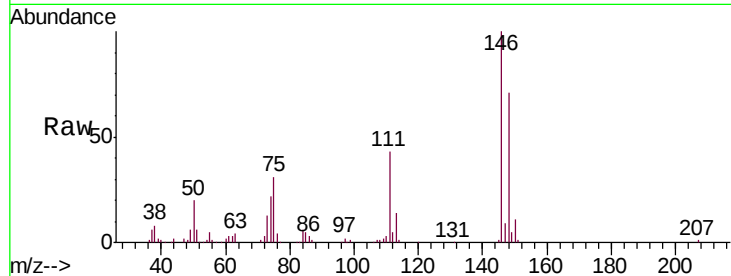




#63
 1,3-Dichlorobenzene
 Concen: 4.951 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000644.D
 Acq: 12 Nov 2019 09:49

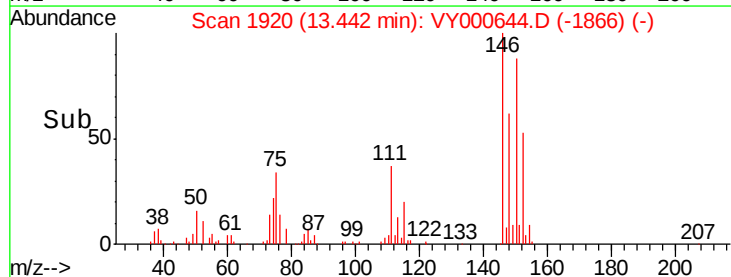
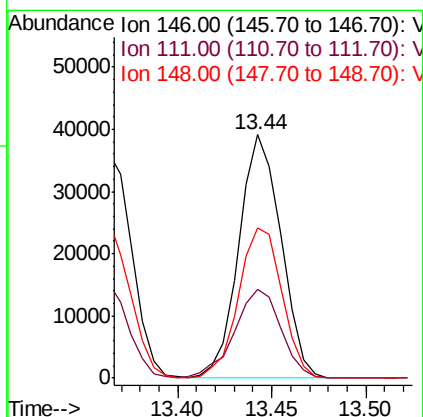
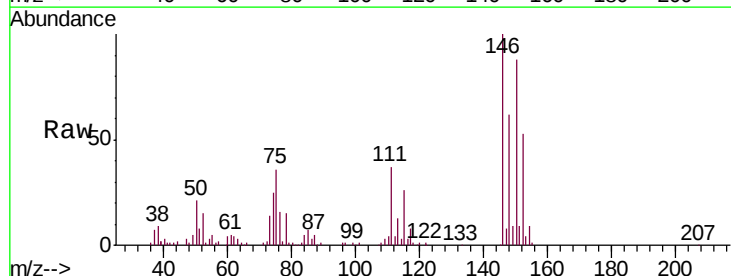
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00579

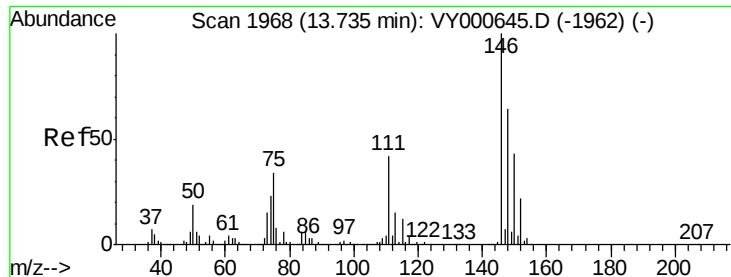
Tgt Ion:146 Resp: 57791
 Ion Ratio Lower Upper
 146 100
 111 42.6 28.8 53.6
 148 71.1 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 5.213 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000644.D
 Acq: 12 Nov 2019 09:49

Tgt Ion:146 Resp: 60826
 Ion Ratio Lower Upper
 146 100
 111 36.5 26.7 49.5
 148 61.9 45.2 84.0

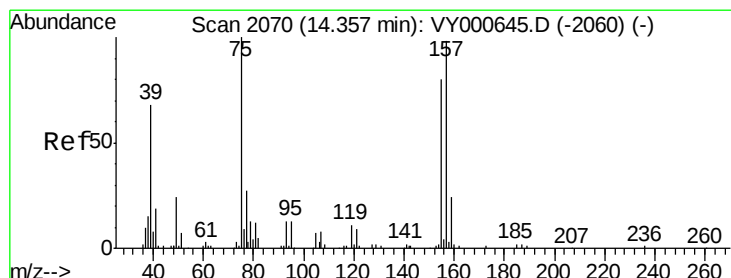
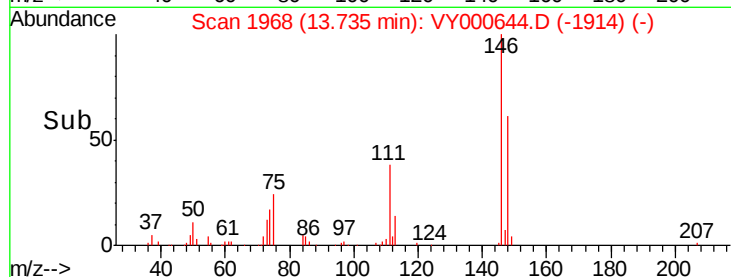
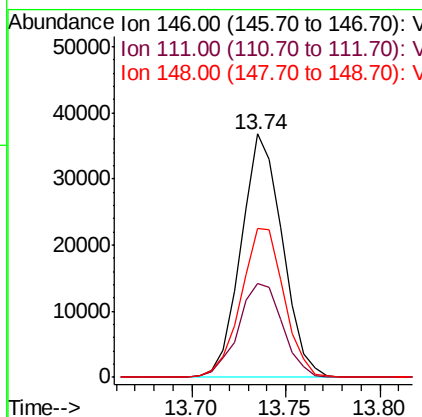
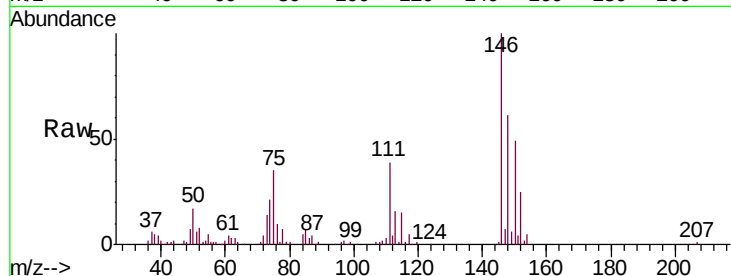




#65
 1,2-Dichlorobenzene
 Concen: 5.169 ug/L
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY000644.D
 Acq: 12 Nov 2019 09:49

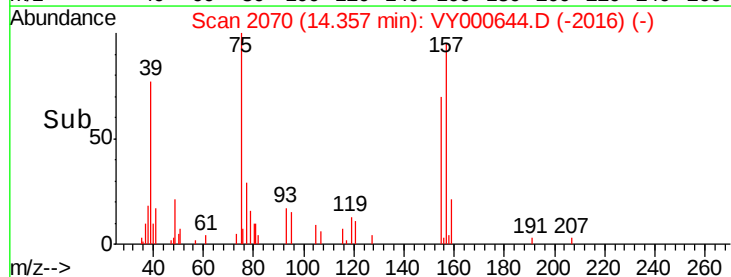
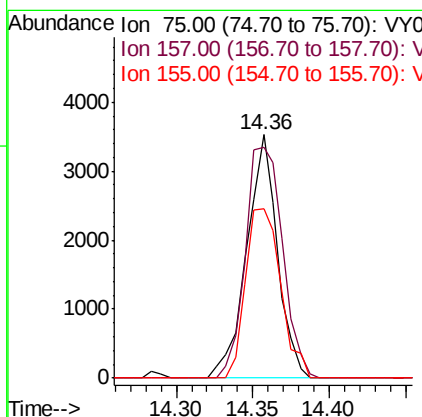
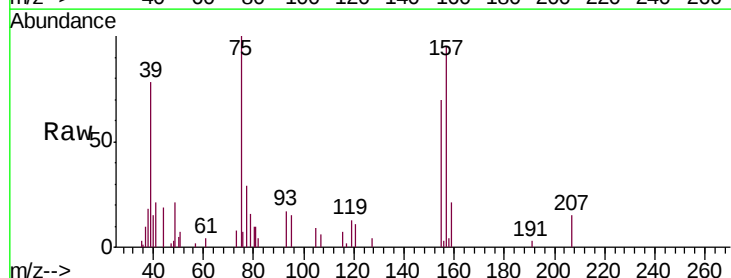
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00579

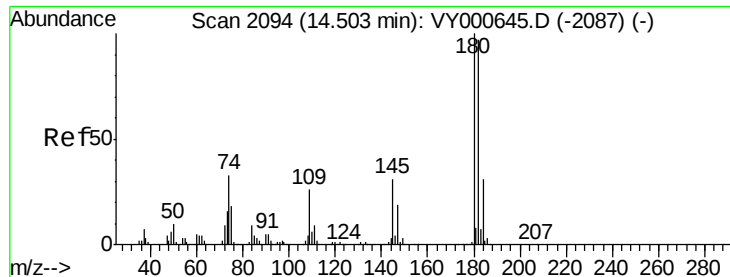
Tgt Ion:146 Resp: 55873
 Ion Ratio Lower Upper
 146 100
 111 38.5 33.8 50.8
 148 61.0 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.768 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000644.D
 Acq: 12 Nov 2019 09:49

Tgt Ion: 75 Resp: 4897
 Ion Ratio Lower Upper
 75 100
 157 94.8 78.1 117.1
 155 69.7 64.2 96.4

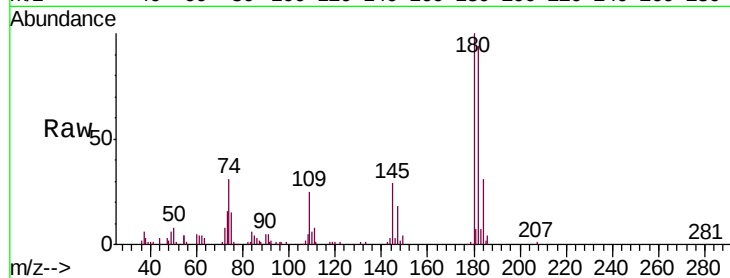




#67
 1,3,5-Trichlorobenzene
 Concen: 5.270 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY000644.D
 Acq: 12 Nov 2019 09:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00579

Tgt Ion:	180	Resp:	42888
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.6	113.4
184	30.3	24.5	36.7
145	27.9	25.1	37.7



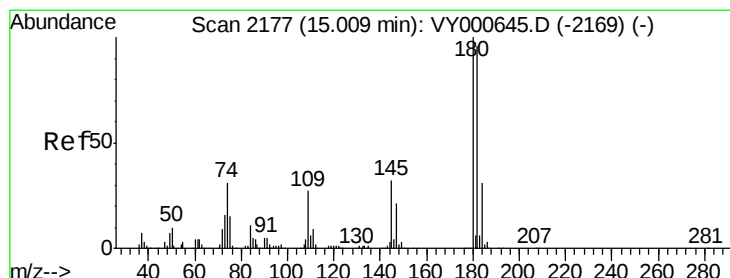
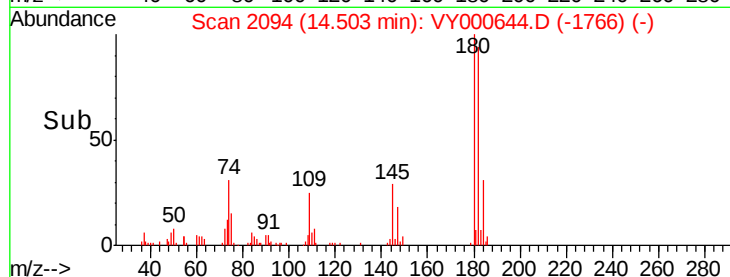
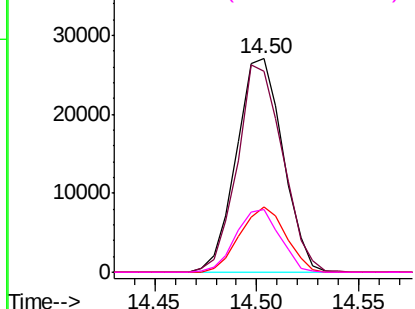
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

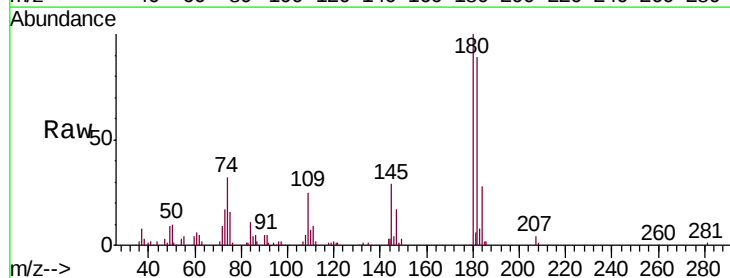
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.262 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY000644.D
 Acq: 12 Nov 2019 09:49

Tgt Ion:	180	Resp:	38268
Ion	Ratio	Lower	Upper
180	100		
182	92.6	77.5	116.3
145	30.4	25.4	38.2

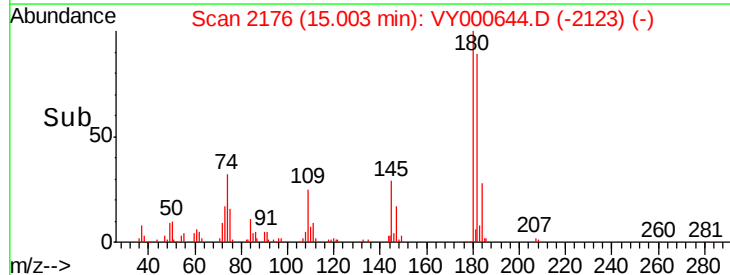
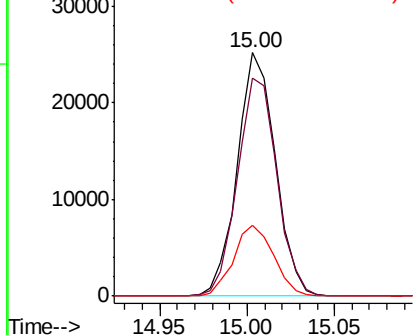


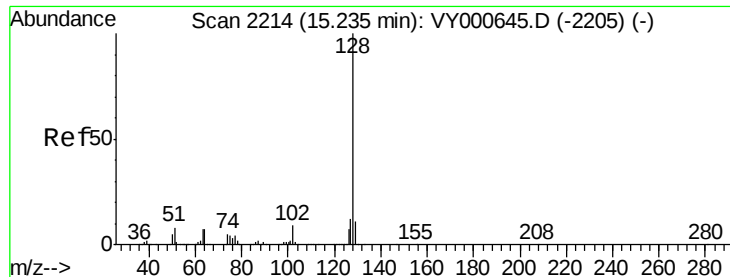
Abundance

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: 4.868 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000644.D

Acq: 12 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00579

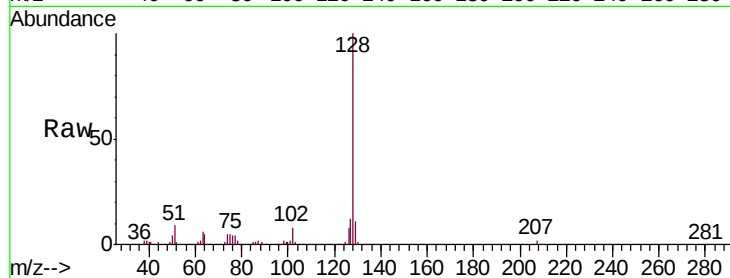
Tgt Ion:128 Resp: 88231

Ion Ratio Lower Upper

128 100

129 11.7 8.4 12.6

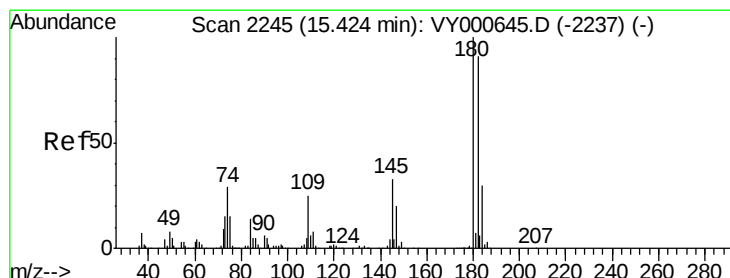
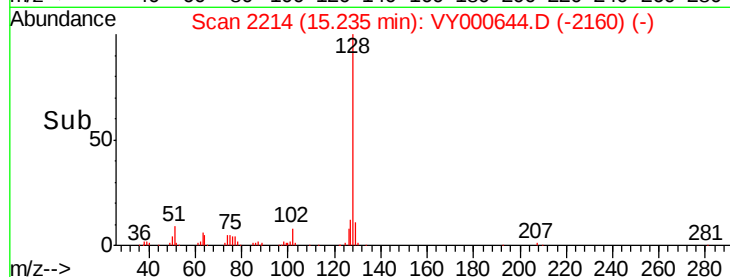
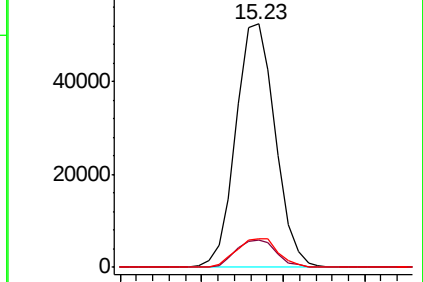
127 12.6 9.8 14.6



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: 5.178 ug/L

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY000644.D

Acq: 12 Nov 2019 09:49

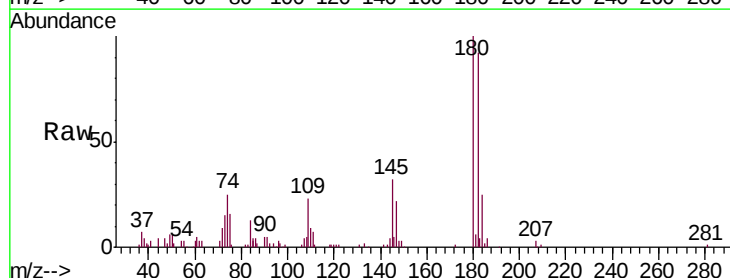
Tgt Ion:180 Resp: 35017

Ion Ratio Lower Upper

180 100

182 95.7 76.2 114.4

145 31.7 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

