

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY022420\
 Data File : VY001770.D
 Acq On : 24 Feb 2020 16:49
 Operator : SY/MD
 Sample : L1367-05
 Misc : 8.11G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-022420

Quant Time: Feb 24 18:06:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	164313	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	298476	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	242544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	77284	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	90676	51.30	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.60%	
35) Dibromofluoromethane	7.73	113	86340	50.50	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	101.00%	
50) Toluene-d8	10.19	98	352577	52.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.28%	
62) 4-Bromofluorobenzene	12.49	95	97766	37.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.14%	

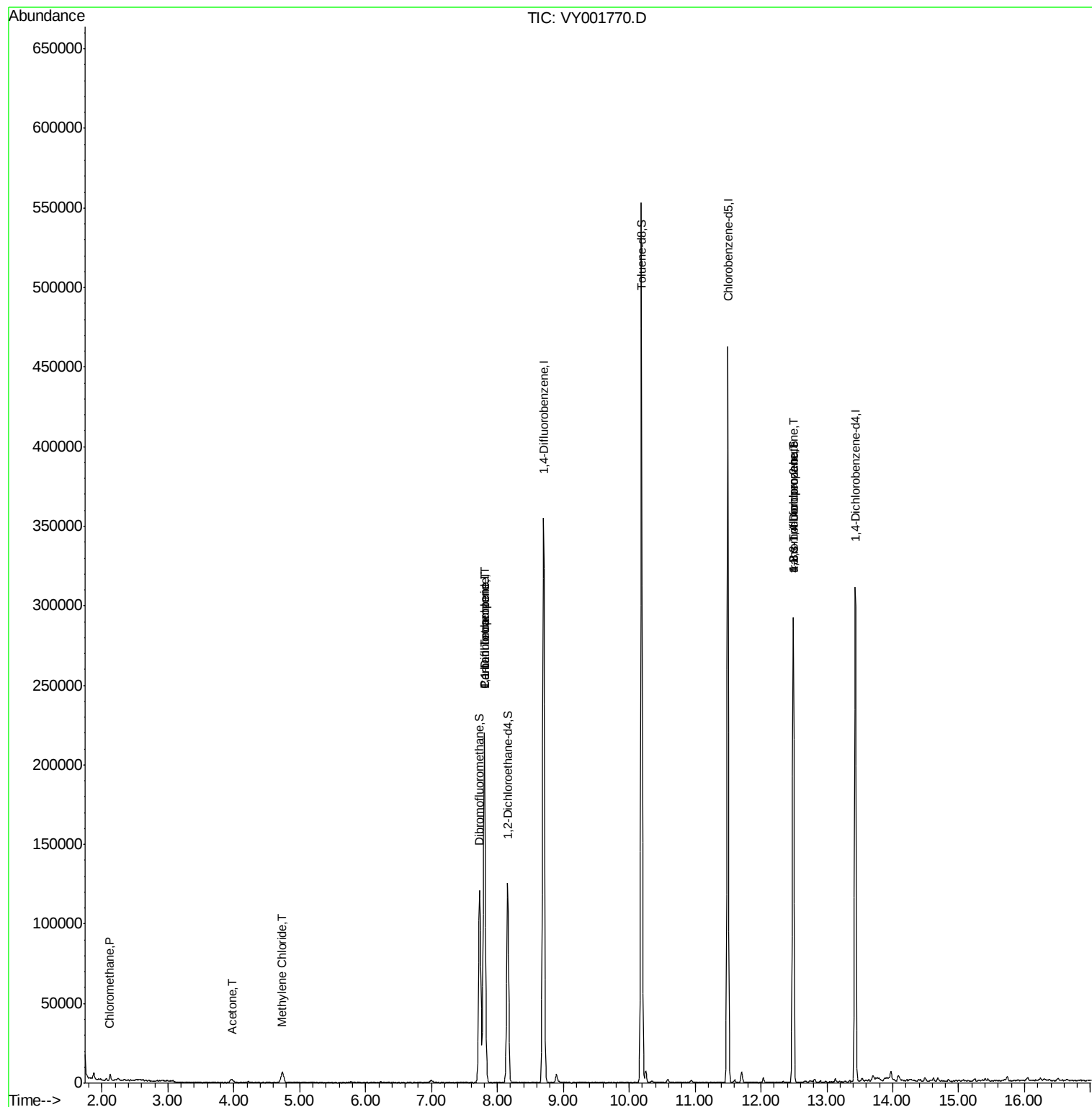
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	3877	1.80	ug/l	100
11) Tert butyl alcohol	4.95	59	35	Below Cal	#	74
16) Acetone	3.97	43	4310	7.05	ug/l	89
20) Methylene Chloride	4.73	84	4890	2.25	ug/l	93
36) 1,1-Dichloropropene	7.80	75	13843	4.86	ug/l	# 50
38) Carbon Tetrachloride	7.80	117	16544	6.61	ug/l	# 16
58) 2-Chloroethyl Vinyl ether	9.63	63	24	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.49	75	50251	56.68	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.49	75	50251	107.53	ug/l	# 17

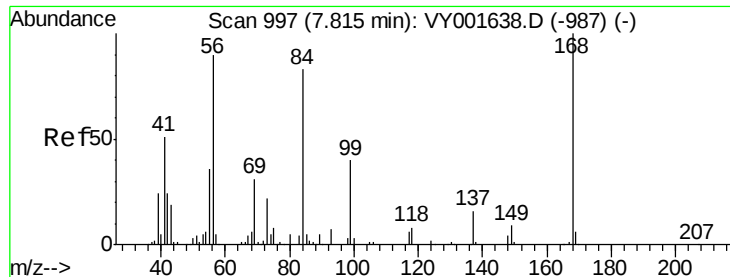
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001770.D

Acq: 24 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

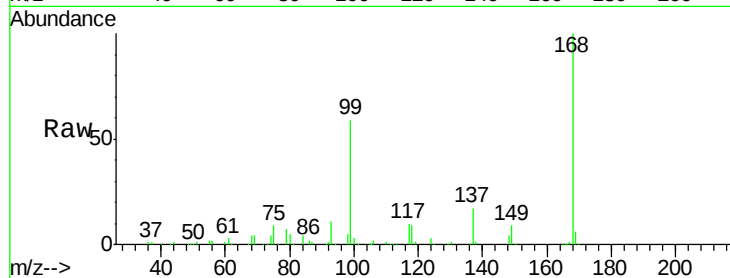
OK-02-022420

Tgt Ion:168 Resp: 164313

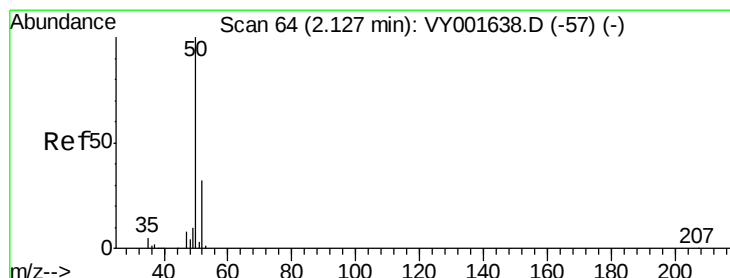
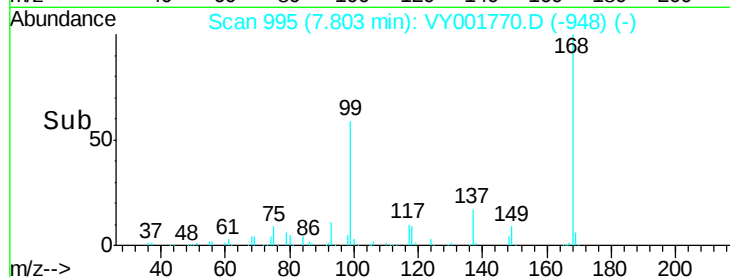
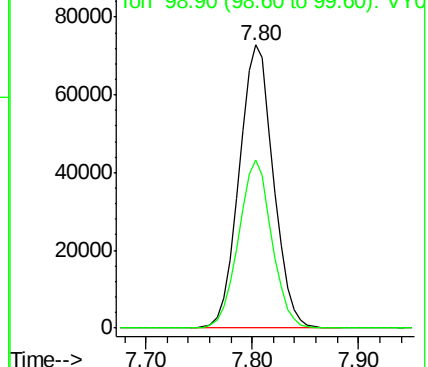
Ion Ratio Lower Upper

168 100

99 59.3 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001770.D (-948) (-)



#3

Chloromethane

Concen: 1.80 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001770.D

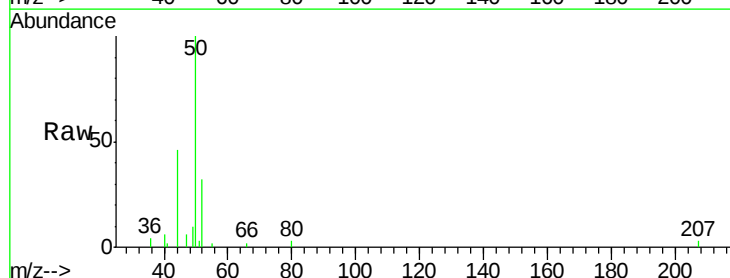
Acq: 24 Feb 2020 16:49

Tgt Ion: 50 Resp: 3877

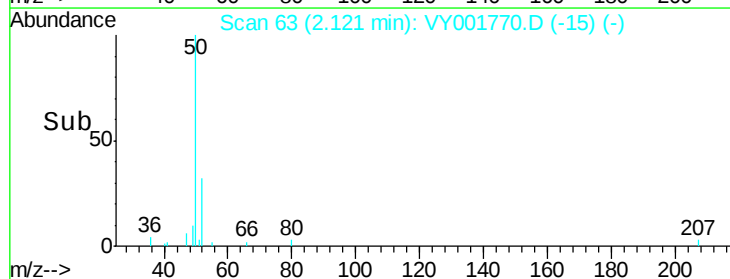
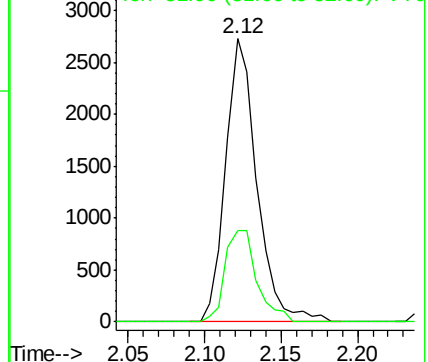
Ion Ratio Lower Upper

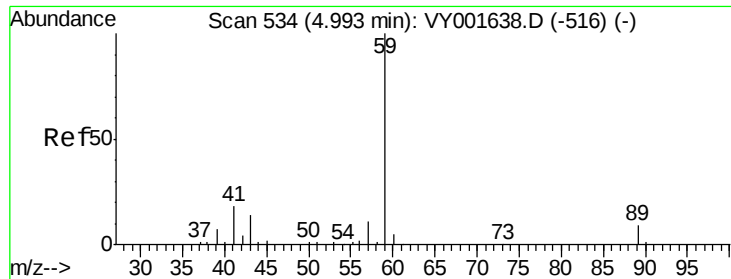
50 100

52 32.2 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY001770.D (-15) (-)



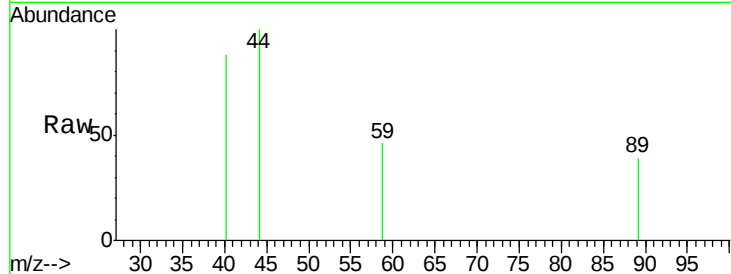


#11

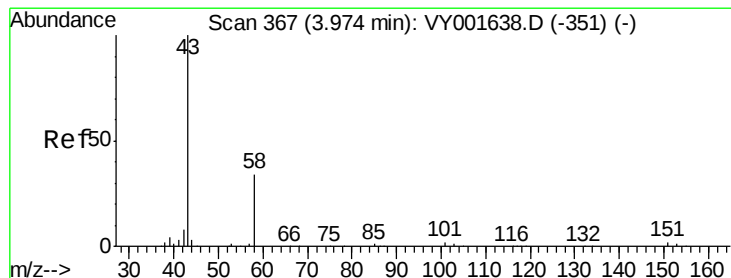
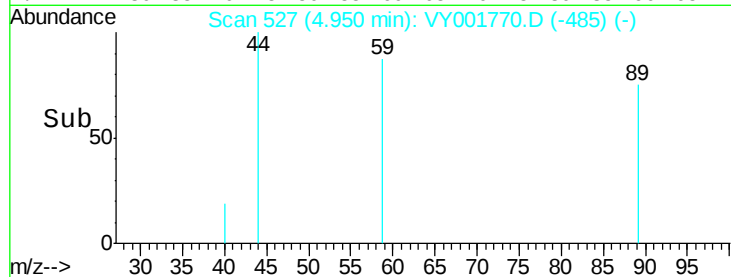
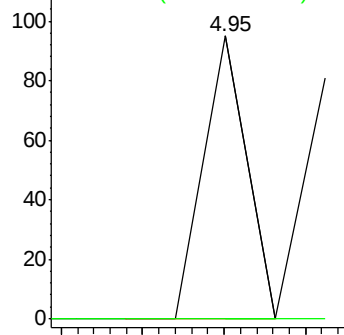
Tert butyl alcohol
 Concen: Below Cal
 RT: 4.95 min Scan# 527
 Delta R.T. -0.04 min
 Lab File: VY001770.D
 Acq: 24 Feb 2020 16:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-022420

Tgt Ion: 59 Resp: 35
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#



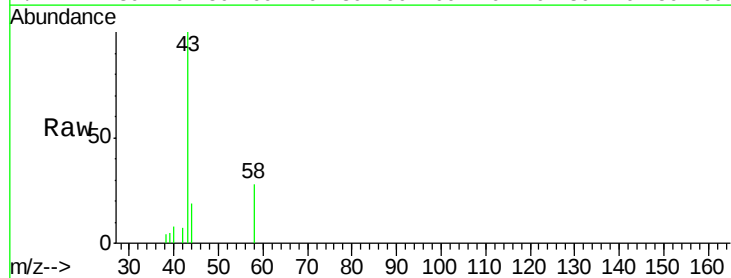
Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



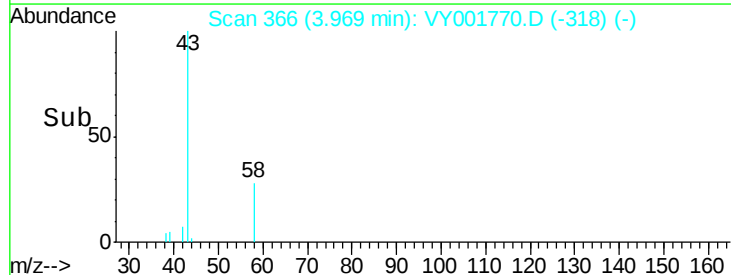
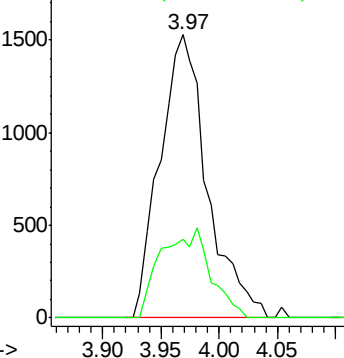
#16

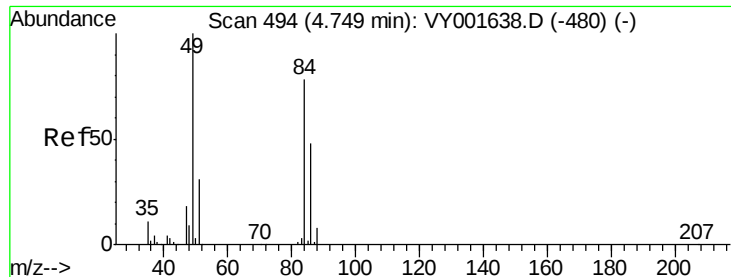
Acetone
 Concen: 7.05 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VY001770.D
 Acq: 24 Feb 2020 16:49

Tgt Ion: 43 Resp: 4310
 Ion Ratio Lower Upper
 43 100
 58 27.7 27.3 40.9



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





#20

Methylene Chloride

Concen: 2.25 ug/l

RT: 4.73 min Scan# 491

Delta R.T. -0.02 min

Lab File: VY001770.D

Acq: 24 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-022420

Tgt Ion: 84 Resp: 4890

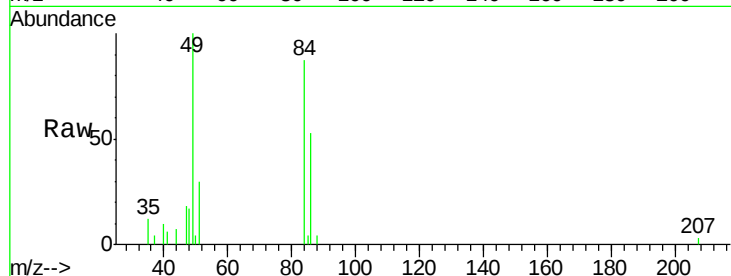
Ion Ratio Lower Upper

84 100

49 114.7 99.2 148.8

51 34.1 31.5 47.3

86 60.3 51.0 76.6

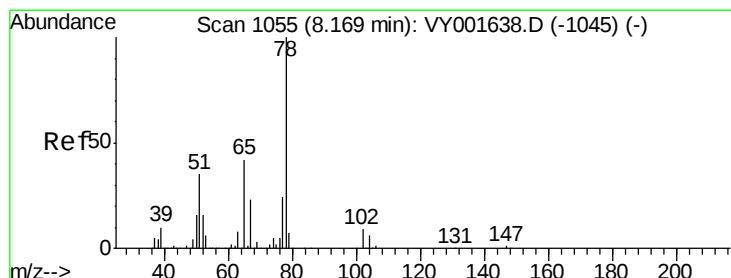
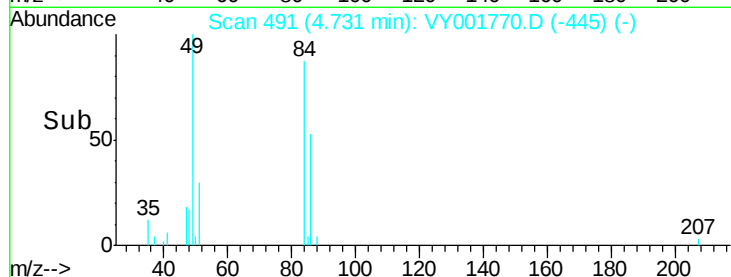
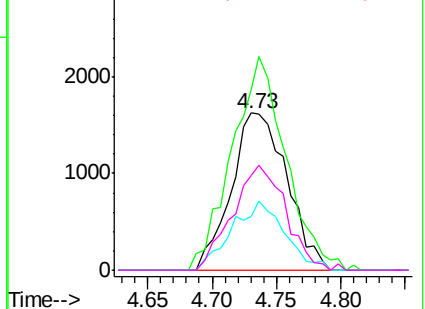


Abundance Ion 83.90 (83.60 to 84.60): VY0

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



#33

1,2-Dichloroethane-d4

Concen: 51.30 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001770.D

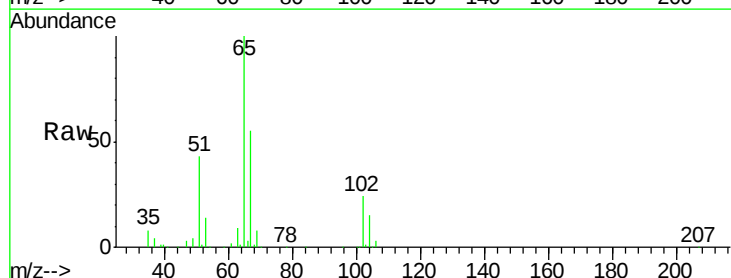
Acq: 24 Feb 2020 16:49

Tgt Ion: 65 Resp: 90676

Ion Ratio Lower Upper

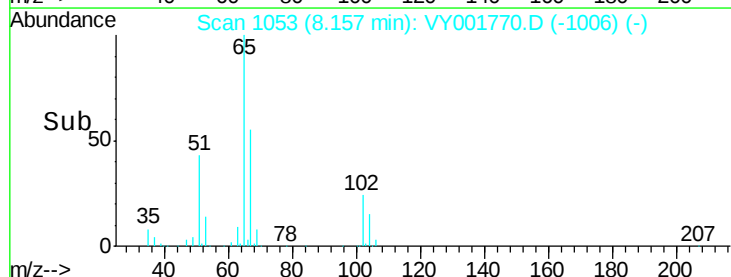
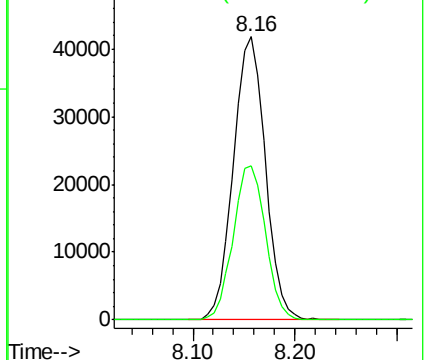
65 100

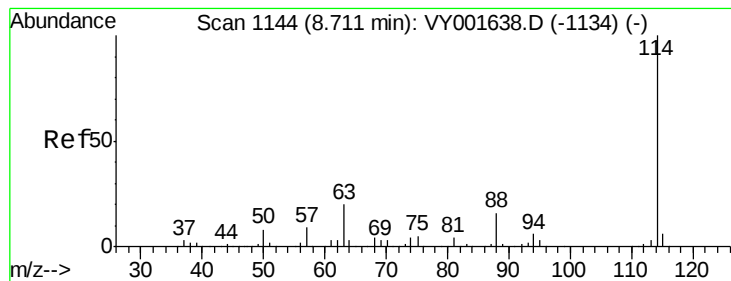
67 55.3 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY001770.D

Acq: 24 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-022420

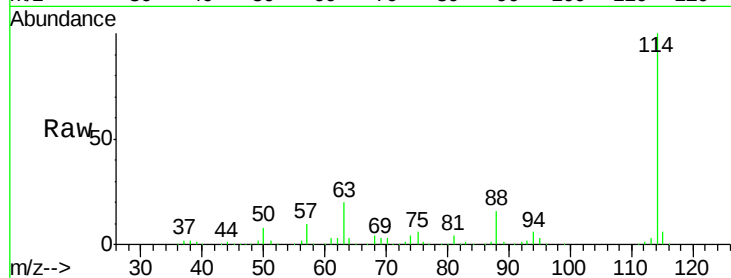
Tgt Ion:114 Resp: 298476

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.4

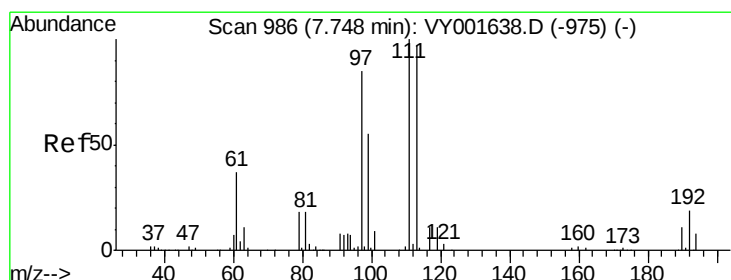
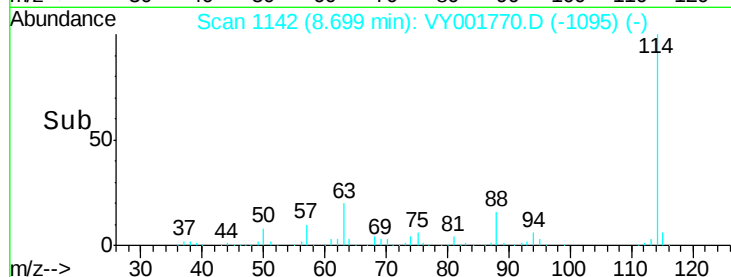
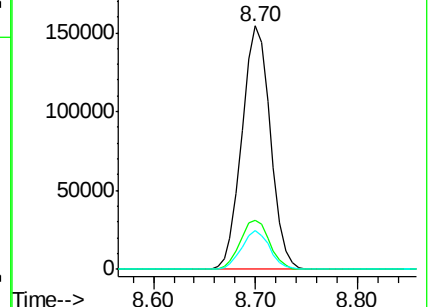
88 15.9 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 50.50 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.02 min

Lab File: VY001770.D

Acq: 24 Feb 2020 16:49

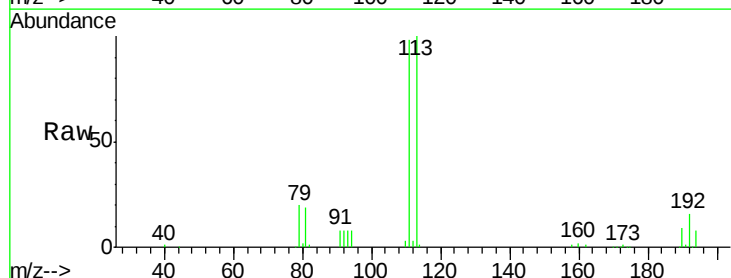
Tgt Ion:113 Resp: 86340

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

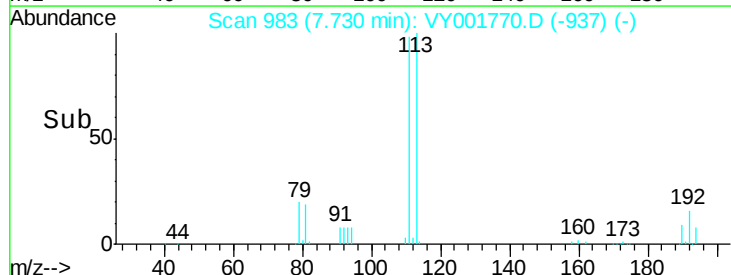
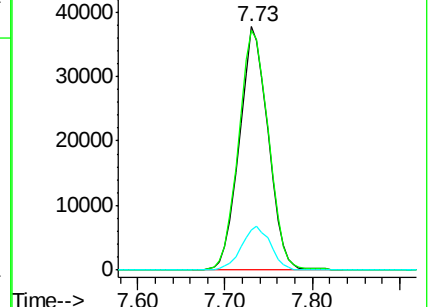
192 18.1 14.3 21.5

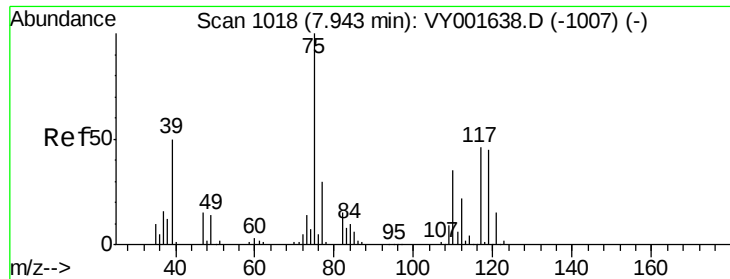


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.86 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.14 min

Lab File: VY001770.D

Acq: 24 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-022420

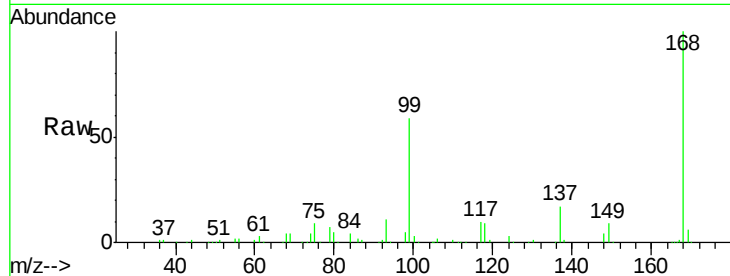
Tgt Ion: 75 Resp: 13843

Ion Ratio Lower Upper

75 100

110 8.4 17.2 51.6#

77 0.0 24.8 37.2#

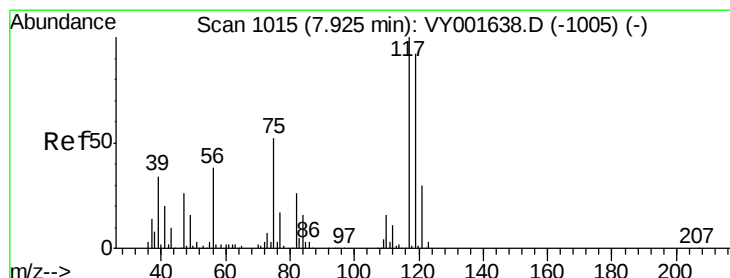
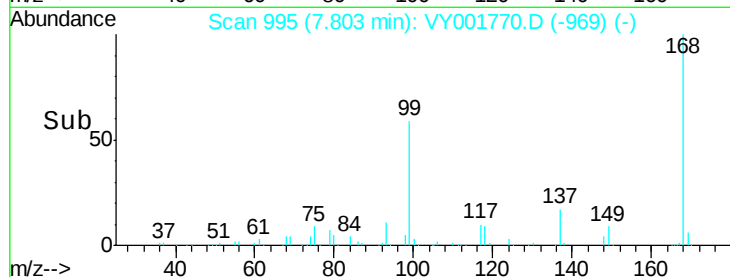


Abundance Ion 74.90 (74.60 to 75.60): VY001638.D (-1007) (-)

Ion 109.90 (109.60 to 110.60): VY001638.D (-1007) (-)

Ion 76.90 (76.60 to 77.60): VY001638.D (-1007) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.61 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY001770.D

Acq: 24 Feb 2020 16:49

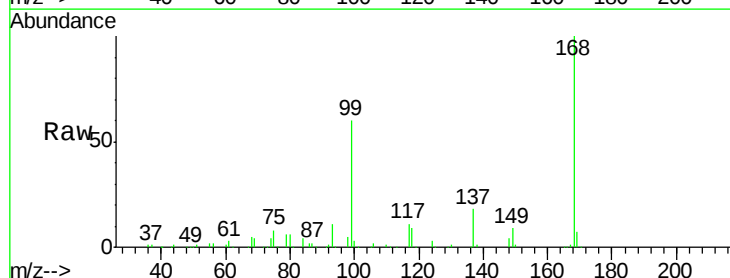
Tgt Ion: 117 Resp: 16544

Ion Ratio Lower Upper

117 100

119 3.7 74.8 112.2#

121 0.0 23.8 35.6#

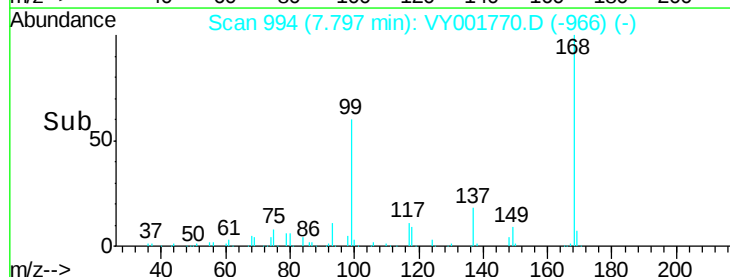


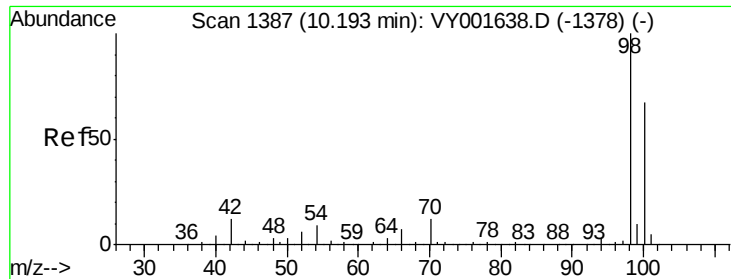
Abundance Ion 116.80 (116.50 to 117.50): VY001638.D (-1005) (-)

Ion 118.80 (118.50 to 119.50): VY001638.D (-1005) (-)

Ion 120.80 (120.50 to 121.50): VY001638.D (-1005) (-)

Time-->





#50

Toluene-d8

Concen: 52.64 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001770.D

Acq: 24 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

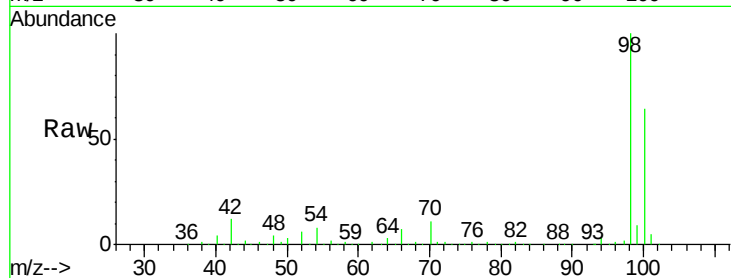
OK-02-022420

Tgt Ion: 98 Resp: 352577

Ion Ratio Lower Upper

98 100

100 66.4 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001638.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001770.D (-1273) (-)

10.19

200000

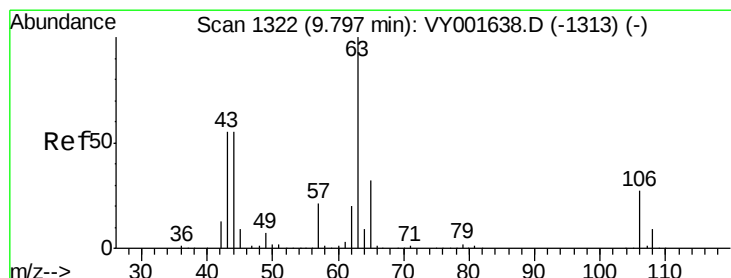
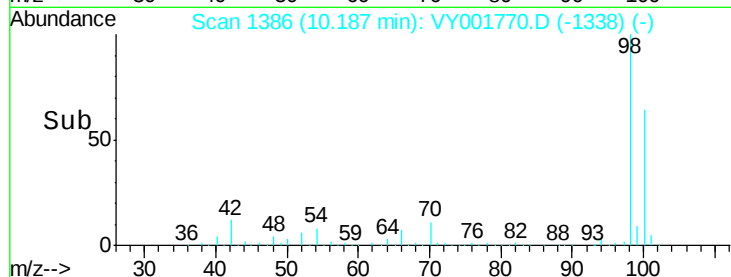
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 9.63 min Scan# 1294

Delta R.T. -0.17 min

Lab File: VY001770.D

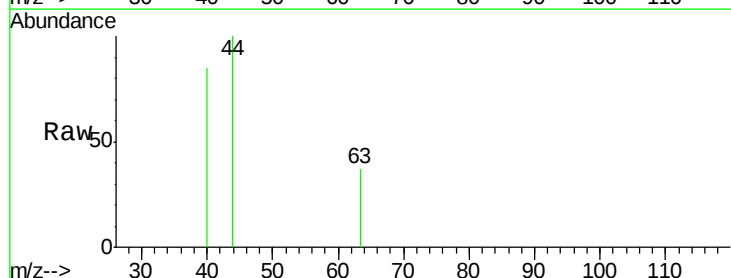
Acq: 24 Feb 2020 16:49

Tgt Ion: 63 Resp: 24

Ion Ratio Lower Upper

63 100

106 0.0 21.6 32.4#



Abundance Ion 62.90 (62.60 to 63.60): VY001638.D (-1313) (-)

Ion 105.90 (105.60 to 106.60): VY001770.D (-1273) (-)

9.63

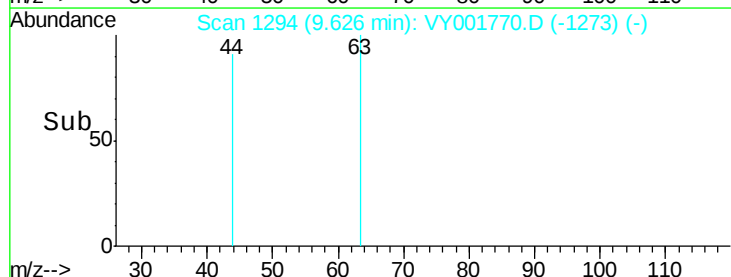
60

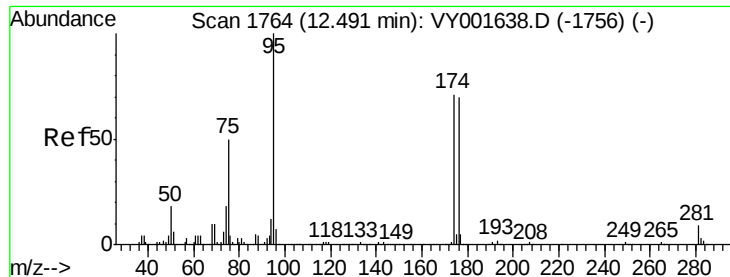
40

20

0

Time-->

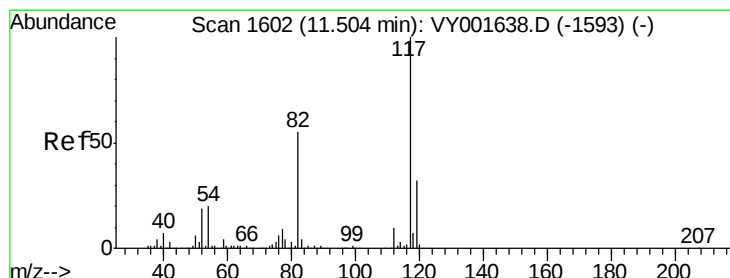
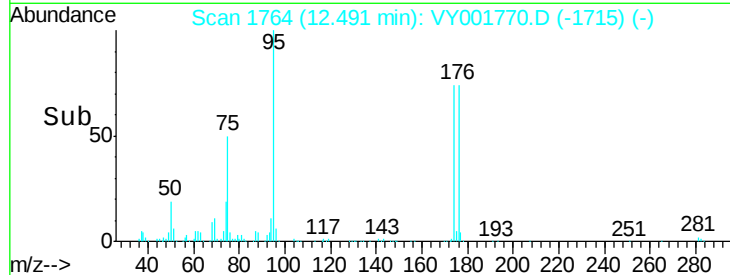
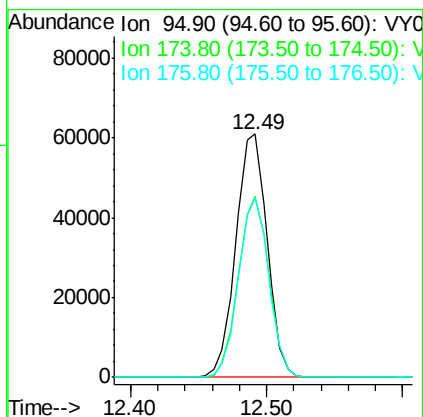
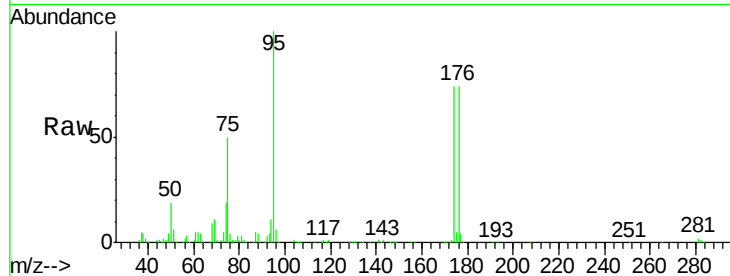




#62
4-Bromofluorobenzene
Concen: 37.57 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY001770.D
Acq: 24 Feb 2020 16:49

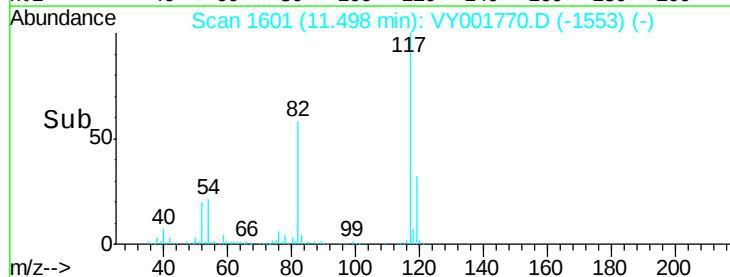
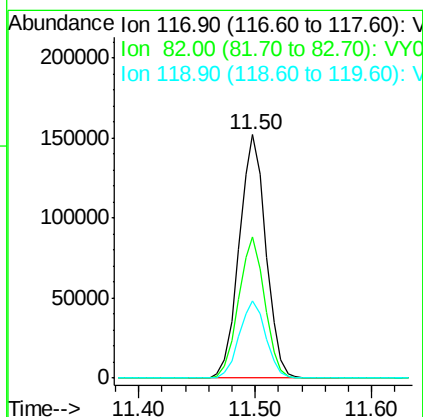
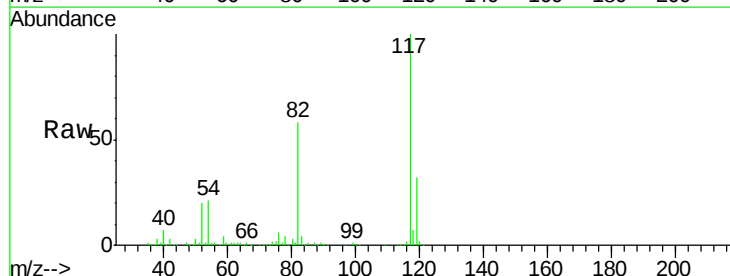
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-022420

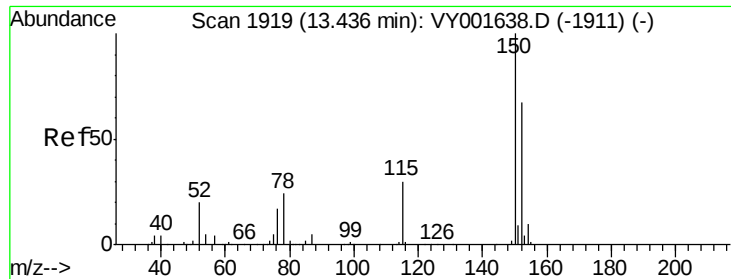
Tgt Ion: 95 Resp: 97766
Ion Ratio Lower Upper
95 100
174 72.9 0.0 138.4
176 71.4 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001770.D
Acq: 24 Feb 2020 16:49

Tgt Ion: 117 Resp: 242544
Ion Ratio Lower Upper
117 100
82 58.2 45.5 68.3
119 31.9 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001770.D

Acq: 24 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-022420

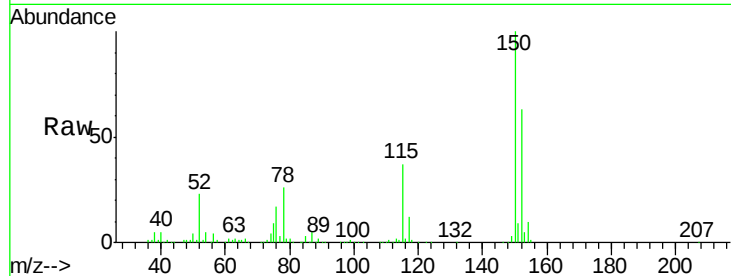
Tgt Ion:152 Resp: 77284

Ion Ratio Lower Upper

152 100

115 60.9 31.4 94.2

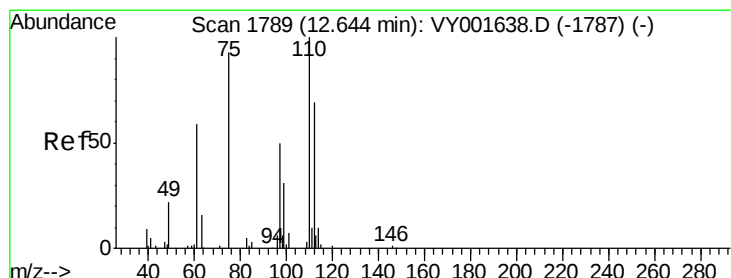
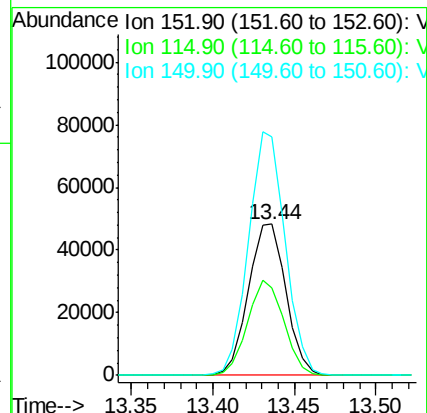
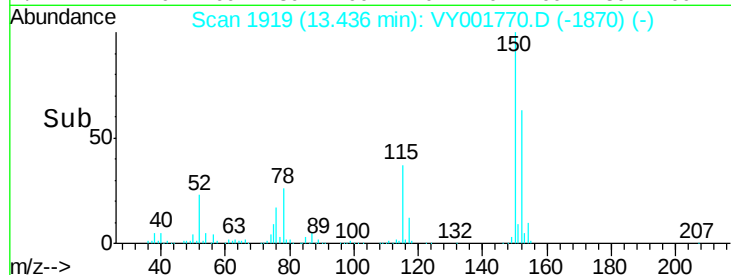
150 157.4 0.0 407.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 56.68 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001770.D

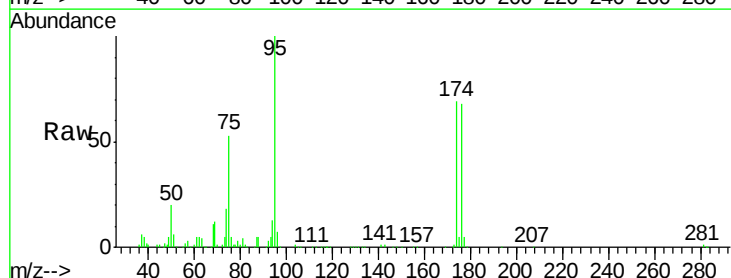
Acq: 24 Feb 2020 16:49

Tgt Ion: 75 Resp: 50251

Ion Ratio Lower Upper

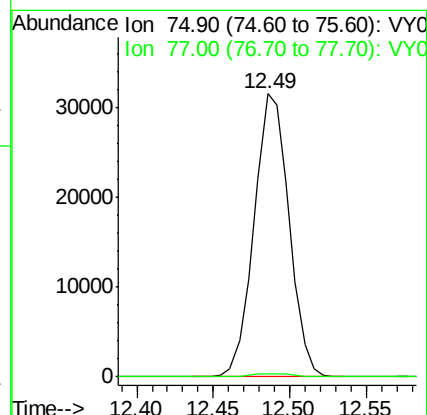
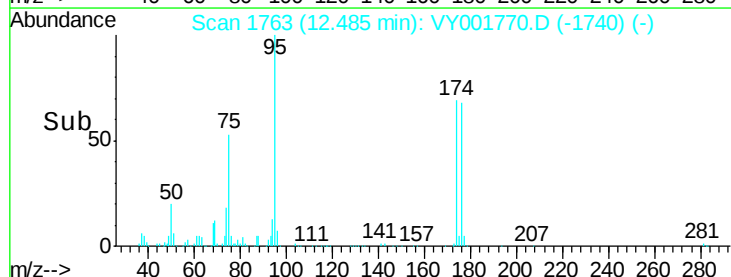
75 100

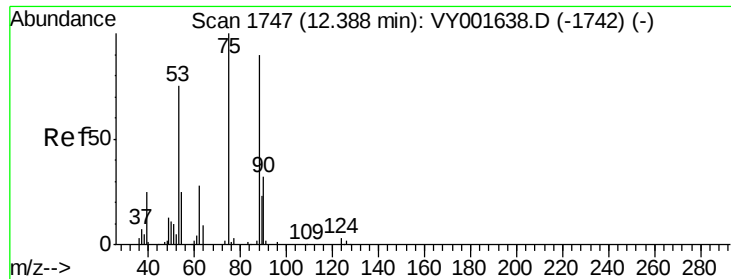
77 1.3 0.0 0.0#



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: 107.53 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001770.D

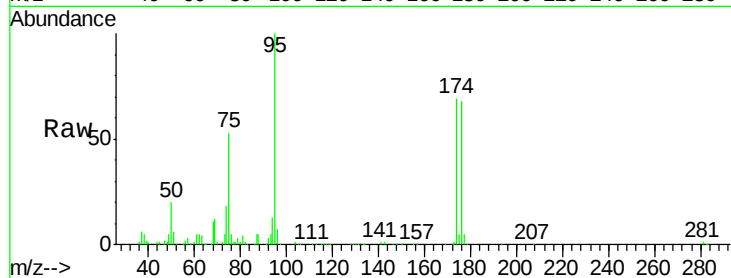
Acq: 24 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-022420



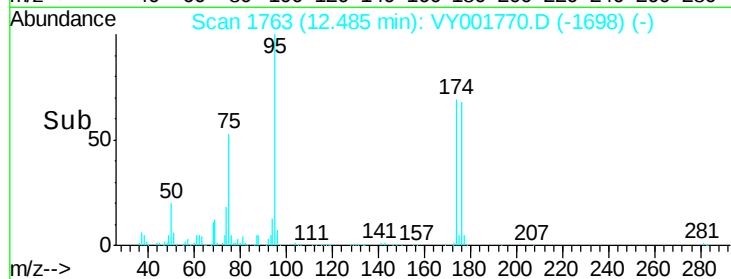
Tgt Ion: 75 Resp: 50251

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 36.3 54.5#



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

