

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110619\
 Data File : VY000562.D
 Acq On : 06 Nov 2019 19:14
 Operator : SY/MD
 Sample : K5723-03
 Misc : 7.32G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 7-C

Quant Time: Nov 07 04:59:05 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	231141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	421422	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	368389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	150976	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	139587	58.36	ug/l	0.00
Spiked Amount			Recovery	=	116.72%	
35) Dibromofluoromethane	7.73	113	124717	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
50) Toluene-d8	10.18	98	503593	53.64	ug/l	0.00
Spiked Amount			Recovery	=	107.28%	
62) 4-Bromofluorobenzene	12.48	95	159997	44.77	ug/l	0.00
Spiked Amount			Recovery	=	89.54%	

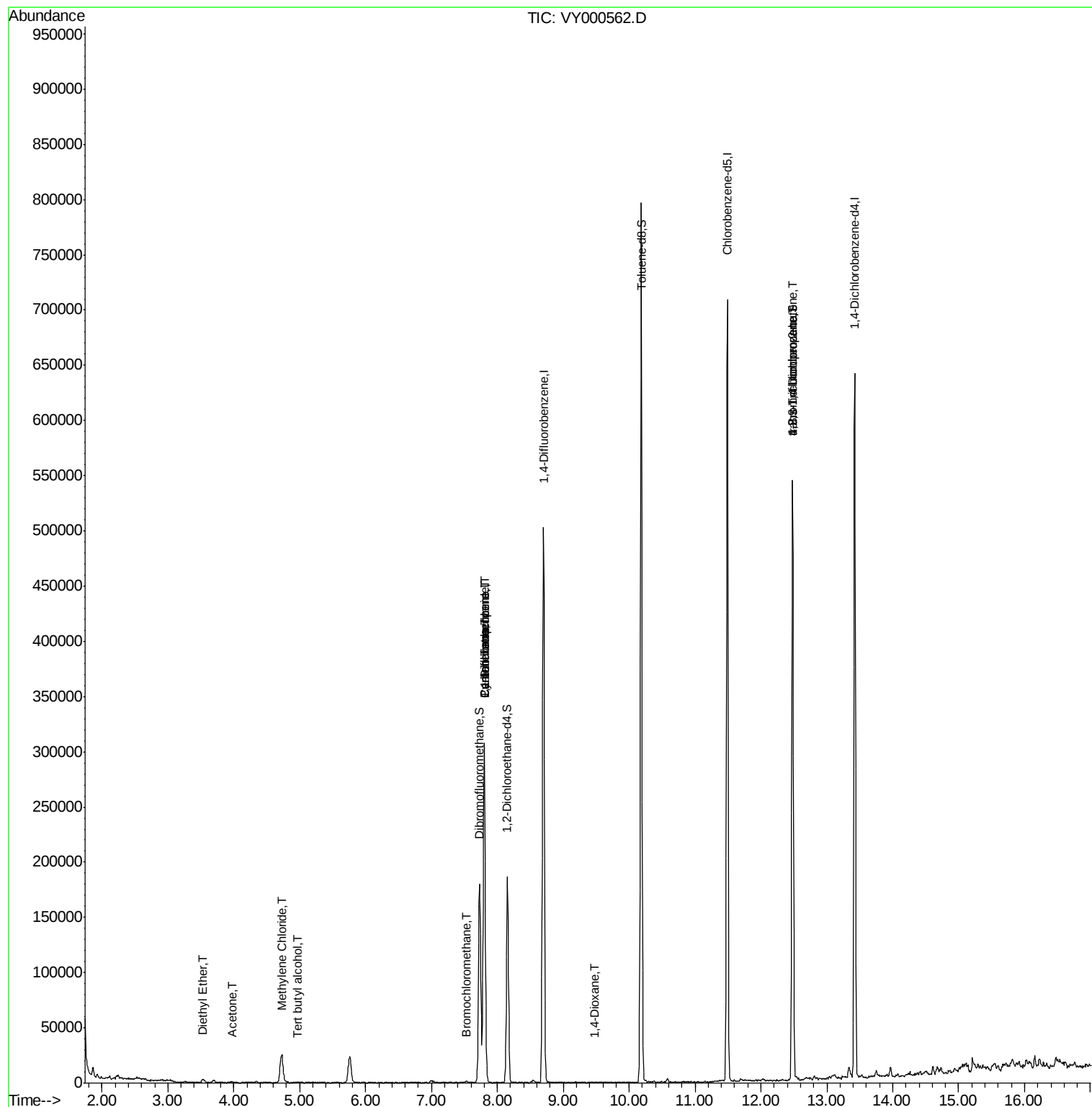
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.52	74	2159	1.546	ug/l	69
11) Tert butyl alcohol	4.97	59	601	2.581	ug/l #	72
16) Acetone	3.97	43	1600	2.427	ug/l #	86
20) Methylene Chloride	4.73	84	19831	7.020	ug/l	89
28) Bromochloromethane	7.52	49	102	4.139	ug/l #	14
31) Cyclohexane	7.80	56	5250	1.134	ug/l #	39
36) 1,1-Dichloropropene	7.80	75	19792	4.968	ug/l #	49
38) Carbon Tetrachloride	7.80	117	24017	6.265	ug/l #	16
49) 1,4-Dioxane	9.48	88	29	1.363	ug/l #	27
76) 1,2,3-Trichloropropane	12.48	75	85589	49.788	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	85589	111.631	ug/l #	13

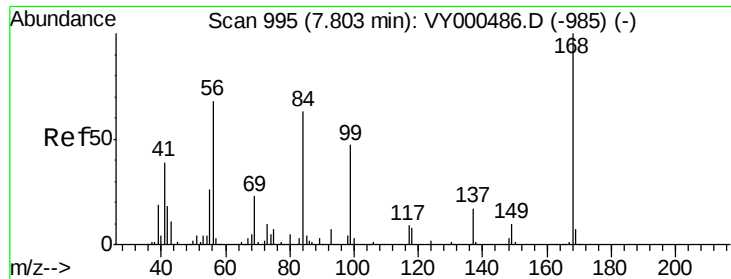
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000562.D

Acq: 06 Nov 2019 19:14

Instrument :

MSVOA_Y

ClientSampleId :

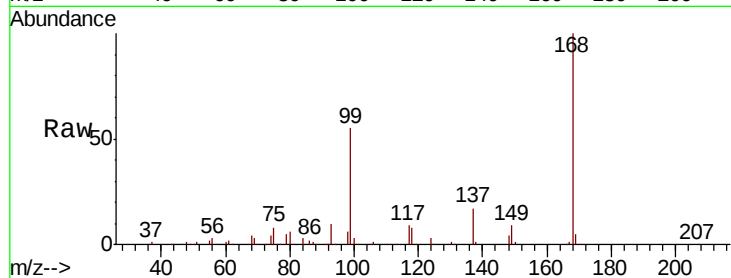
7-C

Tot Ion:168 Resp: 231141

Ion Ratio Lower Upper

168 100

99 55.3 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

120000

100000

80000

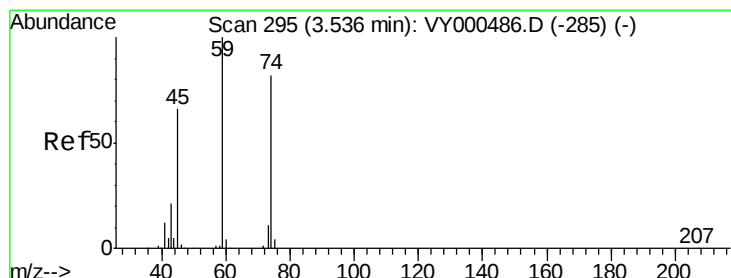
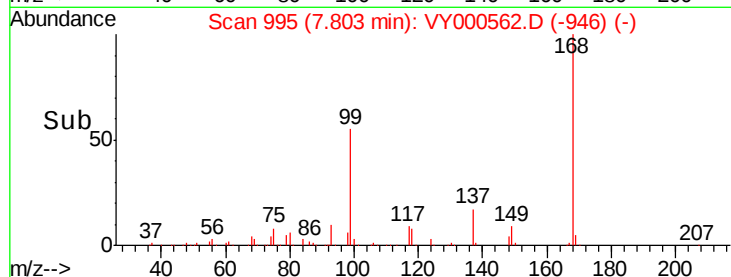
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.546 ug/l

RT: 3.52 min Scan# 293

Delta R.T. -0.01 min

Lab File: VY000562.D

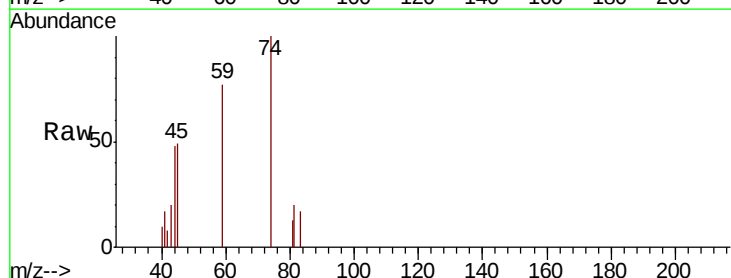
Acq: 06 Nov 2019 19:14

Tgt Ion: 74 Resp: 2159

Ion Ratio Lower Upper

74 100

45 61.5 45.5 136.4



Abundance Ion 74.00 (73.70 to 74.70): VY000486.D (-285) (-)

Ion 45.00 (44.70 to 45.70): VY000486.D (-285) (-)

3.52

1000

800

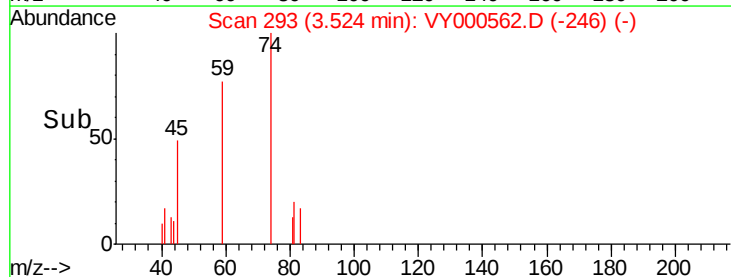
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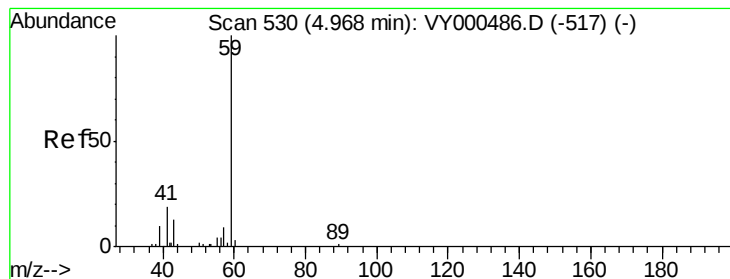
400

200

0

Time-->



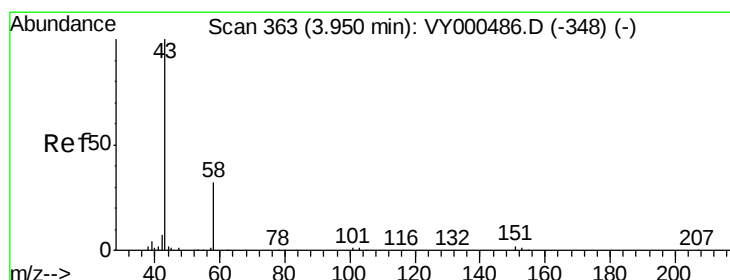
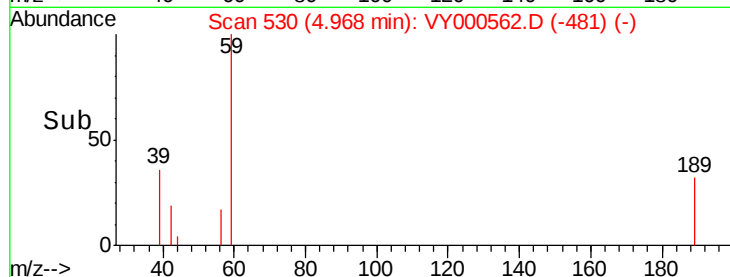
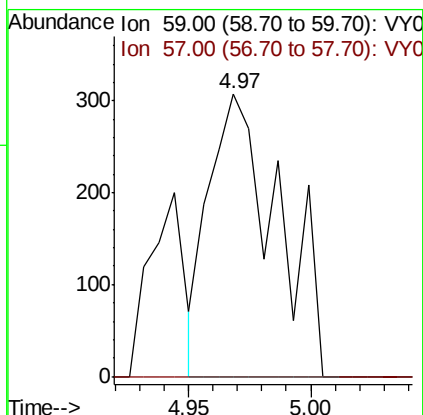
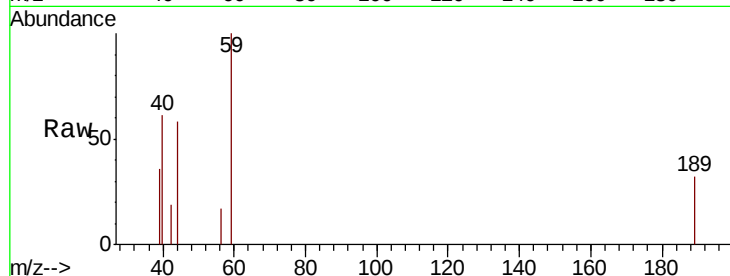


#11

Tert butyl alcohol
 Concen: 2.581 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VY000562.D
 Acq: 06 Nov 2019 19:14

Instrument :
 MSVOA_Y
 ClientSampled :
 7-C

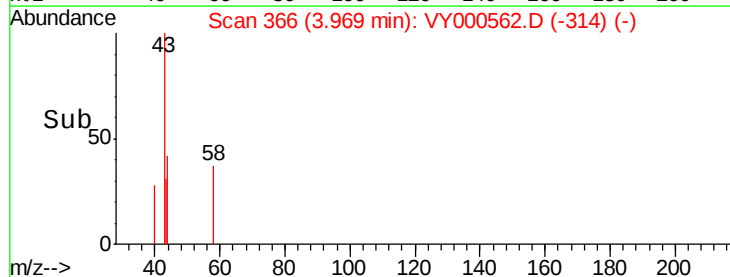
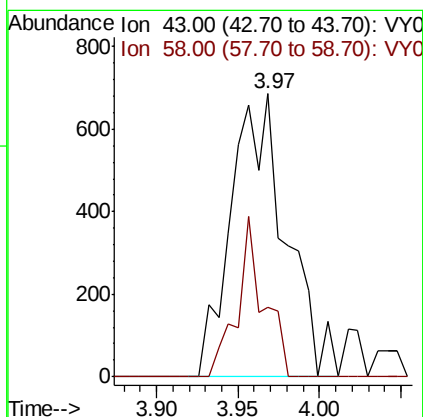
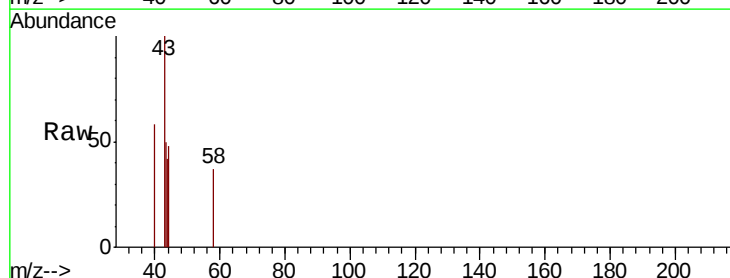
Tot Ion: 59 Resp: 601
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

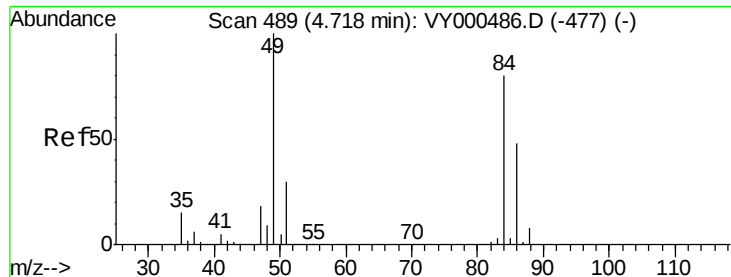


#16

Acetone
 Concen: 2.427 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VY000562.D
 Acq: 06 Nov 2019 19:14

Tgt Ion: 43 Resp: 1600
 Ion Ratio Lower Upper
 43 100
 58 24.6 25.8 38.6#

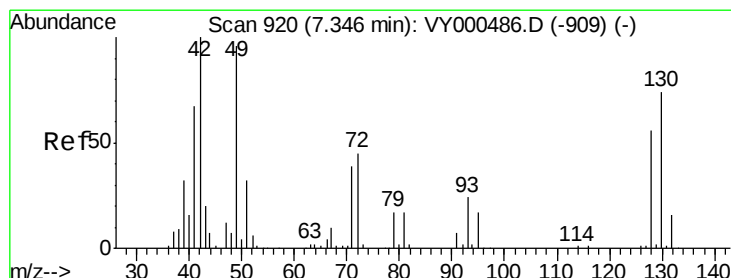
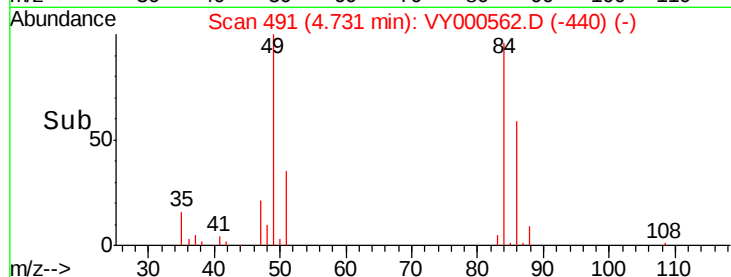
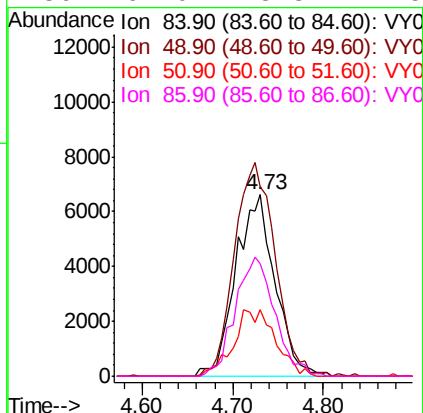
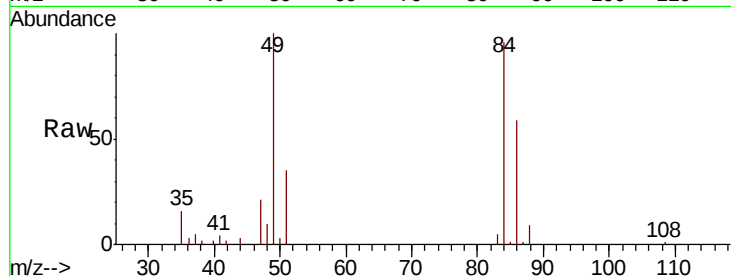




#20
Methvlene Chloride
Concen: 7.020 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000562.D
Acq: 06 Nov 2019 19:14

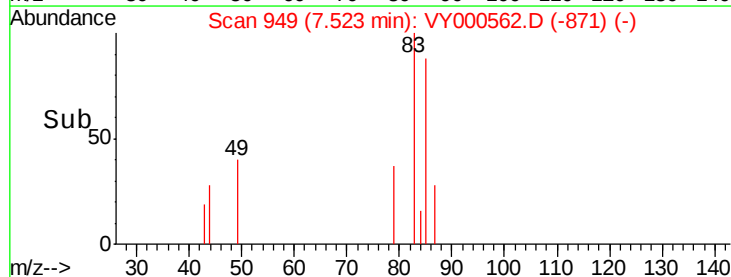
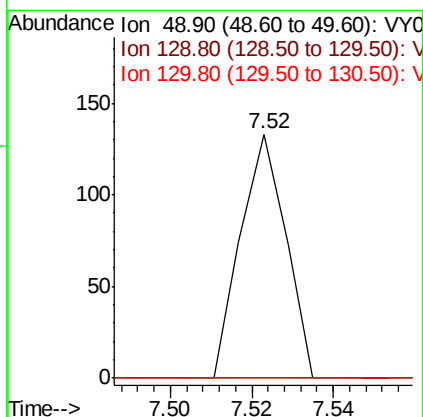
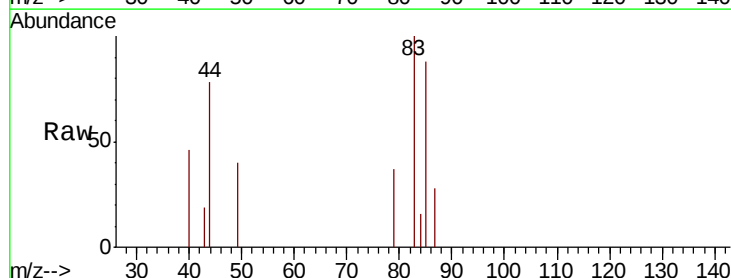
Instrument :
MSVOA_Y
ClientSampleId :
7-C

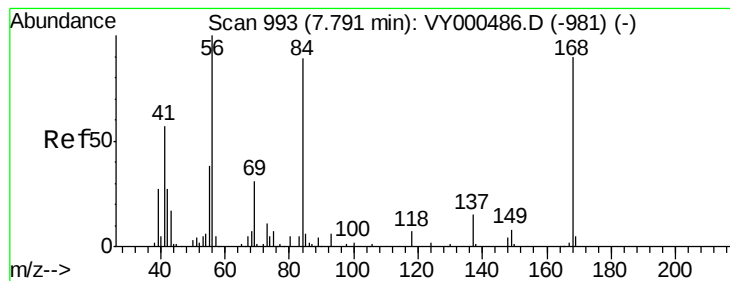
Tot Ion:	84	Resp:	19831
Ion	Ratio	Lower	Upper
84	100		
49	104.3	100.2	150.4
51	36.8	29.6	44.4
86	62.0	48.3	72.5



#28
Bromochloromethane
Concen: 4.139 ug/l
RT: 7.52 min Scan# 949
Delta R.T. 0.18 min
Lab File: VY000562.D
Acq: 06 Nov 2019 19:14

Tgt Ion:	49	Resp:	102
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	59.4	89.0#





#31

Cyclohexane

Concen: 1.134 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

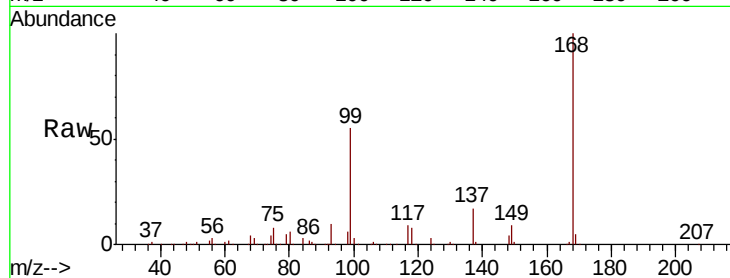
Lab File: VY000562.D

Acq: 06 Nov 2019 19:14

Instrument :
MSVOA_Y
ClientSampled :
7-C

Tot Ion: 56 Resp: 5250

Ion	Ratio	Lower	Upper
56	100		
69	121.5	25.0	37.6#
84	113.1	71.4	107.2#

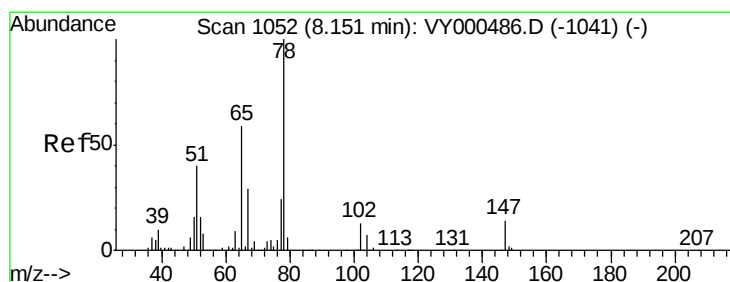
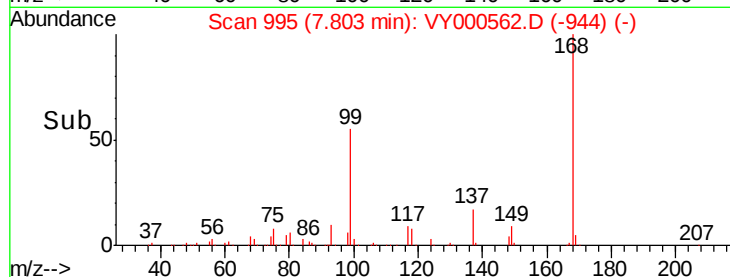
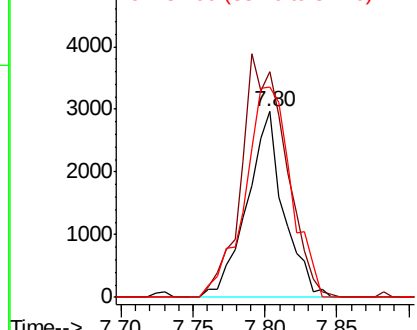


Abundance

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: 58.356 ug/l

RT: 8.15 min Scan# 1052

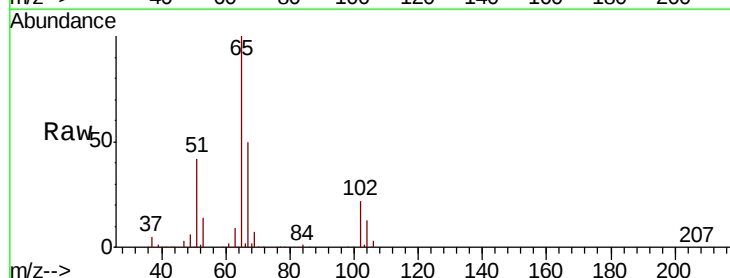
Delta R.T. 0.00 min

Lab File: VY000562.D

Acq: 06 Nov 2019 19:14

Tgt Ion: 65 Resp: 139587

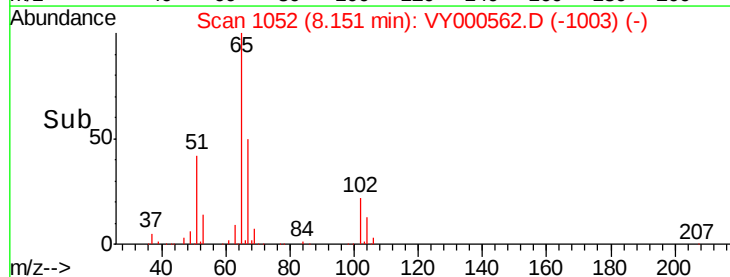
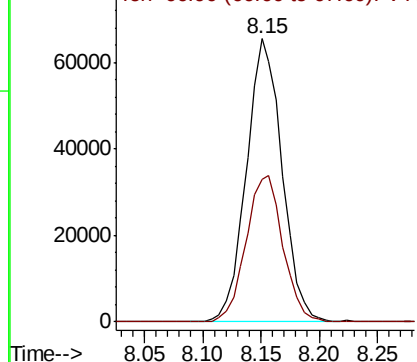
Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	107.2

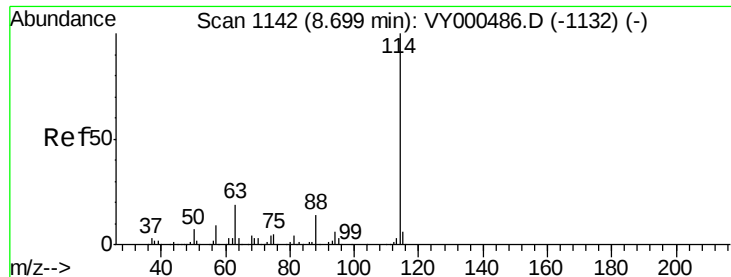


Abundance

Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

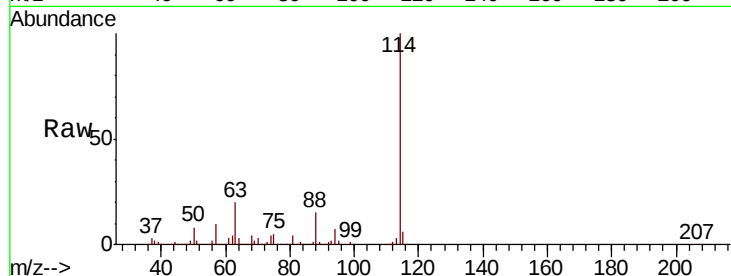




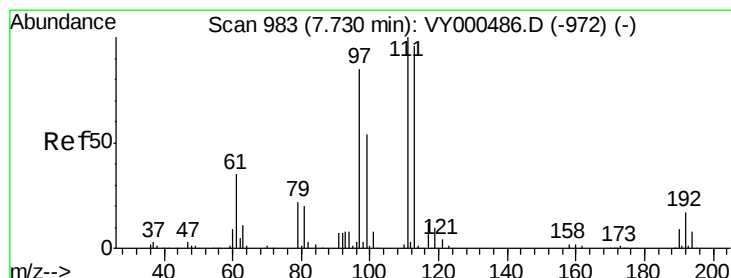
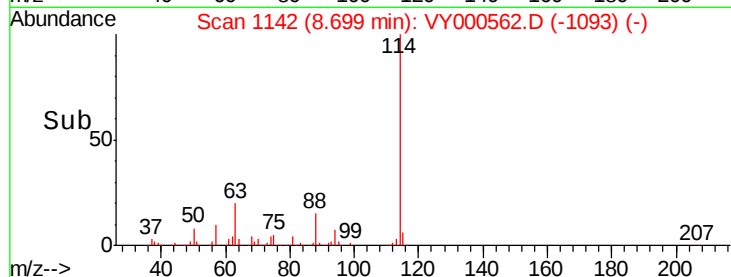
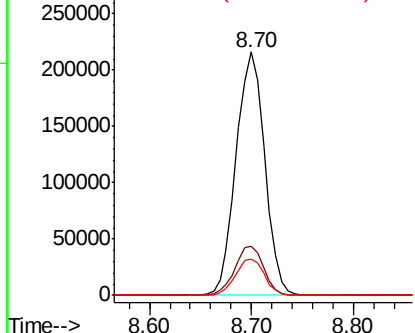
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000562.D
 Acq: 06 Nov 2019 19:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 7-C

Tot Ion:114 Resp: 421422
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 38.0
 88 15.1 0.0 28.6

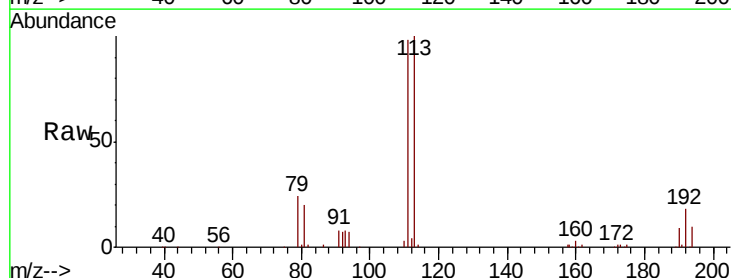


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

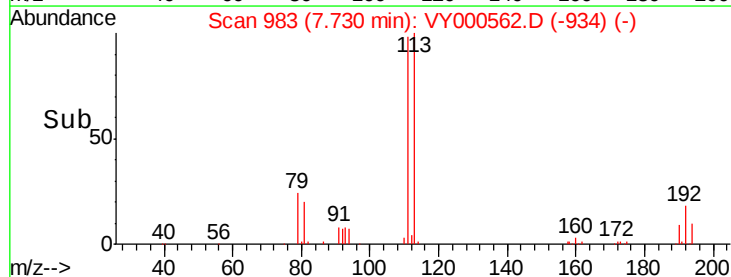
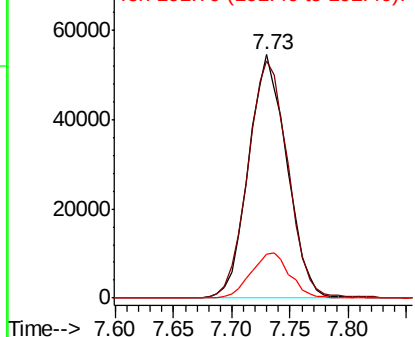


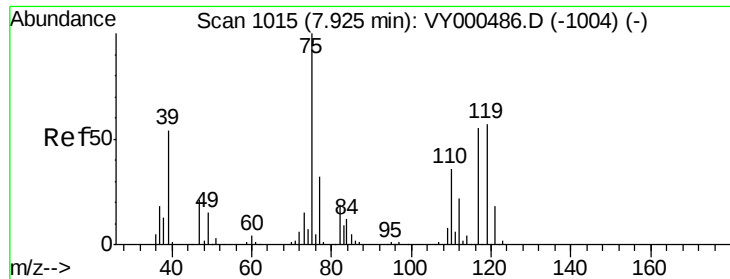
#35
 Dibromofluoromethane
 Concen: 50.411 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000562.D
 Acq: 06 Nov 2019 19:14

Tgt Ion:113 Resp: 124717
 Ion Ratio Lower Upper
 113 100
 111 101.5 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

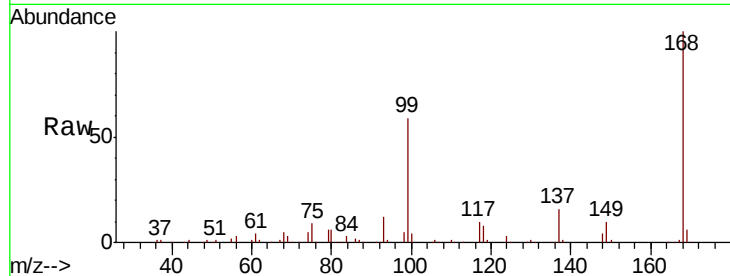




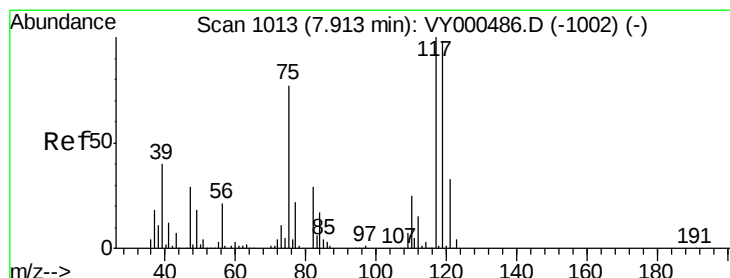
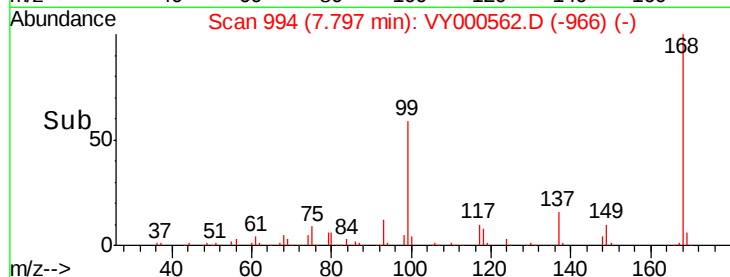
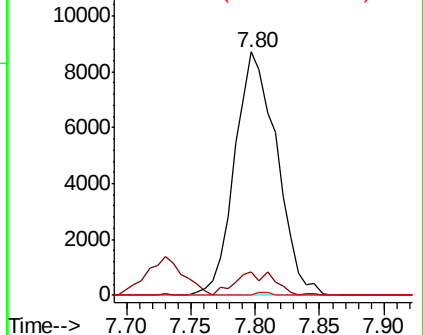
#36
 1,1-Dichloropropene
 Concen: 4.968 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000562.D
 Acq: 06 Nov 2019 19:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 7-C

Tot Ion	75	Resp	19792
Ion Ratio	Lower	Upper	
75	100		
110	8.9	18.1	54.1#
77	0.4	25.0	37.6#

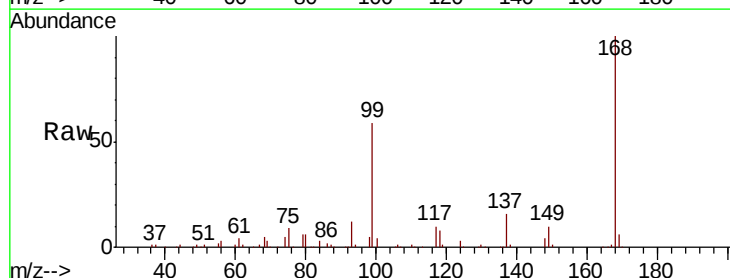


Abundance Ion 74.90 (74.60 to 75.60): VY000486.D (-1004) (-)
 Ion 109.90 (109.60 to 110.60): VY000486.D (-1004) (-)
 Ion 76.90 (76.60 to 77.60): VY000486.D (-1004) (-)

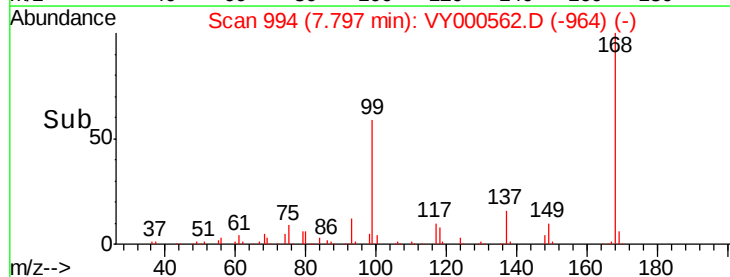
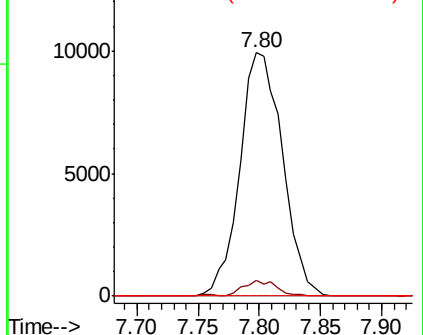


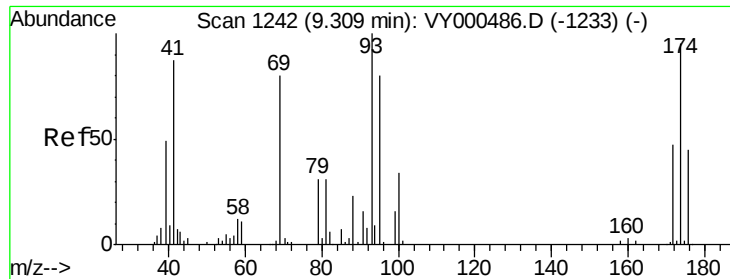
#38
 Carbon Tetrachloride
 Concen: 6.265 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000562.D
 Acq: 06 Nov 2019 19:14

Tgt Ion	117	Resp	24017
Ion Ratio	Lower	Upper	
117	100		
119	6.5	78.0	117.0#
121	0.0	26.6	40.0#



Abundance Ion 116.80 (116.50 to 117.50): VY000486.D (-1002) (-)
 Ion 118.80 (118.50 to 119.50): VY000486.D (-1002) (-)
 Ion 120.80 (120.50 to 121.50): VY000486.D (-1002) (-)

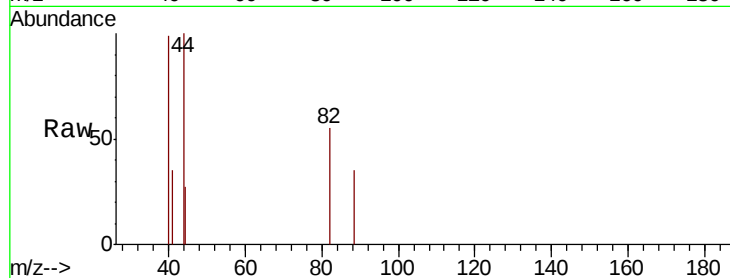




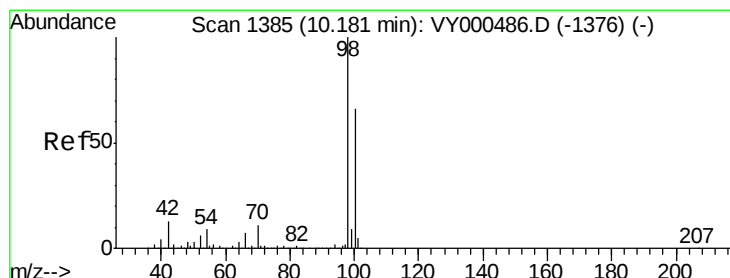
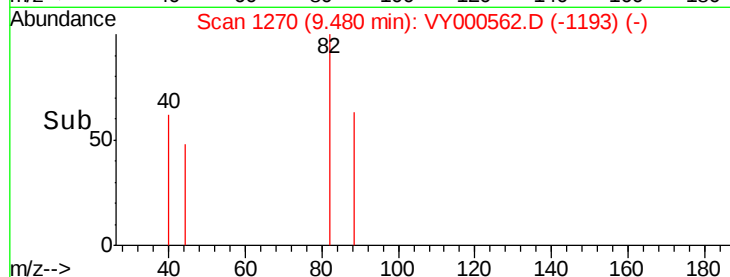
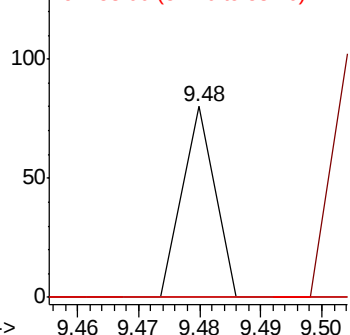
#49
 1,4-Dioxane
 Concen: 1.363 ug/l
 RT: 9.48 min Scan# 1270
 Delta R.T. 0.17 min
 Lab File: VY000562.D
 Acq: 06 Nov 2019 19:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 7-C

Tot Ion: 88 Resp: 29
 Ion Ratio Lower Upper
 88 100
 43 0.0 25.1 37.7#
 58 0.0 50.6 75.8#

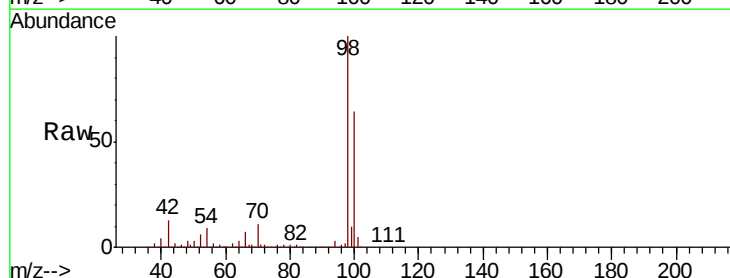


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

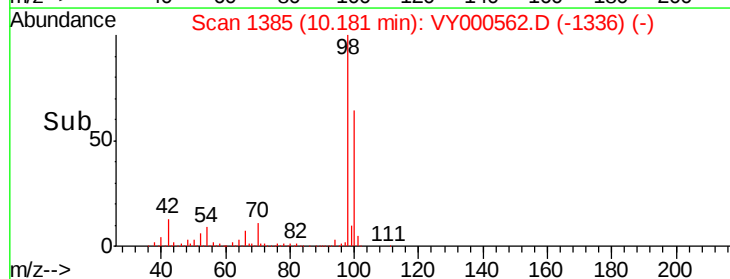
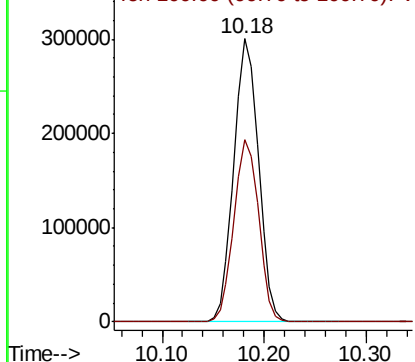


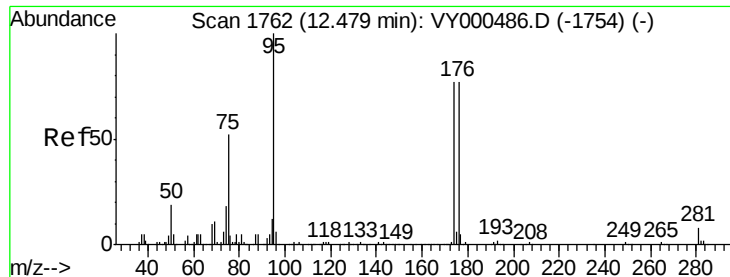
#50
 Toluene-d8
 Concen: 53.645 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY000562.D
 Acq: 06 Nov 2019 19:14

Tgt Ion: 98 Resp: 503593
 Ion Ratio Lower Upper
 98 100
 100 64.5 52.9 79.3



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

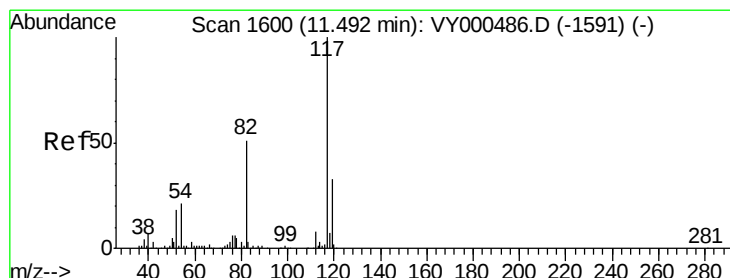
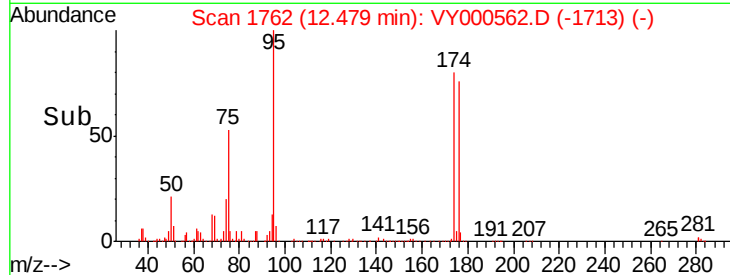
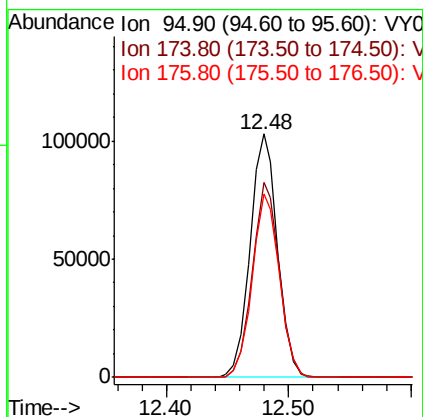
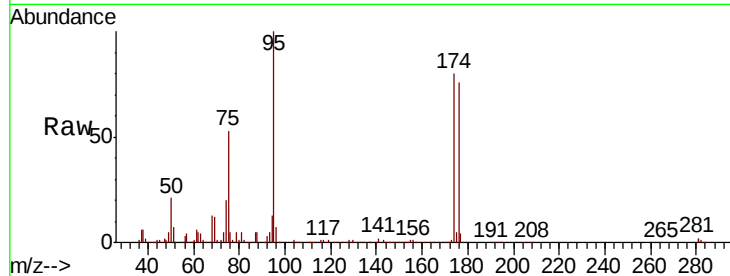




#62
4-Bromofluorobenzene
Concen: 44.769 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000562.D
Acq: 06 Nov 2019 19:14

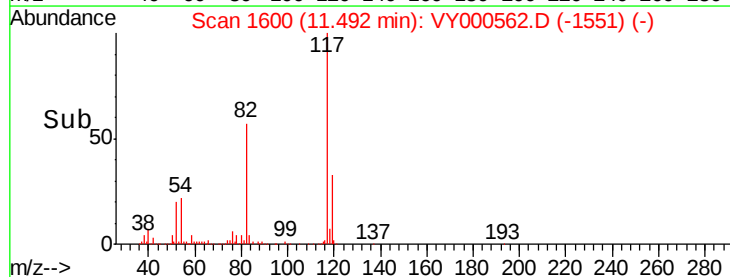
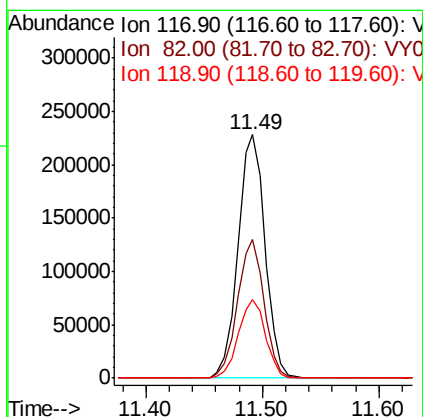
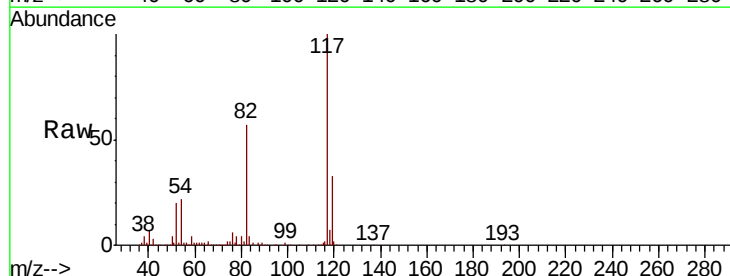
Instrument :
MSVOA_Y
ClientSampled :
7-C

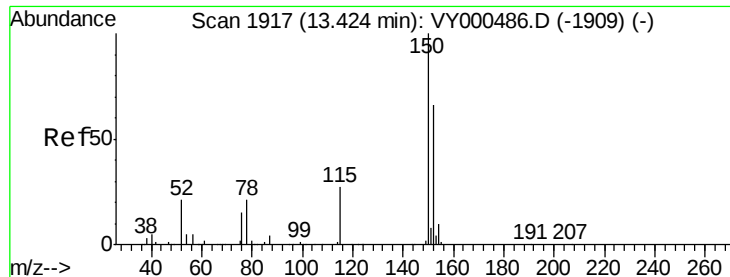
Tot Ion	Ratio	Lower	Upper
95	100		
174	79.2	0.0	161.6
176	75.3	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000562.D
Acq: 06 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.0	40.8	61.2
119	32.5	26.2	39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY000562.D

Acq: 06 Nov 2019 19:14

Instrument :

MSVOA_Y

ClientSampleId :

7-C

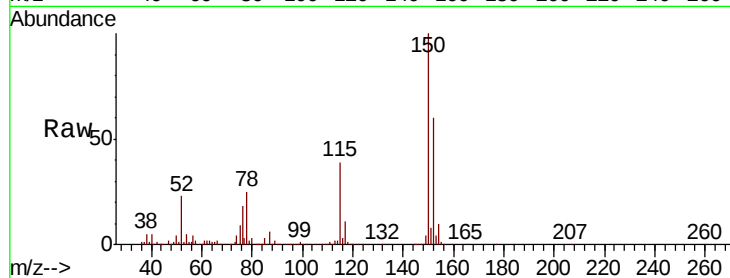
Tot Ion:152 Resp: 150976

Ion Ratio Lower Upper

152 100

115 62.3 29.1 87.4

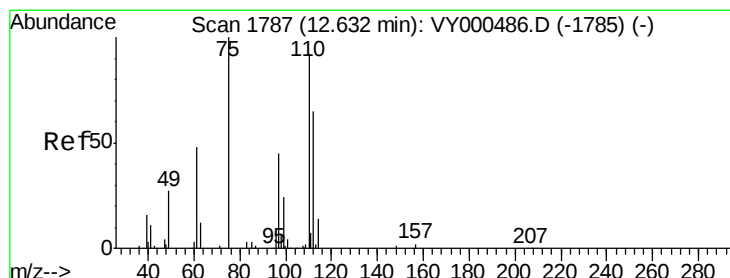
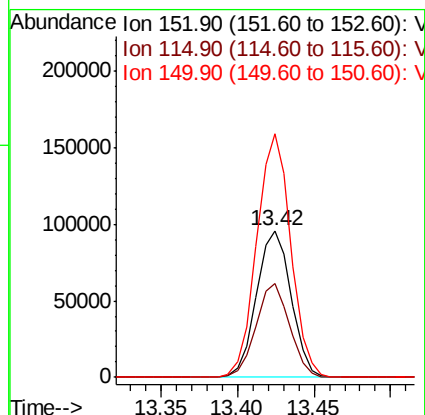
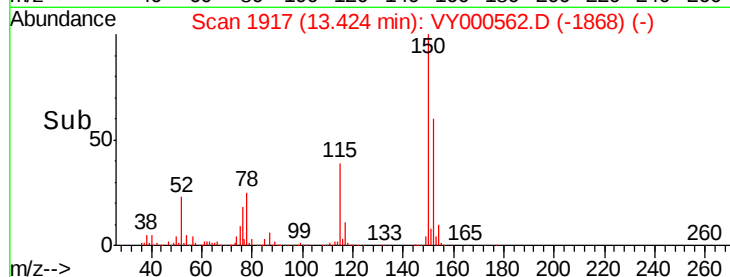
150 162.9 0.0 348.8



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: 49.788 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000562.D

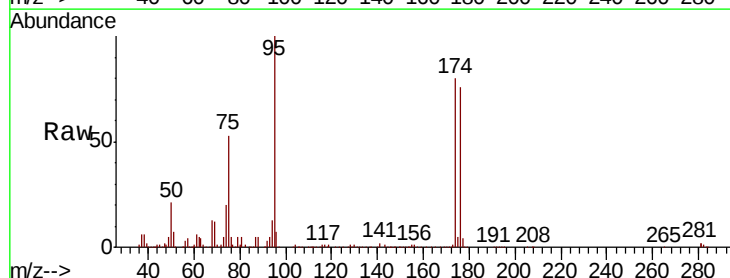
Acq: 06 Nov 2019 19:14

Tgt Ion: 75 Resp: 85589

Ion Ratio Lower Upper

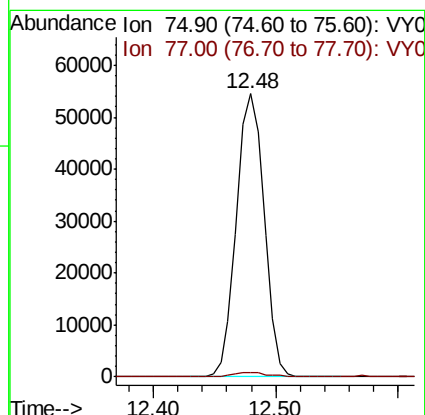
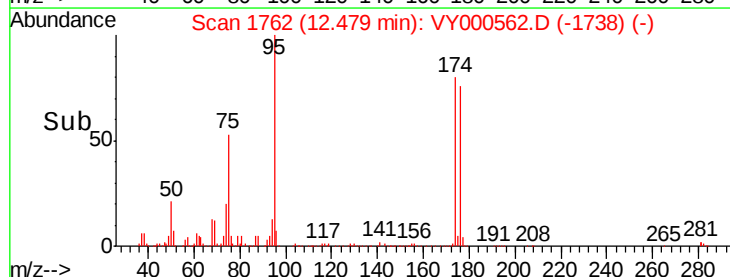
75 100

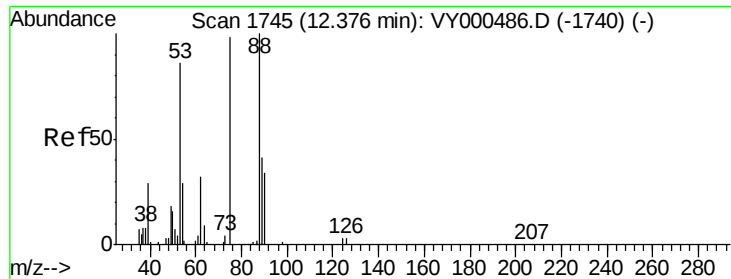
77 2.2 0.0 0.0#



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: 111.631 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000562.D

Acq: 06 Nov 2019 19:14

Instrument :

MSVOA_Y

ClientSampleId :

7-C

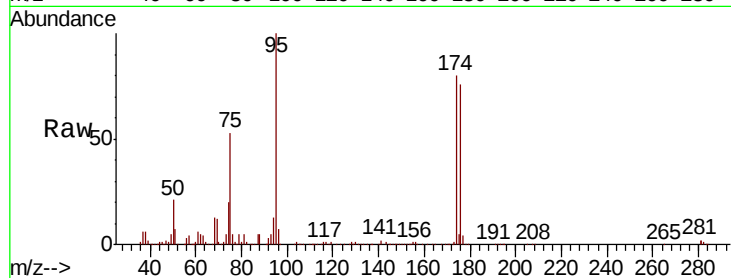
Tot Ion: 75 Resp: 85589

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.0 35.9 53.9#



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

