

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110619\
 Data File : VY000546.D
 Acq On : 06 Nov 2019 13:19
 Operator : SY/MD
 Sample : K5671-01
 Misc : 7.53G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-110519

Quant Time: Nov 07 04:56:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	206398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	365440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	309244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	129378	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	118524	55.49	ug/l	0.00
Spiked Amount			Recovery	=	110.98%	
35) Dibromofluoromethane	7.73	113	108930	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
50) Toluene-d8	10.18	98	419087	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.48	95	131599	42.46	ug/l	0.00
Spiked Amount			Recovery	=	84.92%	

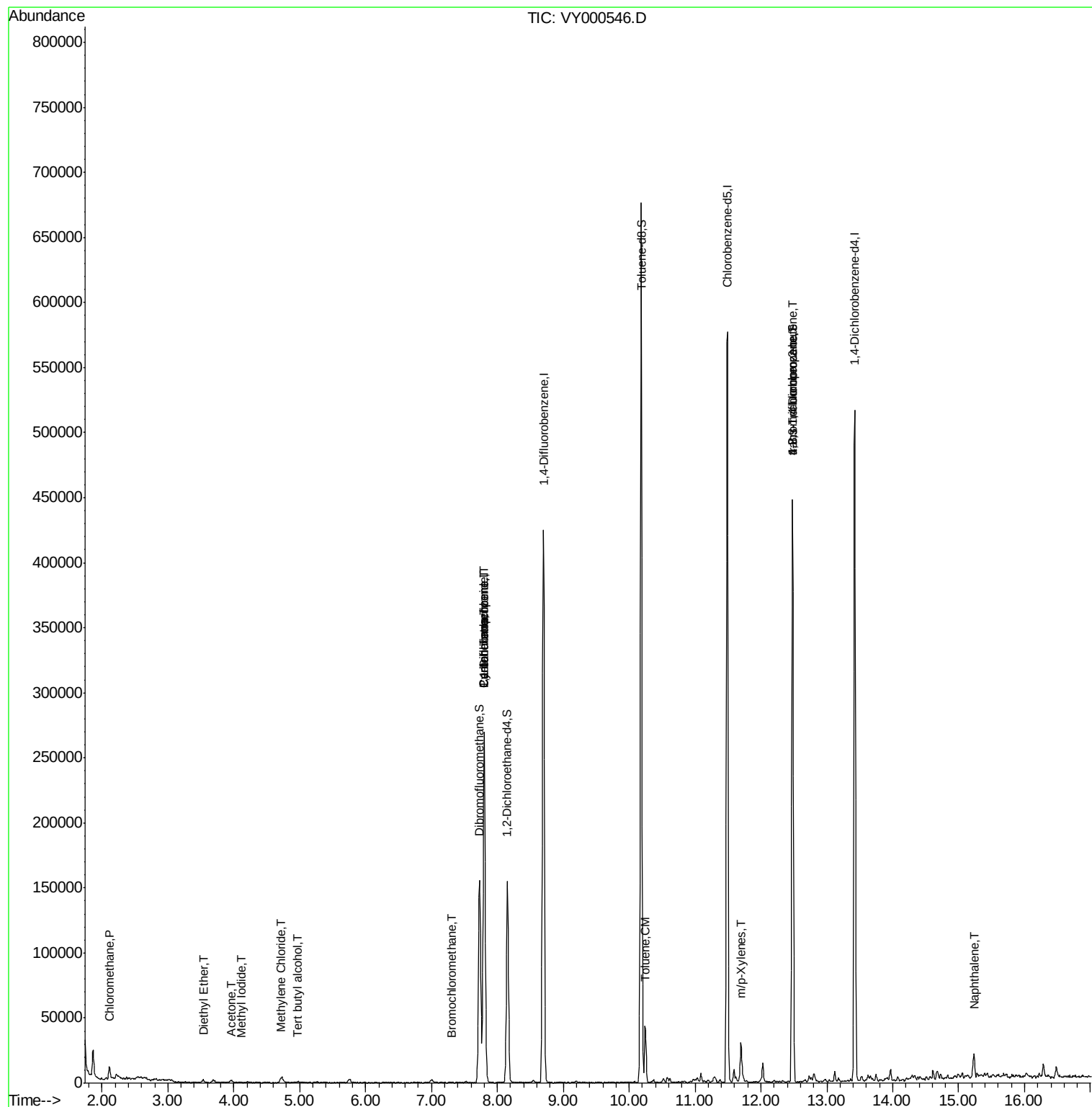
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	8594	3.071	ug/l	97
8) Diethyl Ether	3.54	74	1274	1.021	ug/l	81
10) Methyl Iodide	4.10	142	411	3.337	ug/l #	41
11) Tert butyl alcohol	4.98	59	662	3.184	ug/l #	72
16) Acetone	3.96	43	3225	5.478	ug/l #	76
20) Methylene Chloride	4.72	84	3027	1.200	ug/l #	80
28) Bromochloromethane	7.32	49	60	4.123	ug/l #	14
31) Cyclohexane	7.80	56	4876	1.179	ug/l #	34
36) 1,1-Dichloropropene	7.80	75	16372	4.739	ug/l #	50
38) Carbon Tetrachloride	7.80	117	20273	6.099	ug/l #	15
52) Toluene	10.25	92	17182	2.683	ug/l	100
68) m/p-Xylenes	11.70	106	8689	1.946	ug/l	93
76) 1,2,3-Trichloropropane	12.48	75	71252	48.367	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	71252	108.446	ug/l #	13
95) Naphthalene	15.23	128	13236	2.272	ug/l	98

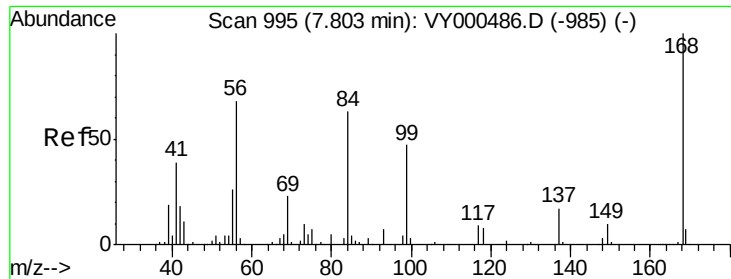
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000546.D

Acq: 06 Nov 2019 13:19

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MSVOA_Y

ClientSampleId :

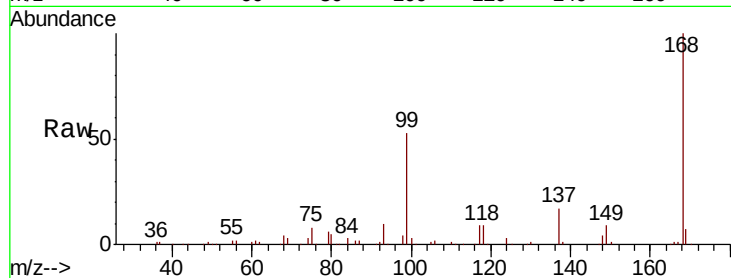
OR-02-110519

Tot Ion:168 Resp: 206398

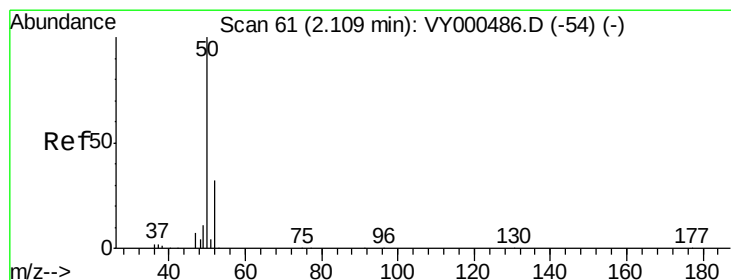
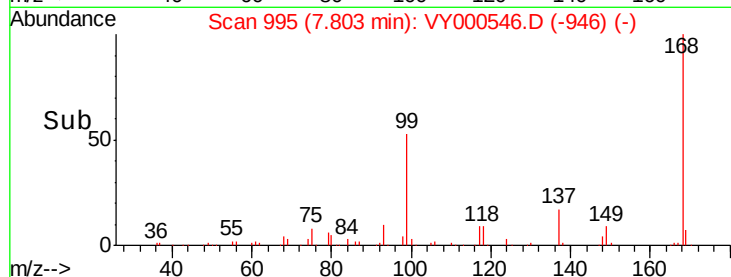
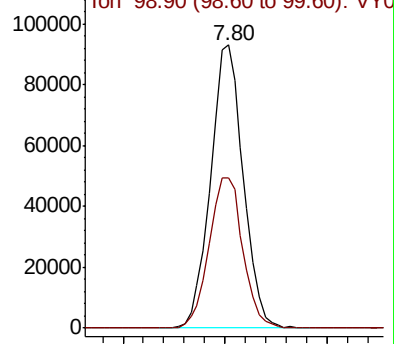
Ion Ratio Lower Upper

168 100

99 52.9 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000546.D (-985) (-)



#3

Chloromethane

Concen: 3.071 ug/l

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY000546.D

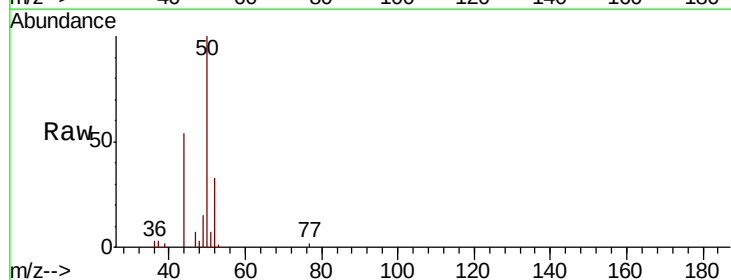
Acq: 06 Nov 2019 13:19

Tgt Ion: 50 Resp: 8594

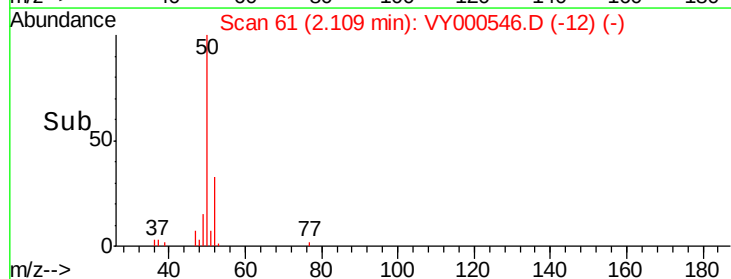
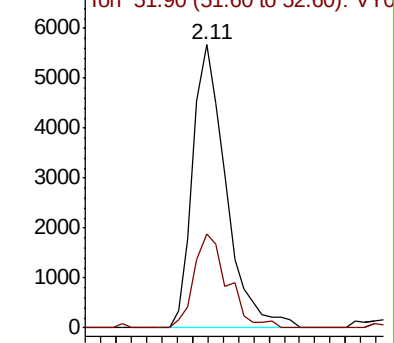
Ion Ratio Lower Upper

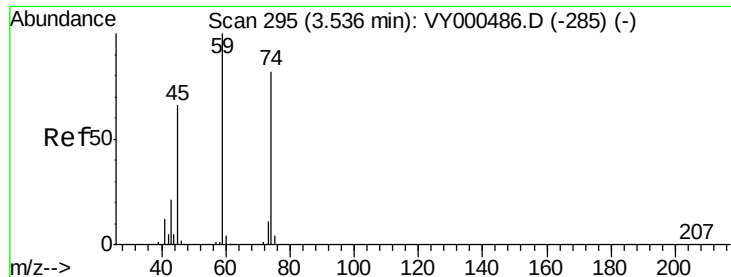
50 100

52 33.4 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VY000546.D (-54) (-)





#8

Diethyl Ether

Concen: 1.021 ug/l

RT: 3.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VY000546.D

Acq: 06 Nov 2019 13:19

Instrument :

MSVOA_Y

ClientSampleId :

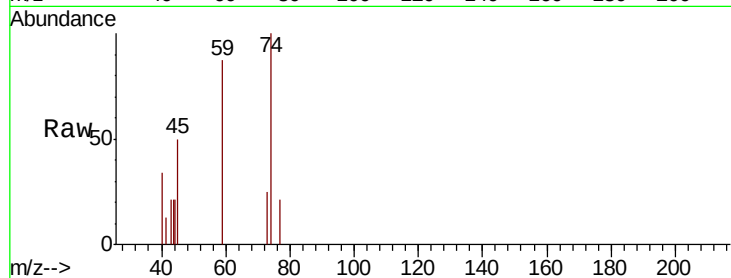
OR-02-110519

Tot Ion: 74 Resp: 1274

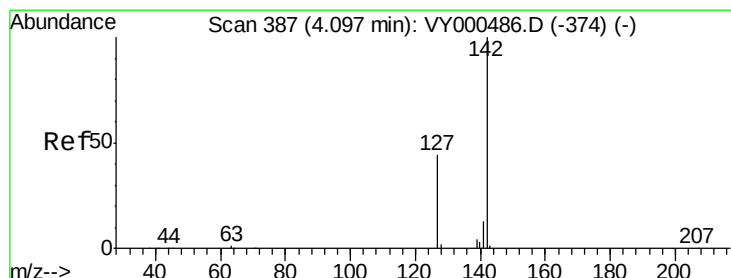
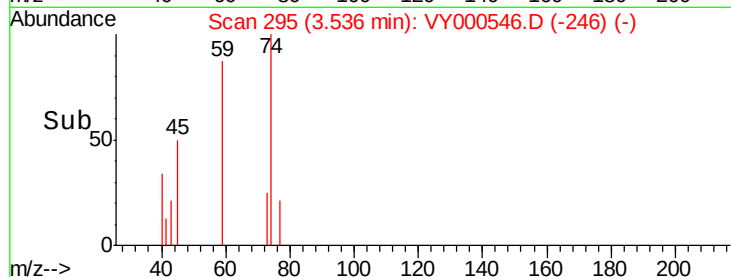
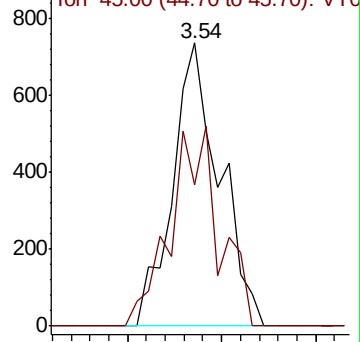
Ion Ratio Lower Upper

74 100

45 72.4 45.5 136.4



Abundance Ion 74.00 (73.70 to 74.70): VY000546.D (-285) (-)



#10

Methyl Iodide

Concen: 3.337 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000546.D

Acq: 06 Nov 2019 13:19

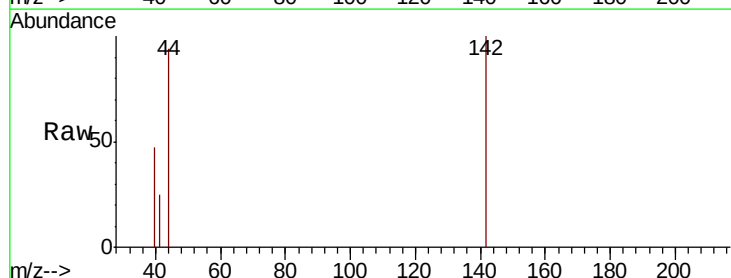
Tgt Ion: 142 Resp: 411

Ion Ratio Lower Upper

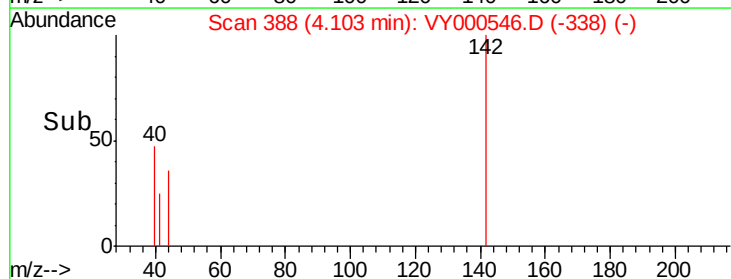
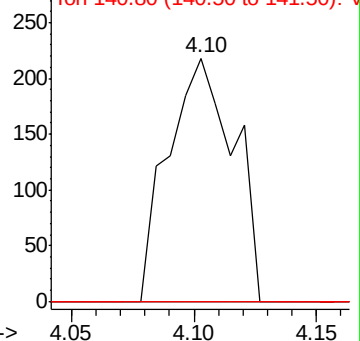
142 100

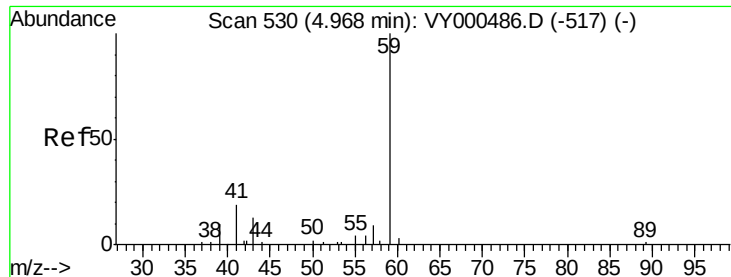
127 0.0 33.7 50.5#

141 0.0 10.9 16.3#



Abundance Ion 141.80 (141.50 to 142.50): VY000546.D (-374) (-)

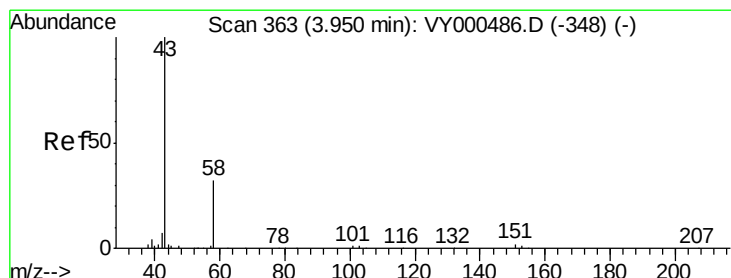
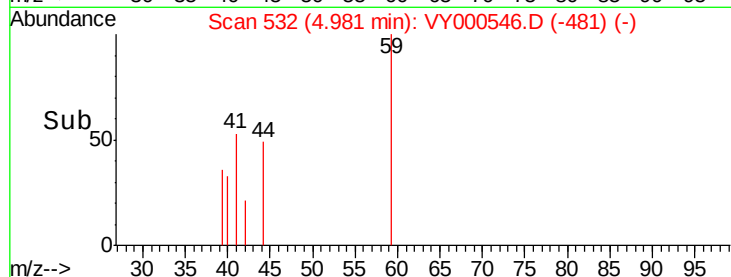
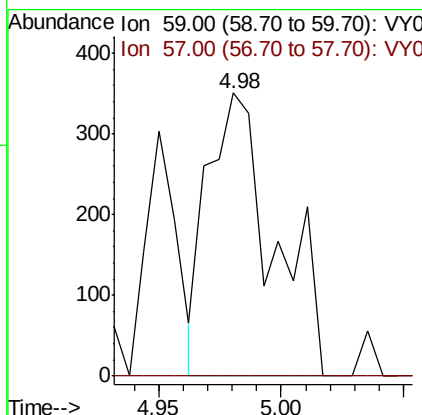
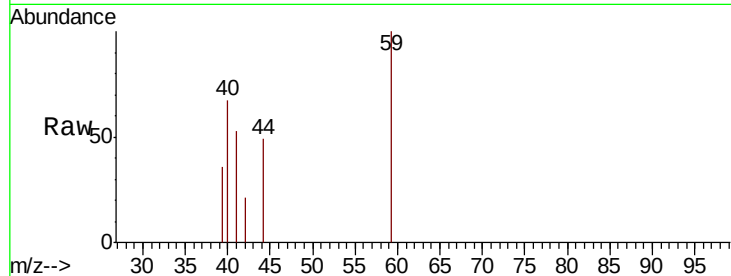




#11
Tert butyl alcohol
Concen: 3.184 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY000546.D
Acq: 06 Nov 2019 13:19

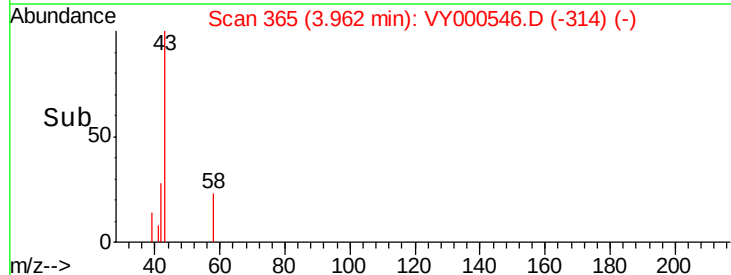
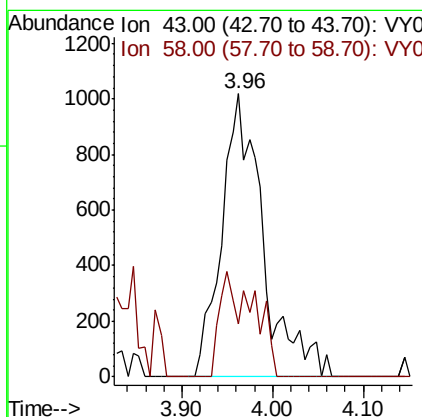
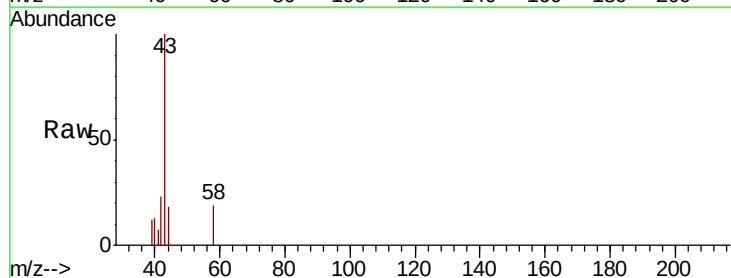
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-110519

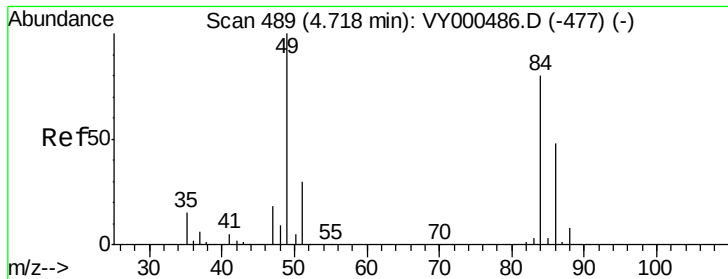
Tot Ion: 59 Resp: 662
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 5.478 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY000546.D
Acq: 06 Nov 2019 13:19

Tgt Ion: 43 Resp: 3225
Ion Ratio Lower Upper
43 100
58 18.7 25.8 38.6#

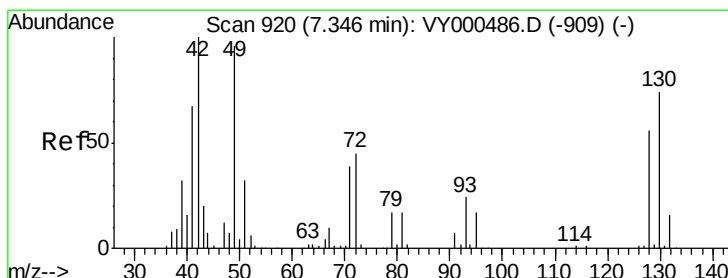
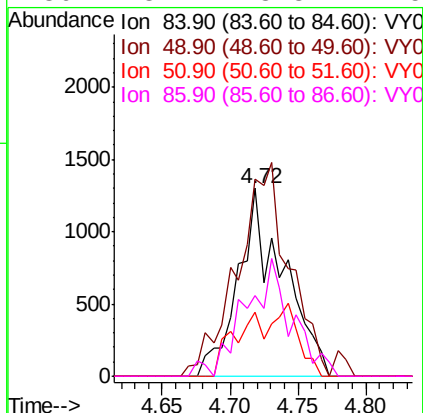
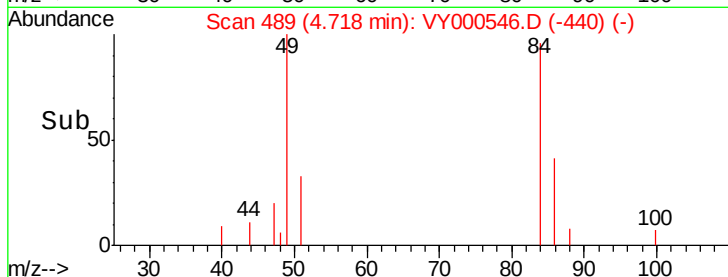
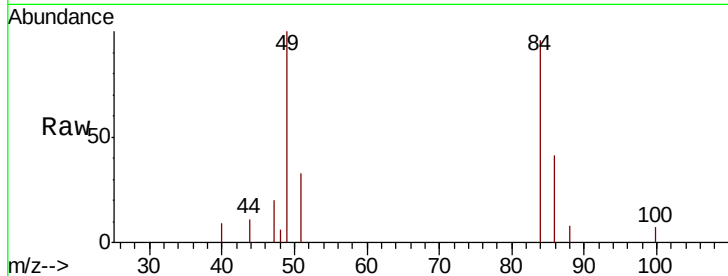




#20
Methvlene Chloride
Concen: 1.200 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY000546.D
Acq: 06 Nov 2019 13:19

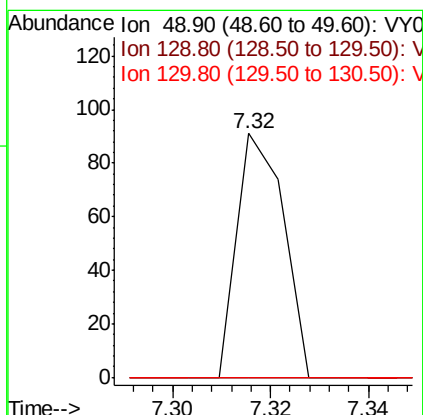
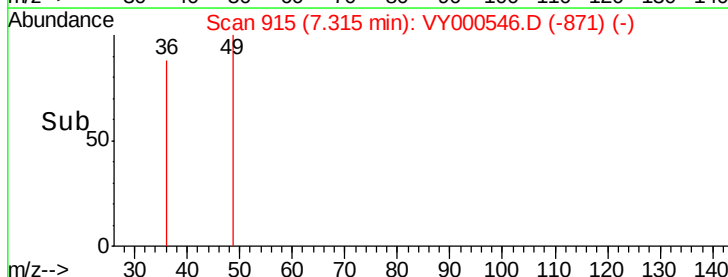
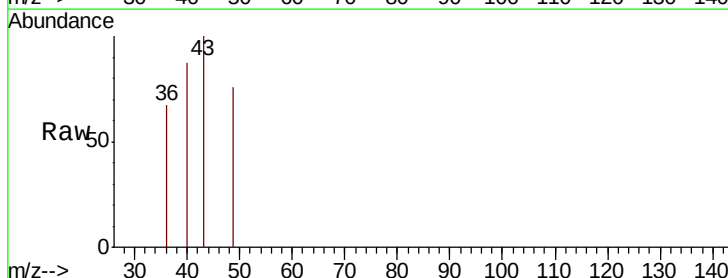
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-110519

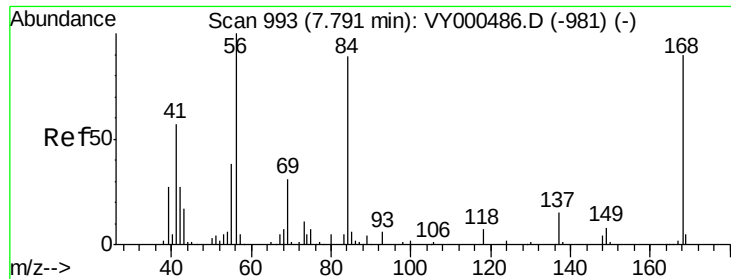
Tot Ion: 84 Resp: 3027
Ion Ratio Lower Upper
84 100
49 98.8 100.2 150.4#
51 34.2 29.6 44.4
86 43.1 48.3 72.5#



#28
Bromochloromethane
Concen: 4.123 ug/l
RT: 7.32 min Scan# 915
Delta R.T. -0.03 min
Lab File: VY000546.D
Acq: 06 Nov 2019 13:19

Tgt Ion: 49 Resp: 60
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#

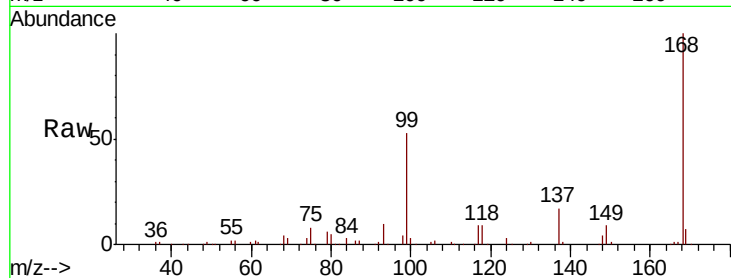




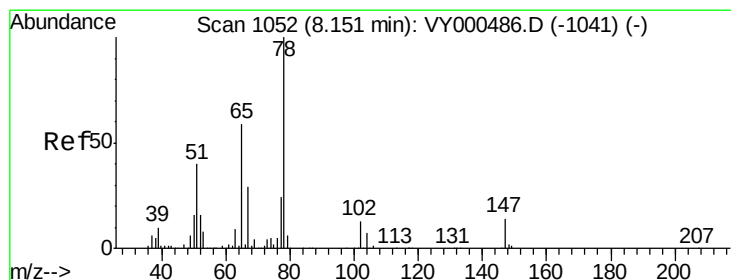
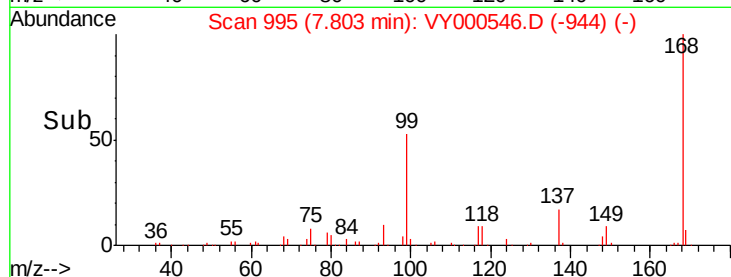
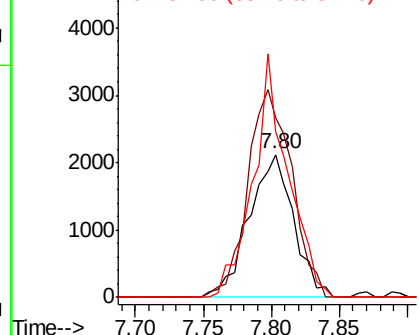
#31
Cyclohexane
Concen: 1.179 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000546.D
Acq: 06 Nov 2019 13:19

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-110519

Tot Ion: 56 Resp: 4876
Ion Ratio Lower Upper
56 100
69 126.3 25.0 37.6#
84 116.4 71.4 107.2#

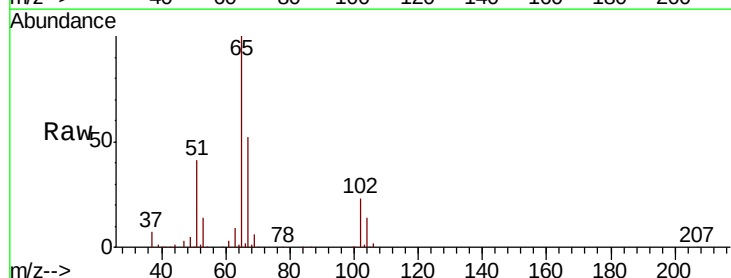


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

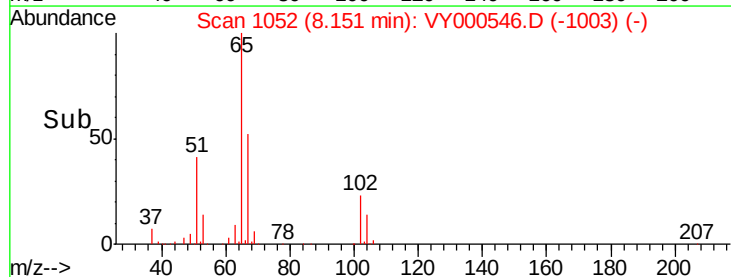
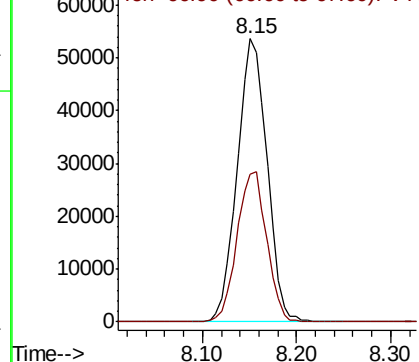


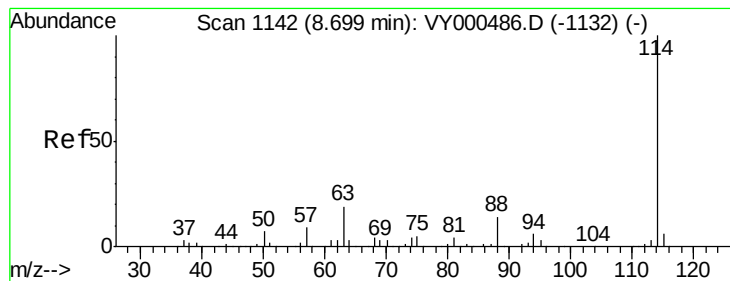
#33
1,2-Dichloroethane-d4
Concen: 55.490 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VY000546.D
Acq: 06 Nov 2019 13:19

Tgt Ion: 65 Resp: 118524
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VY000546.D

Acq: 06 Nov 2019 13:19

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-110519

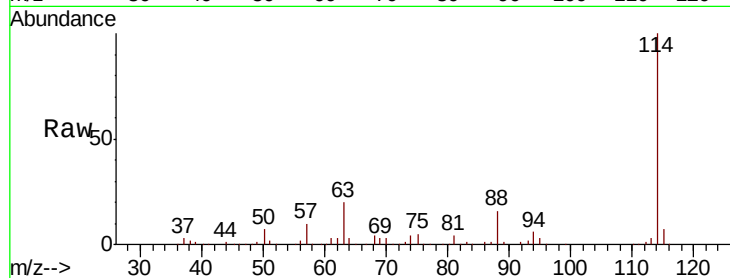
Tot Ion:114 Resp: 365440

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.0

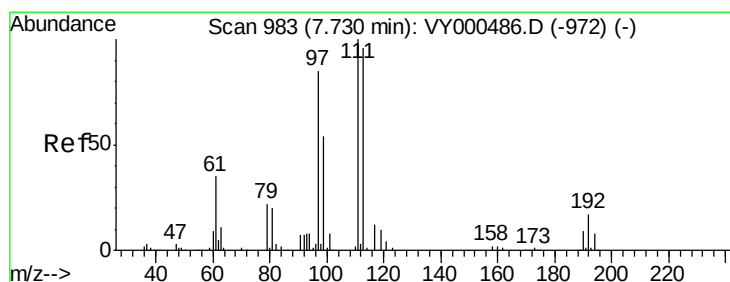
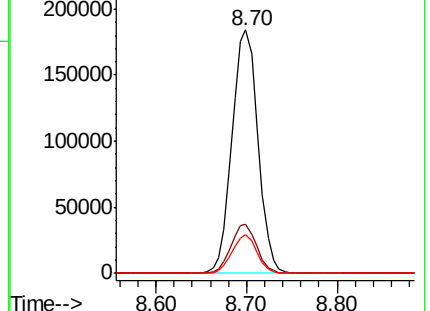
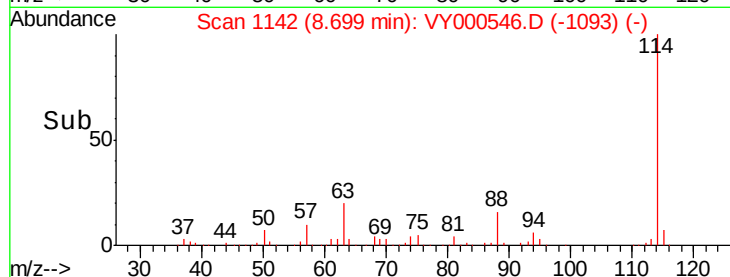
88 16.0 0.0 28.6



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: 50.774 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000546.D

Acq: 06 Nov 2019 13:19

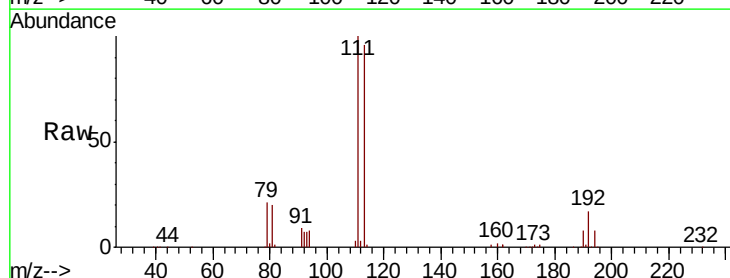
Tgt Ion:113 Resp: 108930

Ion Ratio Lower Upper

113 100

111 103.5 81.7 122.5

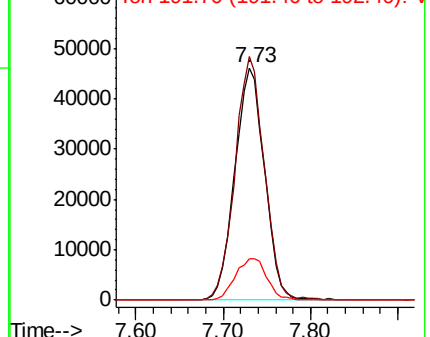
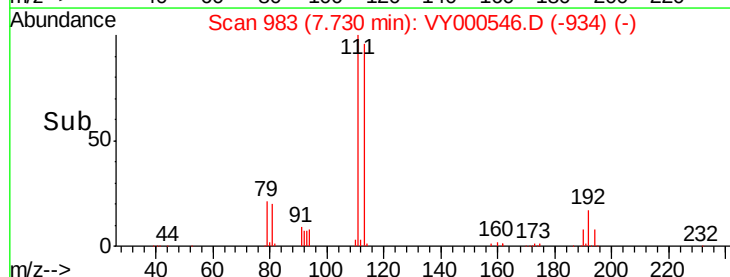
192 18.9 15.0 22.4

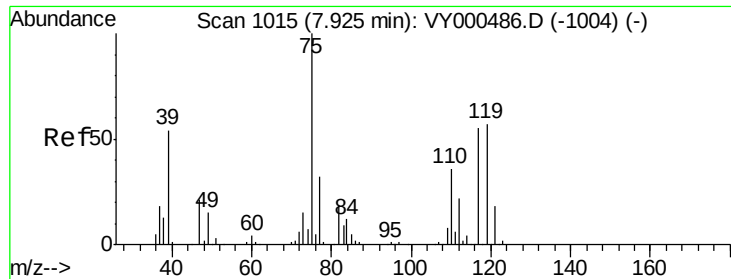


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.739 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY000546.D

Acq: 06 Nov 2019 13:19

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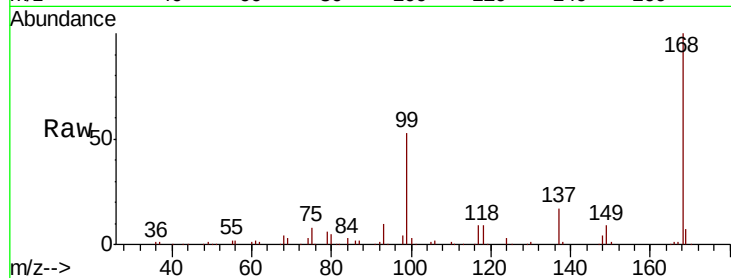
Tot Ion: 75 Resp: 16372

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.1#

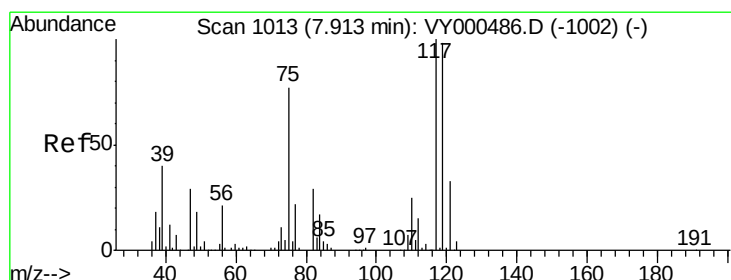
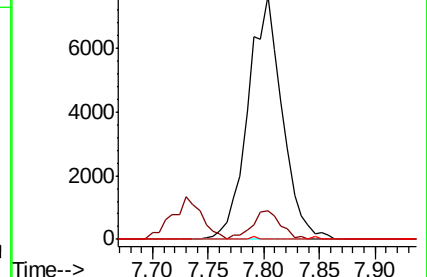
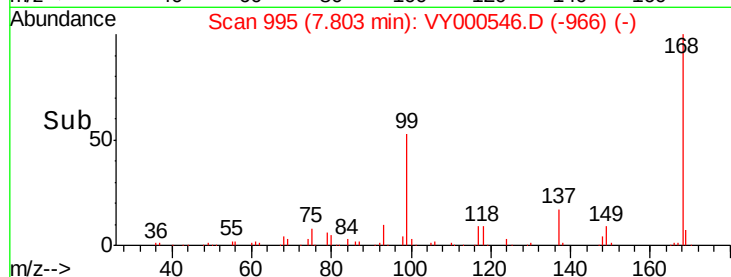
77 0.2 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VY000546.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY000546.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY000546.D (-966) (-)



#38

Carbon Tetrachloride

Concen: 6.099 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000546.D

Acq: 06 Nov 2019 13:19

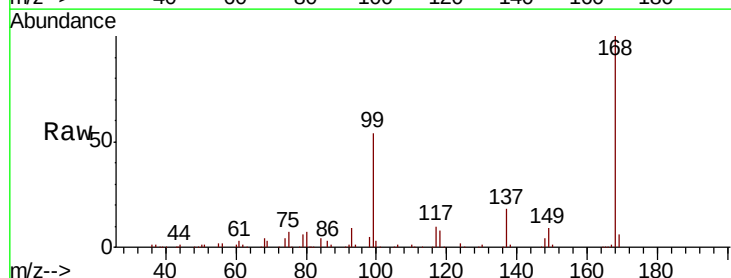
Tgt Ion: 117 Resp: 20273

Ion Ratio Lower Upper

117 100

119 4.7 78.0 117.0#

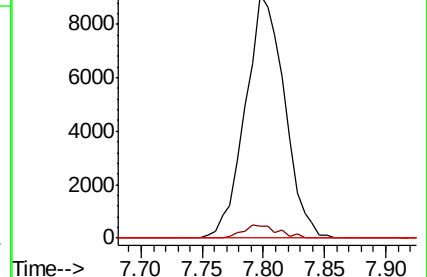
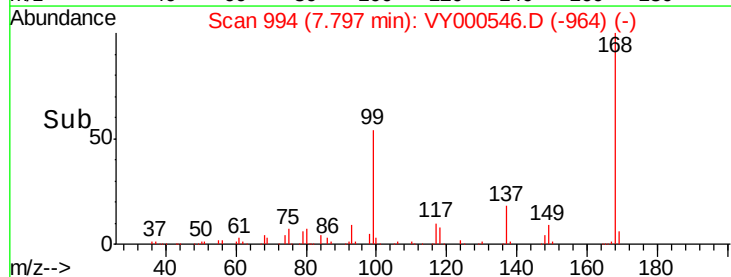
121 0.0 26.6 40.0#

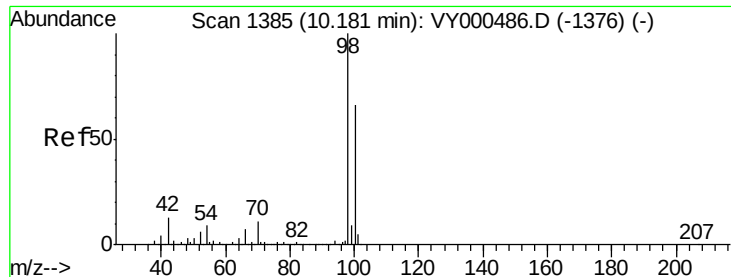


Abundance Ion 116.80 (116.50 to 117.50): VY000546.D (-964) (-)

Ion 118.80 (118.50 to 119.50): VY000546.D (-964) (-)

Ion 120.80 (120.50 to 121.50): VY000546.D (-964) (-)





#50

Toluene-d8

Concen: 51.482 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000546.D

Acq: 06 Nov 2019 13:19

Instrument :

MSVOA_Y

ClientSampleId :

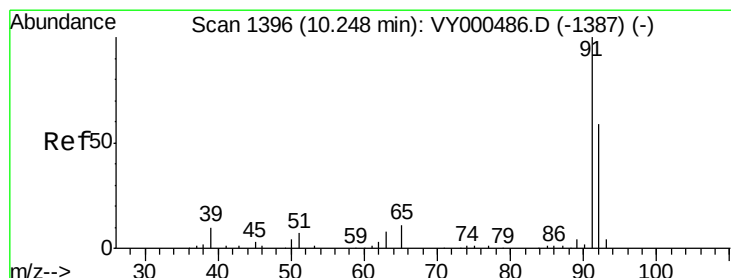
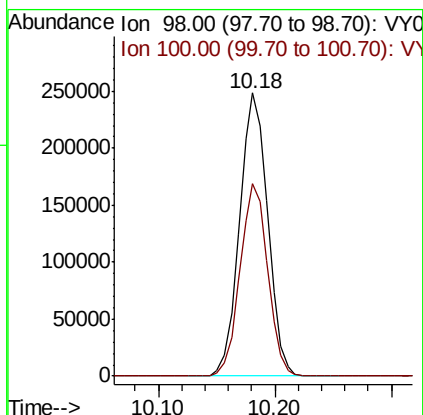
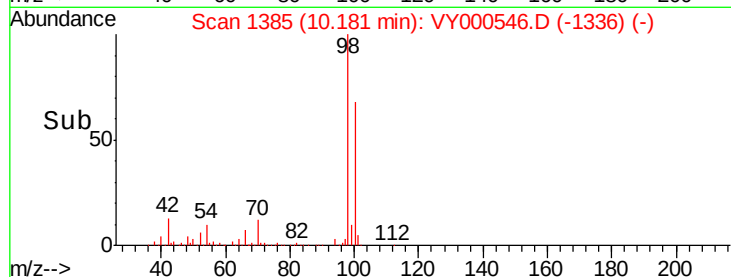
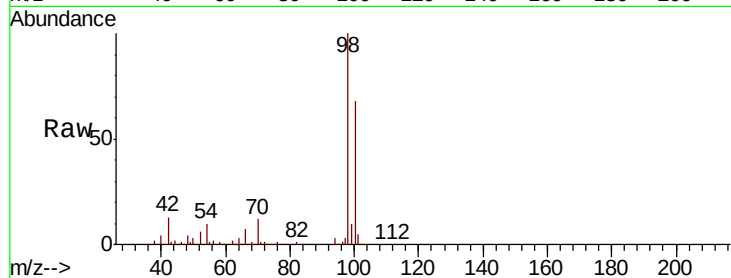
OR-02-110519

Tot Ion: 98 Resp: 419087

Ion Ratio Lower Upper

98 100

100 66.9 52.9 79.3



#52

Toluene

Concen: 2.683 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000546.D

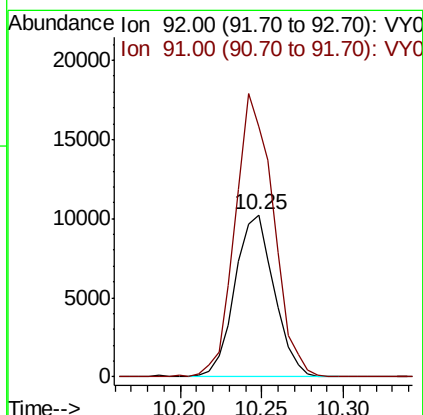
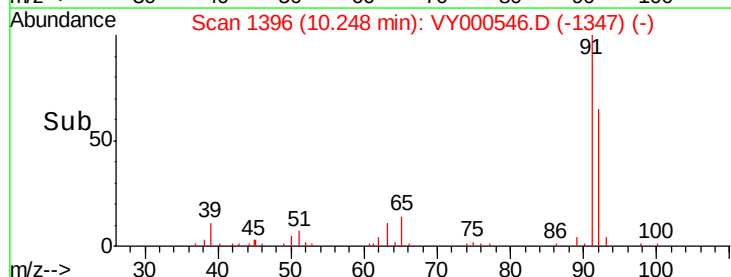
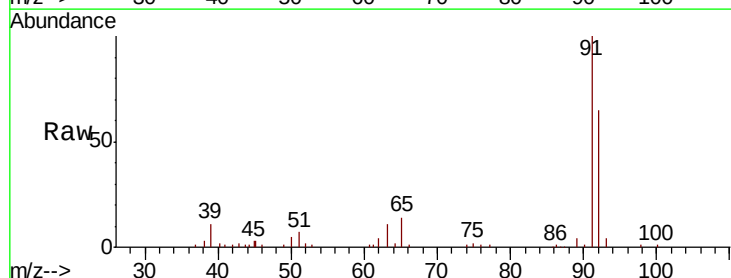
Acq: 06 Nov 2019 13:19

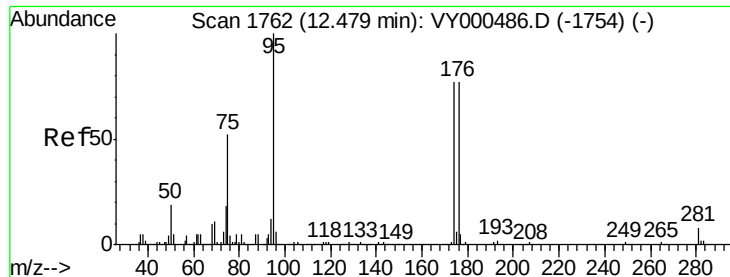
Tgt Ion: 92 Resp: 17182

Ion Ratio Lower Upper

92 100

91 170.8 136.3 204.5

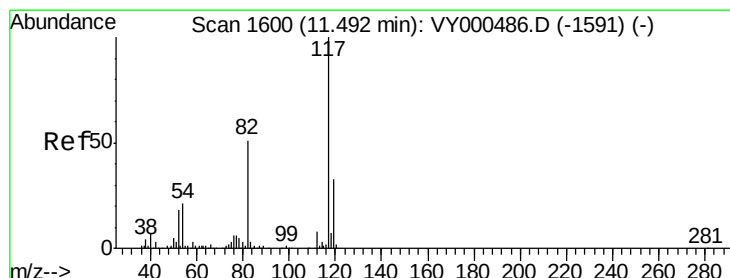
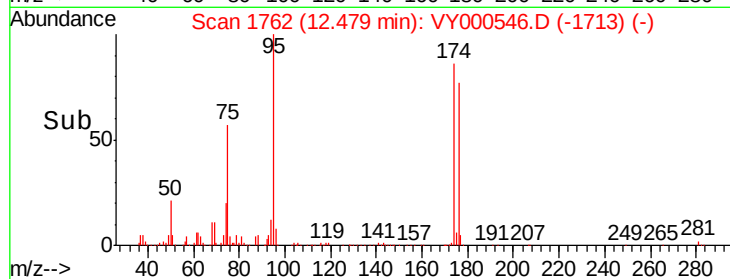
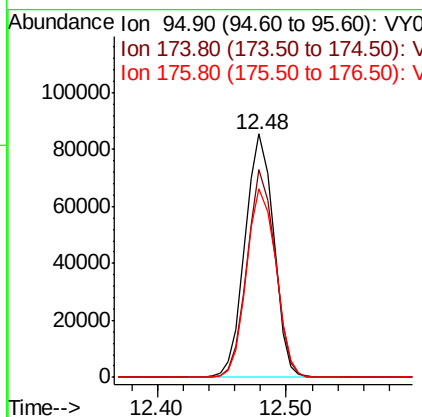
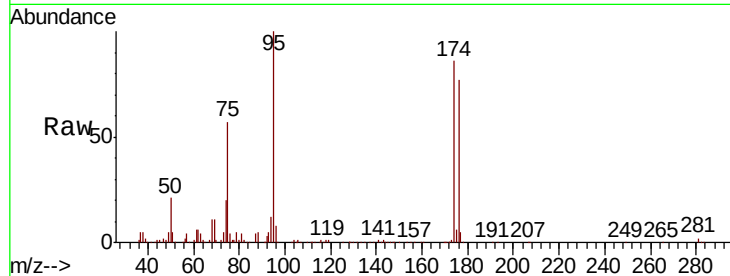




#62
4-Bromofluorobenzene
Concen: 42.464 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000546.D
Acq: 06 Nov 2019 13:19

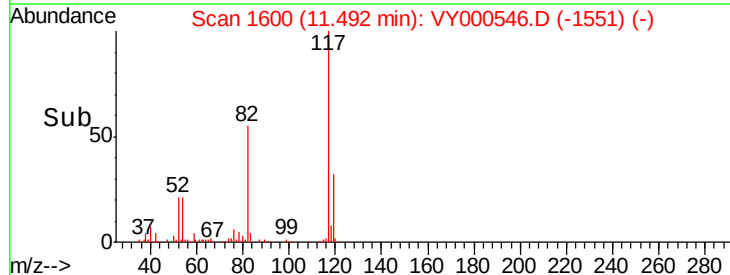
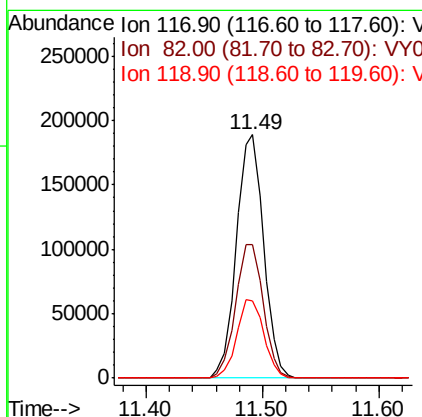
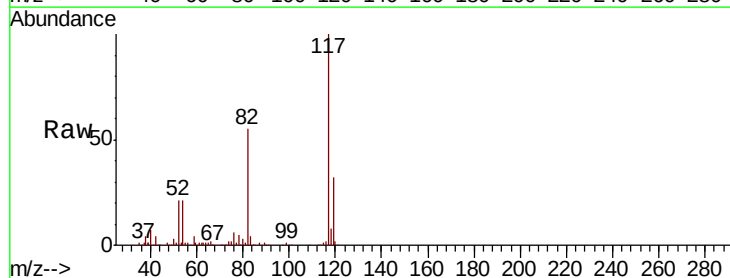
Instrument :
MSVOA_Y
ClientSampled :
OR-02-110519

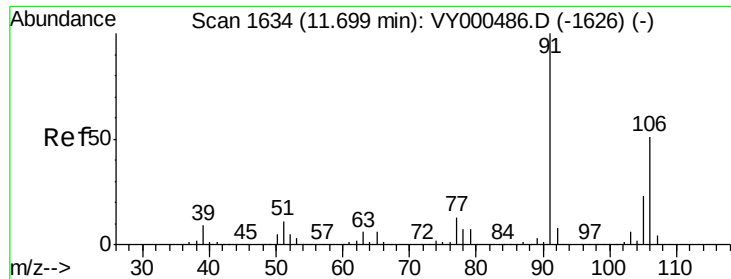
Tot Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	161.6
176	79.0	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000546.D
Acq: 06 Nov 2019 13:19

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.6	40.8	61.2
119	31.7	26.2	39.2

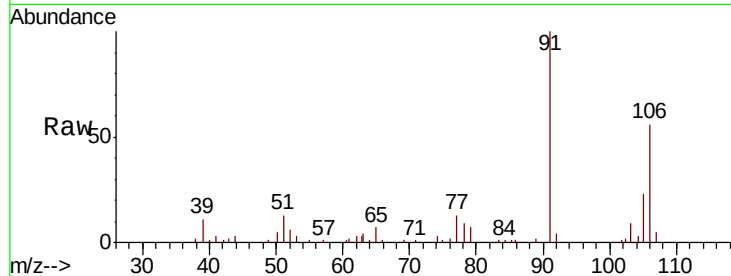




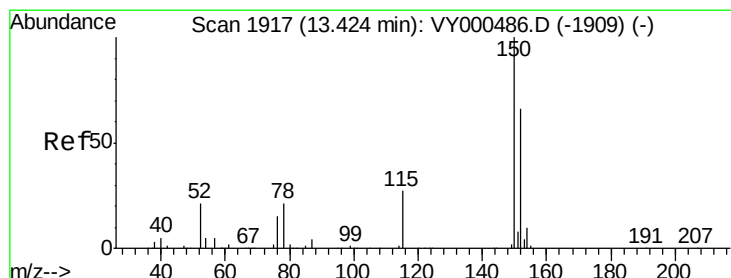
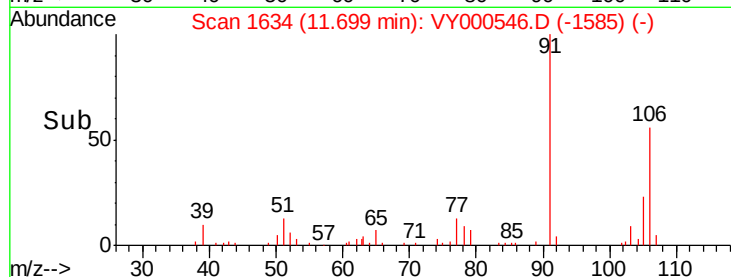
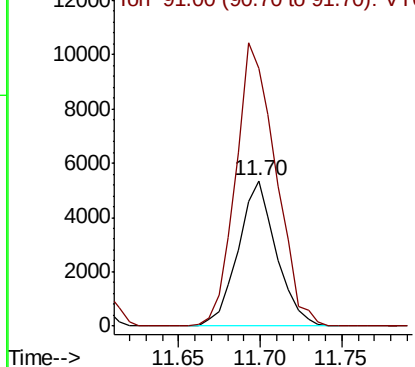
#68
m/p-Xvlenes
Concen: 1.946 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000546.D
Acq: 06 Nov 2019 13:19

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-110519

Tot Ion:106 Resp: 8689
Ion Ratio Lower Upper
106 100
91 204.7 155.9 233.9

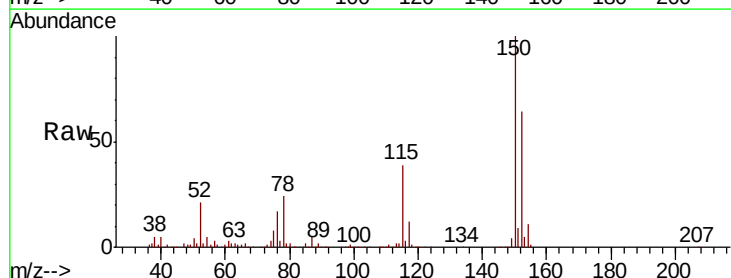


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

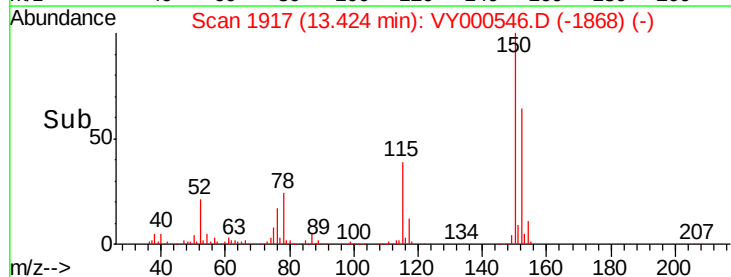
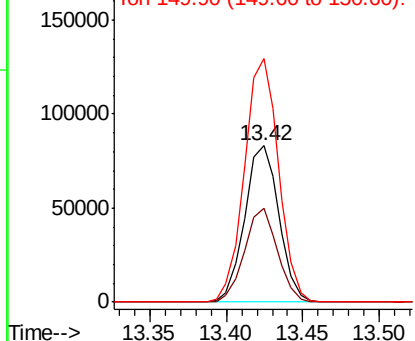


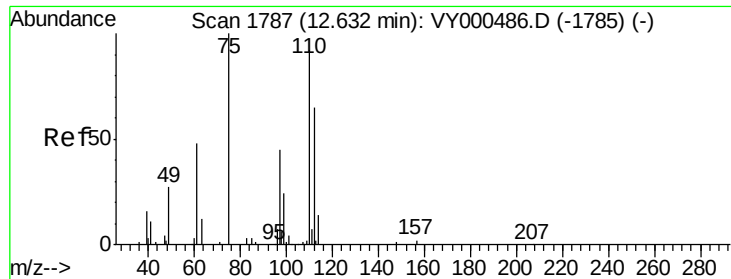
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000546.D
Acq: 06 Nov 2019 13:19

Tgt Ion:152 Resp: 129378
Ion Ratio Lower Upper
152 100
115 57.7 29.1 87.4
150 154.9 0.0 348.8



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

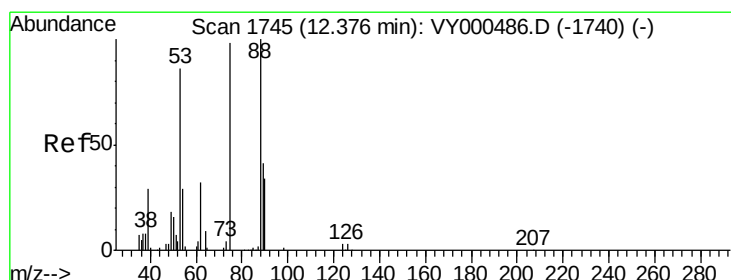
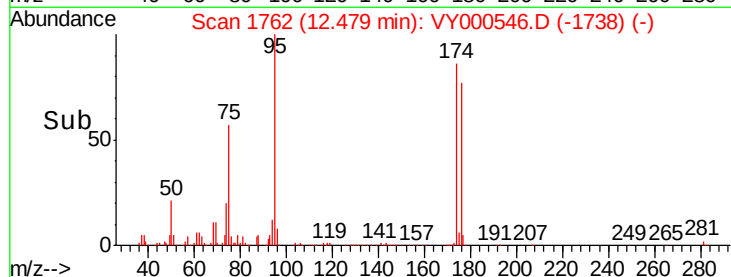
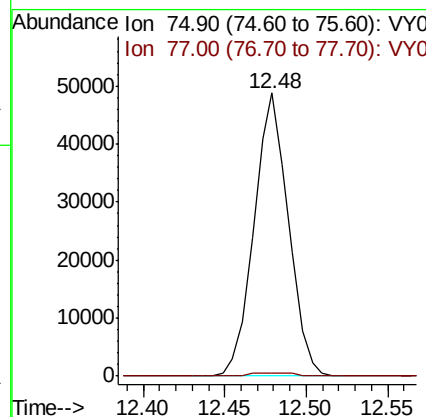
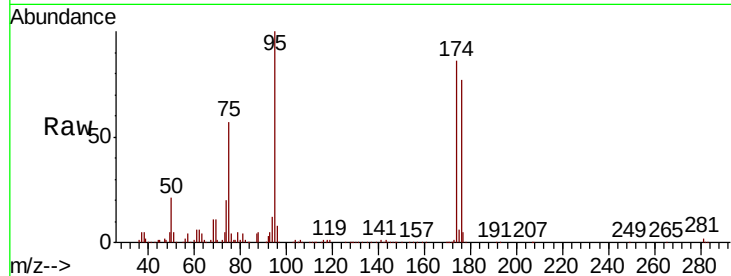




#76
 1,2,3-Trichloropropane
 Concen: 48.367 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY000546.D
 Acq: 06 Nov 2019 13:19

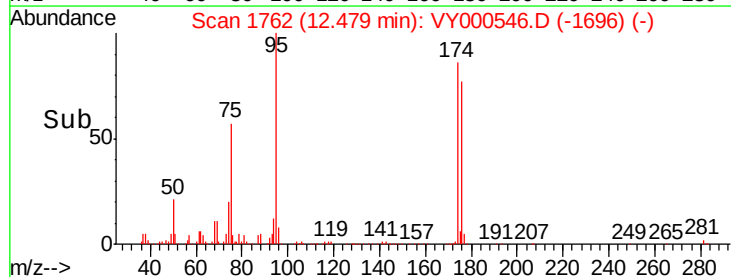
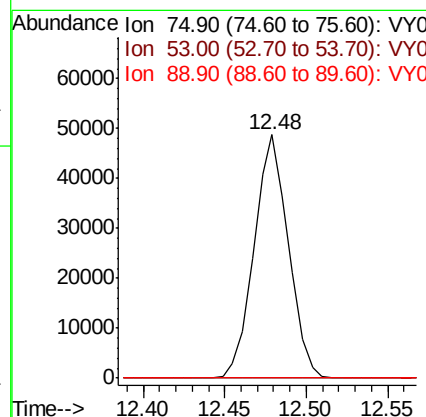
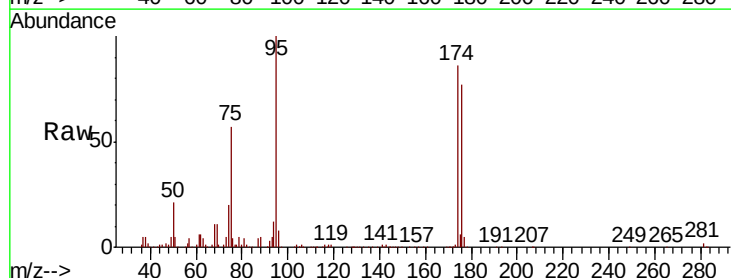
Instrument :
 MSVOA_Y
 ClientSampled :
 OR-02-110519

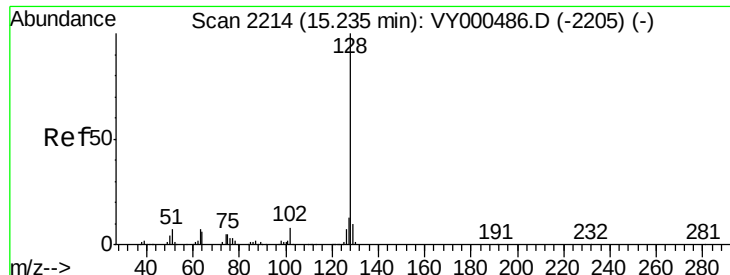
Tot Ion: 75 Resp: 71252
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.446 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY000546.D
 Acq: 06 Nov 2019 13:19

Tgt Ion: 75 Resp: 71252
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.2 109.8#
 89 0.0 35.9 53.9#

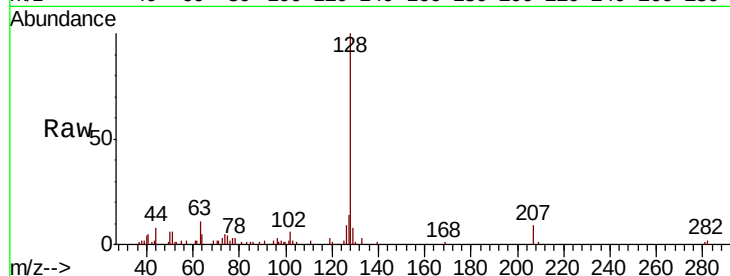




#95
 Naphthalene
 Concen: 2.272 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VY000546.D
 Acq: 06 Nov 2019 13:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-110519

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	9.8	14.6
129	11.3	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

