

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110519\
 Data File : VY000538.D
 Acq On : 05 Nov 2019 16:00
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025841

Quant Time: Nov 06 07:04:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL110519SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 06 07:01:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	370899	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	344725	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	171277	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	130581	23.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.44%
7) Chloroethane-d5	2.76	69	112454	22.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.36%
11) 1,1-Dichloroethene-d2	3.86	63	233750	23.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.36%
21) 2-Butanone-d5	6.90	46	103419	41.69	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.38%
24) Chloroform-d	7.49	84	228898	23.68	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.72%
26) 1,2-Dichloroethane-d4	8.15	65	135633	23.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.96%
32) Benzene-d6	8.12	84	469867	23.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.28%
36) 1,2-Dichloropropane-d6	9.13	67	147556	24.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.16%
41) Toluene-d8	10.18	98	431002	23.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.04%
43) trans-1,3-Dichloropropene-	10.44	79	71715	23.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.56%
47) 2-Hexanone-d5	10.79	63	83177	43.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.48%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	150672	22.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.64%
66) 1,2-Dichlorobenzene-d4	13.72	152	158496	23.69	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.90	85	114837	22.277	ug/L	97
3) Chloromethane	2.12	50	153979	22.749	ug/L	98
5) Vinyl chloride	2.25	62	153864	24.345	ug/L	100
6) Bromomethane	2.65	94	80477	27.814	ug/L	96
8) Chloroethane	2.80	64	94218	24.156	ug/L	95
9) Trichlorofluoromethane	3.13	101	216314	24.256	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	126170	24.367	ug/L	100
12) 1,1-Dichloroethene	3.88	96	119142	24.183	ug/L	95
13) Acetone	3.96	43	84166	35.560	ug/L	95
14) Carbon disulfide	4.19	76	385493	24.673	ug/L	99
15) Methyl Acetate	4.48	43	89769	21.283	ug/L	98
16) Methylene chloride	4.72	84	134844	22.310	ug/L	94
17) trans-1,2-Dichloroethene	5.22	96	132247	24.155	ug/L	89
18) Methyl tert-butyl Ether	5.22	73	369823	23.705	ug/L	99
19) 1,1-Dichloroethane	6.02	63	234723	24.459	ug/L	95
20) cis-1,2-Dichloroethene	6.99	96	149802	24.440	ug/L	96
22) 2-Butanone	7.00	43	144474	39.839	ug/L	99

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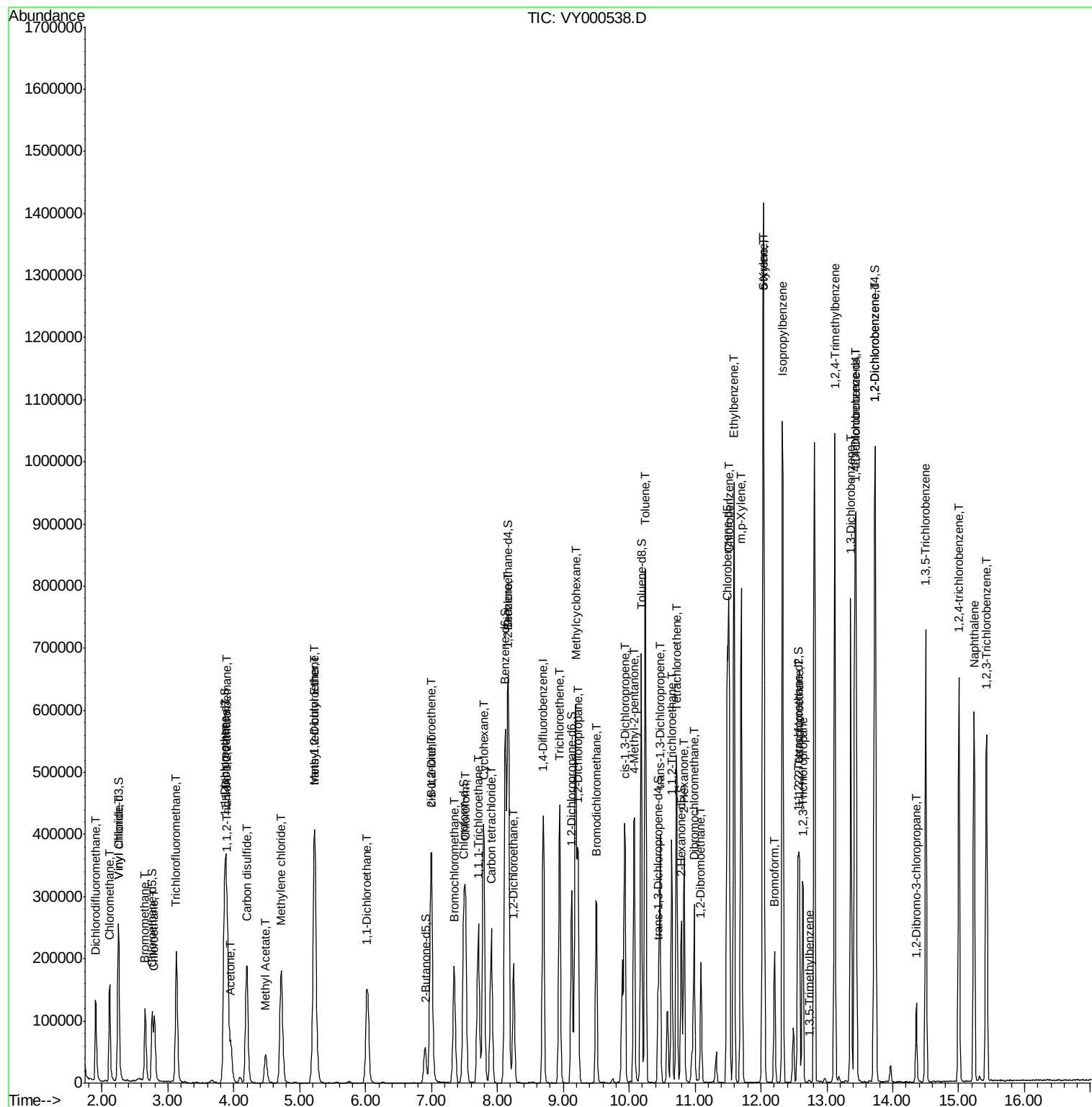
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	66788	24.239	ug/L	95
25) Chloroform	7.52	83	242034	24.421	ug/L	98
27) 1,2-Dichloroethane	8.24	62	172037	24.300	ug/L	98
29) Cyclohexane	7.79	56	224893	23.883	ug/L	97
30) 1,1,1-Trichloroethane	7.71	97	212687	25.577	ug/L	99
31) Carbon tetrachloride	7.91	117	189497	24.712	ug/L	99
33) Benzene	8.17	78	556160	24.565	ug/L	100
34) Trichloroethene	8.94	95	143628	24.039	ug/L	96
35) Methylcyclohexane	9.19	83	244775	23.850	ug/L	98
37) 1,2-Dichloropropane	9.22	63	137903	23.875	ug/L #	95
38) Bromodichloromethane	9.50	83	181799	24.738	ug/L	97
39) cis-1,3-Dichloropropene	9.93	75	230547	24.909	ug/L	99
40) 4-Methyl-2-pentanone	10.07	43	282265	44.345	ug/L	99
42) Toluene	10.25	91	595595	24.634	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	201686	24.658	ug/L	95
45) 1,1,2-Trichloroethane	10.65	97	117376	23.938	ug/L	96
46) Tetrachloroethene	10.72	164	111159	24.372	ug/L	97
48) 2-Hexanone	10.83	43	217798	43.771	ug/L	99
49) Dibromochloromethane	10.99	129	138426	25.054	ug/L	96
50) 1,2-Dibromoethane	11.09	107	120066	24.211	ug/L #	97
51) Chlorobenzene	11.52	112	383019	24.801	ug/L	100
52) Ethylbenzene	11.59	91	675655	24.496	ug/L	100
53) m,p-Xylene	11.70	106	261773	24.767	ug/L	99
54) o-Xylene	12.03	106	251658	24.516	ug/L	100
55) Styrene	12.05	104	425926	24.536	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.58	83	157852	23.749	ug/L	99
59) Bromoform	12.20	173	88150	24.272	ug/L	98
60) Isopropylbenzene	12.33	105	660603	24.229	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	123967	22.863	ug/L	99
62) 1,3,5-Trimethylbenzene	12.73	105	2449	0.110	ug/L	92
63) 1,2,4-Trimethylbenzene	13.12	105	533823	24.229	ug/L	94
64) 1,3-Dichlorobenzene	13.36	146	291352	23.839	ug/L	95
65) 1,4-Dichlorobenzene	13.44	146	291764	23.726	ug/L	98
67) 1,2-Dichlorobenzene	13.74	146	274901	24.016	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.36	75	28141	22.420	ug/L	98
69) 1,3,5-Trichlorobenzene	14.50	180	206715	24.504	ug/L	99
70) 1,2,4-trichlorobenzene	15.01	180	187912	24.456	ug/L	99
71) Naphthalene	15.23	128	471308	23.479	ug/L	100
72) 1,2,3-Trichlorobenzene	15.42	180	174675	24.539	ug/L	99

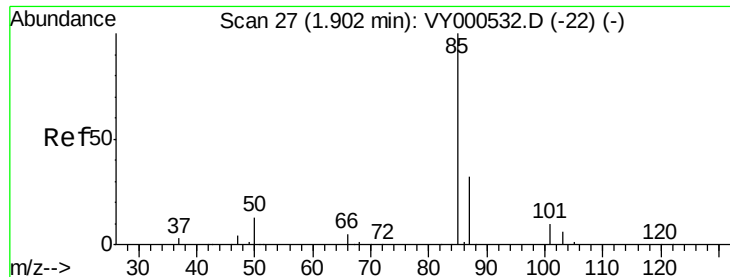
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.277 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000538.D

Acq: 05 Nov 2019 16:00

Instrument :

MSVOA_Y

ClientSampleId :

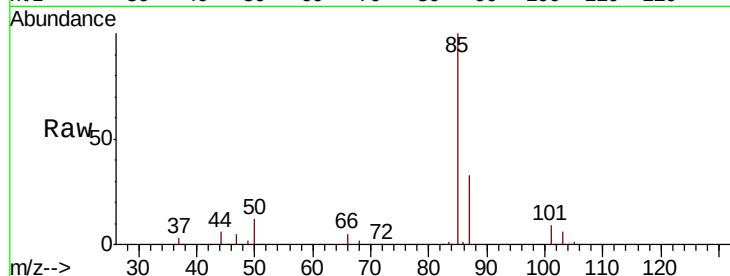
VSTD025841

Tot Ion: 85 Resp: 114837

Ion Ratio Lower Upper

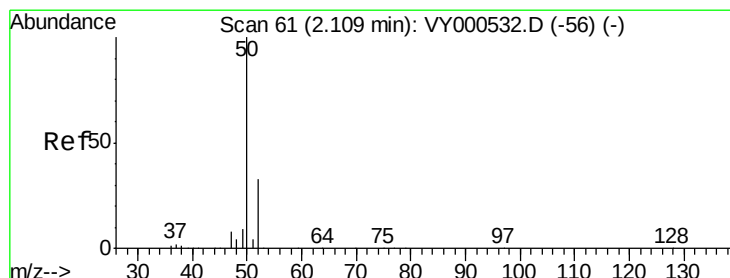
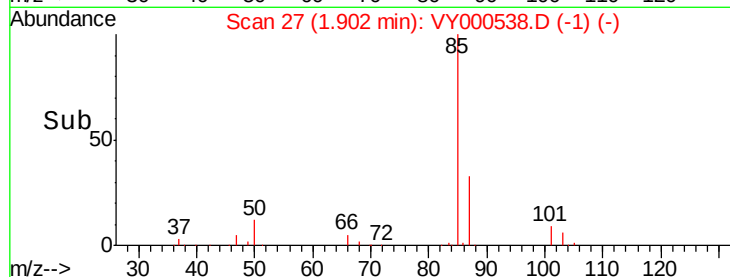
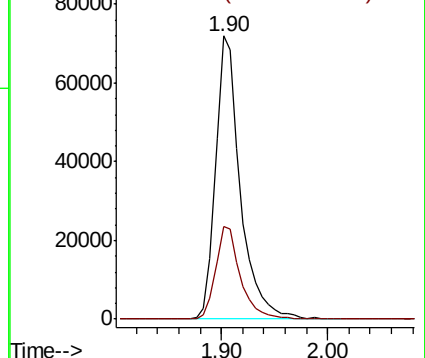
85 100

87 32.8 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 22.749 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000538.D

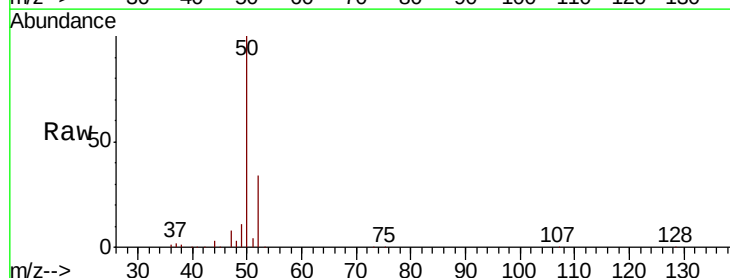
Acq: 05 Nov 2019 16:00

Tgt Ion: 50 Resp: 153979

Ion Ratio Lower Upper

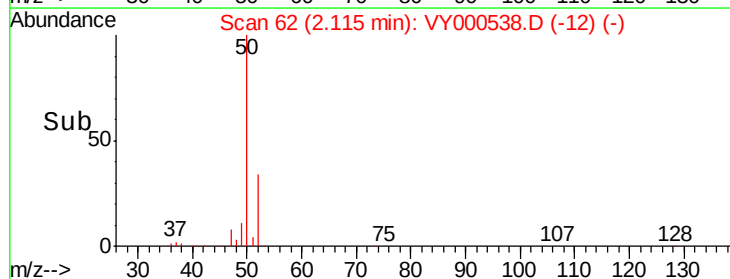
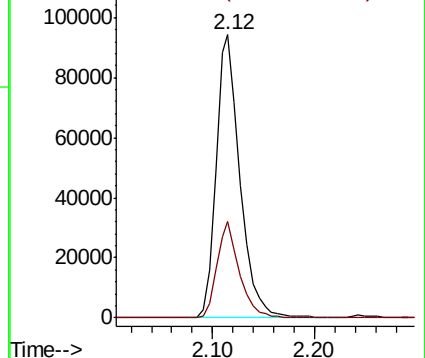
50 100

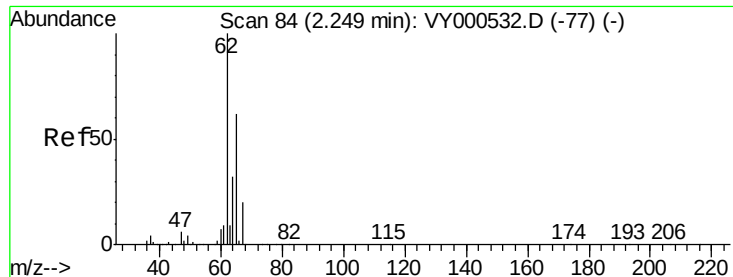
52 34.1 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 24.345 ug/L

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000538.D

Acq: 05 Nov 2019 16:00

Instrument :

MSVOA_Y

ClientSampleId :

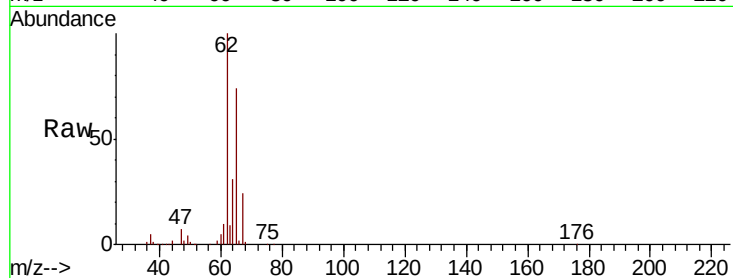
VSTD025841

Tot Ion: 62 Resp: 153864

Ion Ratio Lower Upper

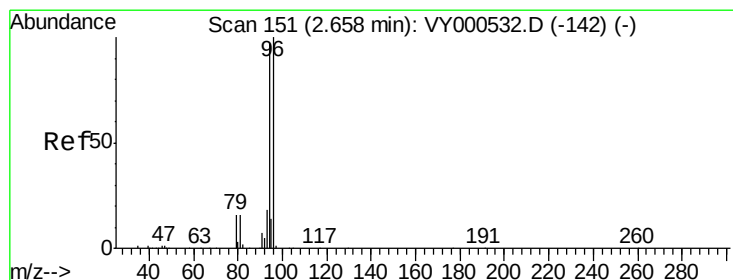
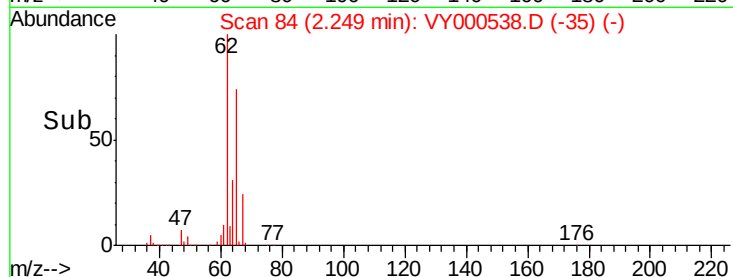
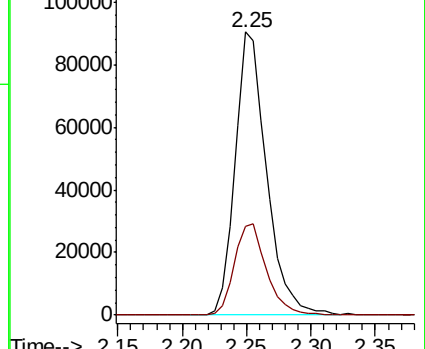
62 100

64 31.4 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 27.814 ug/L

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY000538.D

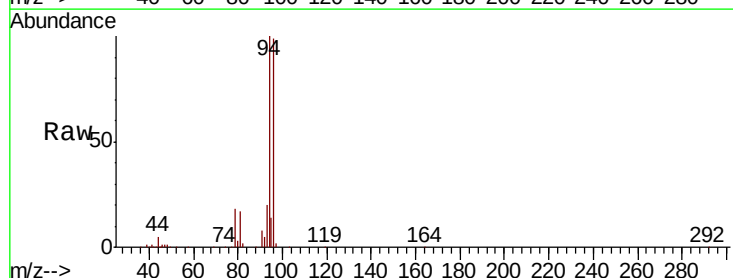
Acq: 05 Nov 2019 16:00

Tgt Ion: 94 Resp: 80477

Ion Ratio Lower Upper

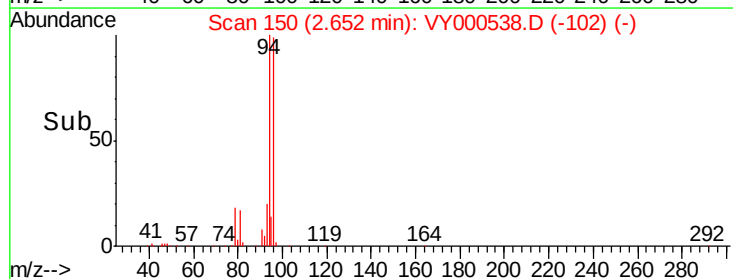
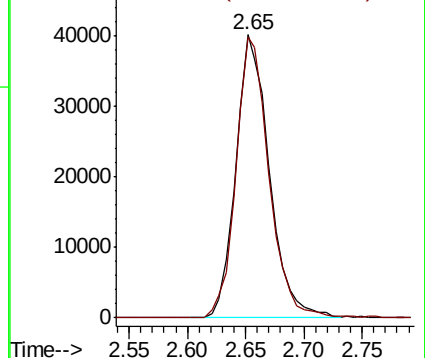
94 100

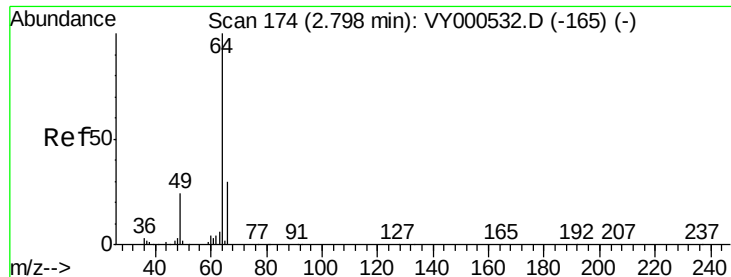
96 99.3 72.2 134.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 24.156 ug/L

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY000538.D

Acq: 05 Nov 2019 16:00

Instrument :

MSVOA_Y

ClientSampleId :

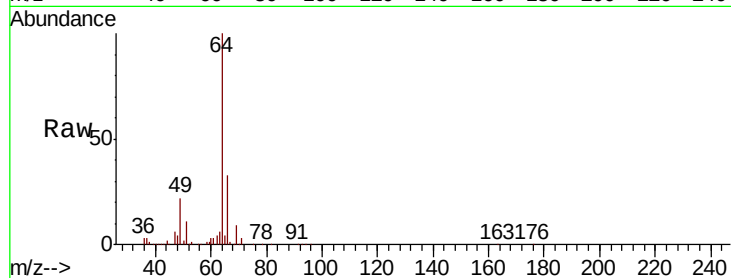
VSTD025841

Tot Ion: 64 Resp: 94218

Ion Ratio Lower Upper

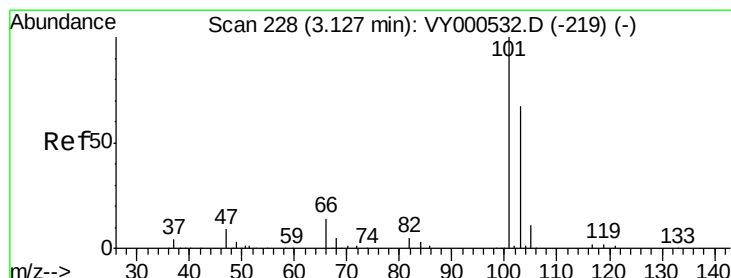
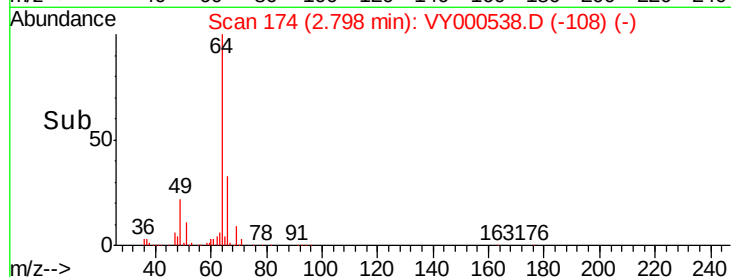
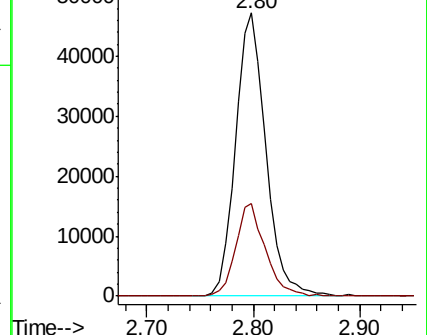
64 100

66 32.6 20.9 38.7



Abundance Ion 64.00 (63.70 to 64.70): VY000538.D (-165) (-)

Ion 66.00 (65.70 to 66.70): VY000538.D (-165) (-)



#9

Trichlorofluoromethane

Concen: 24.256 ug/L

RT: 3.13 min Scan# 228

Delta R.T. 0.00 min

Lab File: VY000538.D

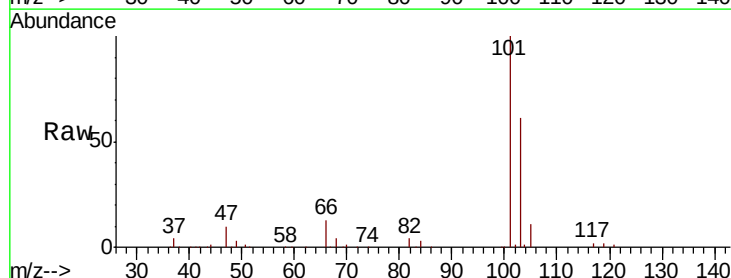
Acq: 05 Nov 2019 16:00

Tgt Ion: 101 Resp: 216314

Ion Ratio Lower Upper

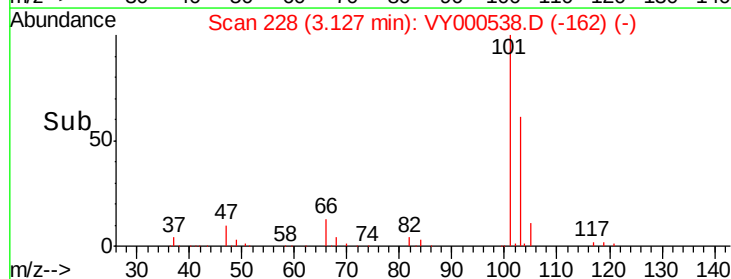
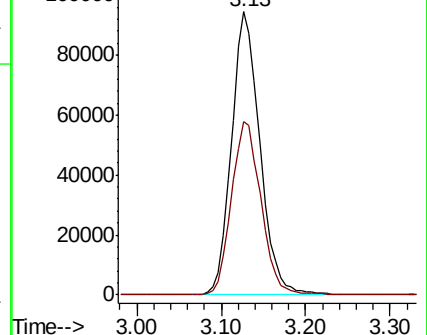
101 100

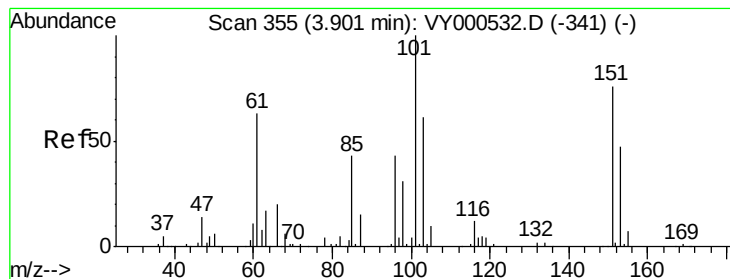
103 63.5 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VY000538.D (-219) (-)

Ion 103.00 (102.70 to 103.70): VY000538.D (-219) (-)





#10

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

Concen: 24.367 ug/L

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY000538.D

Acq: 05 Nov 2019 16:00

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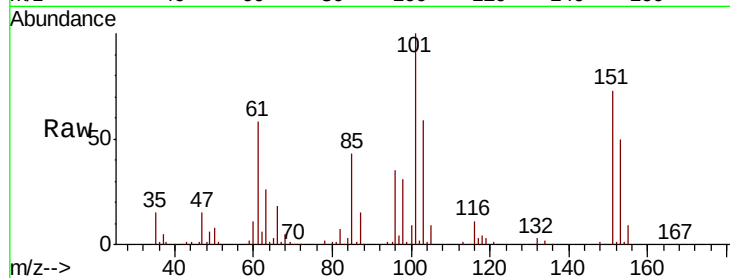
Tot Ion:101 Resp: 126170

Ion Ratio Lower Upper

101 100

85 44.9 35.8 53.8

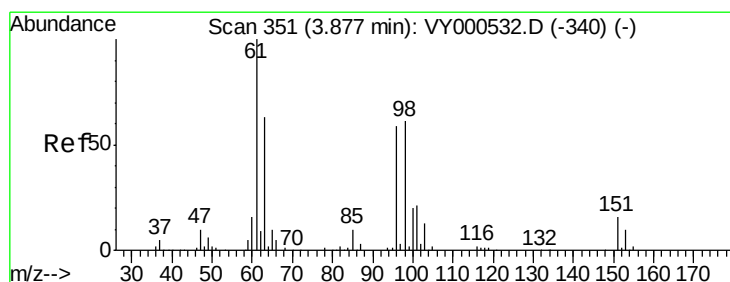
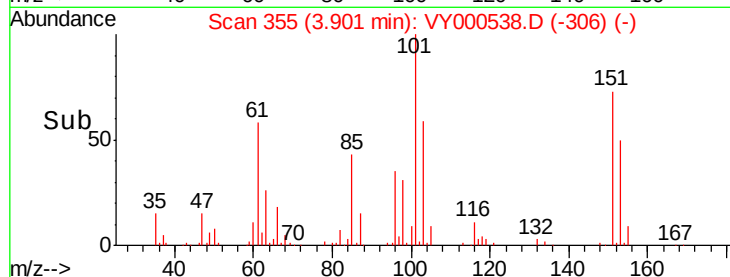
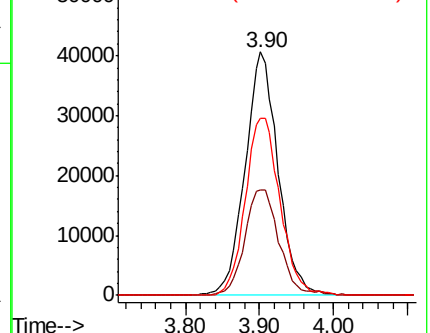
151 75.9 61.0 91.6



Abundance Ion 101.00 (100.70 to 101.70): VY000538.D (-306) (-)

Ion 85.00 (84.70 to 85.70): VY000538.D (-306) (-)

Ion 151.00 (150.70 to 151.70): VY000538.D (-306) (-)



#12

1,1-Dichloroethene

Concen: 24.183 ug/L

RT: 3.88 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY000538.D

Acq: 05 Nov 2019 16:00

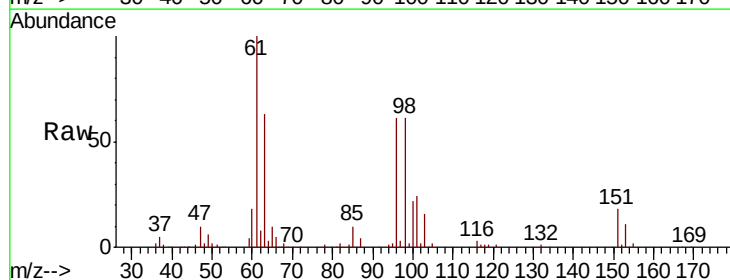
Tgt Ion: 96 Resp: 119142

Ion Ratio Lower Upper

96 100

61 165.1 118.6 220.2

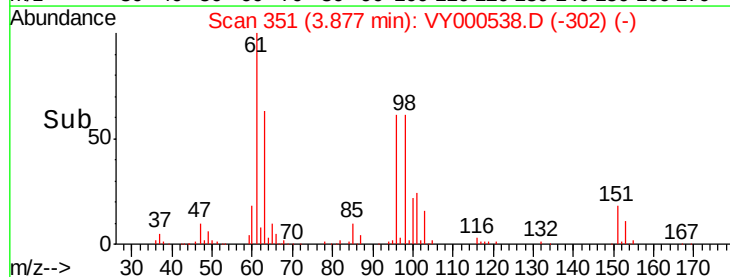
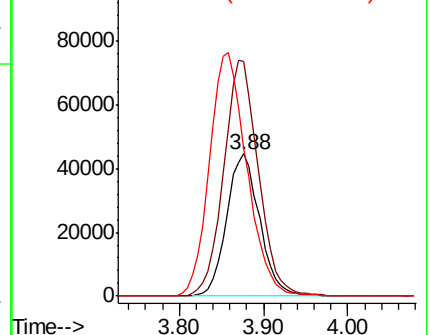
63 103.8 77.8 144.6

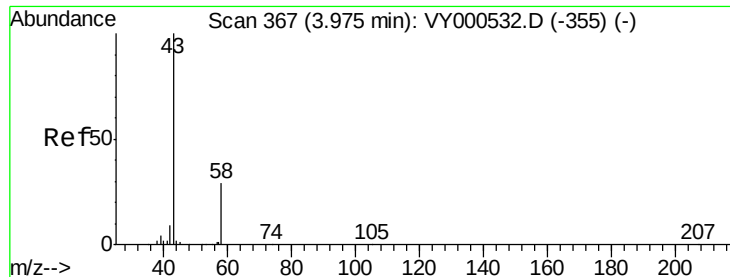


Abundance Ion 96.00 (95.70 to 96.70): VY000538.D (-302) (-)

Ion 61.00 (60.70 to 61.70): VY000538.D (-302) (-)

Ion 63.00 (62.70 to 63.70): VY000538.D (-302) (-)

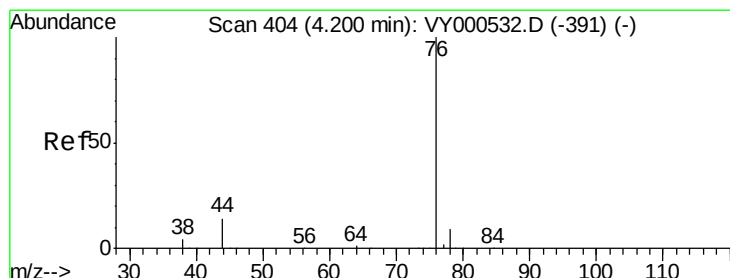
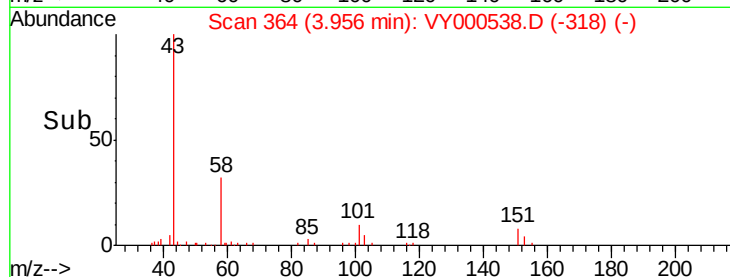
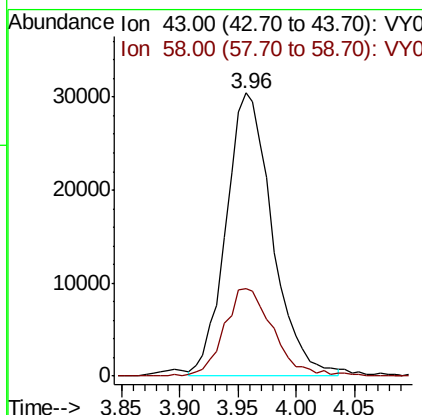
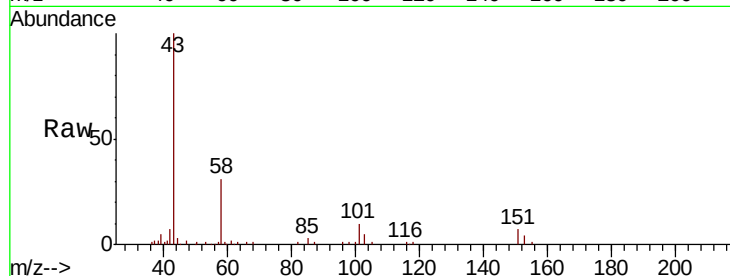




#13
Acetone
Concen: 35.560 ug/L
RT: 3.96 min Scan# 364
Delta R.T. -0.02 min
Lab File: VY000538.D
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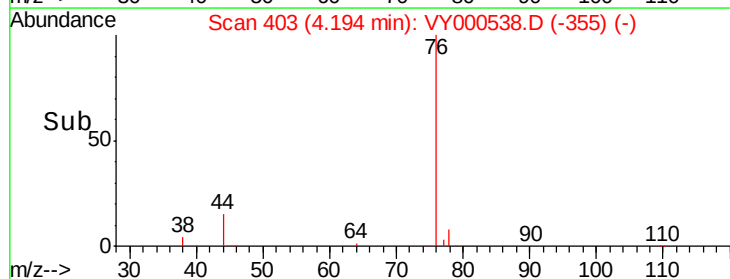
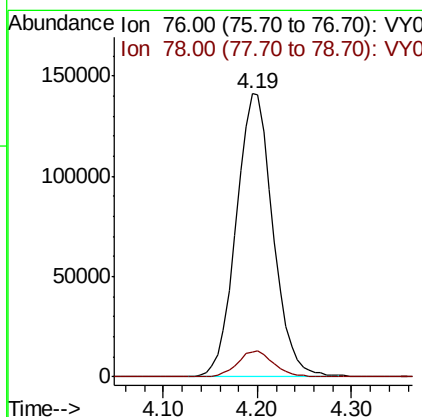
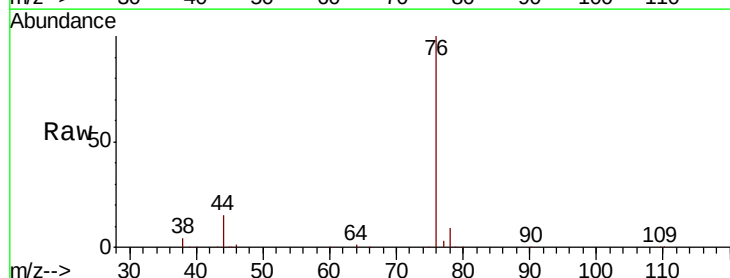
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025841

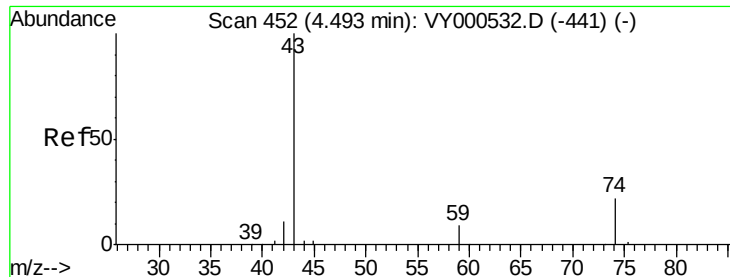
Tot Ion: 43 Resp: 84166
Ion Ratio Lower Upper
43 100
58 32.0 0.0 69.6



#14
Carbon disulfide
Concen: 24.673 ug/L
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000538.D
Acq: 05 Nov 2019 16:00

Tgt Ion: 76 Resp: 385493
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9

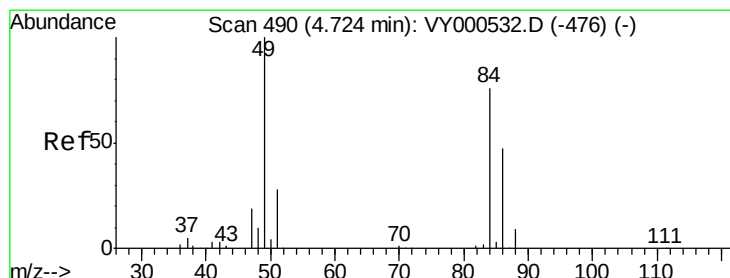
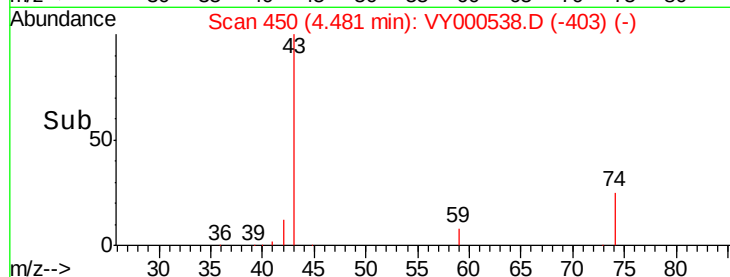
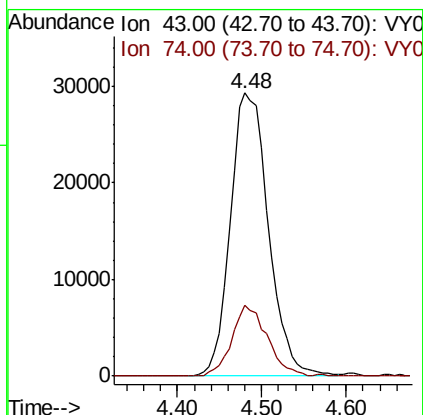
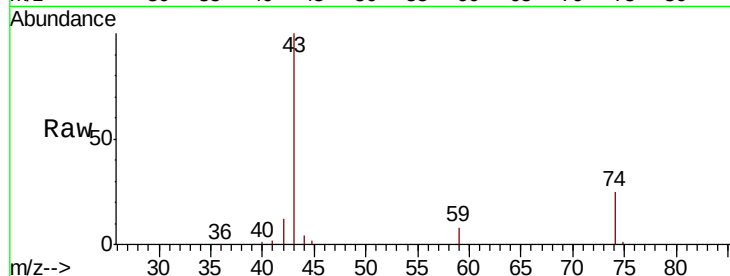




#15
Methyl Acetate
Concen: 21.283 ug/L
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY000538.D
Acq: 05 Nov 2019 16:00

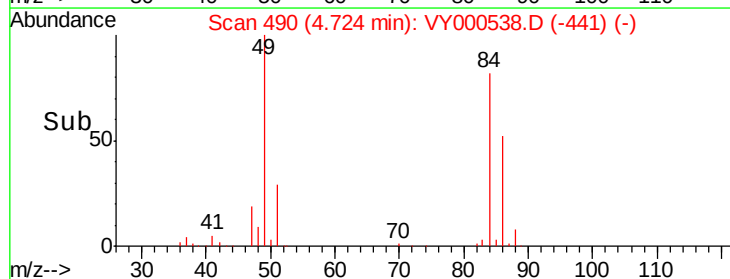
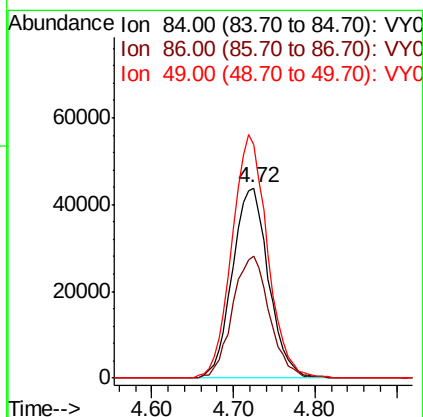
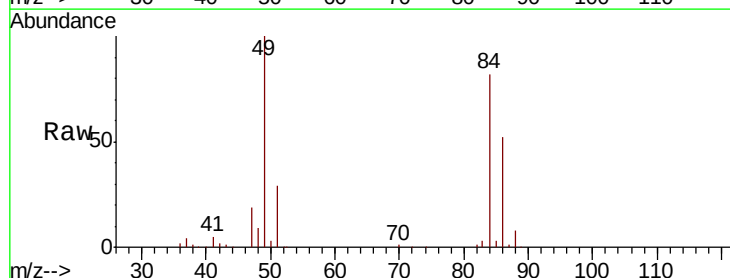
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025841

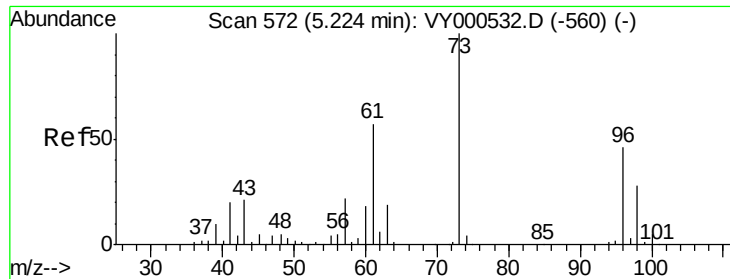
Tot Ion: 43 Resp: 89769
Ion Ratio Lower Upper
43 100
74 23.1 17.9 26.9



#16
Methylene chloride
Concen: 22.310 ug/L
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000538.D
Acq: 05 Nov 2019 16:00

Tgt Ion: 84 Resp: 134844
Ion Ratio Lower Upper
84 100
86 64.0 43.4 80.6
49 122.5 92.3 171.3

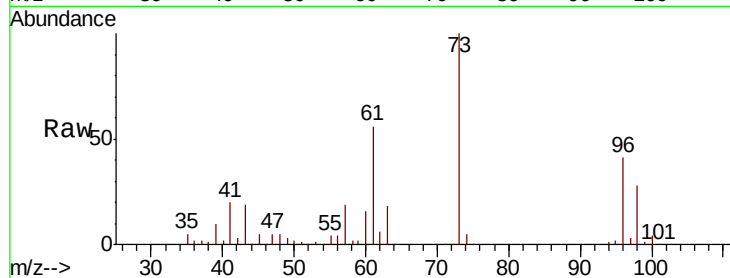




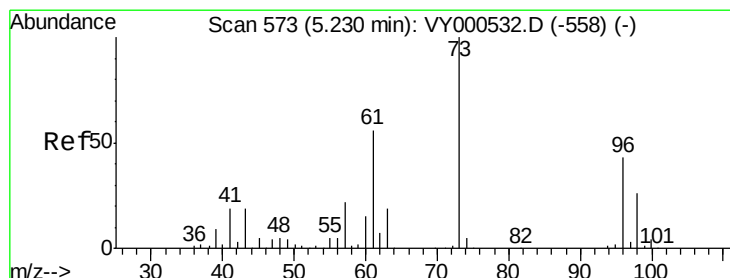
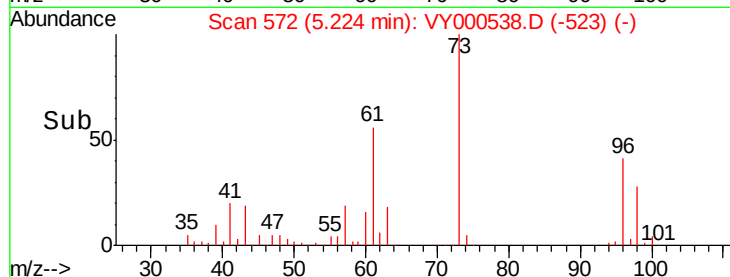
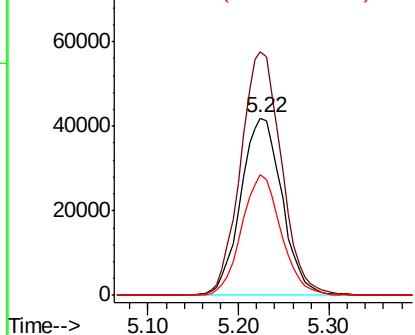
#17
trans-1,2-Dichloroethene
Concen: 24.155 ug/L
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY000538.D
Acq: 05 Nov 2019 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025841

Tot Ion: 96 Resp: 132247
Ion Ratio Lower Upper
96 100
61 137.4 86.9 161.5
98 67.9 42.6 79.0

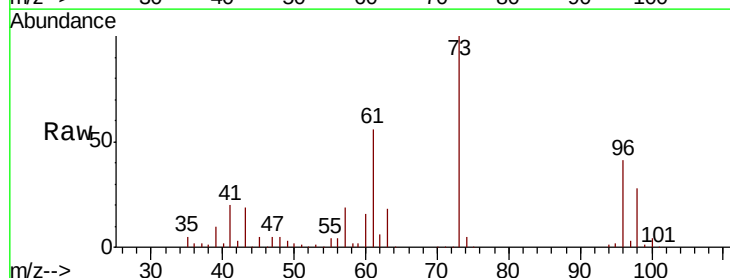


Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

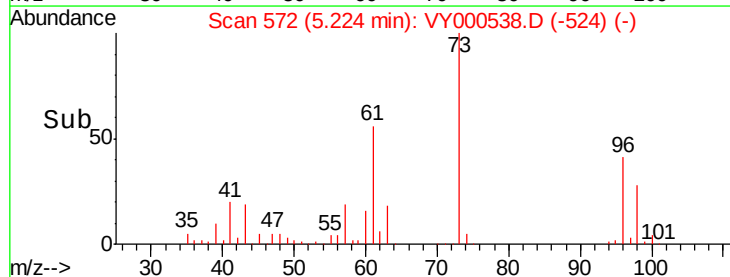
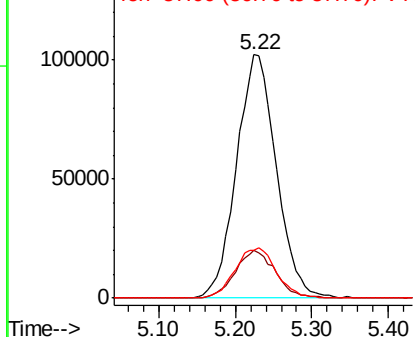


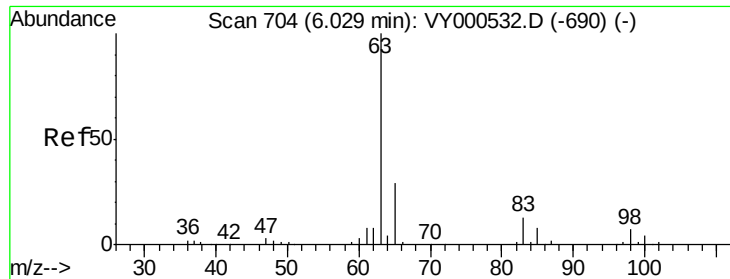
#18
Methyl tert-butyl Ether
Concen: 23.705 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000538.D
Acq: 05 Nov 2019 16:00

Tgt Ion: 73 Resp: 369823
Ion Ratio Lower Upper
73 100
43 19.4 15.7 23.5
57 21.3 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

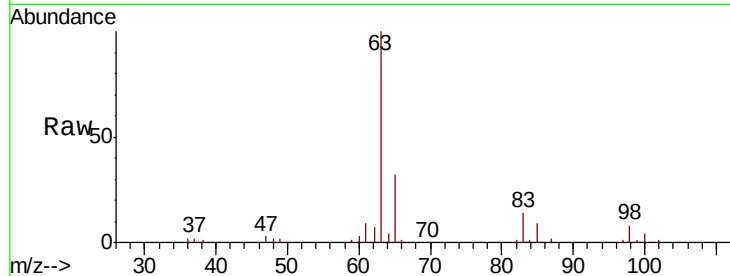




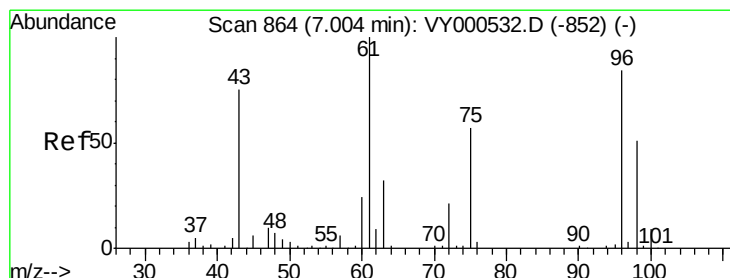
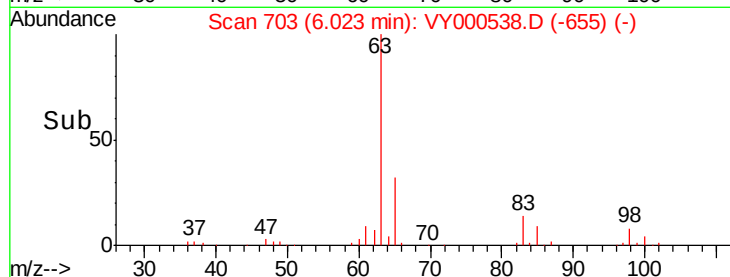
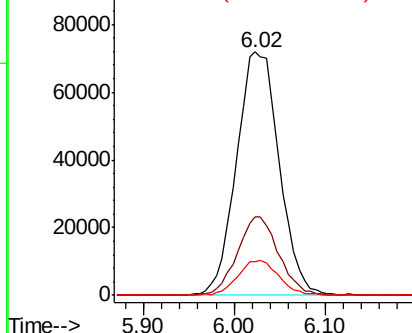
#19
 1,1-Dichloroethane
 Concen: 24.459 ug/L
 RT: 6.02 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VY000538.D
 Acq: 05 Nov 2019 16:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025841

Tot Ion: 63 Resp: 234723
 Ion Ratio Lower Upper
 63 100
 65 32.3 20.2 37.4
 83 14.0 9.2 17.2

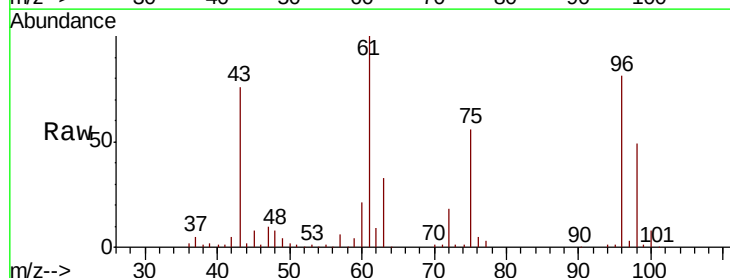


Abundance Ion 63.00 (62.70 to 63.70): VY0
 Ion 65.00 (64.70 to 65.70): VY0
 Ion 83.00 (82.70 to 83.70): VY0

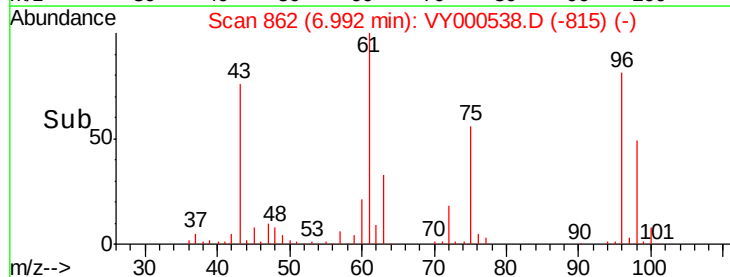
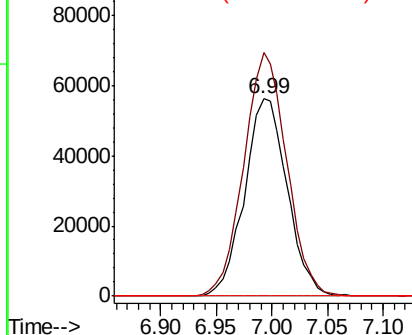


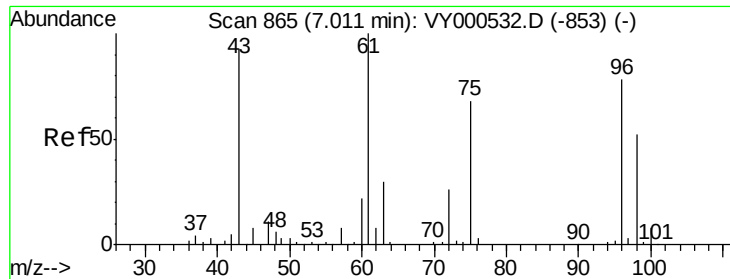
#20
 cis-1,2-Dichloroethene
 Concen: 24.440 ug/L
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY000538.D
 Acq: 05 Nov 2019 16:00

Tgt Ion: 96 Resp: 149802
 Ion Ratio Lower Upper
 96 100
 61 123.6 83.7 155.4
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 68.00 (67.70 to 68.70): VY0





#22

2-Butanone

Concen: 39.839 ug/L

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY000538.D

Acq: 05 Nov 2019 16:00

Instrument :

MSVOA_Y

ClientSampleId :

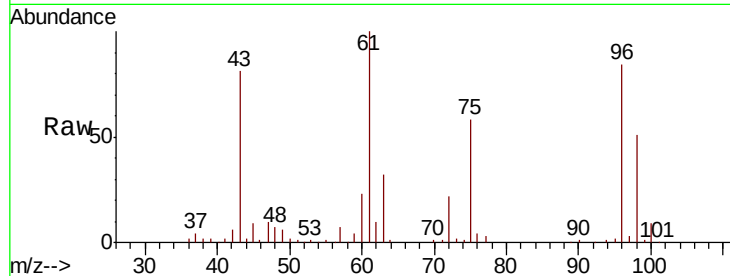
VSTD025841

Tot Ion: 43 Resp: 144474

Ion Ratio Lower Upper

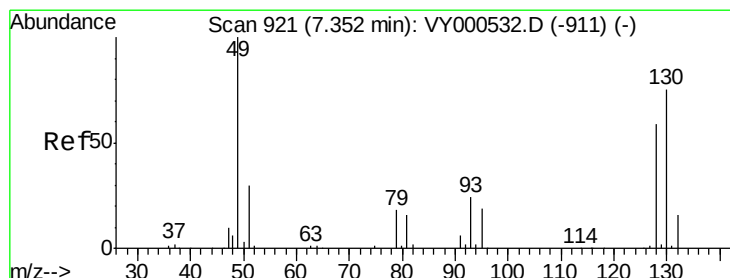
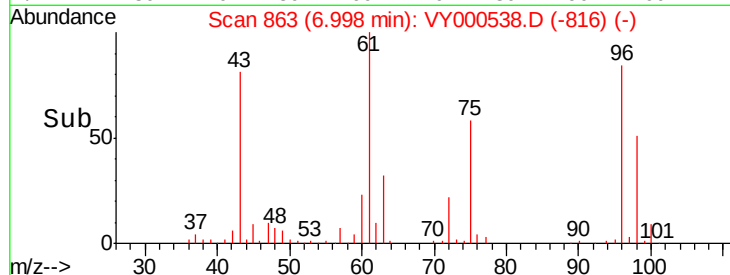
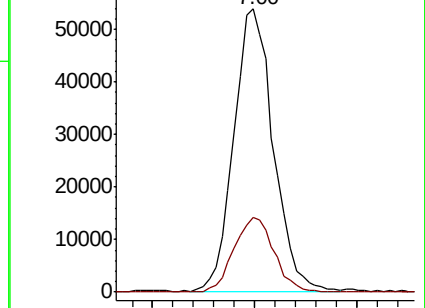
43 100

72 26.8 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VY000532.D (-853) (-)

Ion 72.00 (71.70 to 72.70): VY000532.D (-853) (-)



#23

Bromochloromethane

Concen: 24.239 ug/L

RT: 7.35 min Scan# 920

Delta R.T. -0.01 min

Lab File: VY000538.D

Acq: 05 Nov 2019 16:00

Tgt Ion: 128 Resp: 66788

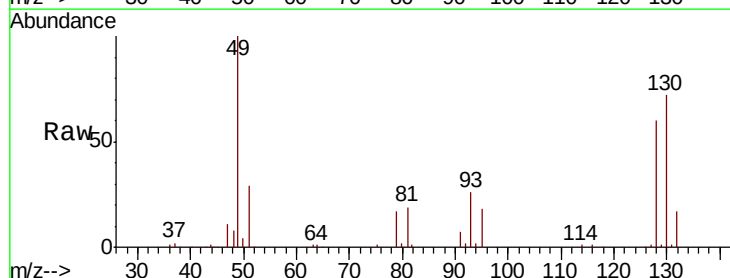
Ion Ratio Lower Upper

128 100

49 165.9 119.8 222.4

130 120.0 89.8 166.8

51 48.5 40.8 61.2

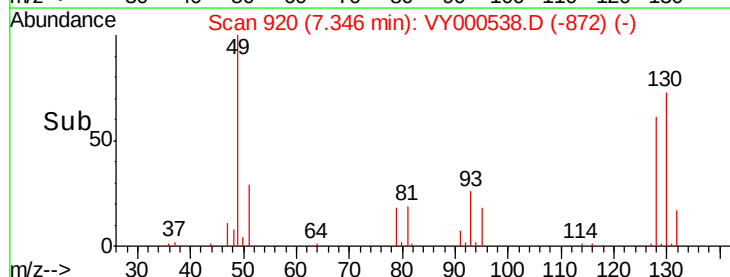
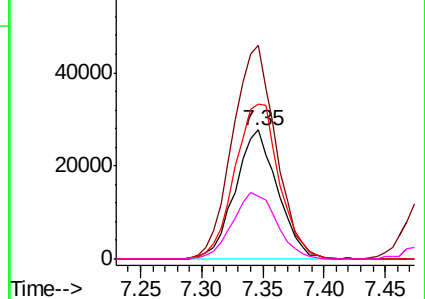


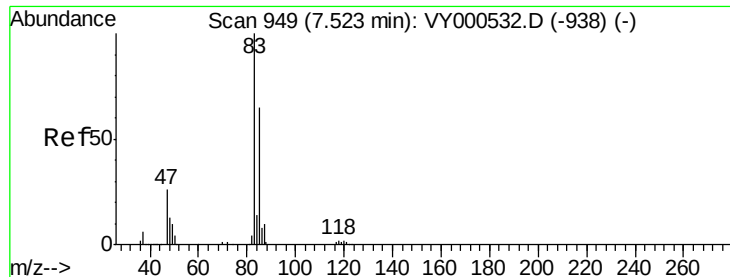
Abundance Ion 128.00 (127.70 to 128.70): VY000532.D (-911) (-)

Ion 49.00 (48.70 to 49.70): VY000532.D (-911) (-)

Ion 130.00 (129.70 to 130.70): VY000532.D (-911) (-)

Ion 51.00 (50.70 to 51.70): VY000532.D (-911) (-)

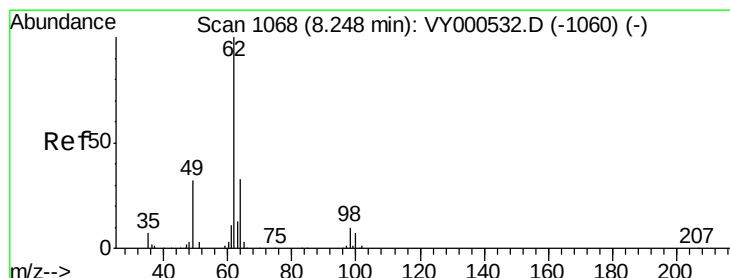
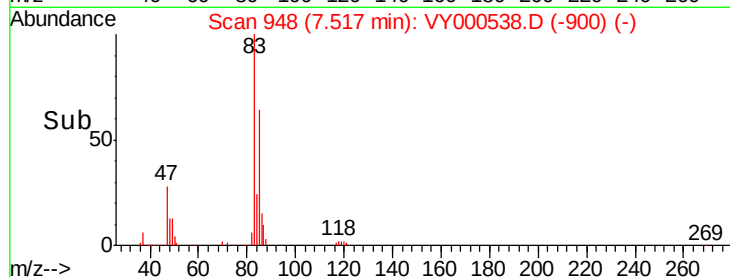
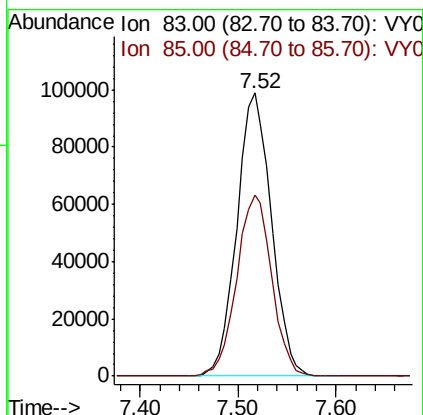
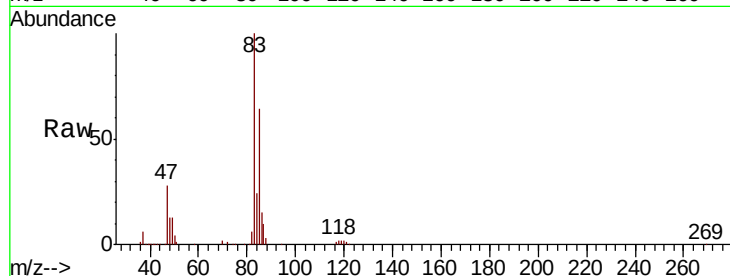




#25
Chloroform
Concen: 24.421 ug/L
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000538.D
Acq: 05 Nov 2019 16:00

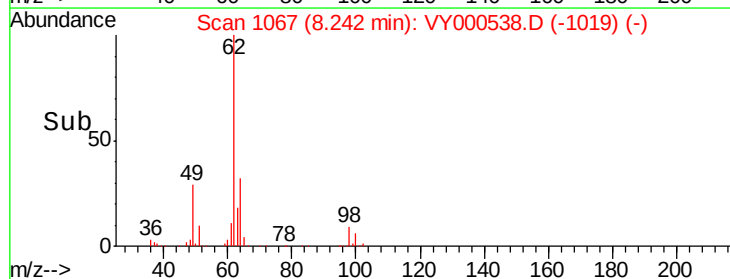
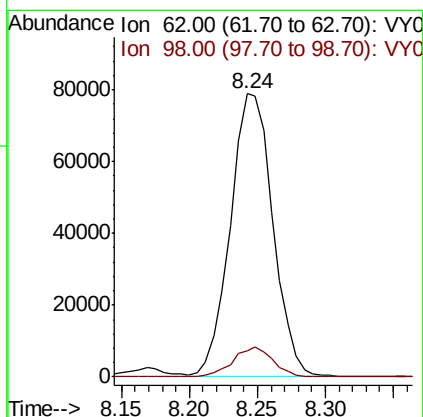
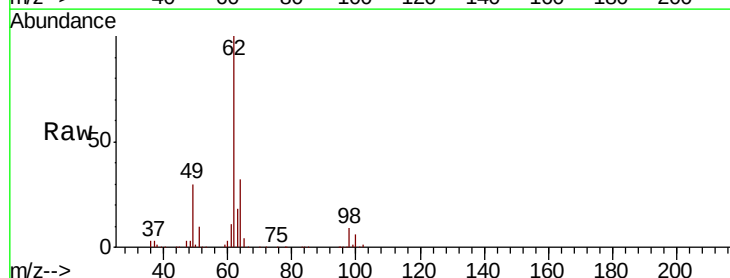
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025841

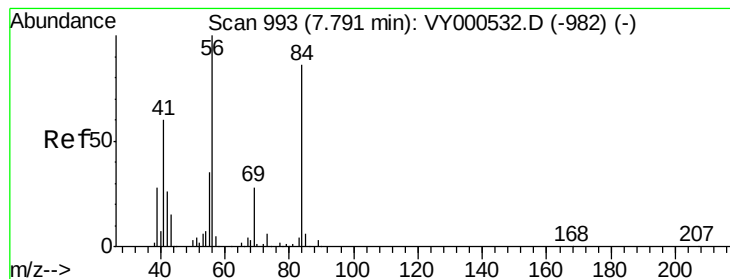
Tot Ion: 83 Resp: 242034
Ion Ratio Lower Upper
83 100
85 64.0 46.0 85.4



#27
1,2-Dichloroethane
Concen: 24.300 ug/L
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY000538.D
Acq: 05 Nov 2019 16:00

Tgt Ion: 62 Resp: 172037
Ion Ratio Lower Upper
62 100
98 9.1 7.8 11.8





#29

Cyclohexane

Concen: 23.883 ug/L

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY000538.D

Acq: 05 Nov 2019 16:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025841

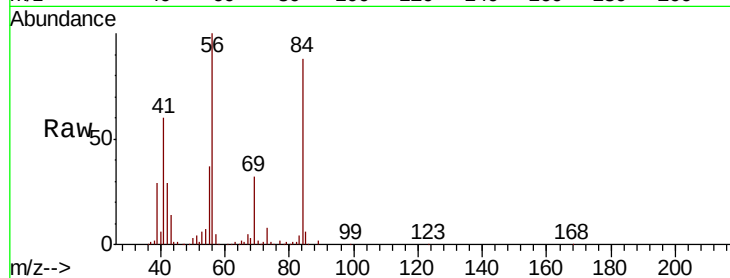
Tot Ion: 56 Resp: 224893

Ion Ratio Lower Upper

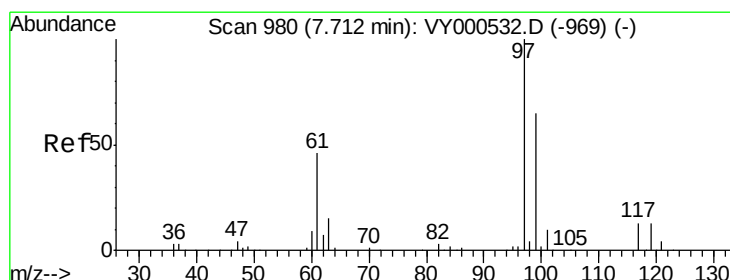
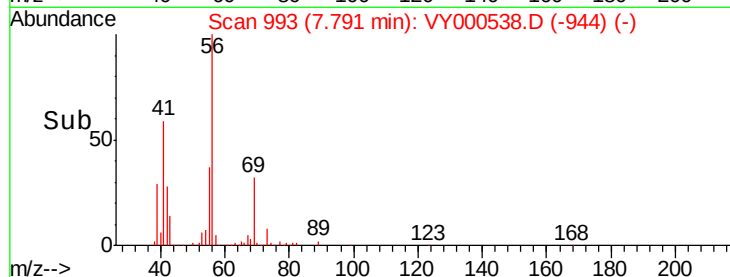
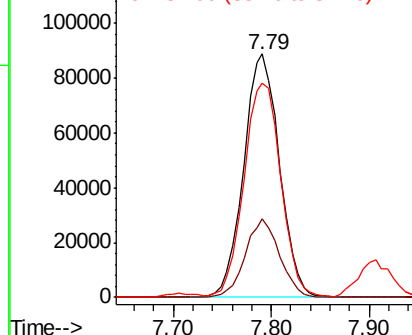
56 100

69 30.8 23.4 35.2

84 91.0 70.2 105.2



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



#30

1,1,1-Trichloroethane

Concen: 25.577 ug/L

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY000538.D

Acq: 05 Nov 2019 16:00

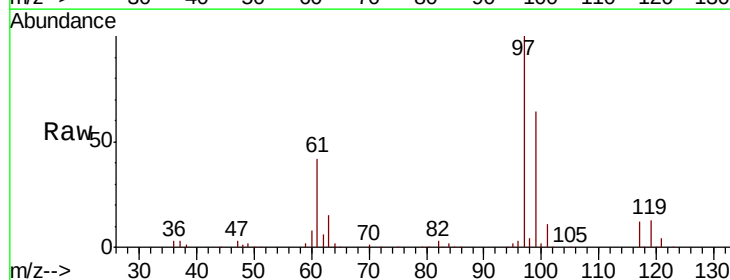
Tgt Ion: 97 Resp: 212687

Ion Ratio Lower Upper

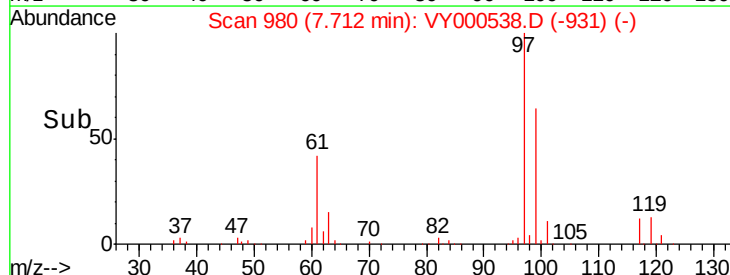
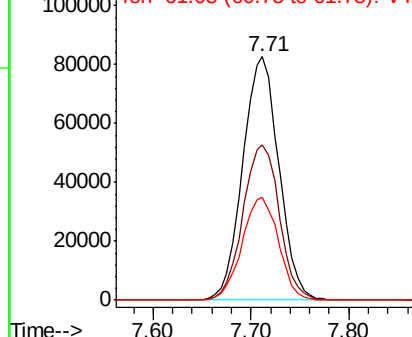
97 100

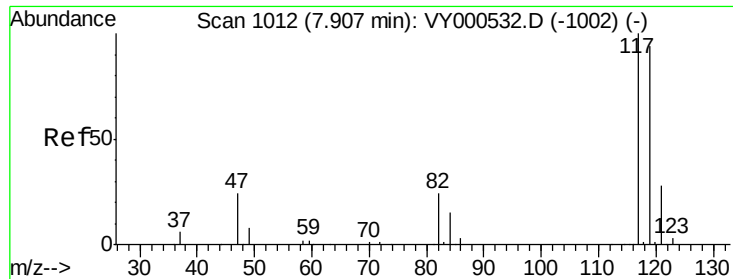
99 64.2 51.4 77.0

61 42.7 35.4 53.0



Abundance Ion 97.00 (96.70 to 97.70): VY0
Ion 99.00 (98.70 to 99.70): VY0
Ion 61.05 (60.75 to 61.75): VY0





#31

Carbon tetrachloride

Concen: 24.712 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VY000538.D

Acq: 05 Nov 2019 16:00

Instrument :

MSVOA_Y

ClientSampleId :

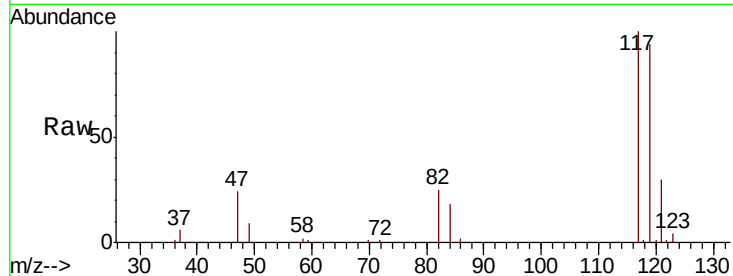
VSTD025841

Tot Ion:117 Resp: 189497

Ion Ratio Lower Upper

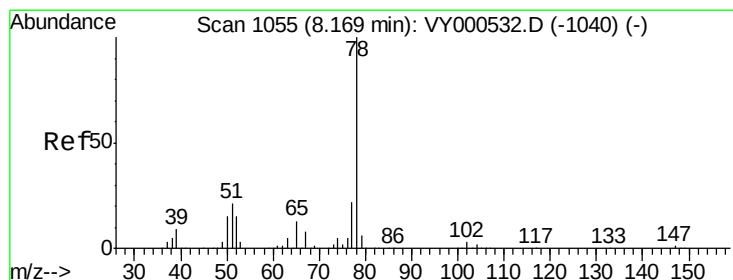
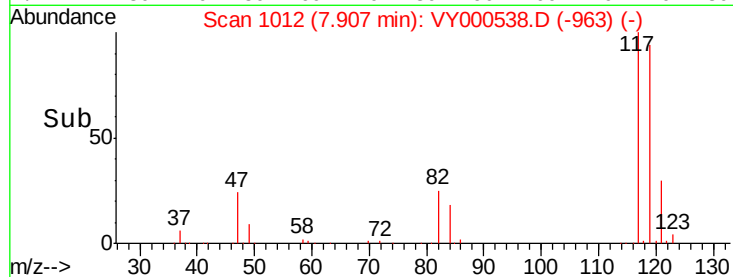
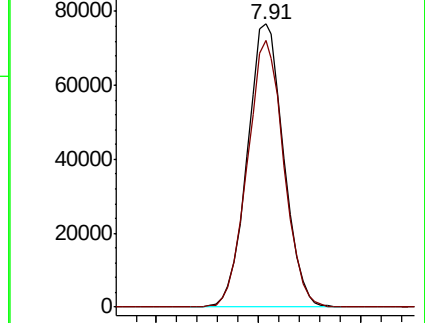
117 100

119 94.3 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 24.565 ug/L

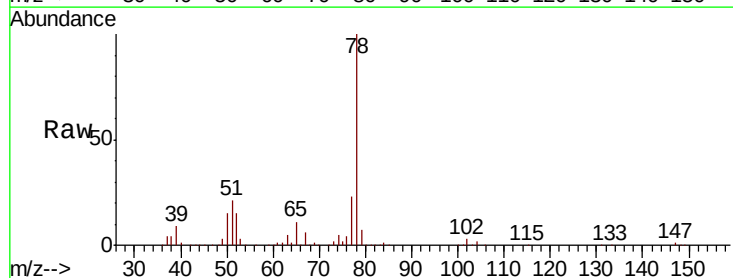
RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

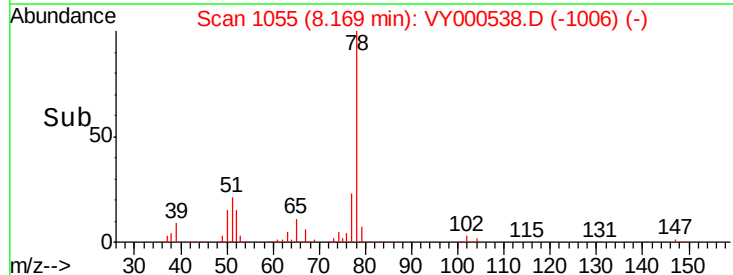
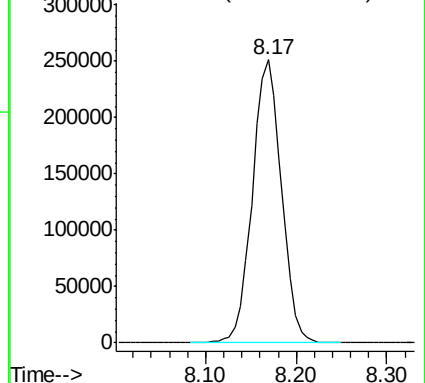
Lab File: VY000538.D

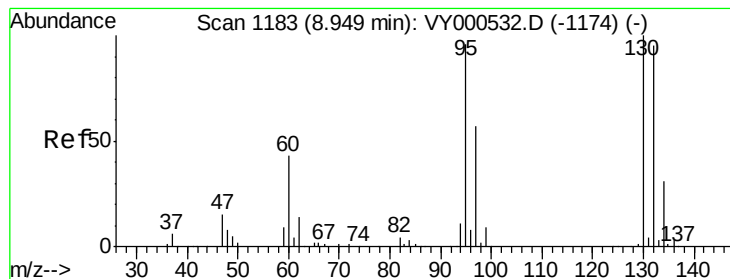
Acq: 05 Nov 2019 16:00

Tgt Ion: 78 Resp: 556160



Abundance Ion 78.00 (77.70 to 78.70): VY0





#34

Trichloroethene

Concen: 24.039 ug/L

RT: 8.94 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VY000538.D

Acq: 05 Nov 2019 16:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025841

Tot Ion: 95 Resp: 143628

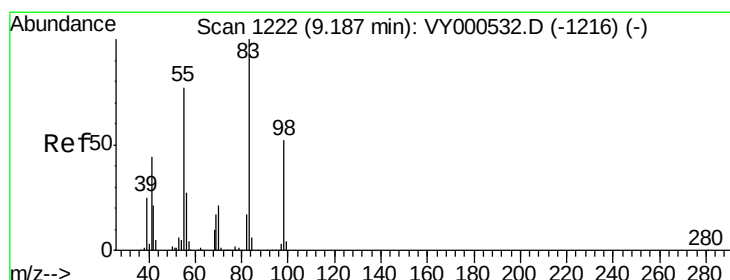
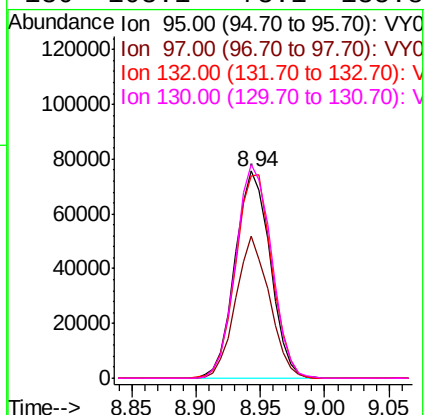
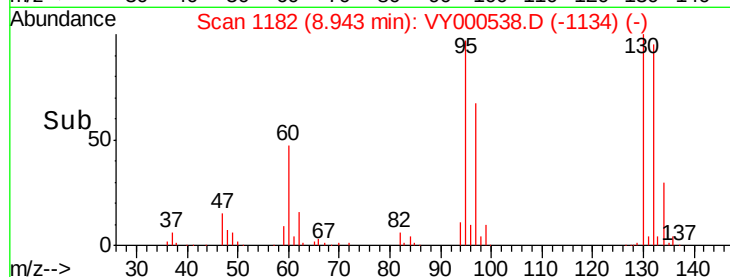
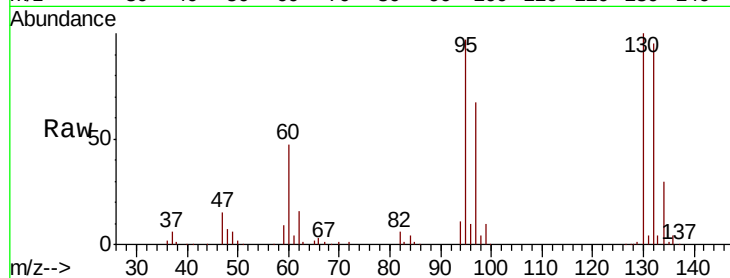
Ion Ratio Lower Upper

95 100

97 68.8 41.4 76.8

132 97.7 69.7 129.4

130 103.1 73.1 135.8



#35

Methylcyclohexane

Concen: 23.850 ug/L

RT: 9.19 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VY000538.D

Acq: 05 Nov 2019 16:00

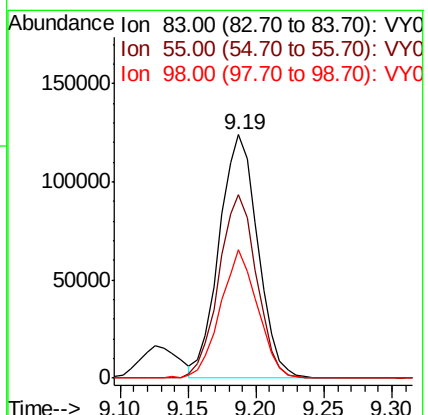
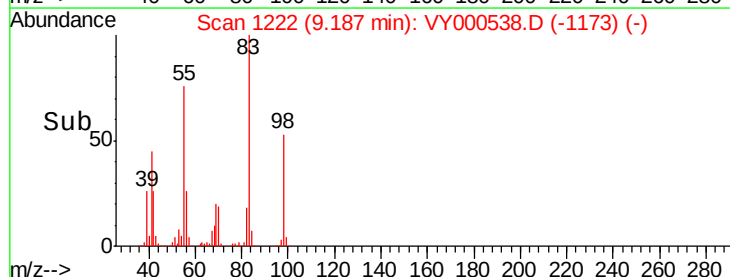
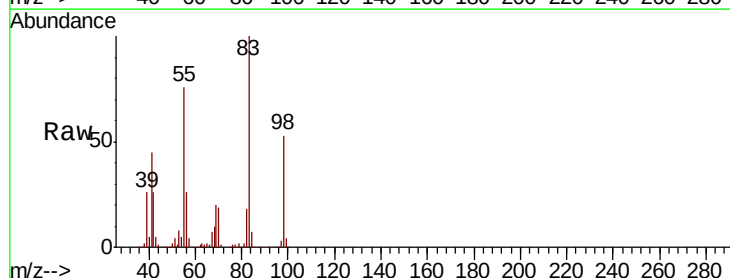
Tgt Ion: 83 Resp: 244775

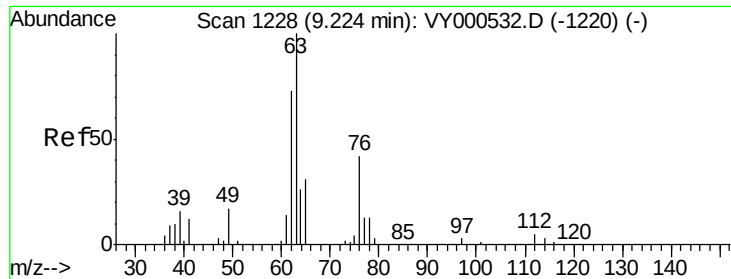
Ion Ratio Lower Upper

83 100

55 73.8 57.8 86.8

98 50.7 38.7 58.1

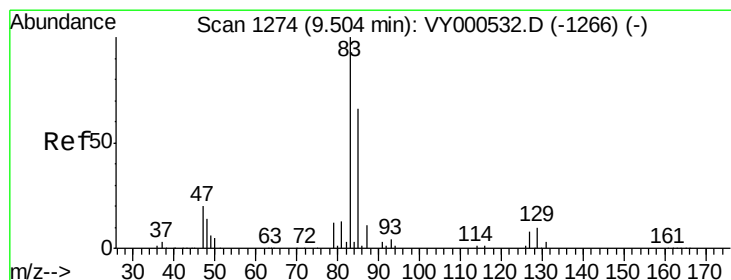
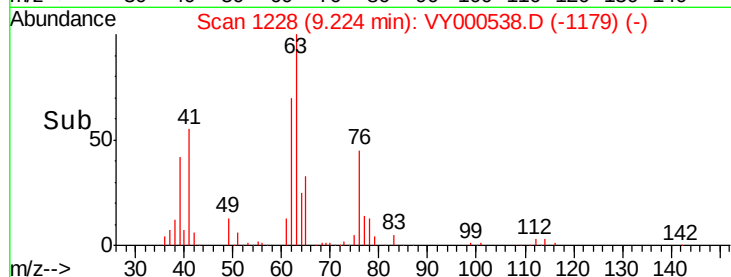
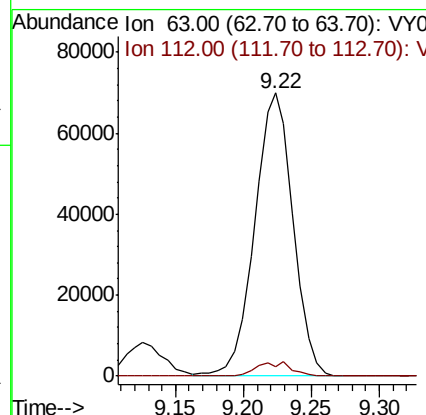
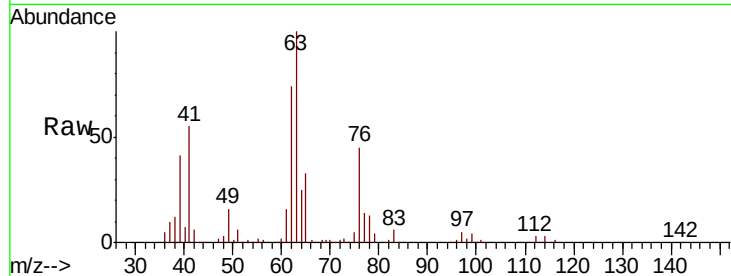




#37
 1,2-Dichloropropane
 Concen: 23.875 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000538.D
 Acq: 05 Nov 2019 16:00

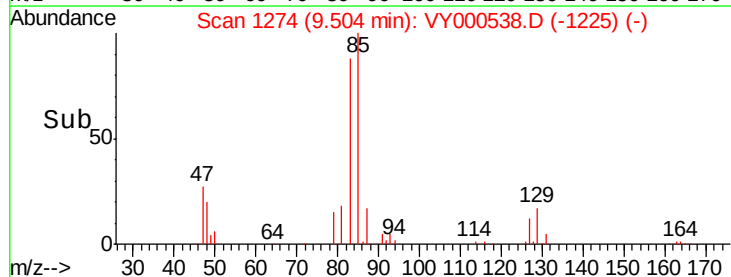
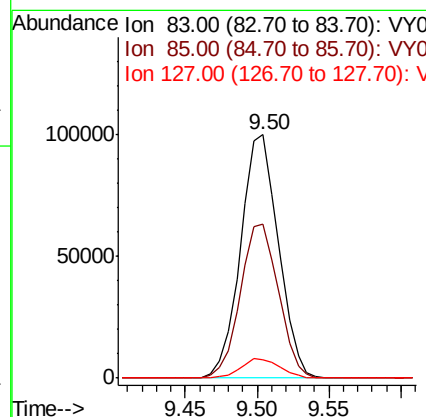
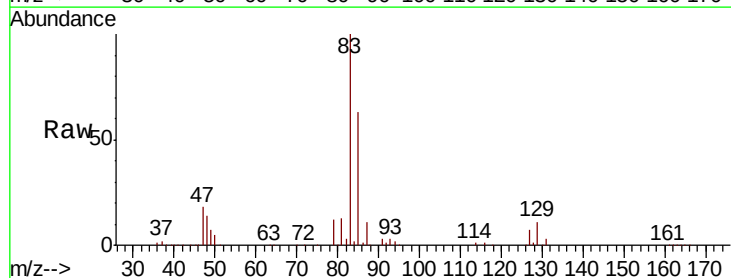
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025841

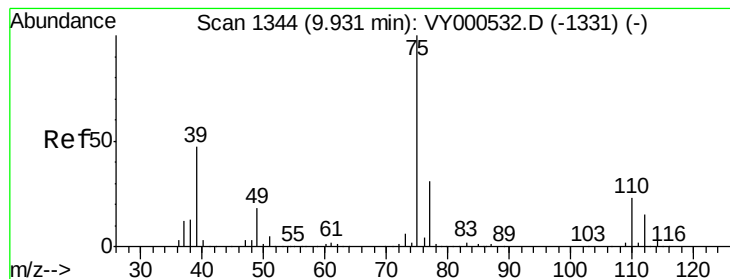
Tot Ion: 63 Resp: 137903
 Ion Ratio Lower Upper
 63 100
 112 2.7 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 24.738 ug/L
 RT: 9.50 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VY000538.D
 Acq: 05 Nov 2019 16:00

Tgt Ion: 83 Resp: 181799
 Ion Ratio Lower Upper
 83 100
 85 63.0 46.1 85.7
 127 7.4 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 24.909 ug/L

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY000538.D

Acq: 05 Nov 2019 16:00

Instrument :

MSVOA_Y

ClientSampleId :

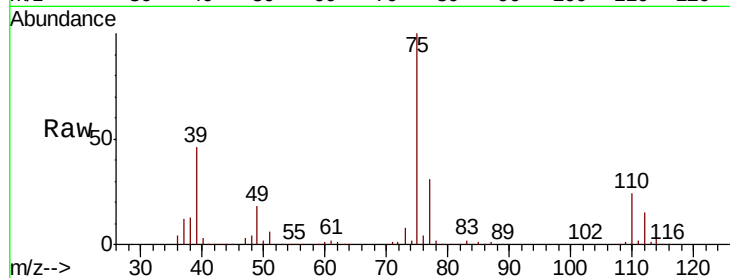
VSTD025841

Tot Ion: 75 Resp: 230547

Ion Ratio Lower Upper

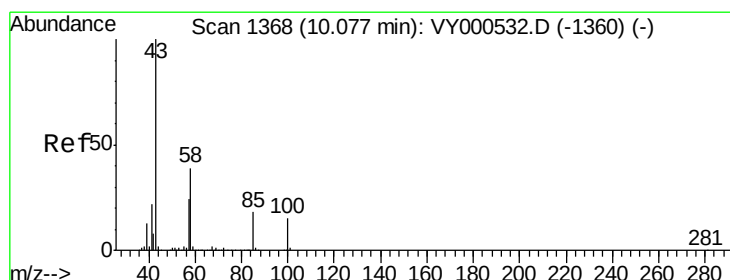
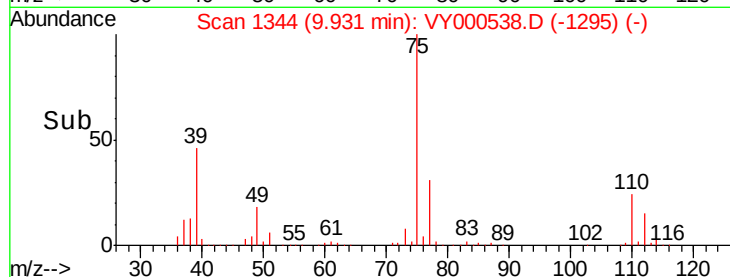
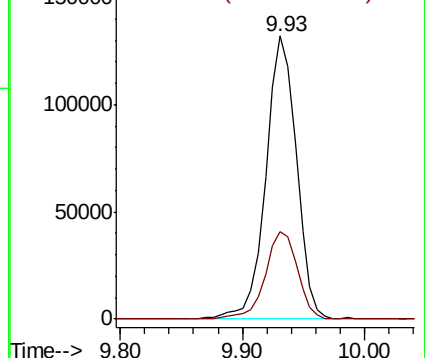
75 100

77 30.9 21.3 39.6



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#40

4-Methyl-2-pentanone

Concen: 44.345 ug/L

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY000538.D

Acq: 05 Nov 2019 16:00

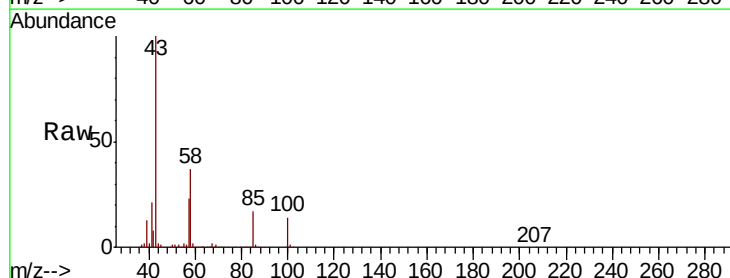
Tgt Ion: 43 Resp: 282265

Ion Ratio Lower Upper

43 100

58 38.2 30.6 45.8

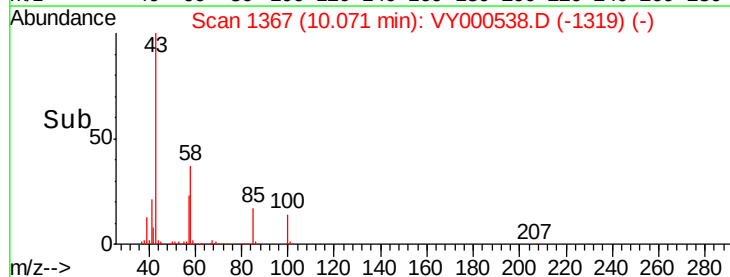
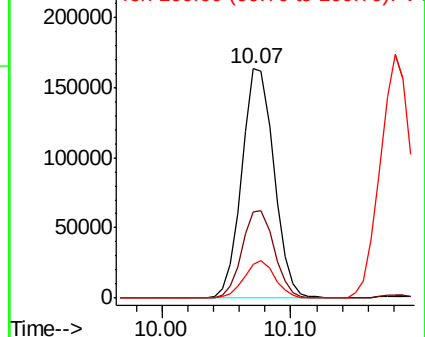
100 15.6 11.6 17.4

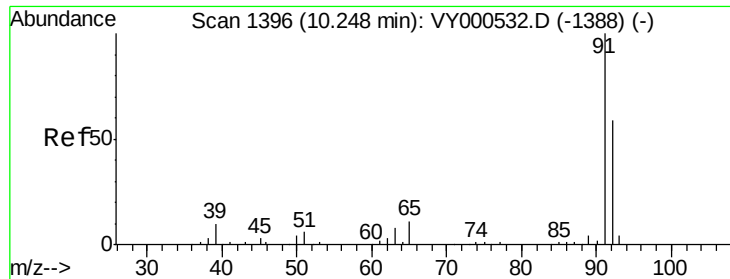


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#42

Toluene

Concen: 24.634 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000538.D

Acq: 05 Nov 2019 16:00

Instrument :

MSVOA_Y

ClientSampleId :

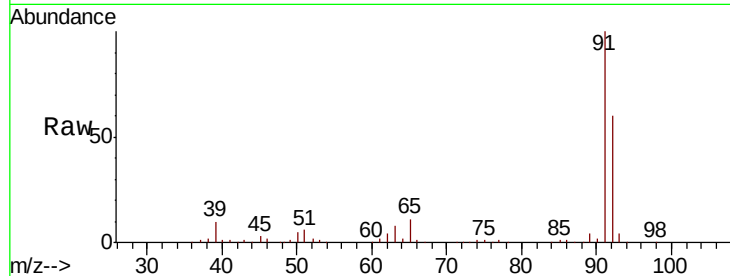
VSTD025841

Tot Ion: 91 Resp: 595595

Ion Ratio Lower Upper

91 100

92 59.8 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0

400000

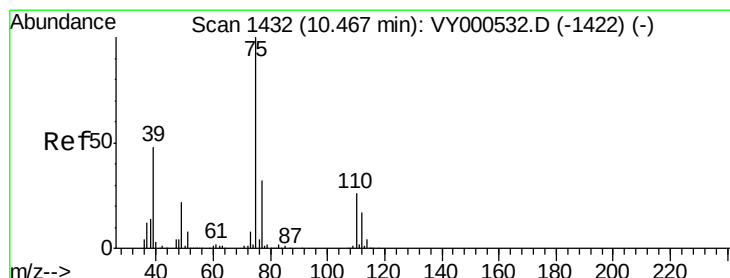
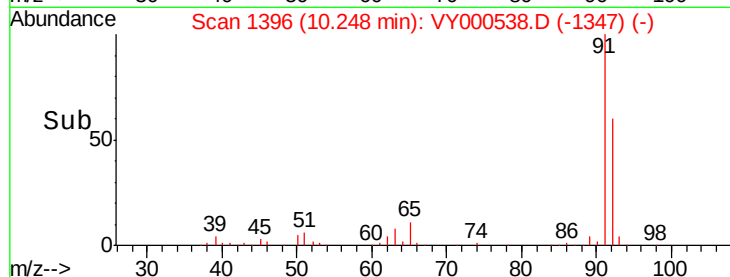
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 24.658 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000538.D

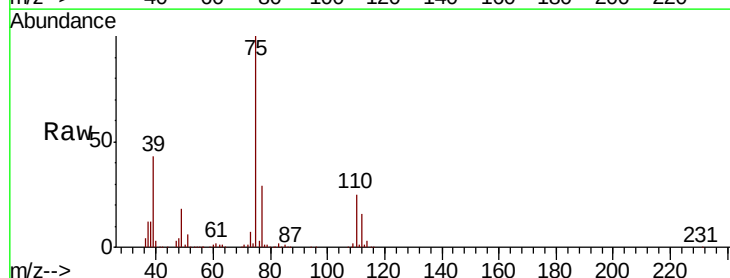
Acq: 05 Nov 2019 16:00

Tgt Ion: 75 Resp: 201686

Ion Ratio Lower Upper

75 100

77 29.3 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

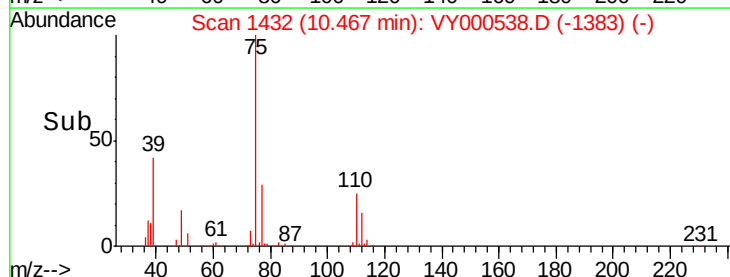
150000

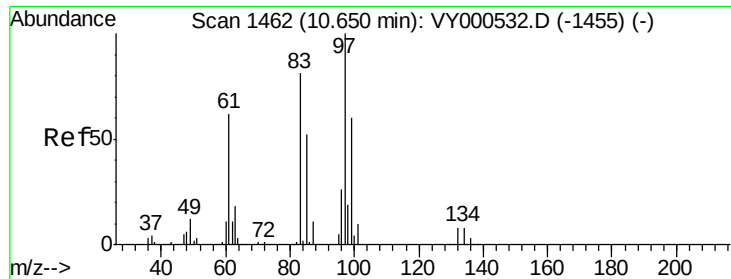
100000

50000

0

Time-->

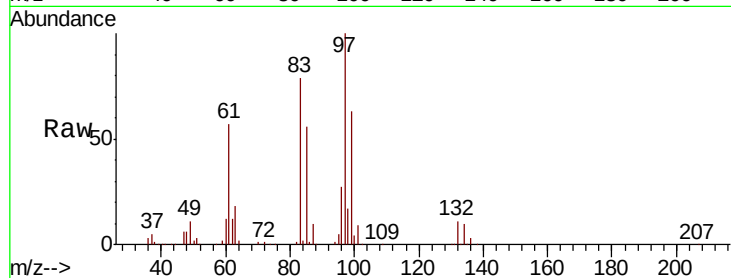




#45
 1,1,2-Trichloroethane
 Concen: 23.938 ug/L
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VY000538.D
 Acq: 05 Nov 2019 16:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025841

Tot Ion: 97 Resp: 117376
 Ion Ratio Lower Upper
 97 100
 99 63.3 42.1 78.1
 83 78.5 56.8 105.6
 85 56.0 36.5 67.9



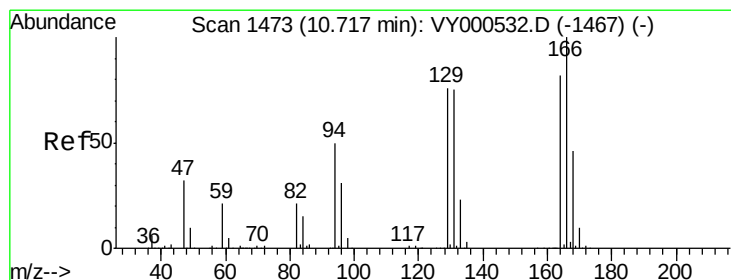
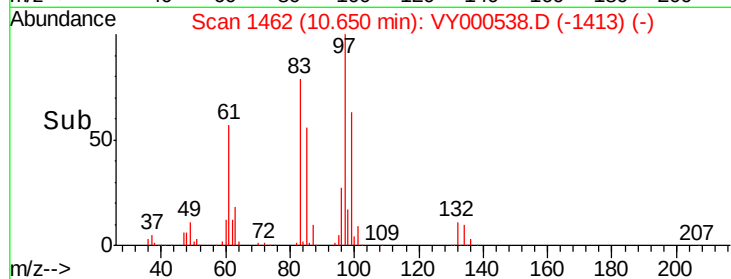
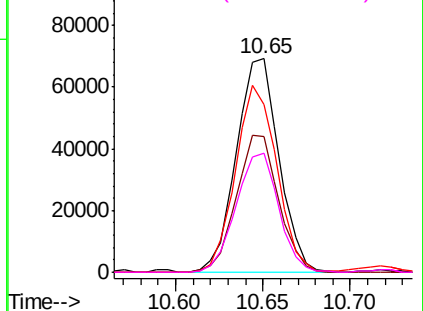
Abundance

Ion 97.00 (96.70 to 97.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

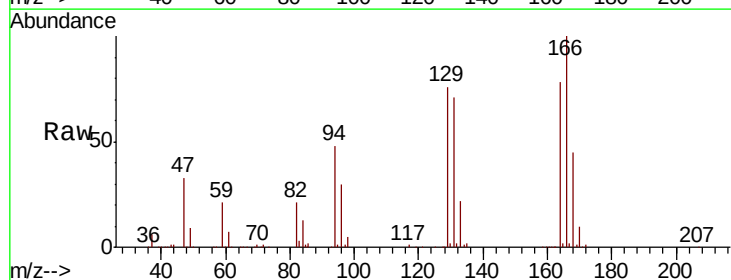
Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#46
 Tetrachloroethene
 Concen: 24.372 ug/L
 RT: 10.72 min Scan# 1473
 Delta R.T. 0.00 min
 Lab File: VY000538.D
 Acq: 05 Nov 2019 16:00

Tgt Ion: 164 Resp: 111159
 Ion Ratio Lower Upper
 164 100
 129 97.1 65.7 121.9
 131 91.4 64.7 120.1
 166 128.2 85.8 159.3



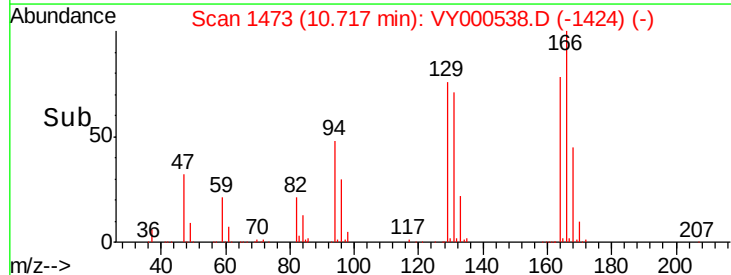
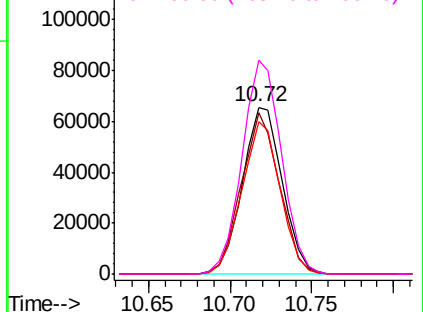
Abundance

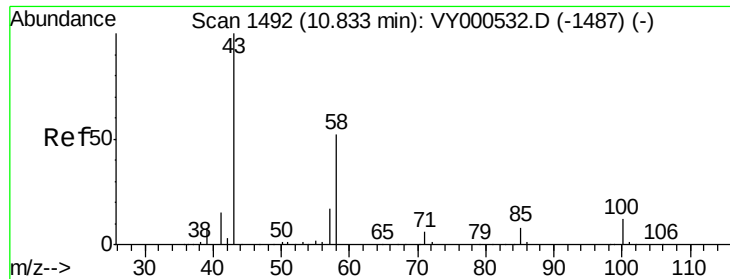
Ion 164.00 (163.70 to 164.70): V

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

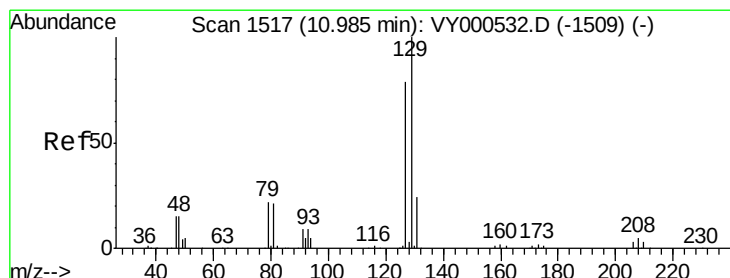
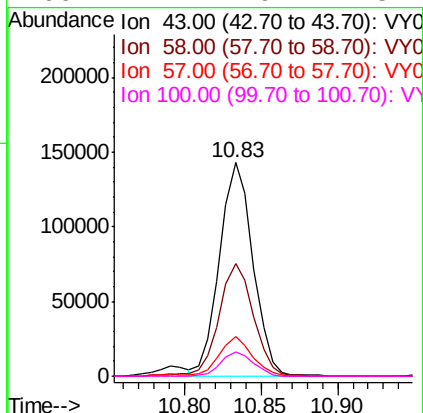
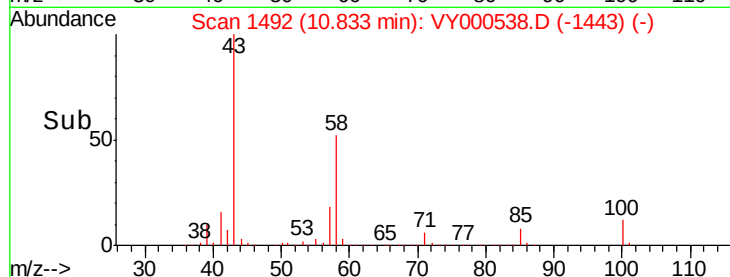
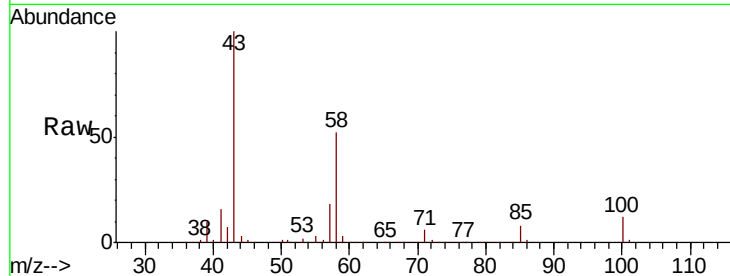




#48
2-Hexanone
Concen: 43.771 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000538.D
Acq: 05 Nov 2019 16:00

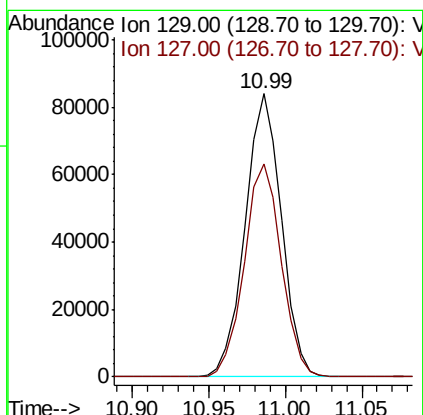
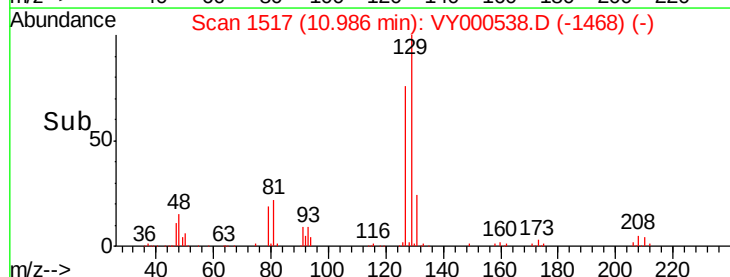
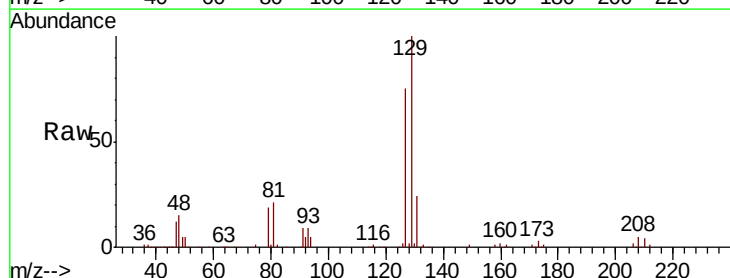
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025841

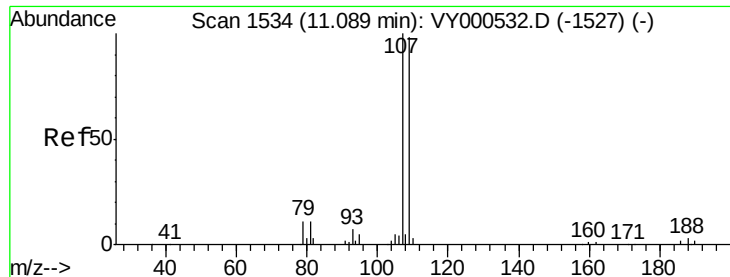
Tot Ion: 43 Resp: 217798
Ion Ratio Lower Upper
43 100
58 54.0 42.5 63.7
57 17.8 14.2 21.4
100 11.2 9.1 13.7



#49
Dibromochloromethane
Concen: 25.054 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000538.D
Acq: 05 Nov 2019 16:00

Tgt Ion: 129 Resp: 138426
Ion Ratio Lower Upper
129 100
127 75.1 54.9 102.1

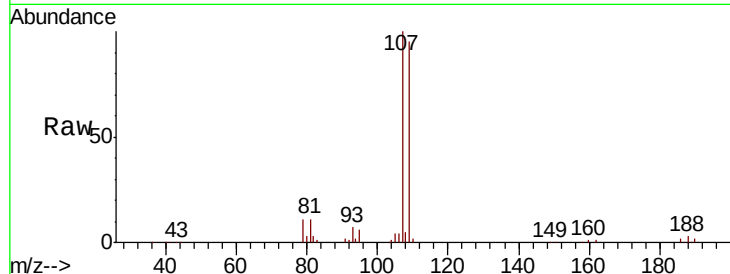




#50
 1,2-Dibromoethane
 Concen: 24.211 ug/L
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY000538.D
 Acq: 05 Nov 2019 16:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025841

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	68.3	126.9
188	3.4	2.2	3.2#

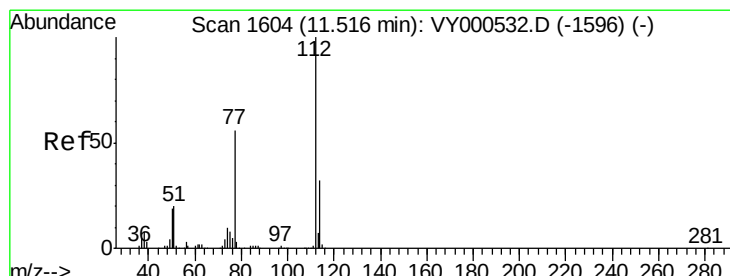
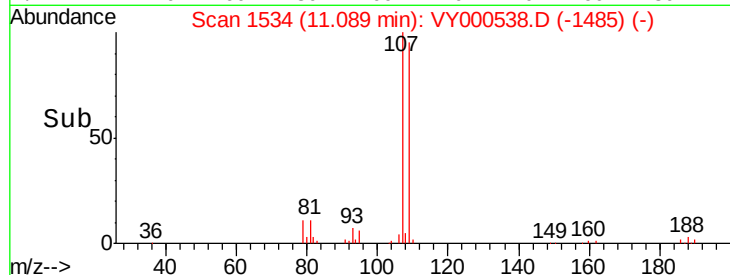
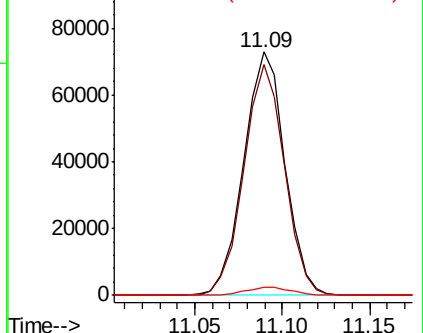


Abundance

Ion 107.00 (106.70 to 107.70): V

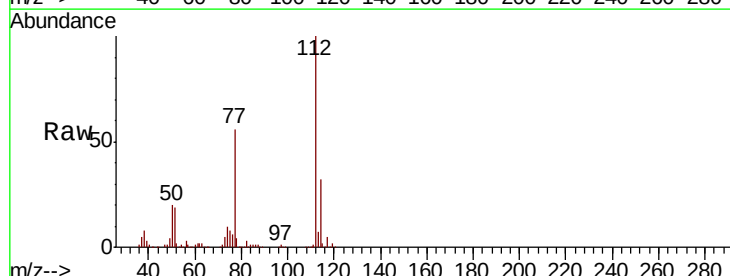
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
 Chlorobenzene
 Concen: 24.801 ug/L
 RT: 11.52 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VY000538.D
 Acq: 05 Nov 2019 16:00

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.1	41.1
77	56.4	45.3	67.9

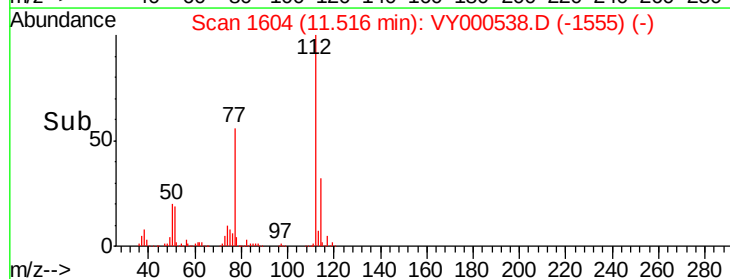
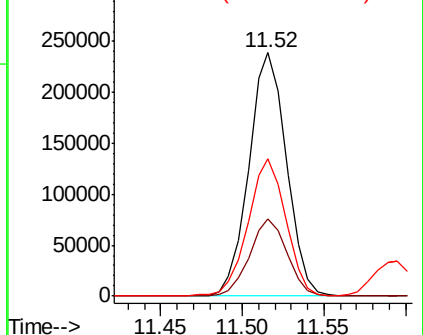


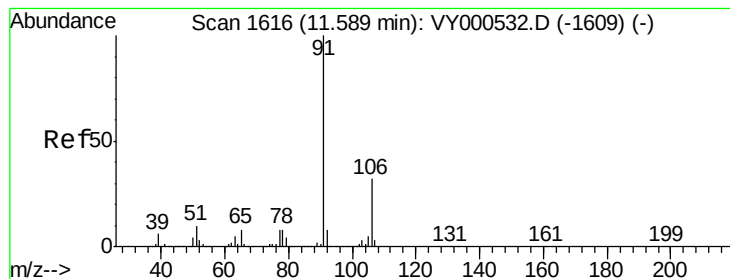
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VY0





#52

Ethylbenzene

Concen: 24.496 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000538.D

Acq: 05 Nov 2019 16:00

Instrument :

MSVOA_Y

ClientSampleId :

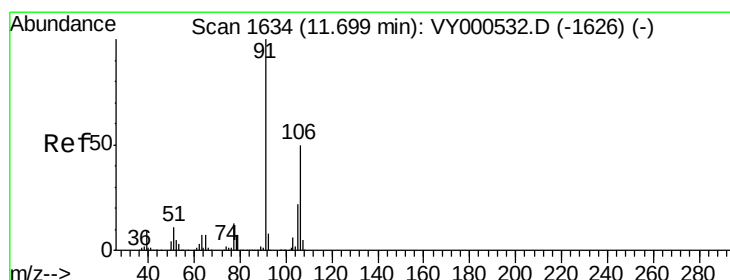
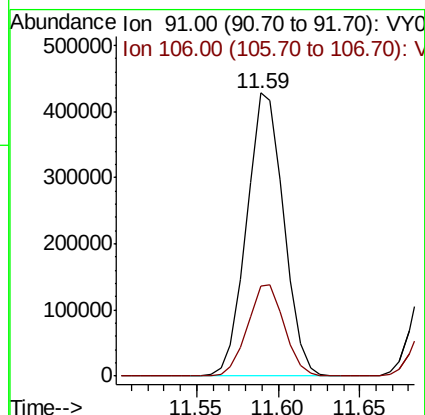
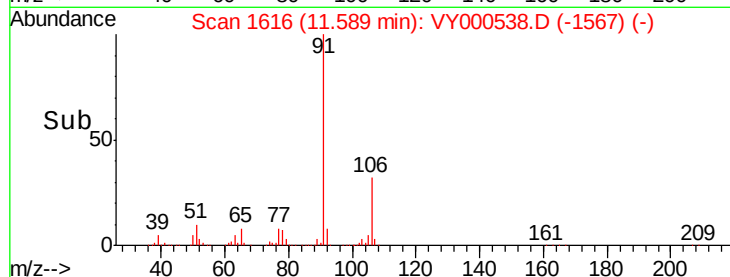
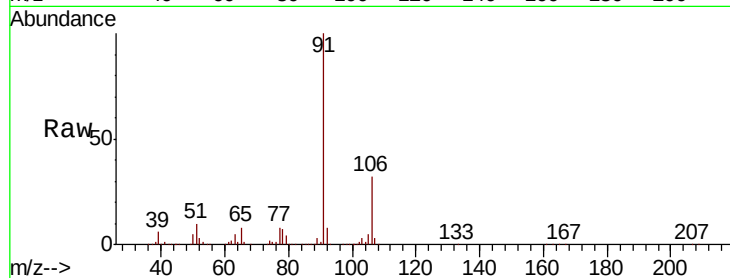
VSTD025841

Tot Ion: 91 Resp: 675655

Ion Ratio Lower Upper

91 100

106 31.8 22.2 41.2



#53

m,p-Xylene

Concen: 24.767 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY000538.D

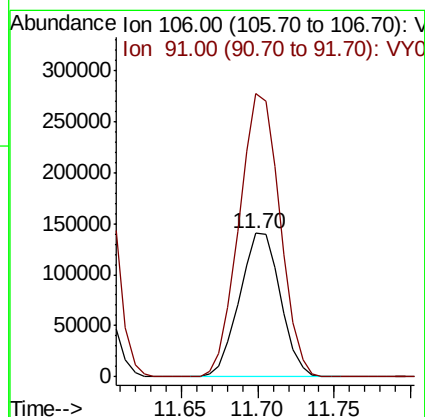
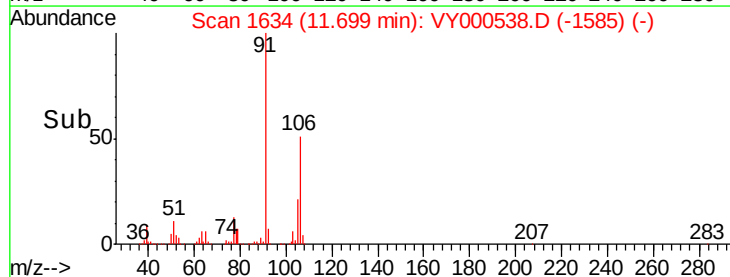
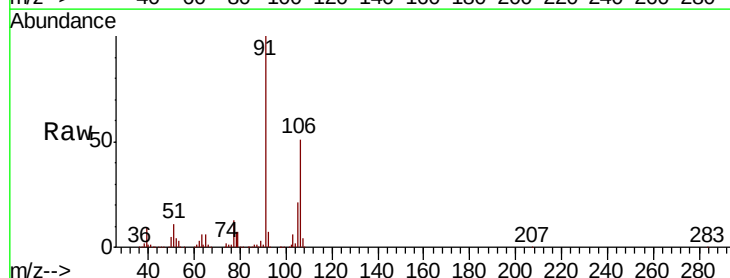
Acq: 05 Nov 2019 16:00

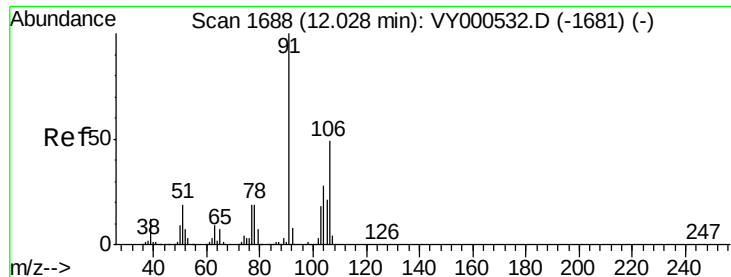
Tgt Ion: 106 Resp: 261773

Ion Ratio Lower Upper

106 100

91 197.4 138.8 257.8

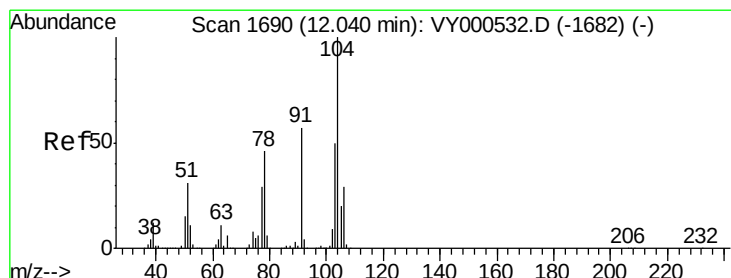
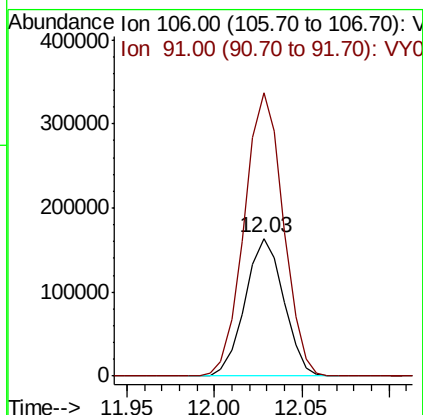
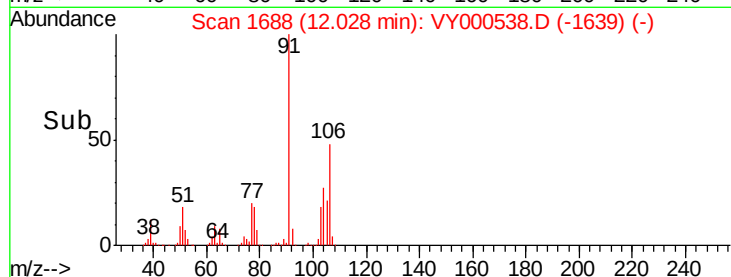
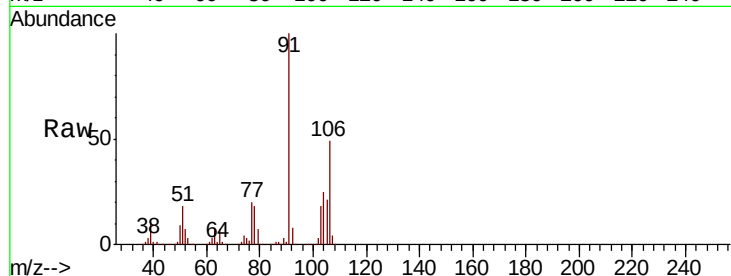




#54
o-Xylene
Concen: 24.516 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000538.D
Acq: 05 Nov 2019 16:00

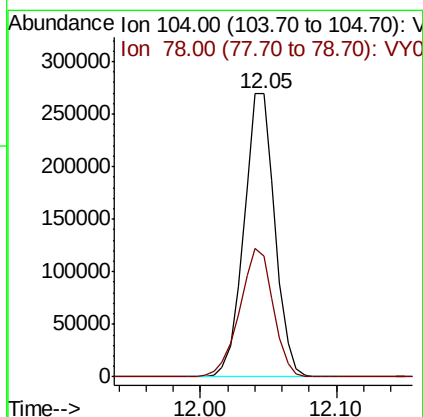
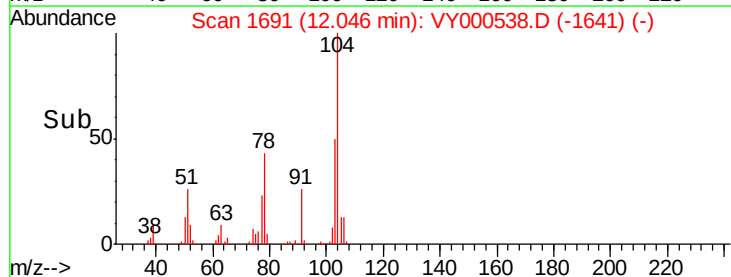
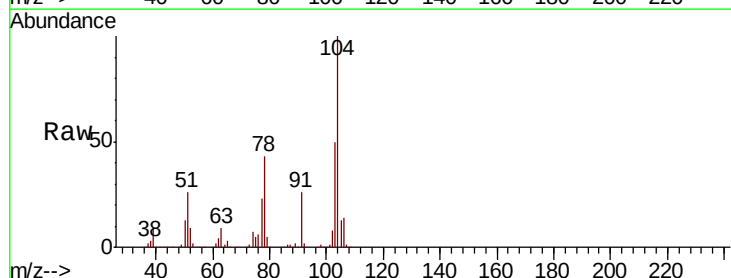
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025841

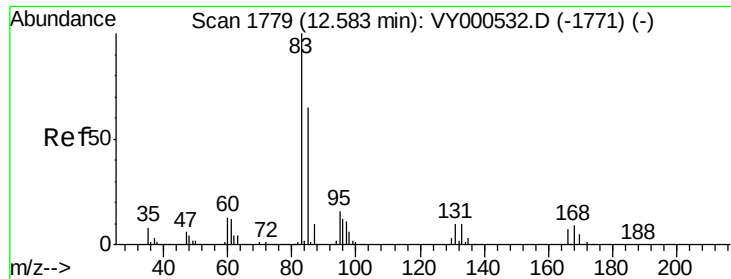
Tot Ion:106 Resp: 251658
Ion Ratio Lower Upper
106 100
91 205.6 143.6 266.6



#55
Styrene
Concen: 24.536 ug/L
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY000538.D
Acq: 05 Nov 2019 16:00

Tgt Ion:104 Resp: 425926
Ion Ratio Lower Upper
104 100
78 42.6 32.3 60.1

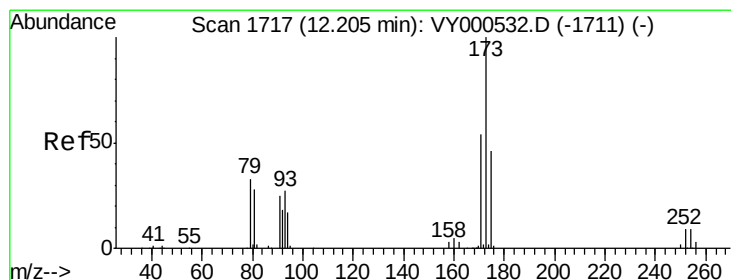
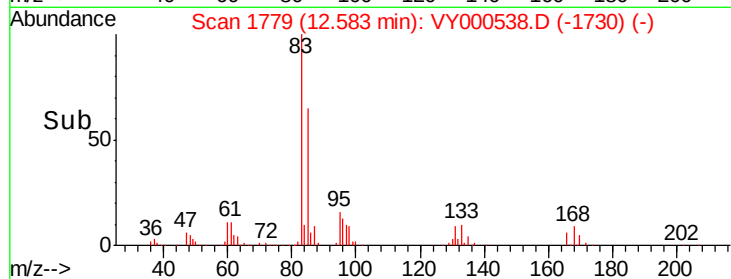
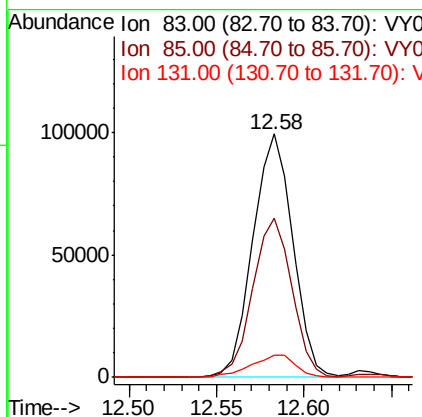
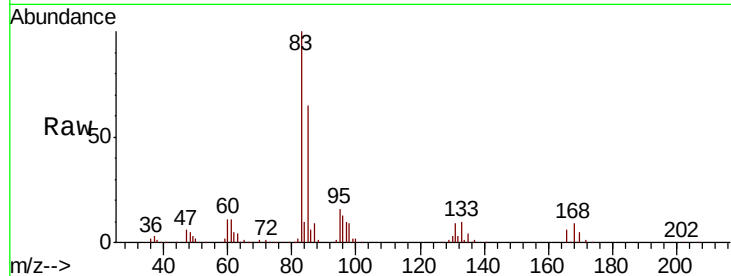




#57
 1,1,2,2-Tetrachloroethane
 Concen: 23.749 ug/L
 RT: 12.58 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VY000538.D
 Acq: 05 Nov 2019 16:00

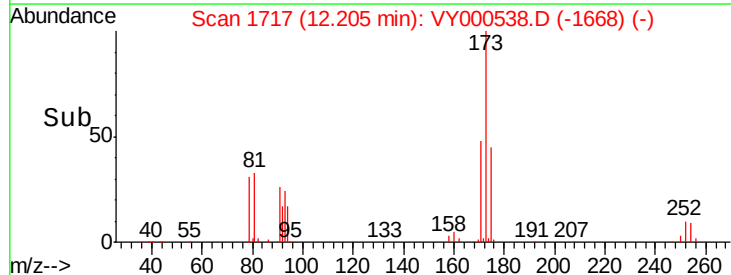
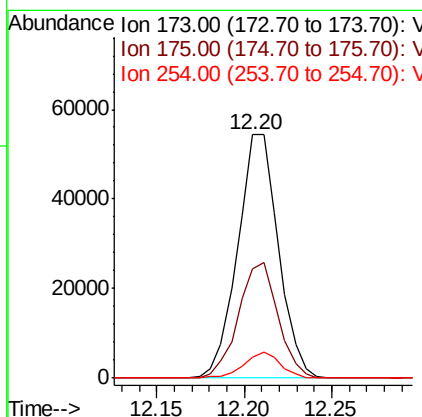
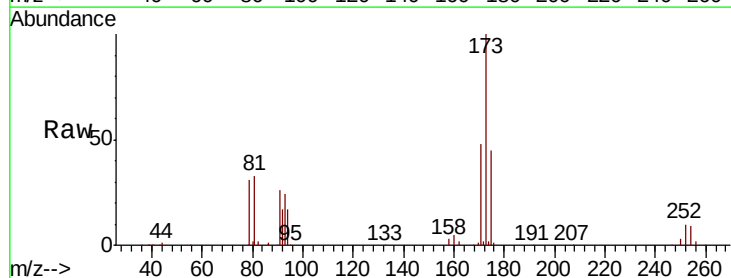
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025841

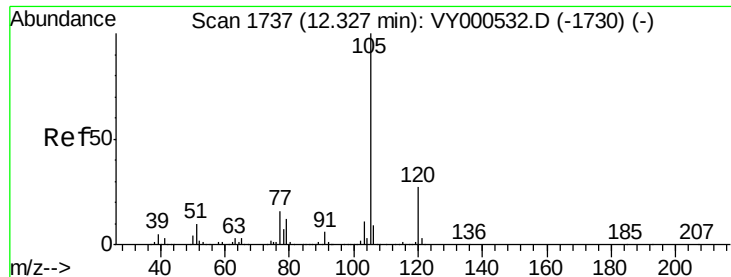
Tot Ion: 83 Resp: 157852
 Ion Ratio Lower Upper
 83 100
 85 65.5 45.4 84.2
 131 9.4 7.9 11.9



#59
 Bromoform
 Concen: 24.272 ug/L
 RT: 12.20 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VY000538.D
 Acq: 05 Nov 2019 16:00

Tgt Ion: 173 Resp: 88150
 Ion Ratio Lower Upper
 173 100
 175 45.9 38.2 57.2
 254 9.6 7.8 11.8





#60

Isopropylbenzene

Concen: 24.229 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000538.D

Acq: 05 Nov 2019 16:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025841

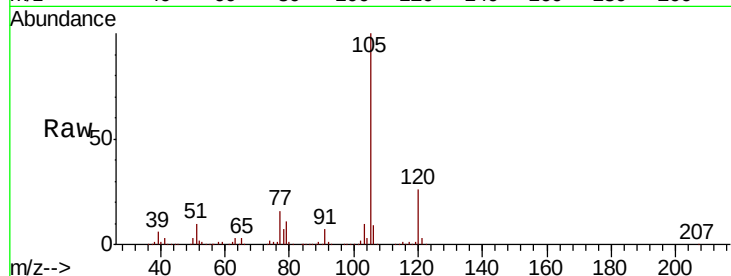
Tot Ion:105 Resp: 660603

Ion Ratio Lower Upper

105 100

120 26.9 21.8 32.8

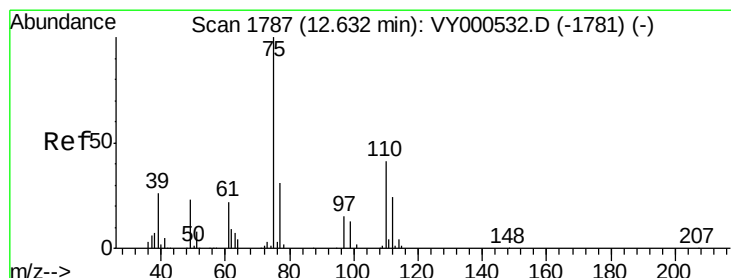
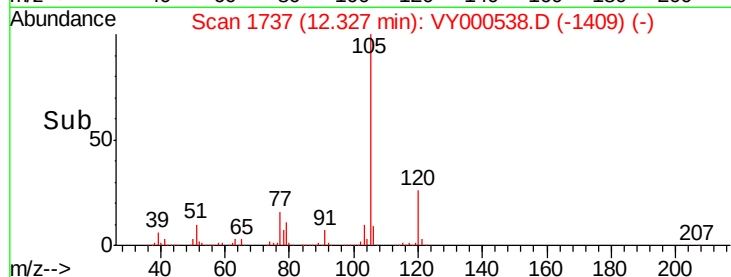
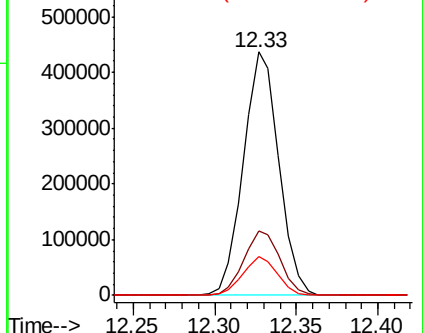
77 15.5 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 22.863 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY000538.D

Acq: 05 Nov 2019 16:00

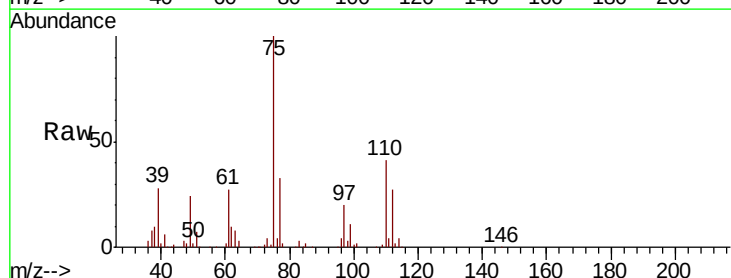
Tgt Ion: 75 Resp: 123967

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

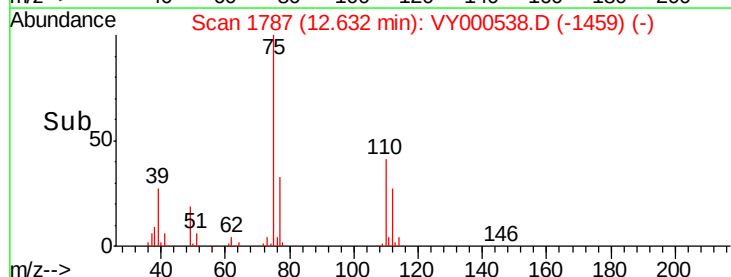
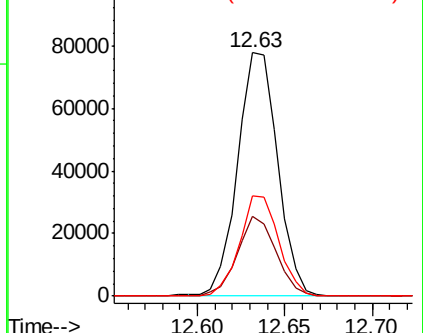
110 39.9 33.0 49.4

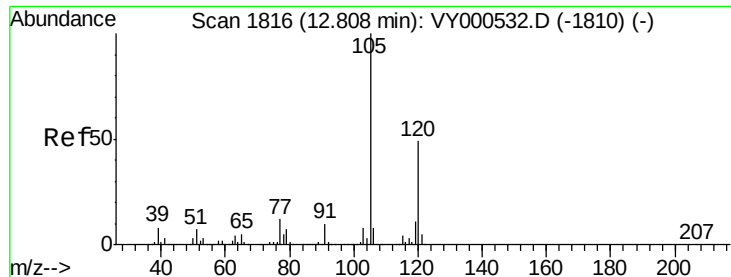


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 0.110 ug/L

RT: 12.73 min Scan# 1803

Delta R.T. -0.08 min

Lab File: VY000538.D

Acq: 05 Nov 2019 16:00

Instrument :

MSVOA_Y

ClientSampleId :

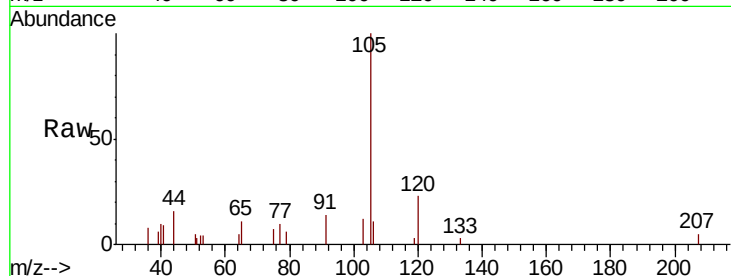
VSTD025841

Tot Ion:105 Resp: 2449

Ion Ratio Lower Upper

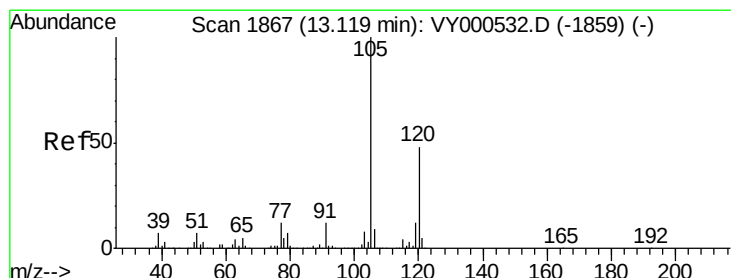
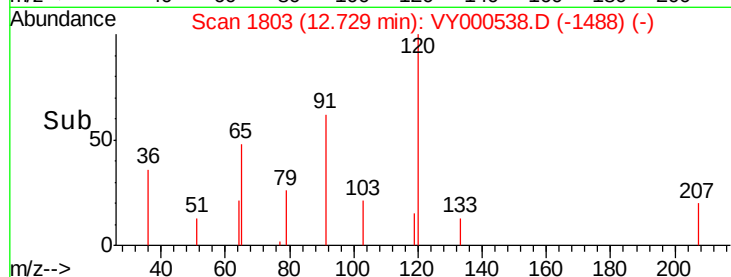
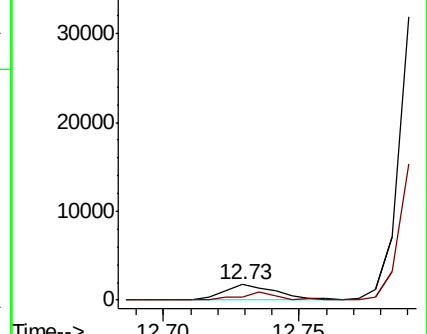
105 100

120 36.9 25.9 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 24.229 ug/L

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY000538.D

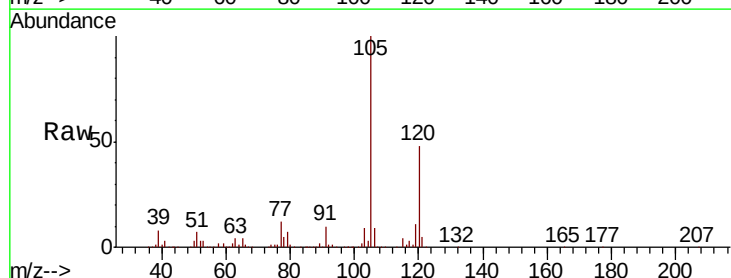
Acq: 05 Nov 2019 16:00

Tgt Ion:105 Resp: 533823

Ion Ratio Lower Upper

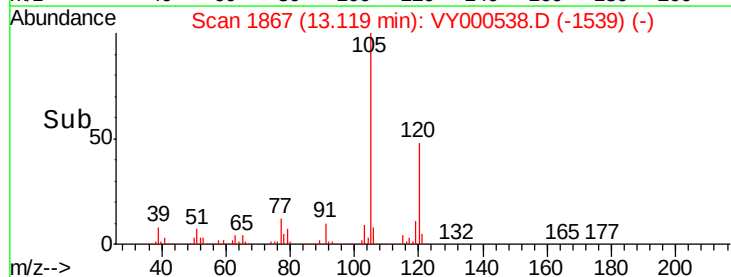
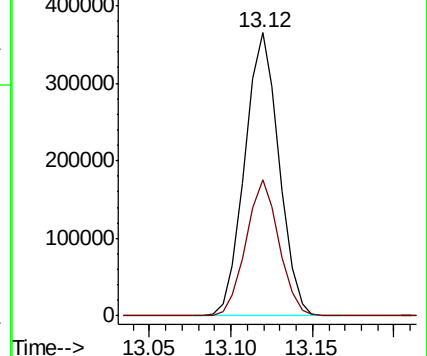
105 100

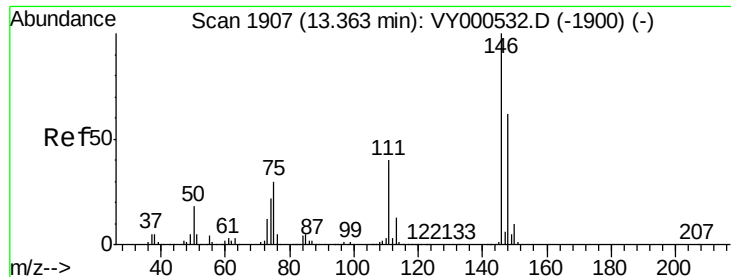
120 46.4 40.3 60.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

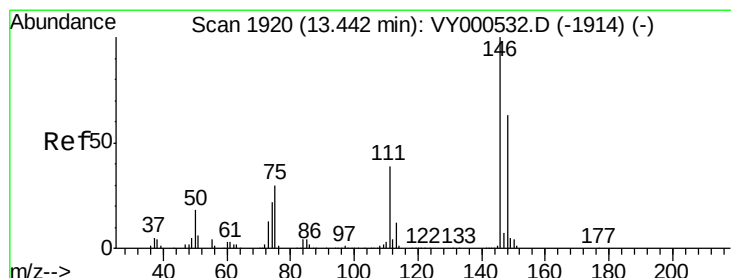
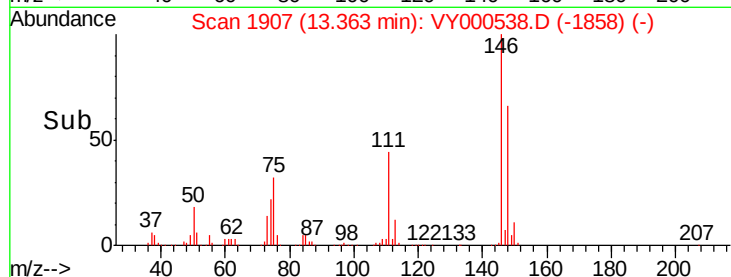
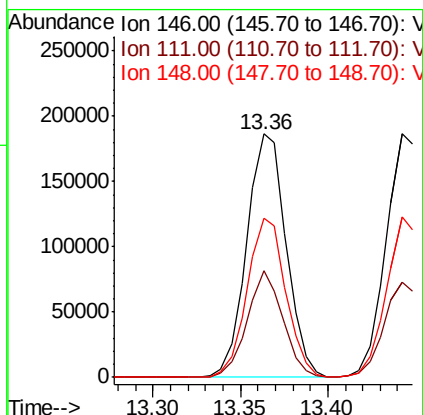
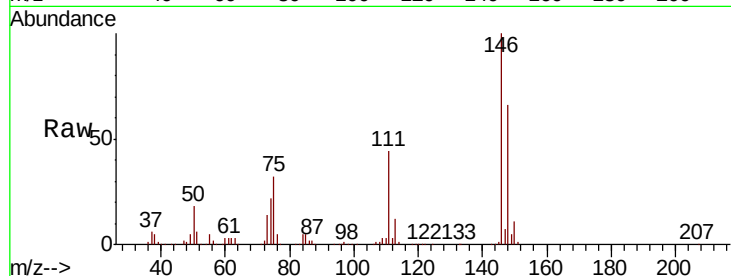




#64
 1,3-Dichlorobenzene
 Concen: 23.839 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000538.D
 Acq: 05 Nov 2019 16:00

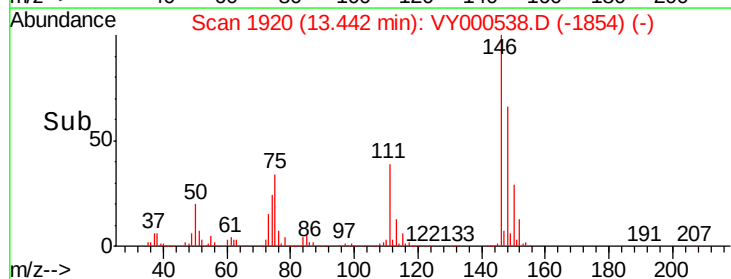
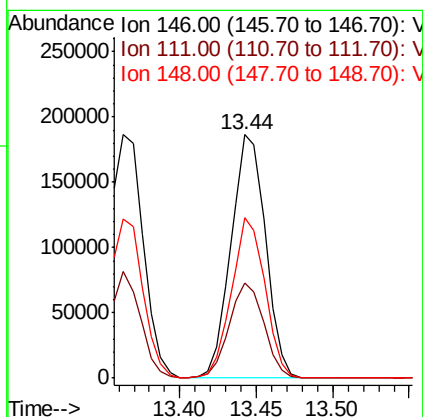
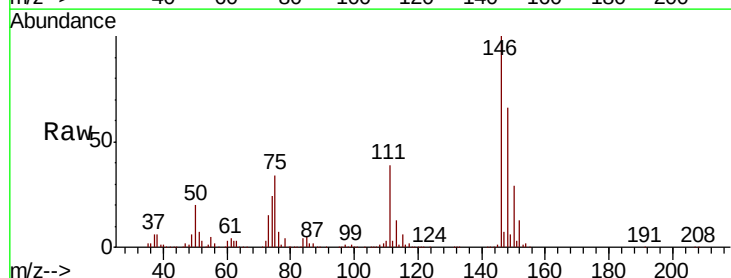
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025841

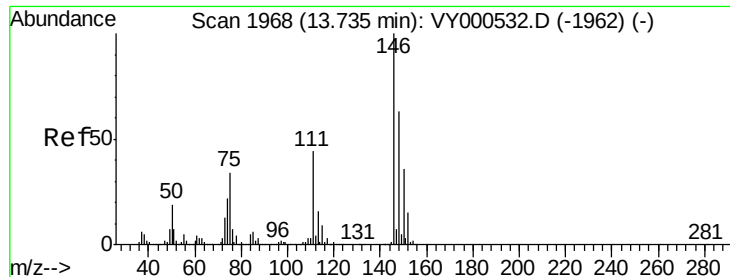
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	27.9	51.7
148	65.5	43.5	80.7



#65
 1,4-Dichlorobenzene
 Concen: 23.726 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000538.D
 Acq: 05 Nov 2019 16:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	27.4	50.8
148	65.8	44.4	82.5

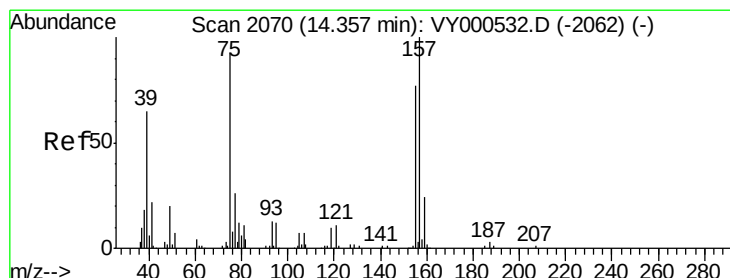
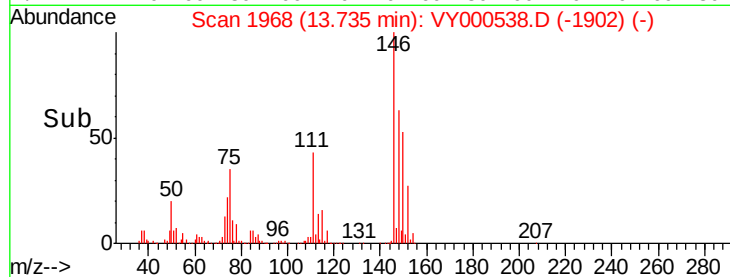
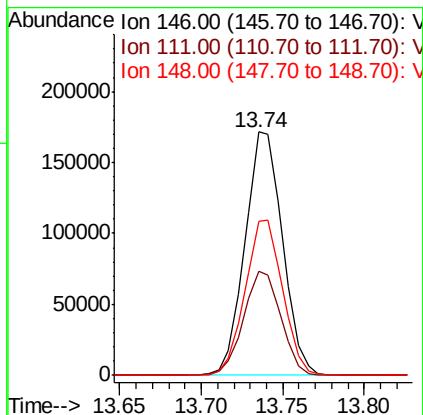
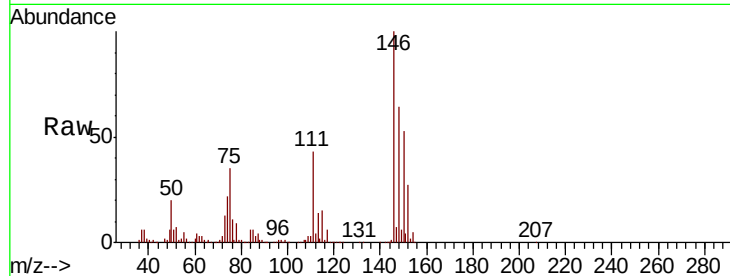




#67
 1,2-Dichlorobenzene
 Concen: 24.016 ug/L
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY000538.D
 Acq: 05 Nov 2019 16:00

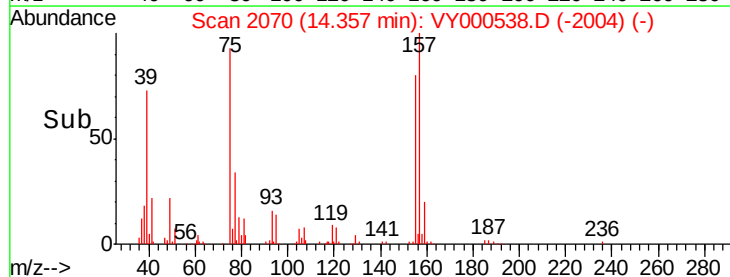
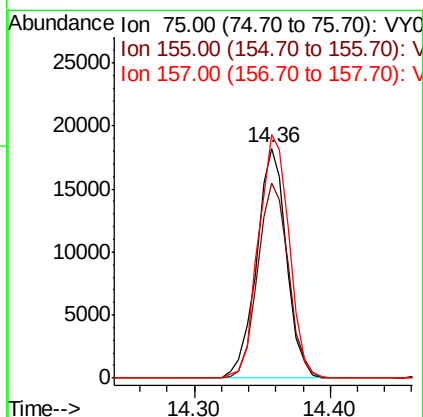
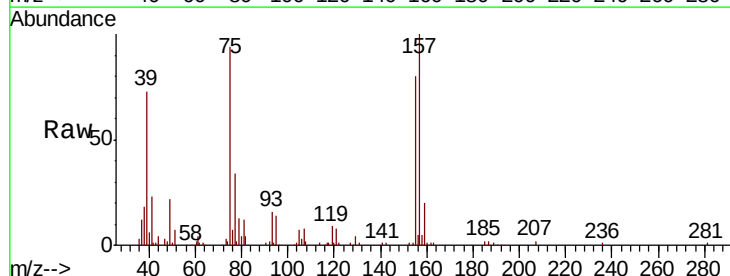
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025841

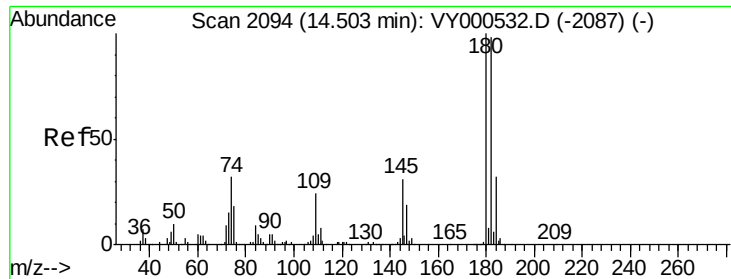
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	35.6	53.4
148	63.5	50.8	76.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 22.420 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000538.D
 Acq: 05 Nov 2019 16:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.0	66.3	99.5
157	105.9	86.4	129.6

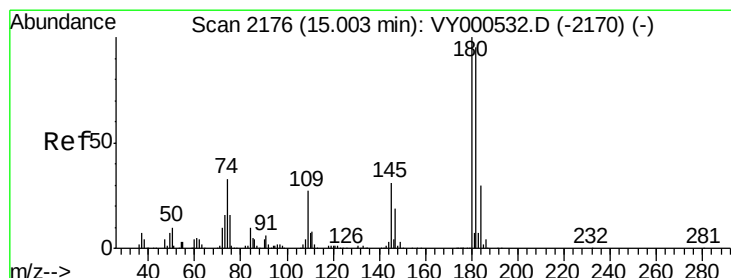
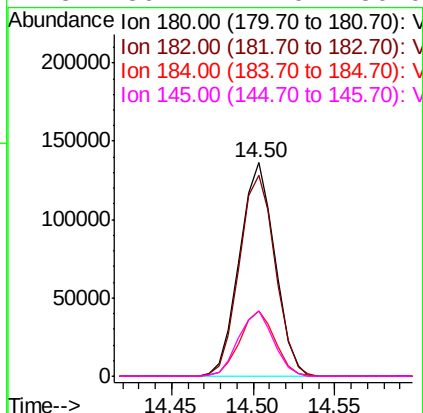
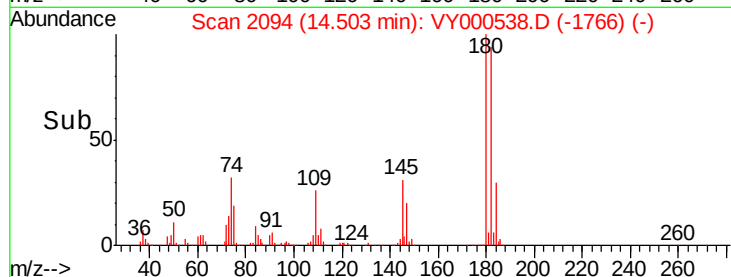
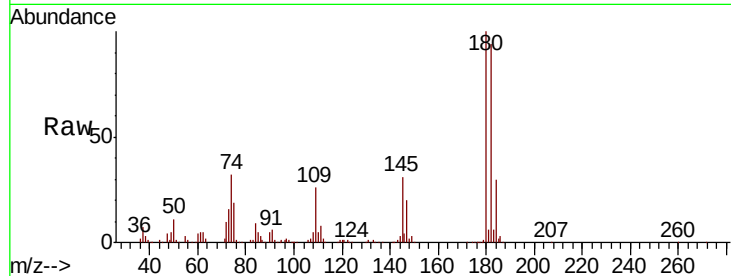




#69
 1,3,5-Trichlorobenzene
 Concen: 24.504 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY000538.D
 Acq: 05 Nov 2019 16:00

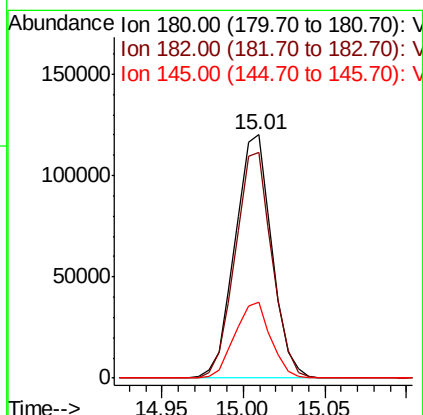
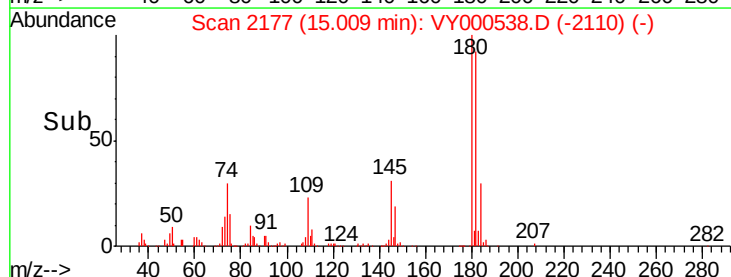
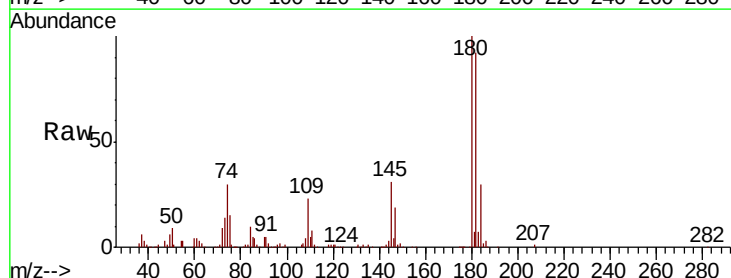
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025841

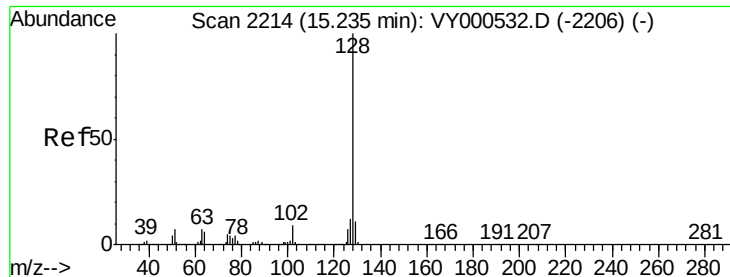
Tot Ion:180	Resp:	206715
Ion Ratio	Lower	Upper
180	100	
182	95.7	76.1 114.1
184	30.2	24.5 36.7
145	30.2	24.0 36.0



#70
 1,2,4-trichlorobenzene
 Concen: 24.456 ug/L
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000538.D
 Acq: 05 Nov 2019 16:00

Tgt Ion:180	Resp:	187912
Ion Ratio	Lower	Upper
180	100	
182	92.8	74.6 112.0
145	30.5	24.9 37.3

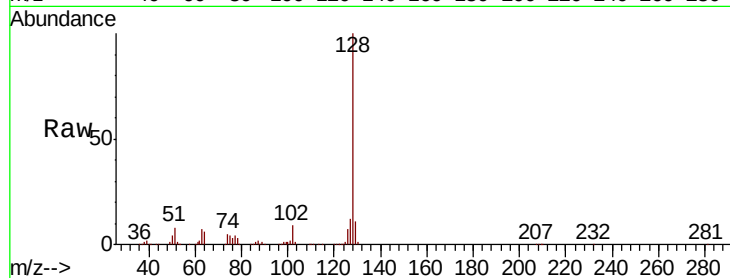




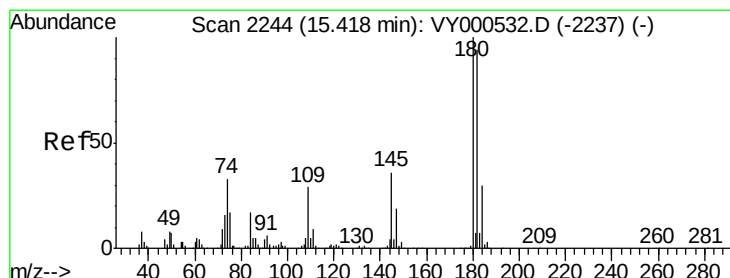
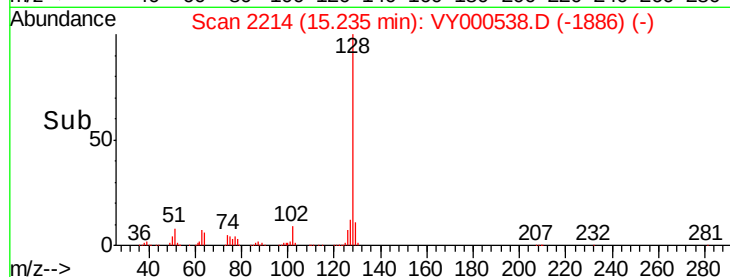
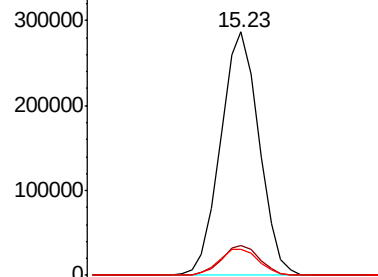
#71
Naphthalene
Concen: 23.479 ug/L
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000538.D
Acq: 05 Nov 2019 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025841

Tot Ion:128 Resp: 471308
Ion Ratio Lower Upper
128 100
127 12.3 9.9 14.9
129 11.1 8.8 13.2

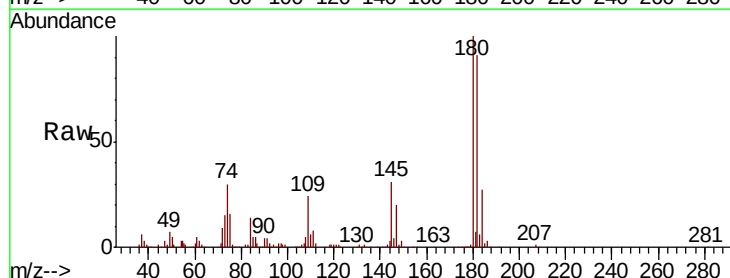


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 24.539 ug/L
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY000538.D
Acq: 05 Nov 2019 16:00

Tgt Ion:180 Resp: 174675
Ion Ratio Lower Upper
180 100
182 92.9 75.0 112.4
145 31.5 26.5 39.7



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

