

Data File : VY001261.D
Acq On : 16 Jan 2020 13:17
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VICV826

Quant Time: Jan 17 03:15:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL011620SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 17 03:10:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	323950	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	292793	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	140475	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	107528	24.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.64%
7) Chloroethane-d5	2.76	69	100652	25.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.88%
11) 1,1-Dichloroethene-d2	3.86	63	197461	25.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.56%
21) 2-Butanone-d5	6.89	46	110072	56.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.32%
24) Chloroform-d	7.49	84	196951	27.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.28%
26) 1,2-Dichloroethane-d4	8.14	65	115283	27.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.60%
32) Benzene-d6	8.11	84	429777	27.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.84%
36) 1,2-Dichloropropane-d6	9.13	67	135079	28.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.12%
41) Toluene-d8	10.18	98	396966	27.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.20%
43) trans-1,3-Dichloropropene-	10.44	79	66235	27.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.96%
47) 2-Hexanone-d5	10.79	63	94151	56.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.92%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	144451	27.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.52%
66) 1,2-Dichlorobenzene-d4	13.72	152	136799	27.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	126357	24.956	ug/L 100
3) Chloromethane	2.12	50	130832	23.652	ug/L 99
5) Vinyl chloride	2.26	62	152634	26.228	ug/L 99
6) Bromomethane	2.65	94	85029	25.112	ug/L 94
8) Chloroethane	2.80	64	78737	23.455	ug/L 97
9) Trichlorofluoromethane	3.13	101	152540	22.332	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	93074	21.947	ug/L 100
12) 1,1-Dichloroethene	3.88	96	96252	23.005	ug/L 97
13) Acetone	3.96	43	77798	34.395	ug/L 98
14) Carbon disulfide	4.20	76	328691	23.260	ug/L 100
15) Methyl Acetate	4.49	43	79928	22.866	ug/L 97
16) Methylene chloride	4.72	84	112351	20.760	ug/L 98
17) trans-1,2-Dichloroethene	5.23	96	106904	22.817	ug/L 97
18) Methyl tert-butyl Ether	5.23	73	291419	22.522	ug/L 100
19) 1,1-Dichloroethane	6.03	63	181100	22.639	ug/L 98
20) cis-1,2-Dichloroethene	7.00	96	119268	23.176	ug/L 94
22) 2-Butanone	6.99	43	116570	41.162	ug/L 99

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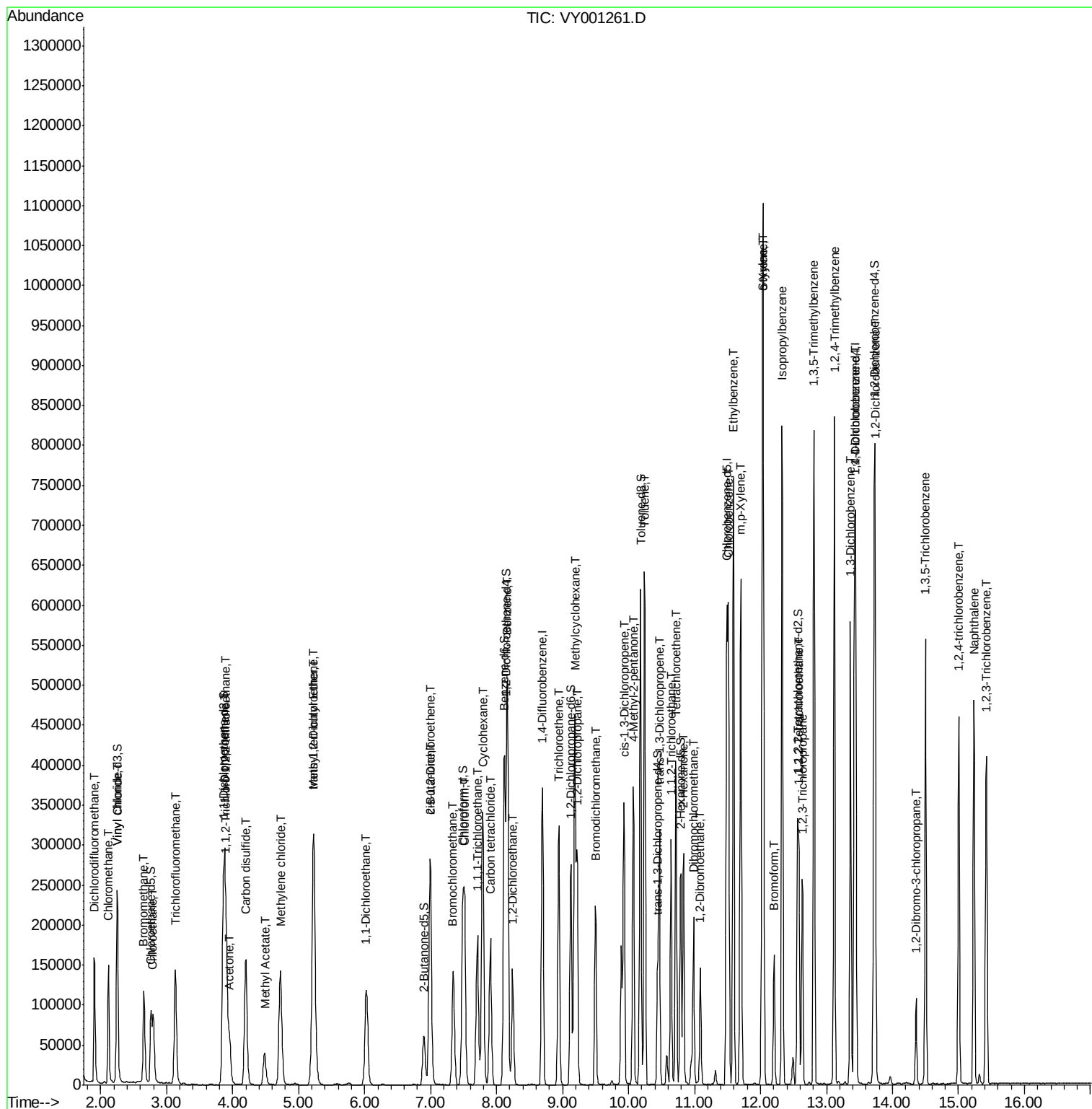
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	53667	23.590	ug/L	95
25) Chloroform	7.52	83	182915	23.109	ug/L	98
27) 1,2-Dichloroethane	8.24	62	128722	22.936	ug/L	99
29) Cyclohexane	7.79	56	184365	22.555	ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	155968	23.744	ug/L	99
31) Carbon tetrachloride	7.90	117	132923	22.945	ug/L	98
33) Benzene	8.16	78	434805	23.297	ug/L	100
34) Trichloroethene	8.94	95	109921	23.080	ug/L	97
35) Methylcyclohexane	9.19	83	197574	22.508	ug/L	100
37) 1,2-Dichloropropane	9.22	63	109926	23.377	ug/L	100
38) Bromodichloromethane	9.50	83	140112	23.276	ug/L	99
39) cis-1,3-Dichloropropene	9.93	75	185773	23.323	ug/L	98
40) 4-Methyl-2-pentanone	10.07	43	235945	46.216	ug/L	99
42) Toluene	10.24	91	462872	22.906	ug/L	98
44) trans-1,3-Dichloropropene	10.47	75	162293	23.950	ug/L	100
45) 1,1,2-Trichloroethane	10.64	97	93710	23.136	ug/L	96
46) Tetrachloroethene	10.72	164	85640	23.376	ug/L	93
48) 2-Hexanone	10.83	43	176355	45.036	ug/L	97
49) Dibromochloromethane	10.99	129	106526	24.334	ug/L	98
50) 1,2-Dibromoethane	11.09	107	94214	23.028	ug/L	99
51) Chlorobenzene	11.52	112	296145	23.130	ug/L	99
52) Ethylbenzene	11.59	91	528127	23.313	ug/L	99
53) m,p-Xylene	11.70	106	204182	23.198	ug/L	98
54) o-Xylene	12.03	106	193939	22.998	ug/L	99
55) Styrene	12.04	104	342177	23.180	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.58	83	134910	23.758	ug/L	99
59) Bromoform	12.20	173	69441	23.379	ug/L	99
60) Isopropylbenzene	12.33	105	511008	22.833	ug/L	100
61) 1,2,3-Trichloropropane	12.63	75	100898	23.099	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	428267	23.118	ug/L #	62
63) 1,2,4-Trimethylbenzene	13.12	105	432029	23.571	ug/L	99
64) 1,3-Dichlorobenzene	13.36	146	226744	22.841	ug/L	99
65) 1,4-Dichlorobenzene	13.44	146	228488	22.927	ug/L	99
67) 1,2-Dichlorobenzene	13.74	146	210588	22.918	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.36	75	25427	23.066	ug/L	92
69) 1,3,5-Trichlorobenzene	14.50	180	157254	23.055	ug/L	99
70) 1,2,4-trichlorobenzene	15.01	180	139967	22.522	ug/L	99
71) Naphthalene	15.23	128	389580	22.498	ug/L	100
72) 1,2,3-Trichlorobenzene	15.42	180	127471	21.987	ug/L	98

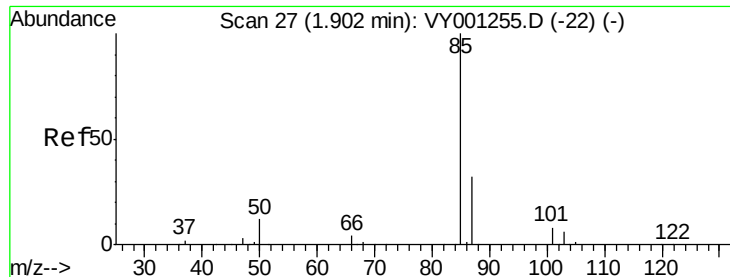
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.956 ug/L

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

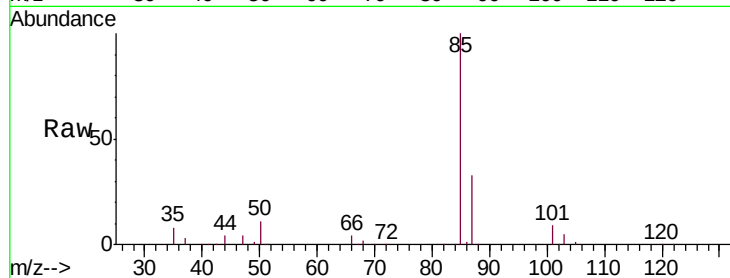
VICV826

Tgt Ion: 85 Resp: 126357

Ion Ratio Lower Upper

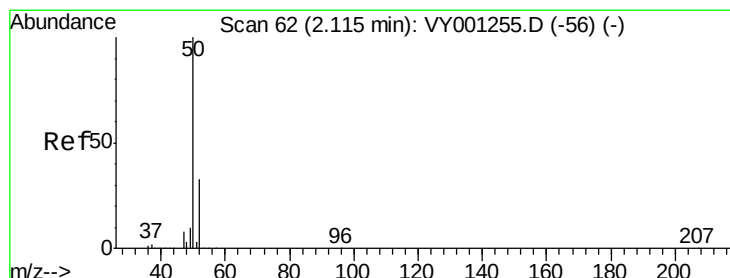
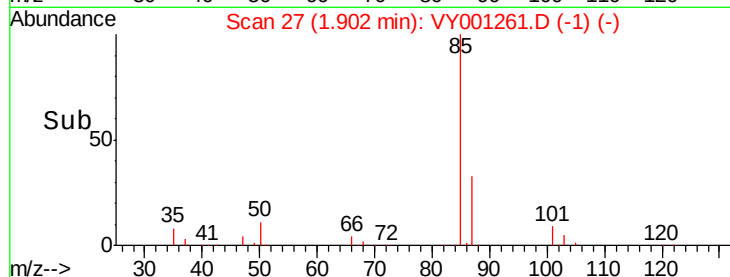
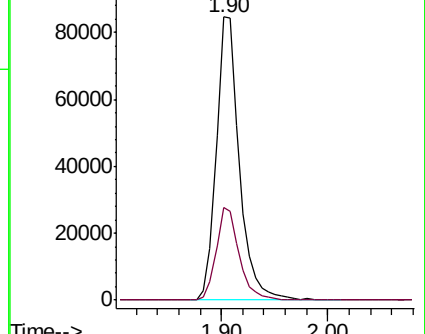
85 100

87 32.7 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 23.652 ug/L

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001261.D

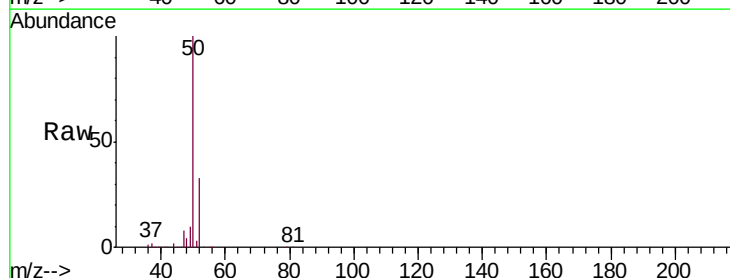
Acq: 16 Jan 2020 13:17

Tgt Ion: 50 Resp: 130832

Ion Ratio Lower Upper

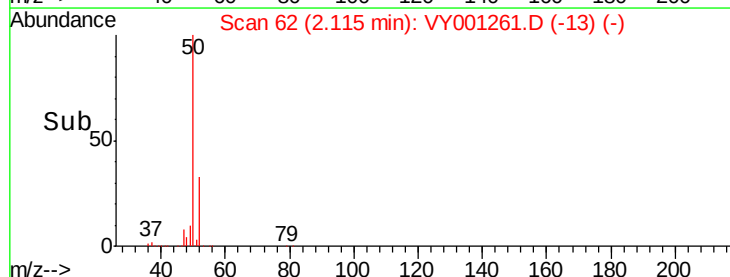
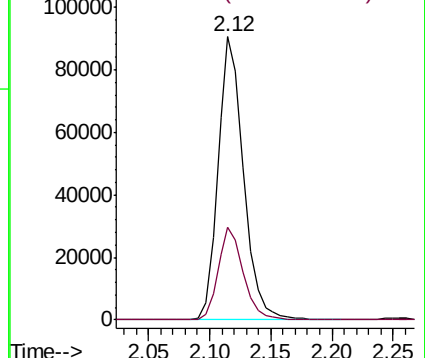
50 100

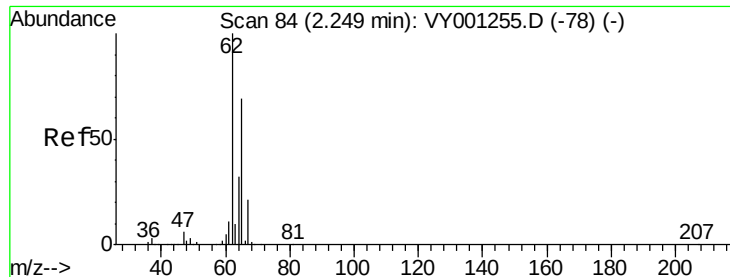
52 32.6 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 26.228 ug/L

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

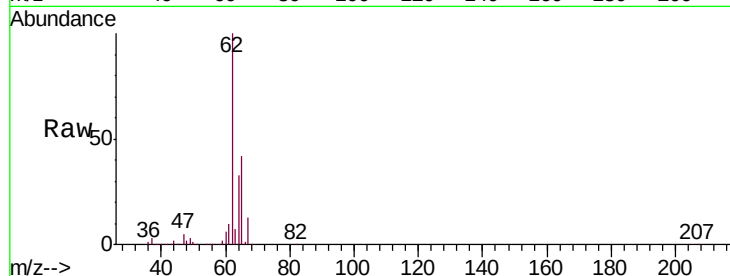
VICV826

Tgt Ion: 62 Resp: 152634

Ion Ratio Lower Upper

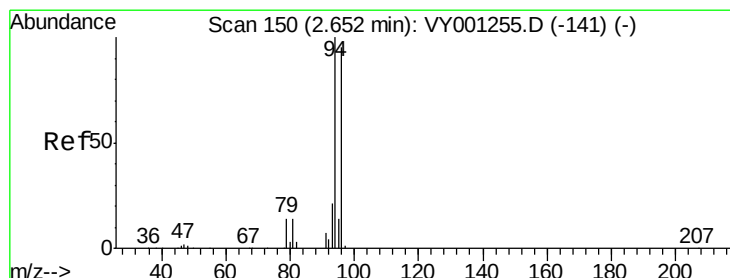
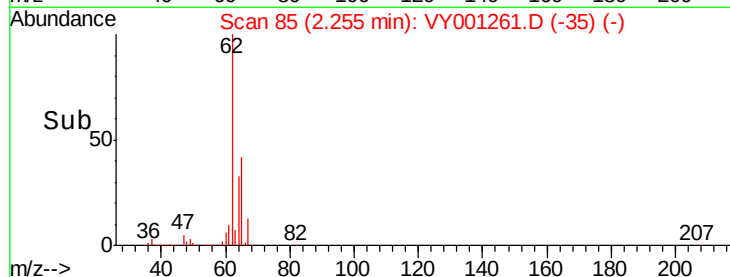
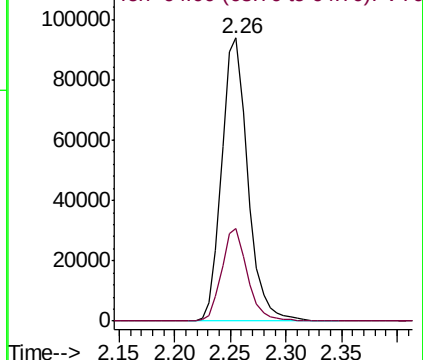
62 100

64 33.0 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 25.112 ug/L

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY001261.D

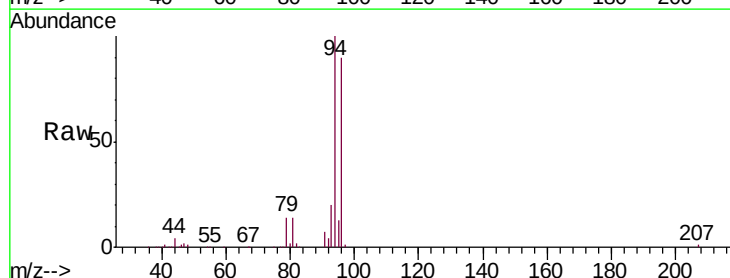
Acq: 16 Jan 2020 13:17

Tgt Ion: 94 Resp: 85029

Ion Ratio Lower Upper

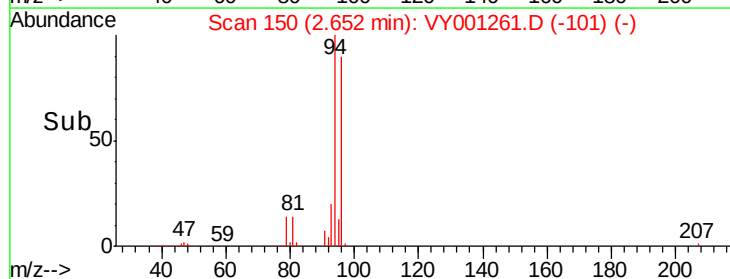
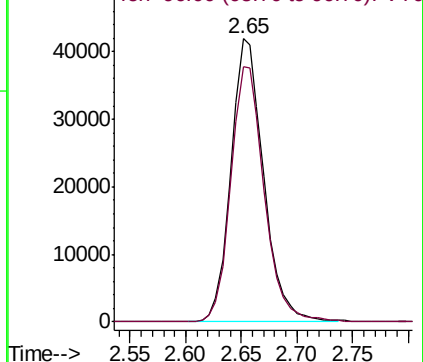
94 100

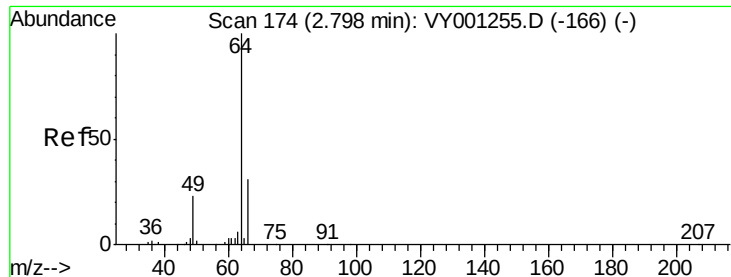
96 90.2 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

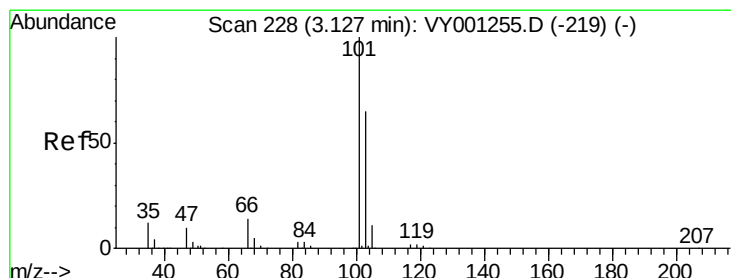
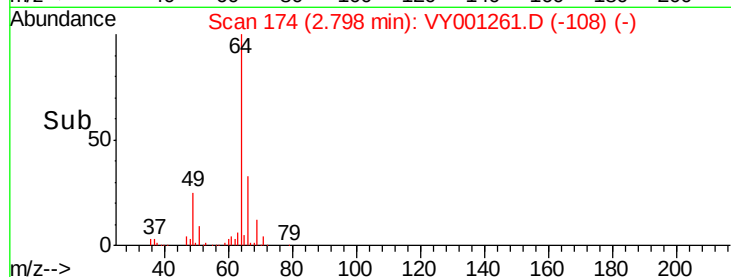
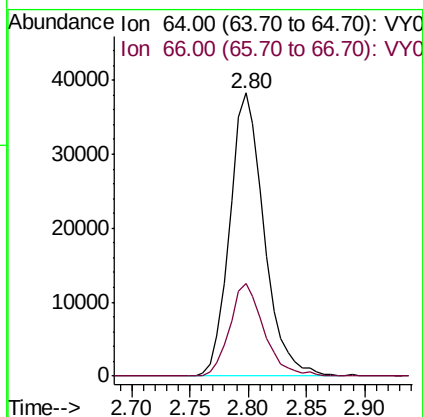
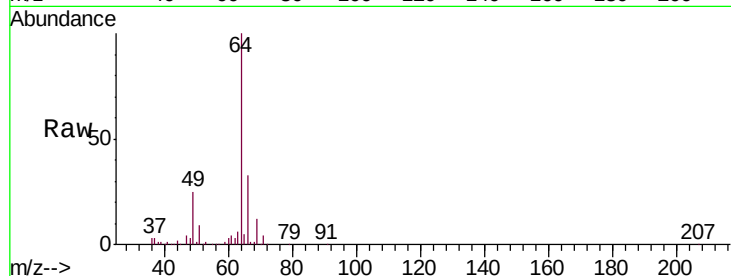




#8
Chloroethane
Concen: 23.455 ug/L
RT: 2.80 min Scan# 174
Delta R.T. -0.00 min
Lab File: VY001261.D
Acq: 16 Jan 2020 13:17

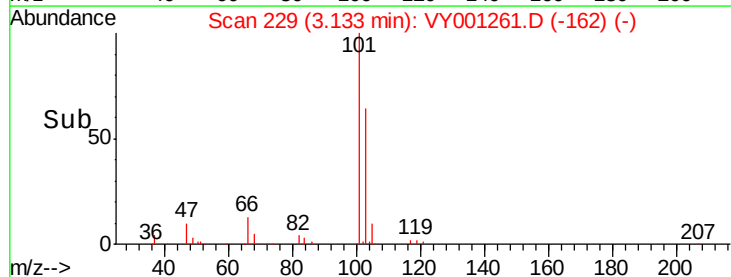
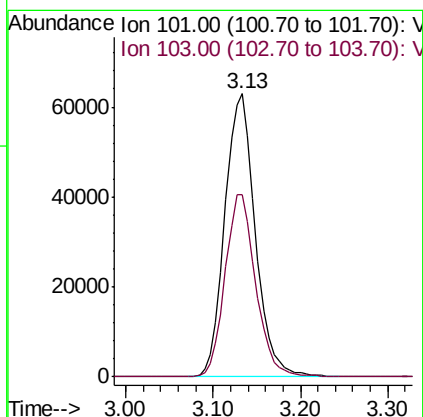
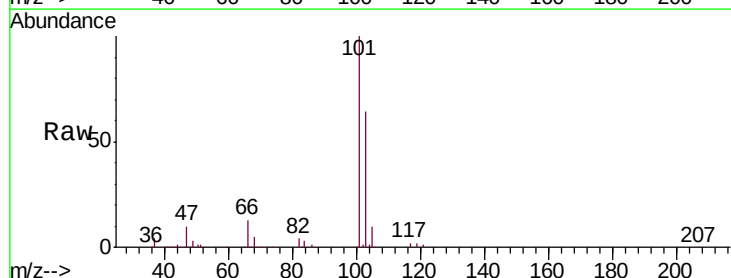
Instrument :
MSVOA_Y
ClientSampleId :
VICV826

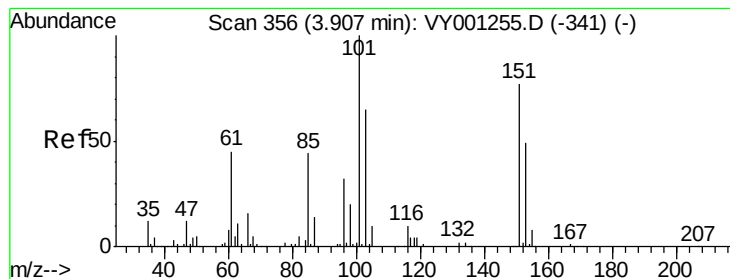
Tgt Ion: 64 Resp: 78737
Ion Ratio Lower Upper
64 100
66 32.6 21.7 40.3



#9
Trichlorofluoromethane
Concen: 22.332 ug/L
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY001261.D
Acq: 16 Jan 2020 13:17

Tgt Ion: 101 Resp: 152540
Ion Ratio Lower Upper
101 100
103 64.8 51.7 77.5





#10

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

Concen: 21.947 ug/L

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VICV826

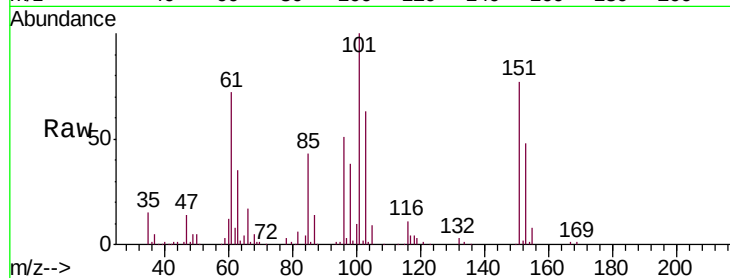
Tgt Ion:101 Resp: 93074

Ion Ratio Lower Upper

101 100

85 43.2 34.8 52.2

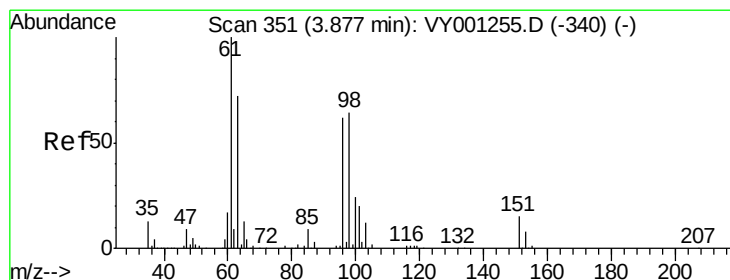
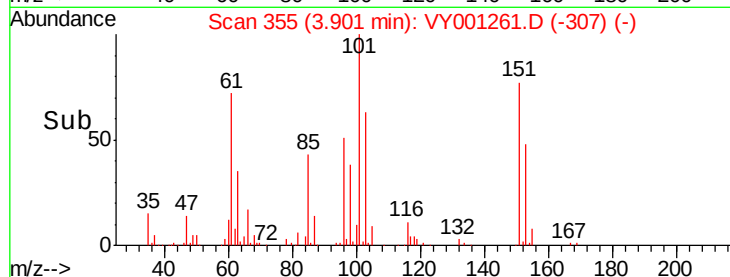
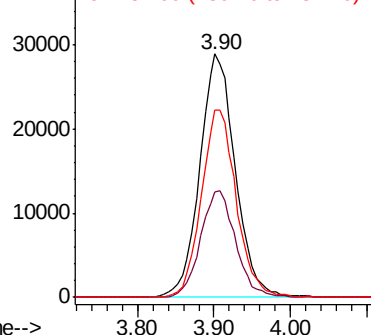
151 75.7 60.7 91.1



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

Ion 85.00 (84.70 to 85.70): VY001255.D (-341) (-)

Ion 151.00 (150.70 to 151.70): VY001255.D (-341) (-)



#12

1,1-Dichloroethene

Concen: 23.005 ug/L

RT: 3.88 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

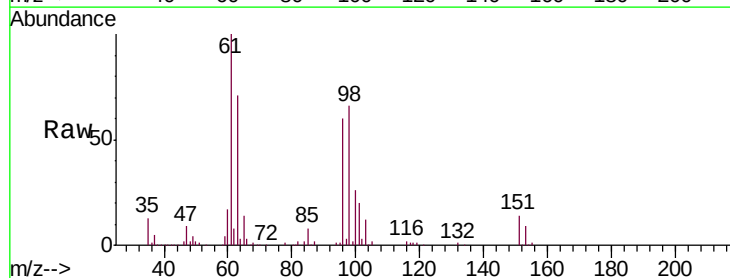
Tgt Ion: 96 Resp: 96252

Ion Ratio Lower Upper

96 100

61 165.7 112.9 209.7

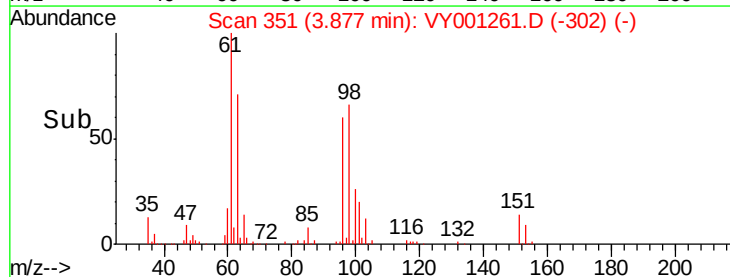
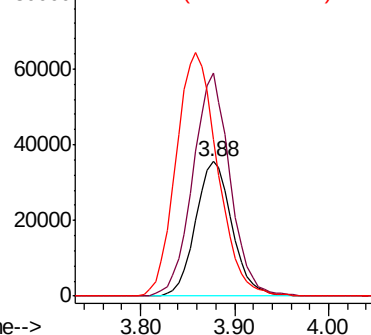
63 116.8 84.6 157.0

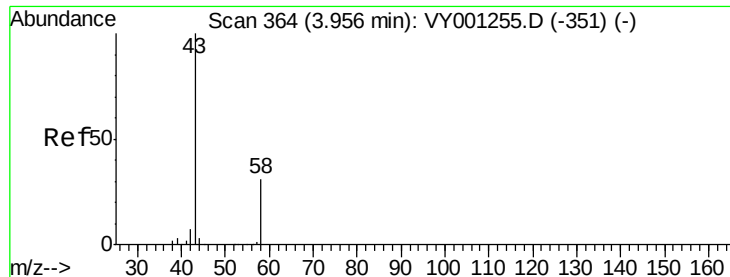


Abundance Ion 96.00 (95.70 to 96.70): VY001255.D (-340) (-)

Ion 61.00 (60.70 to 61.70): VY001255.D (-340) (-)

Ion 63.00 (62.70 to 63.70): VY001255.D (-340) (-)





#13

Acetone

Concen: 34.395 ug/L

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

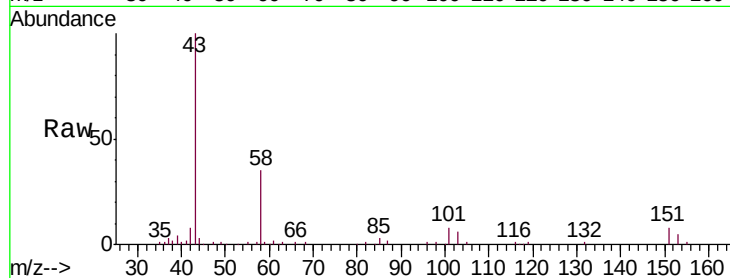
VICV826

Tgt Ion: 43 Resp: 77798

Ion Ratio Lower Upper

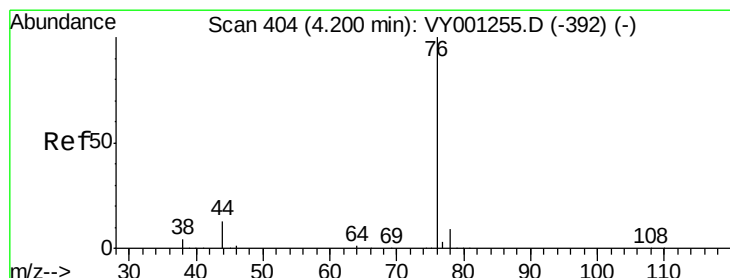
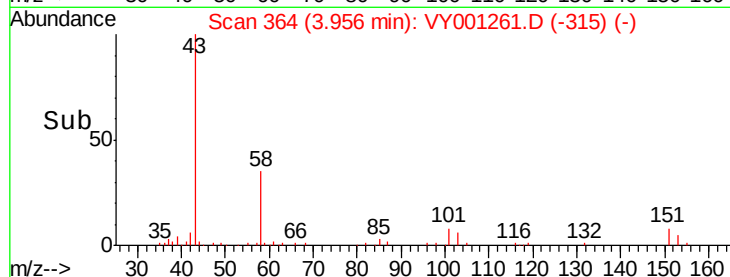
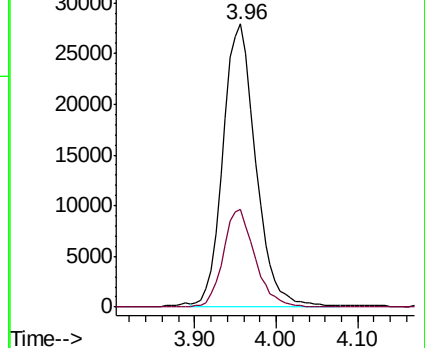
43 100

58 33.4 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 23.260 ug/L

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY001261.D

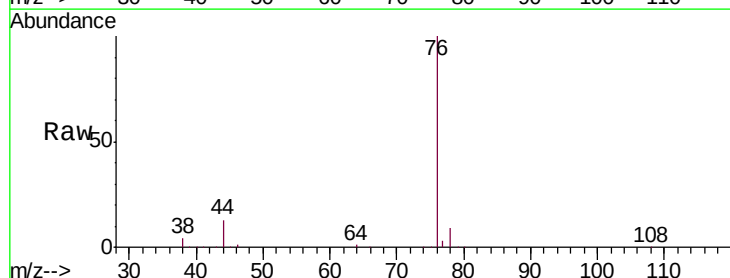
Acq: 16 Jan 2020 13:17

Tgt Ion: 76 Resp: 328691

Ion Ratio Lower Upper

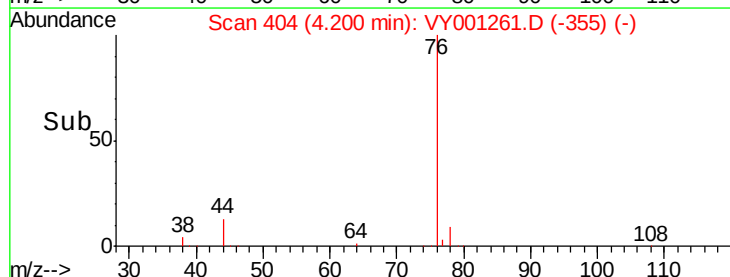
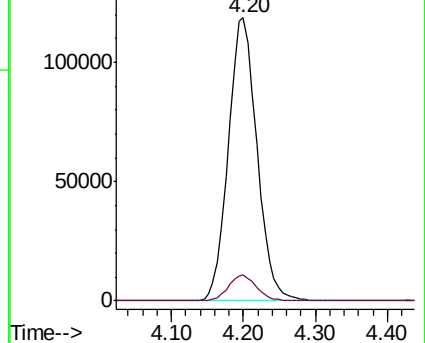
76 100

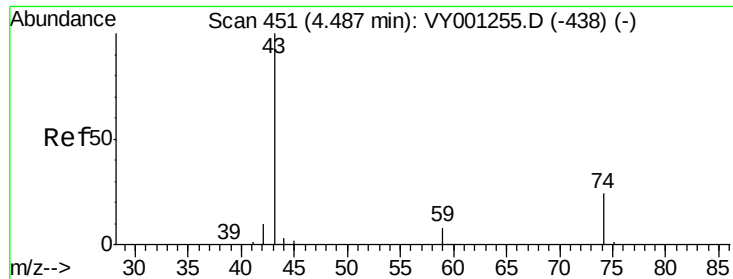
78 9.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

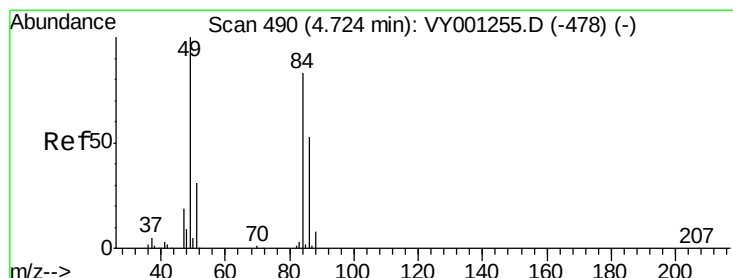
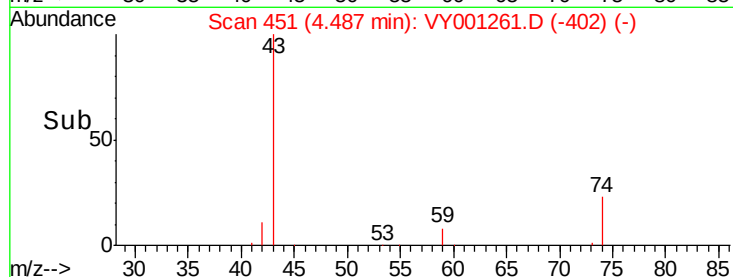
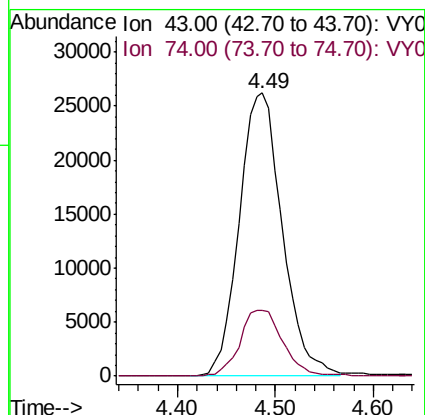
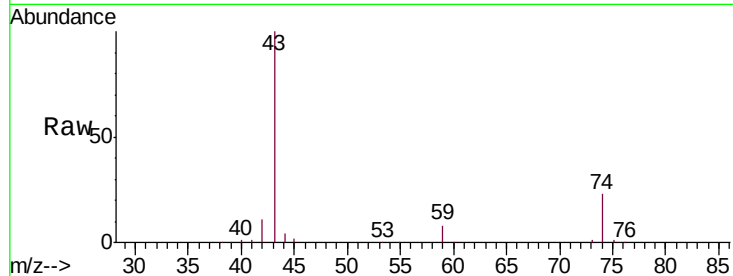




#15
Methyl Acetate
Concen: 22.866 ug/L
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY001261.D
Acq: 16 Jan 2020 13:17

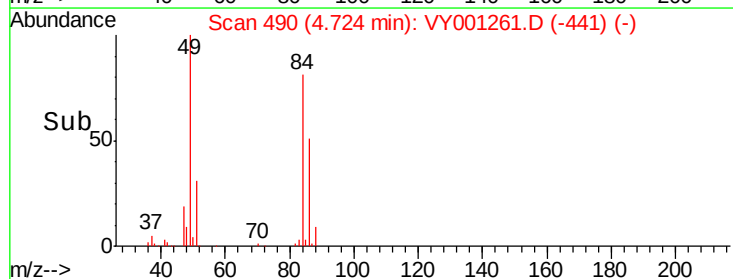
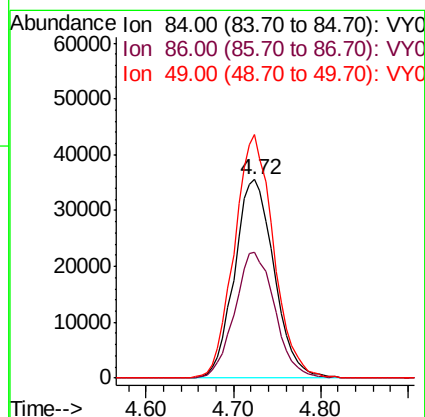
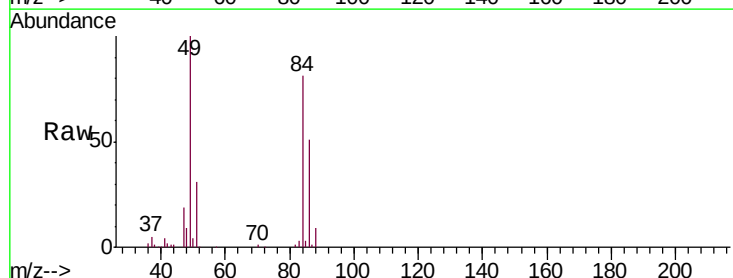
Instrument :
MSVOA_Y
ClientSampled :
VICV826

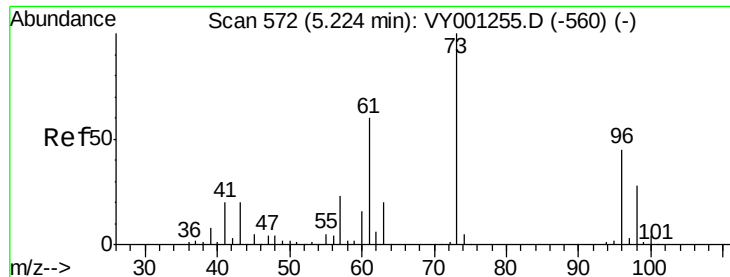
Tgt Ion: 43 Resp: 79928
Ion Ratio Lower Upper
43 100
74 23.1 19.4 29.2



#16
Methylene chloride
Concen: 20.760 ug/L
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY001261.D
Acq: 16 Jan 2020 13:17

Tgt Ion: 84 Resp: 112351
Ion Ratio Lower Upper
84 100
86 63.1 44.6 82.8
49 122.8 84.4 156.7





#17

trans-1,2-Dichloroethene

Concen: 22.817 ug/L

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VICV826

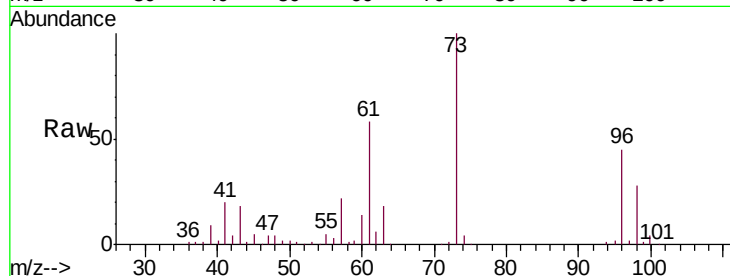
Tgt Ion: 96 Resp: 106904

Ion Ratio Lower Upper

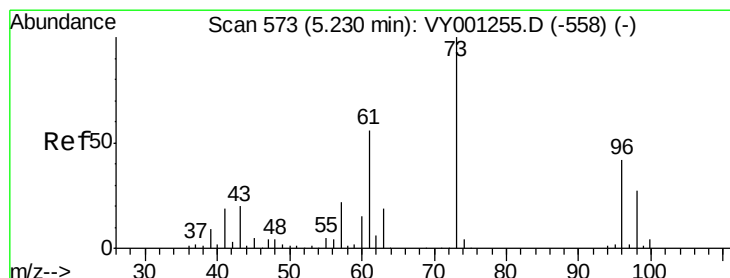
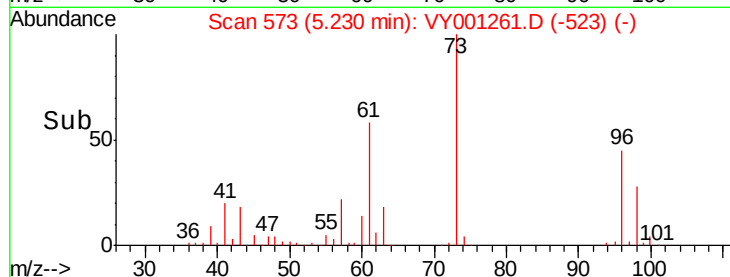
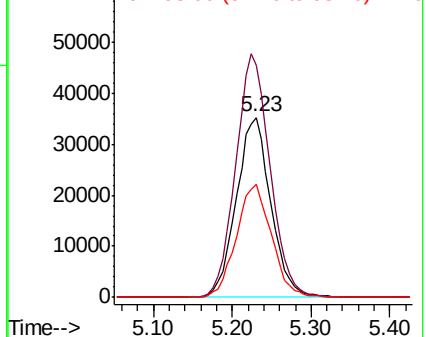
96 100

61 128.5 93.2 173.0

98 62.5 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: 22.522 ug/L

RT: 5.23 min Scan# 573

Delta R.T. -0.00 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

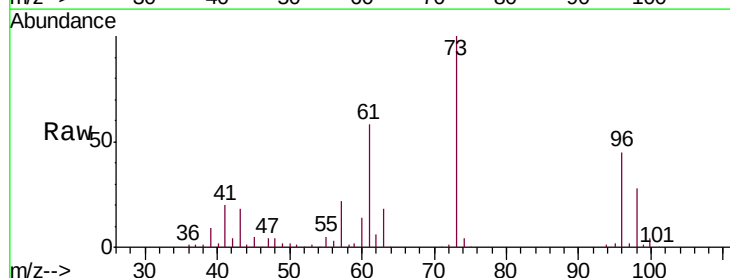
Tgt Ion: 73 Resp: 291419

Ion Ratio Lower Upper

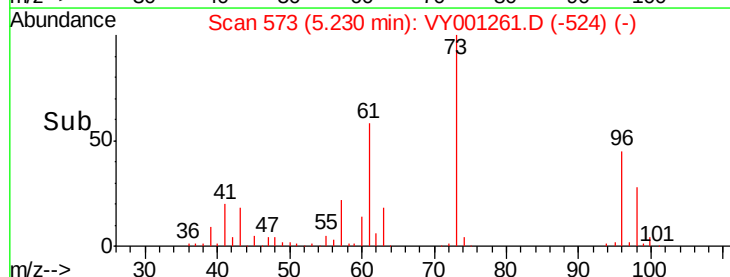
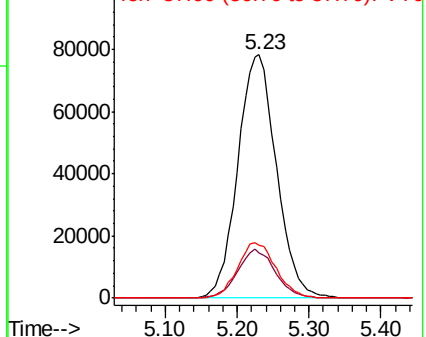
73 100

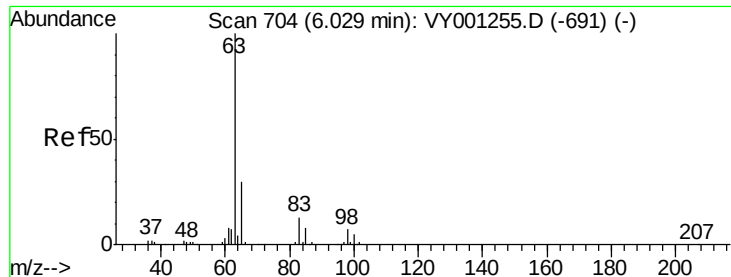
43 19.7 15.8 23.6

57 22.6 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

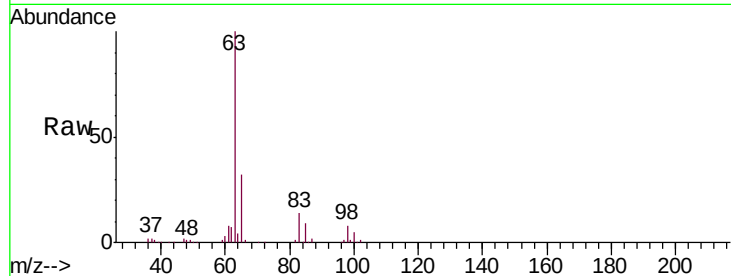




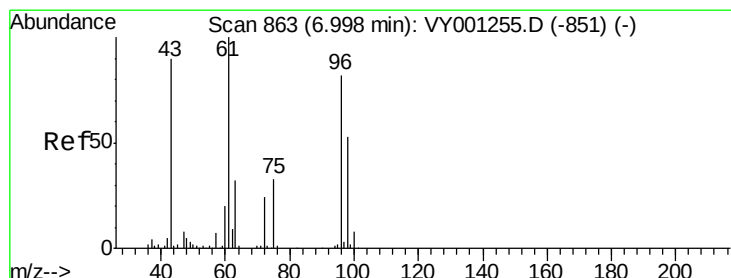
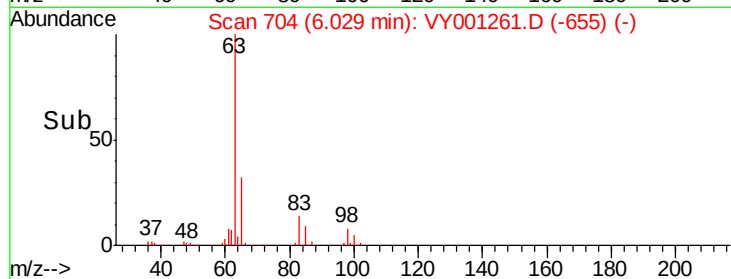
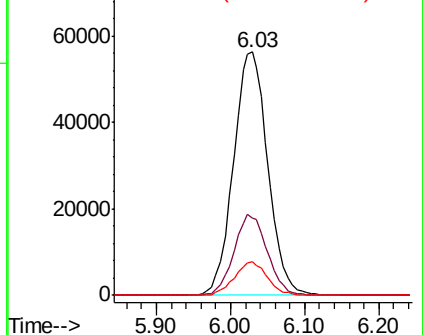
#19
 1,1-Dichloroethane
 Concen: 22.639 ug/L
 RT: 6.03 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: VY001261.D
 Acq: 16 Jan 2020 13:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV826

Tgt Ion: 63 Resp: 181100
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.2 39.4
 83 13.6 9.4 17.4

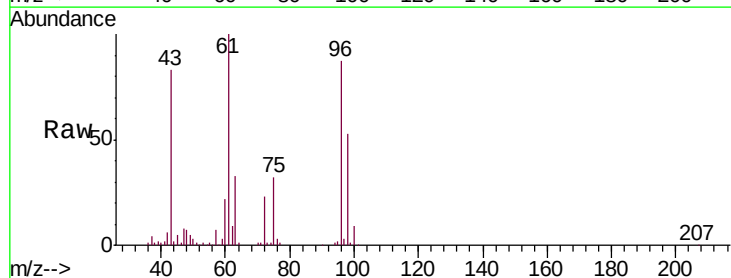


Abundance Ion 63.00 (62.70 to 63.70): VY0
 Ion 65.00 (64.70 to 65.70): VY0
 Ion 83.00 (82.70 to 83.70): VY0

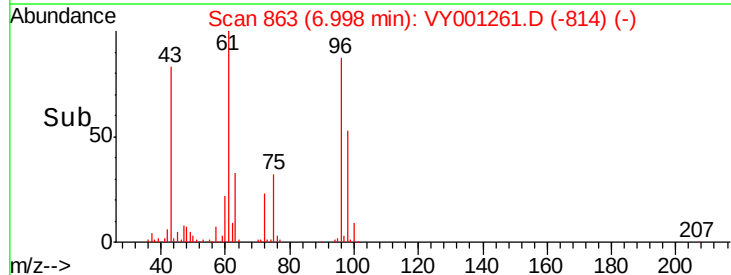
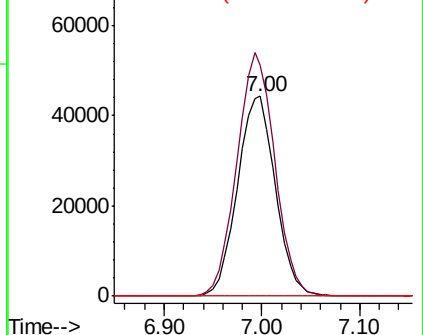


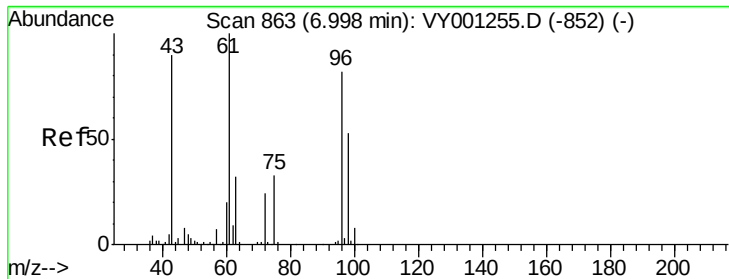
#20
 cis-1,2-Dichloroethene
 Concen: 23.176 ug/L
 RT: 7.00 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VY001261.D
 Acq: 16 Jan 2020 13:17

Tgt Ion: 96 Resp: 119268
 Ion Ratio Lower Upper
 96 100
 61 115.4 85.8 159.4
 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: 41.162 ug/L

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

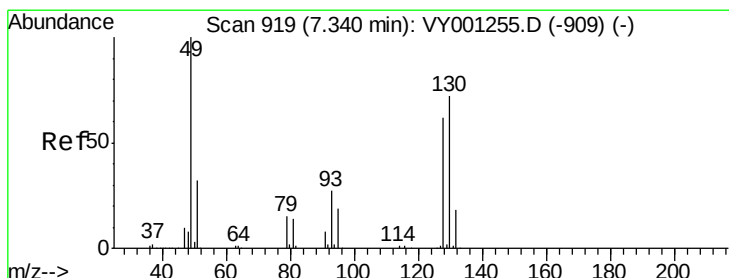
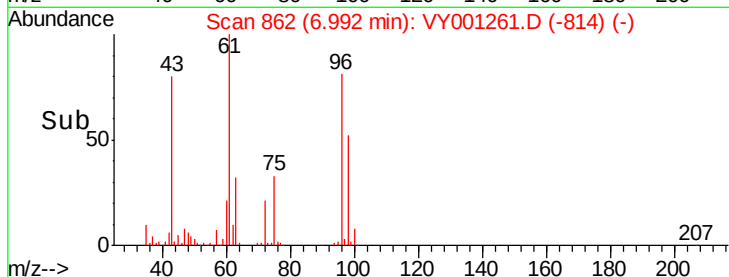
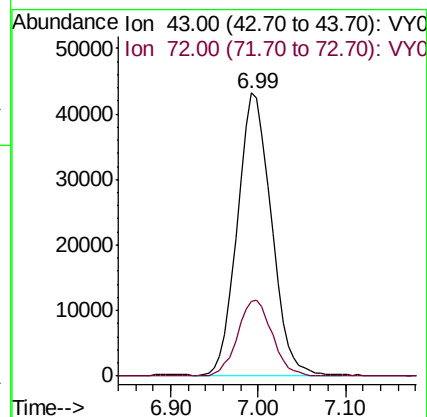
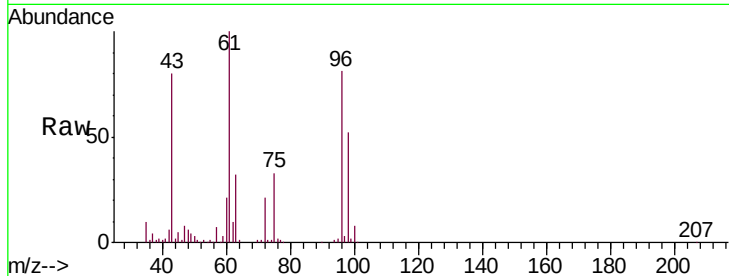
VICV826

Tgt Ion: 43 Resp: 116570

Ion Ratio Lower Upper

43 100

72 27.5 13.5 40.5



#23

Bromochloromethane

Concen: 23.590 ug/L

RT: 7.34 min Scan# 919

Delta R.T. -0.00 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

Tgt Ion:128 Resp: 53667

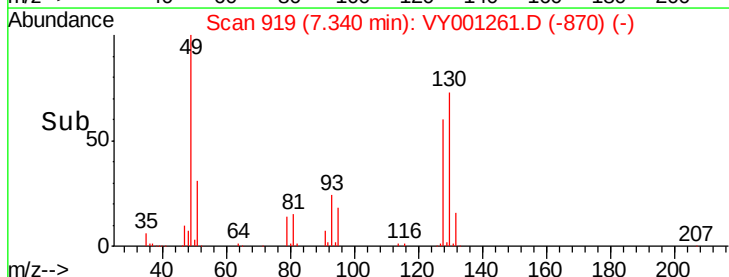
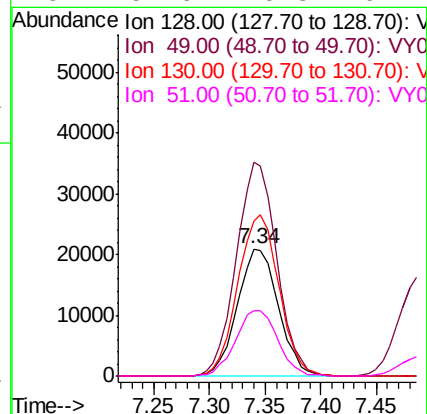
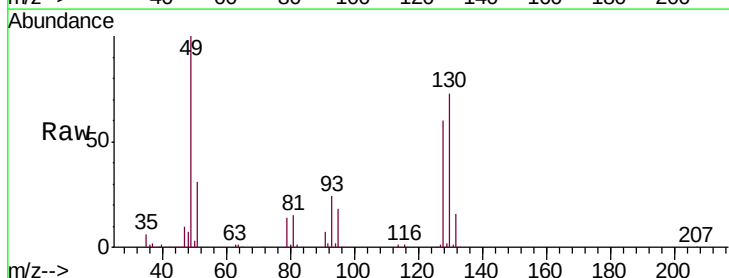
Ion Ratio Lower Upper

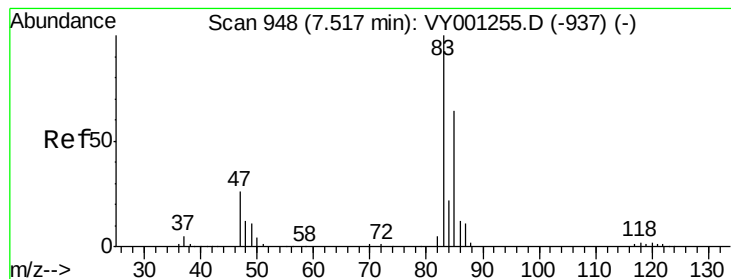
128 100

49 167.7 112.3 208.5

130 122.0 81.3 151.1

51 51.6 40.8 61.2





#25

Chloroform

Concen: 23.109 ug/L

RT: 7.52 min Scan# 948

Delta R.T. -0.00 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

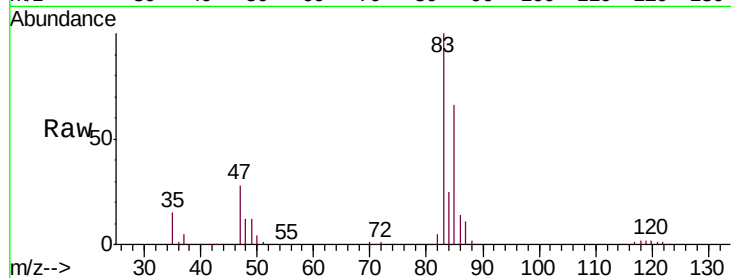
VICV826

Tgt Ion: 83 Resp: 182915

Ion Ratio Lower Upper

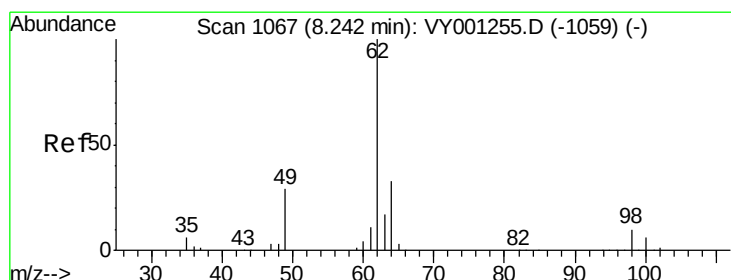
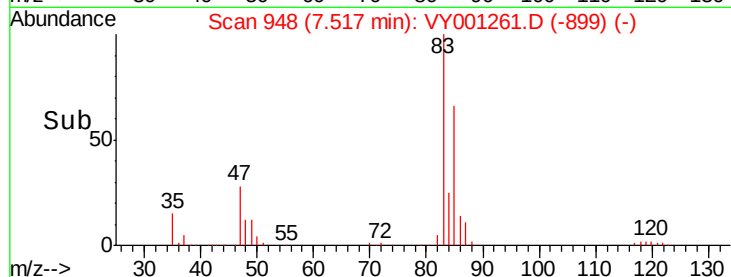
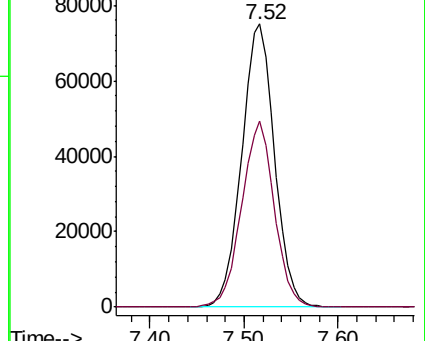
83 100

85 65.6 44.7 82.9



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 22.936 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY001261.D

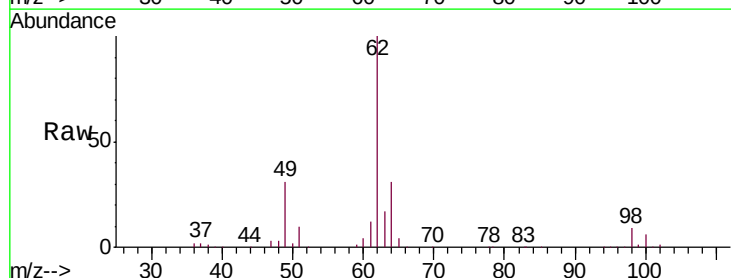
Acq: 16 Jan 2020 13:17

Tgt Ion: 62 Resp: 128722

Ion Ratio Lower Upper

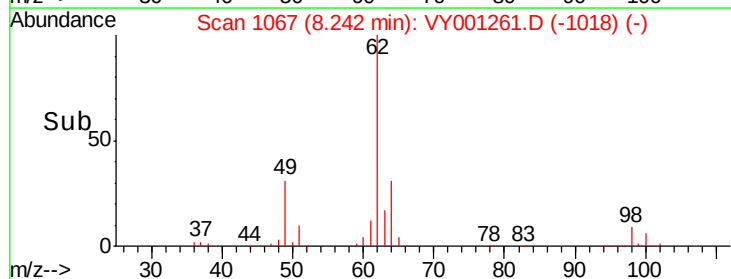
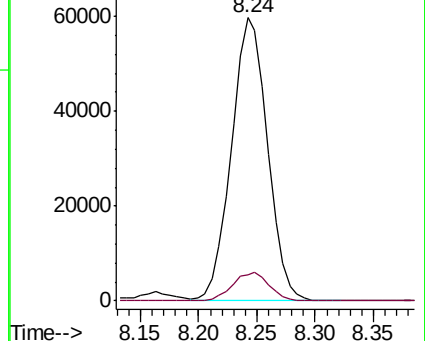
62 100

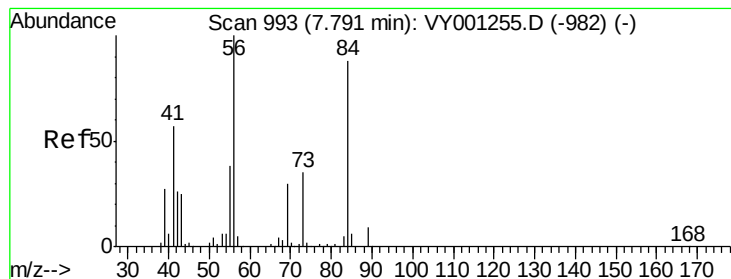
98 9.4 7.9 11.9



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#29

Cyclohexane

Concen: 22.555 ug/L

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VICV826

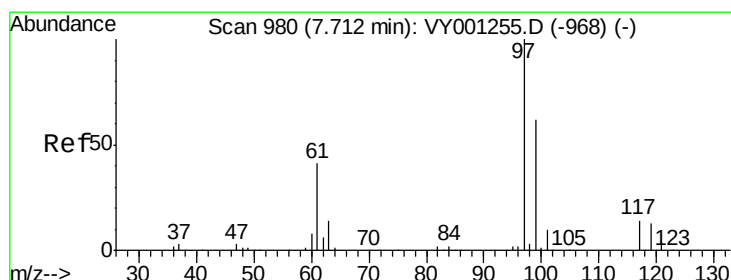
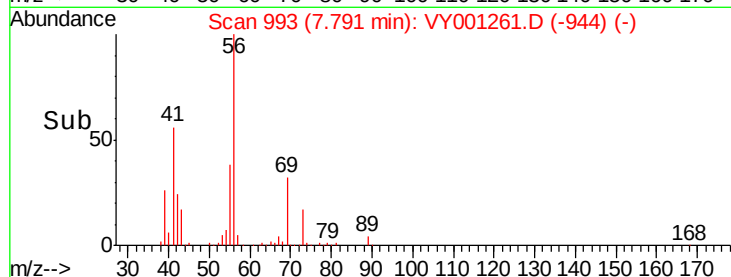
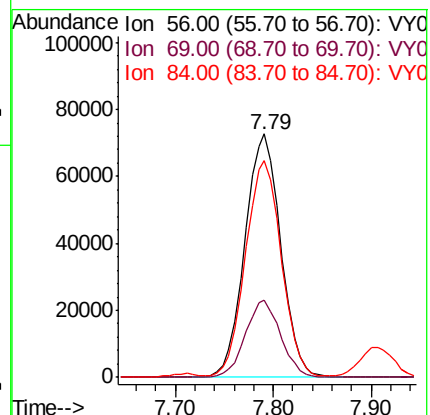
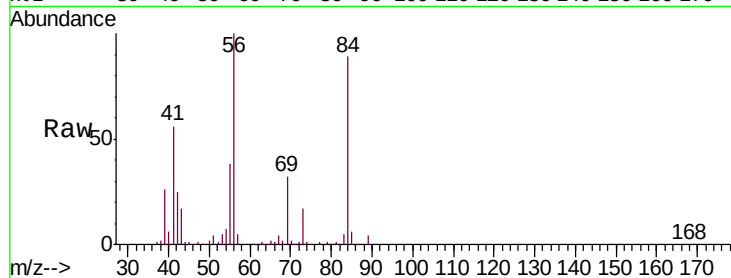
Tgt Ion: 56 Resp: 184365

Ion Ratio Lower Upper

56 100

69 31.1 24.8 37.2

84 89.9 70.8 106.2



#30

1,1,1-Trichloroethane

Concen: 23.744 ug/L

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

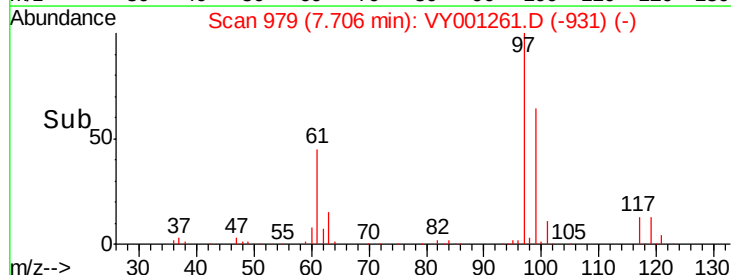
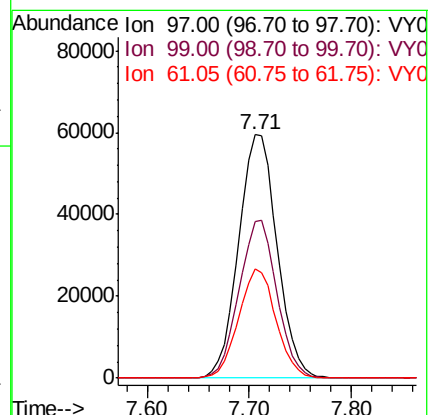
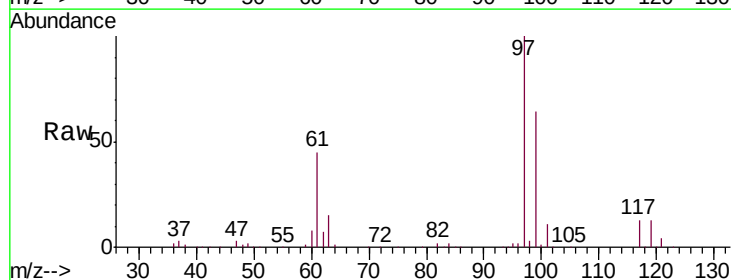
Tgt Ion: 97 Resp: 155968

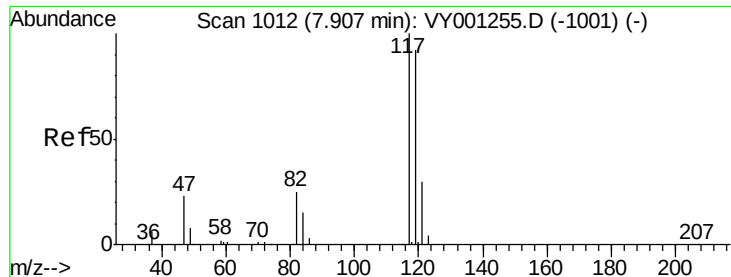
Ion Ratio Lower Upper

97 100

99 63.4 51.5 77.3

61 43.6 35.2 52.8





#31

Carbon tetrachloride

Concen: 22.945 ug/L

RT: 7.90 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

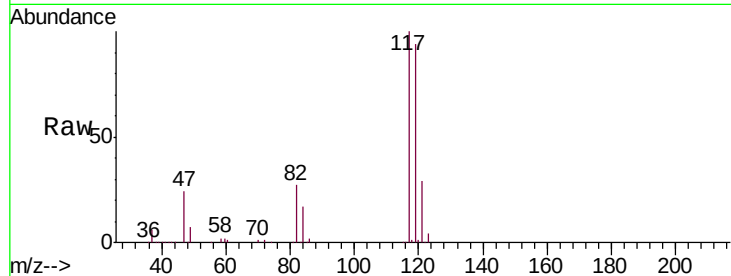
VICV826

Tgt Ion:117 Resp: 132923

Ion Ratio Lower Upper

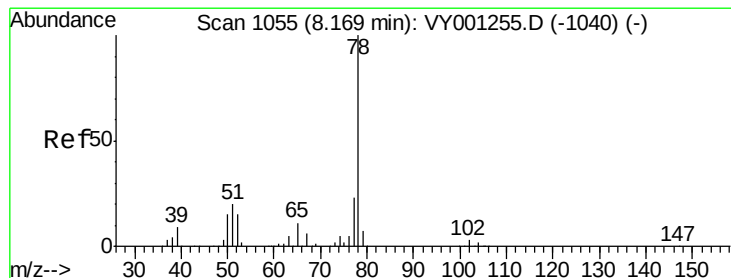
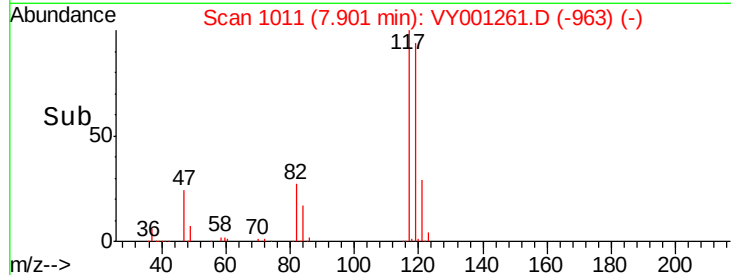
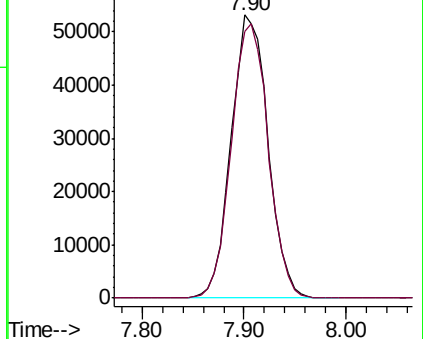
117 100

119 97.4 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: 23.297 ug/L

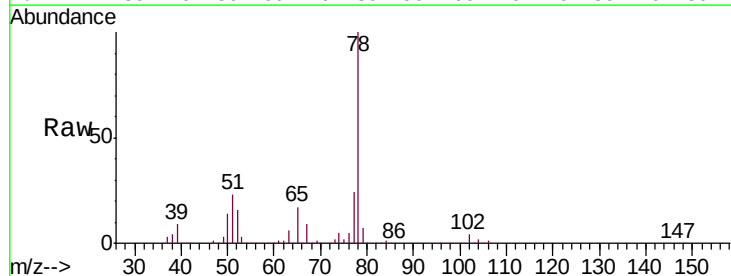
RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

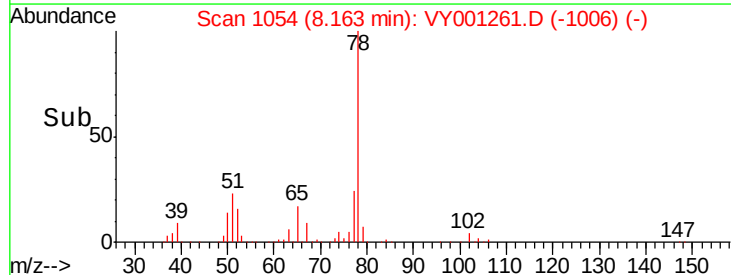
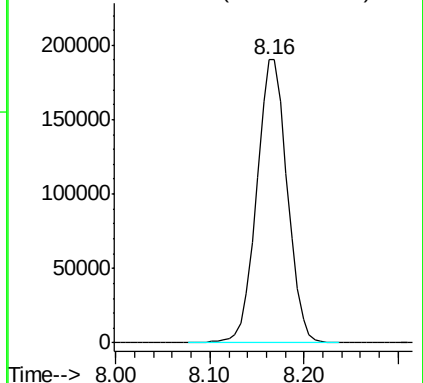
Lab File: VY001261.D

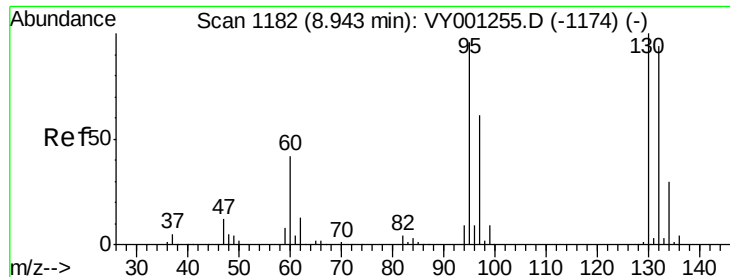
Acq: 16 Jan 2020 13:17

Tgt Ion: 78 Resp: 434805



Abundance Ion 78.00 (77.70 to 78.70): VY0





#34

Trichloroethene

Concen: 23.080 ug/L

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VICV826

Tgt Ion: 95 Resp: 109921

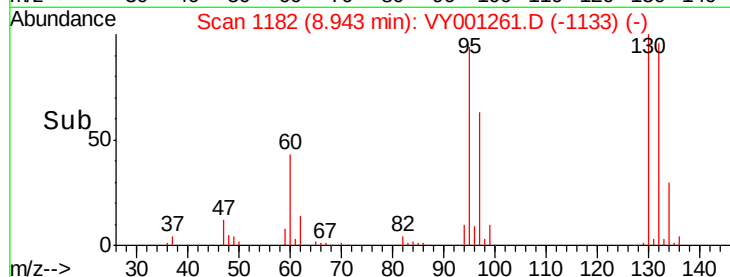
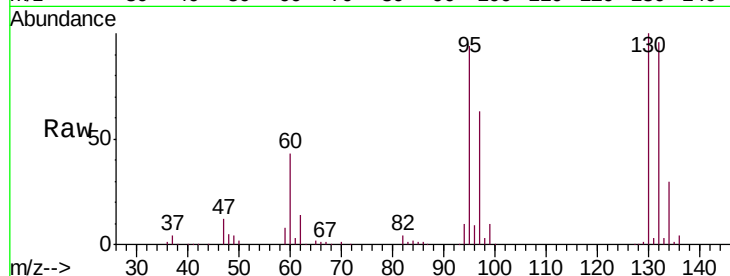
Ion Ratio Lower Upper

95 100

97 67.2 44.4 82.4

132 102.1 68.8 127.8

130 106.1 72.9 135.3

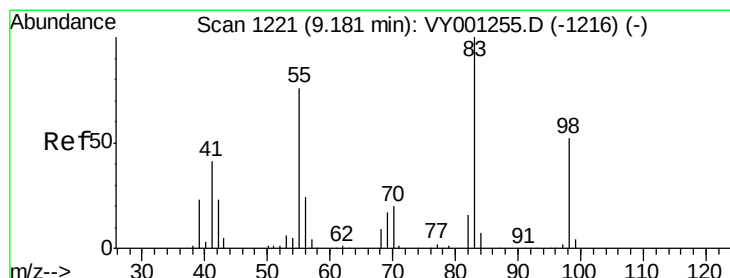
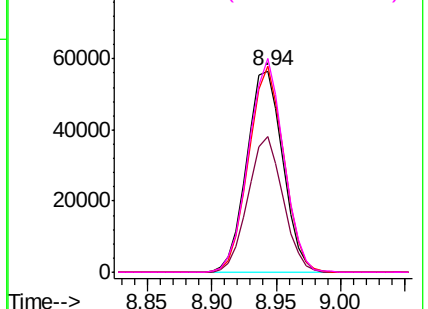


Abundance Ion 95.00 (94.70 to 95.70): VY0

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: 22.508 ug/L

RT: 9.19 min Scan# 1222

Delta R.T. 0.01 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

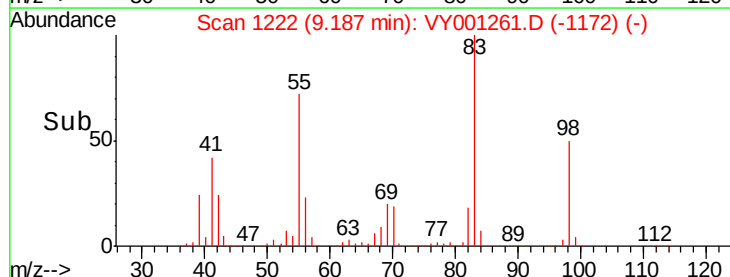
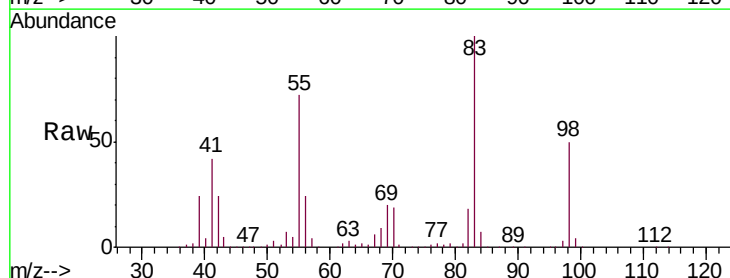
Tgt Ion: 83 Resp: 197574

Ion Ratio Lower Upper

83 100

55 74.9 59.8 89.6

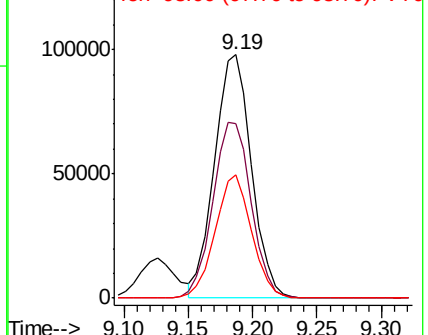
98 49.9 40.1 60.1

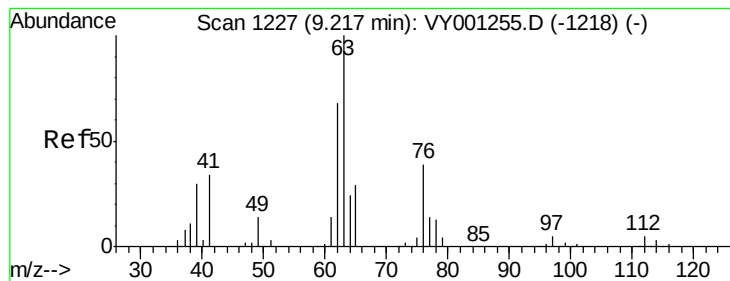


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#37

1,2-Dichloropropane

Concen: 23.377 ug/L

RT: 9.22 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

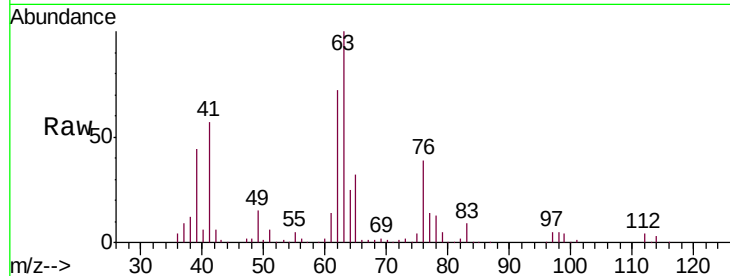
VICV826

Tgt Ion: 63 Resp: 109926

Ion Ratio Lower Upper

63 100

112 4.5 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VY001255.D (-1218) (-)

Ion 112.00 (111.70 to 112.70): VY001255.D (-1218) (-)

9.22

60000

50000

40000

30000

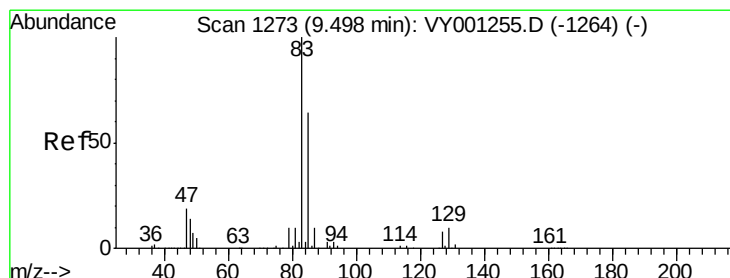
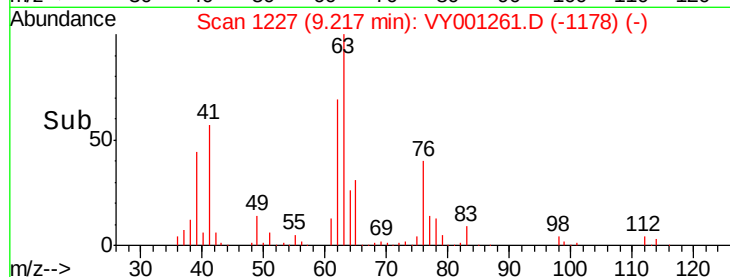
20000

10000

0

9.15 9.20 9.25 9.30

Time-->



#38

Bromodichloromethane

Concen: 23.276 ug/L

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

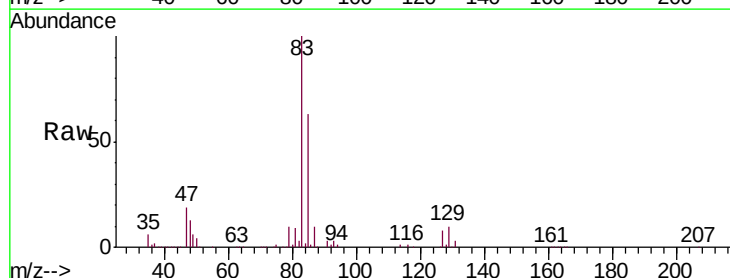
Tgt Ion: 83 Resp: 140112

Ion Ratio Lower Upper

83 100

85 62.8 44.4 82.5

127 8.3 6.4 9.6



Abundance Ion 83.00 (82.70 to 83.70): VY001255.D (-1264) (-)

Ion 85.00 (84.70 to 85.70): VY001255.D (-1264) (-)

Ion 127.00 (126.70 to 127.70): VY001255.D (-1264) (-)

9.50

100000

80000

60000

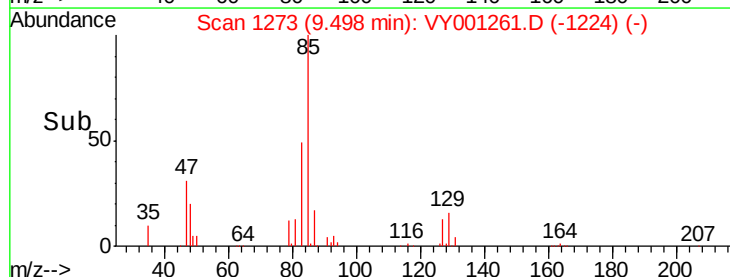
40000

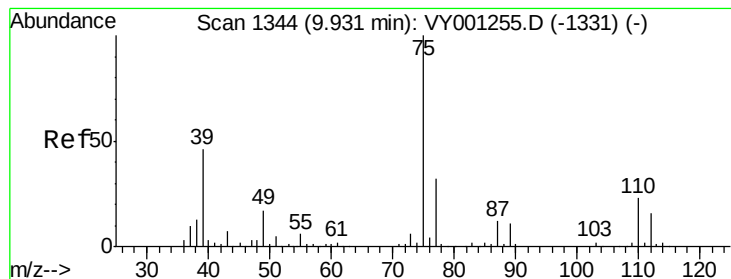
20000

0

9.40 9.45 9.50 9.55

Time-->



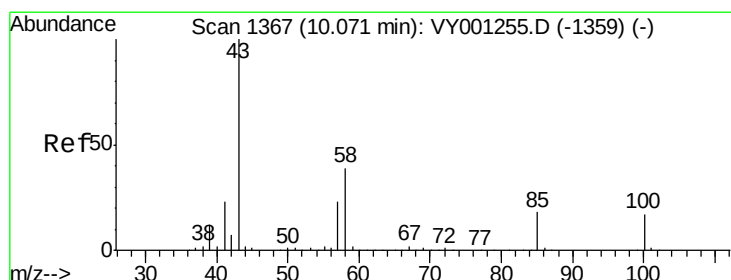
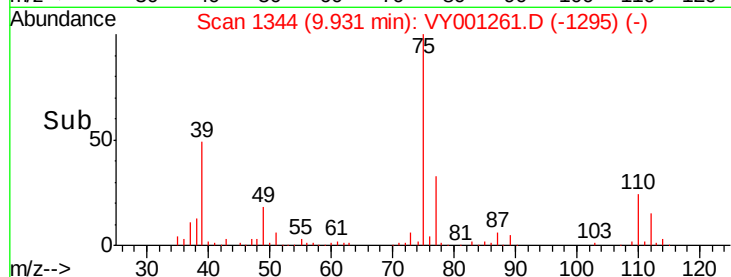
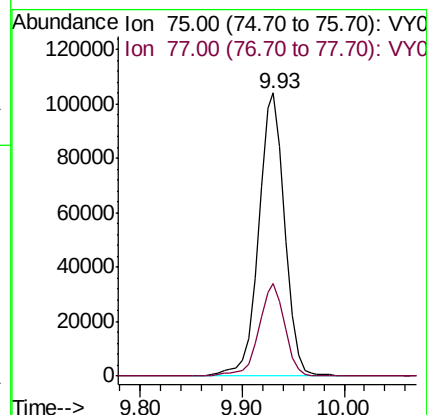
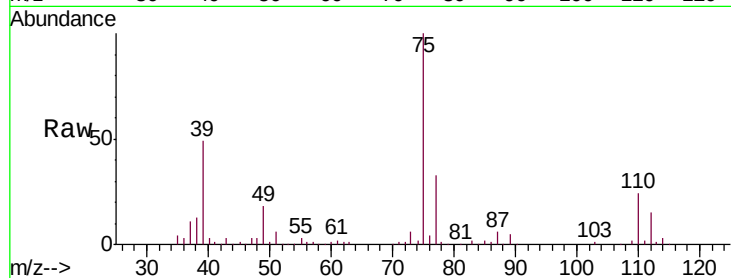


#39

cis-1,3-Dichloropropene
Concen: 23.323 ug/L
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY001261.D
Acq: 16 Jan 2020 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VICV826

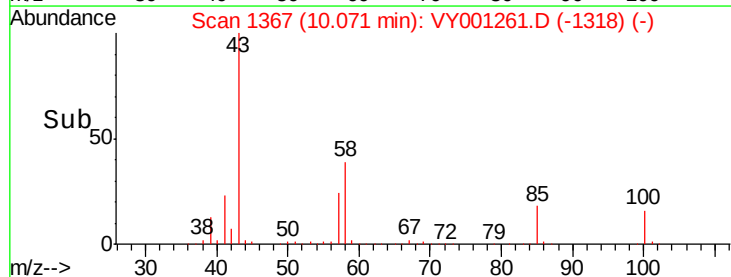
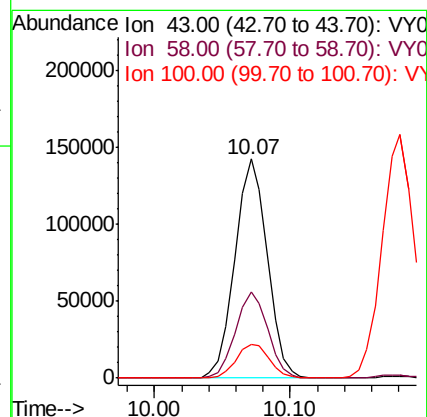
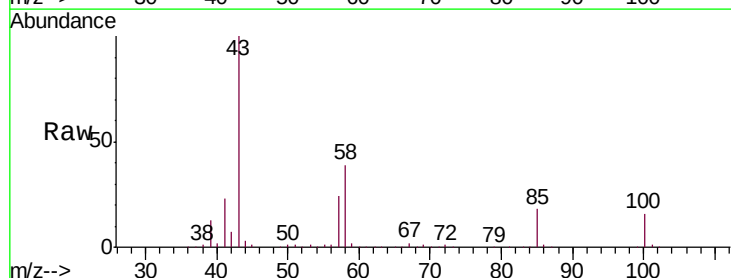
Tgt Ion: 75 Resp: 185773
Ion Ratio Lower Upper
75 100
77 32.9 22.1 41.1

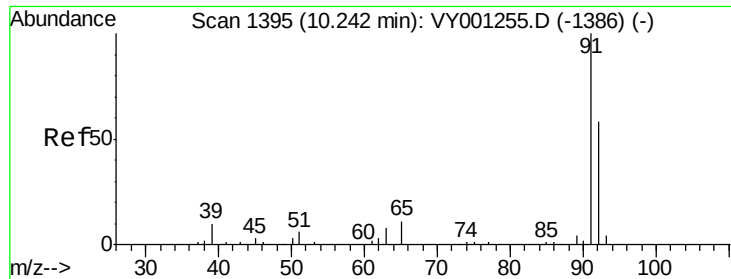


#40

4-Methyl-2-pentanone
Concen: 46.216 ug/L
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY001261.D
Acq: 16 Jan 2020 13:17

Tgt Ion: 43 Resp: 235945
Ion Ratio Lower Upper
43 100
58 39.1 31.7 47.5
100 16.0 13.0 19.6





#42

Toluene

Concen: 22.906 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

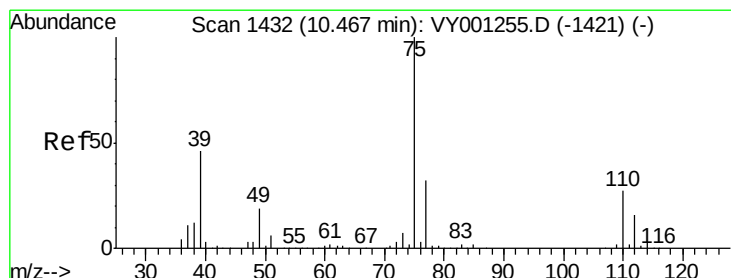
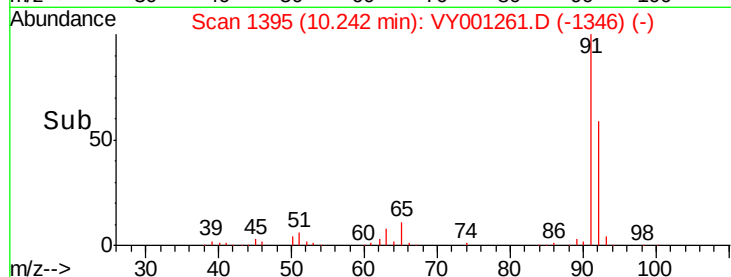
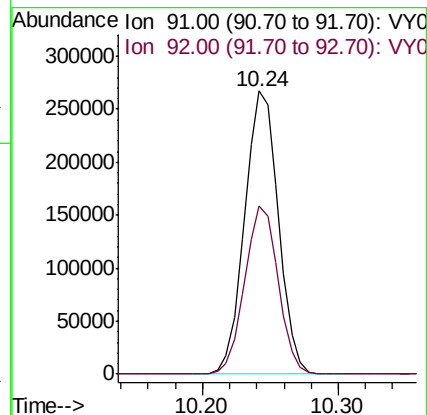
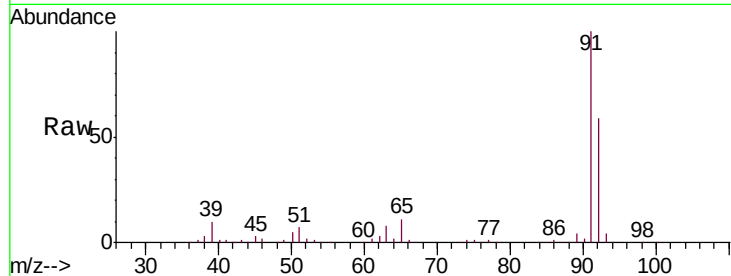
VICV826

Tgt Ion: 91 Resp: 462872

Ion Ratio Lower Upper

91 100

92 59.4 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 23.950 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY001261.D

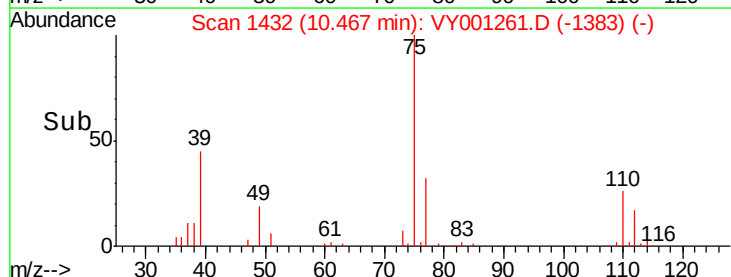
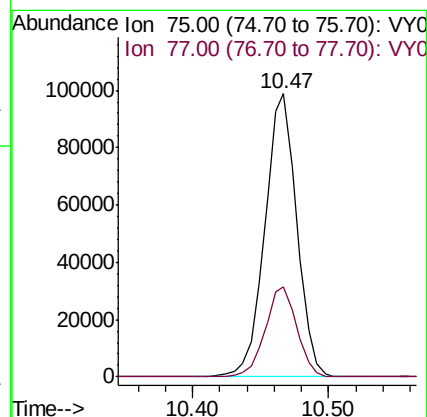
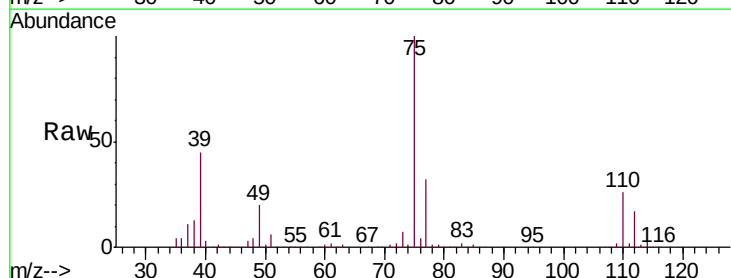
Acq: 16 Jan 2020 13:17

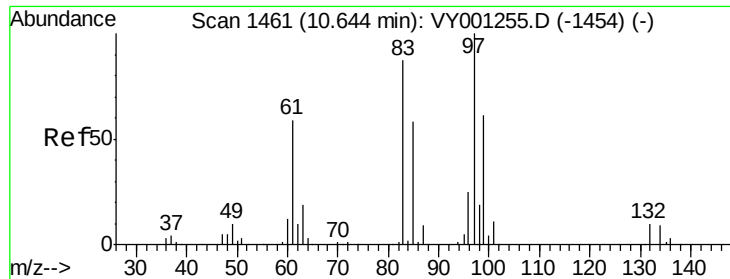
Tgt Ion: 75 Resp: 162293

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.7

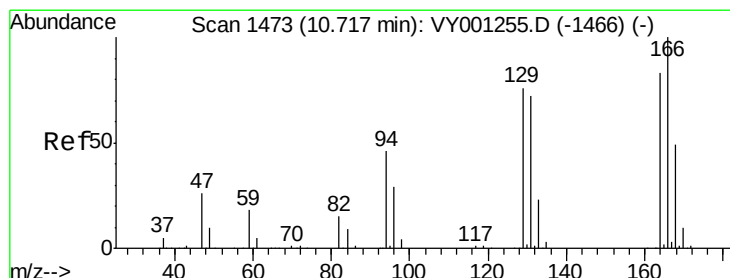
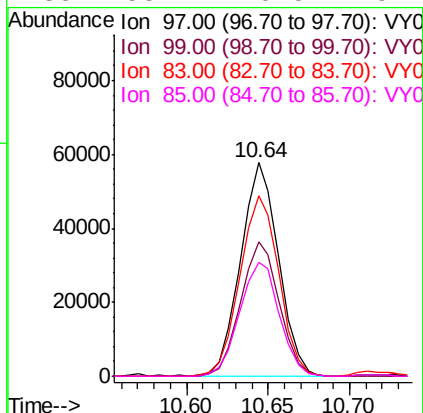
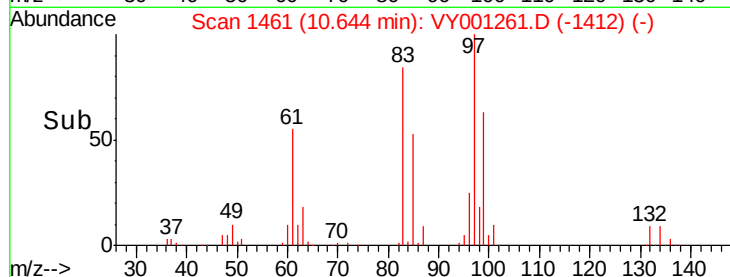
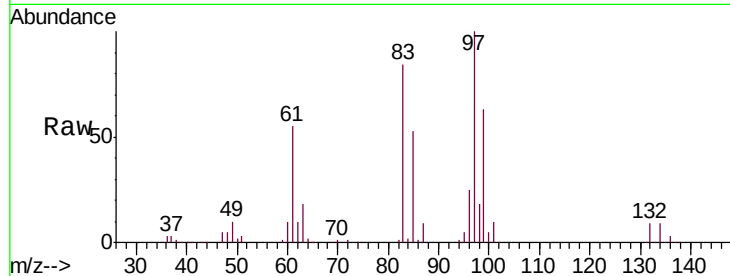




#45
 1,1,2-Trichloroethane
 Concen: 23.136 ug/L
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY001261.D
 Acq: 16 Jan 2020 13:17

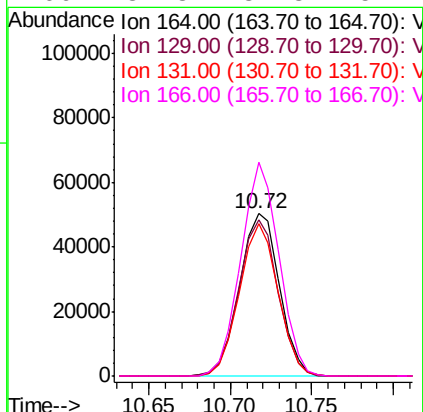
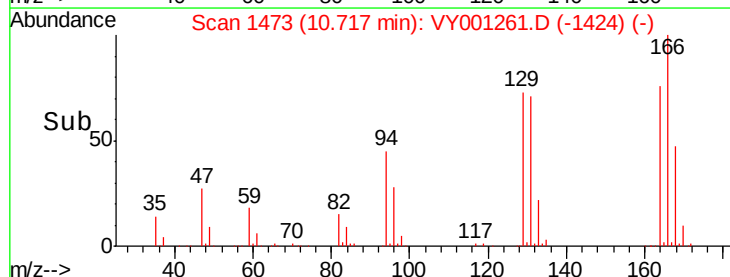
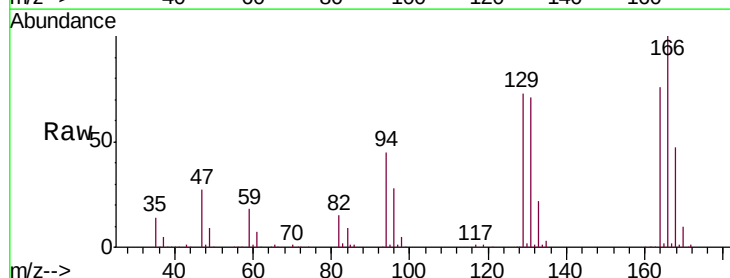
Instrument :
 MSVOA_Y
 ClientSampled :
 VICV826

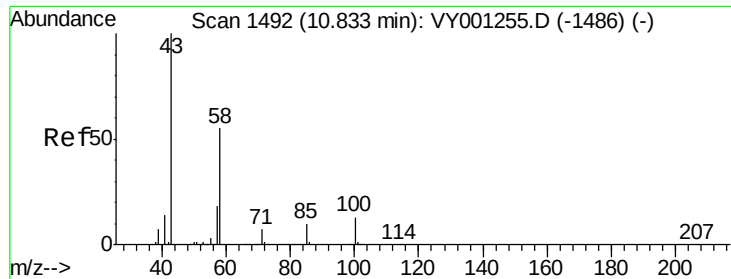
Tgt Ion:	97	Resp:	93710
Ion	Ratio	Lower	Upper
97	100		
99	63.2	42.7	79.3
83	84.4	61.1	113.5
85	53.1	40.5	75.1



#46
 Tetrachloroethene
 Concen: 23.376 ug/L
 RT: 10.72 min Scan# 1473
 Delta R.T. -0.00 min
 Lab File: VY001261.D
 Acq: 16 Jan 2020 13:17

Tgt Ion:	164	Resp:	85640
Ion	Ratio	Lower	Upper
164	100		
129	96.4	64.7	120.1
131	93.9	61.2	113.6
166	131.8	84.8	157.4

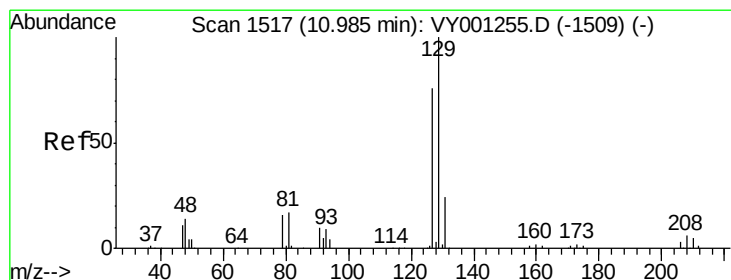
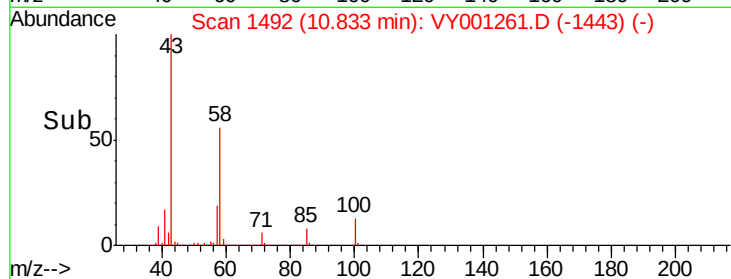
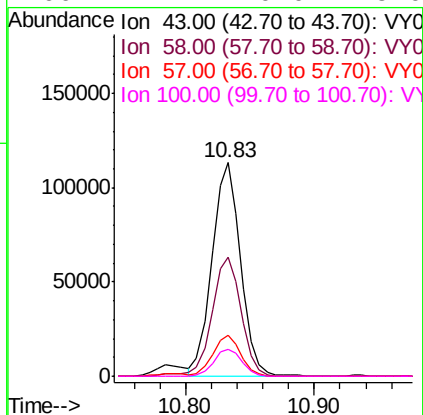
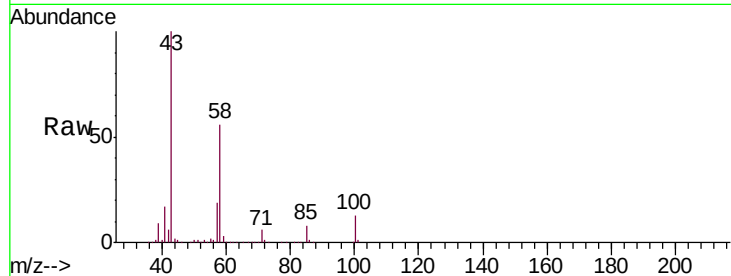




#48
2-Hexanone
Concen: 45.036 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY001261.D
Acq: 16 Jan 2020 13:17

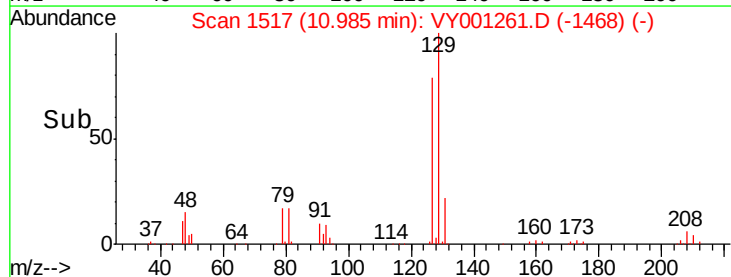
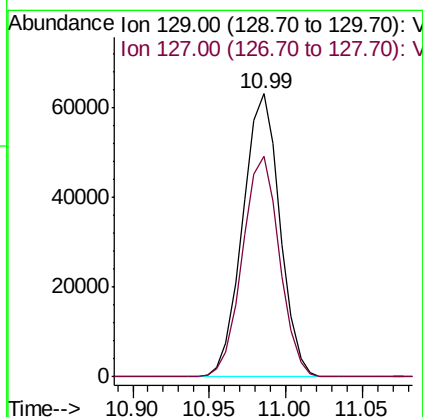
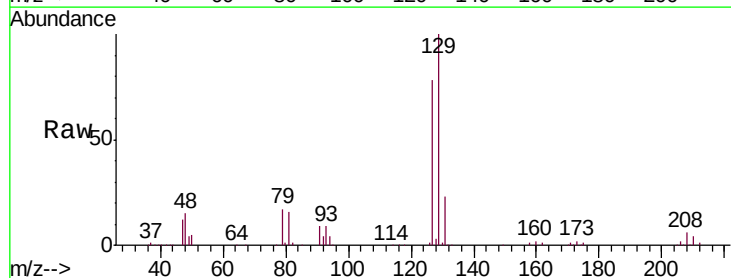
Instrument :
MSVOA_Y
ClientSampleId :
VICV826

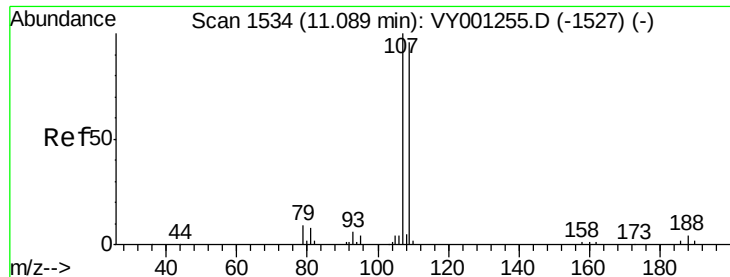
Tgt Ion:	43	Resp:	176355
Ion	Ratio	Lower	Upper
43	100		
58	57.3	43.2	64.8
57	18.6	14.9	22.3
100	12.7	10.0	15.0



#49
Dibromochloromethane
Concen: 24.334 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY001261.D
Acq: 16 Jan 2020 13:17

Tgt Ion:	129	Resp:	106526
Ion	Ratio	Lower	Upper
129	100		
127	78.0	53.5	99.3

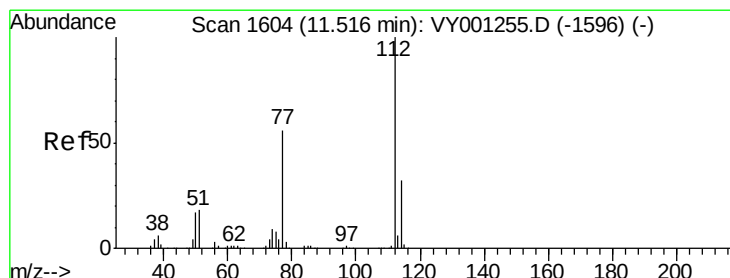
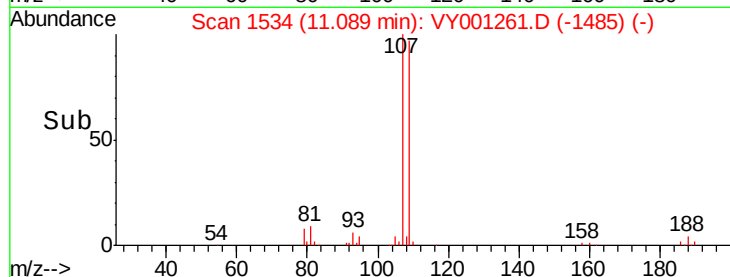
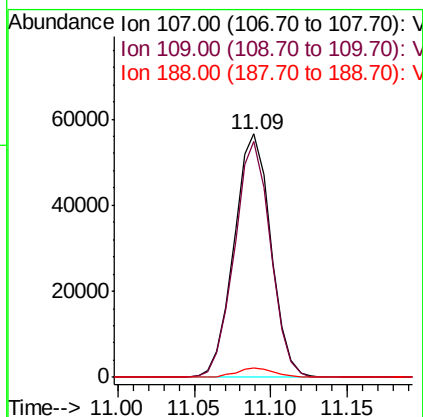
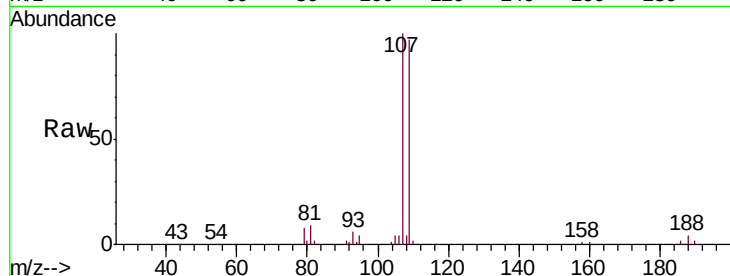




#50
1,2-Dibromoethane
Concen: 23.028 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. -0.00 min
Lab File: VY001261.D
Acq: 16 Jan 2020 13:17

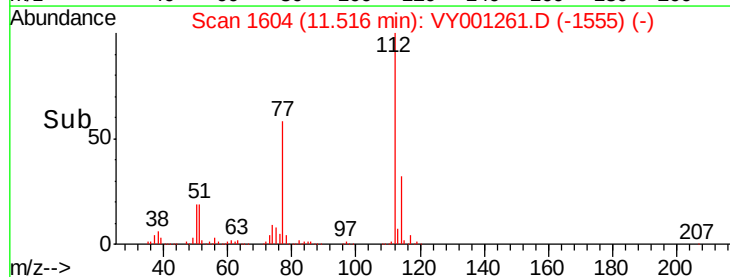
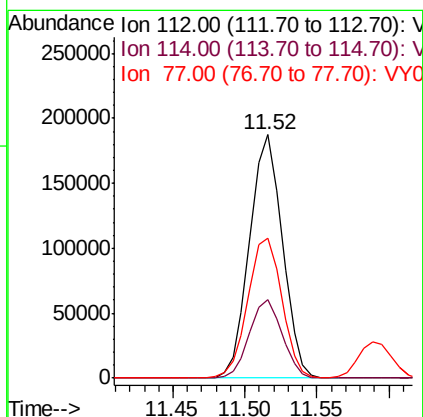
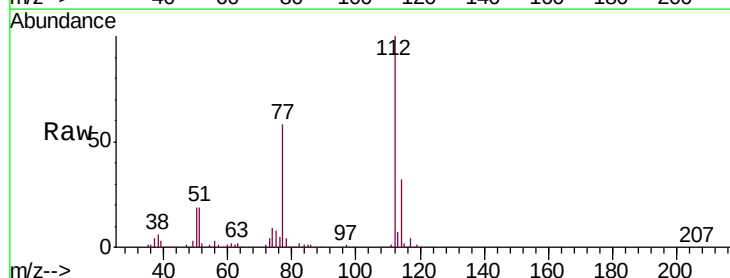
Instrument :
MSVOA_Y
ClientSampleId :
VICV826

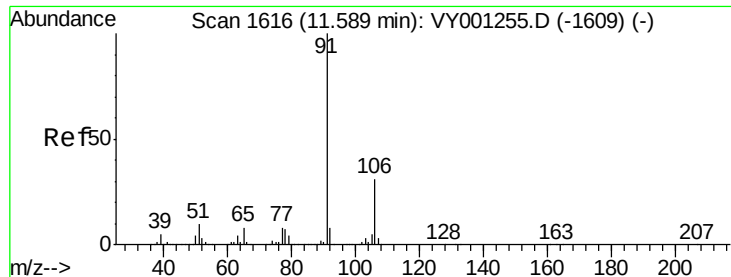
Tgt Ion:107 Resp: 94214
Ion Ratio Lower Upper
107 100
109 96.9 67.1 124.7
188 4.0 2.9 4.3



#51
Chlorobenzene
Concen: 23.130 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY001261.D
Acq: 16 Jan 2020 13:17

Tgt Ion:112 Resp: 296145
Ion Ratio Lower Upper
112 100
114 32.0 22.2 41.2
77 57.5 45.0 67.6





#52

Ethylbenzene

Concen: 23.313 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

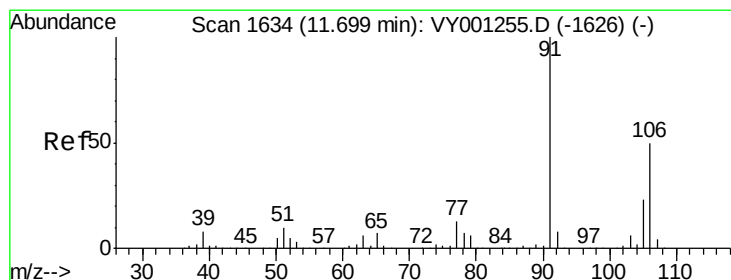
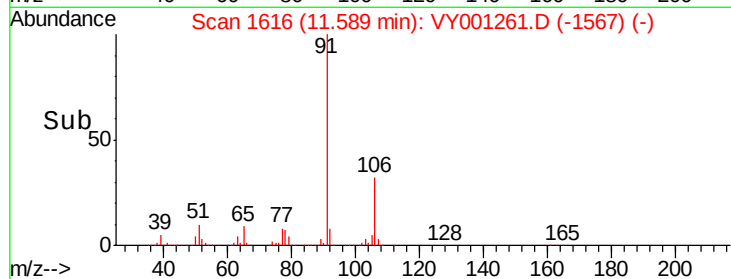
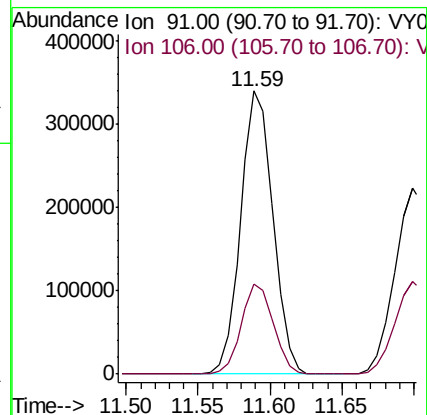
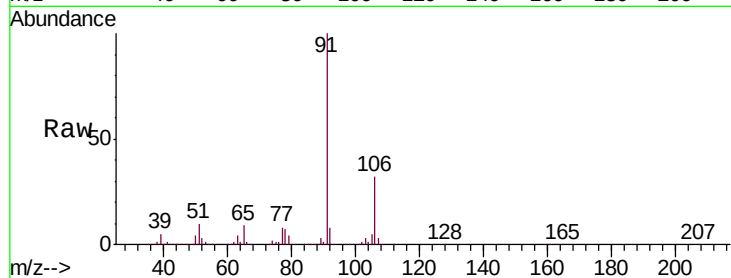
VICV826

Tgt Ion: 91 Resp: 528127

Ion Ratio Lower Upper

91 100

106 31.7 21.7 40.3



#53

m,p-Xylene

Concen: 23.198 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY001261.D

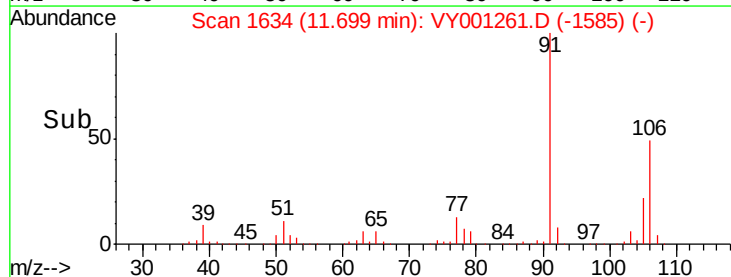
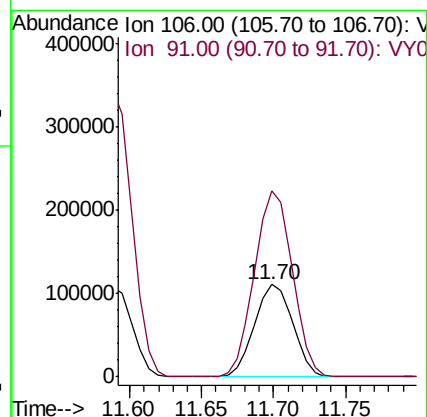
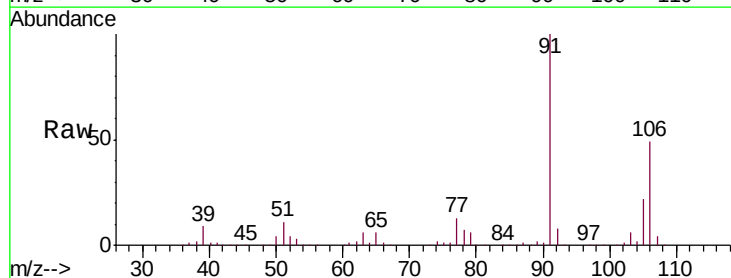
Acq: 16 Jan 2020 13:17

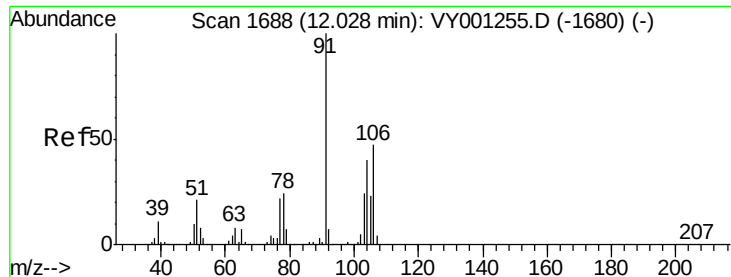
Tgt Ion: 106 Resp: 204182

Ion Ratio Lower Upper

106 100

91 202.3 139.4 258.8

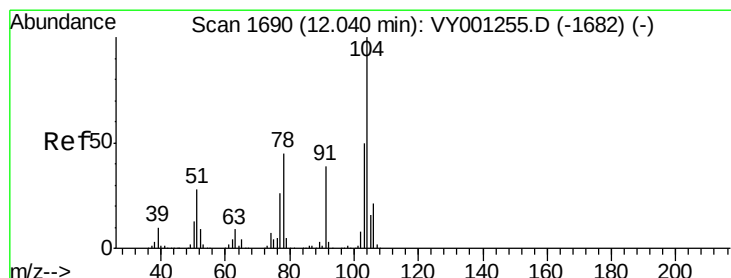
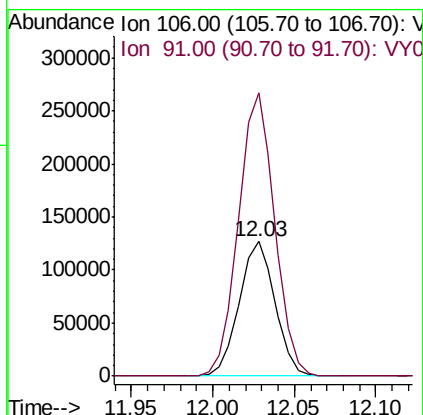
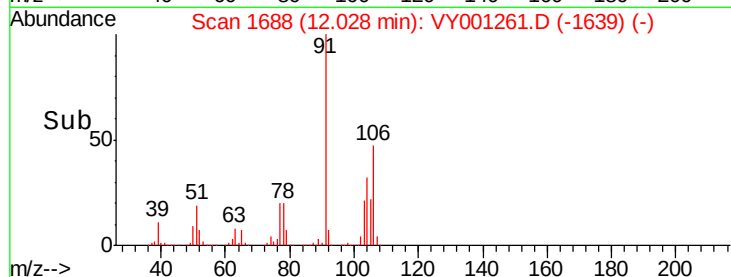
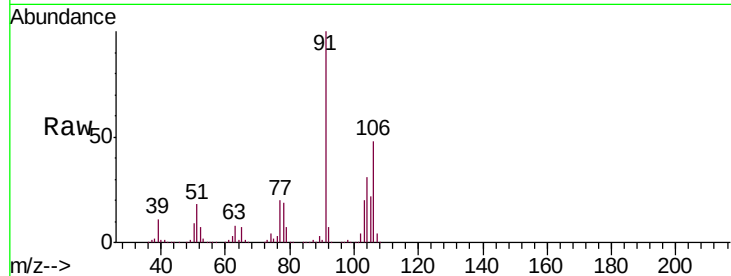




#54
o-Xylene
Concen: 22.998 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY001261.D
Acq: 16 Jan 2020 13:17

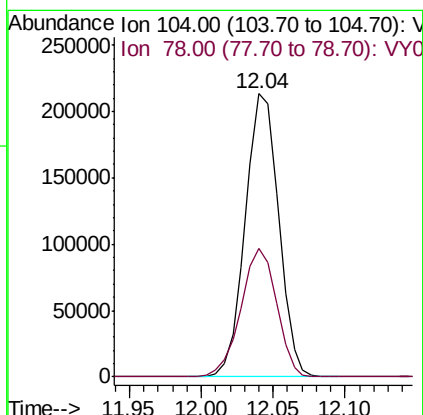
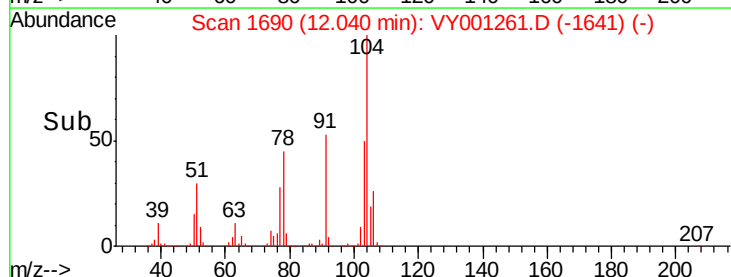
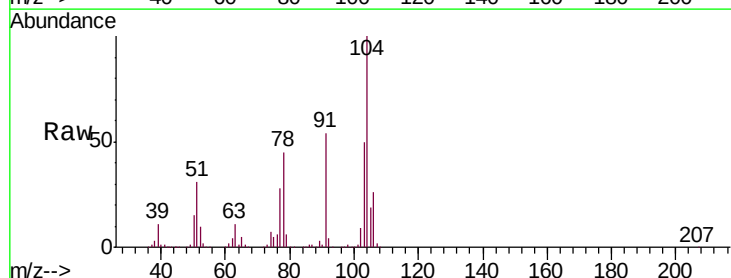
Instrument :
MSVOA_Y
ClientSampleId :
VICV826

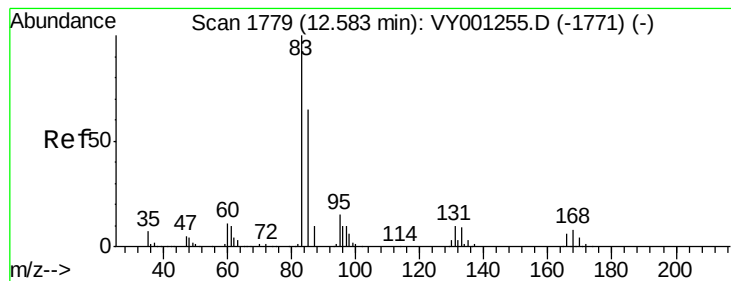
Tgt Ion:106 Resp: 193939
Ion Ratio Lower Upper
106 100
91 209.9 148.5 275.7



#55
Styrene
Concen: 23.180 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001261.D
Acq: 16 Jan 2020 13:17

Tgt Ion:104 Resp: 342177
Ion Ratio Lower Upper
104 100
78 45.3 31.6 58.6





#57

1,1,2,2-Tetrachloroethane

Concen: 23.758 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

Instrument :

MSVOA_Y

ClientSampled :

VICV826

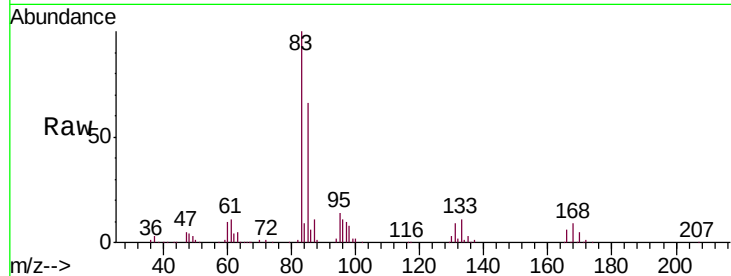
Tgt Ion: 83 Resp: 134910

Ion Ratio Lower Upper

83 100

85 65.7 45.6 84.6

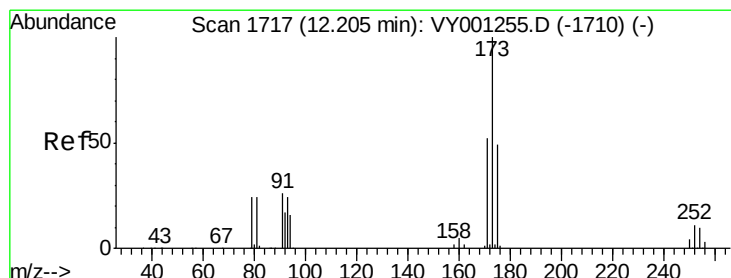
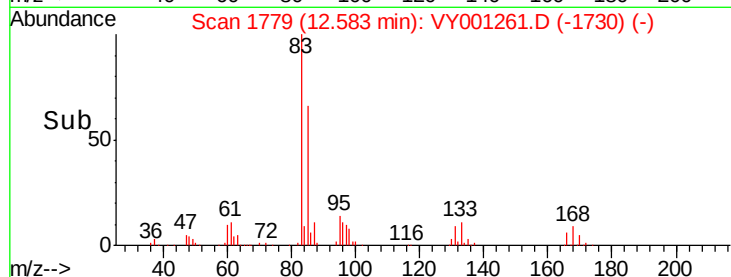
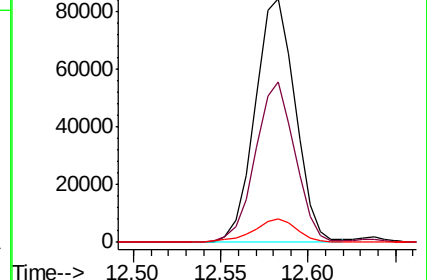
131 9.4 7.8 11.8



Abundance Ion 83.00 (82.70 to 83.70): VY001255.D (-1771) (-)

Ion 85.00 (84.70 to 85.70): VY001255.D (-1771) (-)

Ion 131.00 (130.70 to 131.70): VY001255.D (-1771) (-)



#59

Bromoform

Concen: 23.379 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

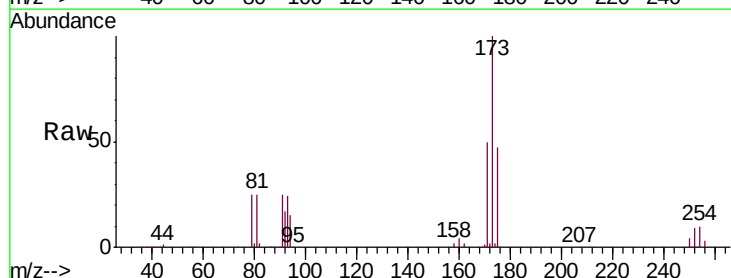
Tgt Ion: 173 Resp: 69441

Ion Ratio Lower Upper

173 100

175 48.7 38.5 57.7

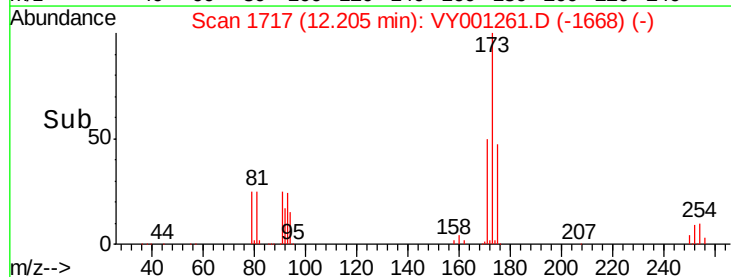
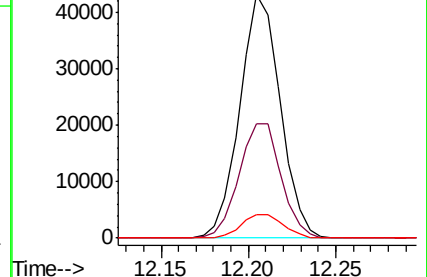
254 10.2 8.2 12.2

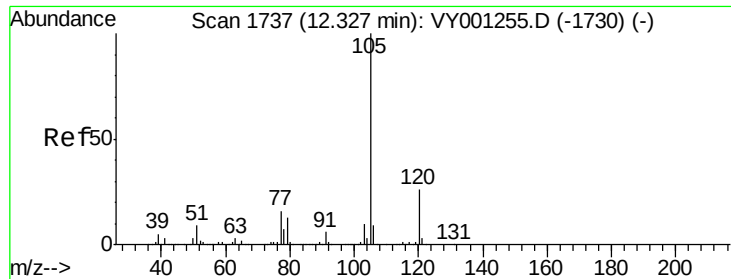


Abundance Ion 173.00 (172.70 to 173.70): VY001255.D (-1710) (-)

Ion 175.00 (174.70 to 175.70): VY001255.D (-1710) (-)

Ion 254.00 (253.70 to 254.70): VY001255.D (-1710) (-)





#60

Isopropylbenzene

Concen: 22.833 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VICV826

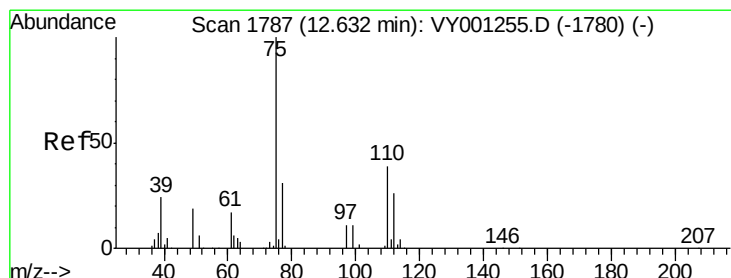
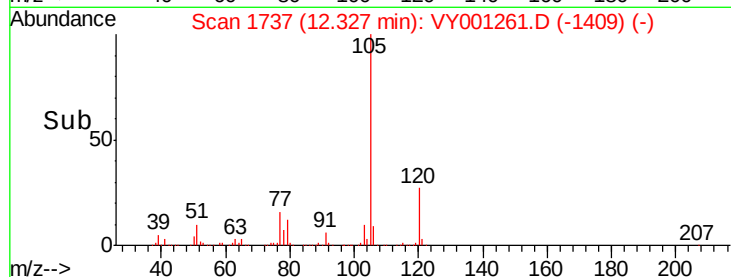
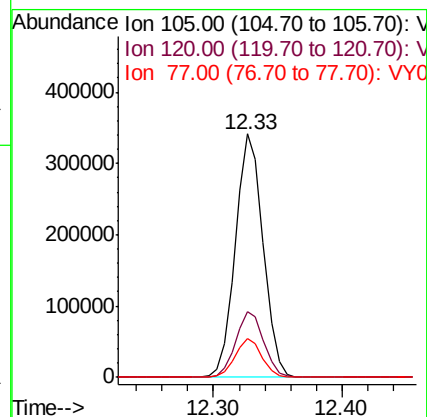
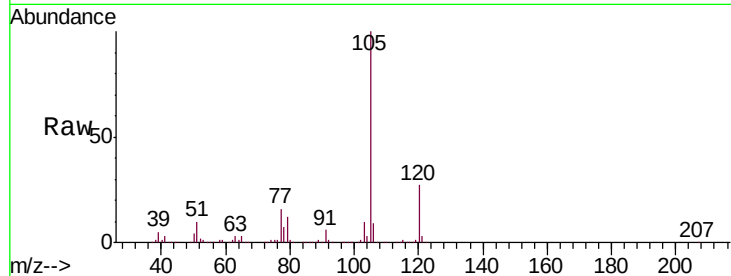
Tgt Ion: 105 Resp: 511008

Ion Ratio Lower Upper

105 100

120 27.0 21.4 32.2

77 15.5 12.3 18.5



#61

1,2,3-Trichloropropane

Concen: 23.099 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

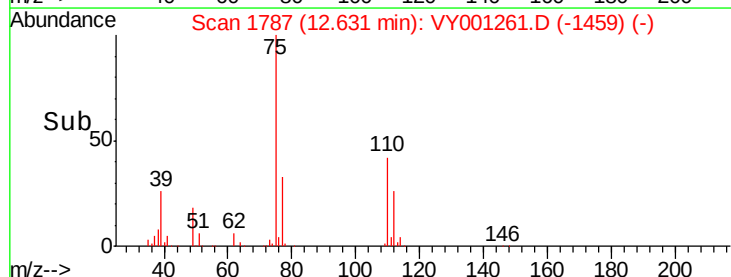
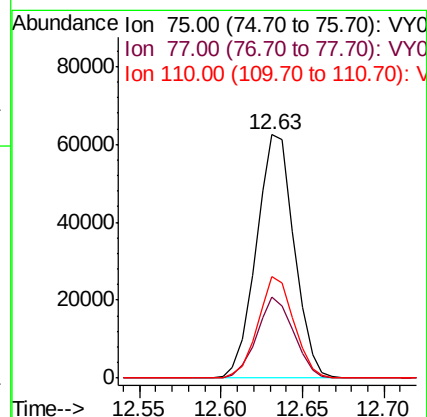
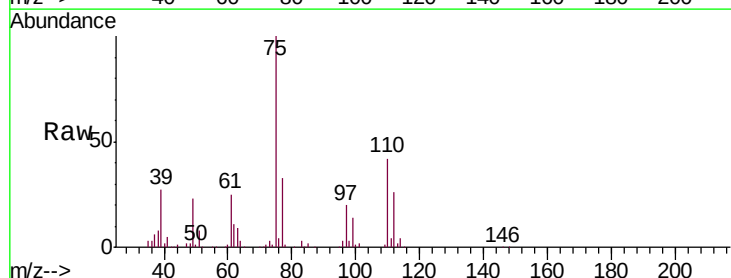
Tgt Ion: 75 Resp: 100898

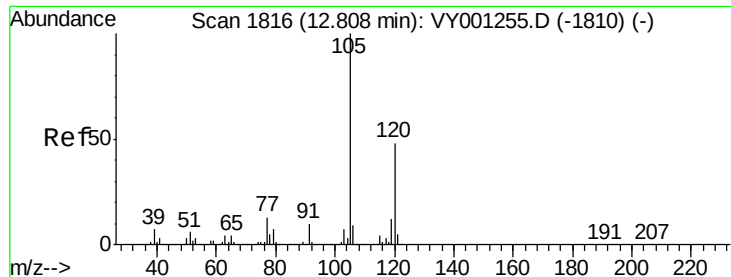
Ion Ratio Lower Upper

75 100

77 32.3 25.1 37.7

110 39.7 31.4 47.2





#62

1,3,5-Trimethylbenzene

Concen: 23.118 ug/L

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

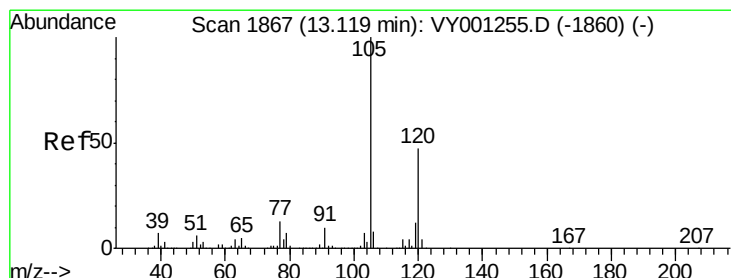
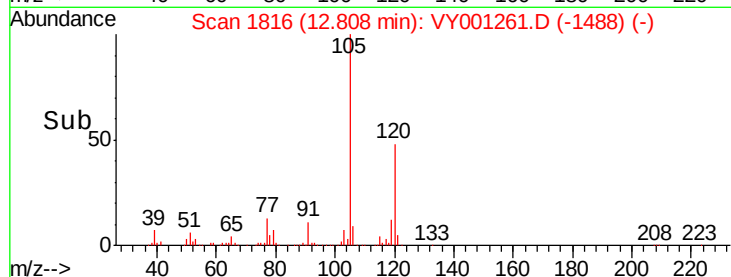
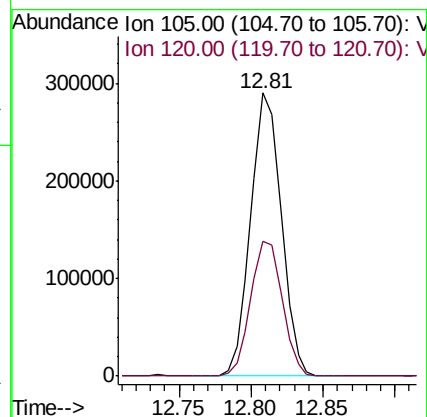
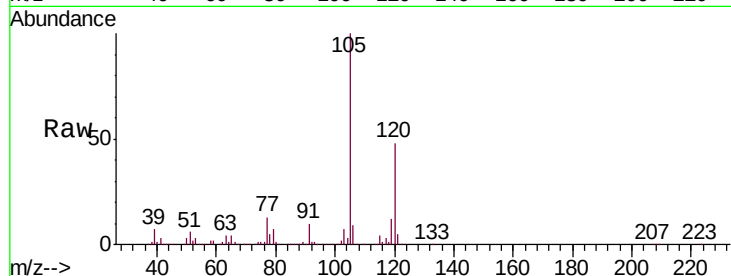
VICV826

Tgt Ion:105 Resp: 428267

Ion Ratio Lower Upper

105 100

120 49.0 0.2 0.2#



#63

1,2,4-Trimethylbenzene

Concen: 23.571 ug/L

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY001261.D

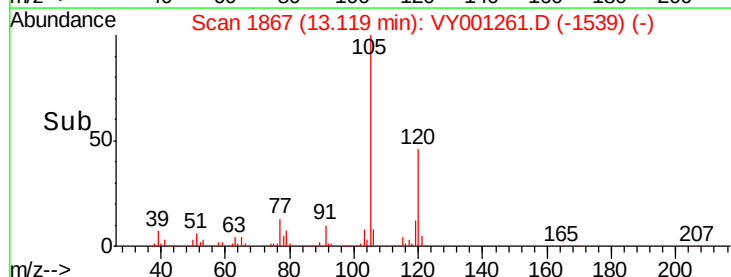
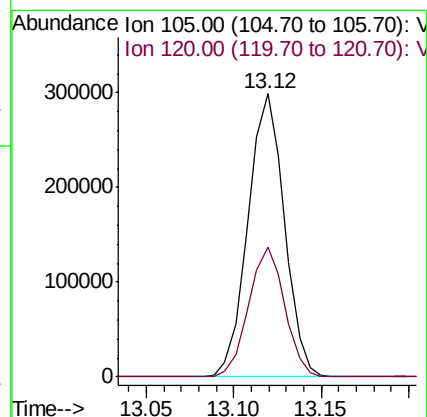
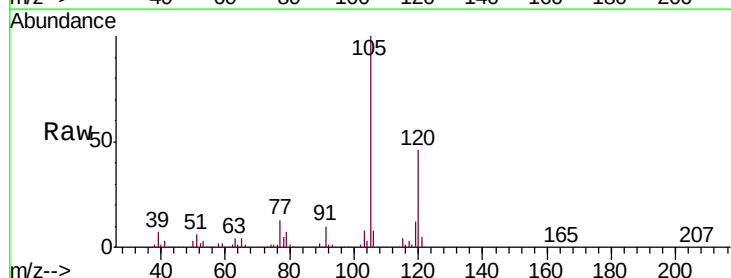
Acq: 16 Jan 2020 13:17

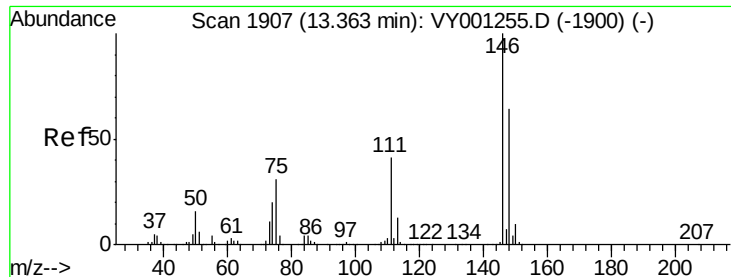
Tgt Ion:105 Resp: 432029

Ion Ratio Lower Upper

105 100

120 45.4 37.0 55.6

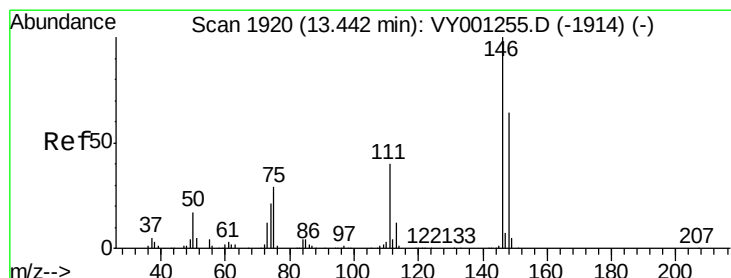
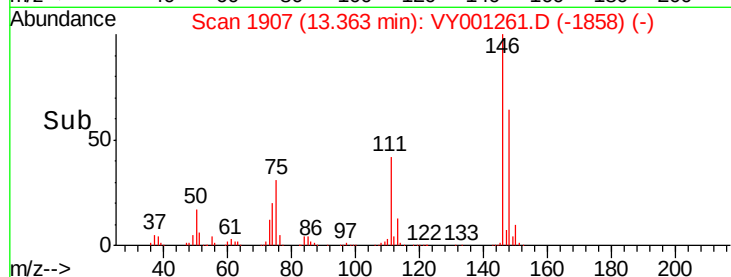
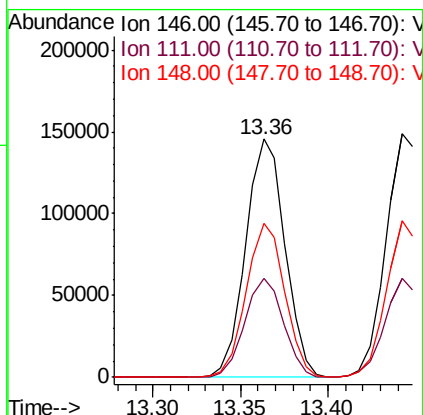
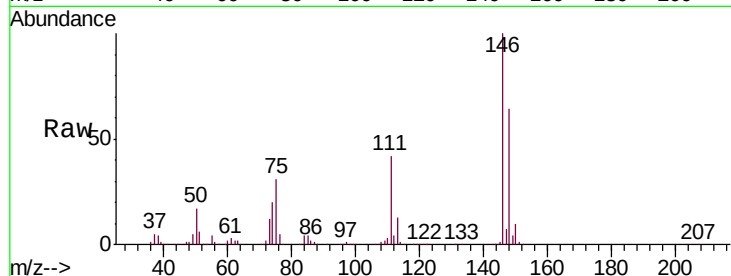




#64
 1,3-Dichlorobenzene
 Concen: 22.841 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY001261.D
 Acq: 16 Jan 2020 13:17

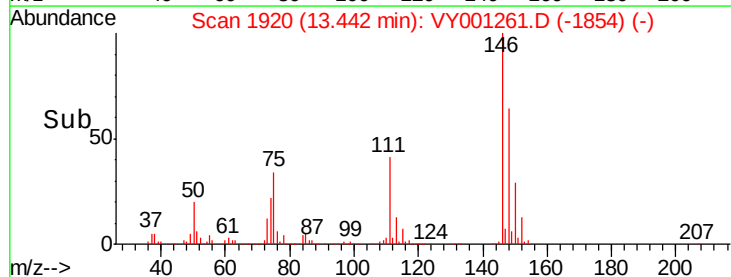
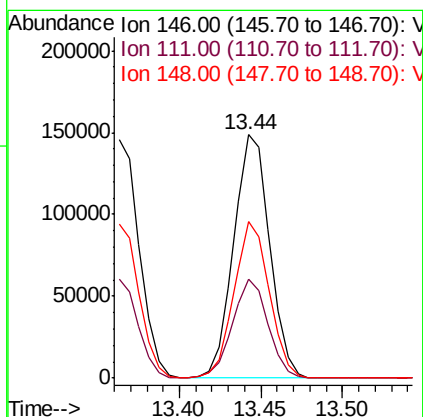
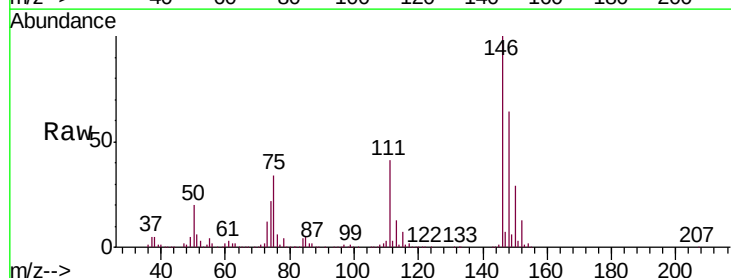
Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV826

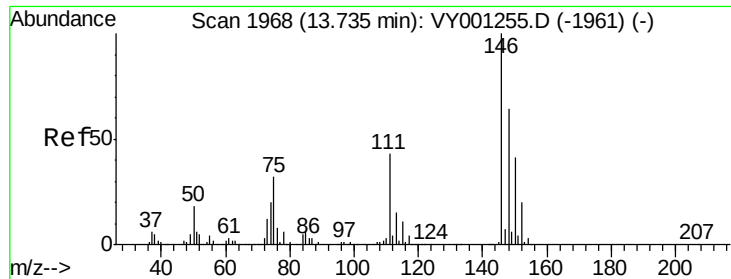
Tgt Ion:146 Resp: 226744
 Ion Ratio Lower Upper
 146 100
 111 41.7 28.7 53.3
 148 64.5 44.5 82.7



#65
 1,4-Dichlorobenzene
 Concen: 22.927 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY001261.D
 Acq: 16 Jan 2020 13:17

Tgt Ion:146 Resp: 228488
 Ion Ratio Lower Upper
 146 100
 111 40.5 27.9 51.7
 148 64.3 44.9 83.3

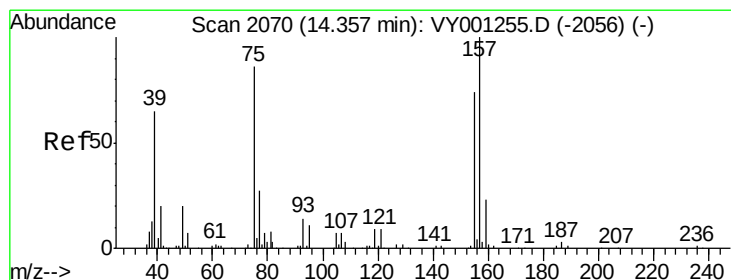
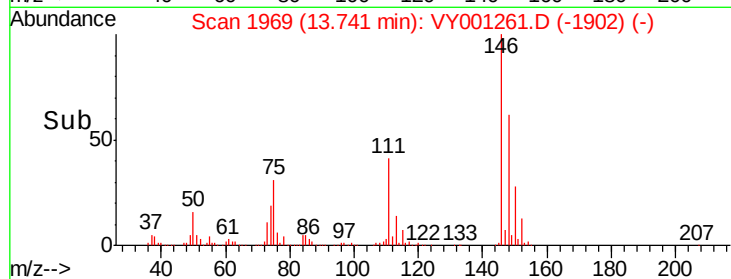
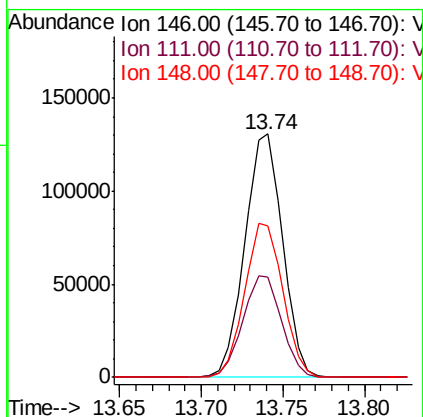
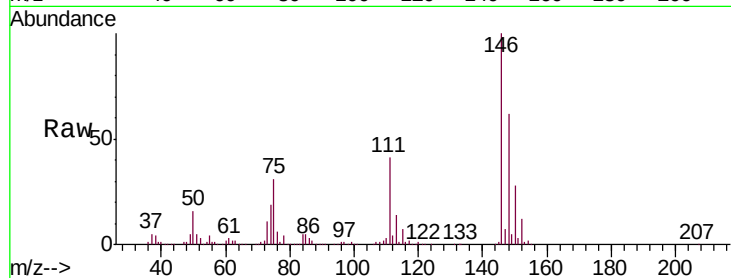




#67
 1,2-Dichlorobenzene
 Concen: 22.918 ug/L
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY001261.D
 Acq: 16 Jan 2020 13:17

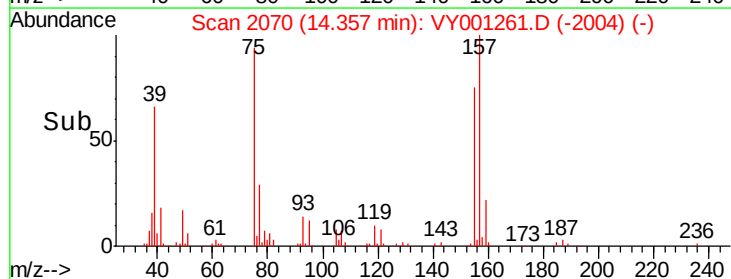
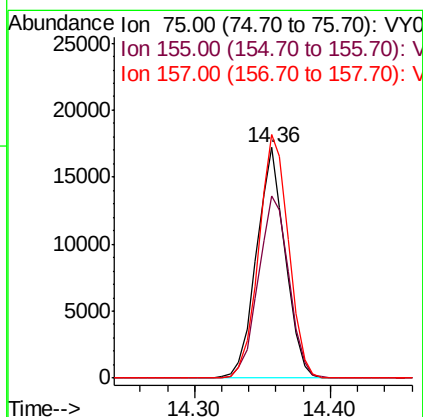
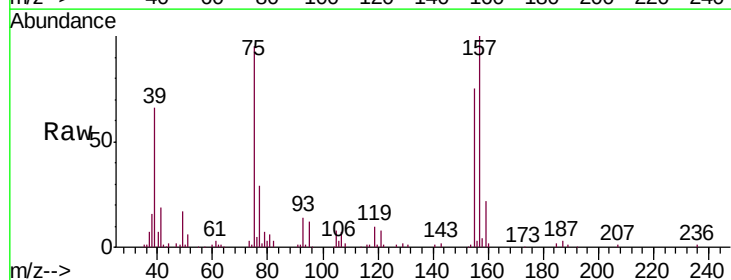
Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV826

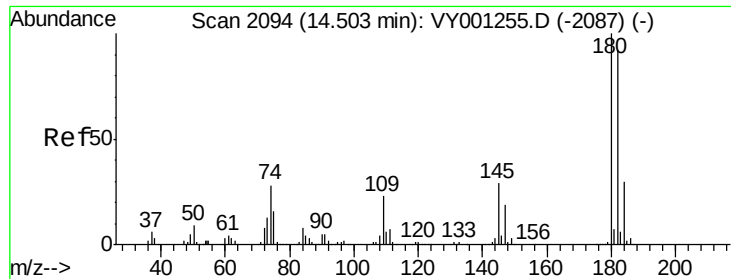
Tgt Ion: 146 Resp: 210588
 Ion Ratio Lower Upper
 146 100
 111 41.3 34.2 51.4
 148 62.3 51.4 77.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 23.066 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY001261.D
 Acq: 16 Jan 2020 13:17

Tgt Ion: 75 Resp: 25427
 Ion Ratio Lower Upper
 75 100
 155 79.3 68.4 102.6
 157 105.6 92.6 139.0

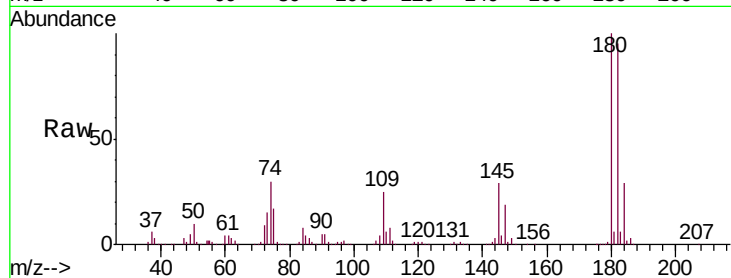




#69
 1,3,5-Trichlorobenzene
 Concen: 23.055 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. -0.00 min
 Lab File: VY001261.D
 Acq: 16 Jan 2020 13:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV826

Tgt Ion:	180	Resp:	157254
Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.0	112.6
184	30.2	23.9	35.9
145	30.2	24.2	36.4



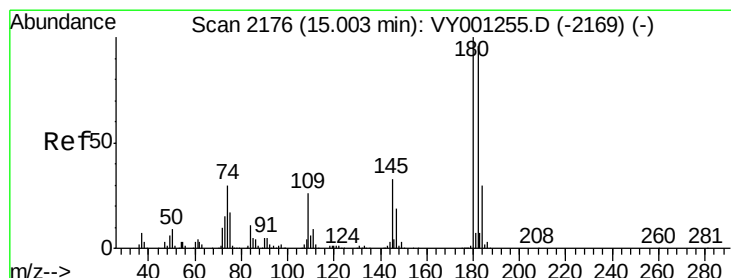
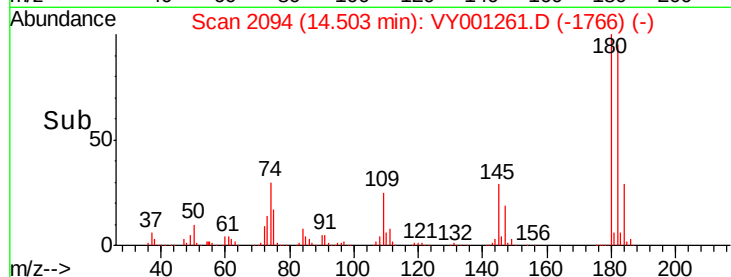
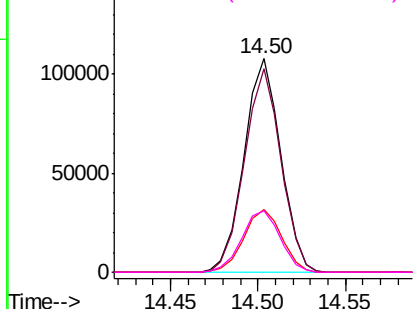
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

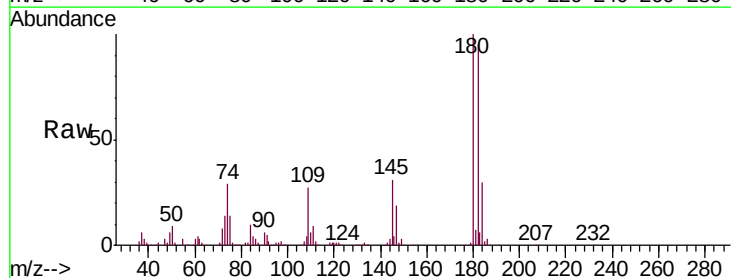
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 22.522 ug/L
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY001261.D
 Acq: 16 Jan 2020 13:17

Tgt Ion:	180	Resp:	139967
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.7	115.1
145	31.0	25.9	38.9

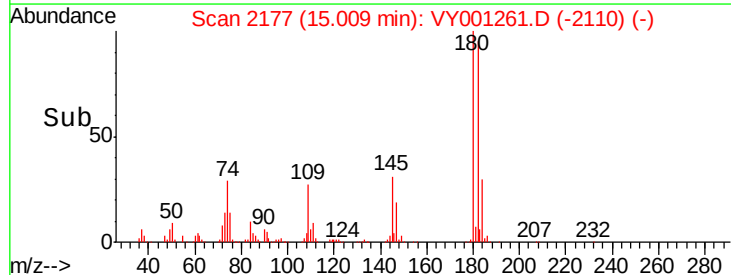
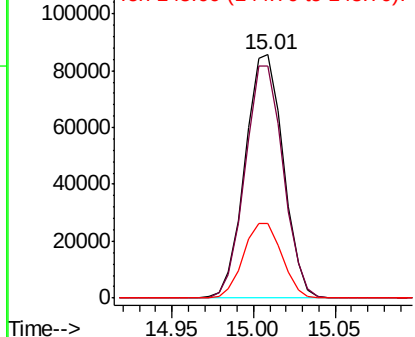


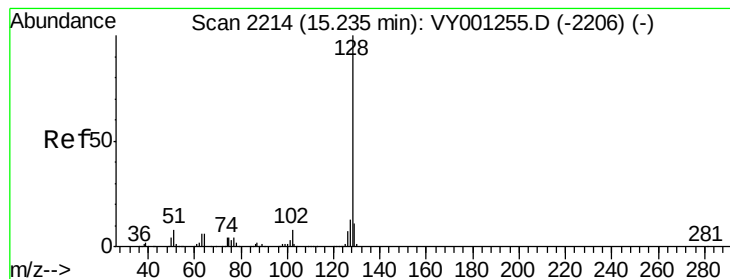
Abundance

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: 22.498 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VICV826

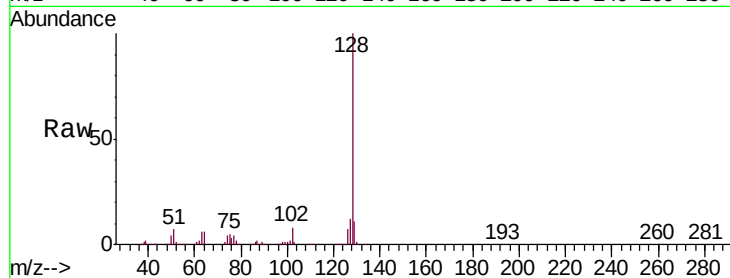
Tgt Ion:128 Resp: 389580

Ion Ratio Lower Upper

128 100

127 12.5 10.1 15.1

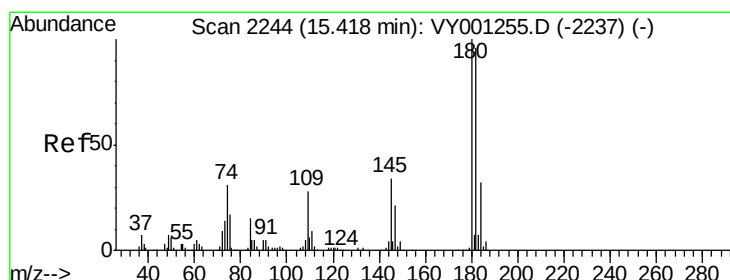
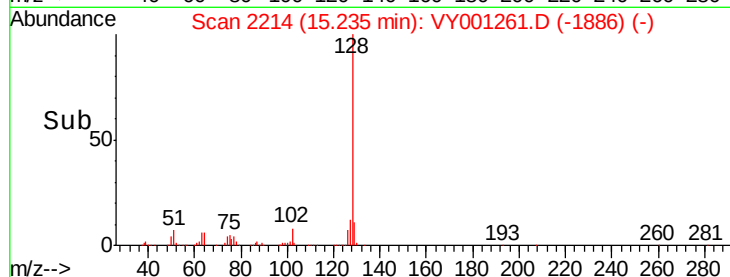
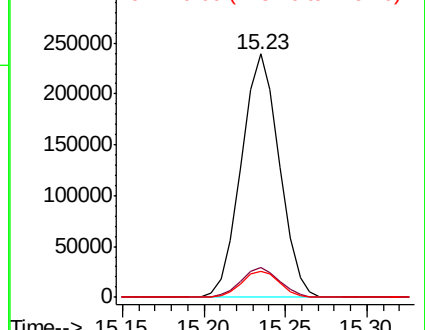
129 10.9 8.8 13.2



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: 21.987 ug/L

RT: 15.42 min Scan# 2245

Delta R.T. 0.01 min

Lab File: VY001261.D

Acq: 16 Jan 2020 13:17

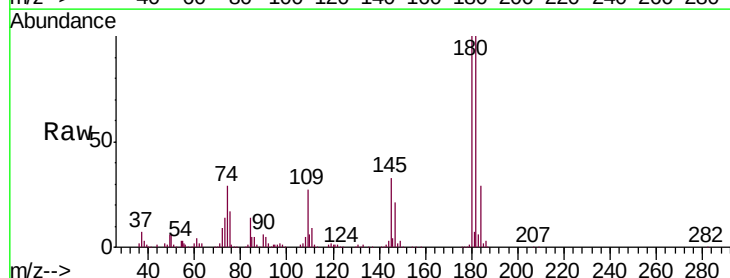
Tgt Ion:180 Resp: 127471

Ion Ratio Lower Upper

180 100

182 97.2 75.6 113.4

145 33.7 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

