

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041320\
 Data File : VY002276.D
 Acq On : 13 Apr 2020 13:37
 Operator : SY/MD
 Sample : VY0413SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 14 02:16:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	154898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	307338	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	289468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	130613	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	93230	54.12	ug/l	0.00
Spiked Amount			Recovery	=	108.24%	
35) Dibromofluoromethane	7.74	113	93066	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
50) Toluene-d8	10.19	98	376908	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
62) 4-Bromofluorobenzene	12.49	95	134776	53.37	ug/l	0.00
Spiked Amount			Recovery	=	106.74%	

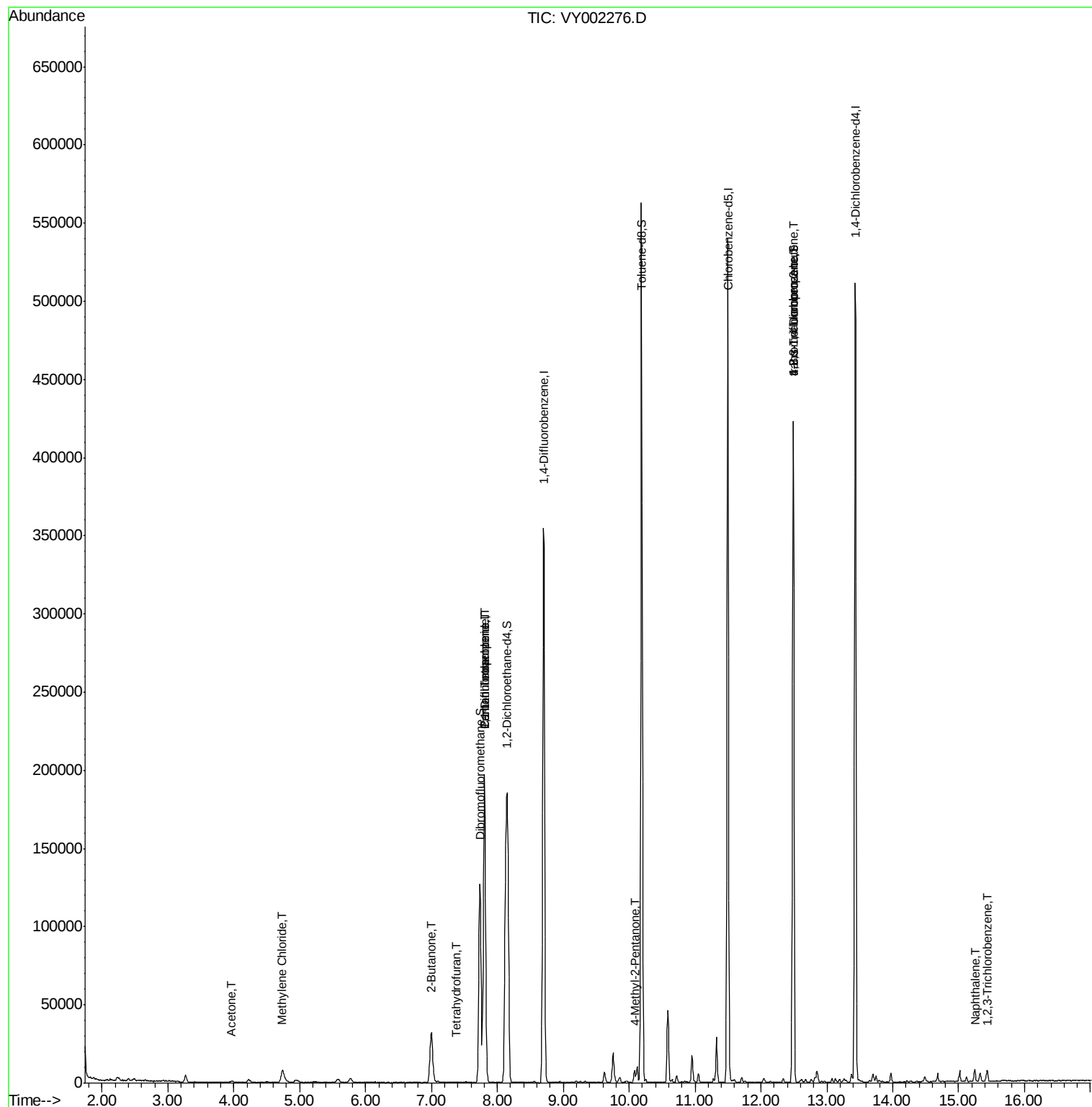
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	2219	Below Cal	#	77
16) Acetone	3.97	43	1916	4.223	ug/l	92
20) Methylene Chloride	4.74	84	5852	2.624	ug/l #	95
25) 2-Butanone	7.01	43	2010	2.799	ug/l #	76
29) Tetrahydrofuran	7.38	42	500	1.053	ug/l #	40
36) 1,1-Dichloropropene	7.80	75	12885	4.256	ug/l #	50
38) Carbon Tetrachloride	7.80	117	15478	5.977	ug/l #	15
51) 4-Methyl-2-Pentanone	10.08	43	5169	3.145	ug/l	92
76) 1,2,3-Trichloropropane	12.49	75	65696	43.315	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	65696	84.247	ug/l #	19
95) Naphthalene	15.25	128	6504	1.143	ug/l	97
96) 1,2,3-Trichlorobenzene	15.43	180	2433	1.078	ug/l	95

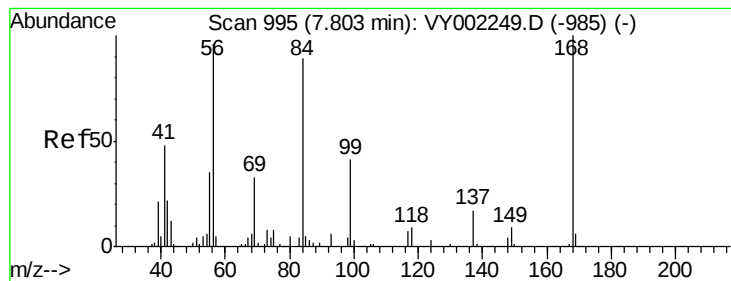
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 08 15:15:02 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002276.D

Acq: 13 Apr 2020 13:37

Instrument :

MSVOA_Y

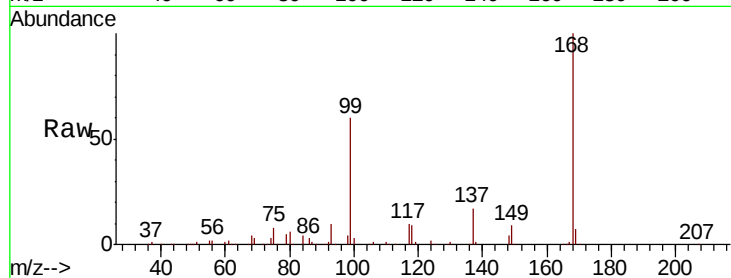
ClientSampled :

Tot Ion:168 Resp: 154898

Ion Ratio Lower Upper

168 100

99 59.7 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.81

60000

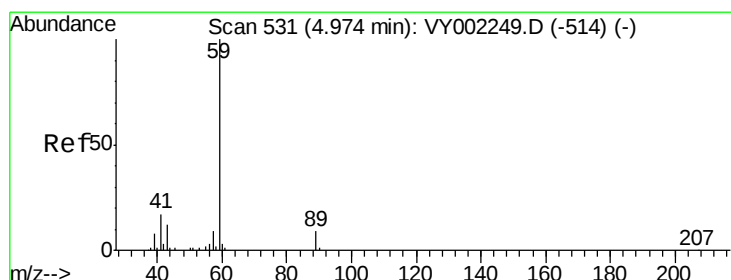
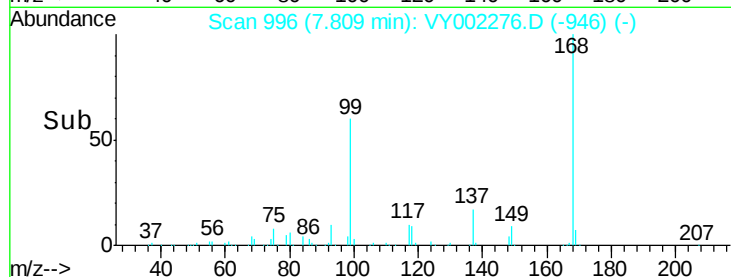
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002276.D

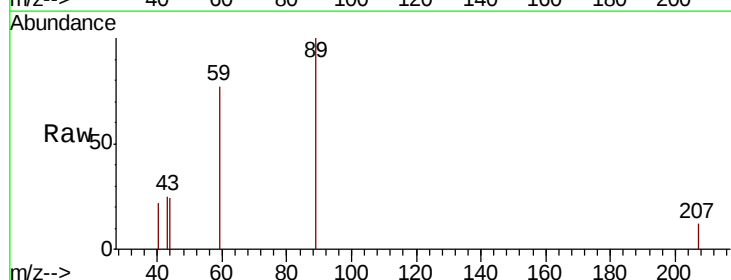
Acq: 13 Apr 2020 13:37

Tgt Ion: 59 Resp: 2219

Ion Ratio Lower Upper

59 100

57 0.0 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002249.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY002249.D (-514) (-)

4.96

600

500

400

300

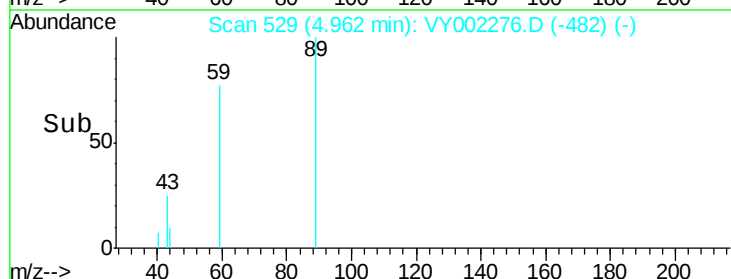
200

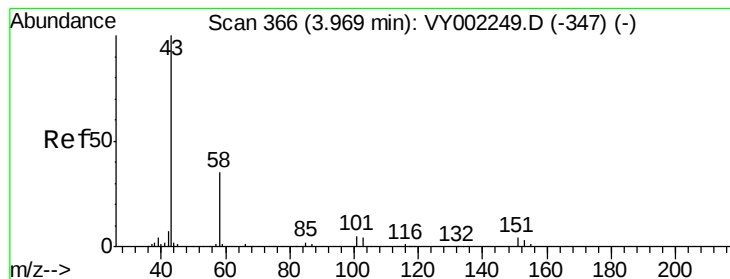
100

0

4.90 5.00

Time-->





#16

Acetone

Concen: 4.223 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.00 min

Lab File: VY002276.D

Acq: 13 Apr 2020 13:37

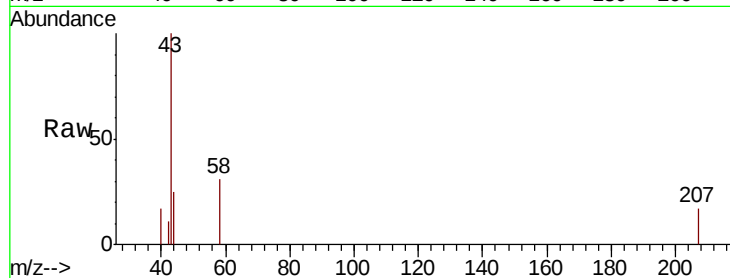
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 1916

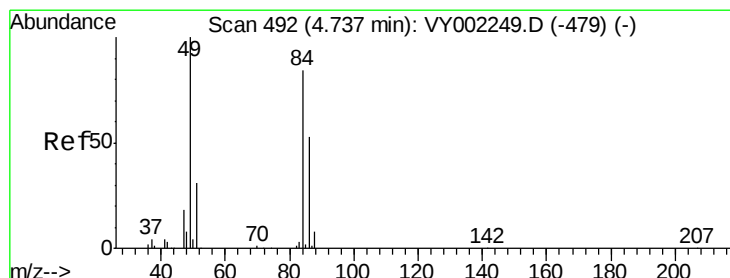
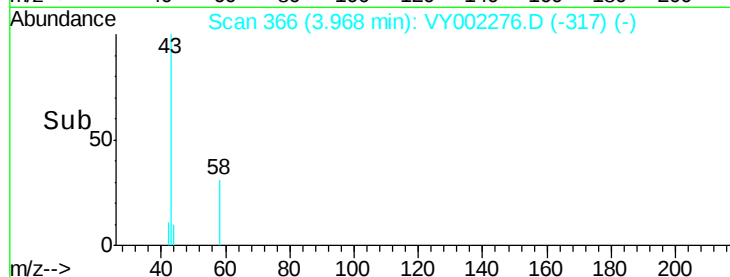
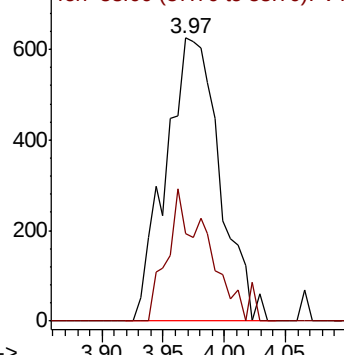
Ion Ratio Lower Upper

43 100

58 30.7 28.5 42.7



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



#20

Methylene Chloride

Concen: 2.624 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.00 min

Lab File: VY002276.D

Acq: 13 Apr 2020 13:37

Tgt Ion: 84 Resp: 5852

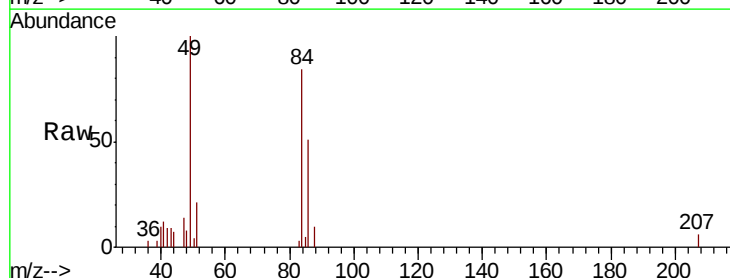
Ion Ratio Lower Upper

84 100

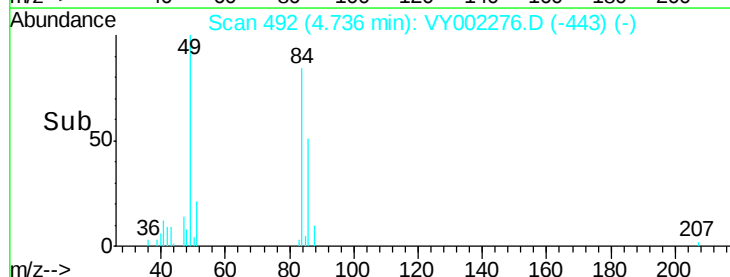
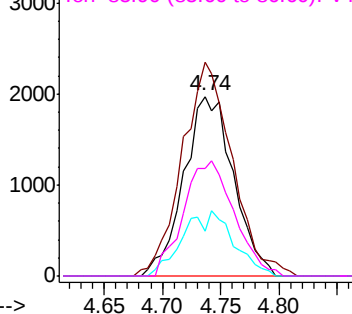
49 118.9 95.5 143.3

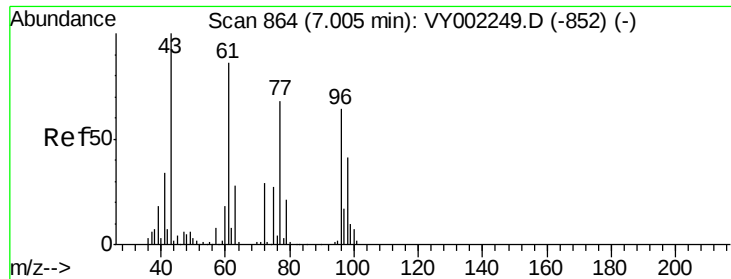
51 24.6 29.5 44.3#

86 60.2 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0





#25

2-Butanone

Concen: 2.799 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002276.D

Acq: 13 Apr 2020 13:37

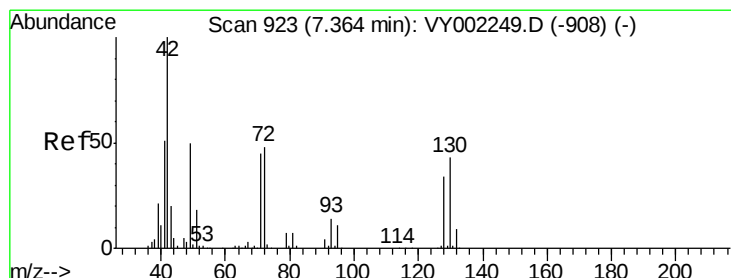
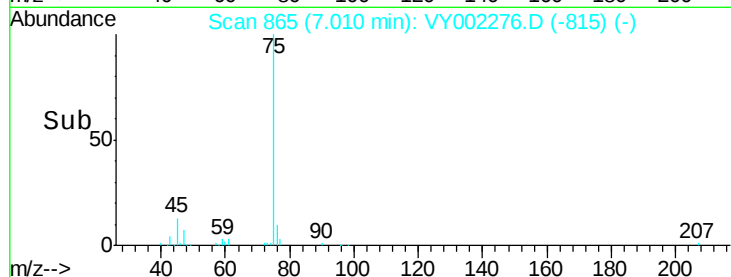
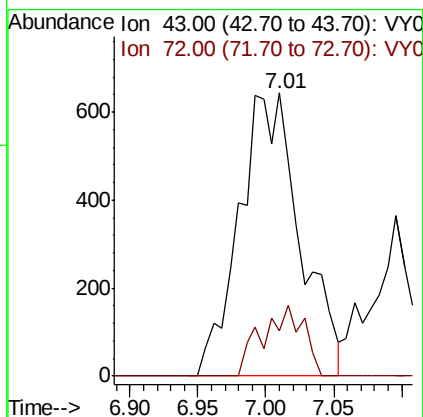
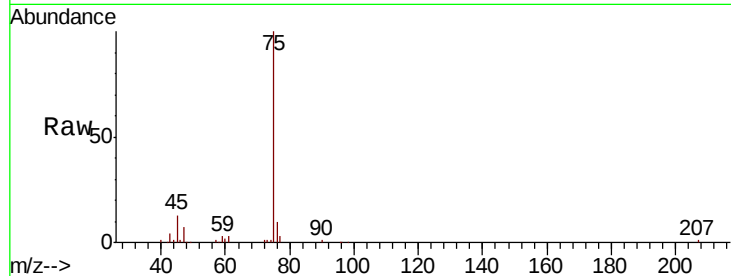
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 2010

Ion Ratio Lower Upper

43 100

72 16.2 23.2 34.8#



#29

Tetrahydrofuran

Concen: 1.053 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.01 min

Lab File: VY002276.D

Acq: 13 Apr 2020 13:37

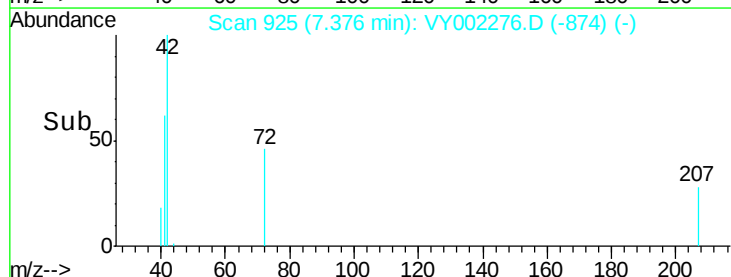
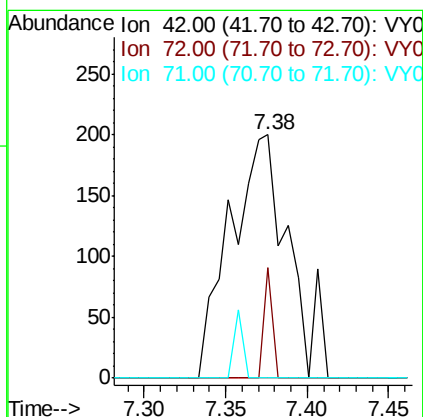
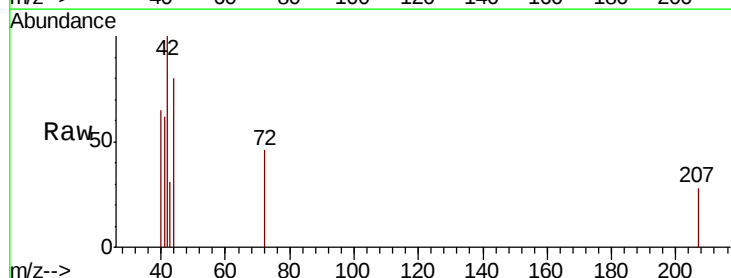
Tgt Ion: 42 Resp: 500

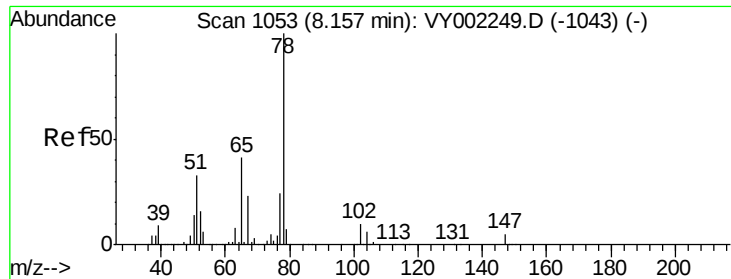
Ion Ratio Lower Upper

42 100

72 6.6 36.7 55.1#

71 4.0 34.7 52.1#





#33

1,2-Dichloroethane-d4

Concen: 54.122 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY002276.D

Acq: 13 Apr 2020 13:37

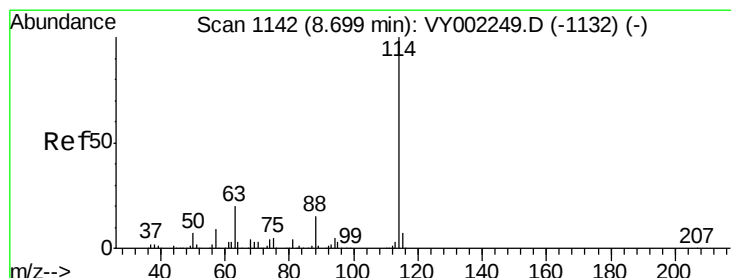
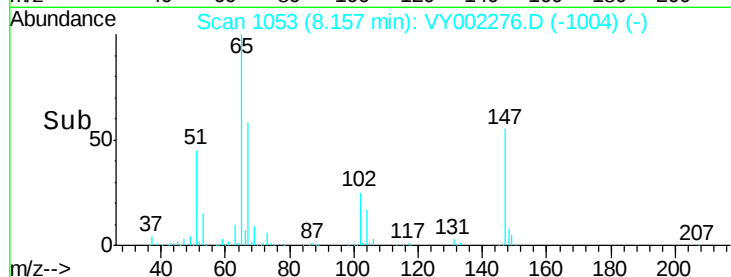
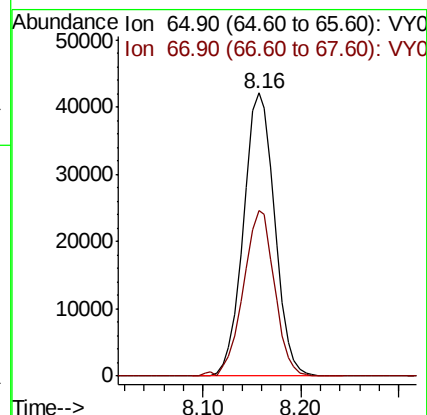
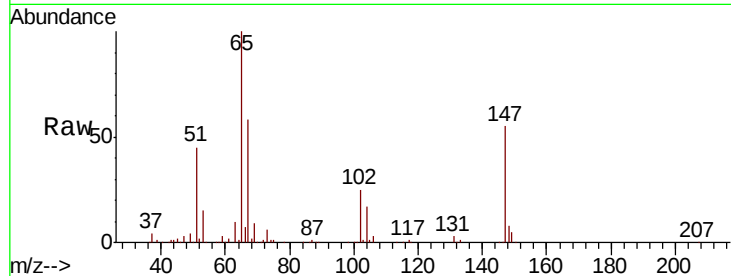
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 65 Resp: 93230

Ion Ratio Lower Upper

65 100

67 58.5 0.0 114.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY002276.D

Acq: 13 Apr 2020 13:37

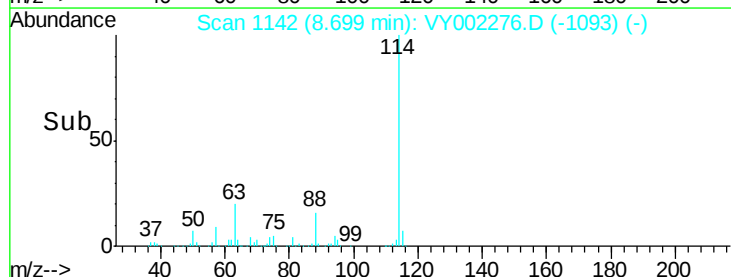
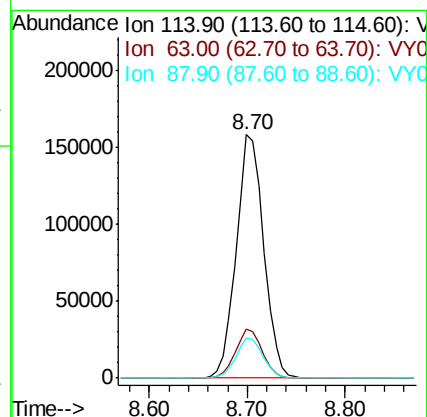
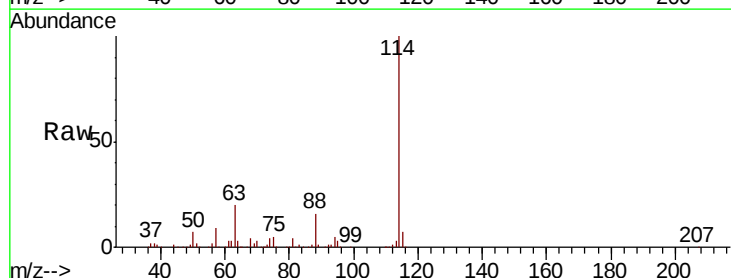
Tgt Ion: 114 Resp: 307338

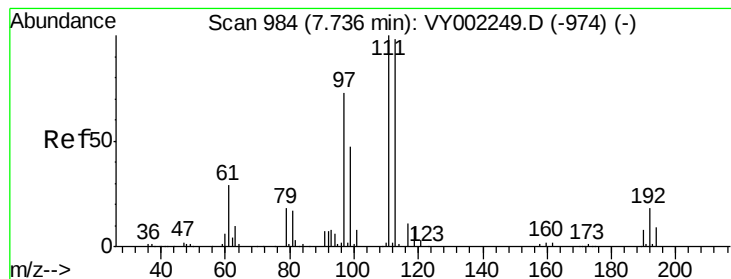
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.0

88 16.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.890 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.00 min

Lab File: VY002276.D

Acq: 13 Apr 2020 13:37

Instrument :

MSVOA_Y

ClientSampled :

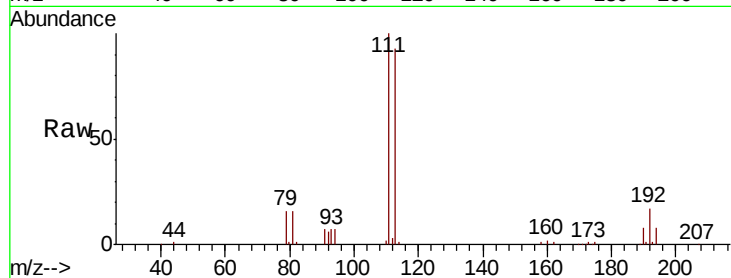
Tot Ion:113 Resp: 93066

Ion Ratio Lower Upper

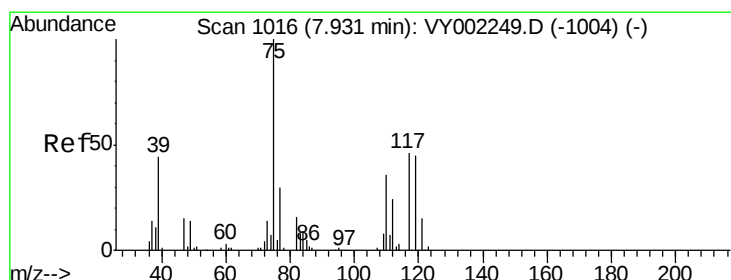
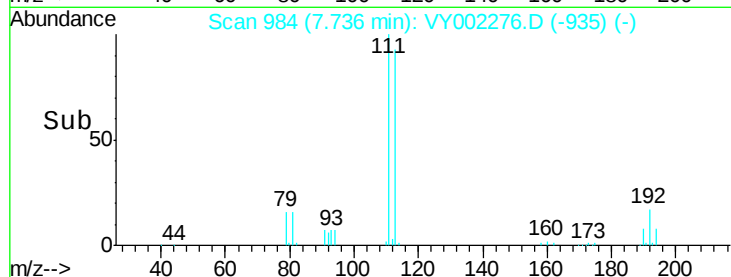
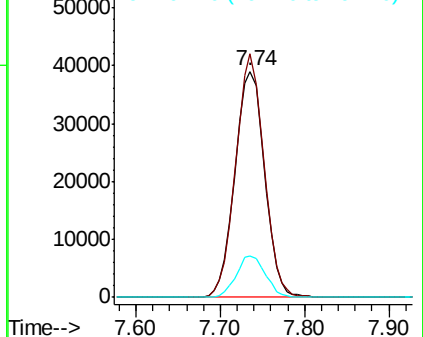
113 100

111 102.0 83.5 125.3

192 18.0 14.7 22.1



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.256 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY002276.D

Acq: 13 Apr 2020 13:37

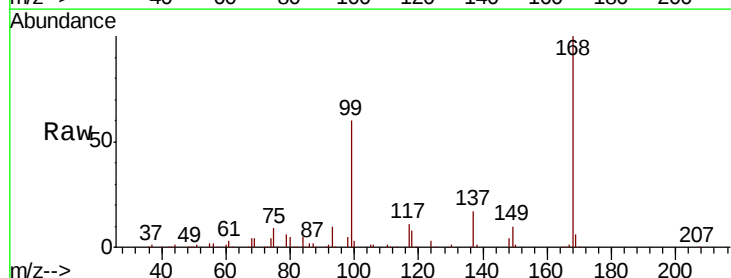
Tgt Ion: 75 Resp: 12885

Ion Ratio Lower Upper

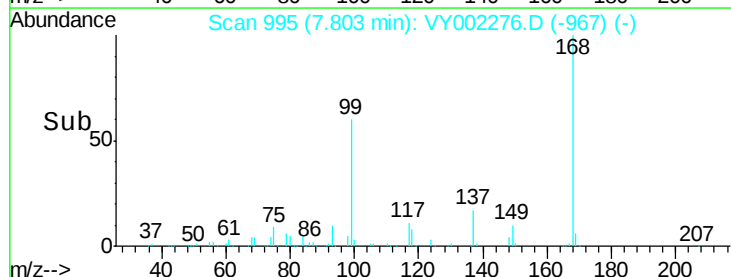
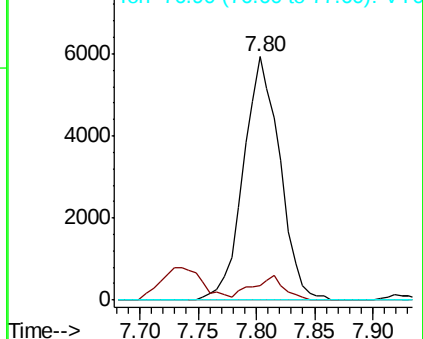
75 100

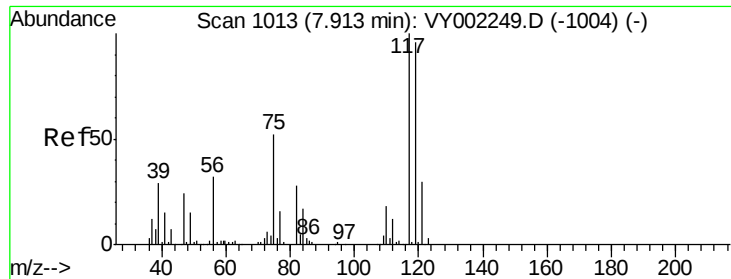
110 8.8 17.8 53.3#

77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VY0

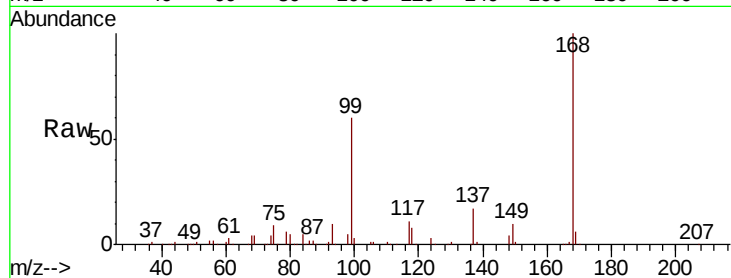




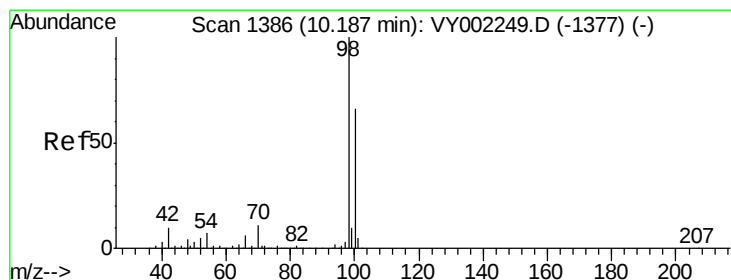
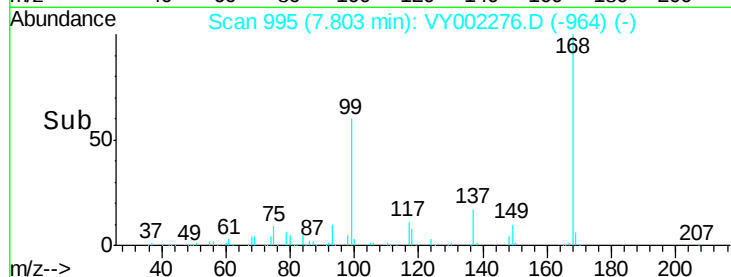
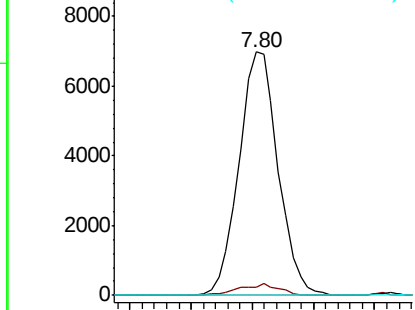
#38
Carbon Tetrachloride
Concen: 5.977 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY002276.D
Acq: 13 Apr 2020 13:37

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 15478
Ion Ratio Lower Upper
117 100
119 3.5 77.1 115.7#
121 0.0 23.9 35.9#

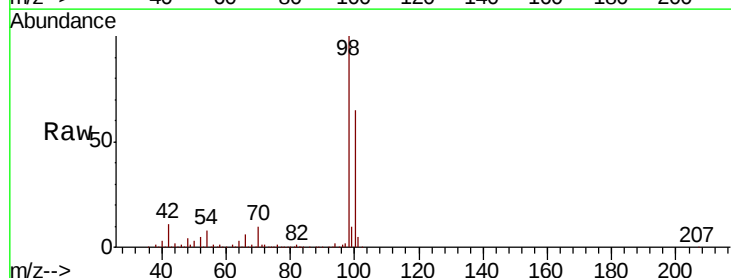


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

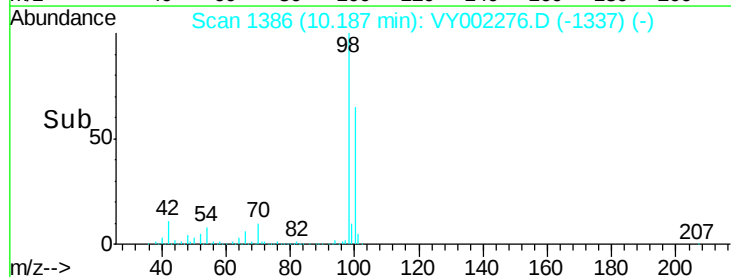
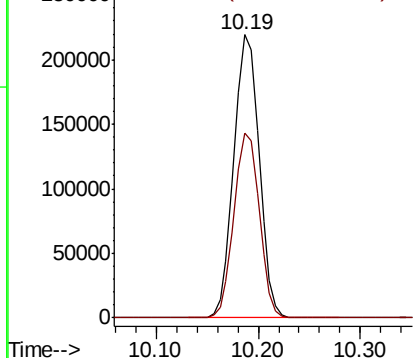


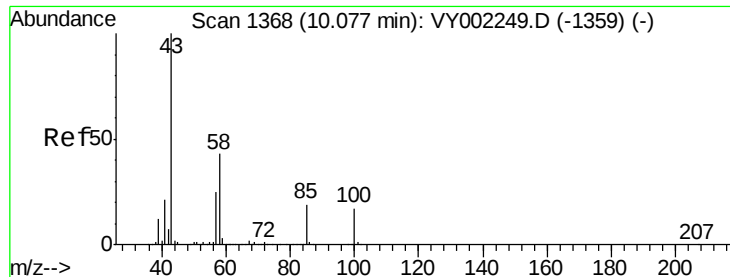
#50
Toluene-d8
Concen: 49.240 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY002276.D
Acq: 13 Apr 2020 13:37

Tgt Ion: 98 Resp: 376908
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 3.145 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VY002276.D

Acq: 13 Apr 2020 13:37

Instrument :

MSVOA_Y

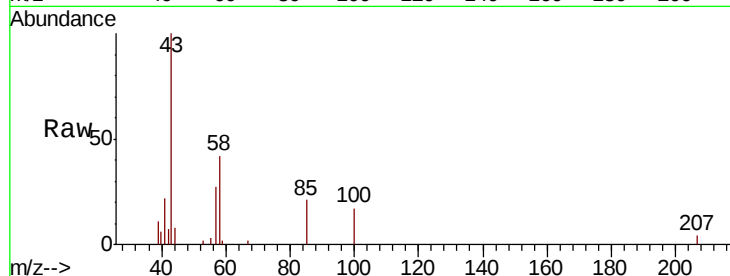
ClientSampleId :

Tot Ion: 43 Resp: 5169

Ion Ratio Lower Upper

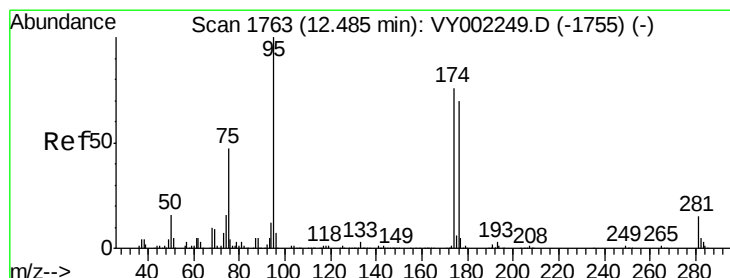
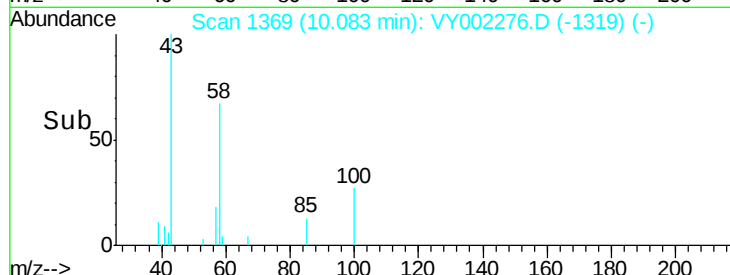
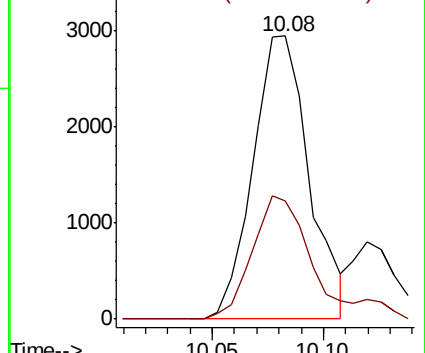
43 100

58 47.5 33.8 50.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 53.370 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002276.D

Acq: 13 Apr 2020 13:37

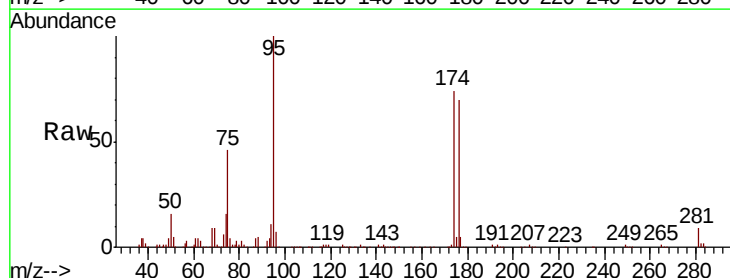
Tgt Ion: 95 Resp: 134776

Ion Ratio Lower Upper

95 100

174 71.8 0.0 150.6

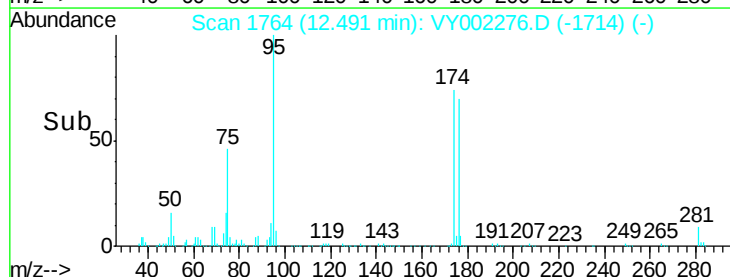
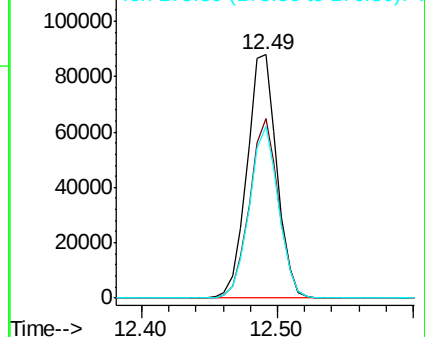
176 69.0 0.0 141.4

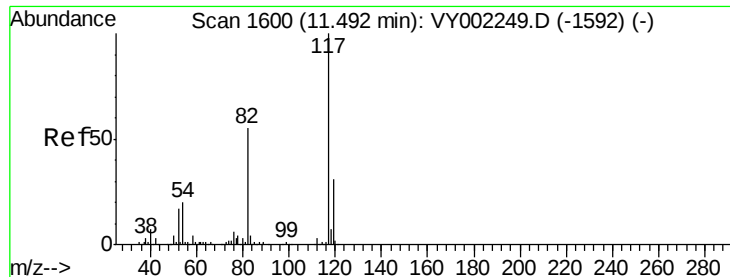


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

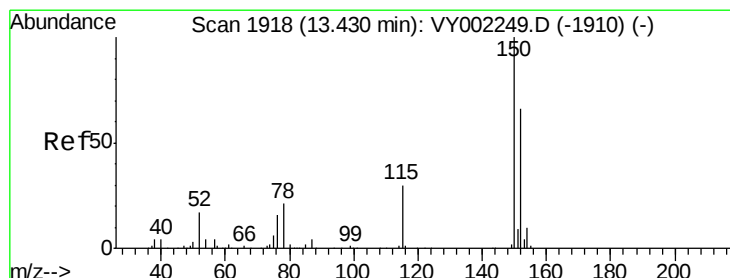
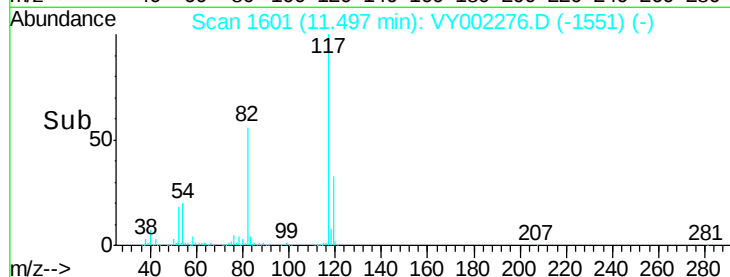
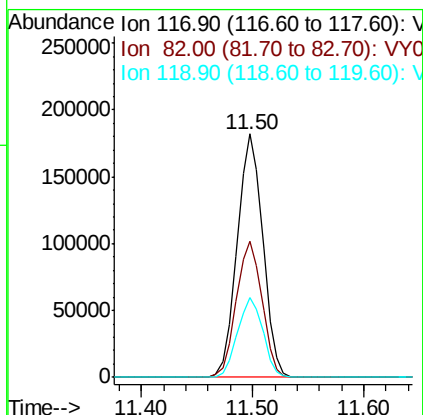
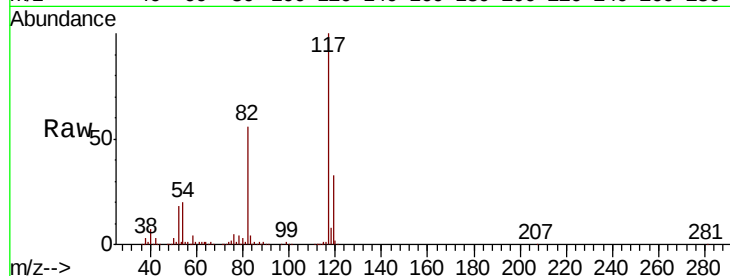




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002276.D
Acq: 13 Apr 2020 13:37

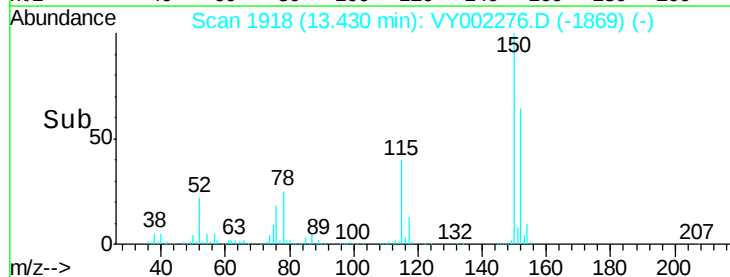
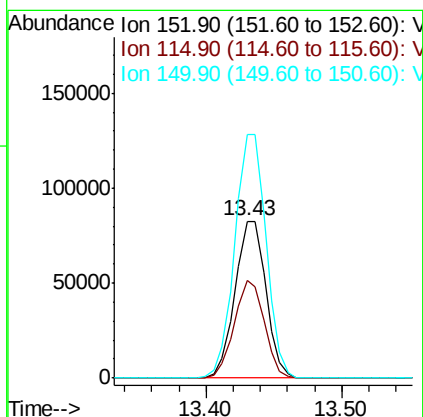
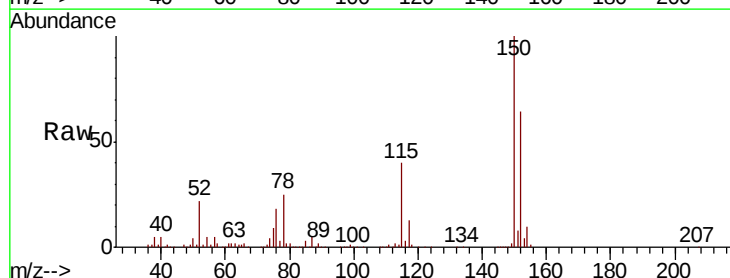
Instrument :
MSVOA_Y
ClientSampleId :

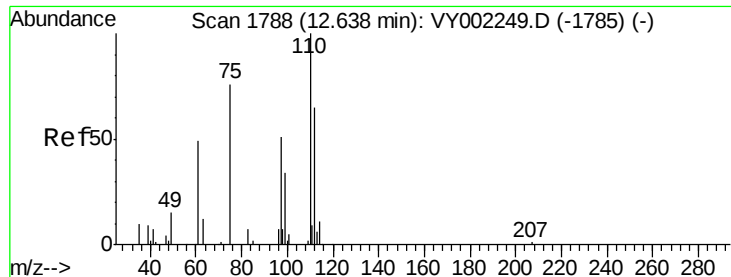
Tot Ion:117 Resp: 289468
Ion Ratio Lower Upper
117 100
82 56.1 44.2 66.4
119 32.9 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY002276.D
Acq: 13 Apr 2020 13:37

Tgt Ion:152 Resp: 130613
Ion Ratio Lower Upper
152 100
115 60.6 30.7 92.1
150 157.4 0.0 350.6





#76

1,2,3-Trichloropropane

Concen: 43.315 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002276.D

Acq: 13 Apr 2020 13:37

Instrument :

MSVOA_Y

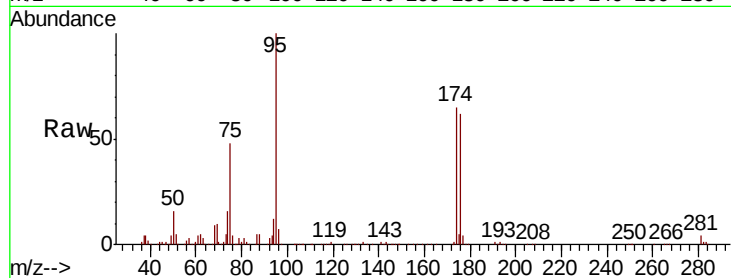
ClientSampleId :

Tot Ion: 75 Resp: 65696

Ion Ratio Lower Upper

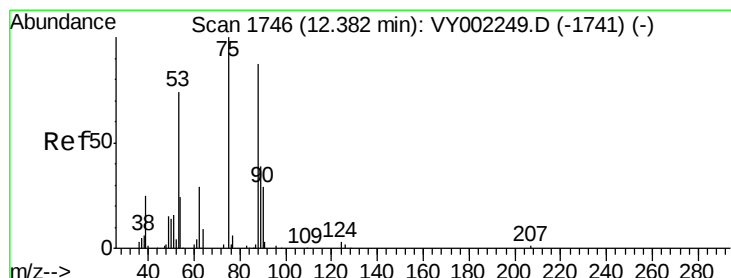
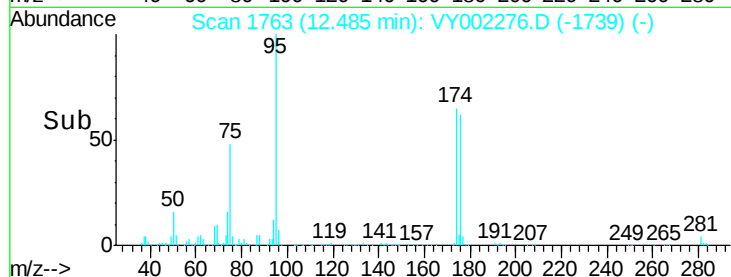
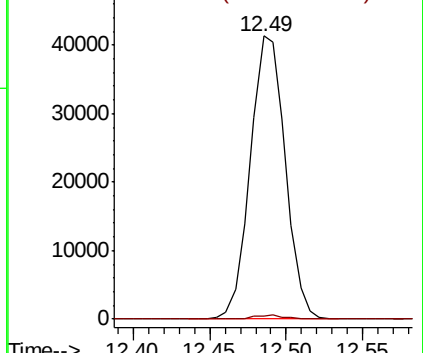
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 84.247 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002276.D

Acq: 13 Apr 2020 13:37

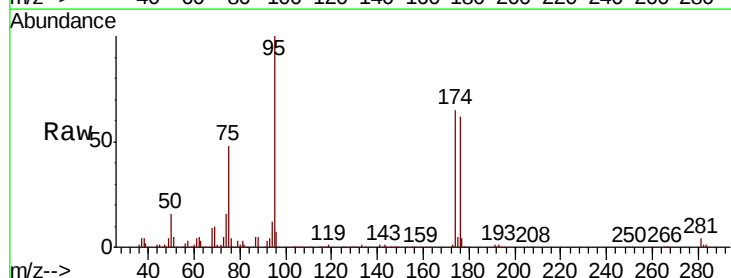
Tgt Ion: 75 Resp: 65696

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

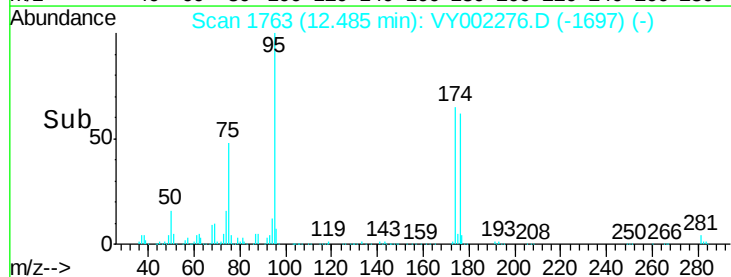
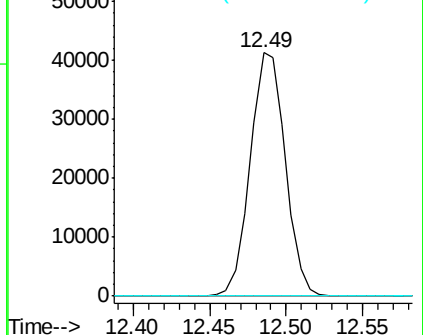
89 0.0 37.0 55.6#

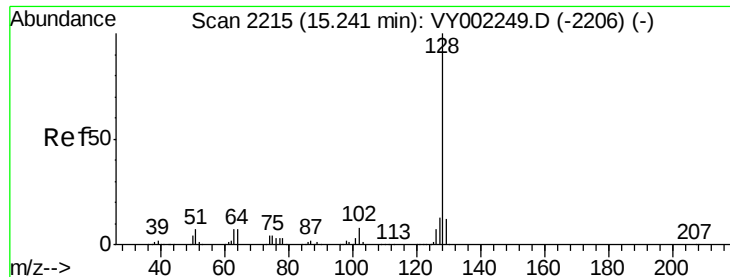


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

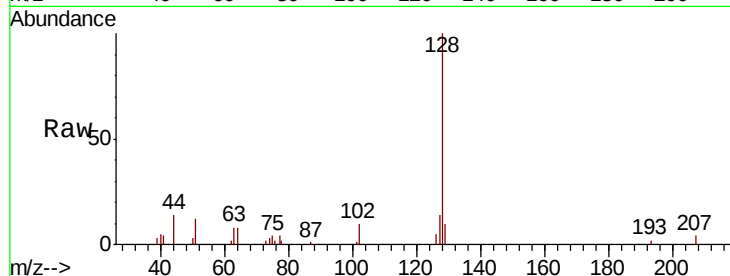




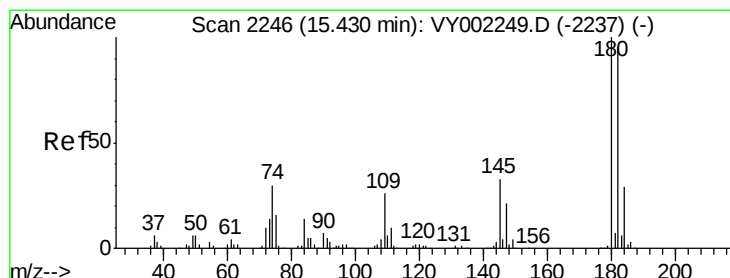
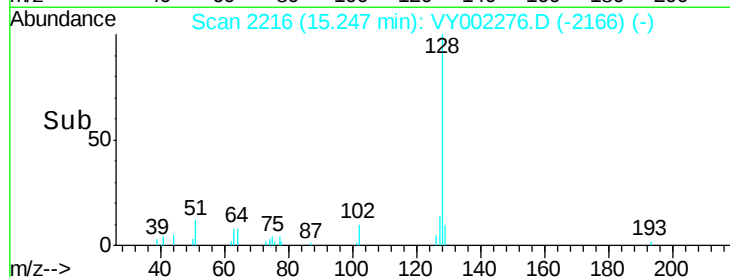
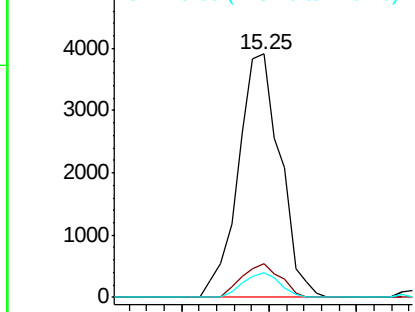
#95
Naphthalene
Concen: 1.143 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY002276.D
Acq: 13 Apr 2020 13:37

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 6504
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 8.8 8.7 13.1

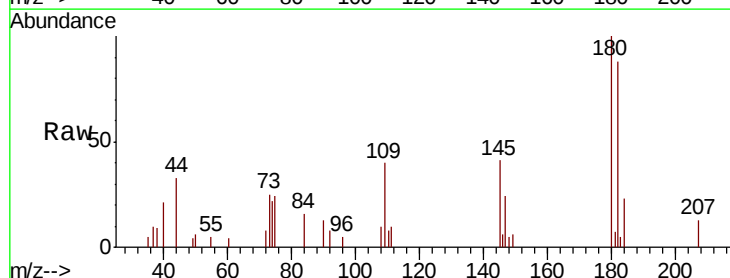


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 1.078 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.00 min
Lab File: VY002276.D
Acq: 13 Apr 2020 13:37

Tgt Ion:180 Resp: 2433
Ion Ratio Lower Upper
180 100
182 88.3 47.1 141.3
145 31.6 16.7 50.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

