

Data File : VY000531.D
Acq On : 05 Nov 2019 10:07
Operator : SY/MD
Sample : VSTD00578
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD005781

Quant Time: Nov 06 04:21:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL110519SMA.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 06 04:18:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	360499	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	334655	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	161678	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	25872	4.71	ug/L	0.00
7) Chloroethane-d5	2.76	69	23120	4.83	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.85	63	45342	4.76	ug/L	0.00
21) 2-Butanone-d5	6.91	46	22678	9.40	ug/L	0.00
24) Chloroform-d	7.50	84	45665	4.86	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	28018	4.94	ug/L	0.00
32) Benzene-d6	8.12	84	95368	4.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.13	67	29018	4.92	ug/L	0.00
41) Toluene-d8	10.18	98	88531	4.92	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.44	79	12970	4.36	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	16269	8.81	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	30299	4.75	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	30980	4.91	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	27349	5.458 ug/L	99
3) Chloromethane	2.12	50	34889	5.303 ug/L	98
5) Vinyl chloride	2.26	62	30629	4.986 ug/L	96
6) Bromomethane	2.65	94	13494	4.798 ug/L	90
8) Chloroethane	2.80	64	18753	4.947 ug/L	89
9) Trichlorofluoromethane	3.13	101	44050	5.082 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	24753	4.918 ug/L #	93
12) 1,1-Dichloroethene	3.88	96	23739	4.957 ug/L	89
13) Acetone	3.96	43	26441	11.493 ug/L	74
14) Carbon disulfide	4.19	76	73036	4.809 ug/L #	95
16) Methylene chloride	4.72	84	30728	5.227 ug/L	87
17) trans-1,2-Dichloroethene	5.23	96	25897	4.867 ug/L	92
18) Methyl tert-butyl Ether	5.23	73	74361	4.904 ug/L	98
19) 1,1-Dichloroethane	6.04	63	45214	4.847 ug/L	94
20) cis-1,2-Dichloroethene	7.00	96	28941	4.858 ug/L	85
22) 2-Butanone	7.00	43	38734	10.989 ug/L	99
23) Bromochloromethane	7.35	128	12910	4.820 ug/L	94
25) Chloroform	7.52	83	47037	4.883 ug/L	99
27) 1,2-Dichloroethane	8.25	62	33386	4.852 ug/L #	93
29) Cyclohexane	7.79	56	45232	4.948 ug/L	97
30) 1,1,1-Trichloroethane	7.71	97	39727	4.921 ug/L	98
31) Carbon tetrachloride	7.91	117	37736	5.069 ug/L	98
33) Benzene	8.17	78	110448	5.025 ug/L	100
34) Trichloroethene	8.94	95	30162	5.200 ug/L	86
35) Methylcyclohexane	9.19	83	47534	4.771 ug/L	95
37) 1,2-Dichloropropane	9.22	63	28182	5.026 ug/L	100
38) Bromodichloromethane	9.50	83	35931	5.036 ug/L	92
39) cis-1,3-Dichloropropene	9.94	75	43795	4.874 ug/L	98
40) 4-Methyl-2-pentanone	10.08	43	61065	9.882 ug/L	98
42) Toluene	10.25	91	116133	4.948 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	10.47	75	37492	4.722	ug/L	94
45) 1,1,2-Trichloroethane	10.65	97	23520	4.941	ug/L	93
46) Tetrachloroethene	10.72	164	22906	5.173	ug/L	95
48) 2-Hexanone	10.83	43	48703	10.082	ug/L	99
49) Dibromochloromethane	10.99	129	26520	4.944	ug/L	96
50) 1,2-Dibromoethane	11.09	107	24808	5.153	ug/L #	91
51) Chlorobenzene	11.52	112	74435	4.965	ug/L	99
52) Ethylbenzene	11.60	91	130390	4.870	ug/L	99
53) m,p-Xylene	11.70	106	48847	4.761	ug/L	96
54) o-Xylene	12.03	106	47027	4.719	ug/L	94
55) Styrene	12.05	104	80002	4.747	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.58	83	30506	4.728	ug/L #	92
59) Bromoform	12.21	173	15937	4.649	ug/L	100
60) Isopropylbenzene	12.33	105	125776	4.887	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	25990	5.078	ug/L	98
62) 1,3,5-Trimethylbenzene	12.33	105	125776	5.050	ug/L	90
63) 1,2,4-Trimethylbenzene	13.12	105	100795	4.797	ug/L	95
64) 1,3-Dichlorobenzene	13.36	146	58018	5.029	ug/L	97
65) 1,4-Dichlorobenzene	13.44	146	58382	5.029	ug/L	94
67) 1,2-Dichlorobenzene	13.74	146	54390	5.034	ug/L	96
68) 1,2-Dibromo-3-chloropropan	14.36	75	6094	5.143	ug/L #	78
69) 1,3,5-Trichlorobenzene	14.50	180	39579	4.970	ug/L	98
70) 1,2,4-trichlorobenzene	15.00	180	37495	5.170	ug/L	98
71) Naphthalene	15.23	128	94794	5.003	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	34573	5.145	ug/L	99

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

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Instrument :
MSVOA_Y
ClientSampleId :
VSTD005781

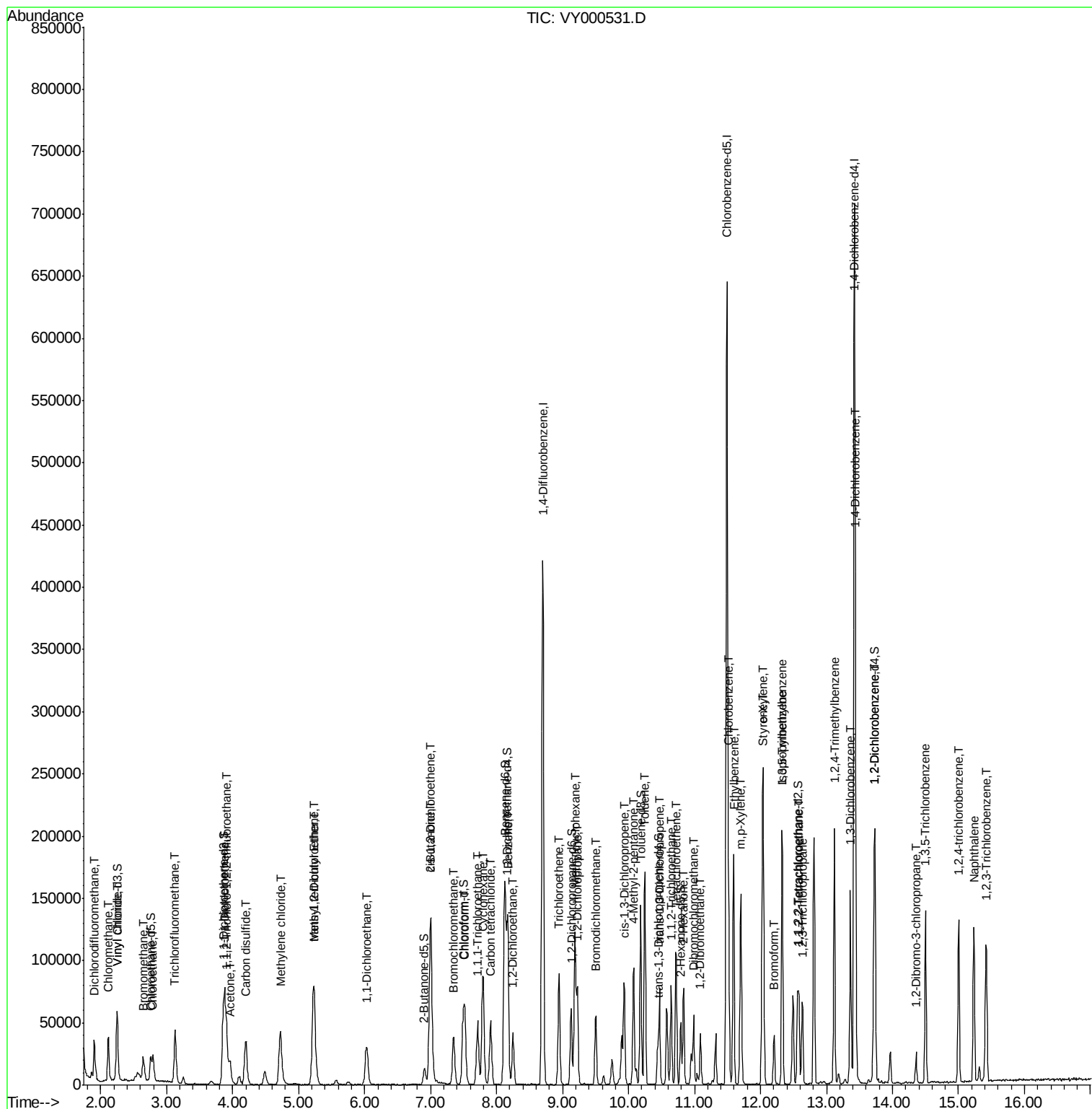
Quant Time: Nov 06 04:21:05 2019

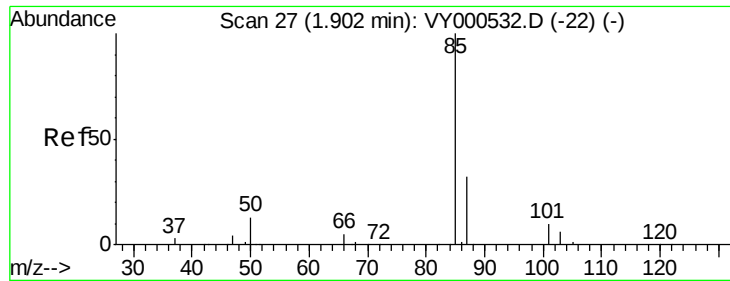
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL110519SMA.M

Quant Title : VOC Analysis

QLast Update : Wed Nov 06 04:18:18 2019

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#2

Dichlorodifluoromethane

Concen: 5.458 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

Instrument :

MSVOA_Y

ClientSampleId :

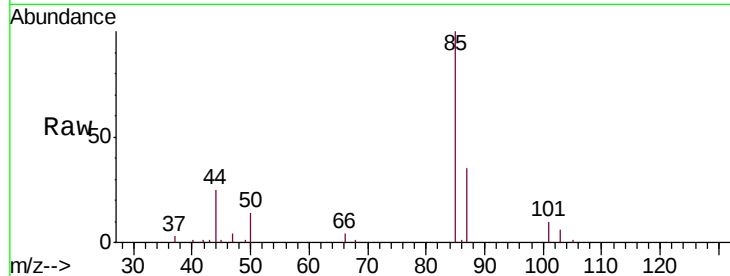
VSTD005781

Tgt Ion: 85 Resp: 27349

Ion Ratio Lower Upper

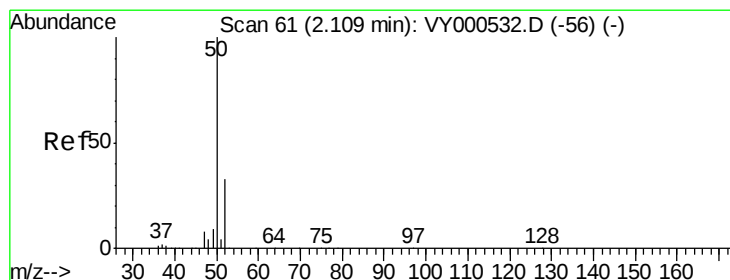
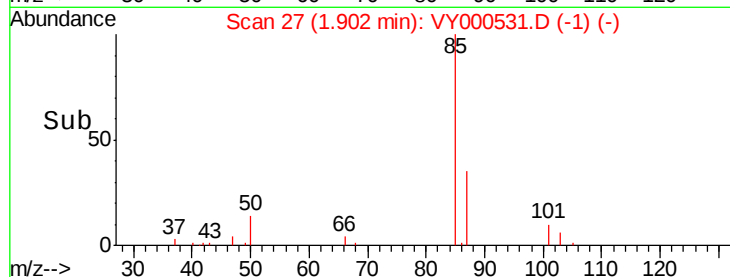
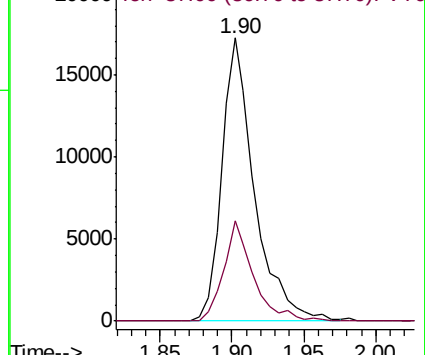
85 100

87 31.8 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VY000531.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VY000531.D (-1) (-)



#3

Chloromethane

Concen: 5.303 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000531.D

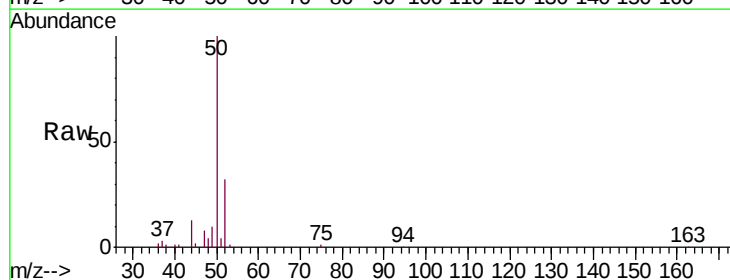
Acq: 05 Nov 2019 10:07

Tgt Ion: 50 Resp: 34889

Ion Ratio Lower Upper

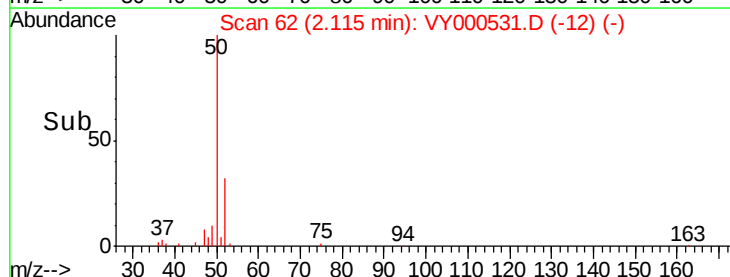
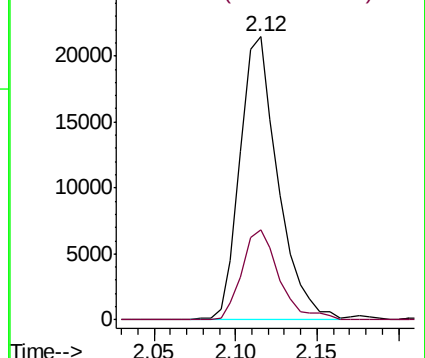
50 100

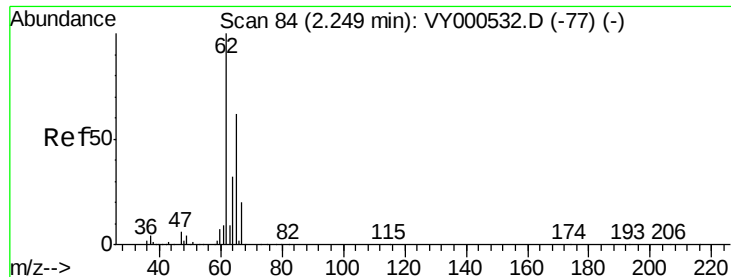
52 31.7 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VY000531.D (-12) (-)

Ion 52.00 (51.70 to 52.70): VY000531.D (-12) (-)





#5

Vinyl chloride

Concen: 4.986 ug/L

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

Instrument :

MSVOA_Y

ClientSampleId :

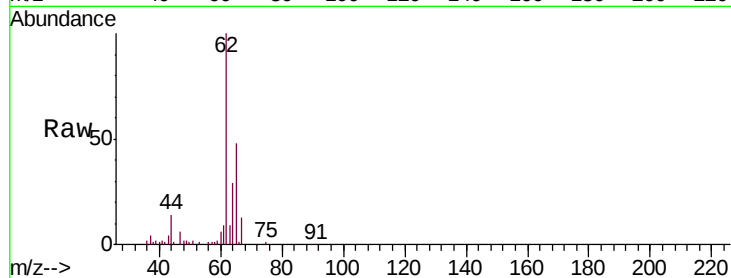
VSTD005781

Tgt Ion: 62 Resp: 30629

Ion Ratio Lower Upper

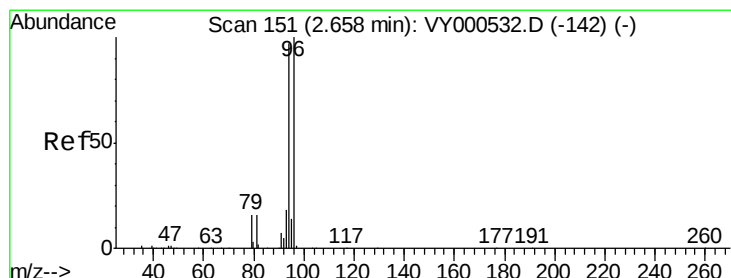
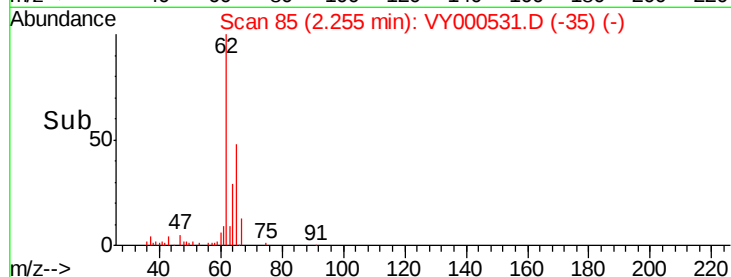
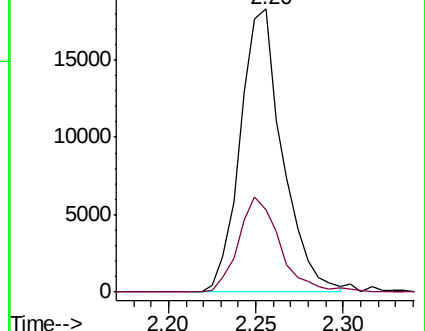
62 100

64 29.2 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: 4.798 ug/L

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY000531.D

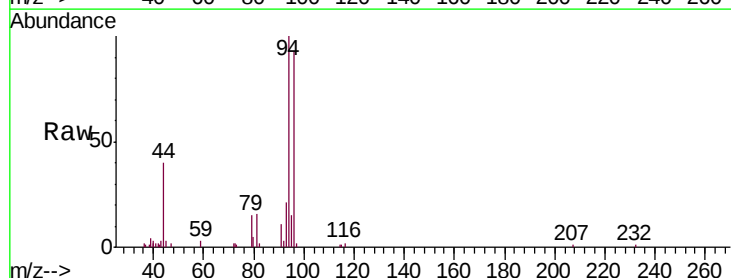
Acq: 05 Nov 2019 10:07

Tgt Ion: 94 Resp: 13494

Ion Ratio Lower Upper

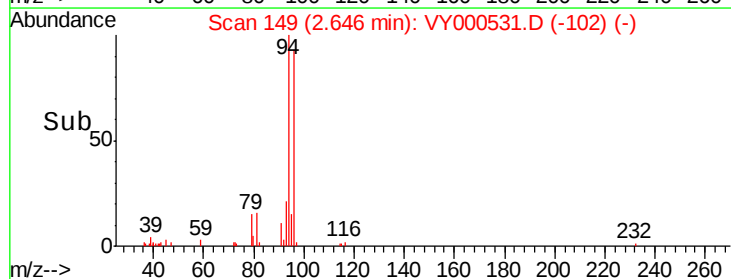
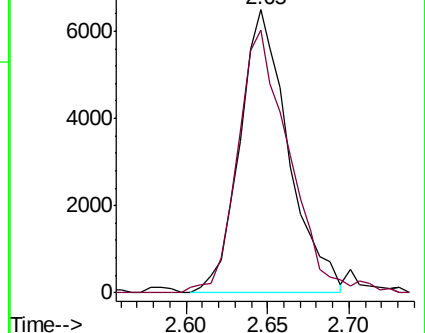
94 100

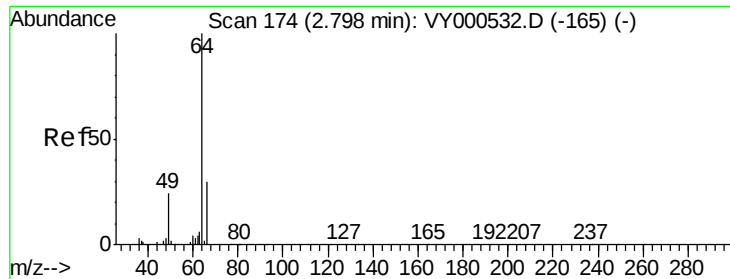
96 92.9 72.2 134.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 4.947 ug/L

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

Instrument :

MSVOA_Y

ClientSampleId :

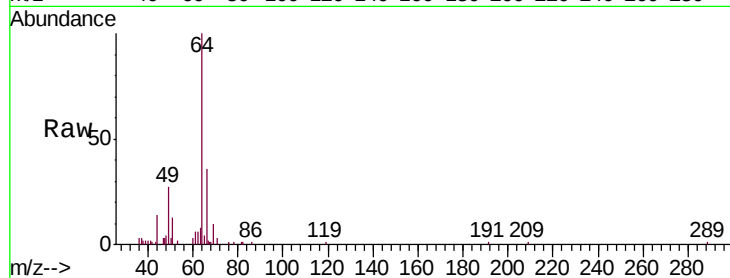
VSTD005781

Tgt Ion: 64 Resp: 18753

Ion Ratio Lower Upper

64 100

66 35.8 20.9 38.7



Abundance Ion 64.00 (63.70 to 64.70): VY000532.D (-165) (-)

Ion 66.00 (65.70 to 66.70): VY000532.D (-165) (-)

2.80

8000

6000

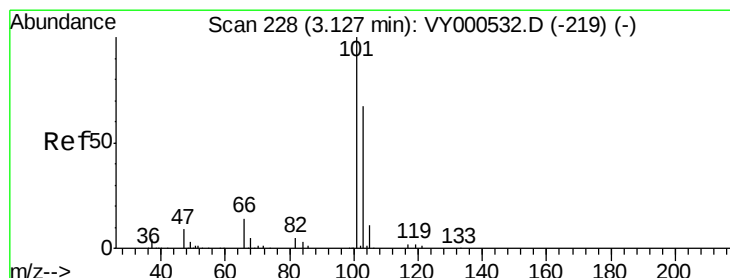
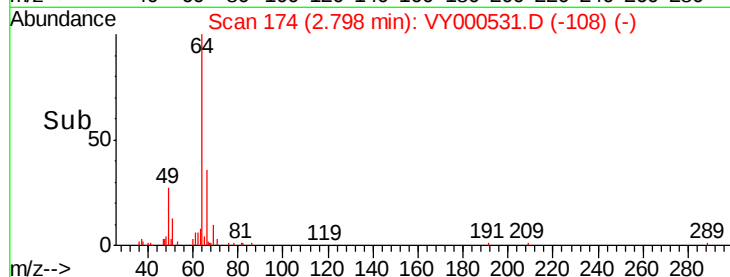
4000

2000

0

2.75 2.80 2.85 2.90

Time-->



#9

Trichlorofluoromethane

Concen: 5.082 ug/L

RT: 3.13 min Scan# 228

Delta R.T. 0.00 min

Lab File: VY000531.D

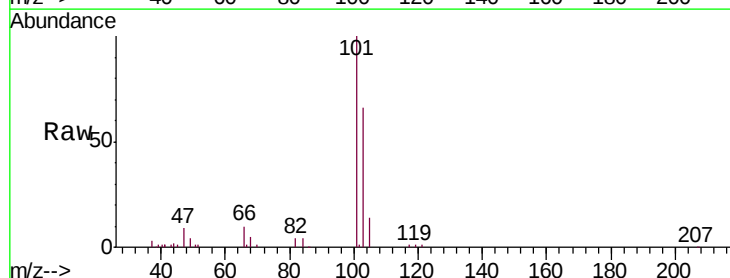
Acq: 05 Nov 2019 10:07

Tgt Ion: 101 Resp: 44050

Ion Ratio Lower Upper

101 100

103 62.2 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VY000532.D (-219) (-)

Ion 103.00 (102.70 to 103.70): VY000532.D (-219) (-)

3.13

20000

15000

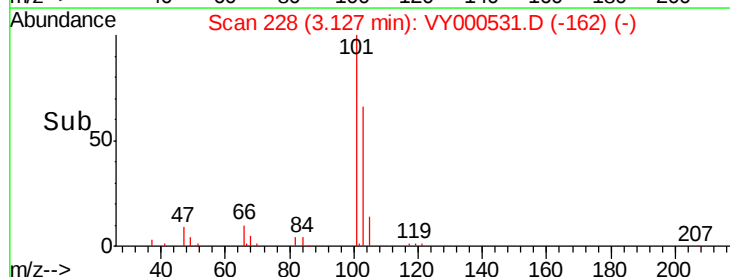
10000

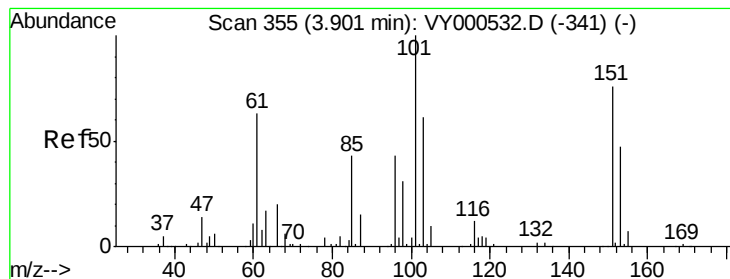
5000

0

3.00 3.10 3.20

Time-->





#10

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

Concen: 4.918 ug/L

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005781

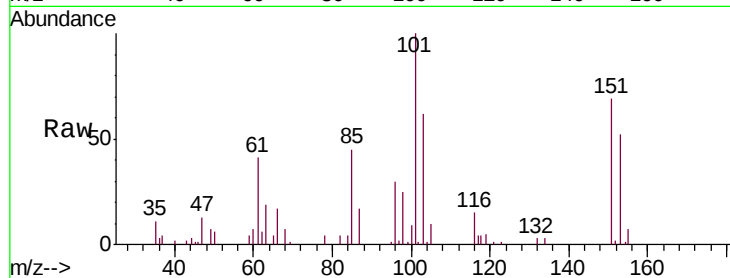
Tgt Ion:101 Resp: 24753

Ion Ratio Lower Upper

101 100

85 33.4 35.8 53.8#

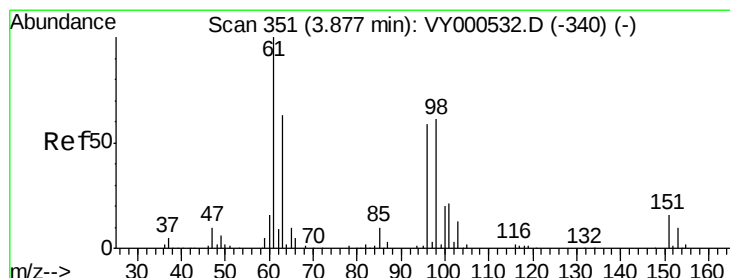
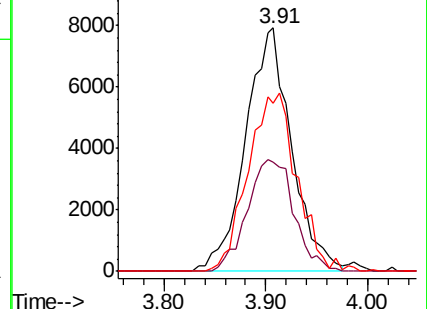
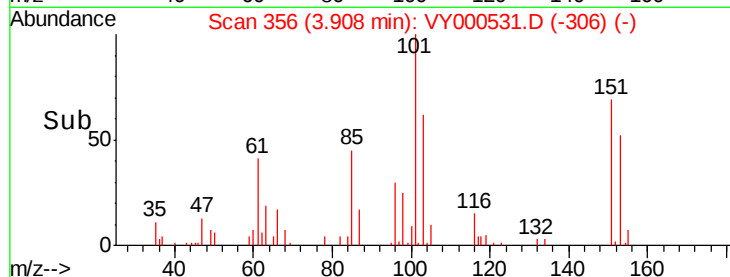
151 76.8 61.0 91.6



Abundance Ion 101.00 (100.70 to 101.70): VY000531.D (-306) (-)

Ion 85.00 (84.70 to 85.70): VY000531.D (-306) (-)

Ion 151.00 (150.70 to 151.70): VY000531.D (-306) (-)



#12

1,1-Dichloroethene

Concen: 4.957 ug/L

RT: 3.88 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

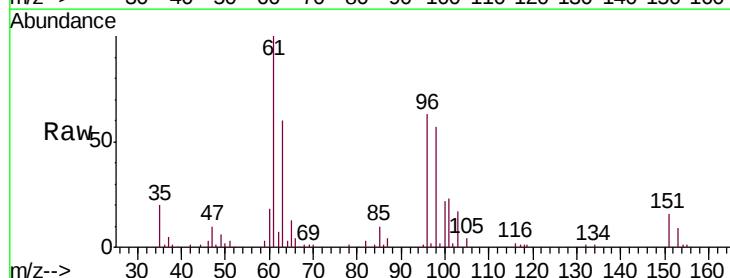
Tgt Ion: 96 Resp: 23739

Ion Ratio Lower Upper

96 100

61 158.6 118.6 220.2

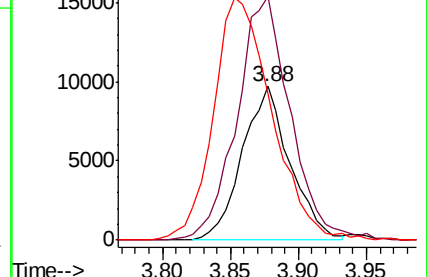
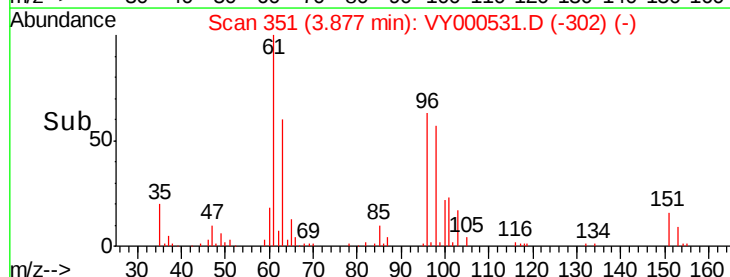
63 95.4 77.8 144.6

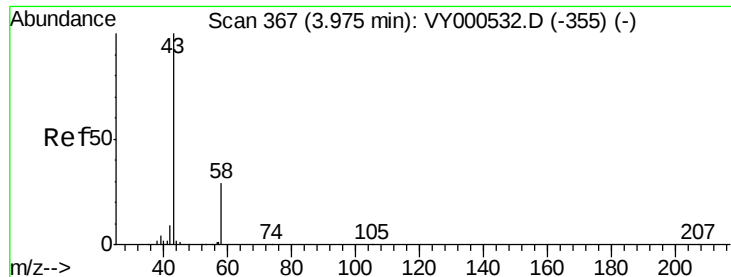


Abundance Ion 96.00 (95.70 to 96.70): VY000531.D (-302) (-)

Ion 61.00 (60.70 to 61.70): VY000531.D (-302) (-)

Ion 63.00 (62.70 to 63.70): VY000531.D (-302) (-)





#13

Acetone

Concen: 11.493 ug/L

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

Instrument :

MSVOA_Y

ClientSampleId :

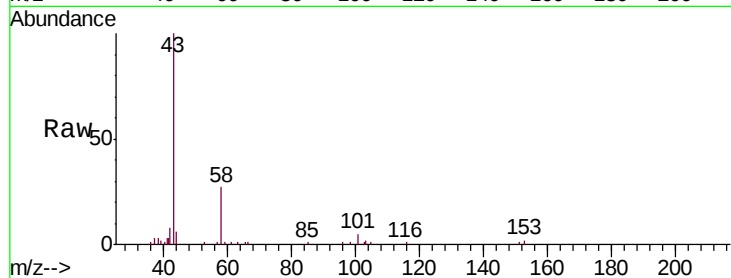
VSTD005781

Tgt Ion: 43 Resp: 26441

Ion Ratio Lower Upper

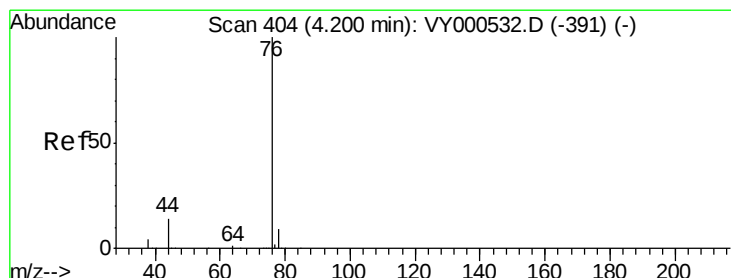
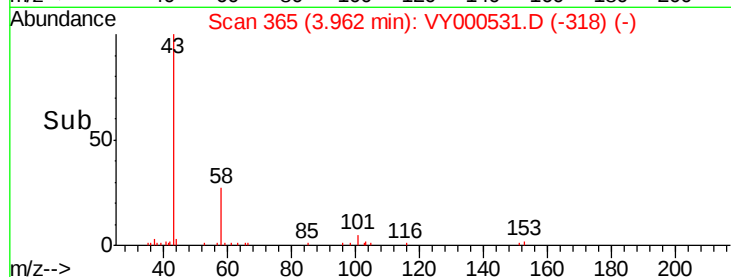
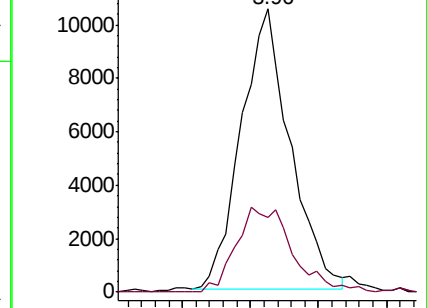
43 100

58 20.0 0.0 69.6



Abundance Ion 43.00 (42.70 to 43.70): VY000531.D (-318) (-)

Ion 58.00 (57.70 to 58.70): VY000531.D (-318) (-)



#14

Carbon disulfide

Concen: 4.809 ug/L

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY000531.D

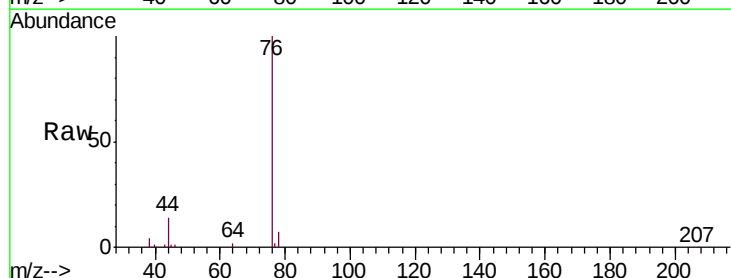
Acq: 05 Nov 2019 10:07

Tgt Ion: 76 Resp: 73036

Ion Ratio Lower Upper

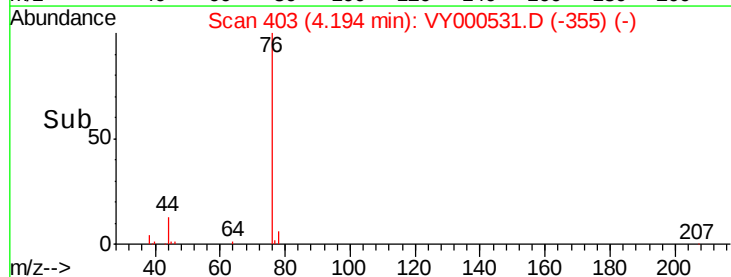
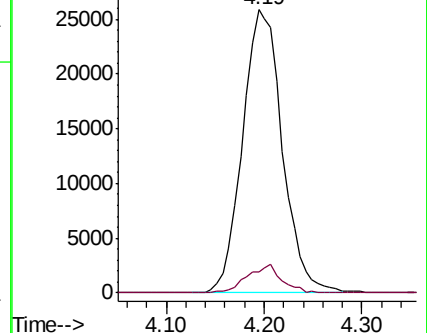
76 100

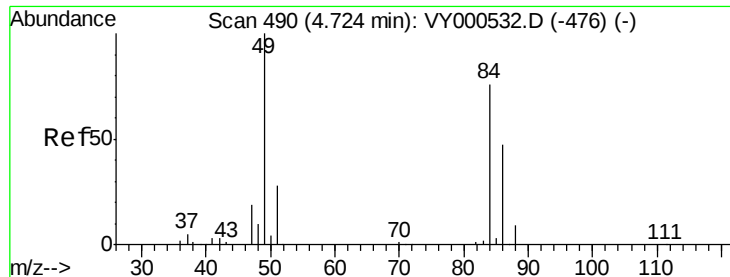
78 7.2 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VY000531.D (-355) (-)

Ion 78.00 (77.70 to 78.70): VY000531.D (-355) (-)

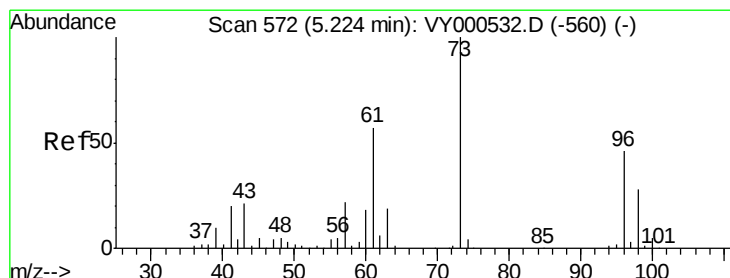
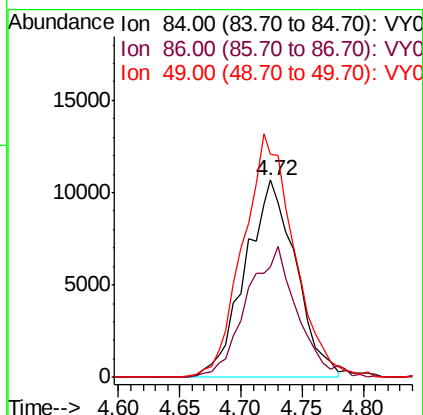
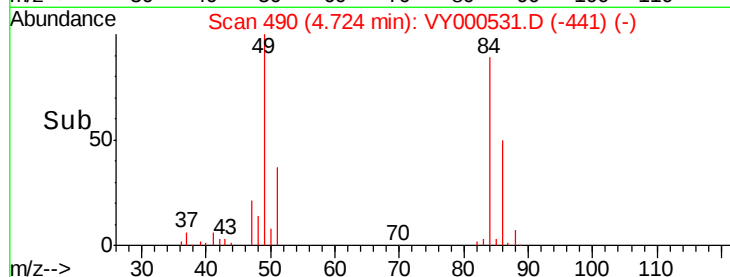
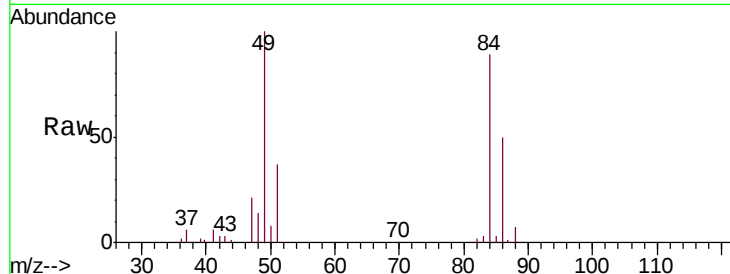




#16
Methylene chloride
Concen: 5.227 ug/L
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000531.D
Acq: 05 Nov 2019 10:07

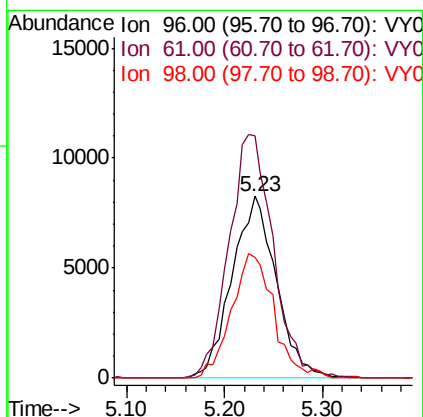
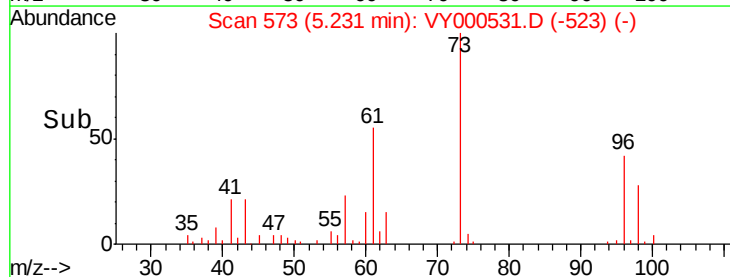
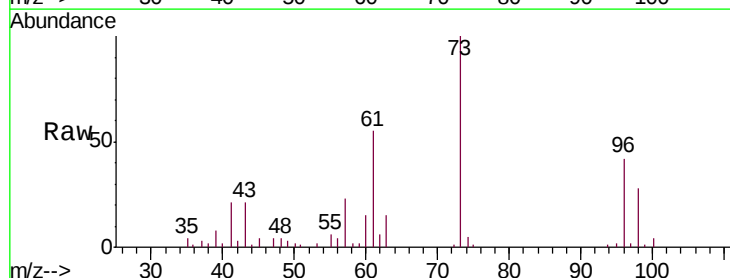
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005781

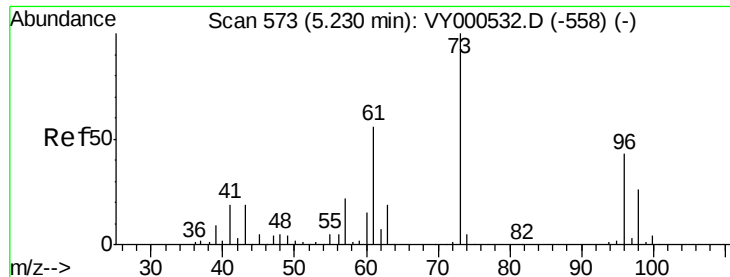
Tgt Ion: 84 Resp: 30728
Ion Ratio Lower Upper
84 100
86 55.9 43.4 80.6
49 112.9 92.3 171.3



#17
trans-1,2-Dichloroethene
Concen: 4.867 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000531.D
Acq: 05 Nov 2019 10:07

Tgt Ion: 96 Resp: 25897
Ion Ratio Lower Upper
96 100
61 132.8 86.9 161.5
98 66.7 42.6 79.0

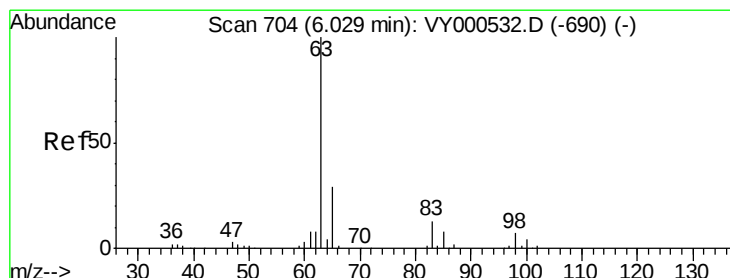
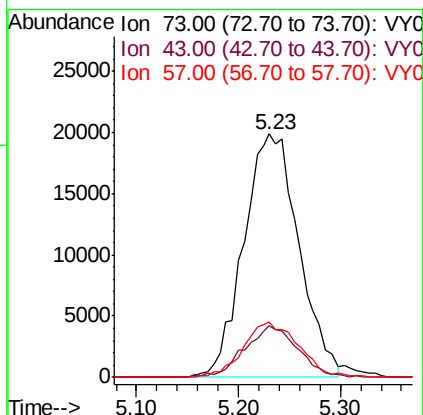
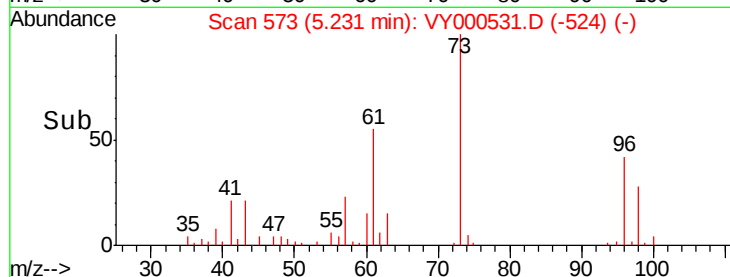
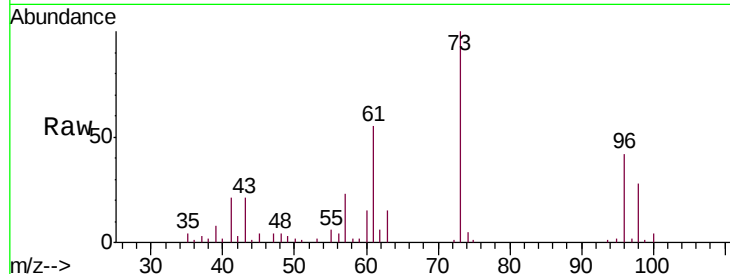




#18
Methyl tert-butyl Ether
Concen: 4.904 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY000531.D
Acq: 05 Nov 2019 10:07

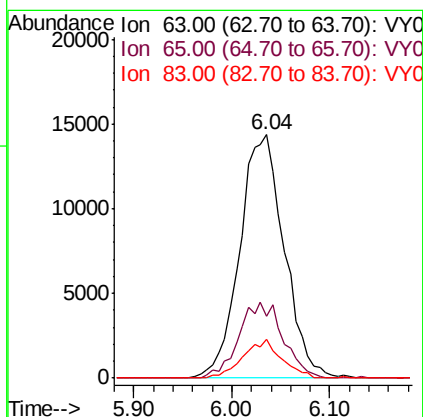
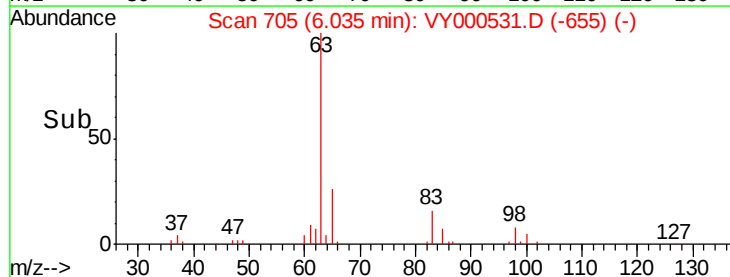
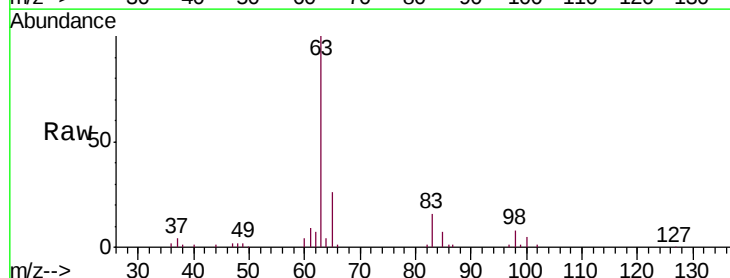
Instrument :
MSVOA_Y
ClientSampled :
VSTD005781

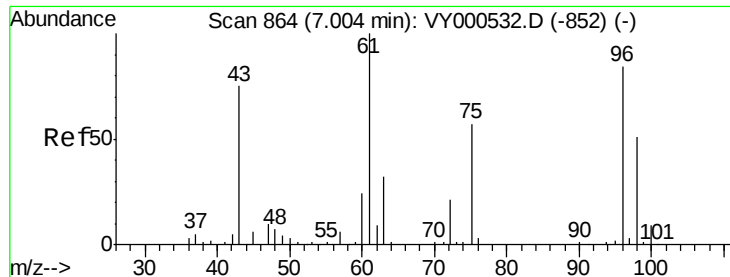
Tgt Ion: 73 Resp: 74361
Ion Ratio Lower Upper
73 100
43 20.8 15.7 23.5
57 22.3 17.6 26.4



#19
1,1-Dichloroethane
Concen: 4.847 ug/L
RT: 6.04 min Scan# 705
Delta R.T. 0.01 min
Lab File: VY000531.D
Acq: 05 Nov 2019 10:07

Tgt Ion: 63 Resp: 45214
Ion Ratio Lower Upper
63 100
65 25.7 20.2 37.4
83 16.1 9.2 17.2

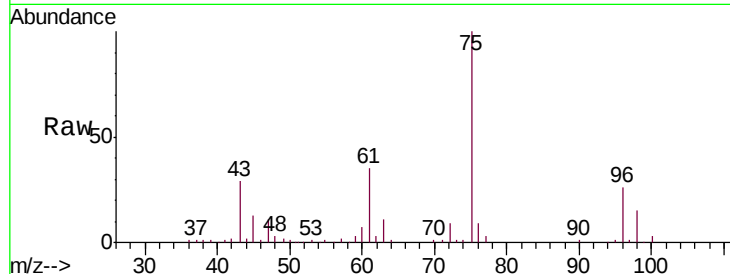




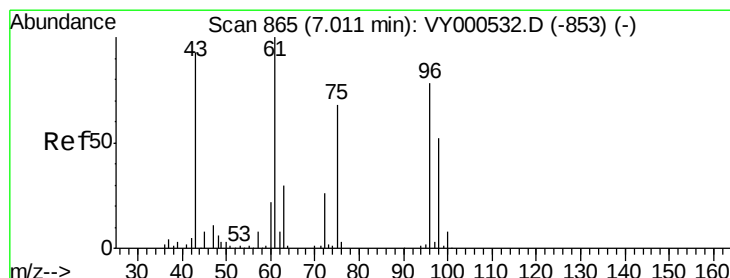
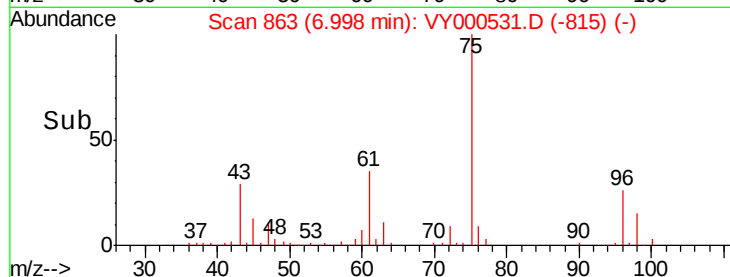
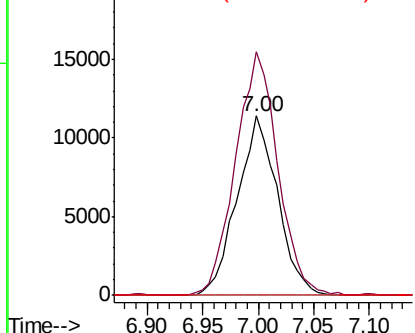
#20
 cis-1,2-Dichloroethene
 Concen: 4.858 ug/L
 RT: 7.00 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VY000531.D
 Acq: 05 Nov 2019 10:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005781

Tgt Ion: 96 Resp: 28941
 Ion Ratio Lower Upper
 96 100
 61 135.6 83.7 155.4
 68 0.0 0.0 0.0

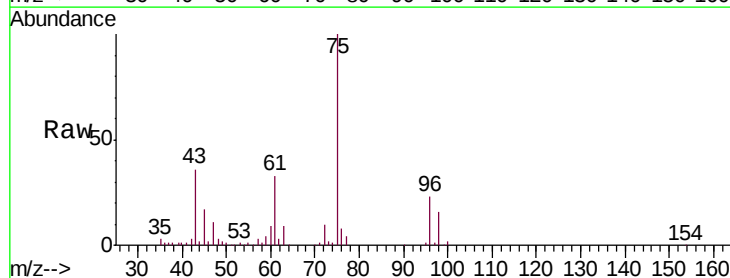


Abundance Ion 96.00 (95.70 to 96.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 68.00 (67.70 to 68.70): VY0

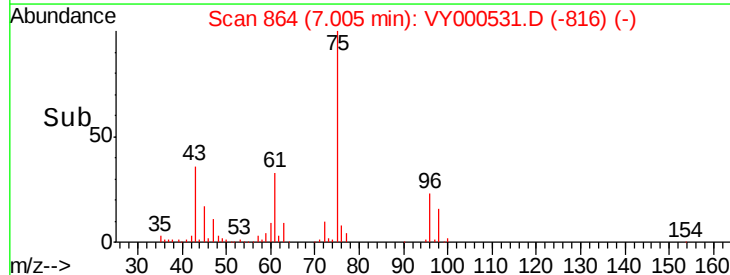
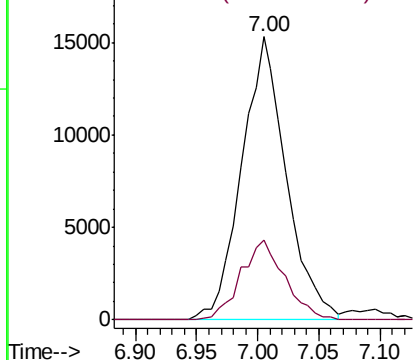


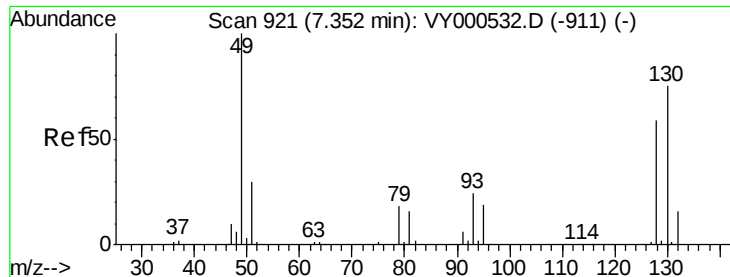
#22
 2-Butanone
 Concen: 10.989 ug/L
 RT: 7.00 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VY000531.D
 Acq: 05 Nov 2019 10:07

Tgt Ion: 43 Resp: 38734
 Ion Ratio Lower Upper
 43 100
 72 27.9 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 72.00 (71.70 to 72.70): VY0

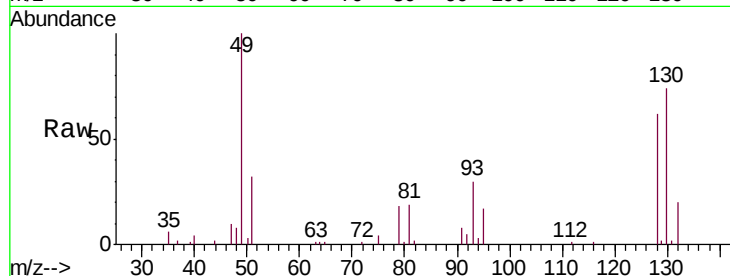




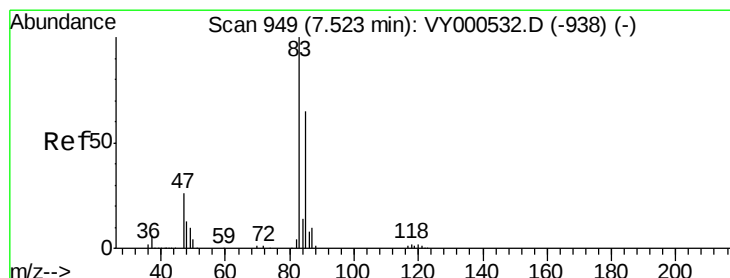
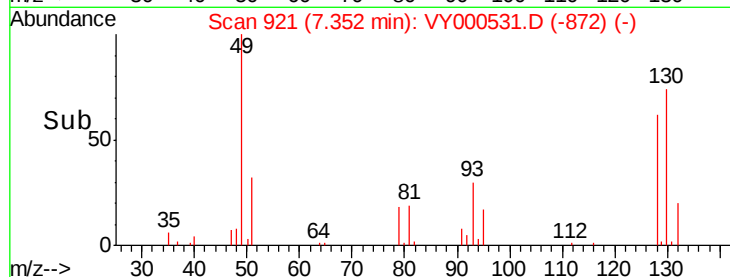
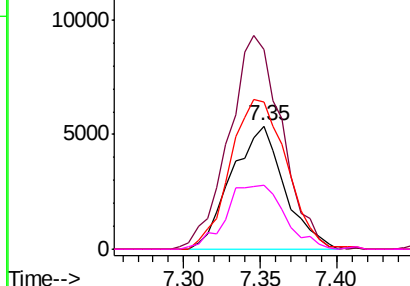
#23
 Bromochloromethane
 Concen: 4.820 ug/L
 RT: 7.35 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VY000531.D
 Acq: 05 Nov 2019 10:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005781

Tgt Ion:128 Resp: 12910
 Ion Ratio Lower Upper
 128 100
 49 162.5 119.8 222.4
 130 120.0 89.8 166.8
 51 52.1 40.8 61.2

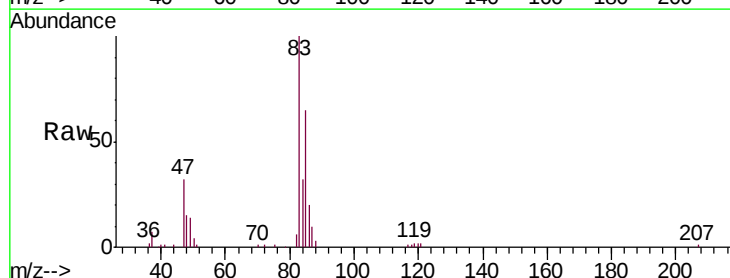


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VY0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VY0

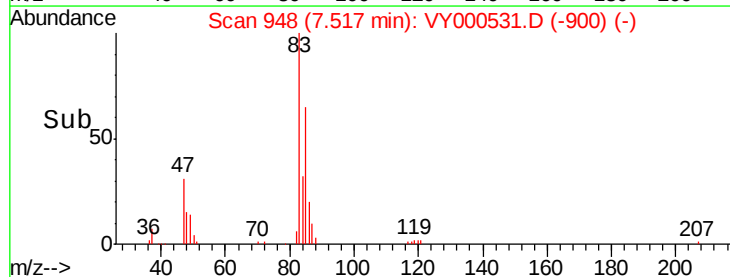
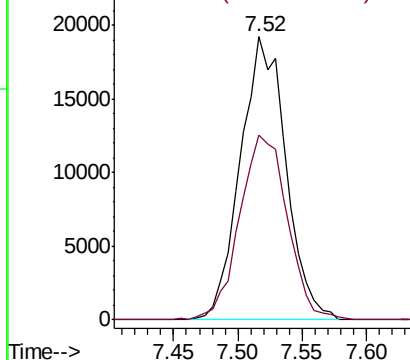


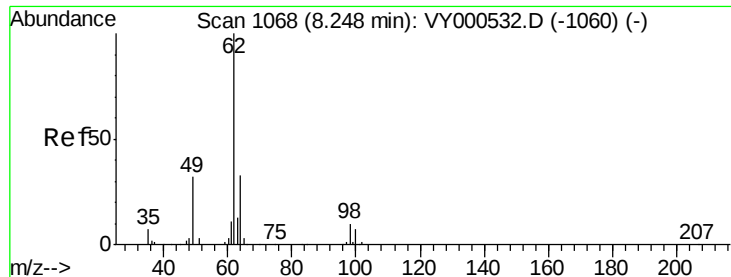
#25
 Chloroform
 Concen: 4.883 ug/L
 RT: 7.52 min Scan# 948
 Delta R.T. -0.01 min
 Lab File: VY000531.D
 Acq: 05 Nov 2019 10:07

Tgt Ion: 83 Resp: 47037
 Ion Ratio Lower Upper
 83 100
 85 65.2 46.0 85.4



Abundance Ion 83.00 (82.70 to 83.70): VY0
 Ion 85.00 (84.70 to 85.70): VY0





#27

1,2-Dichloroethane

Concen: 4.852 ug/L

RT: 8.25 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

Instrument :

MSVOA_Y

ClientSampleId :

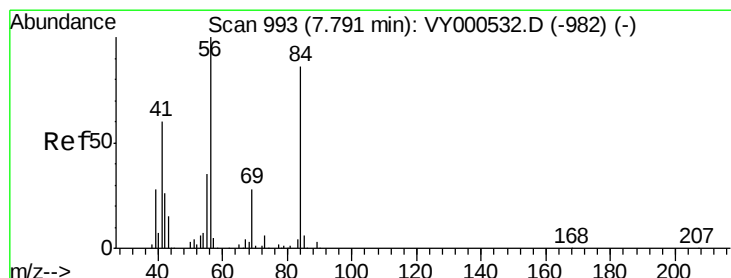
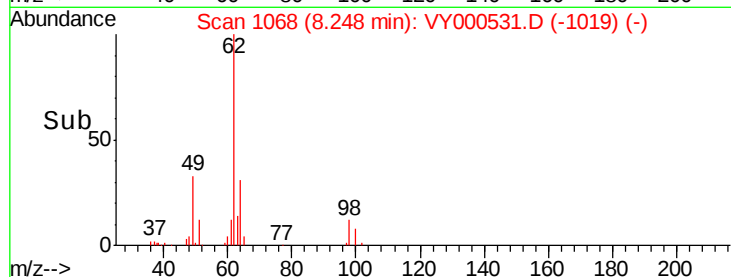
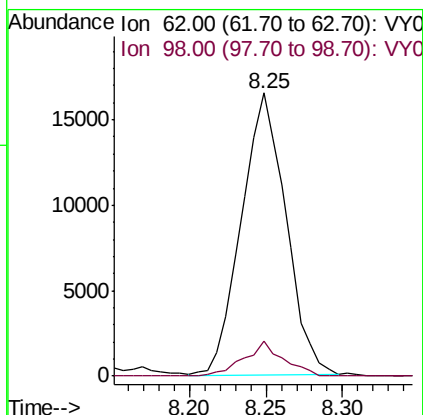
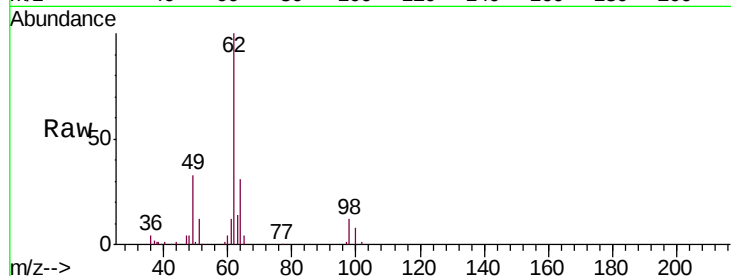
VSTD005781

Tgt Ion: 62 Resp: 33386

Ion Ratio Lower Upper

62 100

98 12.3 7.8 11.8#



#29

Cyclohexane

Concen: 4.948 ug/L

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

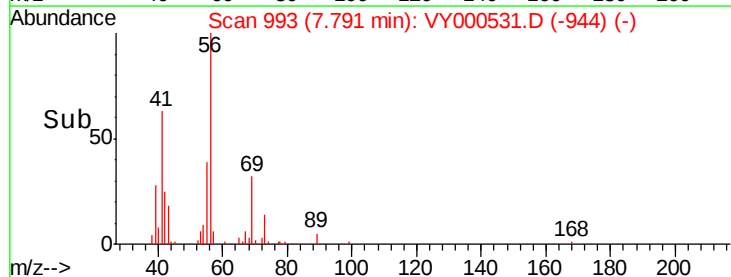
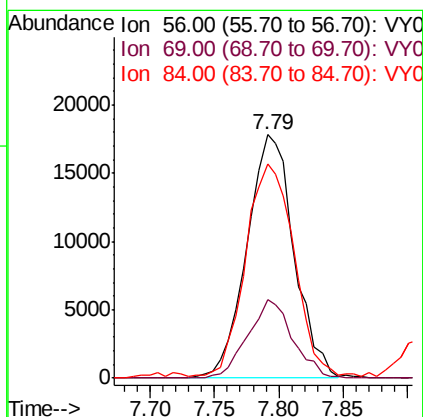
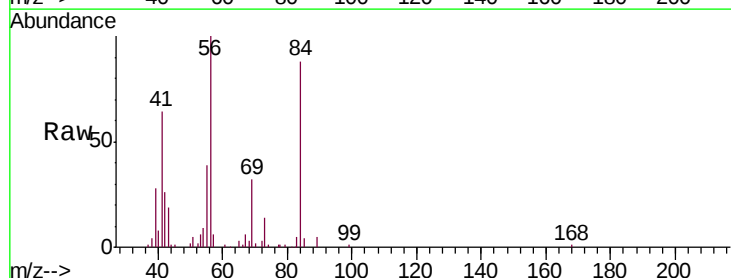
Tgt Ion: 56 Resp: 45232

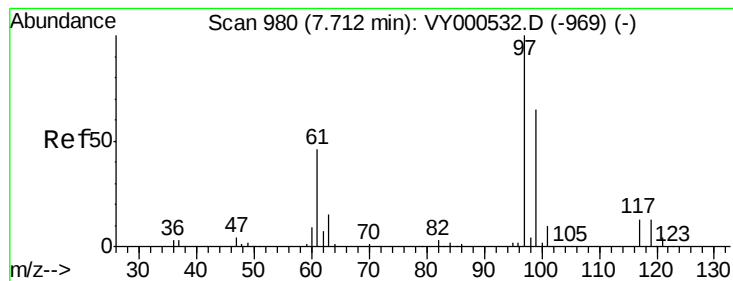
Ion Ratio Lower Upper

56 100

69 30.6 23.4 35.2

84 90.8 70.2 105.2





#30

1,1,1-Trichloroethane

Concen: 4.921 ug/L

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005781

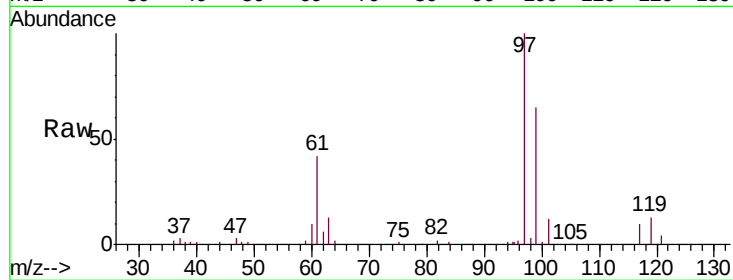
Tgt Ion: 97 Resp: 39727

Ion Ratio Lower Upper

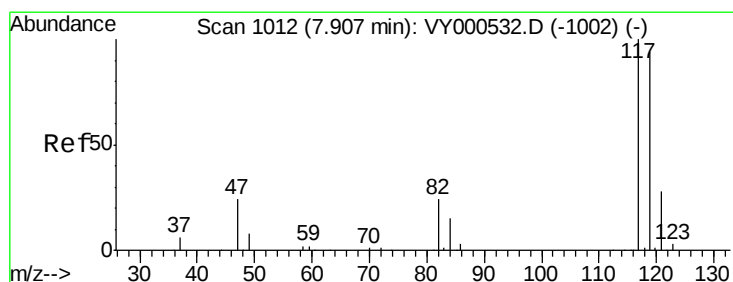
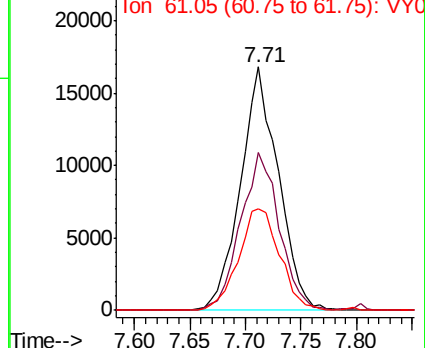
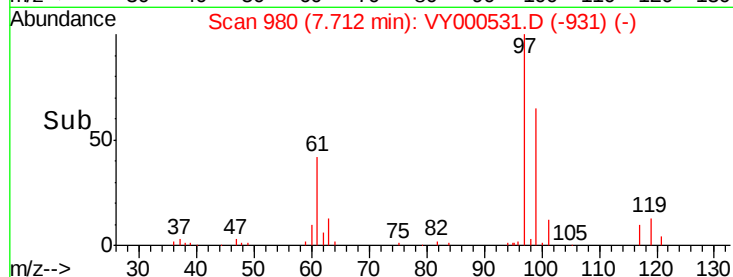
97 100

99 66.0 51.4 77.0

61 45.2 35.4 53.0



Abundance Ion 97.00 (96.70 to 97.70): VY000531.D (-931) (-)



#31

Carbon tetrachloride

Concen: 5.069 ug/L

RT: 7.91 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VY000531.D

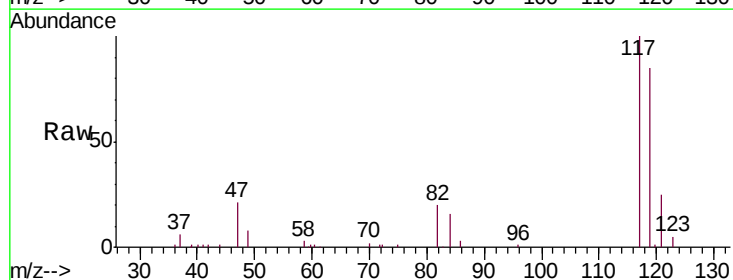
Acq: 05 Nov 2019 10:07

Tgt Ion: 117 Resp: 37736

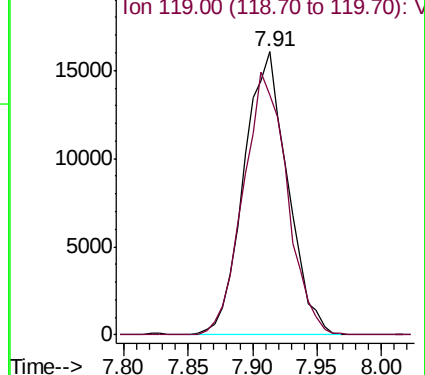
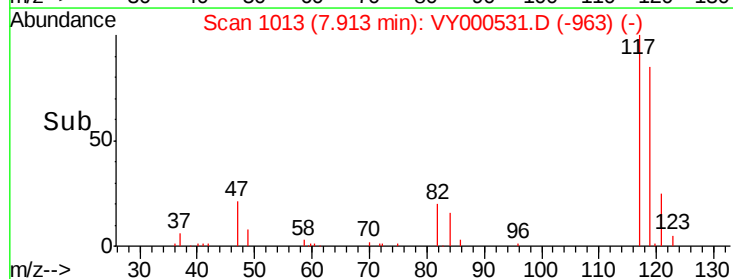
Ion Ratio Lower Upper

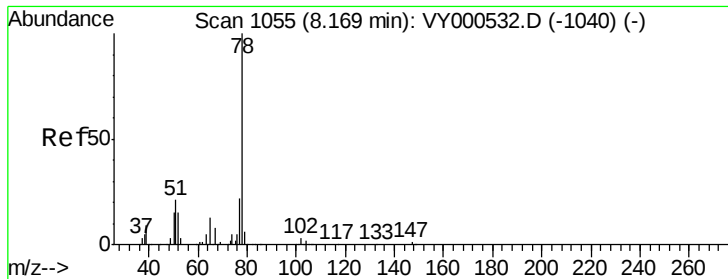
117 100

119 92.8 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): VY000531.D (-963) (-)





#33

Benzene

Concen: 5.025 ug/L

RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

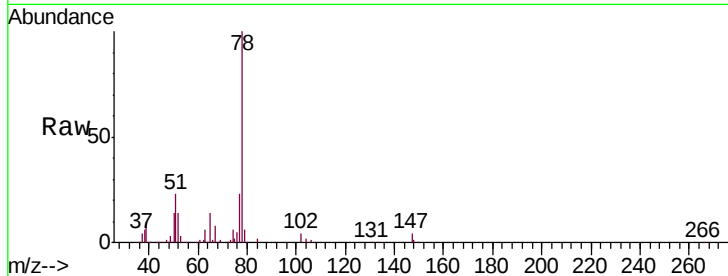
Instrument :

MSVOA_Y

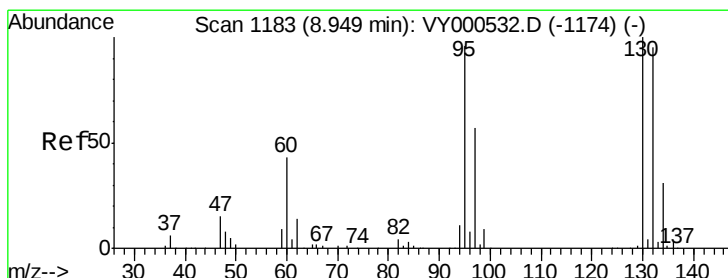
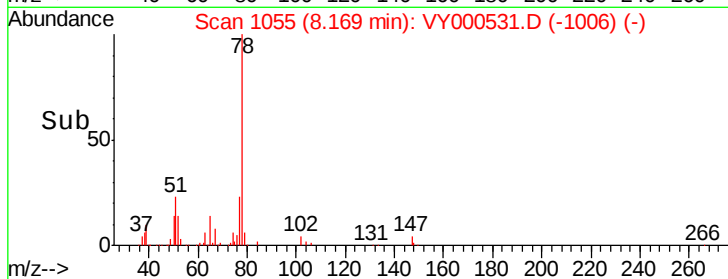
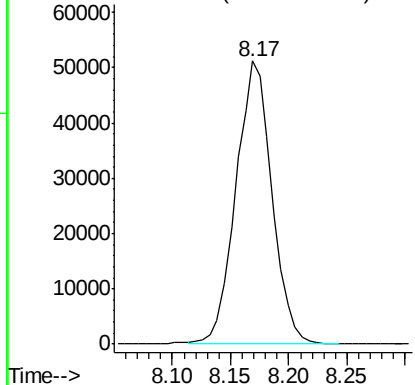
ClientSampleId :

VSTD005781

Tgt Ion: 78 Resp: 110448



Abundance Ion 78.00 (77.70 to 78.70): VY0



#34

Trichloroethene

Concen: 5.200 ug/L

RT: 8.94 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

Tgt Ion: 95 Resp: 30162

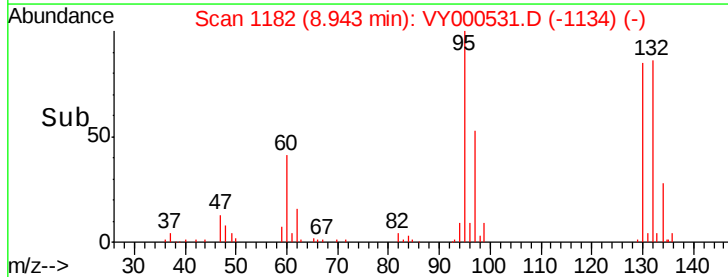
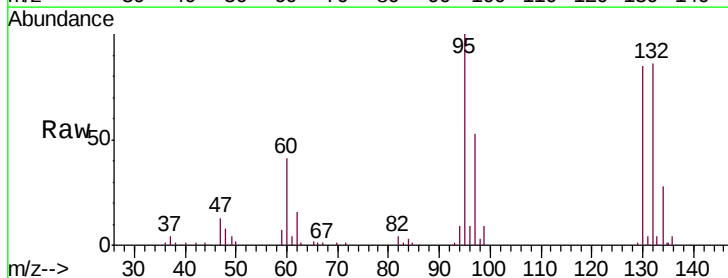
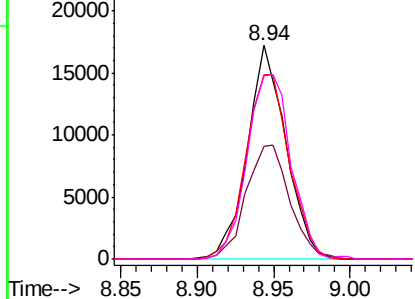
Ion	Ratio	Lower	Upper
95	100		
97	52.8	41.4	76.8
132	86.2	69.7	129.4
130	85.4	73.1	135.8

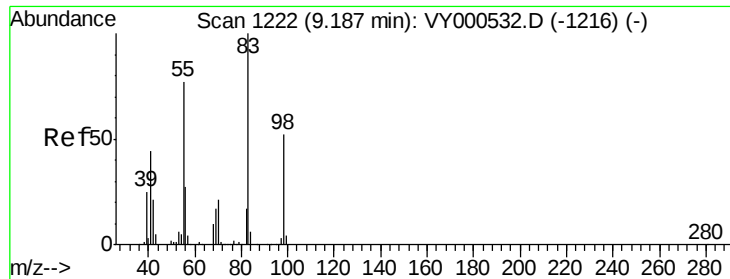
Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0

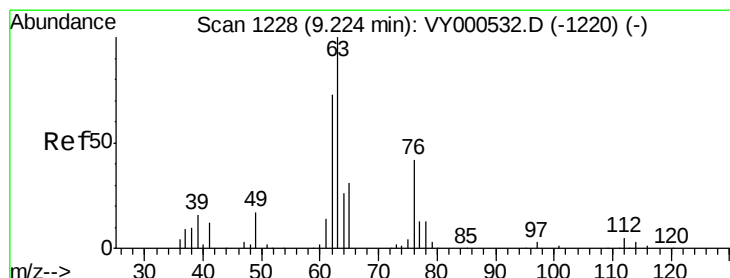
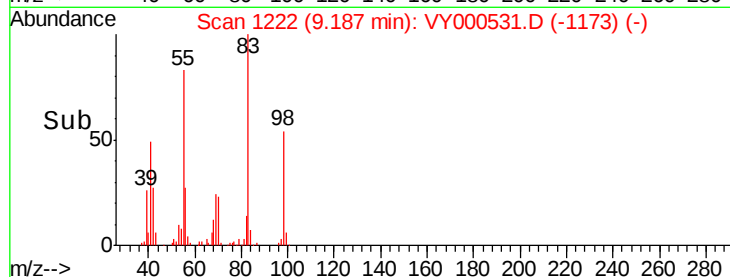
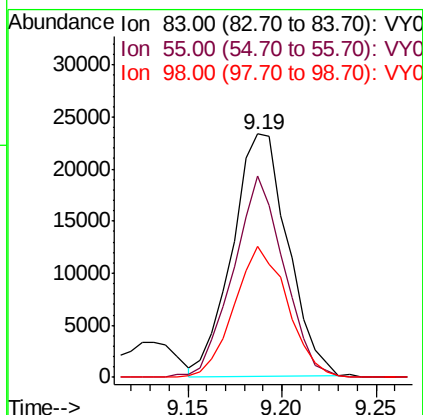
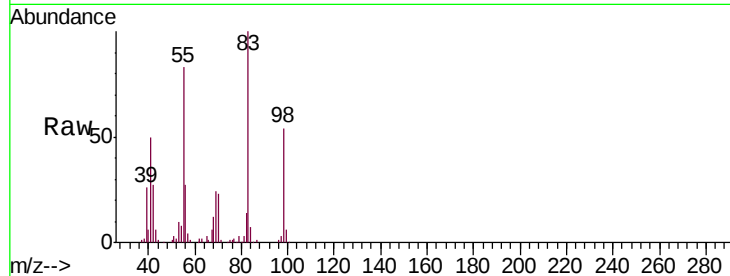




#35
Methylcyclohexane
Concen: 4.771 ug/L
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY000531.D
Acq: 05 Nov 2019 10:07

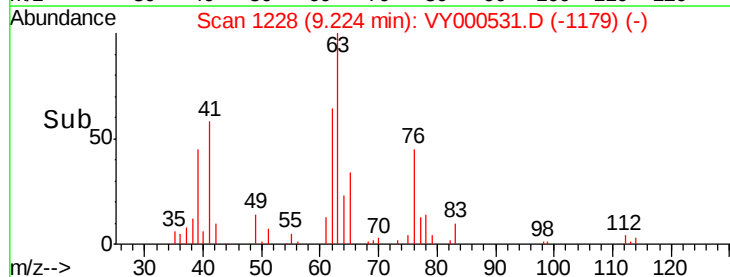
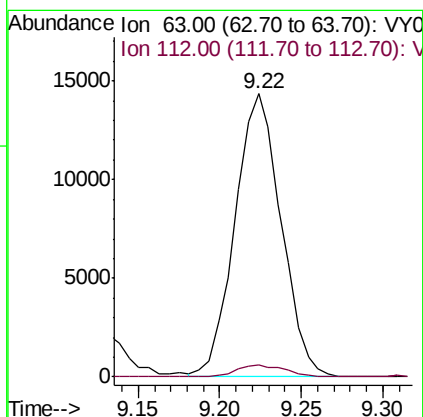
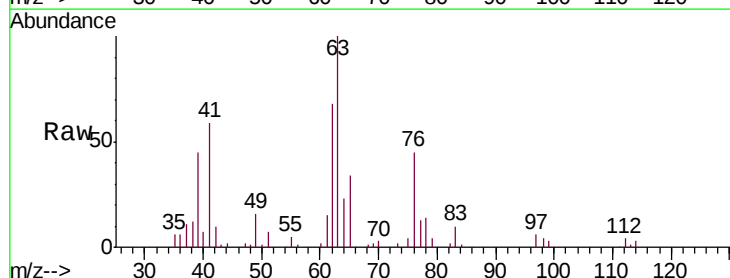
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005781

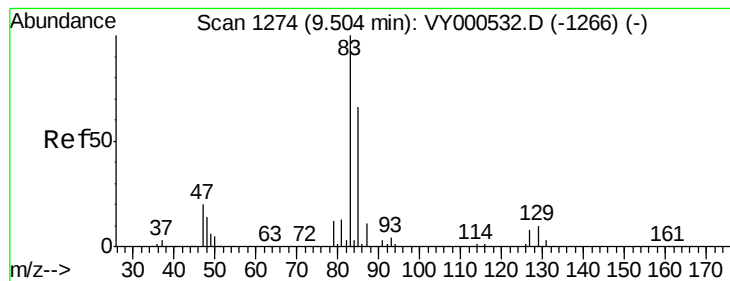
Tgt Ion: 83 Resp: 47534
Ion Ratio Lower Upper
83 100
55 76.2 57.8 86.8
98 51.9 38.7 58.1



#37
1,2-Dichloropropane
Concen: 5.026 ug/L
RT: 9.22 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VY000531.D
Acq: 05 Nov 2019 10:07

Tgt Ion: 63 Resp: 28182
Ion Ratio Lower Upper
63 100
112 4.4 3.5 5.3





#38

Bromodichloromethane

Concen: 5.036 ug/L

RT: 9.50 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005781

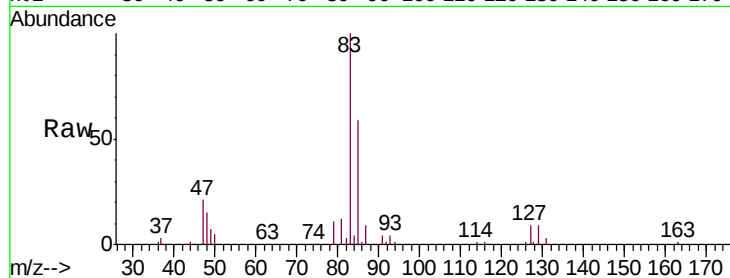
Tgt Ion: 83 Resp: 35931

Ion Ratio Lower Upper

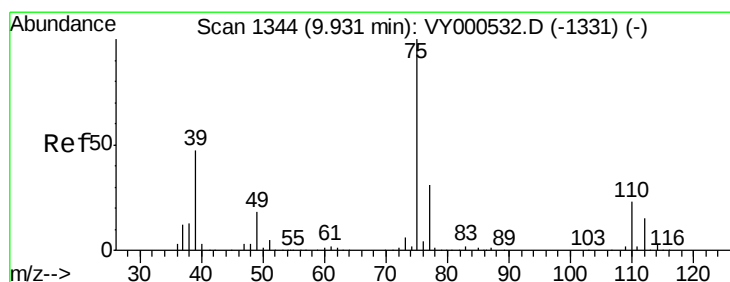
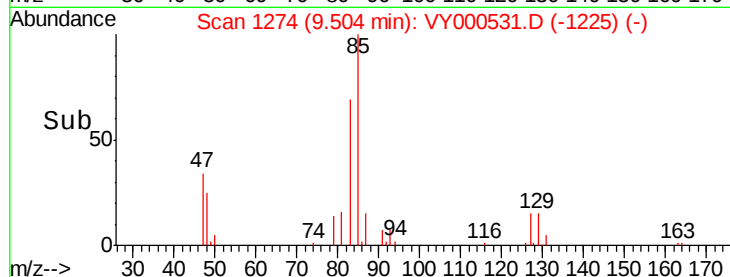
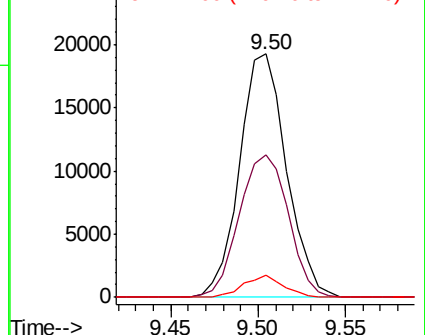
83 100

85 58.6 46.1 85.7

127 8.9 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 85.00 (84.70 to 85.70): VY0
Ion 127.00 (126.70 to 127.70): VY0



#39

cis-1,3-Dichloropropene

Concen: 4.874 ug/L

RT: 9.94 min Scan# 1345

Delta R.T. 0.01 min

Lab File: VY000531.D

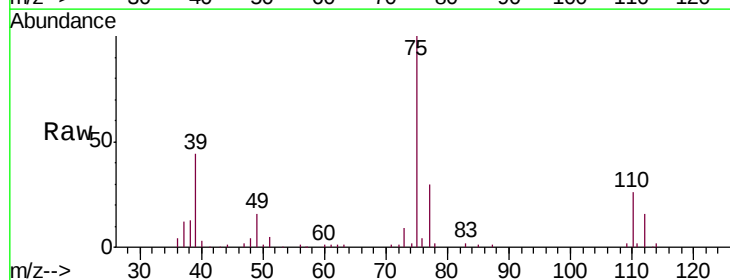
Acq: 05 Nov 2019 10:07

Tgt Ion: 75 Resp: 43795

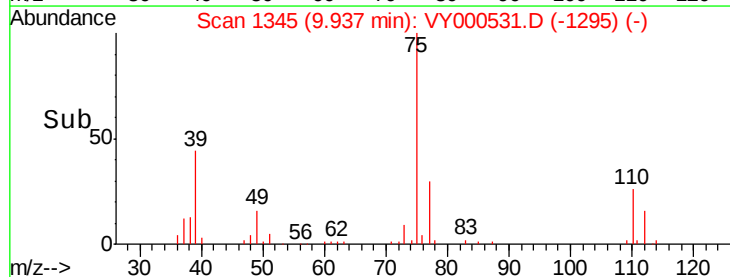
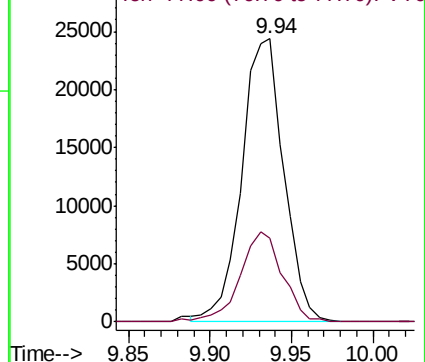
Ion Ratio Lower Upper

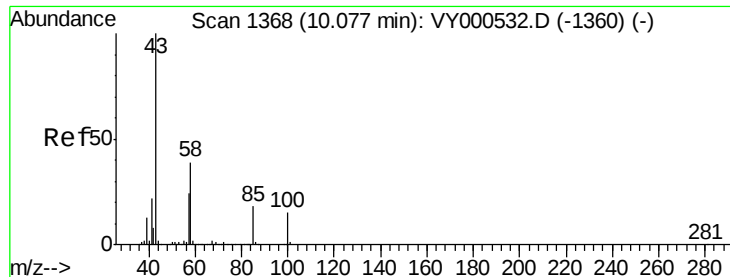
75 100

77 29.6 21.3 39.6



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

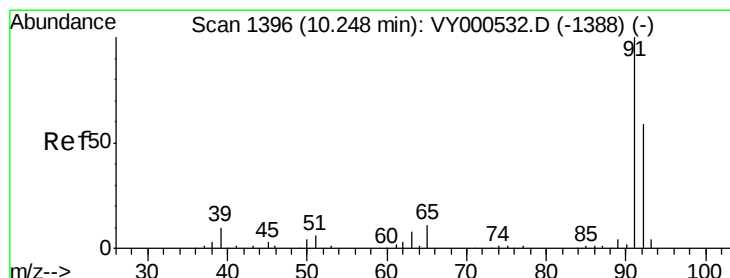
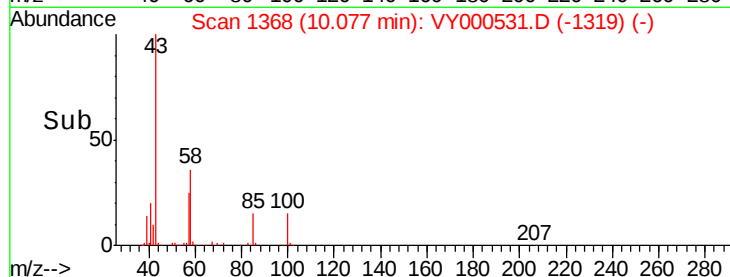
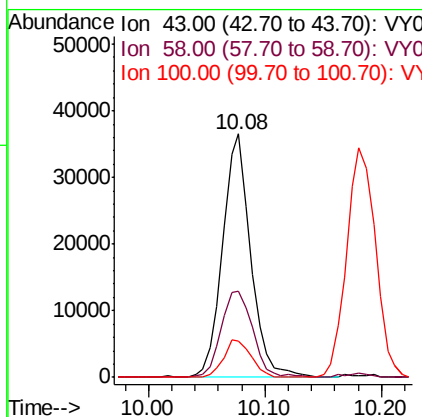
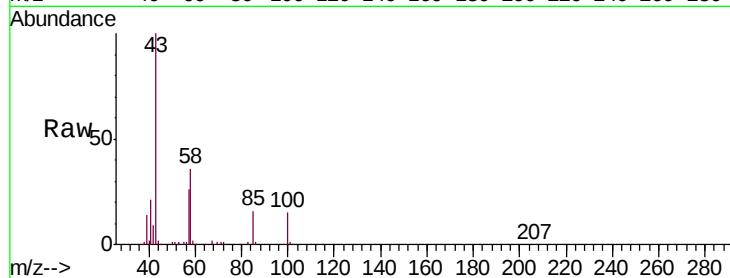




#40
4-Methyl-2-pentanone
Concen: 9.882 ug/L
RT: 10.08 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VY000531.D
Acq: 05 Nov 2019 10:07

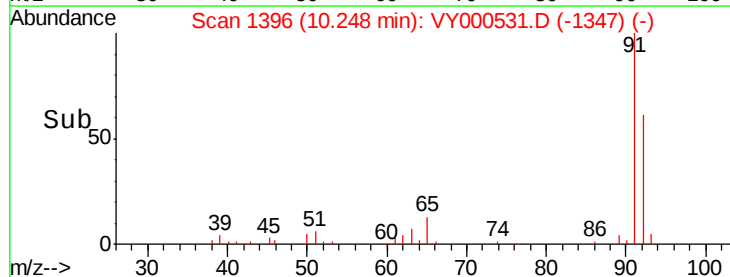
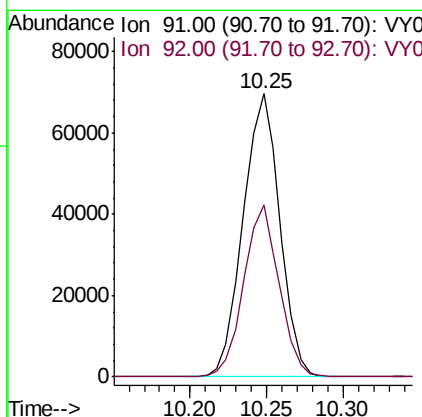
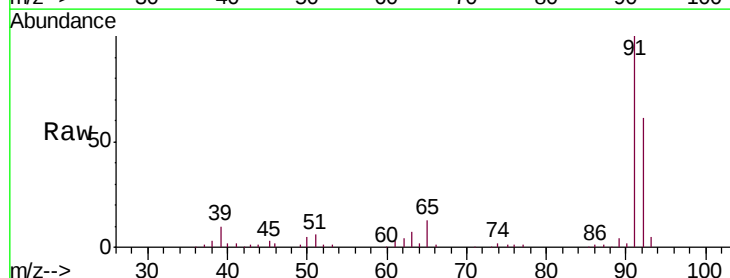
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005781

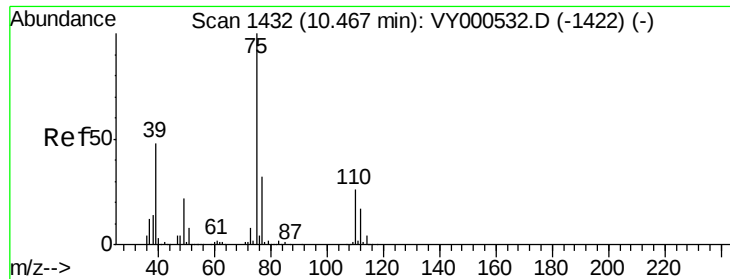
Tgt Ion: 43 Resp: 61065
Ion Ratio Lower Upper
43 100
58 39.2 30.6 45.8
100 15.1 11.6 17.4



#42
Toluene
Concen: 4.948 ug/L
RT: 10.25 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VY000531.D
Acq: 05 Nov 2019 10:07

Tgt Ion: 91 Resp: 116133
Ion Ratio Lower Upper
91 100
92 60.9 41.2 76.6





#44

trans-1,3-Dichloropropene

Concen: 4.722 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

Instrument :

MSVOA_Y

ClientSampled :

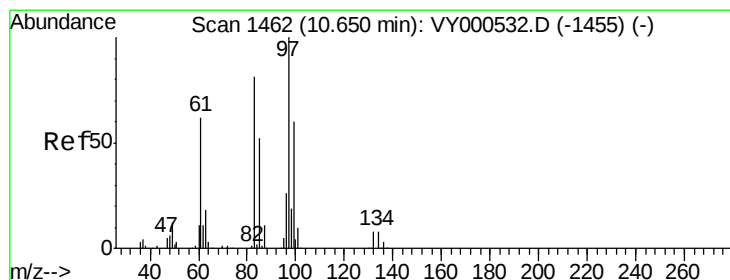
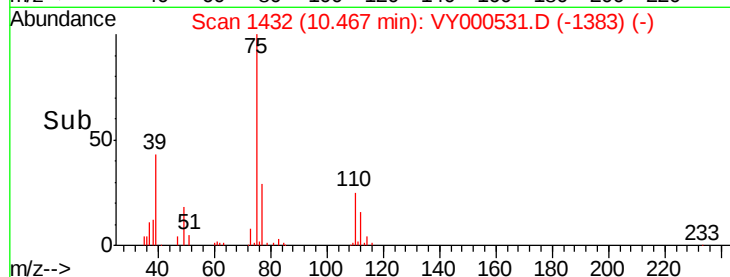
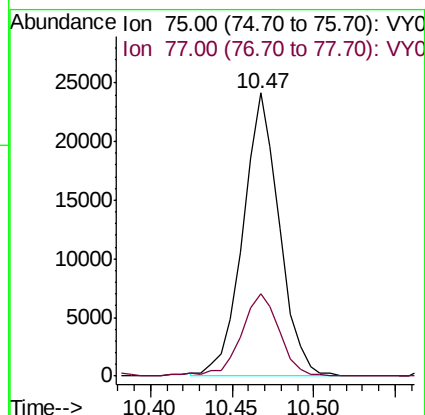
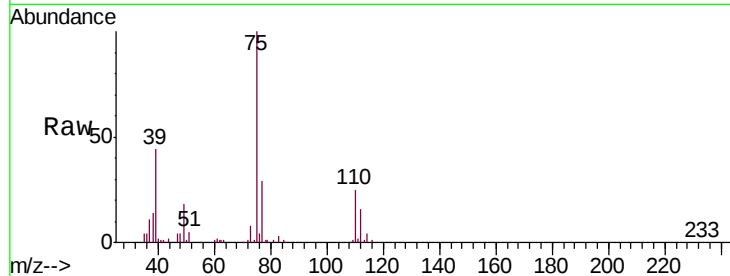
VSTD005781

Tgt Ion: 75 Resp: 37492

Ion Ratio Lower Upper

75 100

77 29.1 22.7 42.1



#45

1,1,2-Trichloroethane

Concen: 4.941 ug/L

RT: 10.65 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

Tgt Ion: 97 Resp: 23520

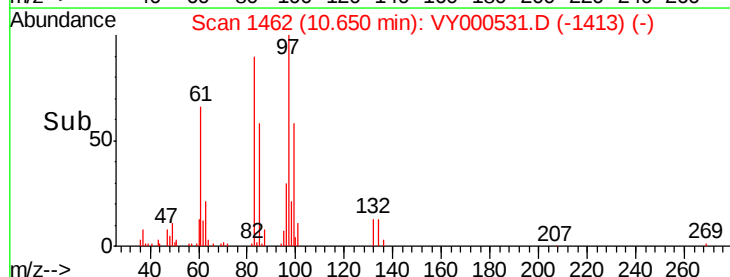
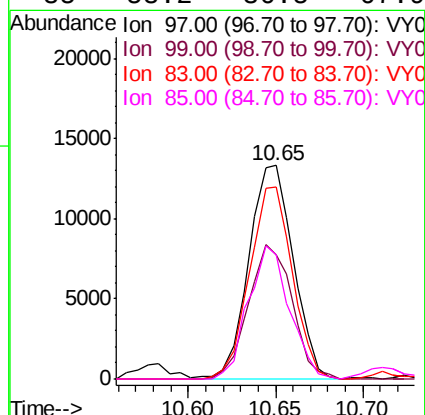
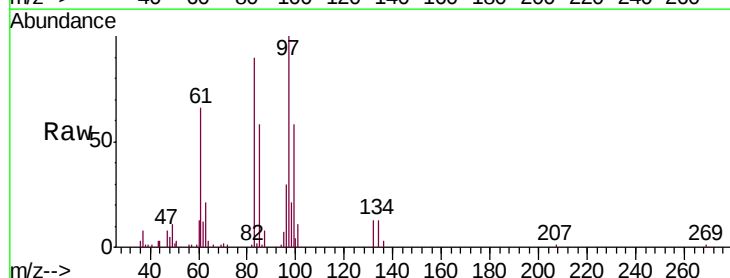
Ion Ratio Lower Upper

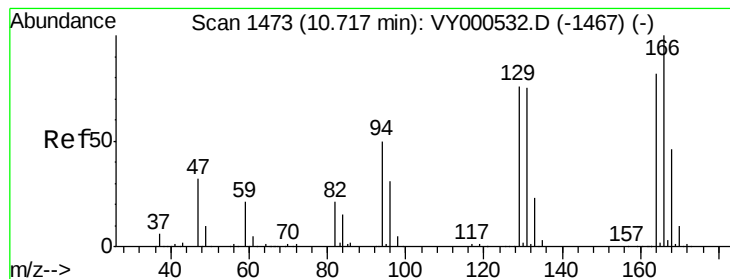
97 100

99 57.9 42.1 78.1

83 90.1 56.8 105.6

85 58.2 36.5 67.9





#46

Tetrachloroethene

Concen: 5.173 ug/L

RT: 10.72 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005781

Tgt Ion:164 Resp: 22906

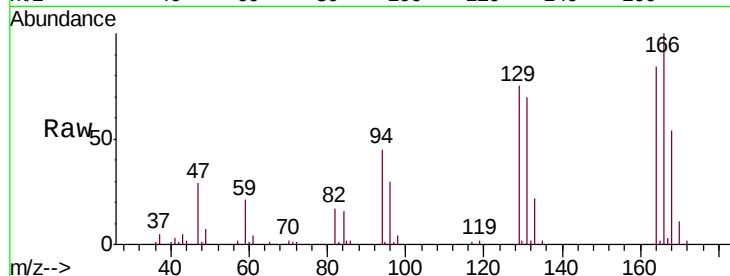
Ion Ratio Lower Upper

164 100

129 89.8 65.7 121.9

131 83.8 64.7 120.1

166 119.6 85.8 159.3



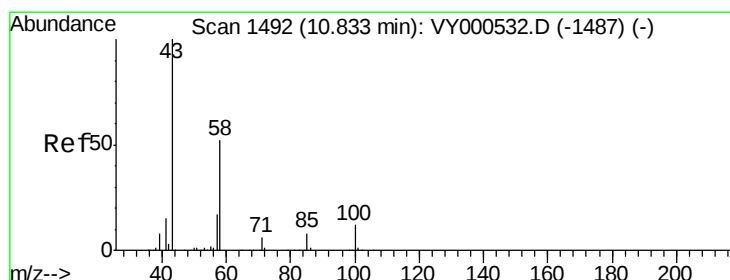
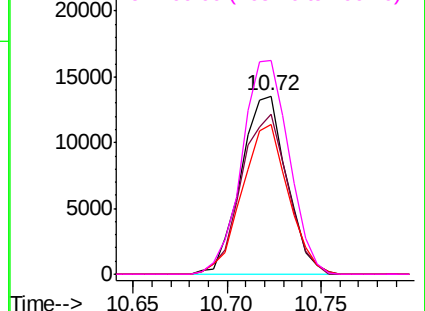
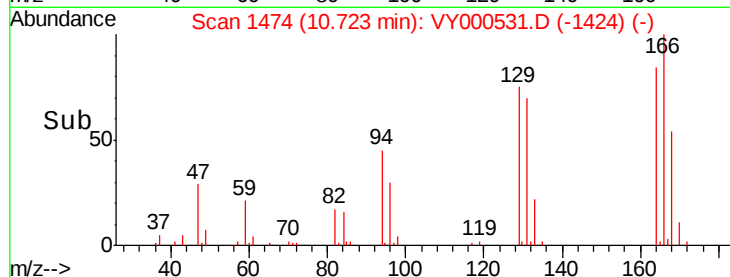
Abundance

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: 10.082 ug/L

RT: 10.83 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

Tgt Ion: 43 Resp: 48703

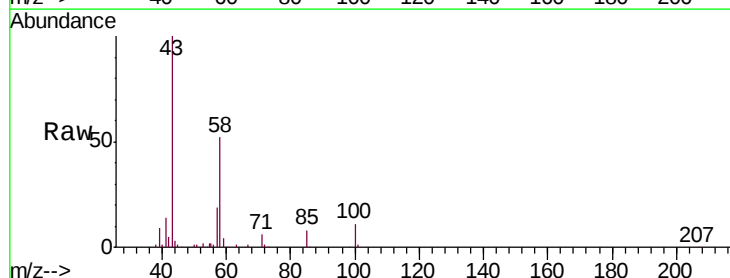
Ion Ratio Lower Upper

43 100

58 52.9 42.5 63.7

57 18.4 14.2 21.4

100 12.4 9.1 13.7



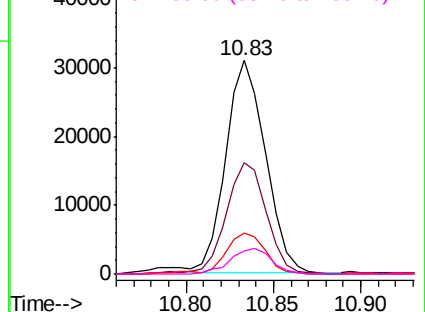
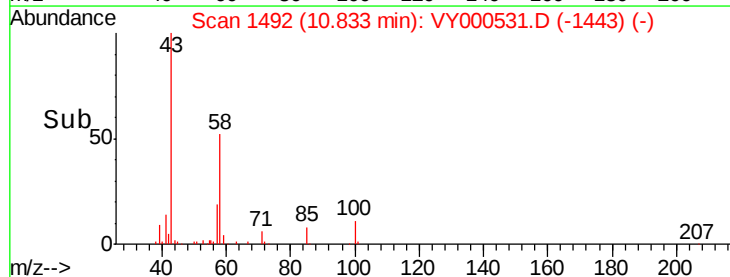
Abundance

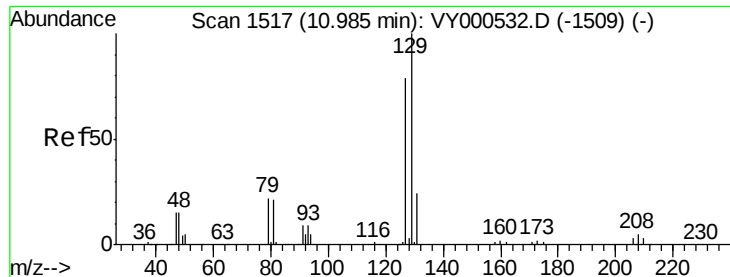
Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#49

Dibromochloromethane

Concen: 4.944 ug/L

RT: 10.99 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

Instrument :

MSVOA_Y

ClientSampleId :

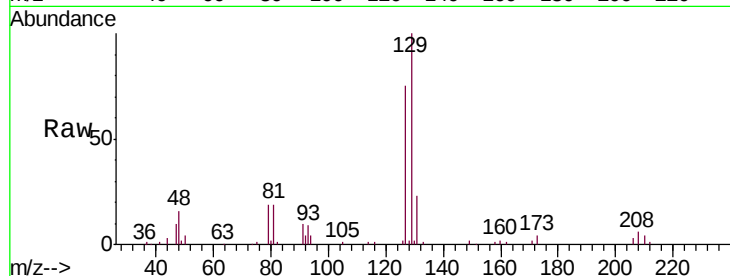
VSTD005781

Tgt Ion:129 Resp: 26520

Ion Ratio Lower Upper

129 100

127 75.4 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.99

15000

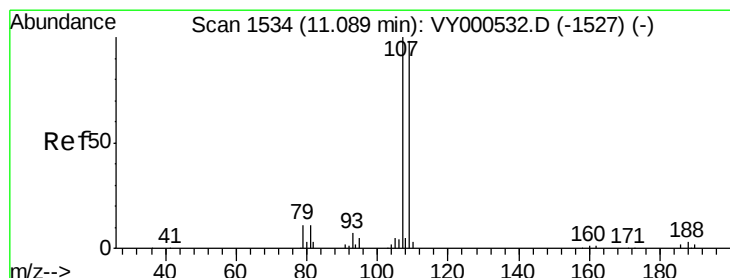
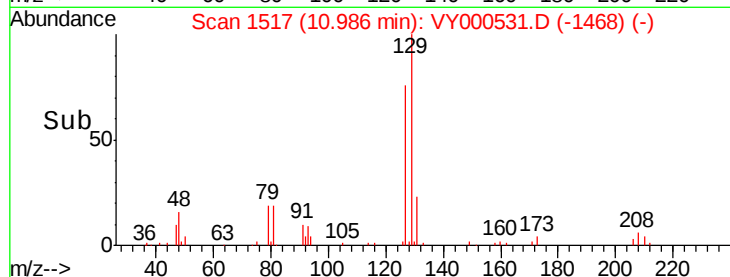
10000

5000

0

Time-->

10.95 11.00



#50

1,2-Dibromoethane

Concen: 5.153 ug/L

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

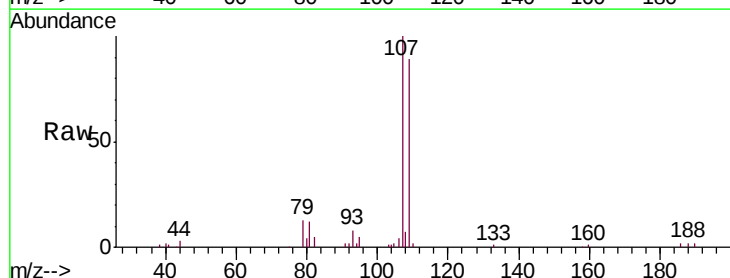
Tgt Ion:107 Resp: 24808

Ion Ratio Lower Upper

107 100

109 88.9 68.3 126.9

188 2.0 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

11.09

20000

15000

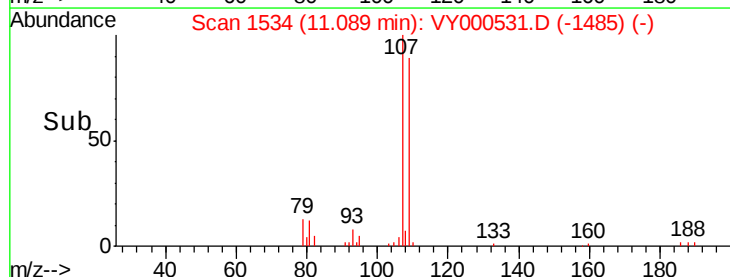
10000

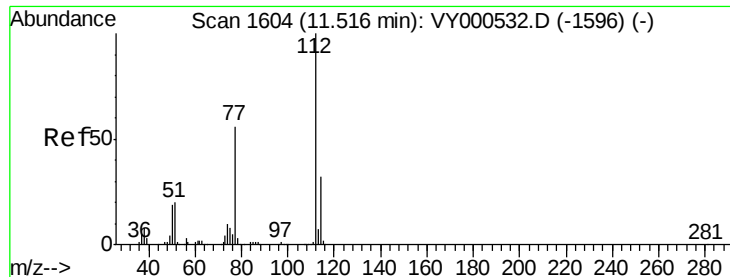
5000

0

Time-->

11.05 11.10





#51

Chlorobenzene

Concen: 4.965 ug/L

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005781

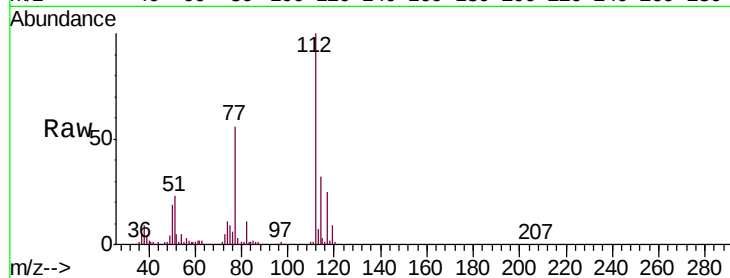
Tgt Ion: 112 Resp: 74435

Ion Ratio Lower Upper

112 100

114 31.7 22.1 41.1

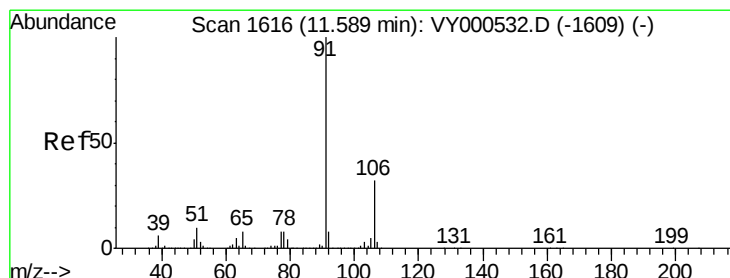
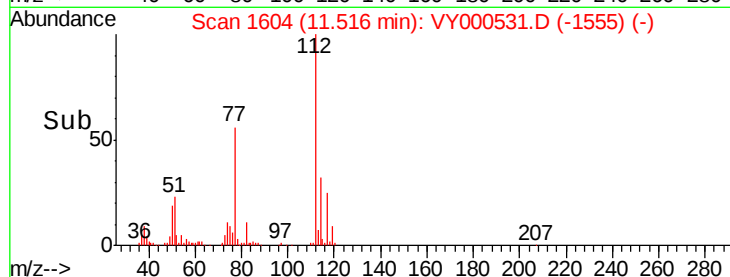
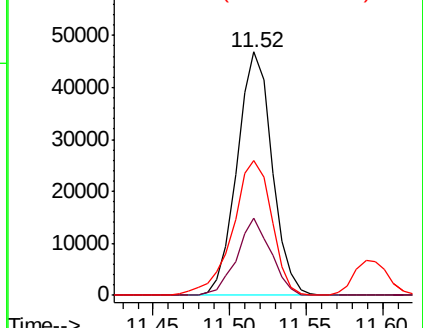
77 55.6 45.3 67.9



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): V



#52

Ethylbenzene

Concen: 4.870 ug/L

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY000531.D

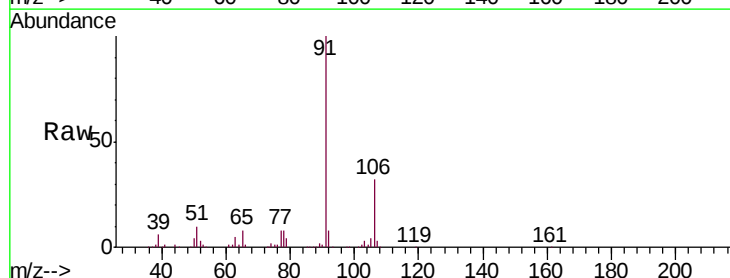
Acq: 05 Nov 2019 10:07

Tgt Ion: 91 Resp: 130390

Ion Ratio Lower Upper

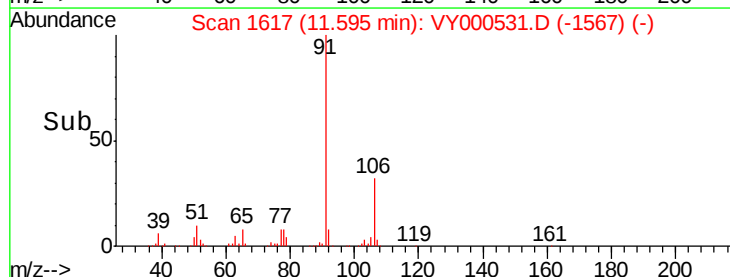
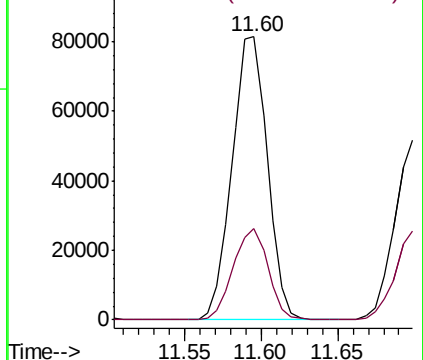
91 100

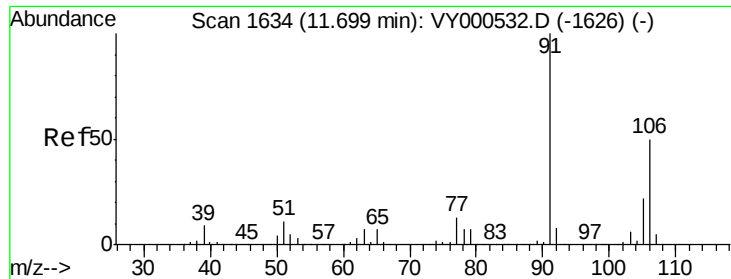
106 32.1 22.2 41.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 4.761 ug/L

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

Instrument :

MSVOA_Y

ClientSampleId :

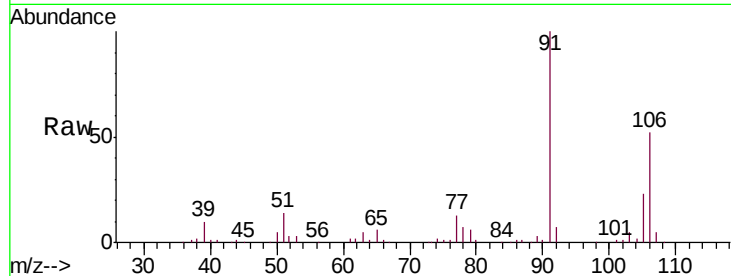
VSTD005781

Tgt Ion:106 Resp: 48847

Ion Ratio Lower Upper

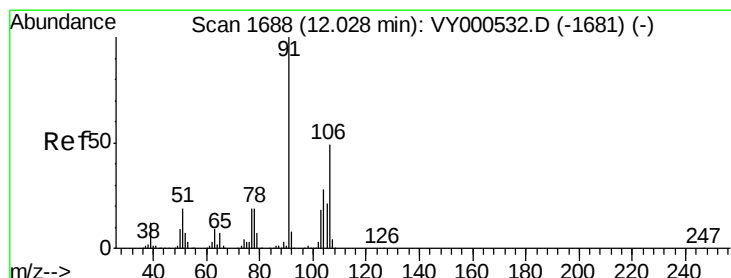
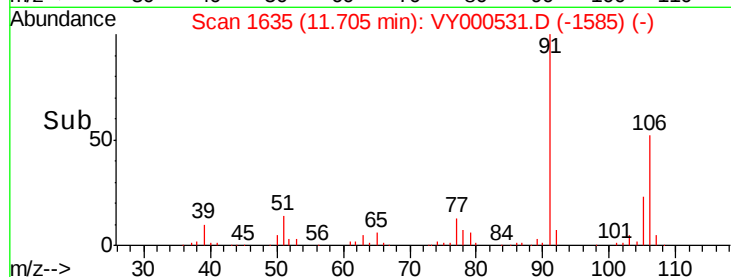
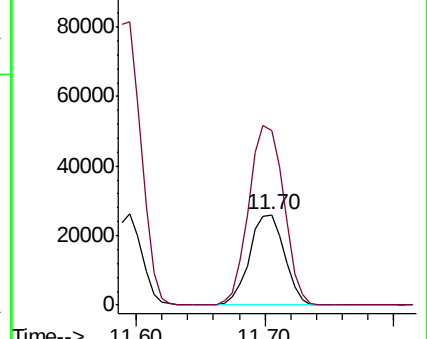
106 100

91 192.6 138.8 257.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#54

o-Xylene

Concen: 4.719 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY000531.D

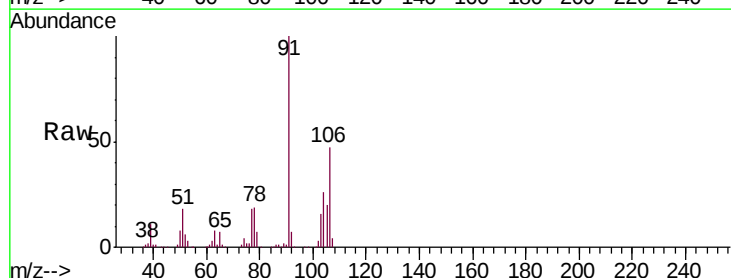
Acq: 05 Nov 2019 10:07

Tgt Ion:106 Resp: 47027

Ion Ratio Lower Upper

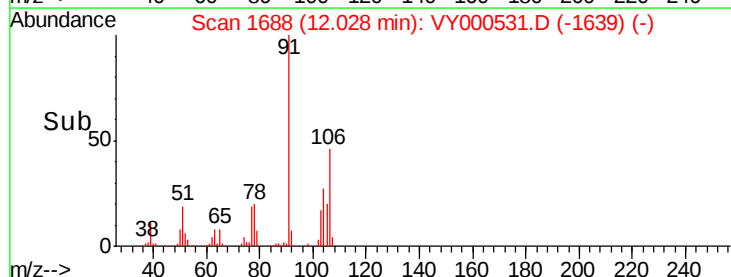
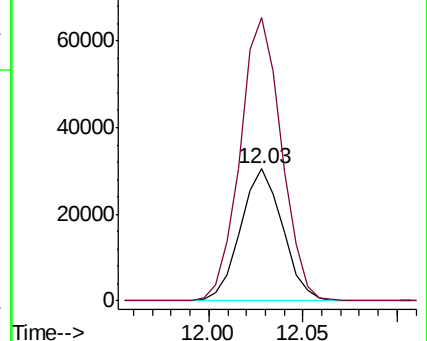
106 100

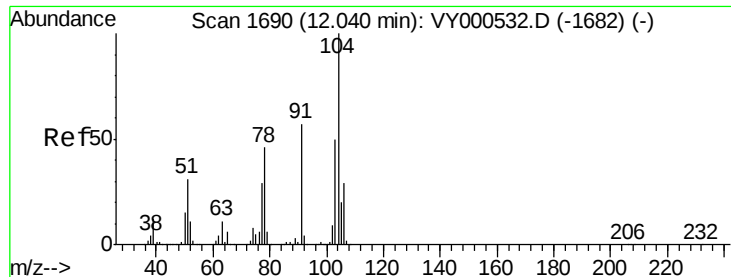
91 214.6 143.6 266.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#55

Styrene

Concen: 4.747 ug/L

RT: 12.05 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

Instrument :

MSVOA_Y

ClientSampled :

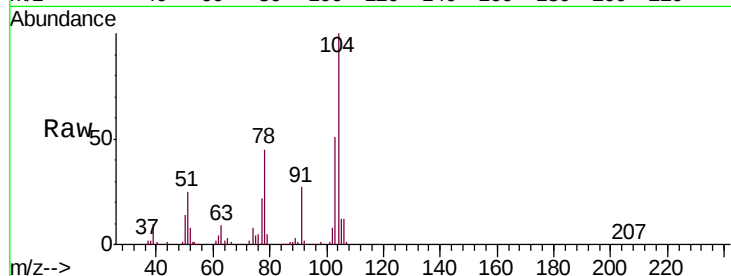
VSTD005781

Tgt Ion:104 Resp: 80002

Ion Ratio Lower Upper

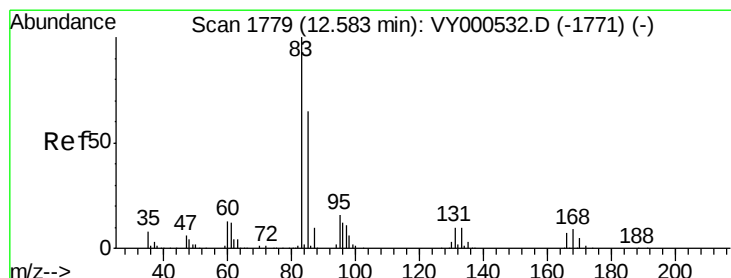
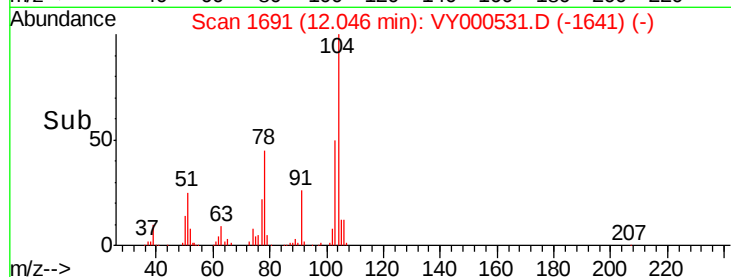
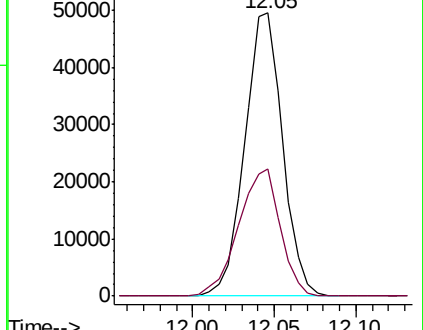
104 100

78 44.7 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): VY000531.D (-1641) (-)

Ion 78.00 (77.70 to 78.70): VY000531.D (-1641) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 4.728 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

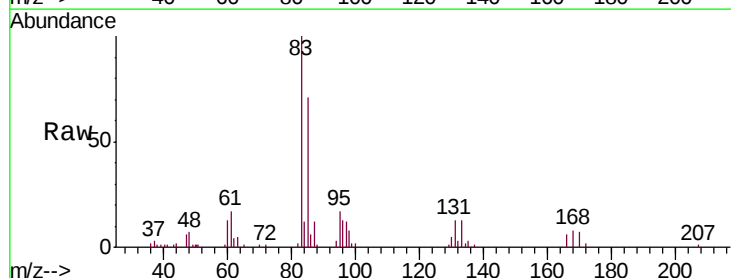
Tgt Ion: 83 Resp: 30506

Ion Ratio Lower Upper

83 100

85 71.2 45.4 84.2

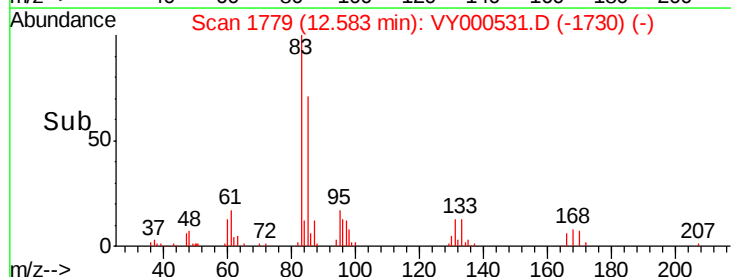
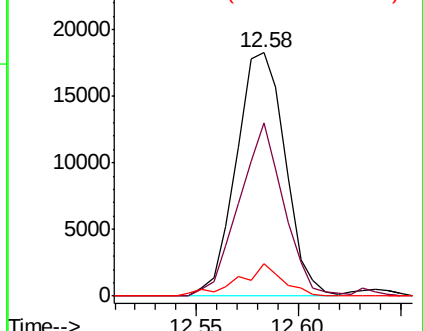
131 13.2 7.9 11.9#

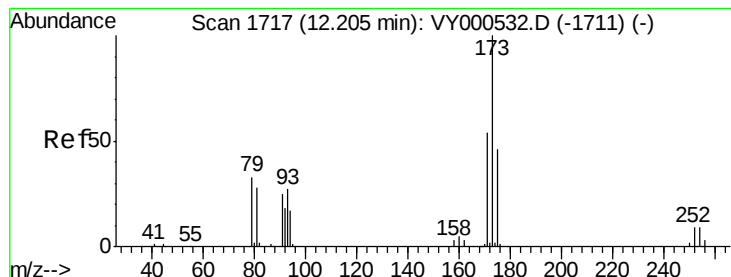


Abundance Ion 83.00 (82.70 to 83.70): VY000531.D (-1730) (-)

Ion 85.00 (84.70 to 85.70): VY000531.D (-1730) (-)

Ion 131.00 (130.70 to 131.70): VY000531.D (-1730) (-)





#59

Bromoform

Concen: 4.649 ug/L

RT: 12.21 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005781

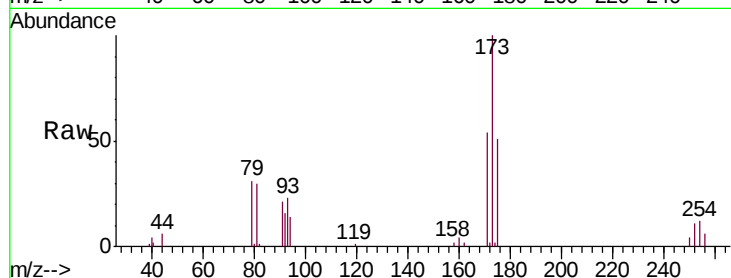
Tgt Ion:173 Resp: 15937

Ion Ratio Lower Upper

173 100

175 47.8 38.2 57.2

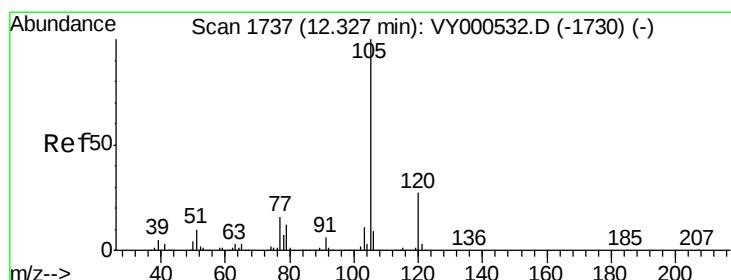
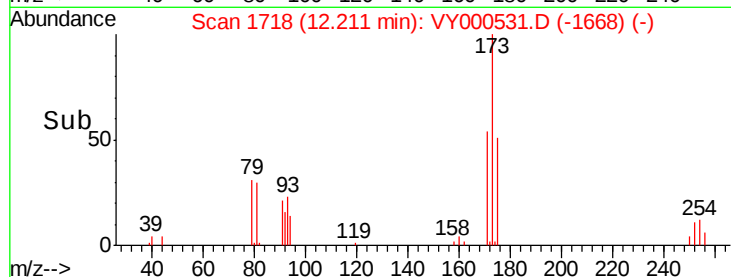
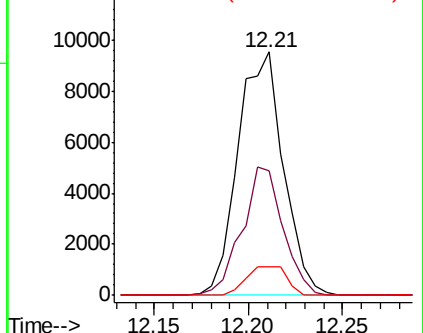
254 10.5 7.8 11.8



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 4.887 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000531.D

Acq: 05 Nov 2019 10:07

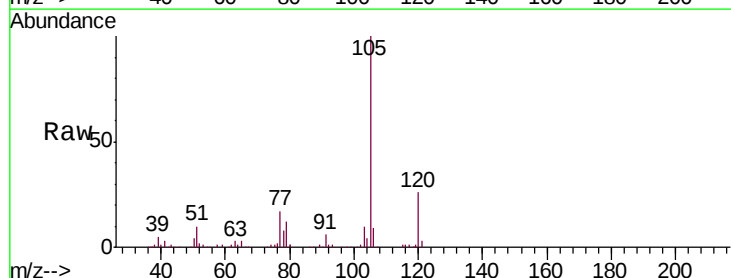
Tgt Ion:105 Resp: 125776

Ion Ratio Lower Upper

105 100

120 26.6 21.8 32.8

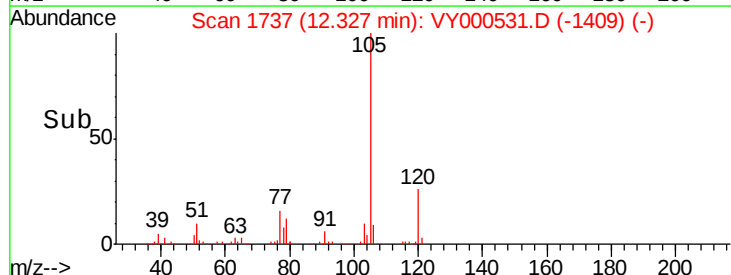
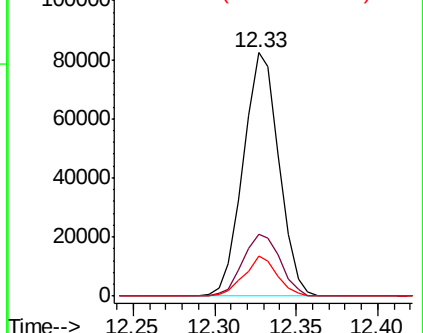
77 15.2 12.6 19.0

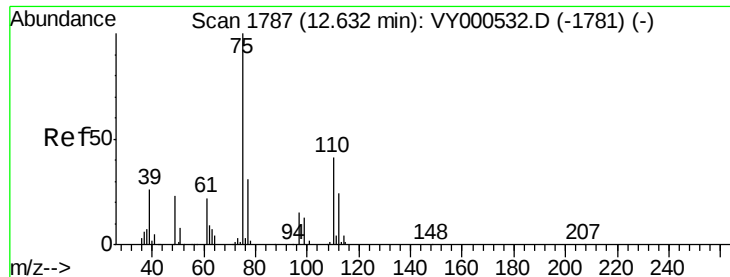


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VY0

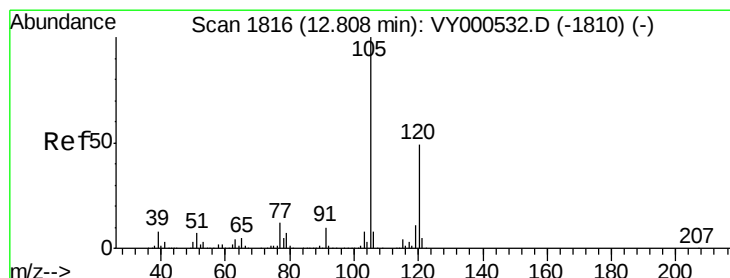
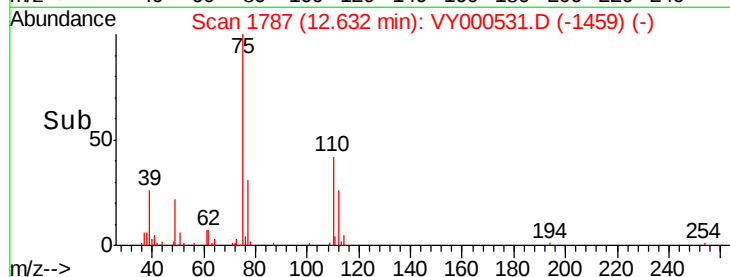
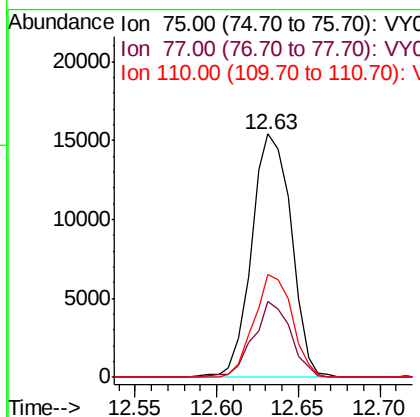
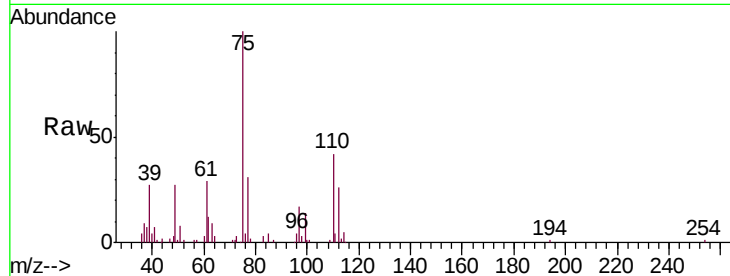




#61
 1,2,3-Trichloropropane
 Concen: 5.078 ug/L
 RT: 12.63 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: VY000531.D
 Acq: 05 Nov 2019 10:07

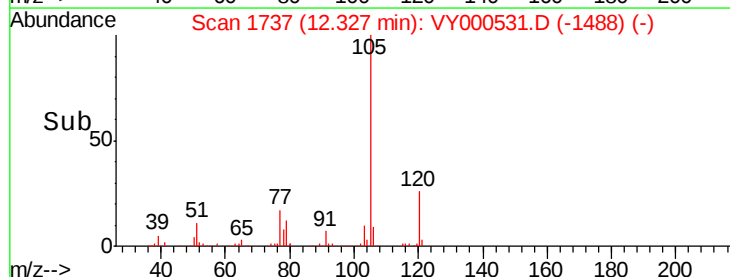
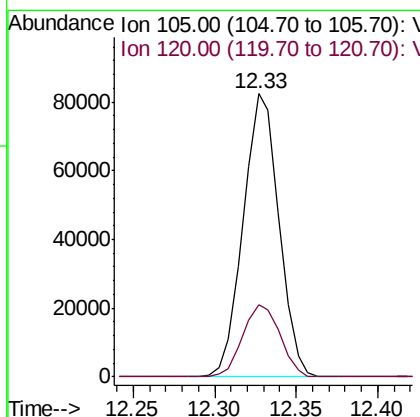
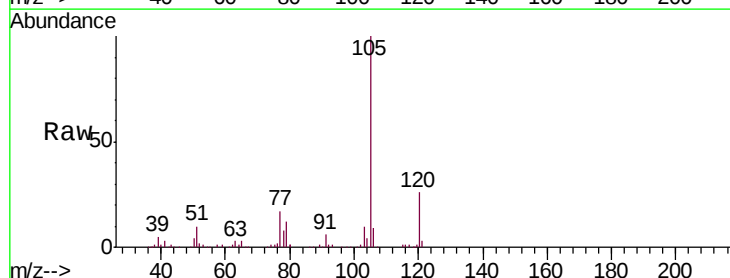
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005781

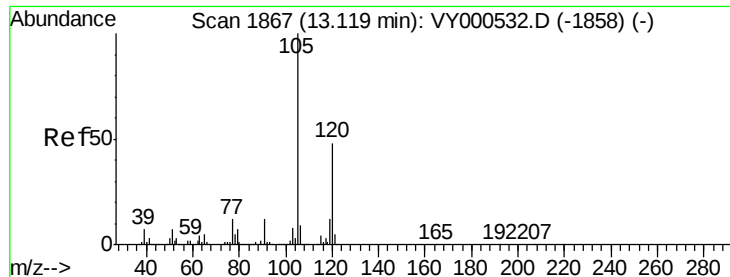
Tgt Ion: 75 Resp: 25990
 Ion Ratio Lower Upper
 75 100
 77 29.5 25.4 38.0
 110 40.8 33.0 49.4



#62
 1,3,5-Trimethylbenzene
 Concen: 5.050 ug/L
 RT: 12.33 min Scan# 1737
 Delta R.T. -0.48 min
 Lab File: VY000531.D
 Acq: 05 Nov 2019 10:07

Tgt Ion: 105 Resp: 125776
 Ion Ratio Lower Upper
 105 100
 120 26.6 25.9 38.9

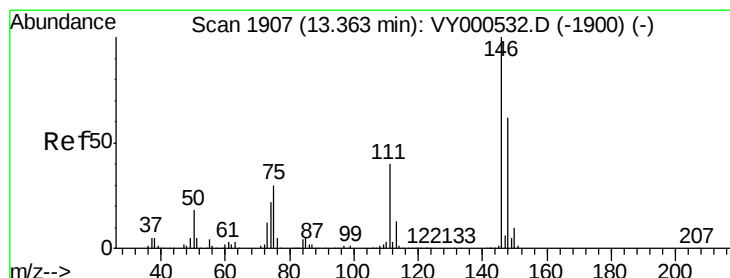
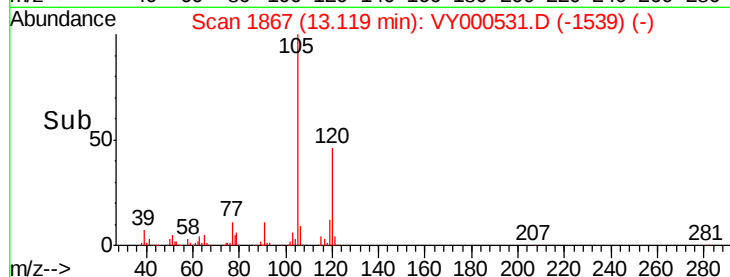
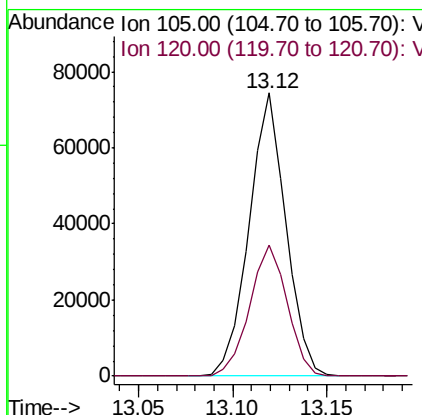
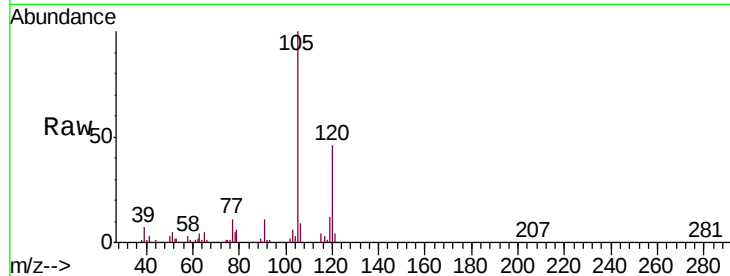




#63
 1,2,4-Trimethylbenzene
 Concen: 4.797 ug/L
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY000531.D
 Acq: 05 Nov 2019 10:07

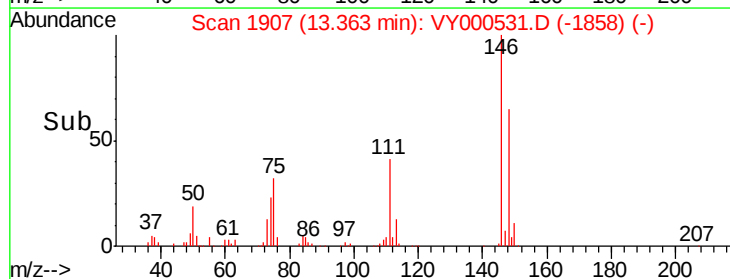
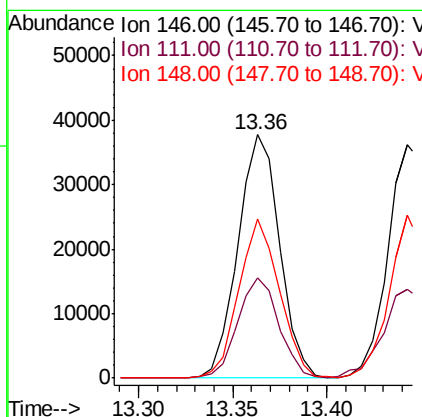
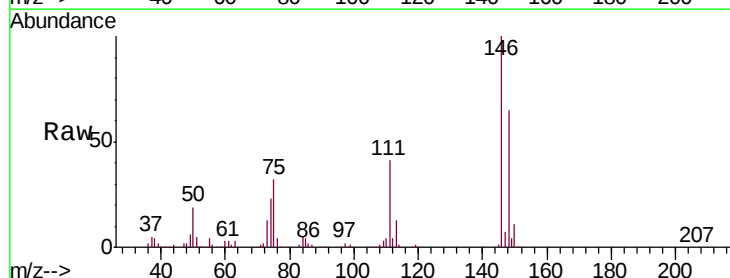
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005781

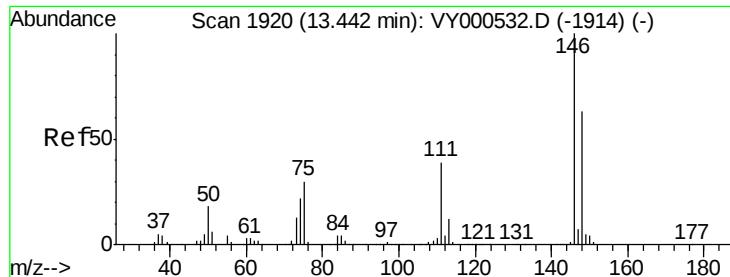
Tgt Ion:105 Resp: 100795
 Ion Ratio Lower Upper
 105 100
 120 47.2 40.3 60.5



#64
 1,3-Dichlorobenzene
 Concen: 5.029 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000531.D
 Acq: 05 Nov 2019 10:07

Tgt Ion:146 Resp: 58018
 Ion Ratio Lower Upper
 146 100
 111 41.0 27.9 51.7
 148 65.4 43.5 80.7

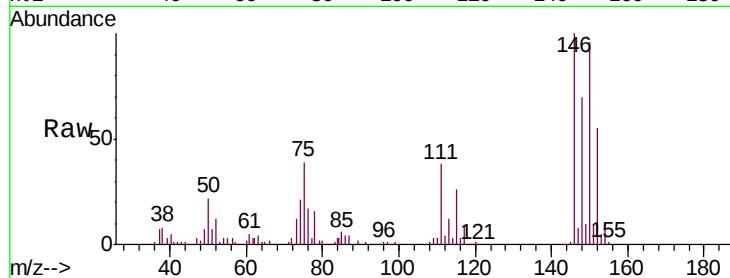




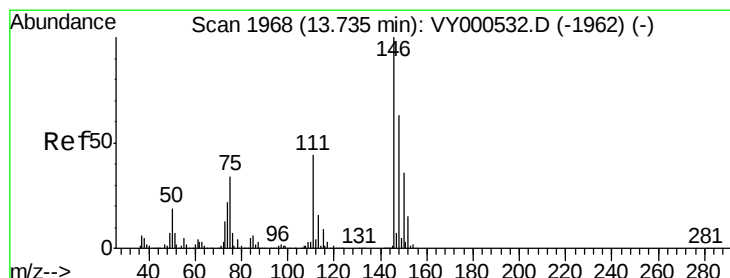
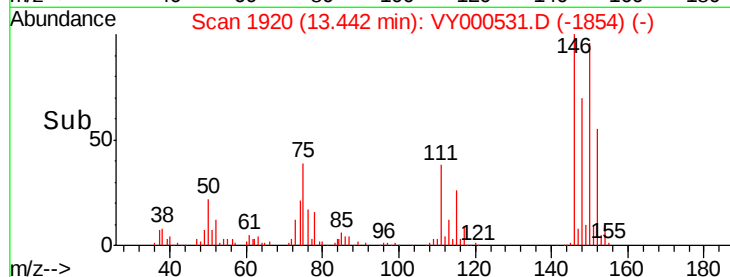
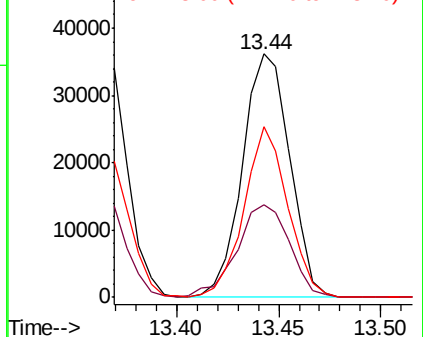
#65
 1,4-Dichlorobenzene
 Concen: 5.029 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000531.D
 Acq: 05 Nov 2019 10:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005781

Tgt Ion:146 Resp: 58382
 Ion Ratio Lower Upper
 146 100
 111 38.1 27.4 50.8
 148 69.9 44.4 82.5

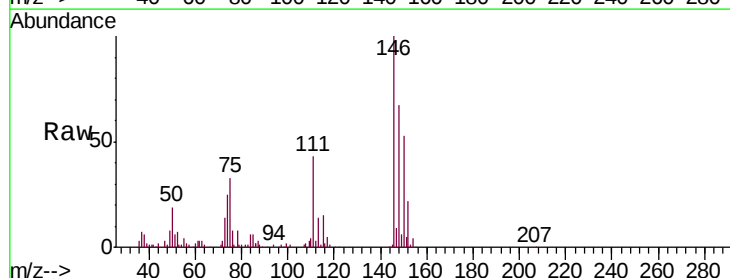


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

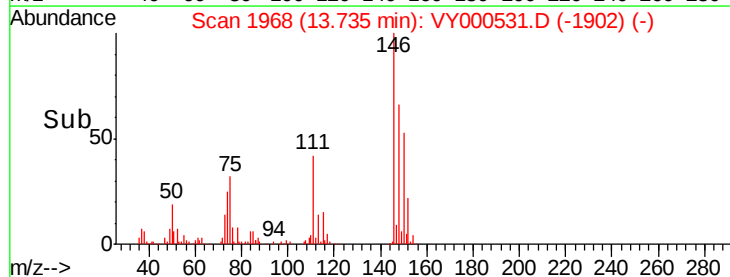
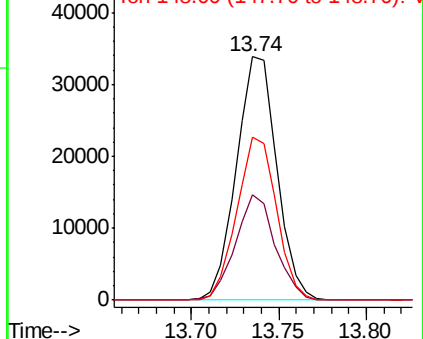


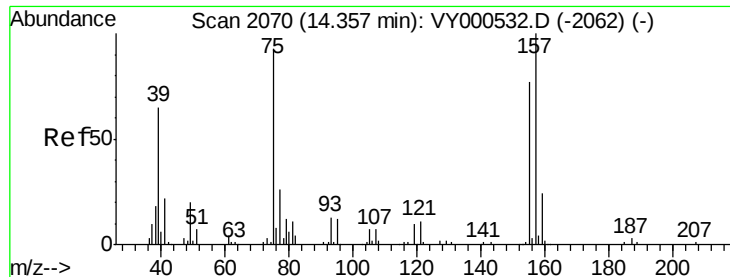
#67
 1,2-Dichlorobenzene
 Concen: 5.034 ug/L
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY000531.D
 Acq: 05 Nov 2019 10:07

Tgt Ion:146 Resp: 54390
 Ion Ratio Lower Upper
 146 100
 111 43.1 35.6 53.4
 148 67.0 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

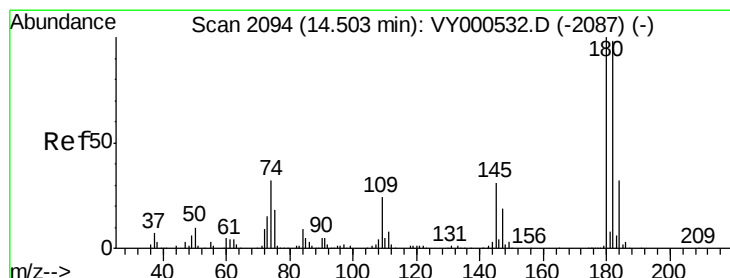
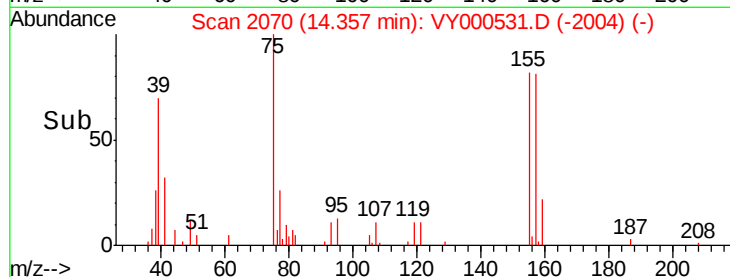
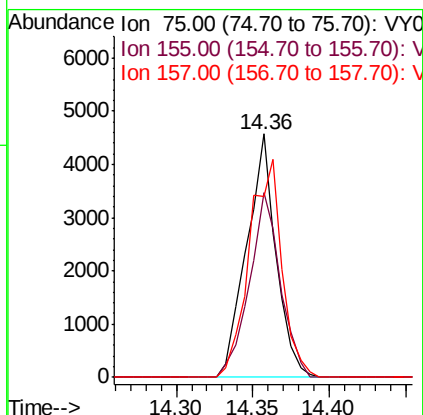
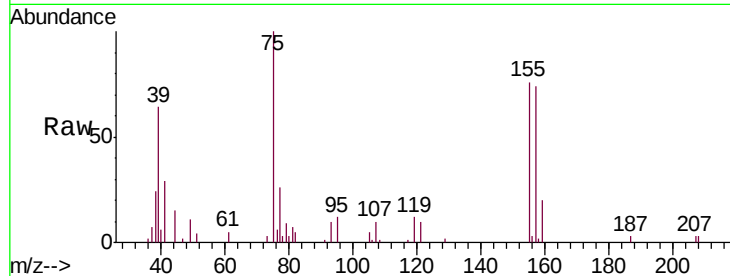




#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.143 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000531.D
 Acq: 05 Nov 2019 10:07

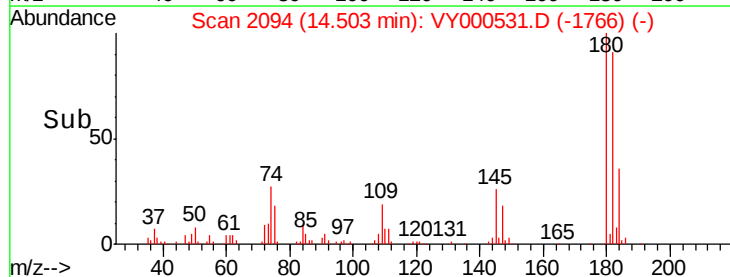
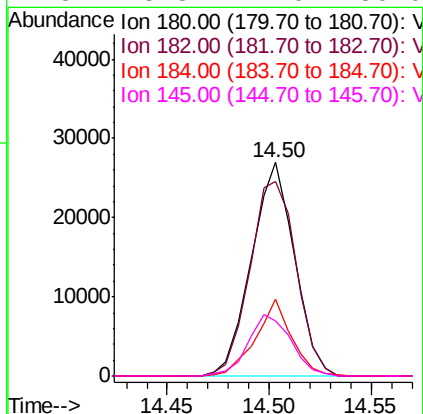
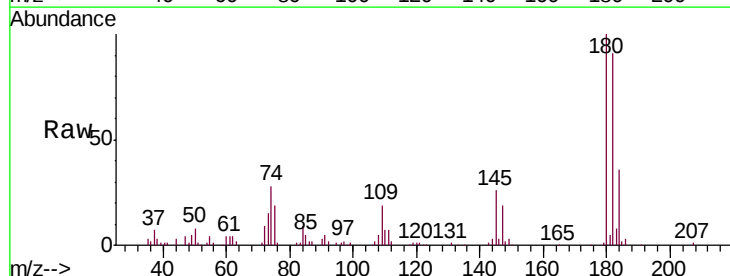
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005781

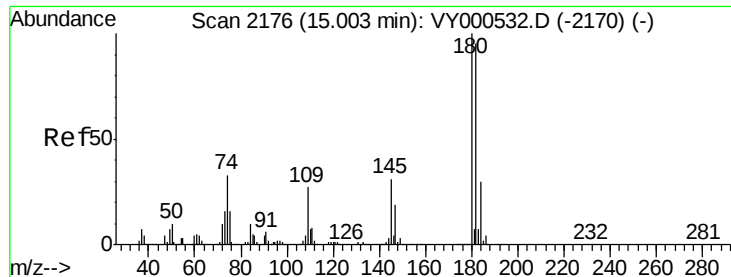
Tgt Ion: 75 Resp: 6094
 Ion Ratio Lower Upper
 75 100
 155 75.6 66.3 99.5
 157 74.3 86.4 129.6#



#69
 1,3,5-Trichlorobenzene
 Concen: 4.970 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY000531.D
 Acq: 05 Nov 2019 10:07

Tgt Ion: 180 Resp: 39579
 Ion Ratio Lower Upper
 180 100
 182 98.2 76.1 114.1
 184 30.4 24.5 36.7
 145 28.8 24.0 36.0

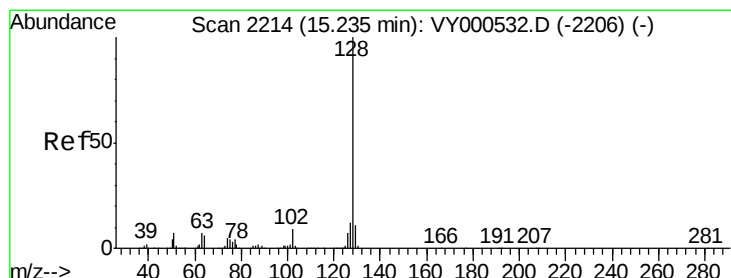
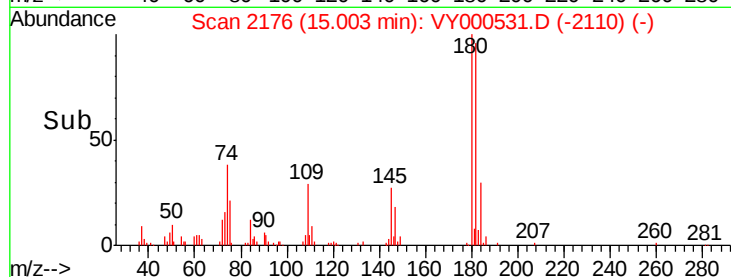
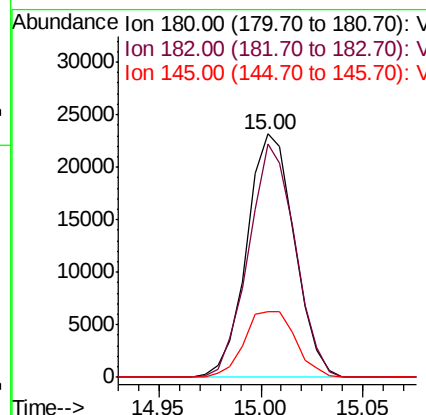
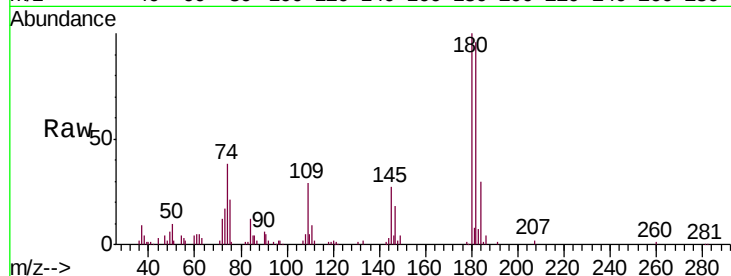




#70
1,2,4-trichlorobenzene
Concen: 5.170 ug/L
RT: 15.00 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VY000531.D
Acq: 05 Nov 2019 10:07

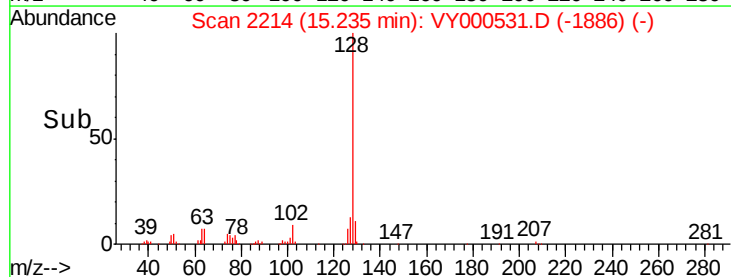
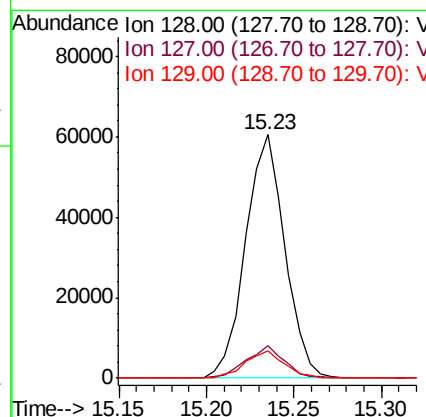
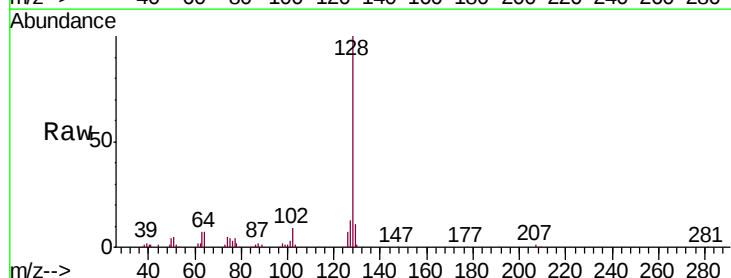
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005781

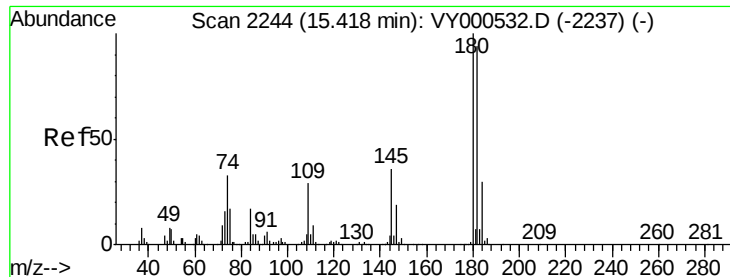
Tgt Ion:180 Resp: 37495
Ion Ratio Lower Upper
180 100
182 94.2 74.6 112.0
145 29.1 24.9 37.3



#71
Naphthalene
Concen: 5.003 ug/L
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000531.D
Acq: 05 Nov 2019 10:07

Tgt Ion:128 Resp: 94794
Ion Ratio Lower Upper
128 100
127 12.8 9.9 14.9
129 11.1 8.8 13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 5.145 ug/L
 RT: 15.42 min Scan# 2245
 Delta R.T. 0.01 min
 Lab File: VY000531.D
 Acq: 05 Nov 2019 10:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005781

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	75.0	112.4
145	31.0	26.5	39.7

