

Data File : VY001259.D
Acq On : 16 Jan 2020 12:17
Operator : SY/MD
Sample : VSTD2.577
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5774

Quant Time: Jan 17 01:53:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL011620SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 17 01:48:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	319541	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	290682	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	135697	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	11002	2.33	ug/L	0.00
7) Chloroethane-d5	2.76	69	8115	1.95	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	18365	2.20	ug/L	0.00
21) 2-Butanone-d5	6.91	46	7536	3.48	ug/L	0.00
24) Chloroform-d	7.49	84	14370	1.75	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	8355	1.70	ug/L	0.00
32) Benzene-d6	8.12	84	31197	1.84	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.13	67	9407	1.82	ug/L	0.00
41) Toluene-d8	10.18	98	29041	1.85	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.44	79	4914	1.90	ug/L	0.00
47) 2-Hexanone-d5	10.78	63	6446	3.86	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	10257	1.83	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	11088	2.08	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	13863	3.058 ug/L	99
3) Chloromethane	2.12	50	15069	2.631 ug/L	99
5) Vinyl chloride	2.26	62	15302	2.818 ug/L	98
6) Bromomethane	2.65	94	9123	3.480 ug/L	98
8) Chloroethane	2.80	64	8923	2.709 ug/L	97
9) Trichlorofluoromethane	3.13	101	18328	2.469 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	11316	2.604 ug/L	98
12) 1,1-Dichloroethene	3.88	96	11255	2.693 ug/L	85
13) Acetone	3.96	43	14520	6.702 ug/L	95
14) Carbon disulfide	4.20	76	36710	2.753 ug/L	97
15) Methyl Acetate	4.49	43	9750	2.726 ug/L	99
16) Methylene chloride	4.72	84	18568	3.647 ug/L	99
17) trans-1,2-Dichloroethene	5.22	96	12343	2.666 ug/L	88
18) Methyl tert-butyl Ether	5.22	73	33836	2.572 ug/L	90
19) 1,1-Dichloroethane	6.03	63	20840	2.576 ug/L	98
20) cis-1,2-Dichloroethene	7.00	96	13441	2.601 ug/L	96
22) 2-Butanone	7.00	43	16785	5.391 ug/L	97
23) Bromochloromethane	7.35	128	6101	2.625 ug/L	96
25) Chloroform	7.52	83	20789	2.503 ug/L	96
27) 1,2-Dichloroethane	8.25	62	14809	2.508 ug/L	99
29) Cyclohexane	7.80	56	22075	2.792 ug/L	98
30) 1,1,1-Trichloroethane	7.71	97	17302	2.526 ug/L	98
31) Carbon tetrachloride	7.91	117	14795	2.352 ug/L	97
33) Benzene	8.17	78	48346	2.564 ug/L	100
34) Trichloroethene	8.94	95	12696	2.567 ug/L	93
35) Methylcyclohexane	9.18	83	23806	2.783 ug/L	98
37) 1,2-Dichloropropane	9.22	63	12415	2.582 ug/L	98
38) Bromodichloromethane	9.50	83	15569	2.565 ug/L	93
39) cis-1,3-Dichloropropene	9.93	75	20374	2.641 ug/L	96
40) 4-Methyl-2-pentanone	10.07	43	28484	5.383 ug/L	98

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.24	91	53003	2.632	ug/L	97
44) trans-1,3-Dichloropropene	10.47	75	17253	2.543	ug/L	97
45) 1,1,2-Trichloroethane	10.64	97	10971	2.702	ug/L	94
46) Tetrachloroethene	10.72	164	10063	2.649	ug/L	97
48) 2-Hexanone	10.83	43	20826	4.993	ug/L	99
49) Dibromochloromethane	10.99	129	10755	2.364	ug/L	97
50) 1,2-Dibromoethane	11.08	107	11178	2.708	ug/L #	91
51) Chlorobenzene	11.52	112	34852	2.711	ug/L	96
52) Ethylbenzene	11.59	91	59455	2.593	ug/L	100
53) m,p-Xylene	11.70	106	23972	2.730	ug/L	96
54) o-Xylene	12.03	106	22715	2.675	ug/L	99
55) Styrene	12.04	104	38183	2.634	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.58	83	14900	2.677	ug/L #	92
59) Bromoform	12.20	173	7537	2.649	ug/L	98
60) Isopropylbenzene	12.33	105	57694	2.691	ug/L	98
61) 1,2,3-Trichloropropane	12.63	75	11819	2.783	ug/L	97
62) 1,3,5-Trimethylbenzene	12.81	105	48456	2.768	ug/L #	60
63) 1,2,4-Trimethylbenzene	13.12	105	48929	2.837	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	27494	2.875	ug/L	97
65) 1,4-Dichlorobenzene	13.44	146	27584	2.862	ug/L	96
67) 1,2-Dichlorobenzene	13.74	146	26121	2.921	ug/L	93
68) 1,2-Dibromo-3-chloropropan	14.36	75	3068	3.067	ug/L	90
69) 1,3,5-Trichlorobenzene	14.50	180	19498	2.971	ug/L	97
70) 1,2,4-trichlorobenzene	15.00	180	18345	3.070	ug/L	97
71) Naphthalene	15.23	128	51217	3.258	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	17477	3.164	ug/L	99

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

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Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5774

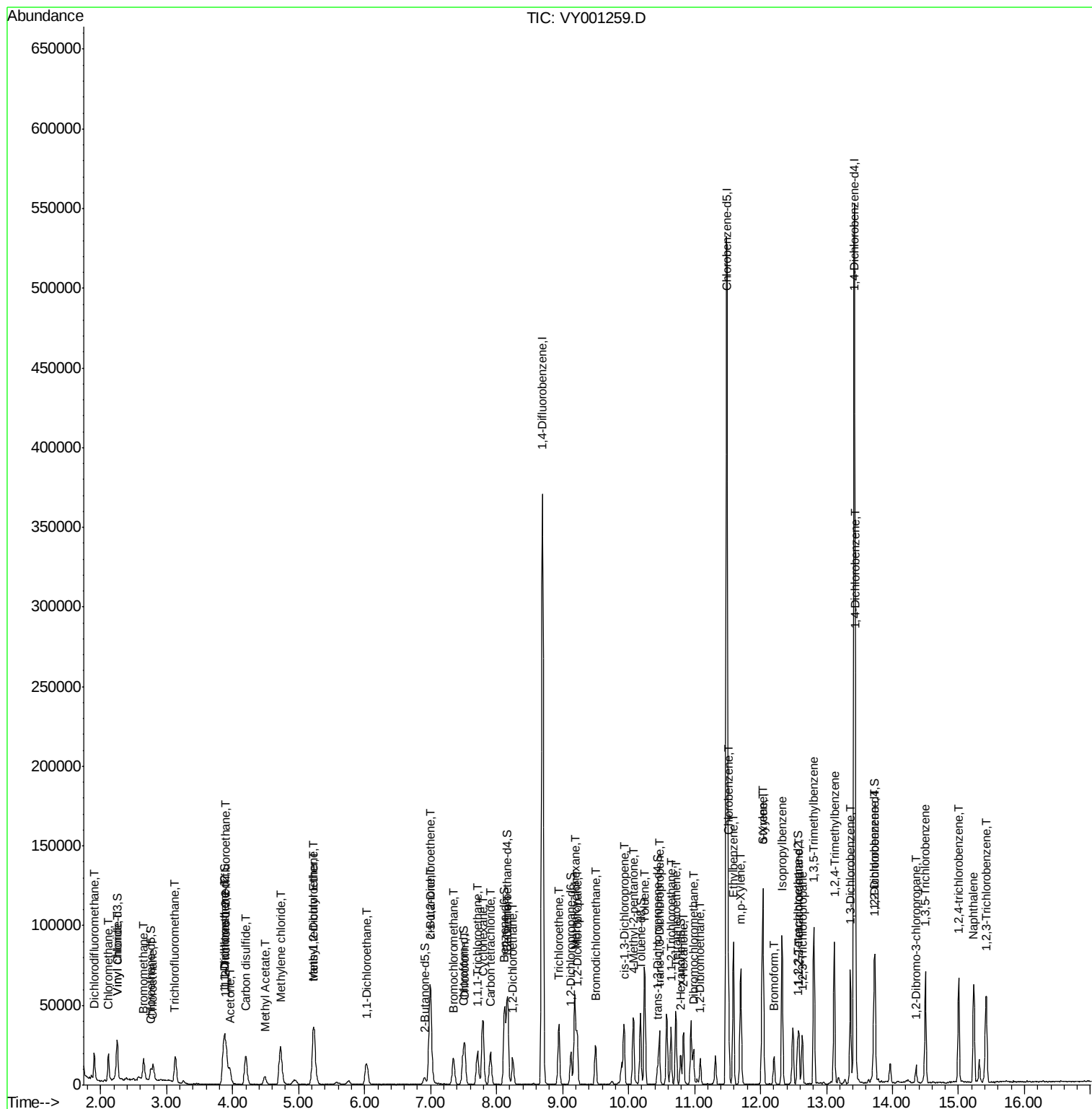
Quant Time: Jan 17 01:53:09 2020

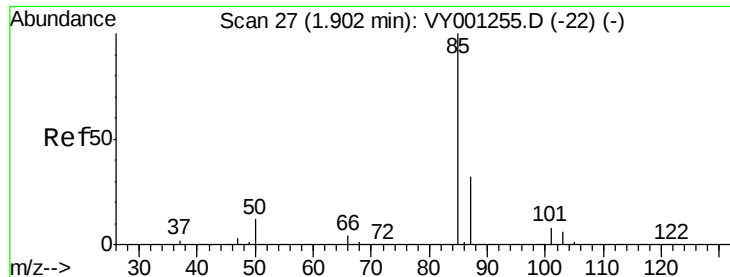
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMILYM011620SMA.M

Quant Title : VOC Analysis

QLast Update : Fri Jan 17 01:48:20 2020

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#2

Dichlorodifluoromethane

Concen: 3.058 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001259.D

Acq: 16 Jan 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

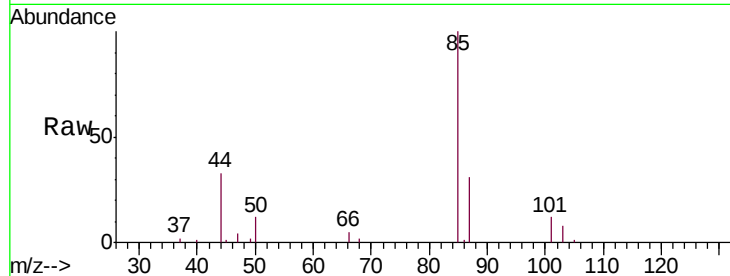
VSTD2.5774

Tgt Ion: 85 Resp: 13863

Ion Ratio Lower Upper

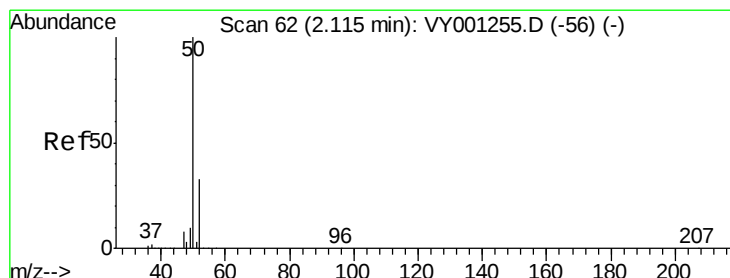
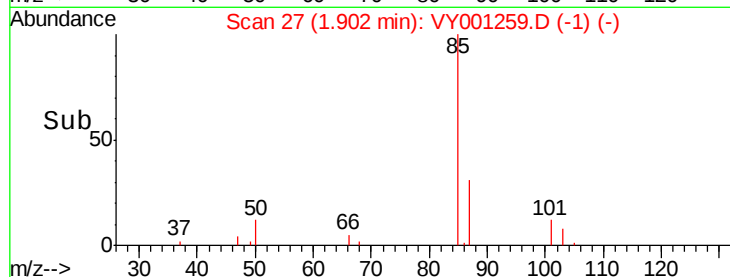
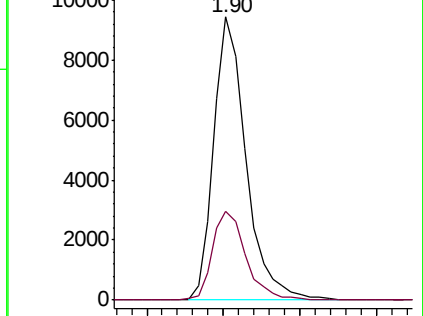
85 100

87 32.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VY001255.D (-22) (-)

Ion 87.00 (86.70 to 87.70): VY001255.D (-22) (-)



#3

Chloromethane

Concen: 2.631 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY001259.D

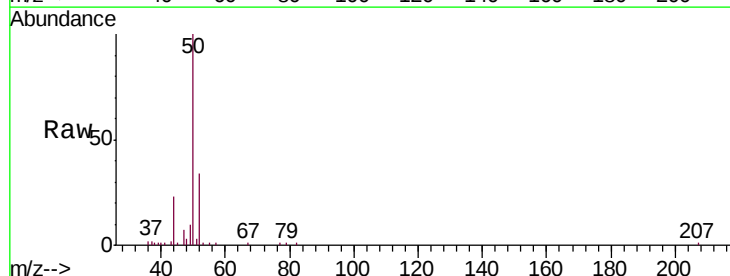
Acq: 16 Jan 2020 12:17

Tgt Ion: 50 Resp: 15069

Ion Ratio Lower Upper

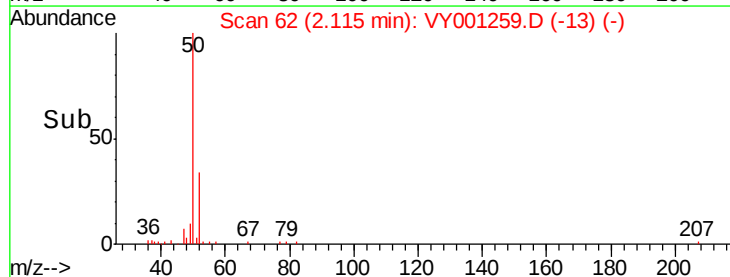
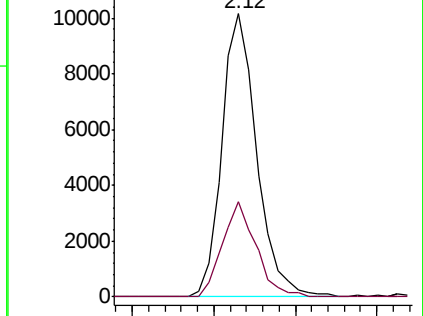
50 100

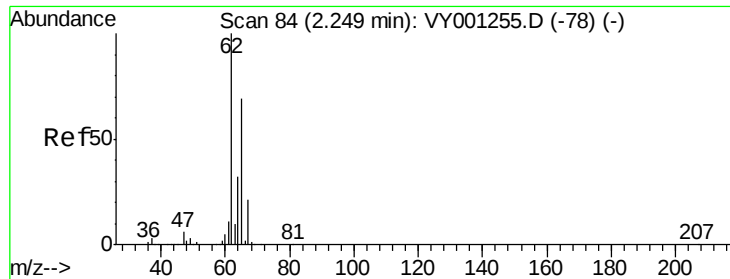
52 33.8 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VY001255.D (-56) (-)

Ion 52.00 (51.70 to 52.70): VY001255.D (-56) (-)





#5

Vinyl chloride

Concen: 2.818 ug/L

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001259.D

Acq: 16 Jan 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

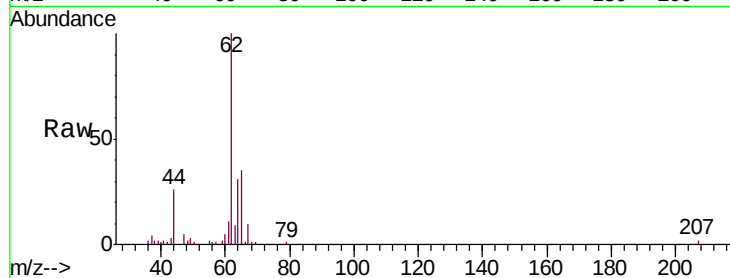
VSTD2.5774

Tgt Ion: 62 Resp: 15302

Ion Ratio Lower Upper

62 100

64 31.3 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0

10000

8000

6000

4000

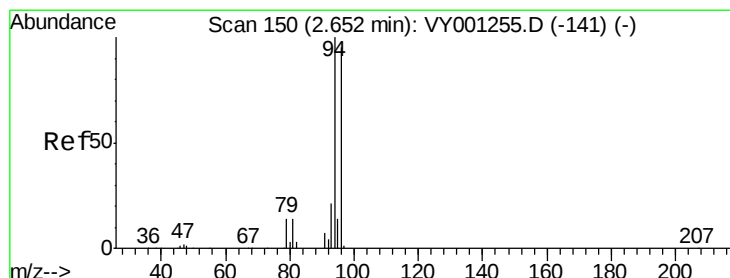
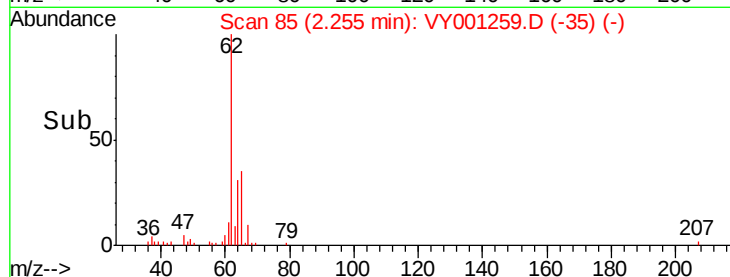
2000

0

Time-->

2.20 2.25 2.30

2.26



#6

Bromomethane

Concen: 3.480 ug/L

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY001259.D

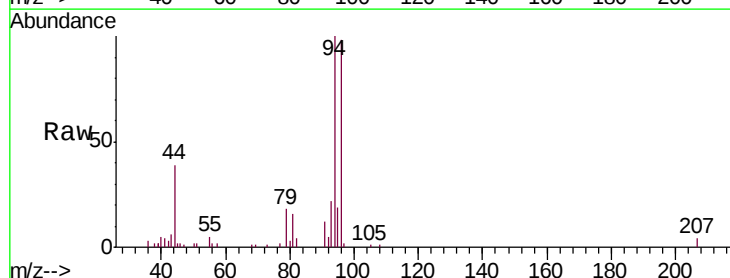
Acq: 16 Jan 2020 12:17

Tgt Ion: 94 Resp: 9123

Ion Ratio Lower Upper

94 100

96 97.8 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

5000

4000

3000

2000

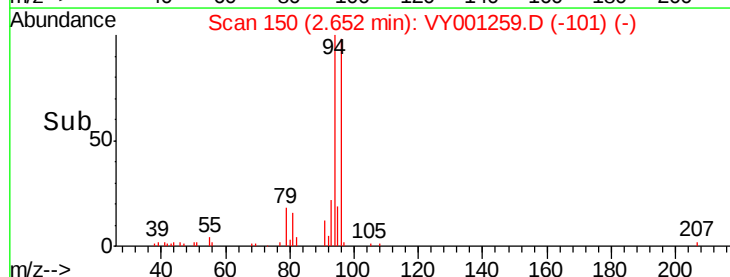
1000

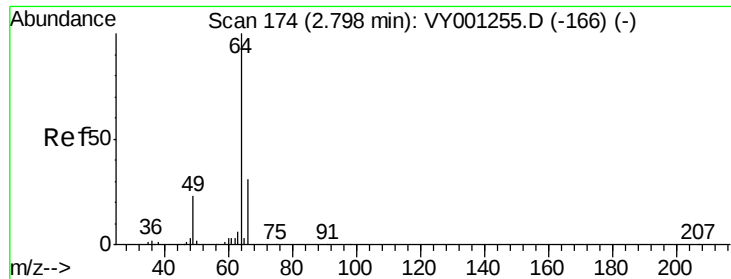
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Time-->

2.55 2.60 2.65 2.70 2.75

2.65

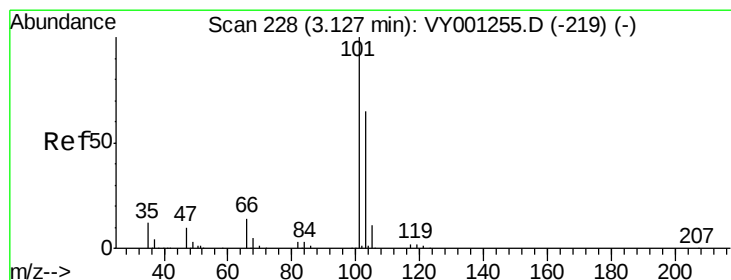
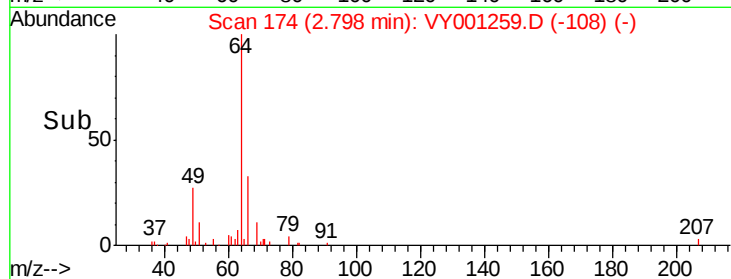
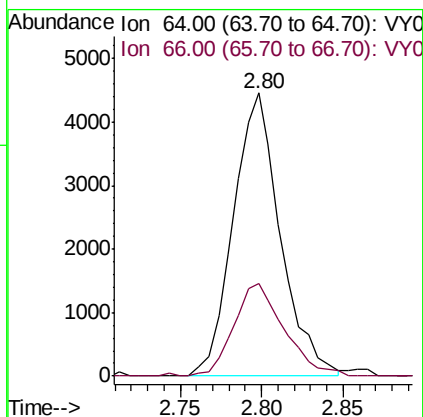
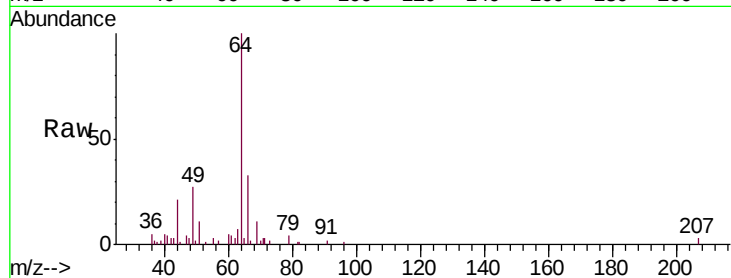




#8
Chloroethane
Concen: 2.709 ug/L
RT: 2.80 min Scan# 174
Delta R.T. 0.00 min
Lab File: VY001259.D
Acq: 16 Jan 2020 12:17

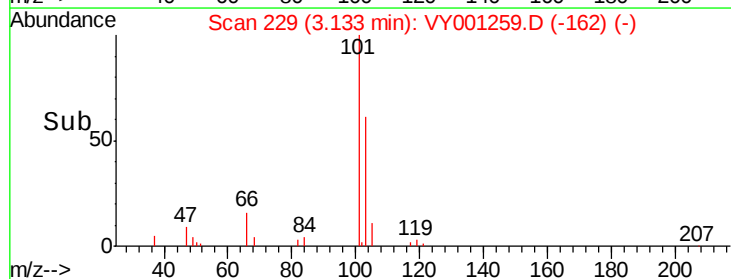
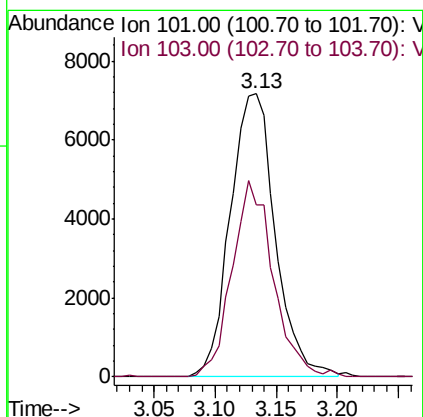
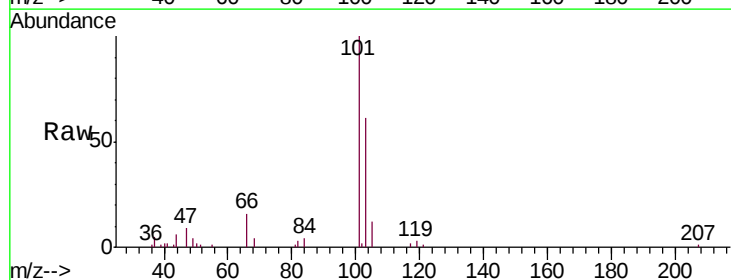
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5774

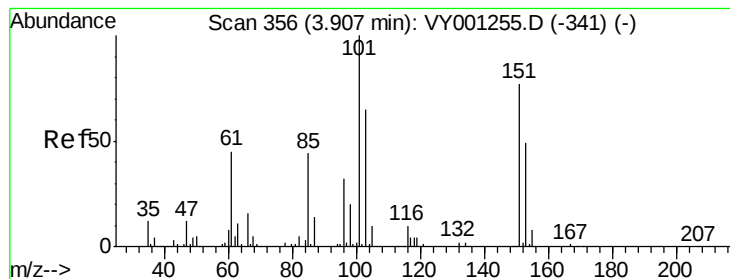
Tgt Ion: 64 Resp: 8923
Ion Ratio Lower Upper
64 100
66 32.8 21.7 40.3



#9
Trichlorofluoromethane
Concen: 2.469 ug/L
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY001259.D
Acq: 16 Jan 2020 12:17

Tgt Ion: 101 Resp: 18328
Ion Ratio Lower Upper
101 100
103 63.0 51.7 77.5





#10

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

Concen: 2.604 ug/L

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY001259.D

Acq: 16 Jan 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5774

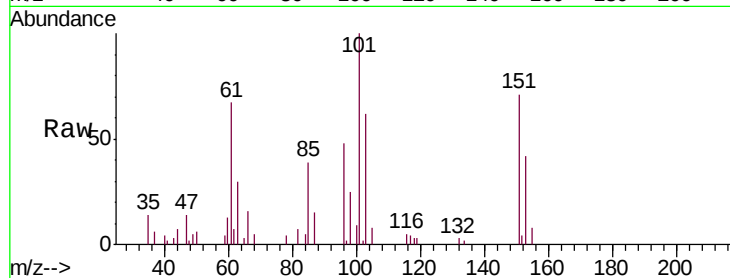
Tgt Ion: 101 Resp: 11316

Ion Ratio Lower Upper

101 100

85 44.1 34.8 52.2

151 78.2 60.7 91.1

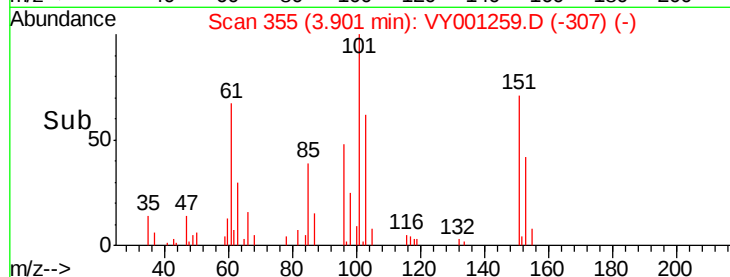


Abundance Ion 101.00 (100.70 to 101.70): VY001255.D (-341) (-)

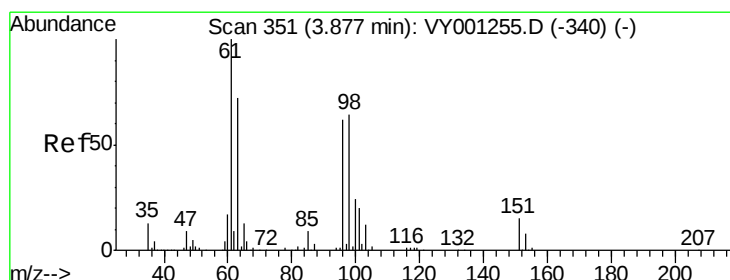
Ion 85.00 (84.70 to 85.70): VY001259.D (-307) (-)

Ion 151.00 (150.70 to 151.70): VY001259.D (-307) (-)

Time-->



Time-->



#12

1,1-Dichloroethene

Concen: 2.693 ug/L

RT: 3.88 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY001259.D

Acq: 16 Jan 2020 12:17

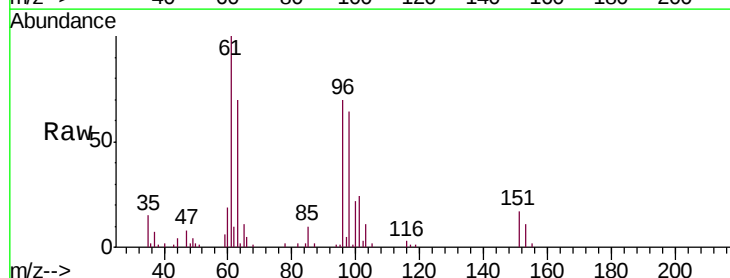
Tgt Ion: 96 Resp: 11255

Ion Ratio Lower Upper

96 100

61 143.8 112.9 209.7

63 101.0 84.6 157.0

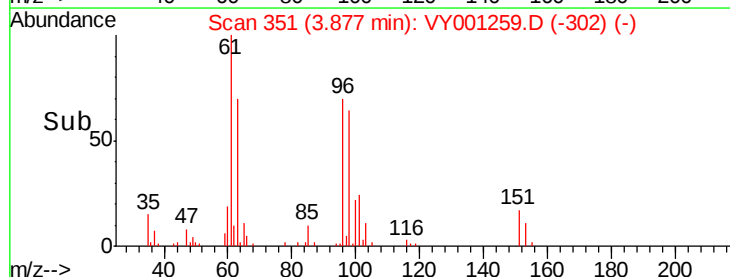


Abundance Ion 96.00 (95.70 to 96.70): VY001255.D (-340) (-)

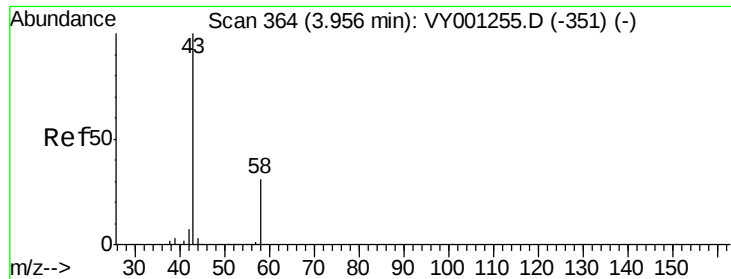
Ion 61.00 (60.70 to 61.70): VY001259.D (-302) (-)

Ion 63.00 (62.70 to 63.70): VY001259.D (-302) (-)

Time-->



Time-->



#13

Acetone

Concen: 6.702 ug/L

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY001259.D

Acq: 16 Jan 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

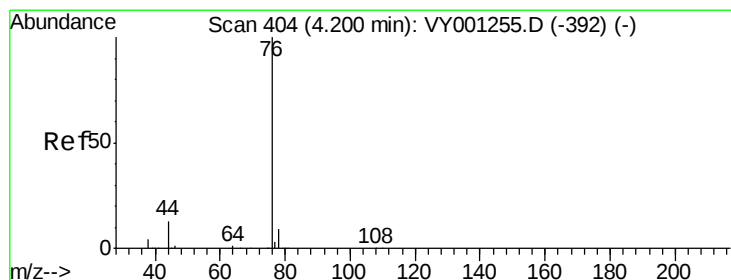
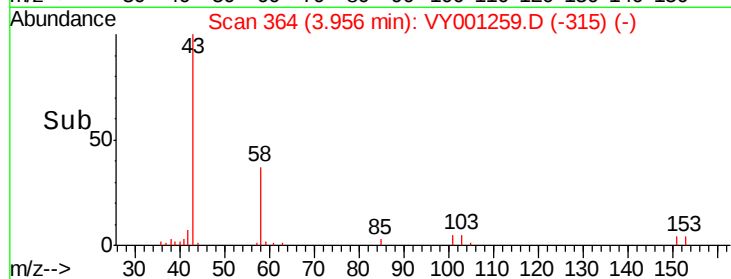
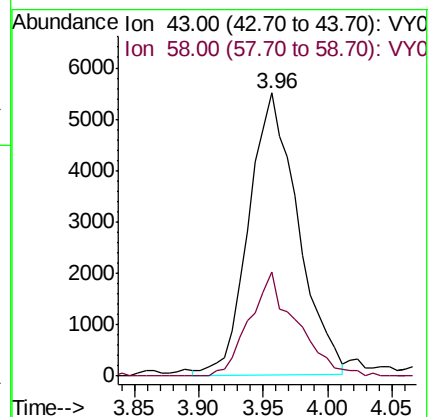
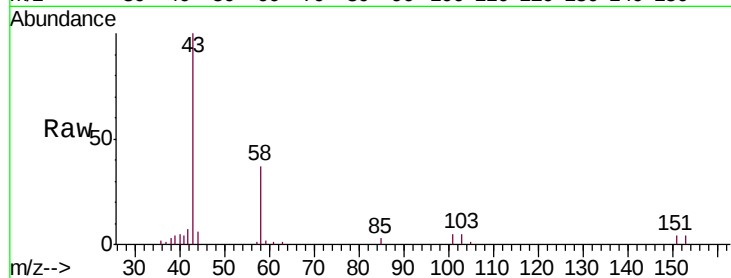
VSTD2.5774

Tgt Ion: 43 Resp: 14520

Ion Ratio Lower Upper

43 100

58 35.0 0.0 64.6



#14

Carbon disulfide

Concen: 2.753 ug/L

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY001259.D

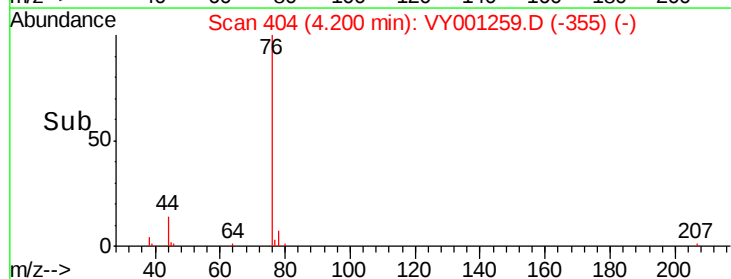
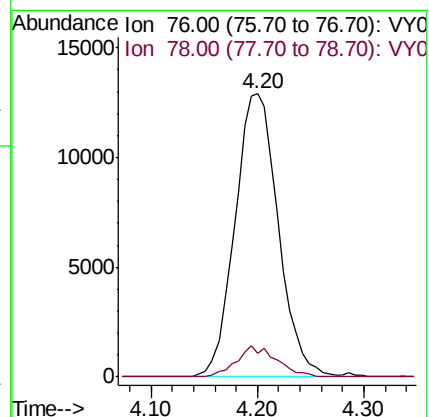
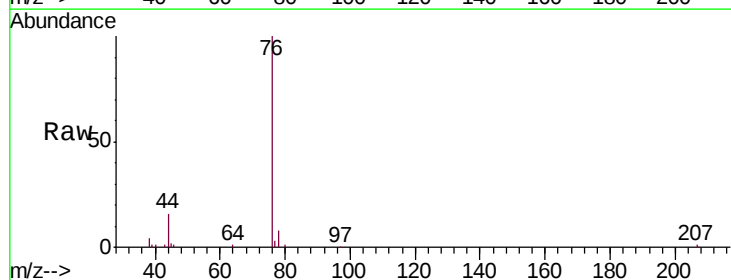
Acq: 16 Jan 2020 12:17

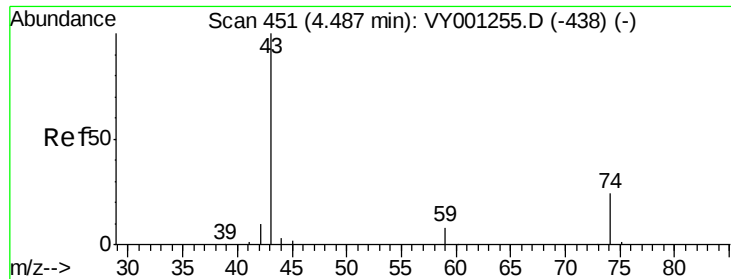
Tgt Ion: 76 Resp: 36710

Ion Ratio Lower Upper

76 100

78 8.2 7.4 11.2

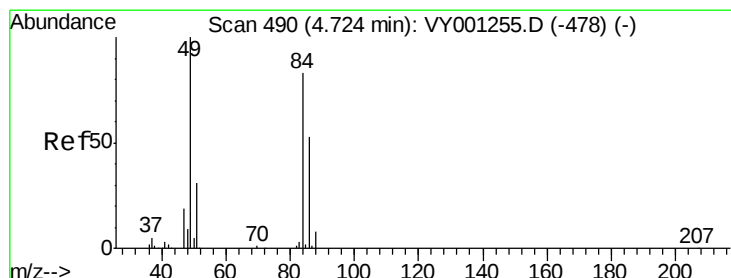
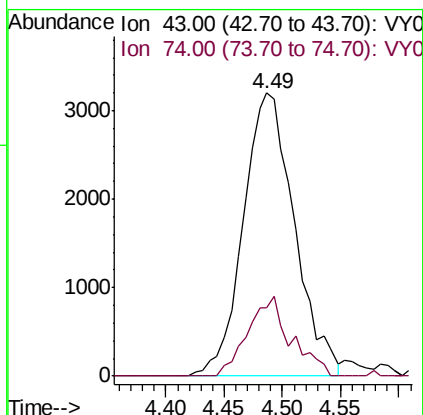
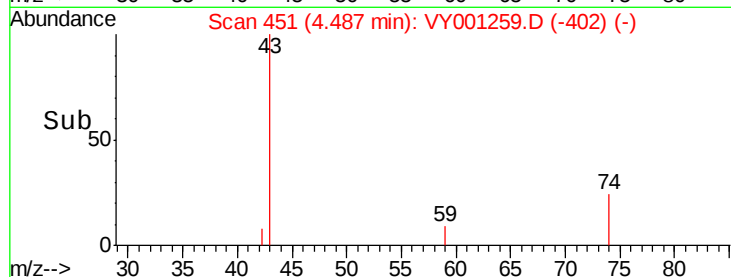
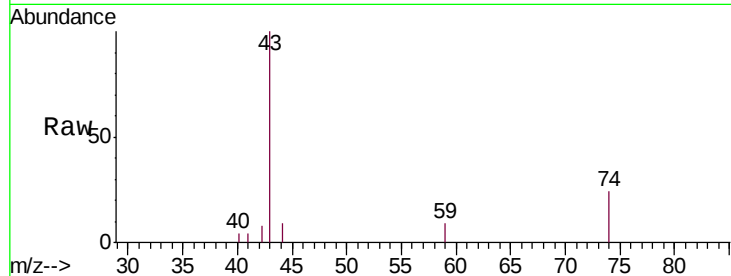




#15
Methyl Acetate
Concen: 2.726 ug/L
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY001259.D
Acq: 16 Jan 2020 12:17

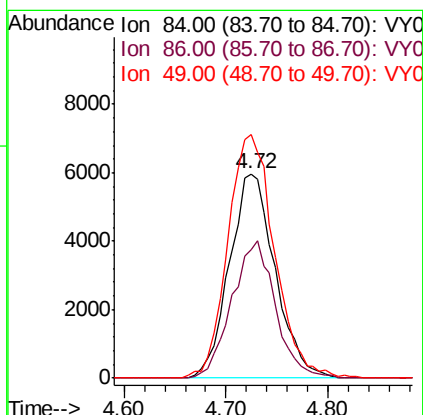
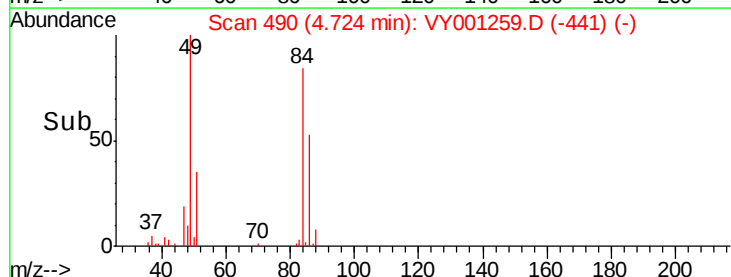
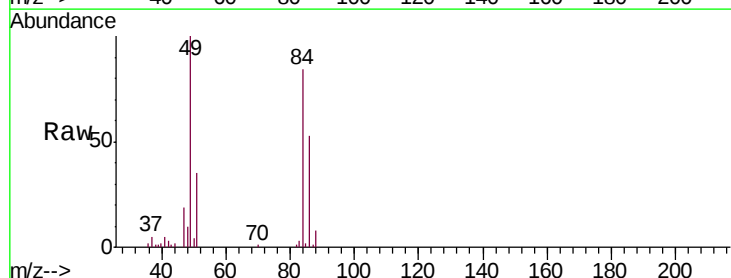
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5774

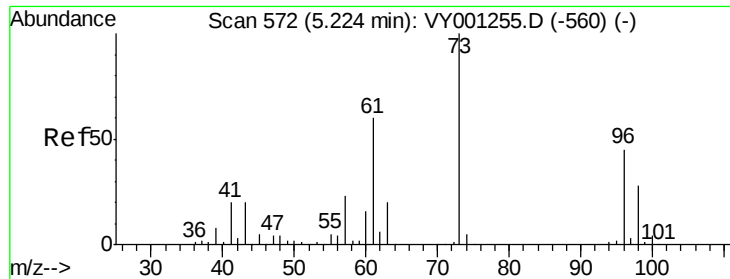
Tgt Ion: 43 Resp: 9750
Ion Ratio Lower Upper
43 100
74 23.7 19.4 29.2



#16
Methylene chloride
Concen: 3.647 ug/L
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY001259.D
Acq: 16 Jan 2020 12:17

Tgt Ion: 84 Resp: 18568
Ion Ratio Lower Upper
84 100
86 62.9 44.6 82.8
49 119.2 84.4 156.7





#17

trans-1,2-Dichloroethene

Concen: 2.666 ug/L

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY001259.D

Acq: 16 Jan 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5774

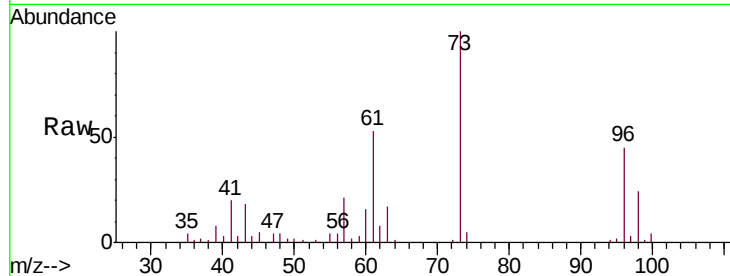
Tgt Ion: 96 Resp: 12343

Ion Ratio Lower Upper

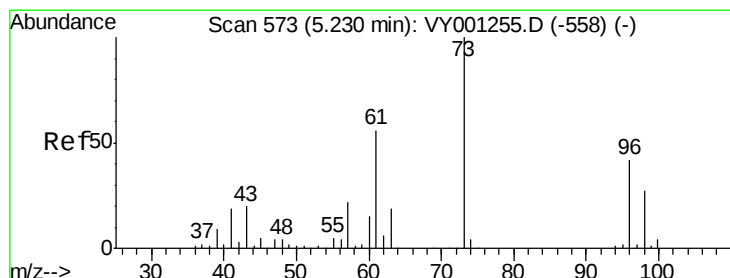
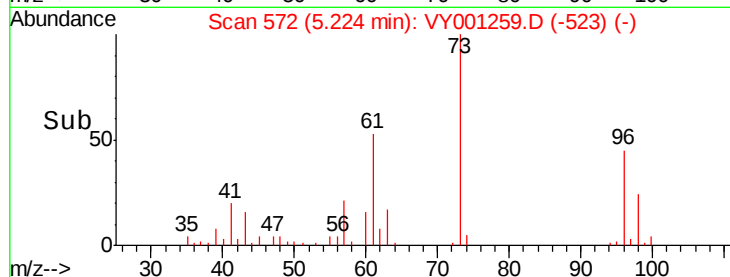
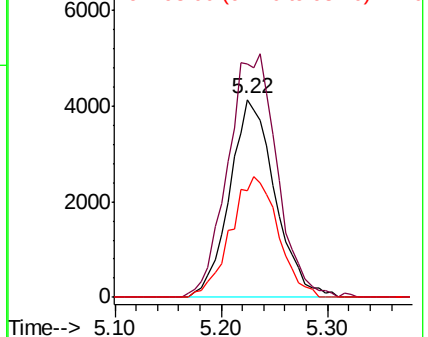
96 100

61 118.0 93.2 173.0

98 53.8 43.1 80.1



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: 2.572 ug/L

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY001259.D

Acq: 16 Jan 2020 12:17

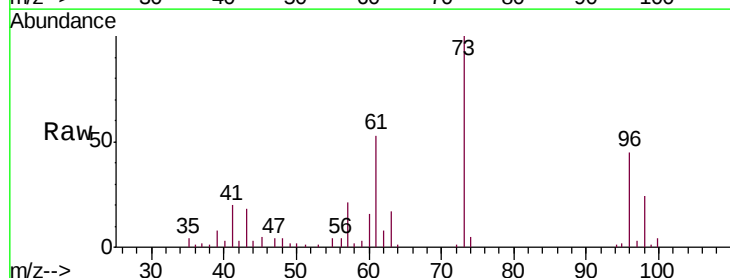
Tgt Ion: 73 Resp: 33836

Ion Ratio Lower Upper

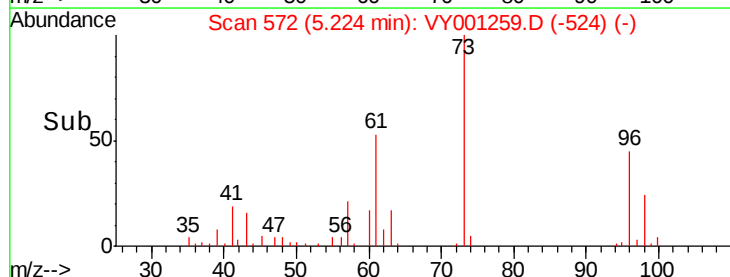
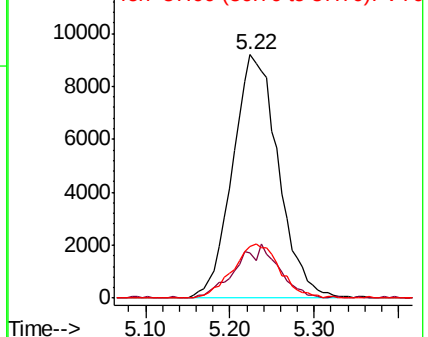
73 100

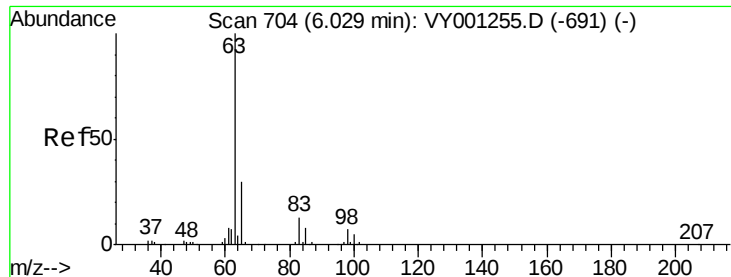
43 10.3 15.8 23.6#

57 22.8 18.0 27.0



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

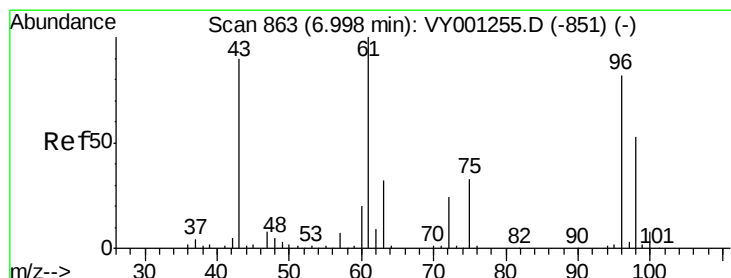
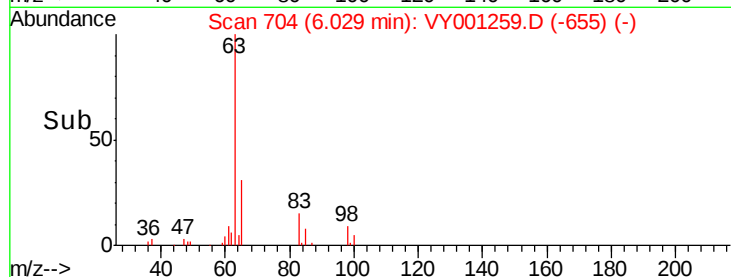
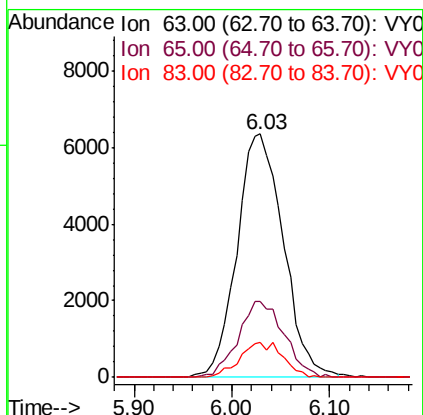
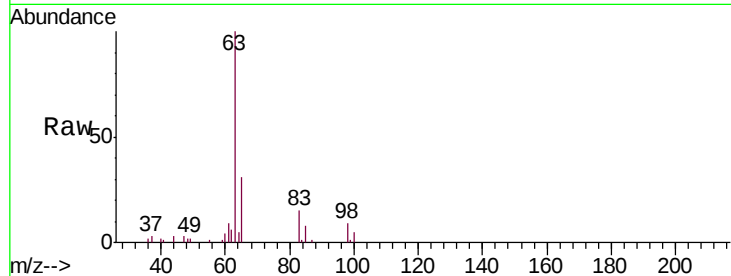




#19
 1,1-Dichloroethane
 Concen: 2.576 ug/L
 RT: 6.03 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VY001259.D
 Acq: 16 Jan 2020 12:17

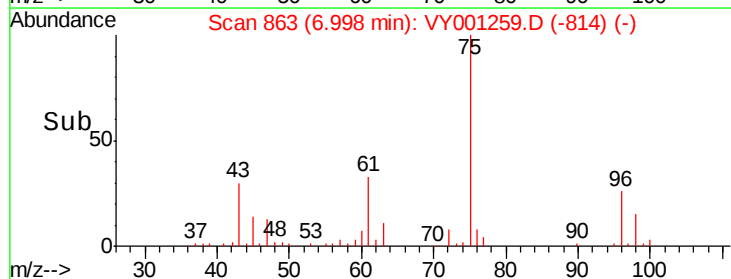
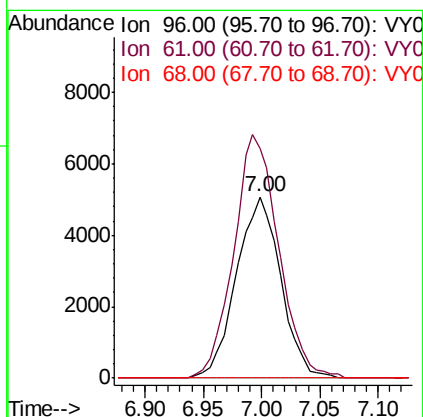
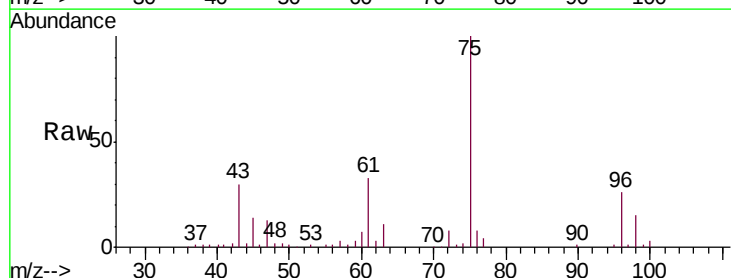
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5774

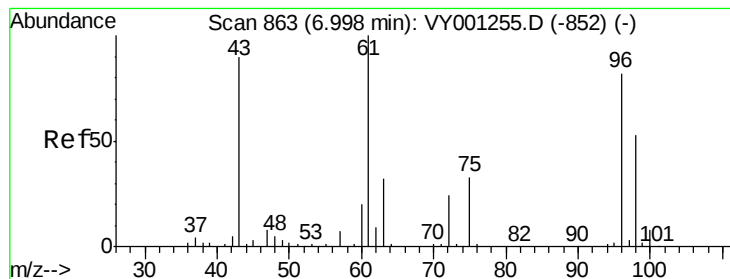
Tgt Ion: 63 Resp: 20840
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.2 39.4
 83 14.6 9.4 17.4



#20
 cis-1,2-Dichloroethene
 Concen: 2.601 ug/L
 RT: 7.00 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VY001259.D
 Acq: 16 Jan 2020 12:17

Tgt Ion: 96 Resp: 13441
 Ion Ratio Lower Upper
 96 100
 61 126.9 85.8 159.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 5.391 ug/L

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001259.D

Acq: 16 Jan 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

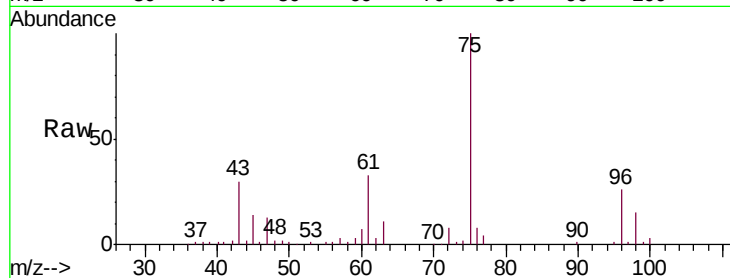
VSTD2.5774

Tgt Ion: 43 Resp: 16785

Ion Ratio Lower Upper

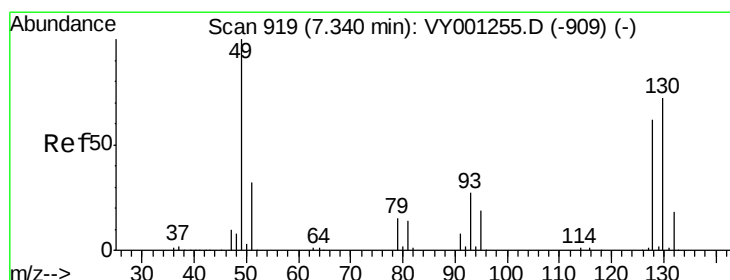
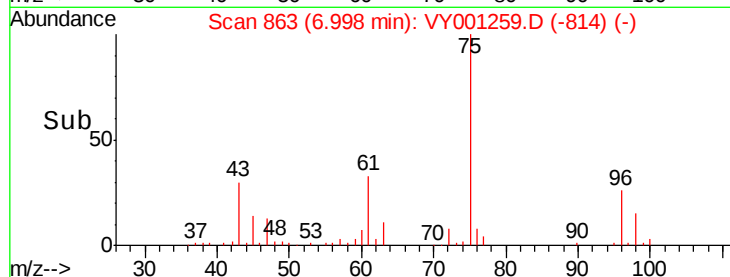
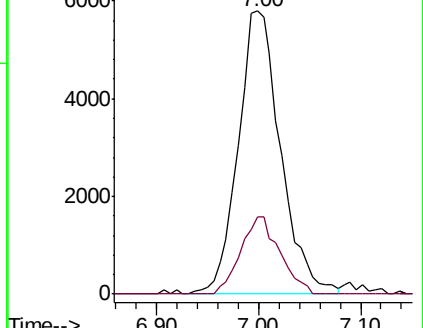
43 100

72 25.2 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VY001259.D (-852) (-)

Ion 72.00 (71.70 to 72.70): VY001259.D (-852) (-)



#23

Bromochloromethane

Concen: 2.625 ug/L

RT: 7.35 min Scan# 920

Delta R.T. 0.01 min

Lab File: VY001259.D

Acq: 16 Jan 2020 12:17

Tgt Ion: 128 Resp: 6101

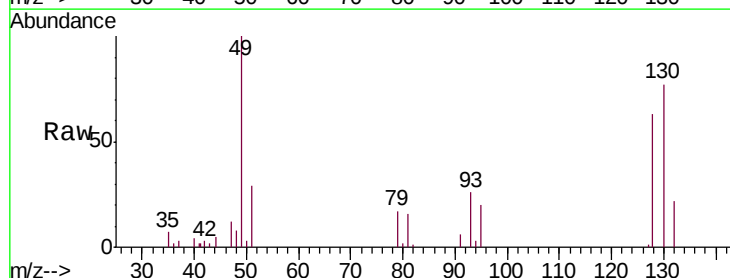
Ion Ratio Lower Upper

128 100

49 158.3 112.3 208.5

130 122.7 81.3 151.1

51 46.1 40.8 61.2

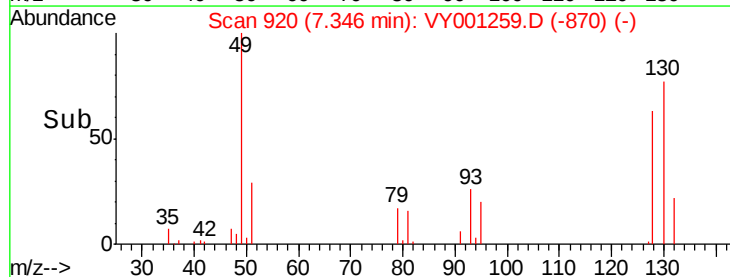
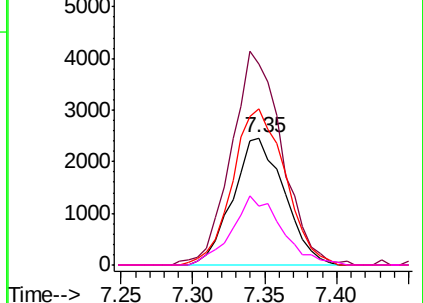


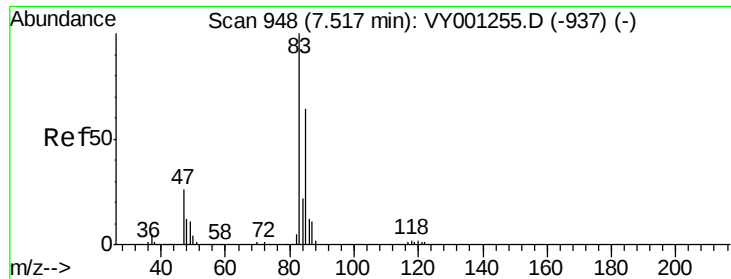
Abundance Ion 128.00 (127.70 to 128.70): VY001259.D (-870) (-)

Ion 49.00 (48.70 to 49.70): VY001259.D (-870) (-)

Ion 130.00 (129.70 to 130.70): VY001259.D (-870) (-)

Ion 51.00 (50.70 to 51.70): VY001259.D (-870) (-)





#25

Chloroform

Concen: 2.503 ug/L

RT: 7.52 min Scan# 949

Delta R.T. 0.01 min

Lab File: VY001259.D

Acq: 16 Jan 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

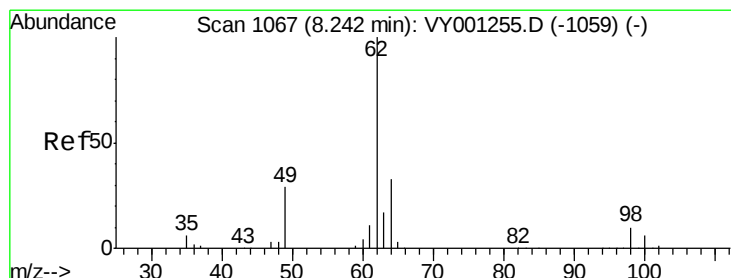
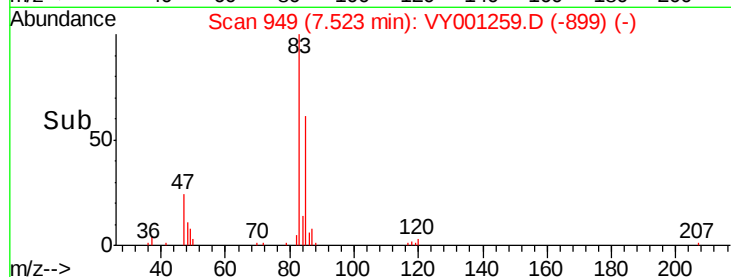
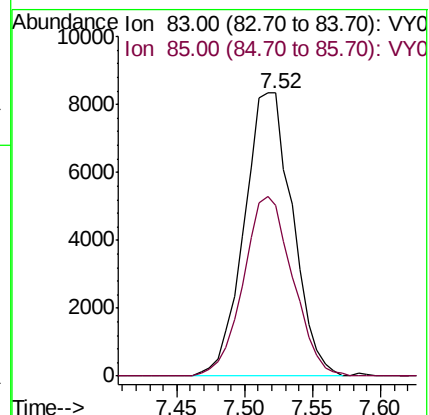
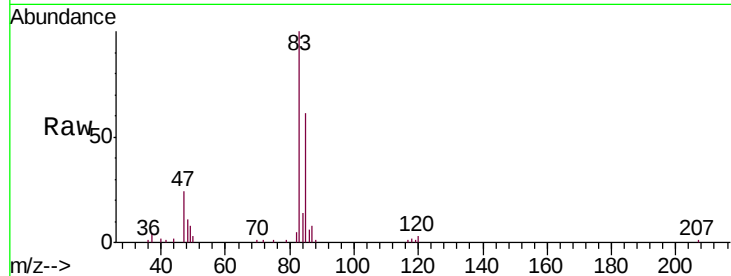
VSTD2.5774

Tgt Ion: 83 Resp: 20789

Ion Ratio Lower Upper

83 100

85 60.5 44.7 82.9



#27

1,2-Dichloroethane

Concen: 2.508 ug/L

RT: 8.25 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VY001259.D

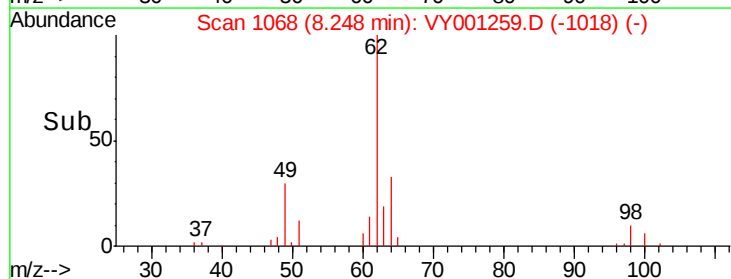
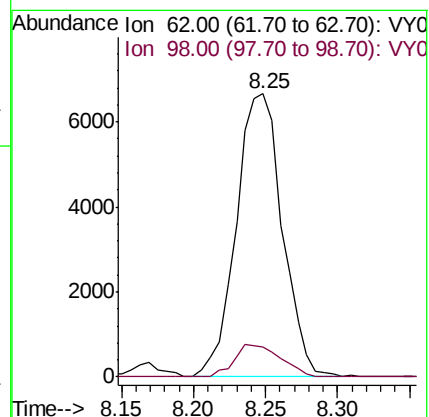
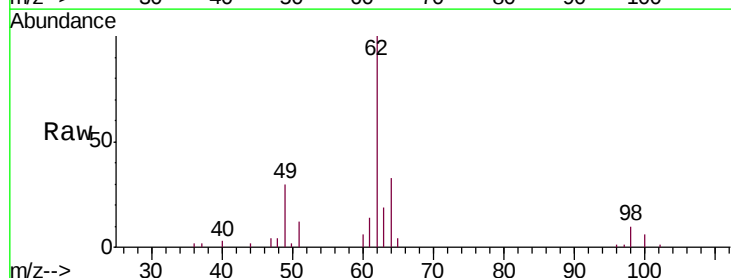
Acq: 16 Jan 2020 12:17

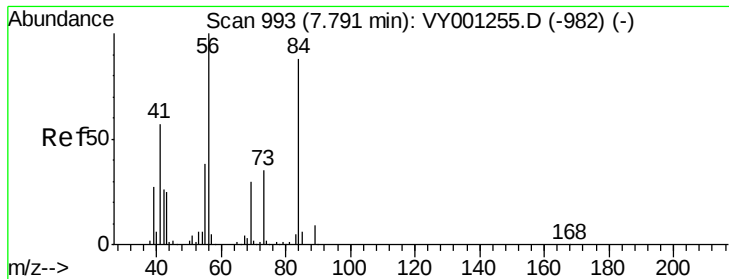
Tgt Ion: 62 Resp: 14809

Ion Ratio Lower Upper

62 100

98 10.5 7.9 11.9

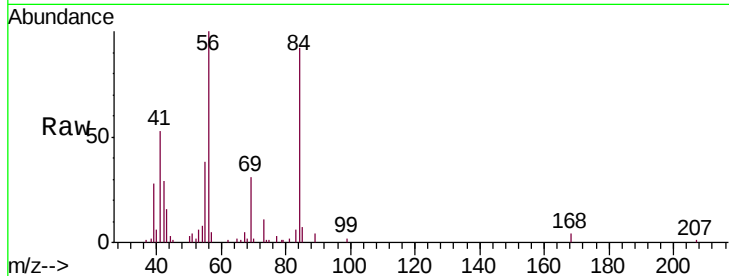




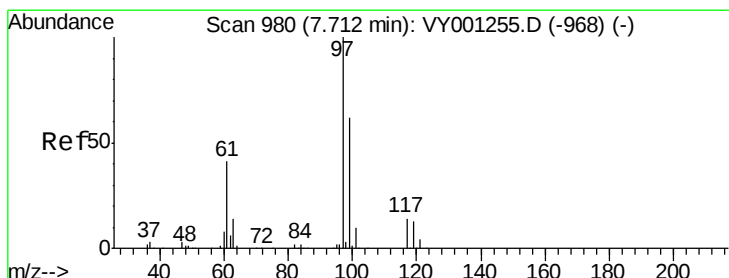
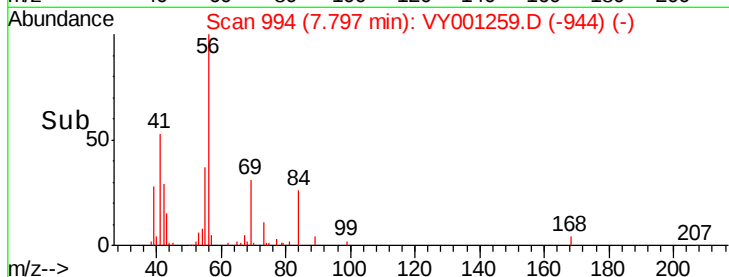
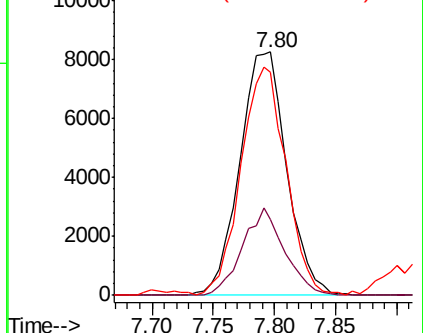
#29
Cyclohexane
Concen: 2.792 ug/L
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY001259.D
Acq: 16 Jan 2020 12:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5774

Tgt Ion: 56 Resp: 22075
Ion Ratio Lower Upper
56 100
69 32.1 24.8 37.2
84 89.9 70.8 106.2

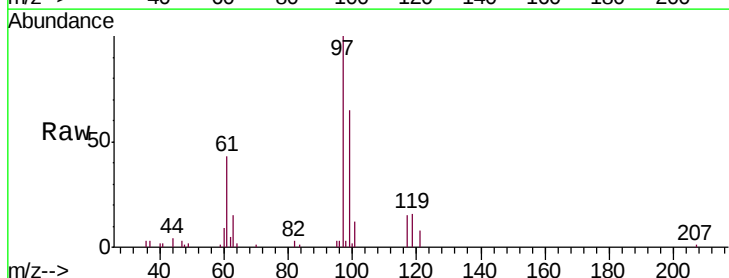


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

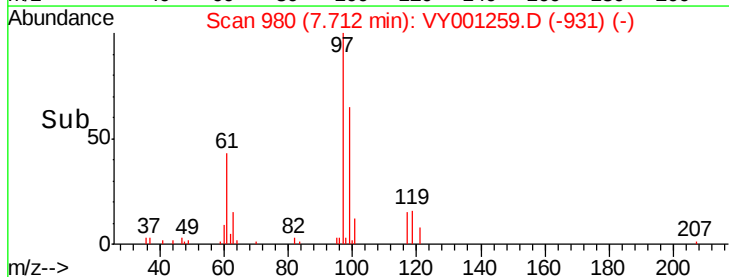
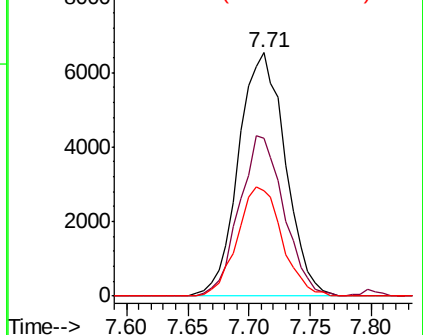


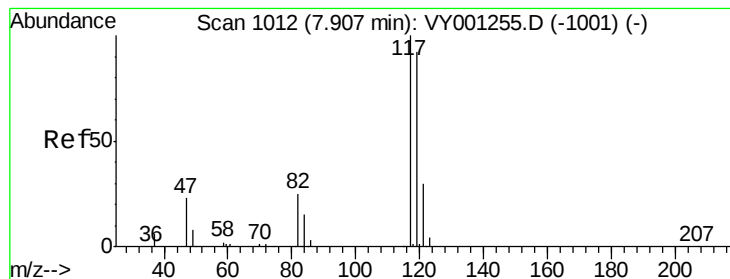
#30
1,1,1-Trichloroethane
Concen: 2.526 ug/L
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY001259.D
Acq: 16 Jan 2020 12:17

Tgt Ion: 97 Resp: 17302
Ion Ratio Lower Upper
97 100
99 62.9 51.5 77.3
61 43.0 35.2 52.8



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: 2.352 ug/L

RT: 7.91 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VY001259.D

Acq: 16 Jan 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

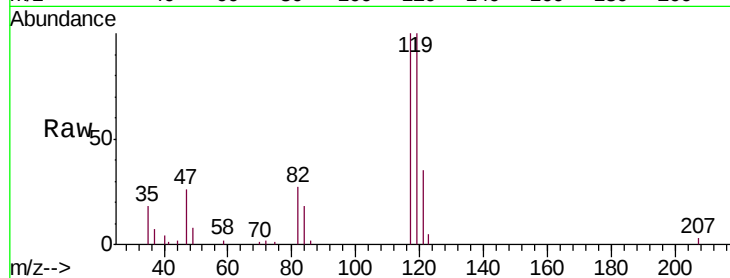
VSTD2.5774

Tgt Ion:117 Resp: 14795

Ion Ratio Lower Upper

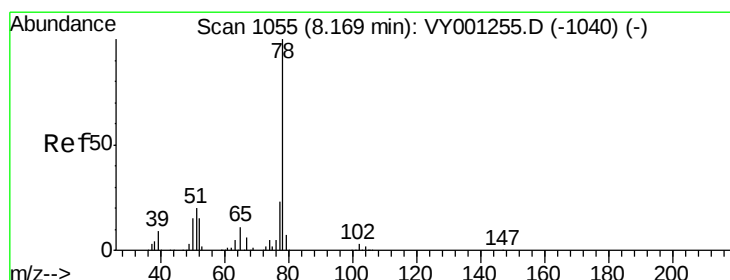
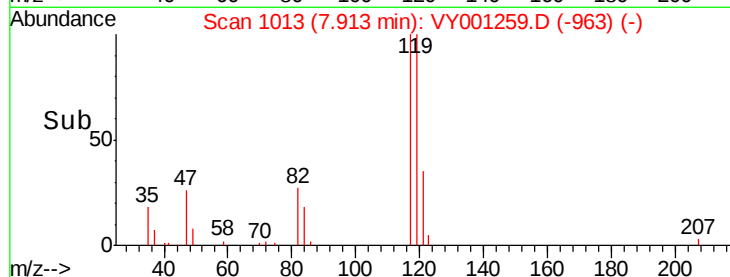
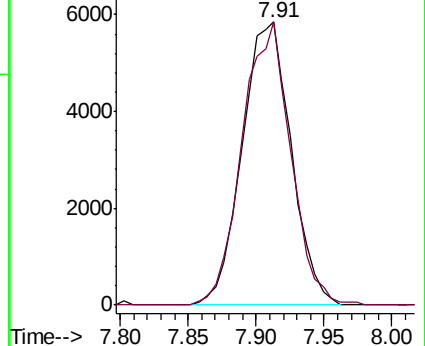
117 100

119 98.1 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.564 ug/L

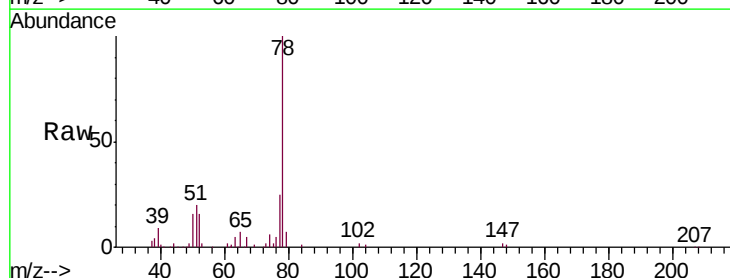
RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VY001259.D

Acq: 16 Jan 2020 12:17

Tgt Ion: 78 Resp: 48346



Abundance Ion 78.00 (77.70 to 78.70): VY0

25000

20000

15000

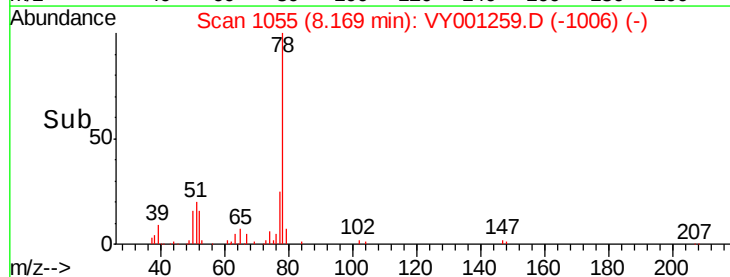
10000

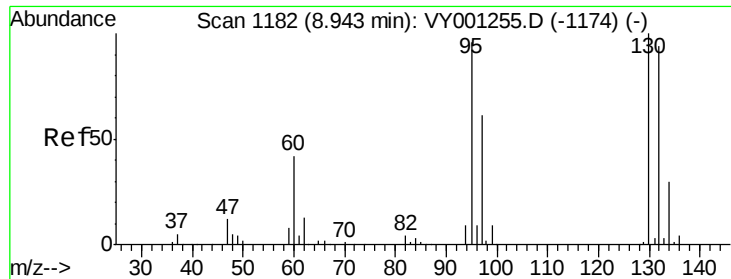
5000

0

Time-->

Chromatogram showing abundance (0 to 25000) versus time (8.10 to 8.25 minutes). A single sharp peak is labeled at 8.17 minutes.

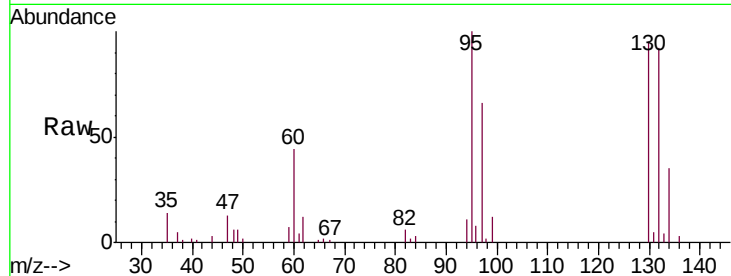




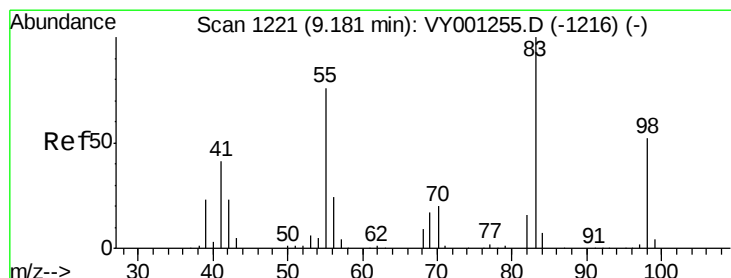
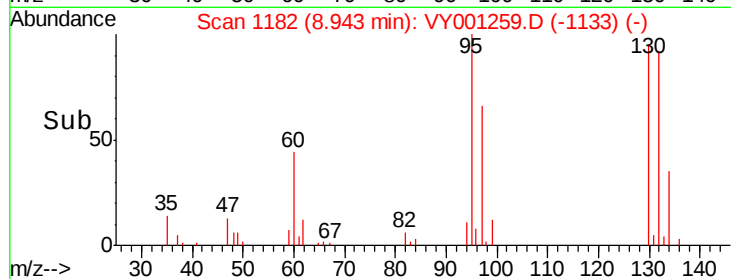
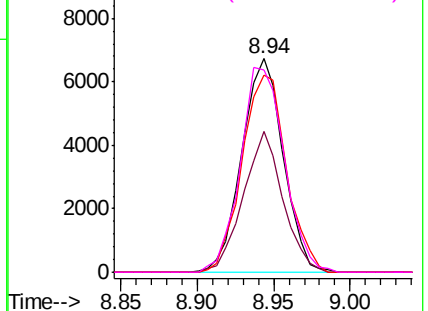
#34
 Trichloroethene
 Concen: 2.567 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VY001259.D
 Acq: 16 Jan 2020 12:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5774

Tgt Ion: 95 Resp: 12696
 Ion Ratio Lower Upper
 95 100
 97 66.2 44.4 82.4
 132 92.1 68.8 127.8
 130 95.0 72.9 135.3

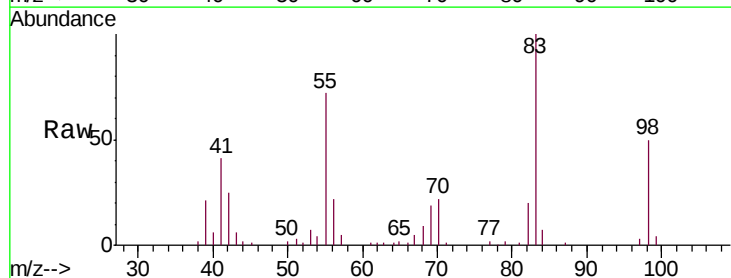


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

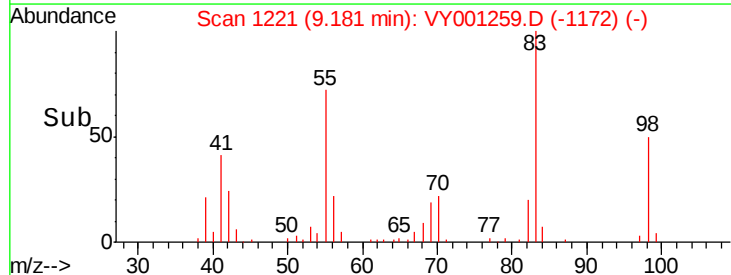
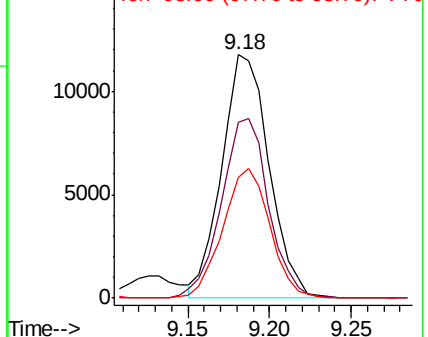


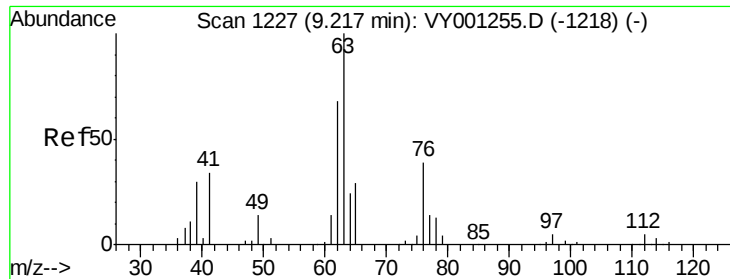
#35
 Methylcyclohexane
 Concen: 2.783 ug/L
 RT: 9.18 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VY001259.D
 Acq: 16 Jan 2020 12:17

Tgt Ion: 83 Resp: 23806
 Ion Ratio Lower Upper
 83 100
 55 73.6 59.8 89.6
 98 52.8 40.1 60.1



Abundance Ion 83.00 (82.70 to 83.70): VY0
 Ion 55.00 (54.70 to 55.70): VY0
 Ion 98.00 (97.70 to 98.70): VY0

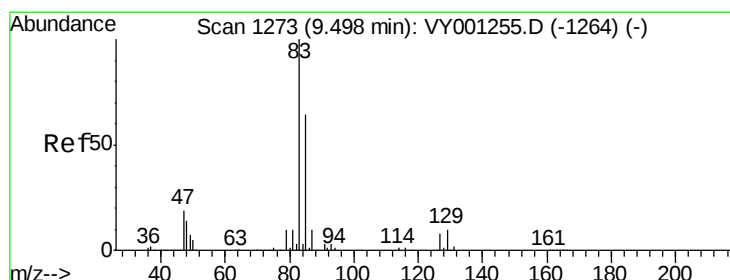
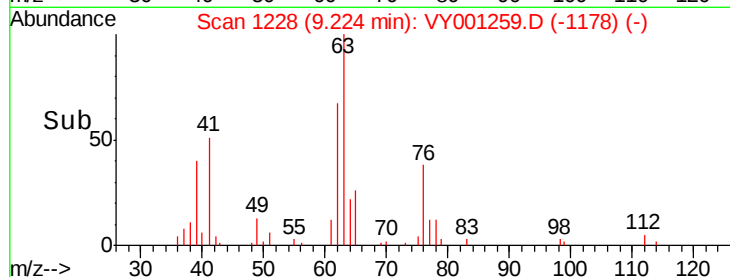
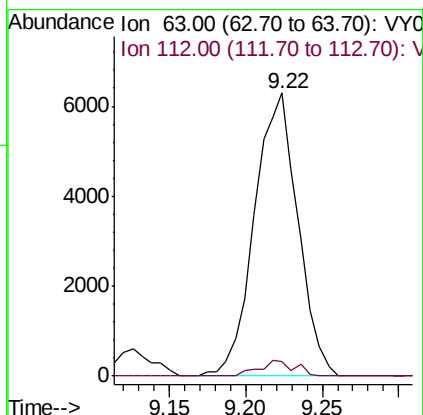
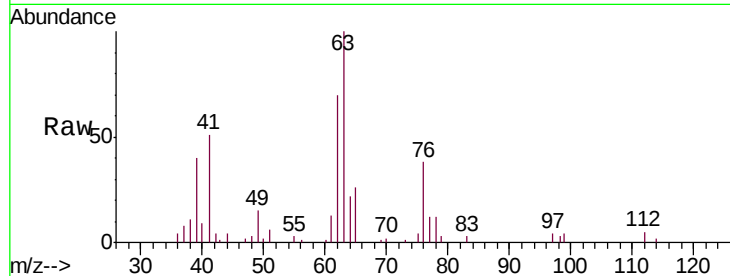




#37
 1,2-Dichloropropane
 Concen: 2.582 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY001259.D
 Acq: 16 Jan 2020 12:17

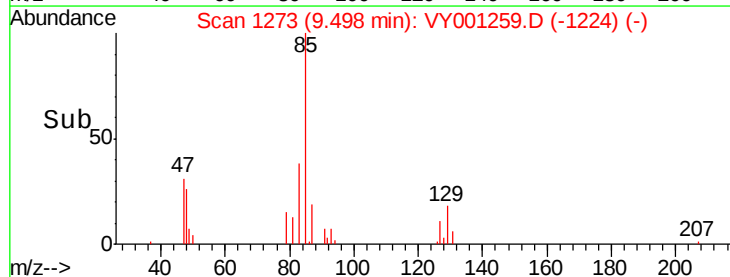
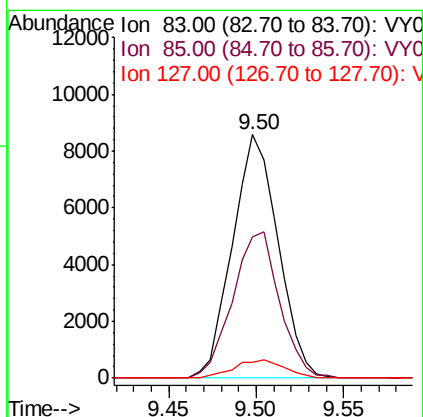
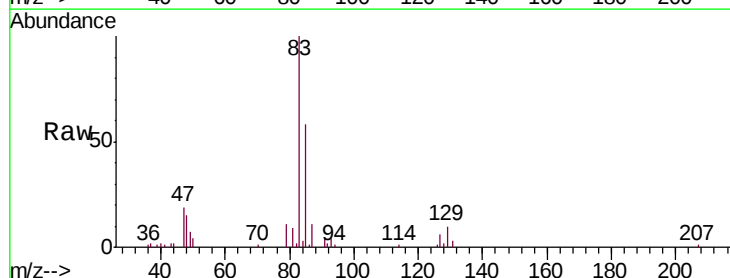
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5774

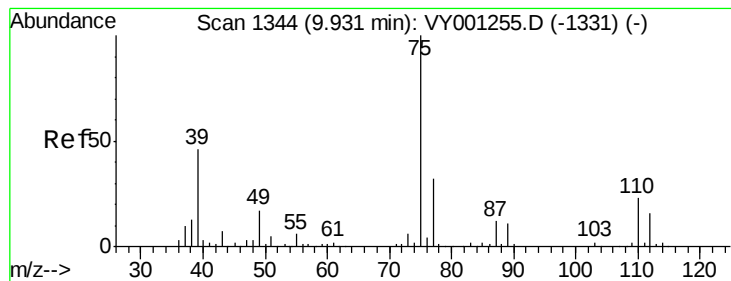
Tgt Ion: 63 Resp: 12415
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.6 5.4



#38
 Bromodichloromethane
 Concen: 2.565 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VY001259.D
 Acq: 16 Jan 2020 12:17

Tgt Ion: 83 Resp: 15569
 Ion Ratio Lower Upper
 83 100
 85 58.2 44.4 82.5
 127 6.5 6.4 9.6



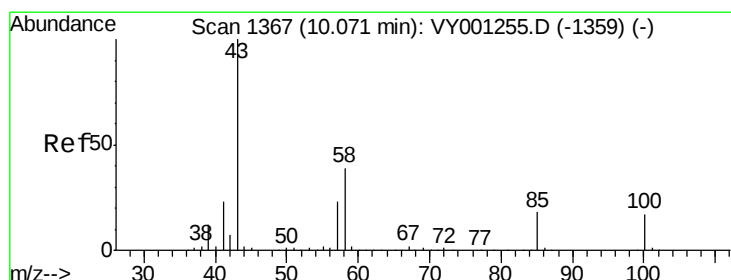
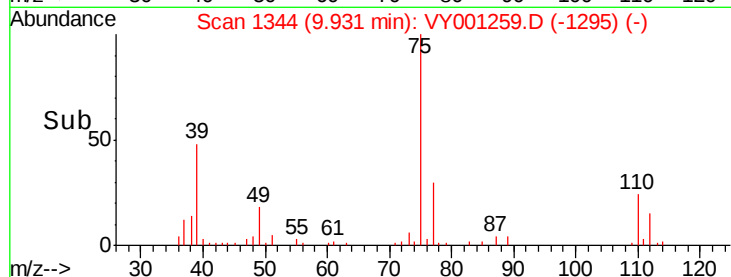
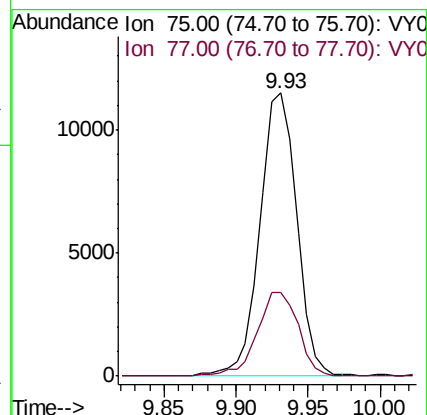
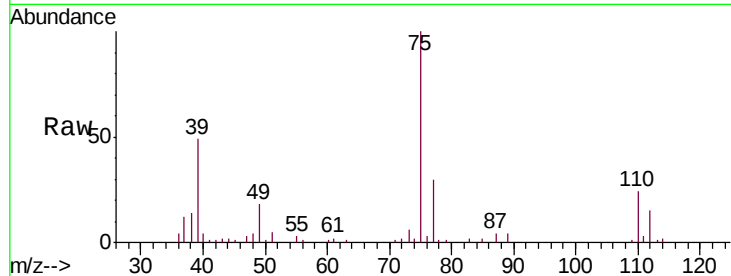


#39

cis-1,3-Dichloropropene
 Concen: 2.641 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY001259.D
 Acq: 16 Jan 2020 12:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5774

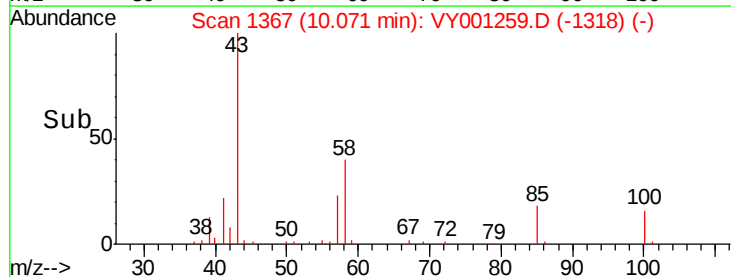
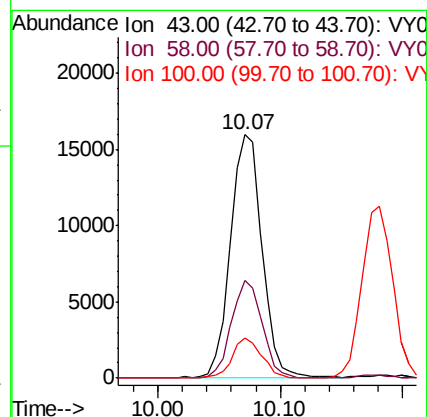
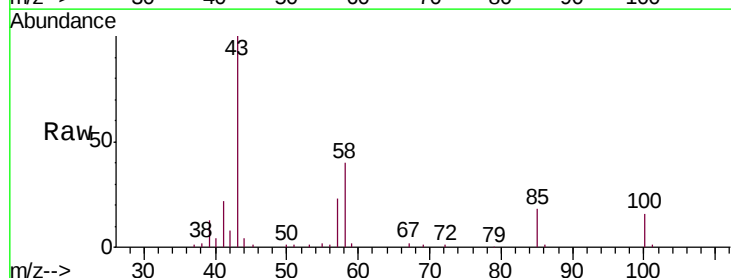
Tgt Ion: 75 Resp: 20374
 Ion Ratio Lower Upper
 75 100
 77 29.6 22.1 41.1

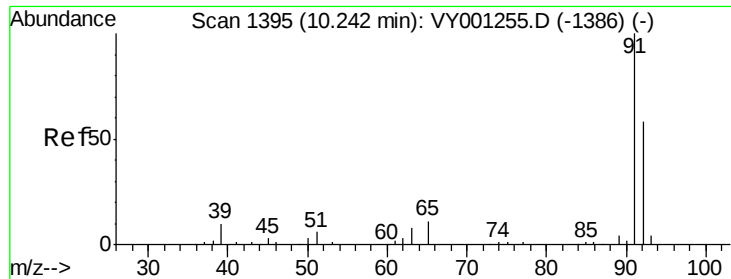


#40

4-Methyl-2-pentanone
 Concen: 5.383 ug/L
 RT: 10.07 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VY001259.D
 Acq: 16 Jan 2020 12:17

Tgt Ion: 43 Resp: 28484
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.7 47.5
 100 15.3 13.0 19.6





#42

Toluene

Concen: 2.632 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY001259.D

Acq: 16 Jan 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

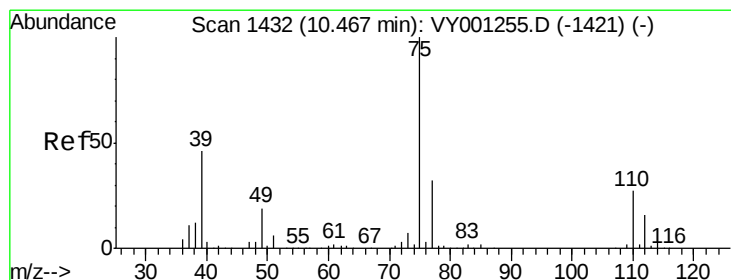
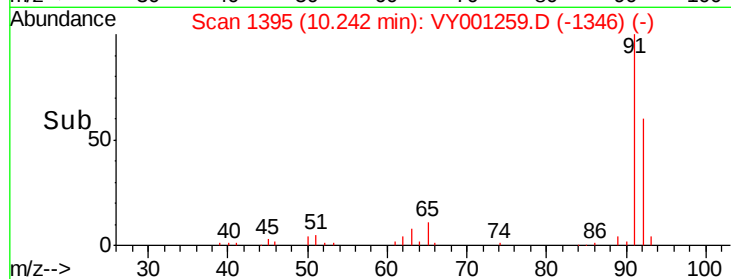
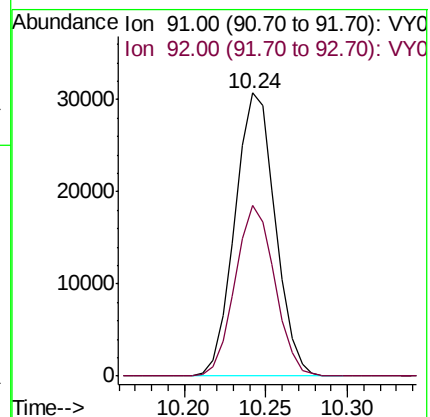
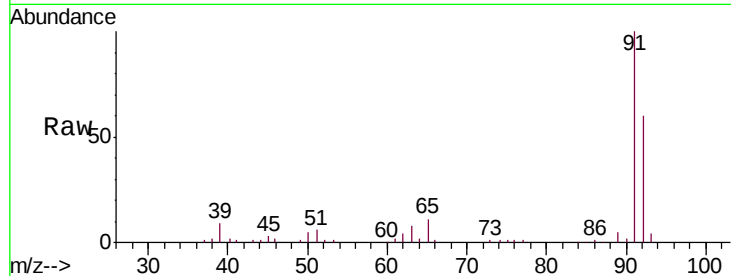
VSTD2.5774

Tgt Ion: 91 Resp: 53003

Ion Ratio Lower Upper

91 100

92 60.3 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 2.543 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY001259.D

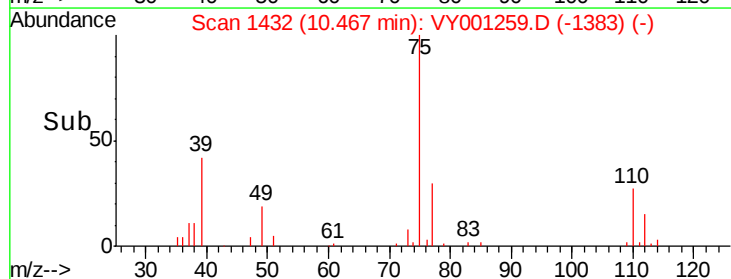
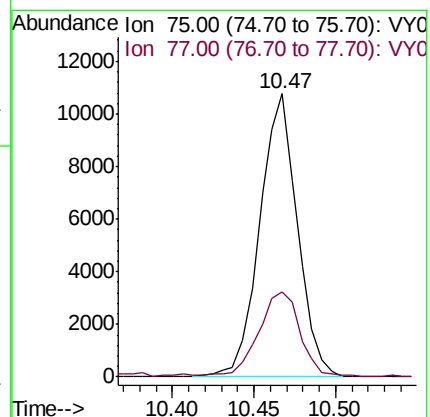
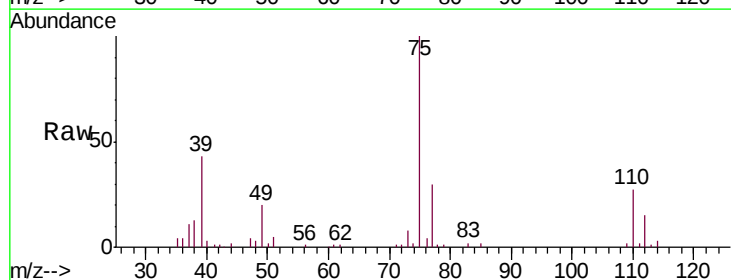
Acq: 16 Jan 2020 12:17

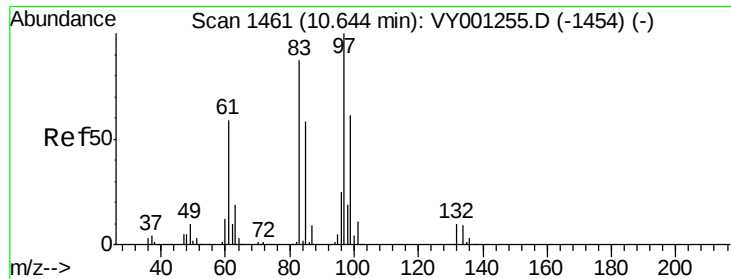
Tgt Ion: 75 Resp: 17253

Ion Ratio Lower Upper

75 100

77 30.2 22.5 41.7

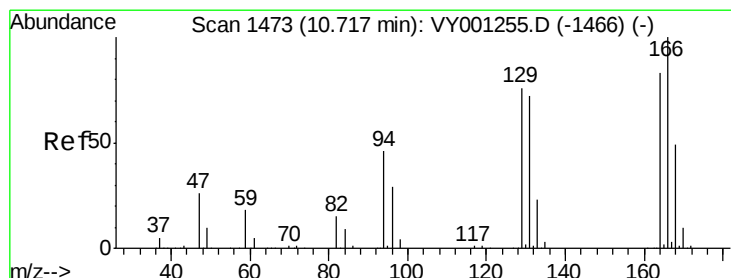
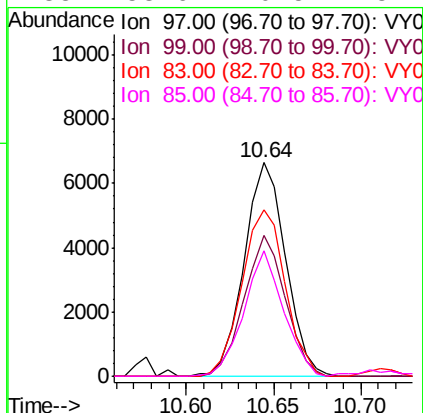
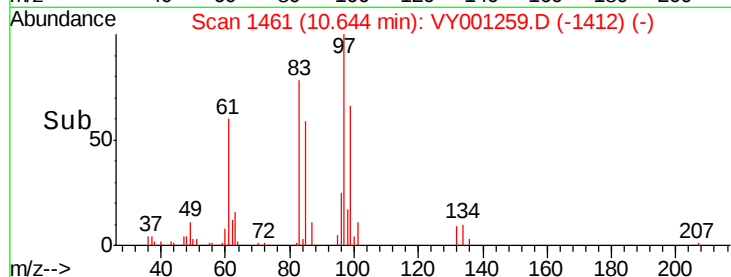
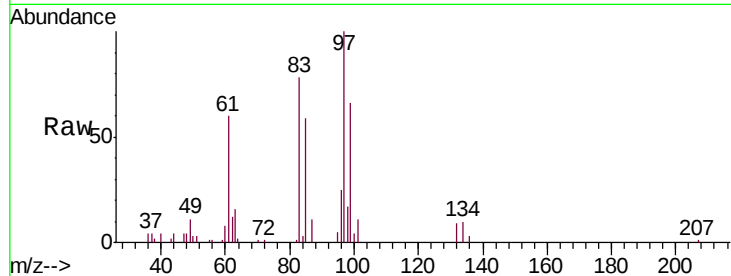




#45
 1,1,2-Trichloroethane
 Concen: 2.702 ug/L
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001259.D
 Acq: 16 Jan 2020 12:17

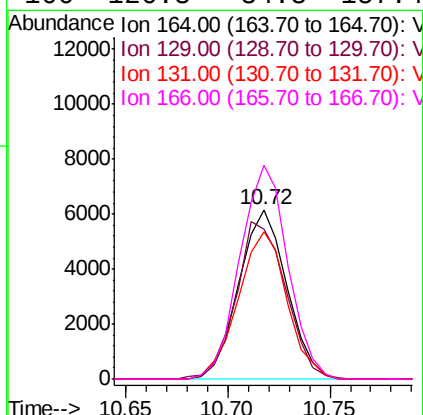
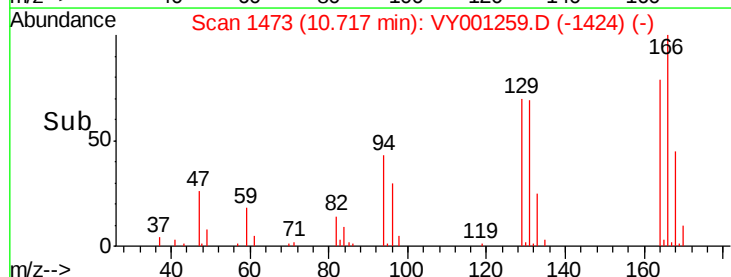
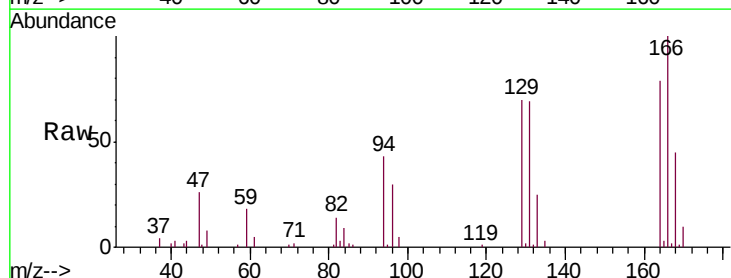
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5774

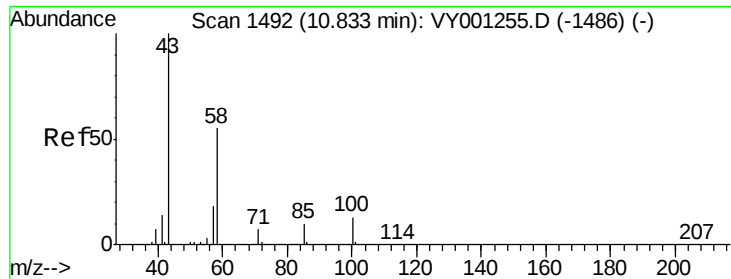
Tgt Ion:	97	Resp:	10971
Ion	Ratio	Lower	Upper
97	100		
99	66.0	42.7	79.3
83	78.2	61.1	113.5
85	58.6	40.5	75.1



#46
 Tetrachloroethene
 Concen: 2.649 ug/L
 RT: 10.72 min Scan# 1473
 Delta R.T. 0.00 min
 Lab File: VY001259.D
 Acq: 16 Jan 2020 12:17

Tgt Ion:	164	Resp:	10063
Ion	Ratio	Lower	Upper
164	100		
129	88.6	64.7	120.1
131	87.2	61.2	113.6
166	126.3	84.8	157.4

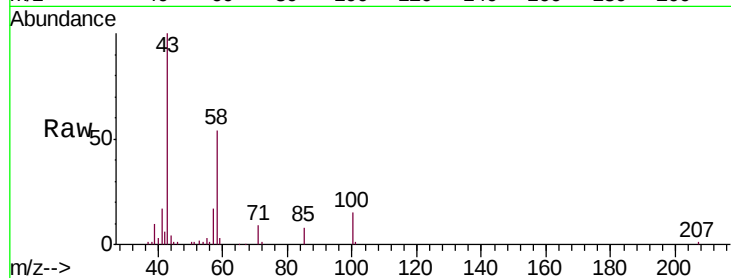




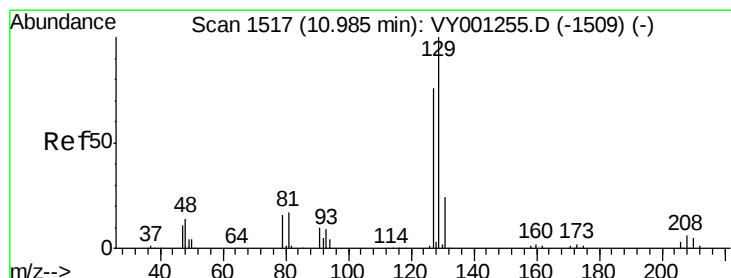
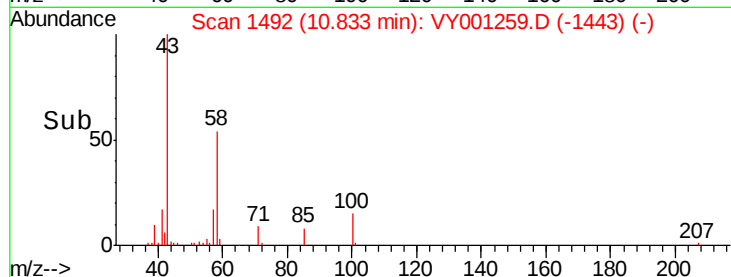
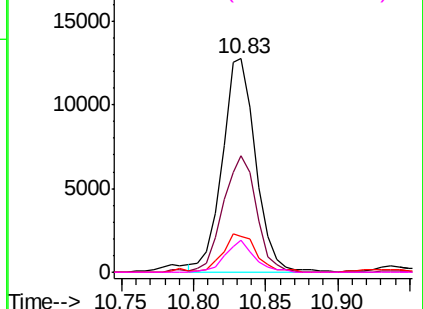
#48
2-Hexanone
Concen: 4.993 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001259.D
Acq: 16 Jan 2020 12:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5774

Tgt Ion:	43	Resp:	20826
Ion	Ratio	Lower	Upper
43	100		
58	54.0	43.2	64.8
57	17.7	14.9	22.3
100	12.9	10.0	15.0

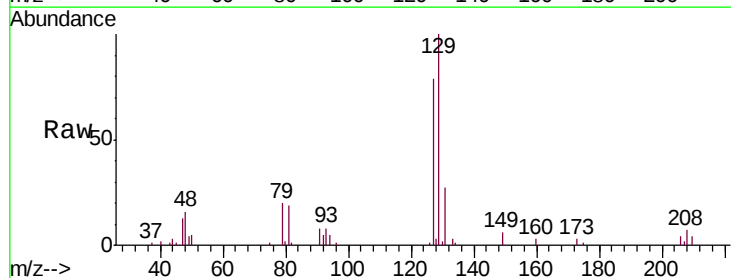


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0
Ion 57.00 (56.70 to 57.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

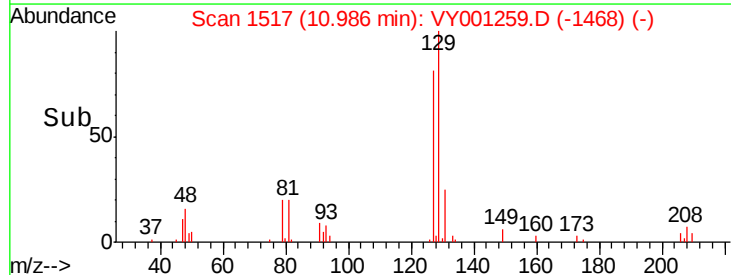
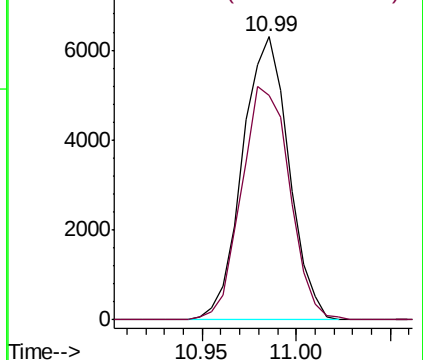


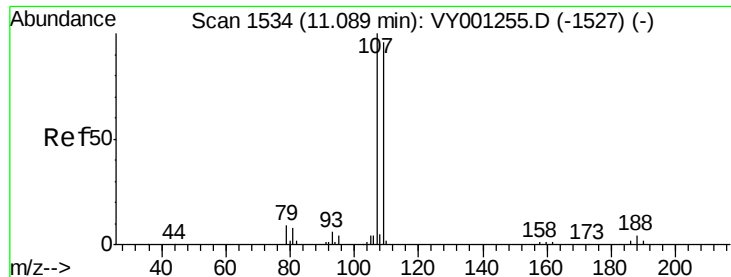
#49
Dibromochloromethane
Concen: 2.364 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY001259.D
Acq: 16 Jan 2020 12:17

Tgt Ion:	129	Resp:	10755
Ion	Ratio	Lower	Upper
129	100		
127	79.4	53.5	99.3



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

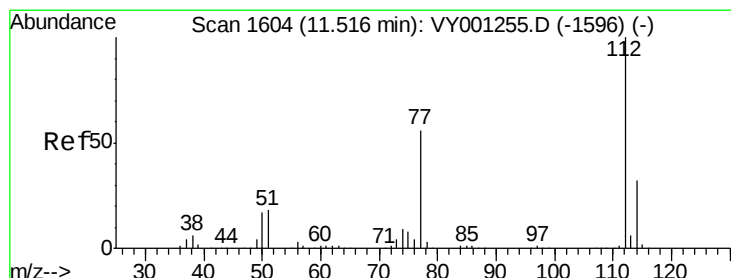
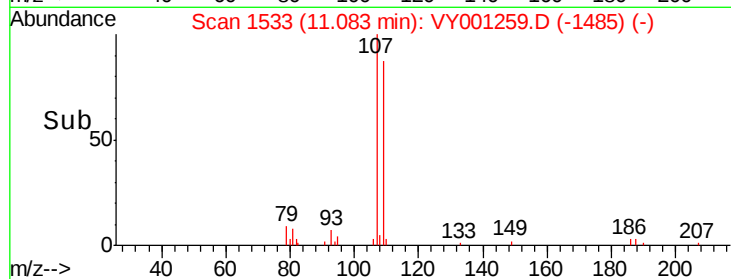
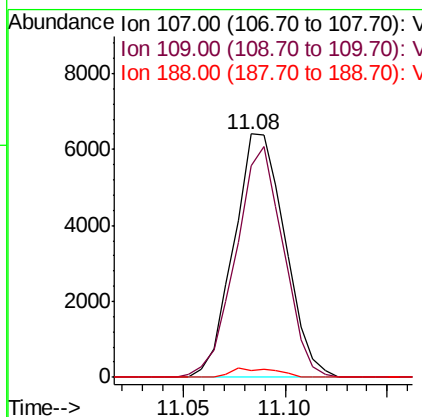
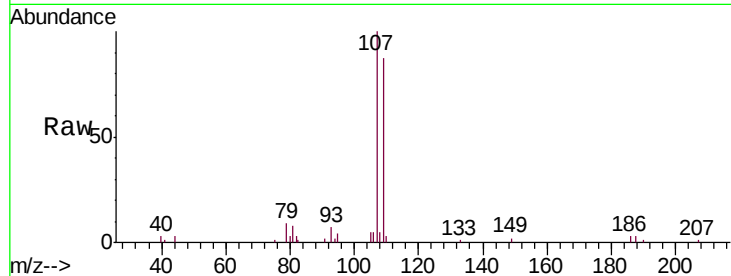




#50
1,2-Dibromoethane
Concen: 2.708 ug/L
RT: 11.08 min Scan# 1533
Delta R.T. -0.01 min
Lab File: VY001259.D
Acq: 16 Jan 2020 12:17

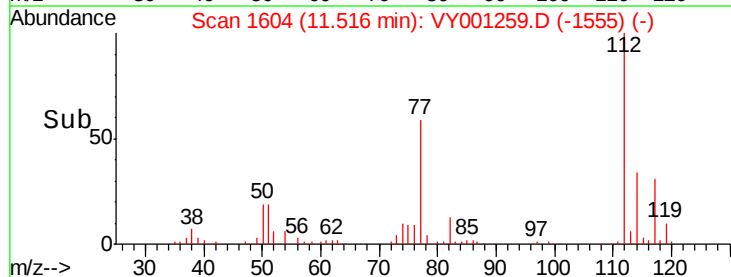
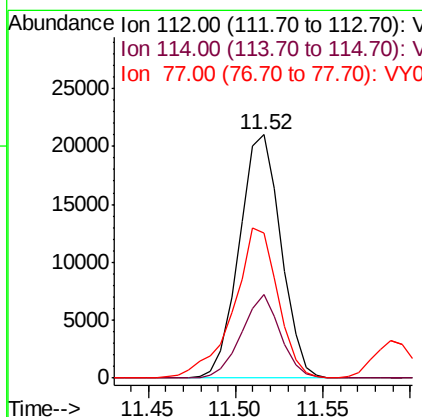
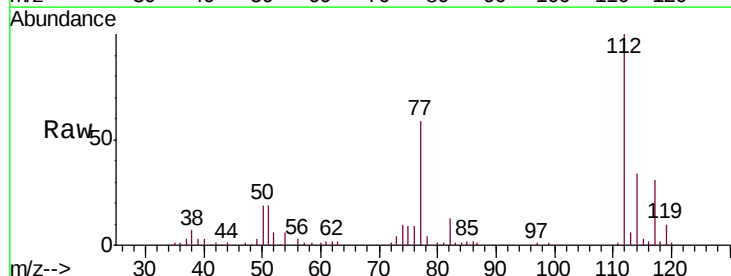
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5774

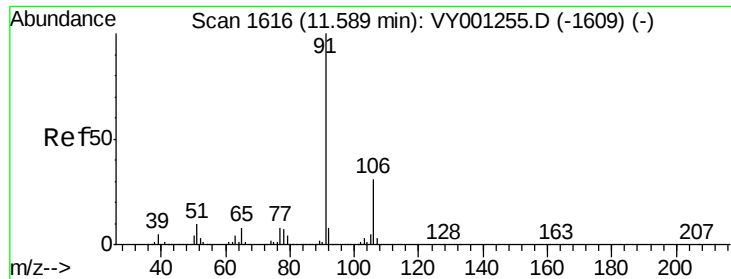
Tgt Ion:107 Resp: 11178
Ion Ratio Lower Upper
107 100
109 86.8 67.1 124.7
188 2.6 2.9 4.3#



#51
Chlorobenzene
Concen: 2.711 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY001259.D
Acq: 16 Jan 2020 12:17

Tgt Ion:112 Resp: 34852
Ion Ratio Lower Upper
112 100
114 34.3 22.2 41.2
77 59.4 45.0 67.6





#52

Ethylbenzene

Concen: 2.593 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY001259.D

Acq: 16 Jan 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

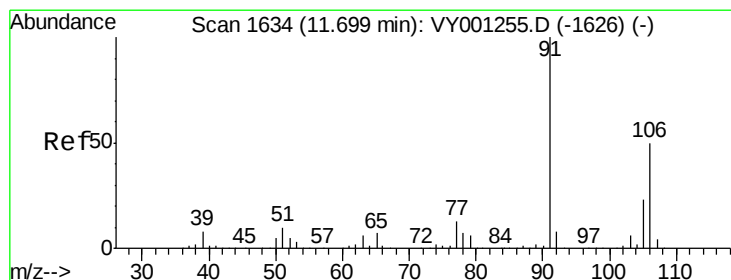
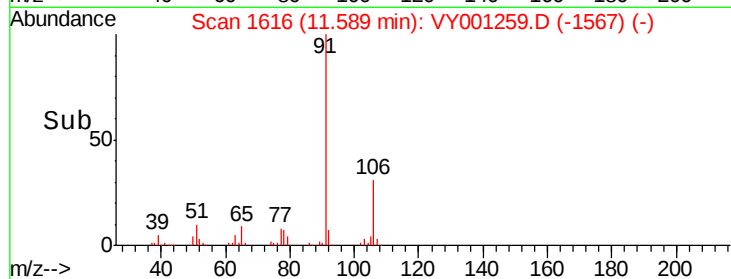
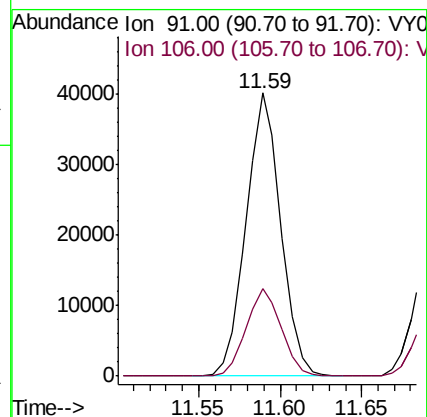
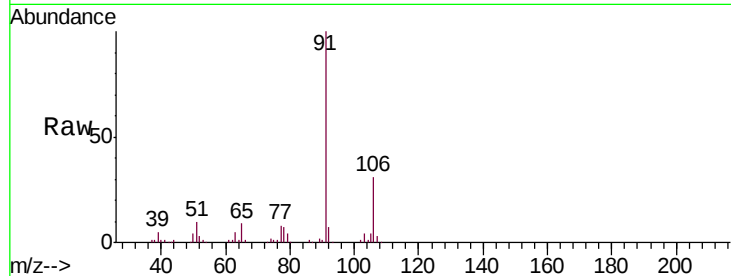
VSTD2.5774

Tgt Ion: 91 Resp: 59455

Ion Ratio Lower Upper

91 100

106 30.9 21.7 40.3



#53

m,p-Xylene

Concen: 2.730 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY001259.D

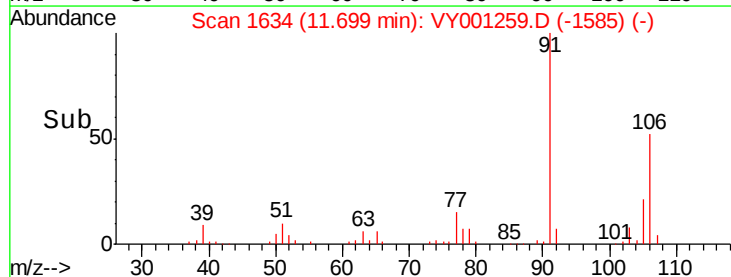
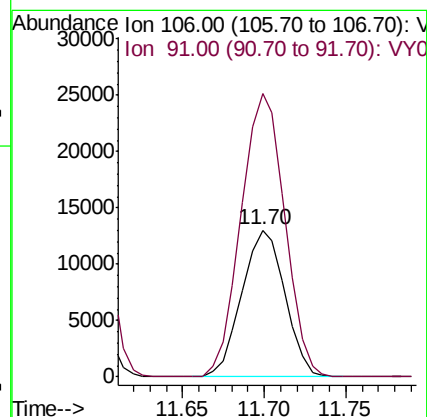
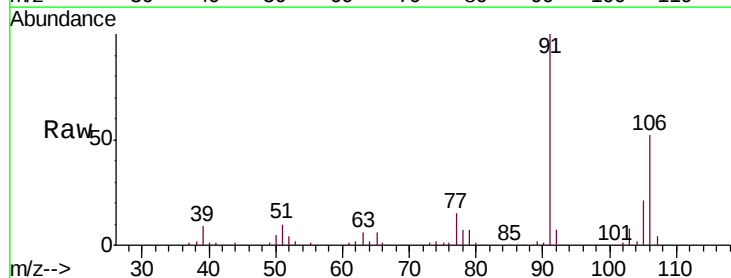
Acq: 16 Jan 2020 12:17

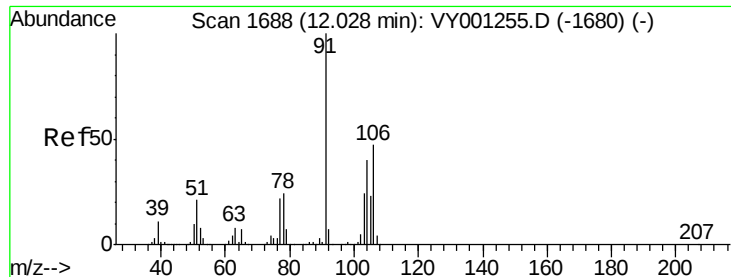
Tgt Ion: 106 Resp: 23972

Ion Ratio Lower Upper

106 100

91 192.8 139.4 258.8

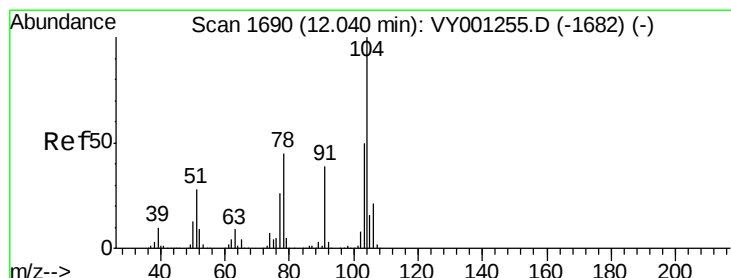
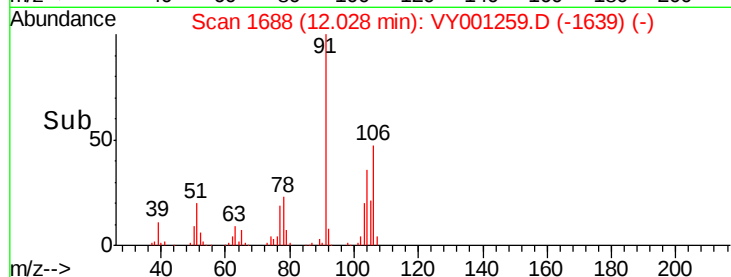
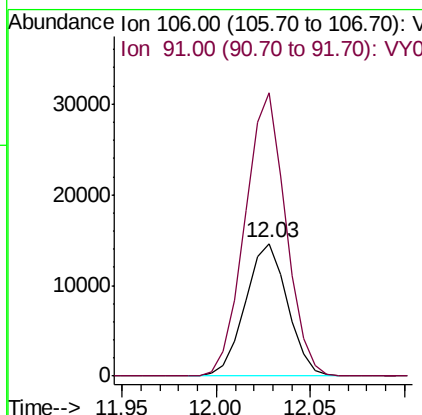
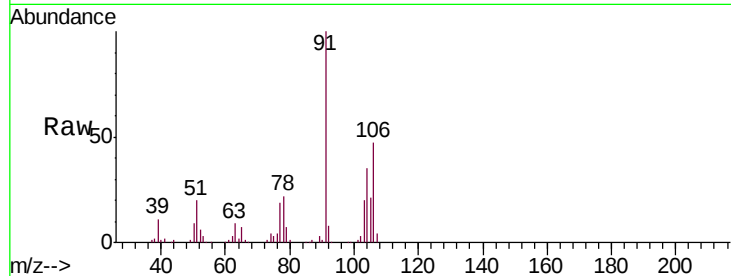




#54
o-Xylene
Concen: 2.675 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001259.D
Acq: 16 Jan 2020 12:17

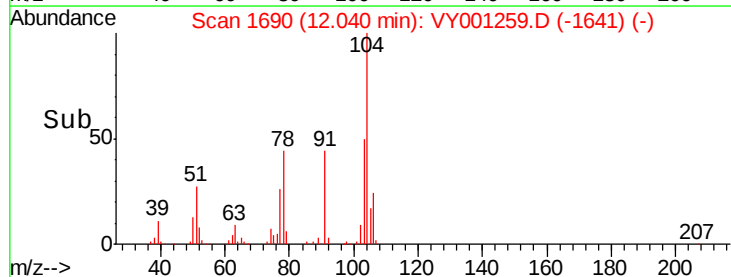
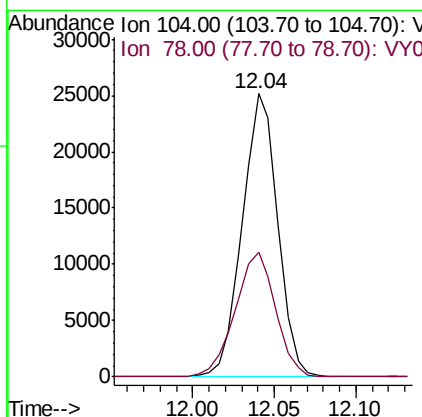
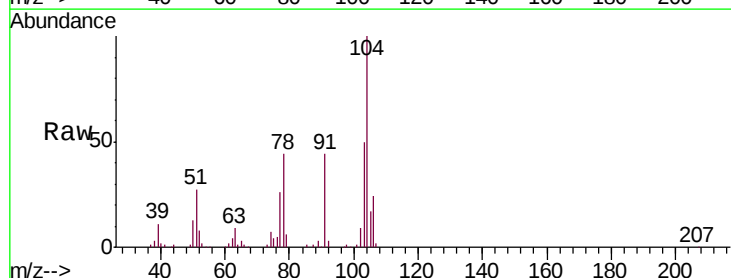
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5774

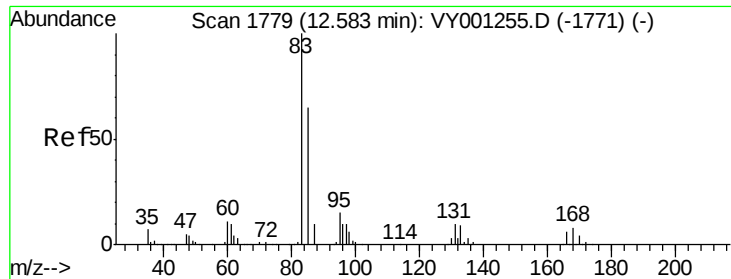
Tgt Ion:106 Resp: 22715
Ion Ratio Lower Upper
106 100
91 213.1 148.5 275.7



#55
Styrene
Concen: 2.634 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001259.D
Acq: 16 Jan 2020 12:17

Tgt Ion:104 Resp: 38183
Ion Ratio Lower Upper
104 100
78 44.0 31.6 58.6

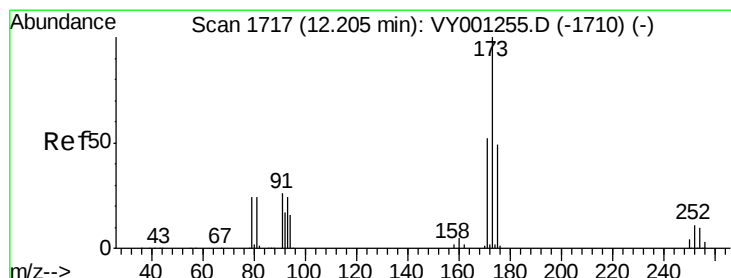
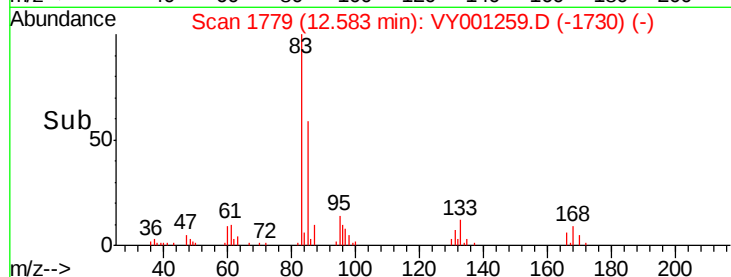
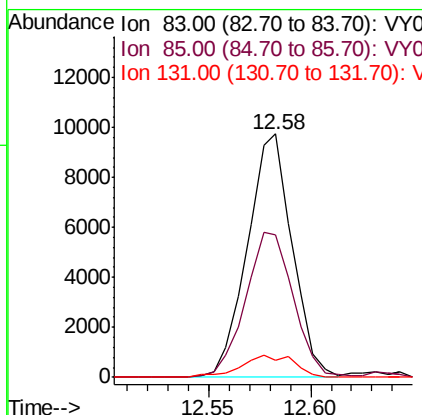
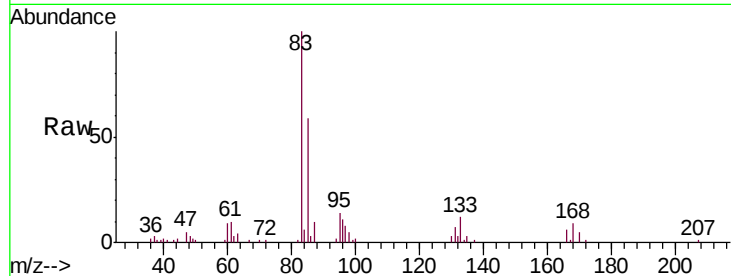




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.677 ug/L
 RT: 12.58 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VY001259.D
 Acq: 16 Jan 2020 12:17

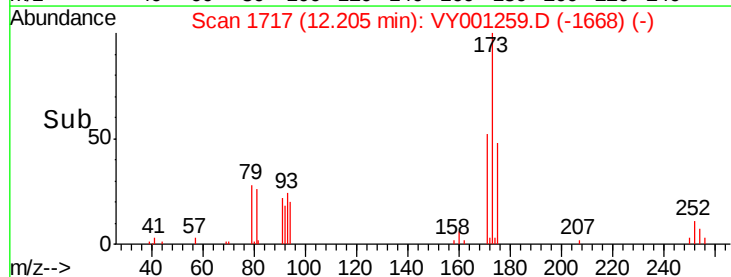
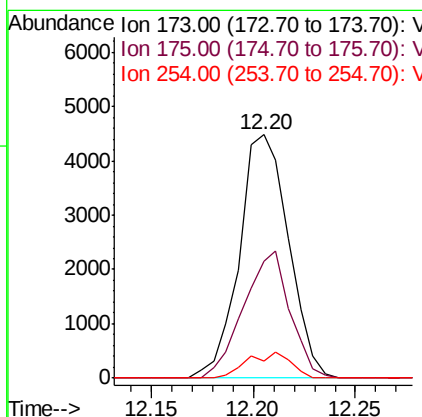
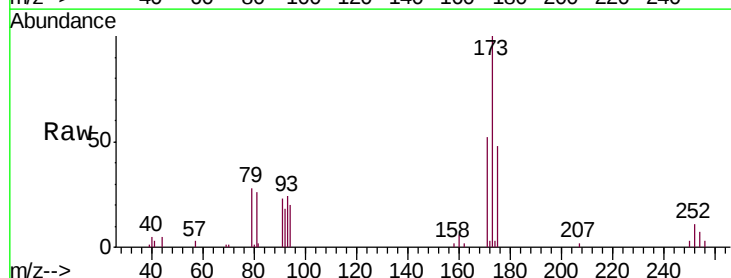
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5774

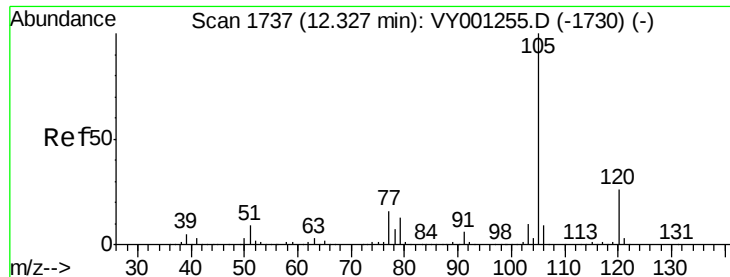
Tgt Ion: 83 Resp: 14900
 Ion Ratio Lower Upper
 83 100
 85 58.7 45.6 84.6
 131 7.3 7.8 11.8#



#59
 Bromoform
 Concen: 2.649 ug/L
 RT: 12.20 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VY001259.D
 Acq: 16 Jan 2020 12:17

Tgt Ion: 173 Resp: 7537
 Ion Ratio Lower Upper
 173 100
 175 49.3 38.5 57.7
 254 9.3 8.2 12.2





#60

Isopropylbenzene

Concen: 2.691 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY001259.D

Acq: 16 Jan 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5774

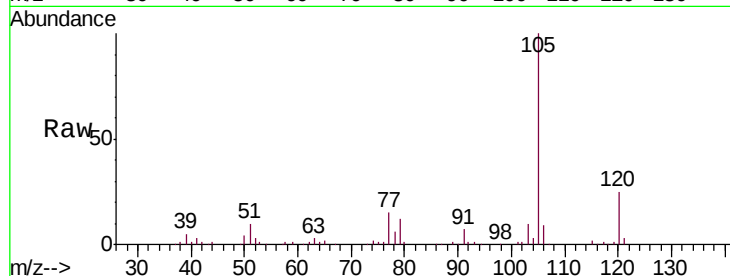
Tgt Ion: 105 Resp: 57694

Ion Ratio Lower Upper

105 100

120 25.7 21.4 32.2

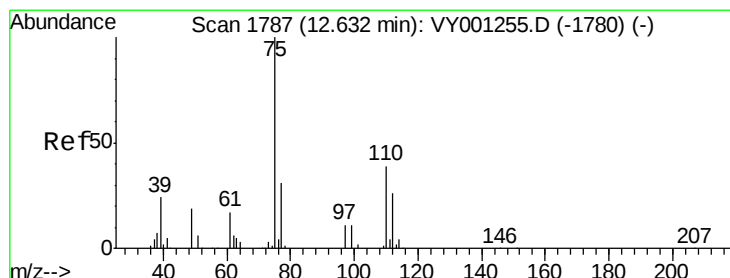
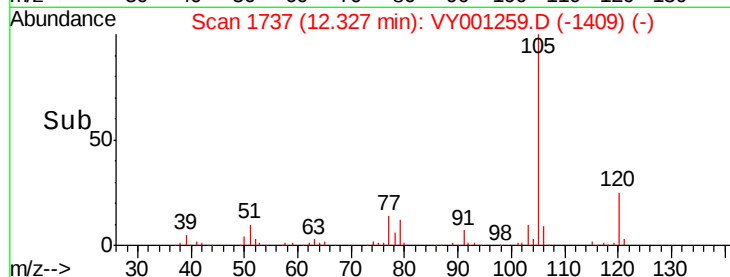
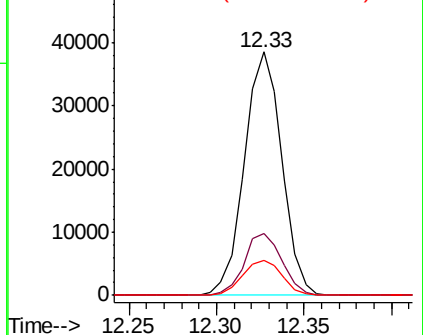
77 15.2 12.3 18.5



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: 2.783 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY001259.D

Acq: 16 Jan 2020 12:17

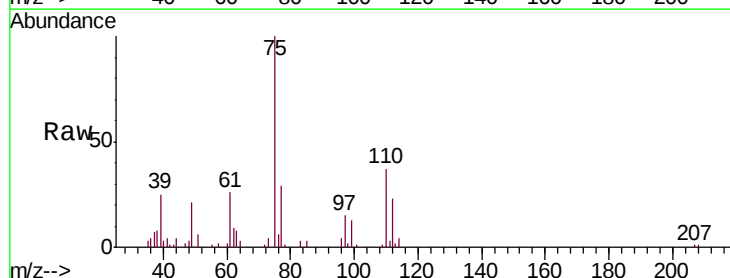
Tgt Ion: 75 Resp: 11819

Ion Ratio Lower Upper

75 100

77 33.8 25.1 37.7

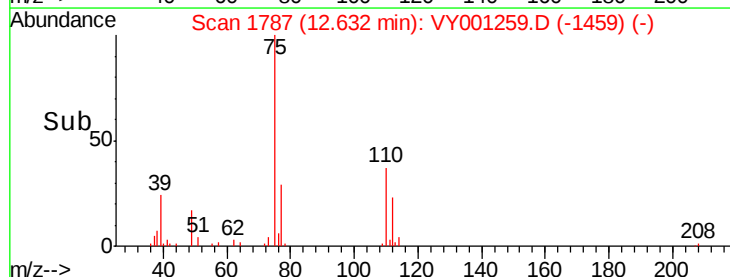
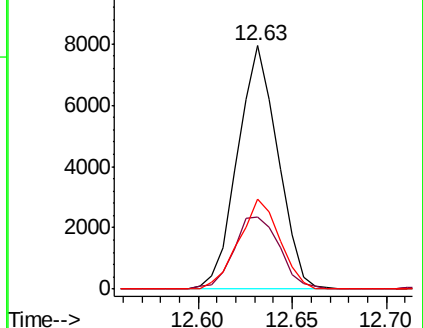
110 37.5 31.4 47.2

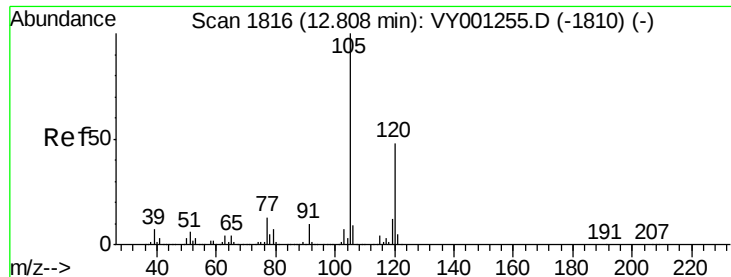


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 2.768 ug/L

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001259.D

Acq: 16 Jan 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

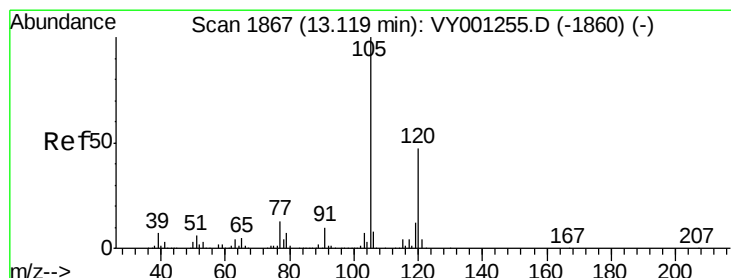
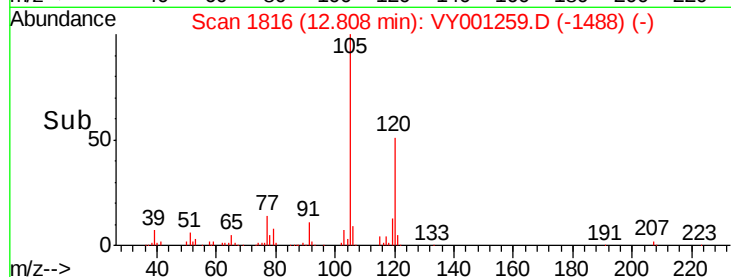
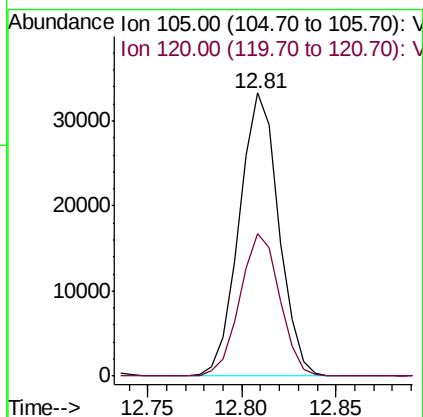
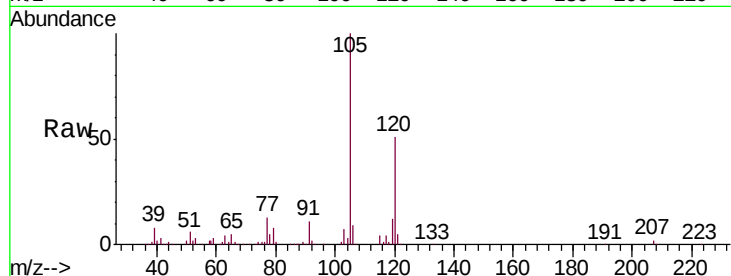
VSTD2.5774

Tgt Ion:105 Resp: 48456

Ion Ratio Lower Upper

105 100

120 50.8 0.2 0.2#



#63

1,2,4-Trimethylbenzene

Concen: 2.837 ug/L

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY001259.D

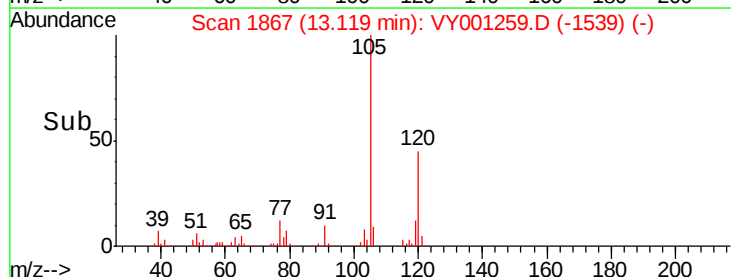
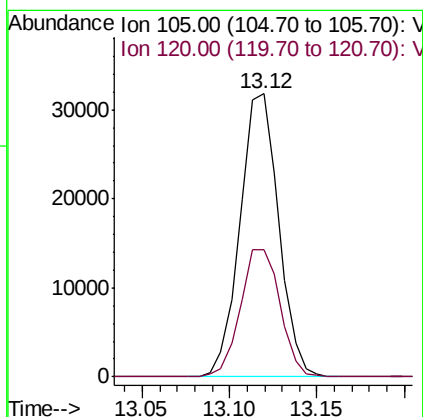
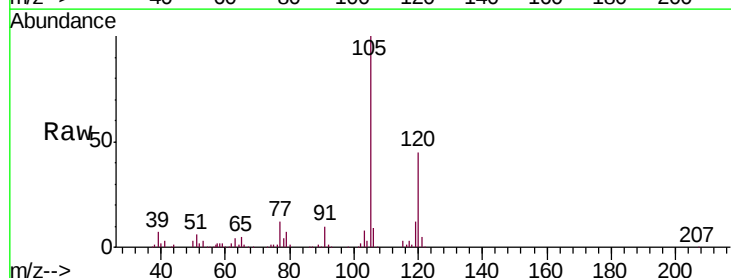
Acq: 16 Jan 2020 12:17

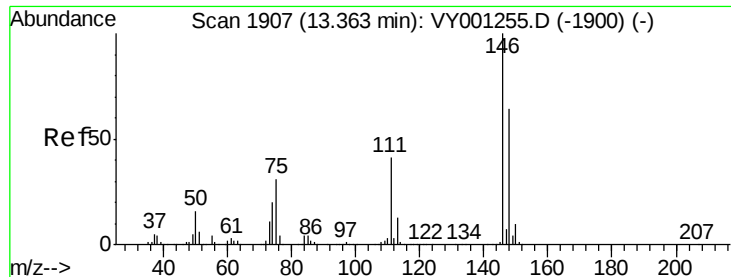
Tgt Ion:105 Resp: 48929

Ion Ratio Lower Upper

105 100

120 46.2 37.0 55.6





#64

1,3-Dichlorobenzene

Concen: 2.875 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY001259.D

Acq: 16 Jan 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5774

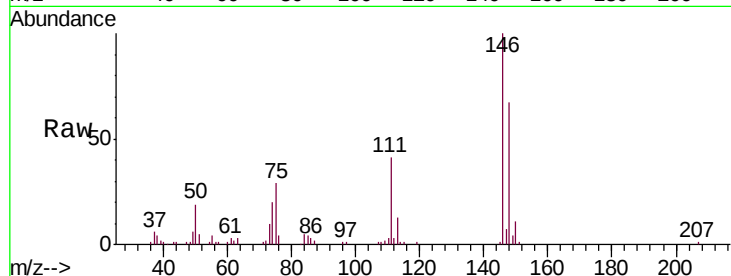
Tgt Ion:146 Resp: 27494

Ion Ratio Lower Upper

146 100

111 40.7 28.7 53.3

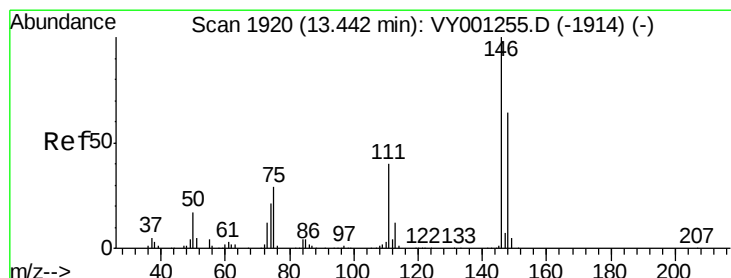
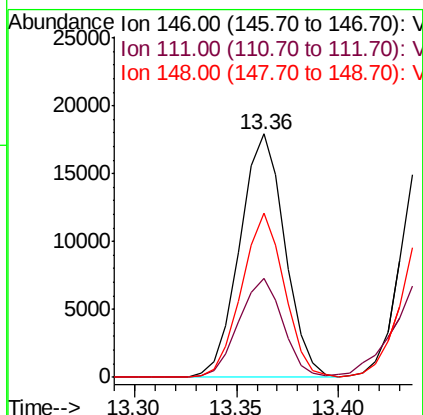
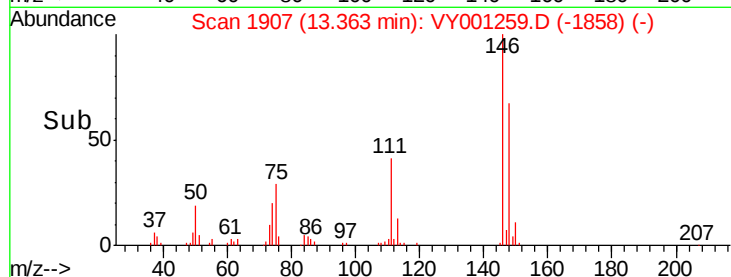
148 67.3 44.5 82.7



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



#65

1,4-Dichlorobenzene

Concen: 2.862 ug/L

RT: 13.44 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VY001259.D

Acq: 16 Jan 2020 12:17

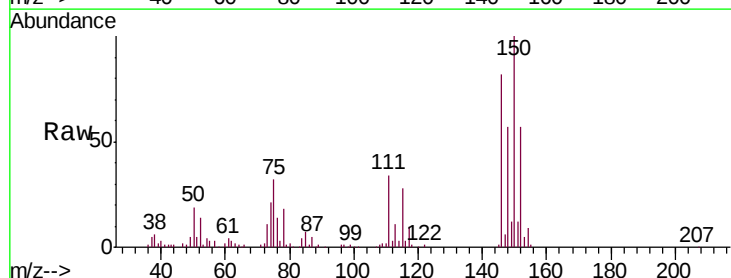
Tgt Ion:146 Resp: 27584

Ion Ratio Lower Upper

146 100

111 40.7 27.9 51.7

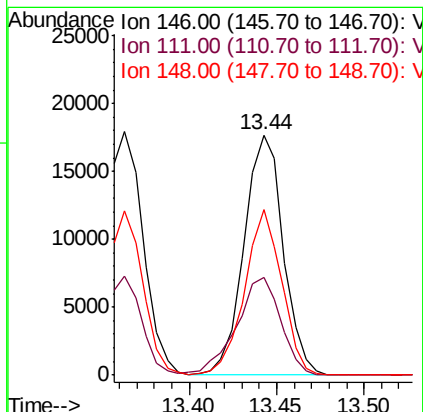
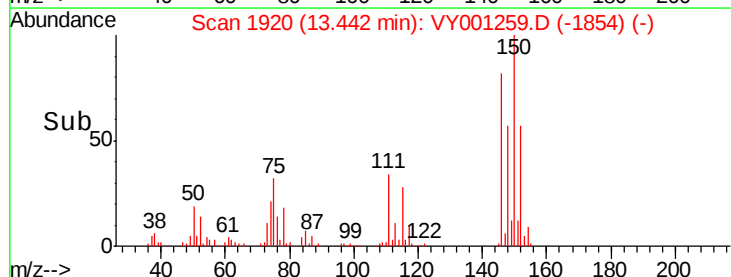
148 69.0 44.9 83.3

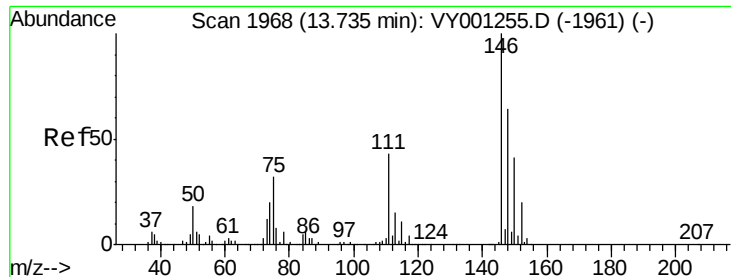


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

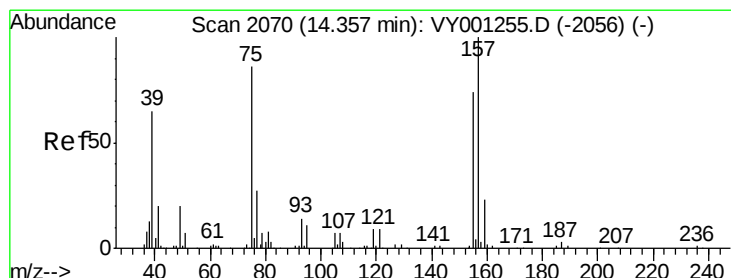
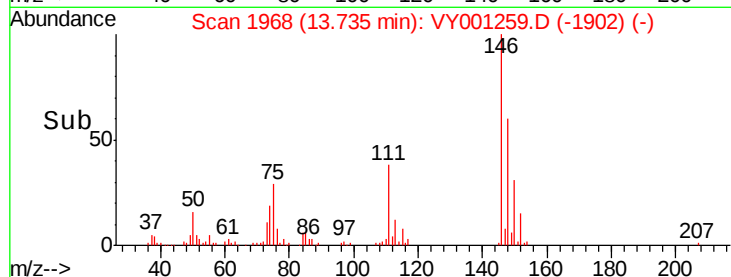
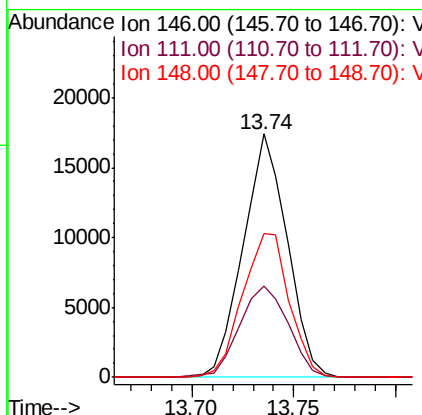
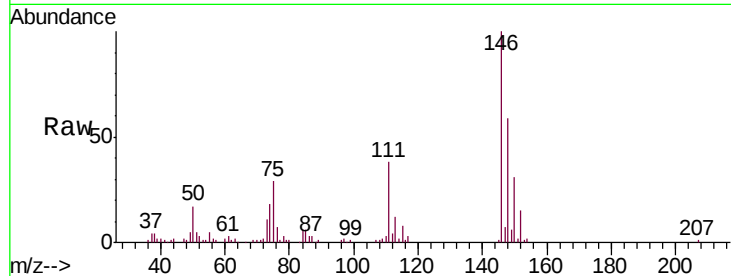




#67
 1,2-Dichlorobenzene
 Concen: 2.921 ug/L
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001259.D
 Acq: 16 Jan 2020 12:17

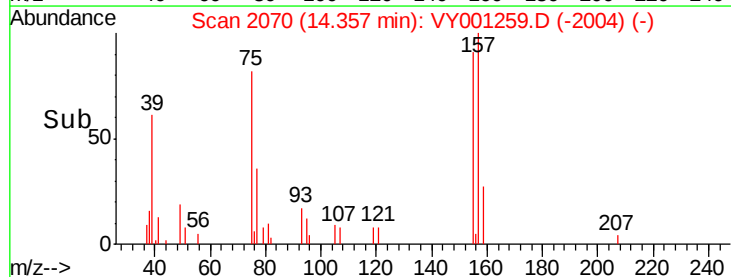
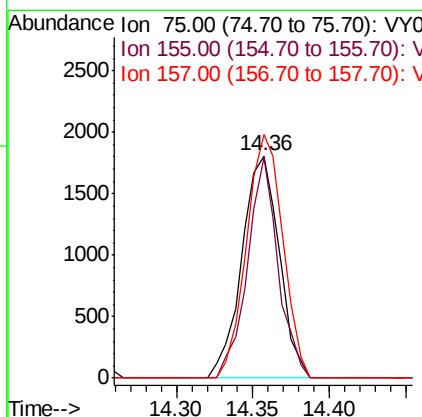
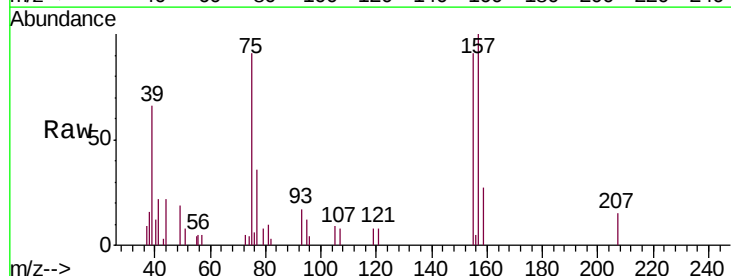
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5774

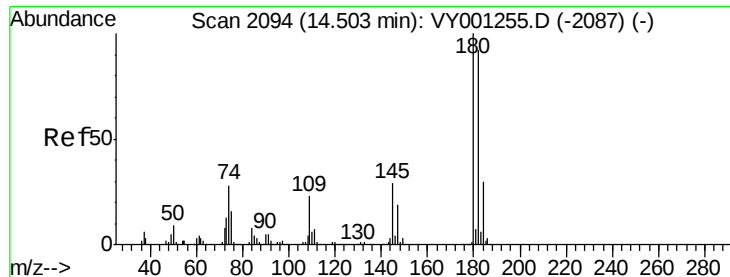
Tgt Ion: 146 Resp: 26121
 Ion Ratio Lower Upper
 146 100
 111 37.5 34.2 51.4
 148 59.2 51.4 77.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 3.067 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY001259.D
 Acq: 16 Jan 2020 12:17

Tgt Ion: 75 Resp: 3068
 Ion Ratio Lower Upper
 75 100
 155 99.4 68.4 102.6
 157 109.8 92.6 139.0

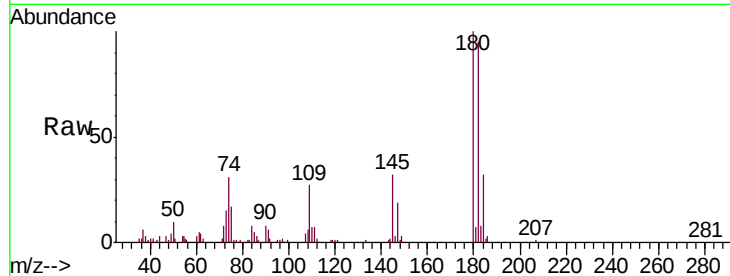




#69
 1,3,5-Trichlorobenzene
 Concen: 2.971 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY001259.D
 Acq: 16 Jan 2020 12:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5774

Tgt Ion:	180	Resp:	19498
Ion	Ratio	Lower	Upper
180	100		
182	97.8	75.0	112.6
184	31.5	23.9	35.9
145	31.2	24.2	36.4



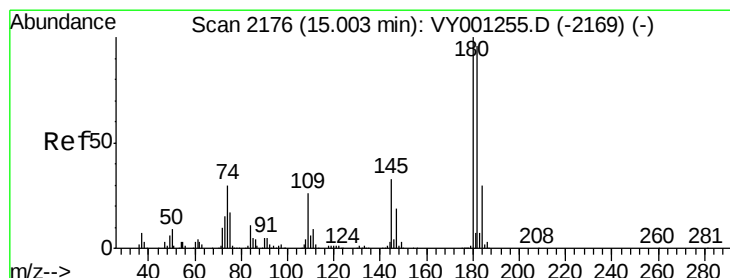
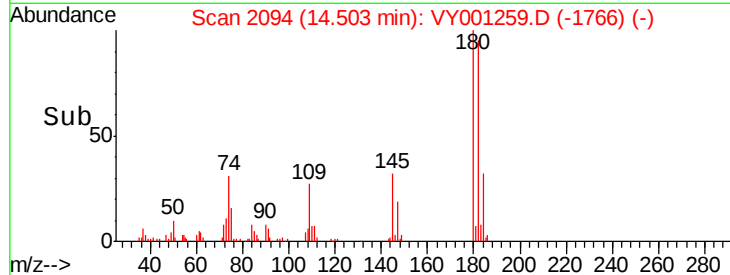
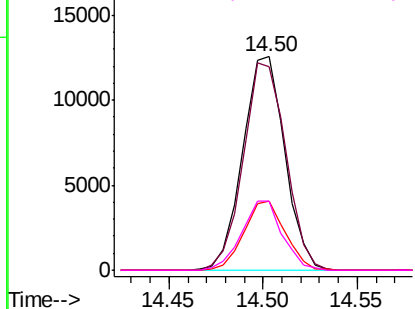
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

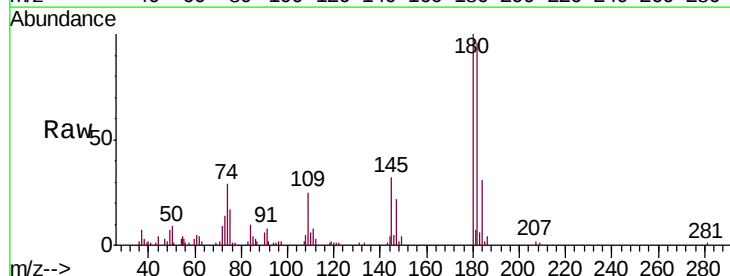
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 3.070 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001259.D
 Acq: 16 Jan 2020 12:17

Tgt Ion:	180	Resp:	18345
Ion	Ratio	Lower	Upper
180	100		
182	99.1	76.7	115.1
145	32.2	25.9	38.9

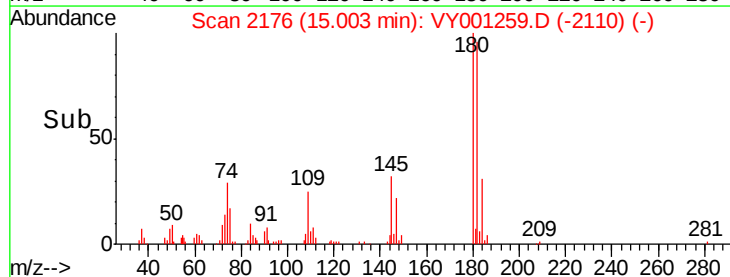
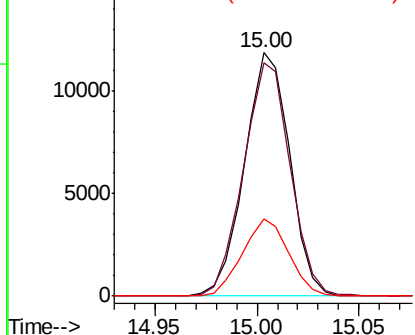


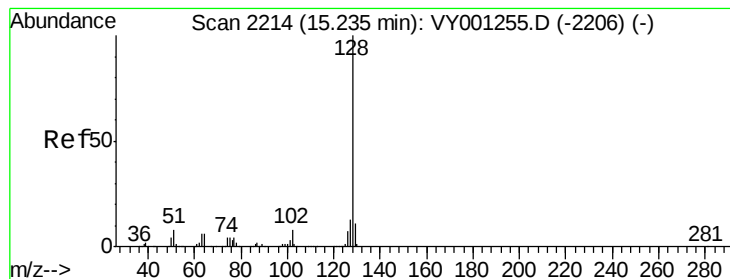
Abundance

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





#71

Naphthalene

Concen: 3.258 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY001259.D

Acq: 16 Jan 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5774

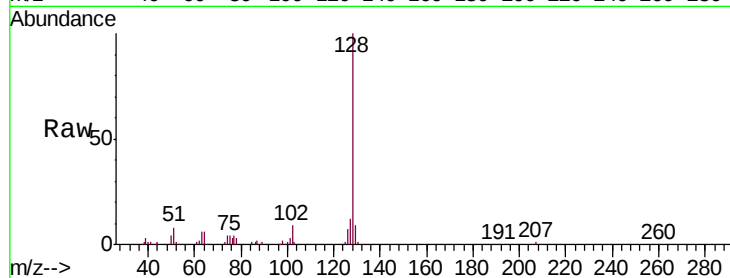
Tgt Ion:128 Resp: 51217

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

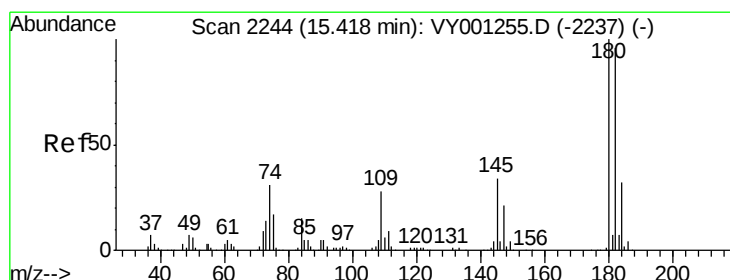
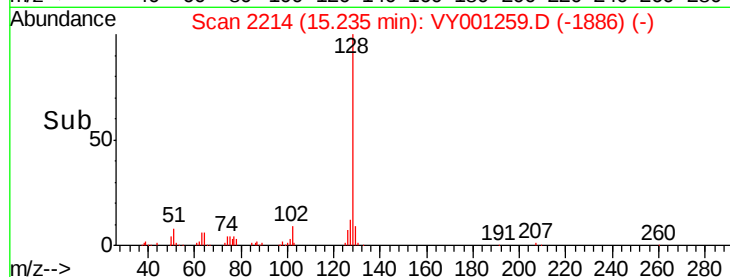
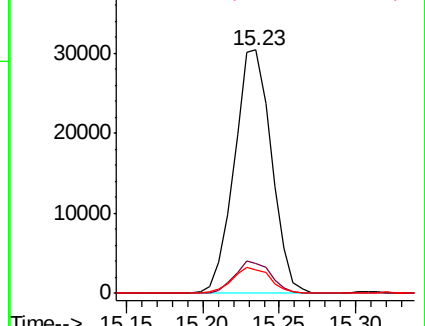
129 10.8 8.8 13.2



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: 3.164 ug/L

RT: 15.42 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VY001259.D

Acq: 16 Jan 2020 12:17

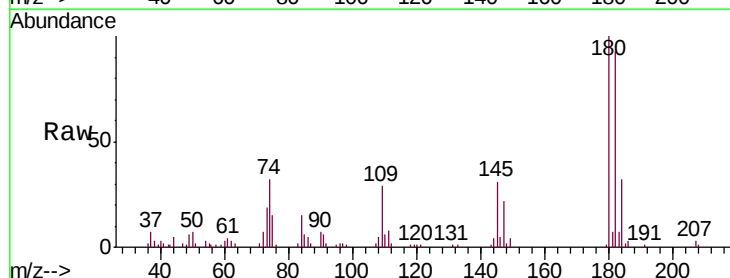
Tgt Ion:180 Resp: 17477

Ion Ratio Lower Upper

180 100

182 95.3 75.6 113.4

145 34.2 26.3 39.5



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

