

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
 Data File : VY000385.D
 Acq On : 23 Oct 2019 16:46
 Operator : SY/MD
 Sample : K5494-04RE
 Misc : 9.48G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 24 04:47:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	96175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	144322	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	113508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	47365	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	47917	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	
35) Dibromofluoromethane	7.74	113	40668	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	
50) Toluene-d8	10.19	98	160249	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
62) 4-Bromofluorobenzene	12.48	95	46816	36.80	ug/l	0.00
Spiked Amount			Recovery	=	73.60%	

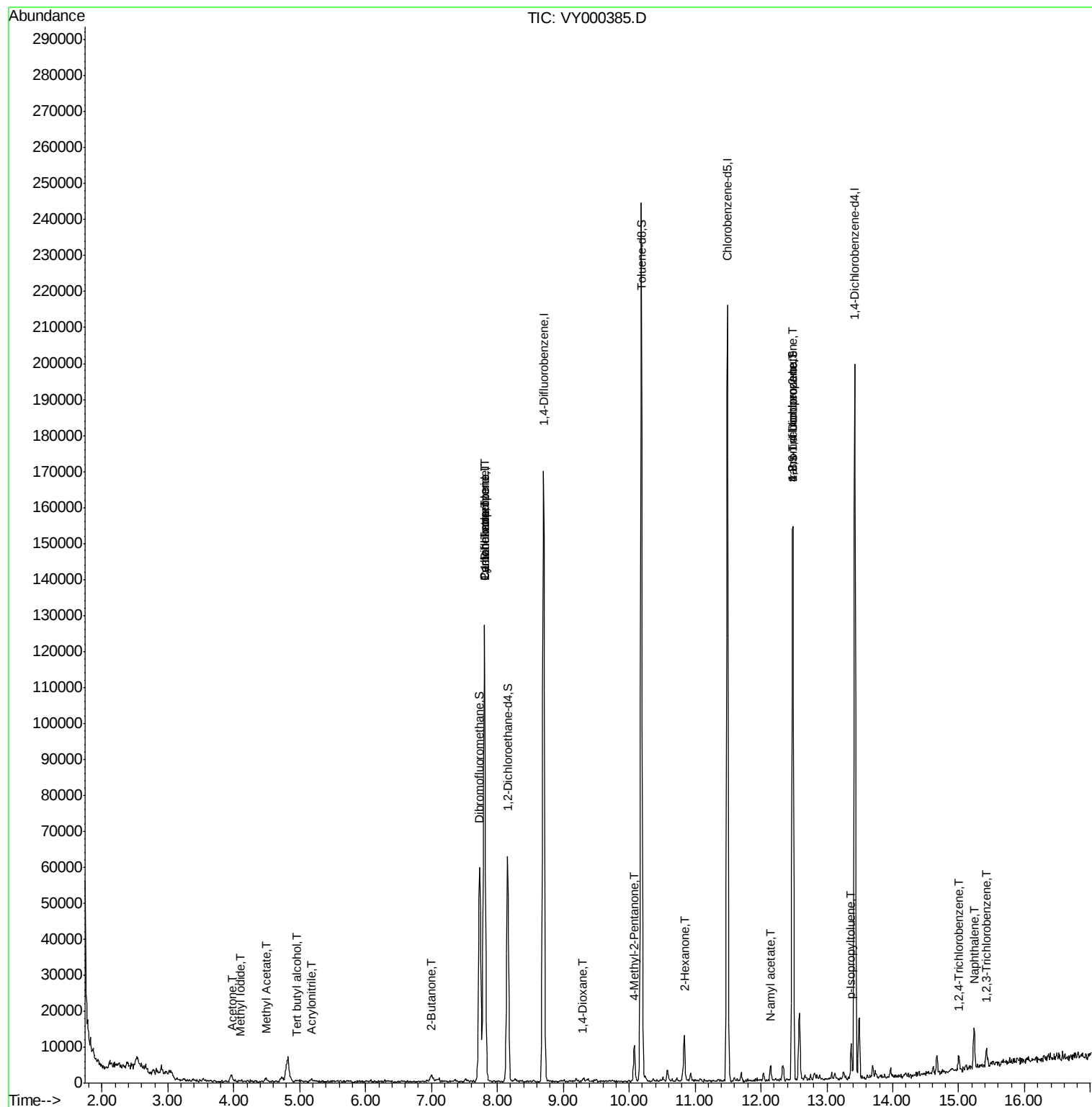
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.10	142	172	1.306	ug/l #	85
11) Tert butyl alcohol	4.96	59	269	2.534	ug/l #	73
15) Acrylonitrile	5.18	53	475	1.481	ug/l #	73
16) Acetone	3.97	43	2814	8.565	ug/l #	83
18) Methyl Acetate	4.49	43	1205	1.476	ug/l	93
20) Methylene Chloride	4.72	84	889	Below Cal	#	61
25) 2-Butanone	7.00	43	1461	3.157	ug/l #	67
31) Cyclohexane	7.80	56	2370	1.221	ug/l #	15
36) 1,1-Dichloropropene	7.80	75	7431	5.259	ug/l #	48
38) Carbon Tetrachloride	7.80	117	9507	6.949	ug/l #	20
49) 1,4-Dioxane	9.30	88	180	21.430	ug/l #	81
51) 4-Methyl-2-Pentanone	10.08	43	6287	7.662	ug/l	91
59) 2-Hexanone	10.84	43	7987	13.868	ug/l	99
74) N-amyl acetate	12.15	43	1948	2.149	ug/l #	86
76) 1,2,3-Trichloropropane	12.48	75	24128	41.427	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	24128	90.640	ug/l #	14
86) p-Isopropyltoluene	13.37	119	4656	1.408	ug/l	95
93) 1,2,4-Trichlorobenzene	15.00	180	1385	1.358	ug/l	85
95) Naphthalene	15.23	128	8720	3.830	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.42	180	1280	1.392	ug/l	87

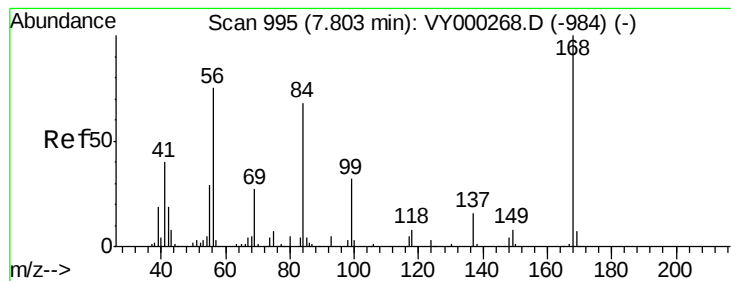
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
Data File : VY000385.D
Acq On : 23 Oct 2019 16:46
Operator : SY/MD
Sample : K5494-04RE
Misc : 9.48G/5ML/MSVOA Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 24 04:47:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 17 02:03:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000385.D

Acq: 23 Oct 2019 16:46

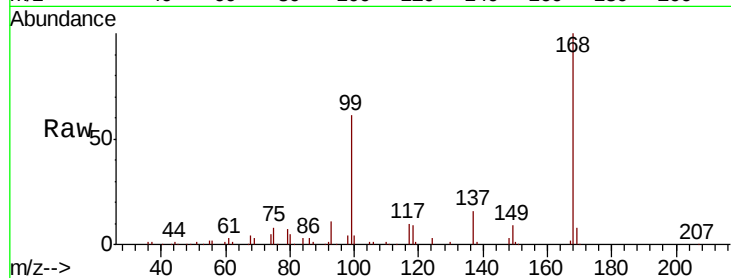
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 96175

Ion Ratio Lower Upper

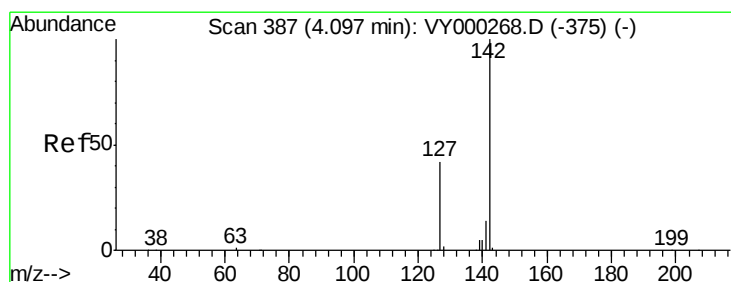
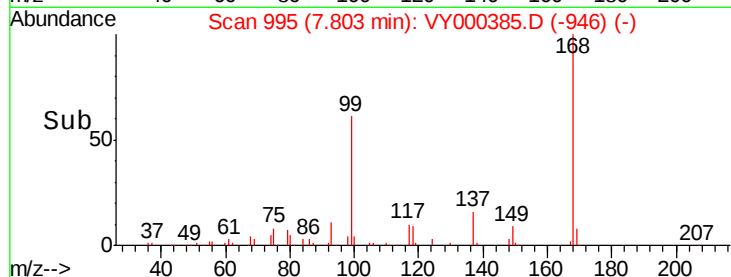
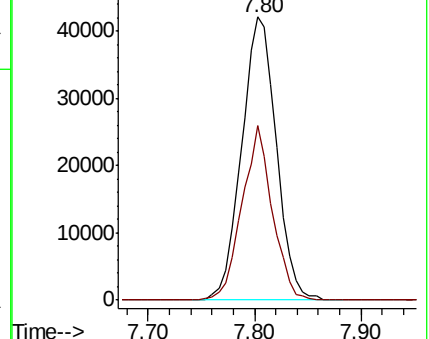
168 100

99 61.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 1.306 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000385.D

Acq: 23 Oct 2019 16:46

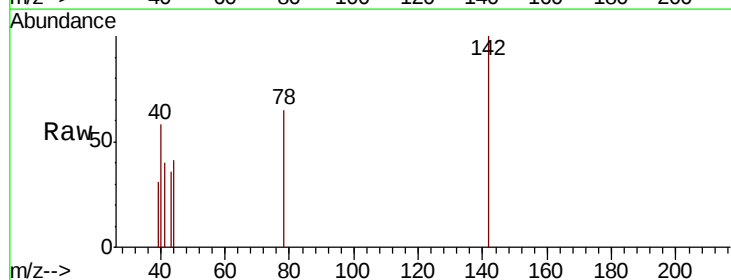
Tgt Ion:142 Resp: 172

Ion Ratio Lower Upper

142 100

127 37.2 33.9 50.9

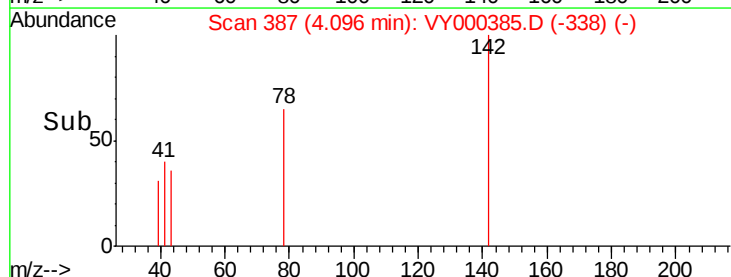
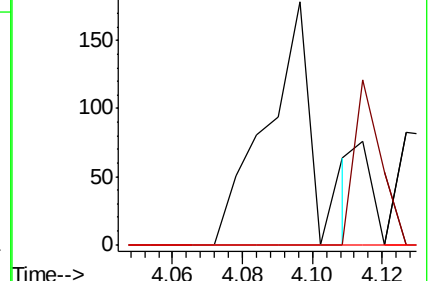
141 0.0 11.2 16.8#

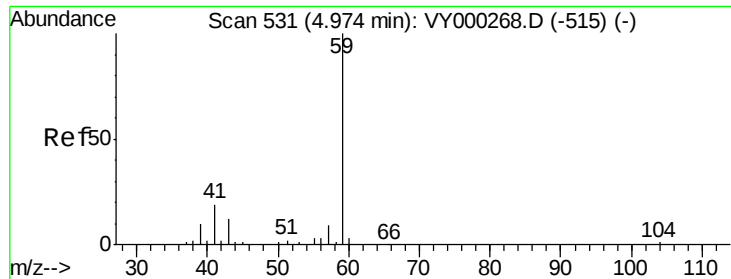


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

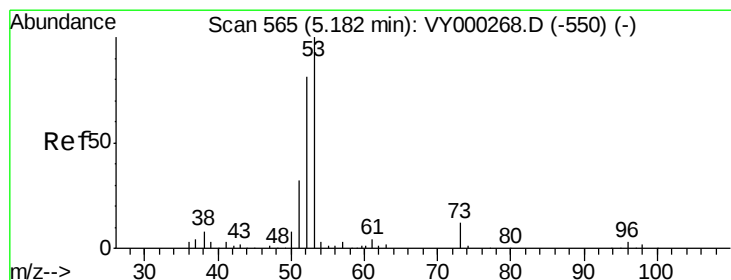
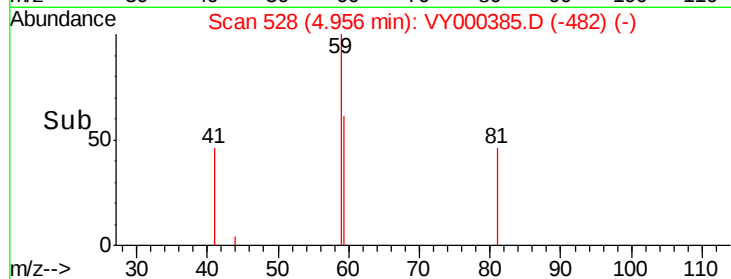
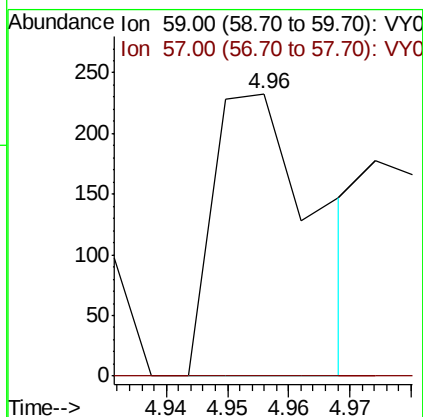
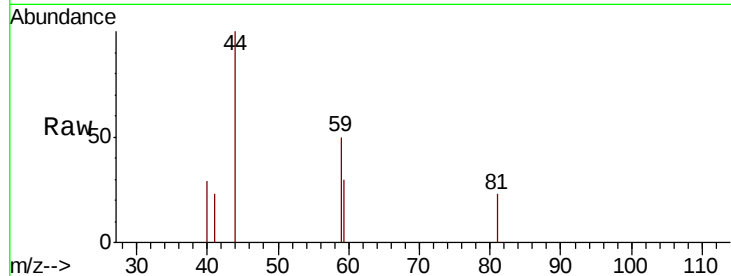




#11
Tert butyl alcohol
Concen: 2.534 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.02 min
Lab File: VY000385.D
Acq: 23 Oct 2019 16:46

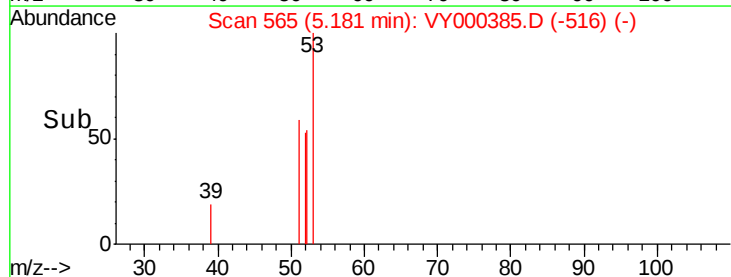
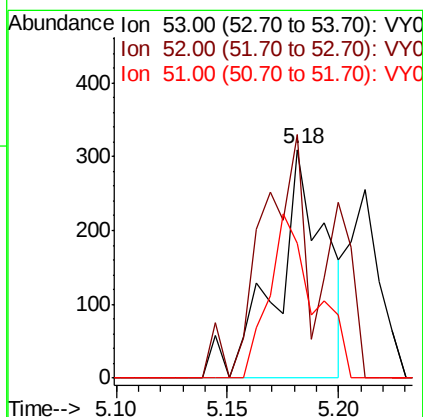
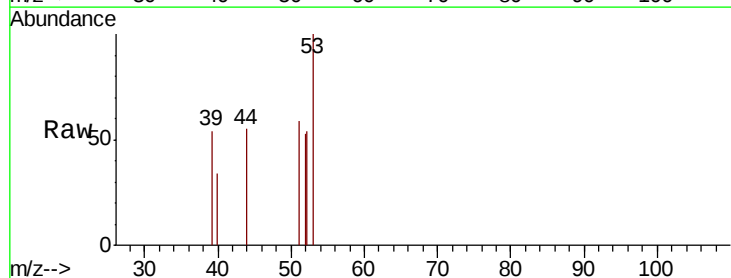
Instrument :
MSVOA_Y
ClientSampleId :

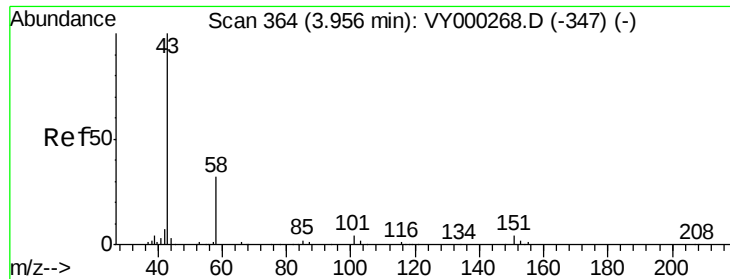
Tot Ion: 59 Resp: 269
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#15
Acrylonitrile
Concen: 1.481 ug/l
RT: 5.18 min Scan# 565
Delta R.T. -0.00 min
Lab File: VY000385.D
Acq: 23 Oct 2019 16:46

Tgt Ion: 53 Resp: 475
Ion Ratio Lower Upper
53 100
52 90.9 62.9 94.3
51 66.3 26.9 40.3#





#16

Acetone

Concen: 8.565 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VY000385.D

Acq: 23 Oct 2019 16:46

Instrument :

MSVOA_Y

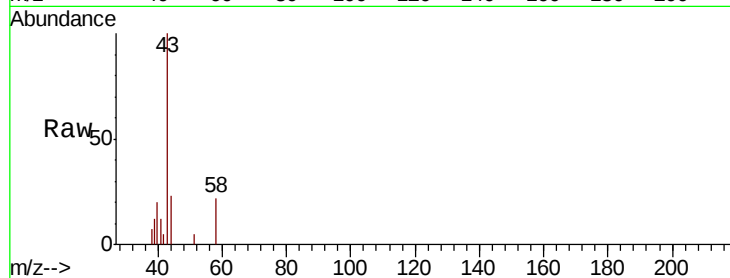
ClientSampleId :

Tot Ion: 43 Resp: 2814

Ion Ratio Lower Upper

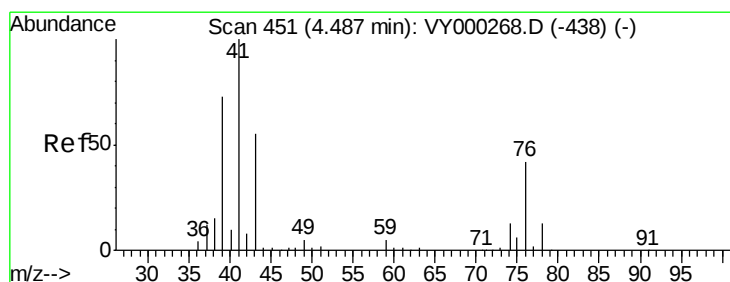
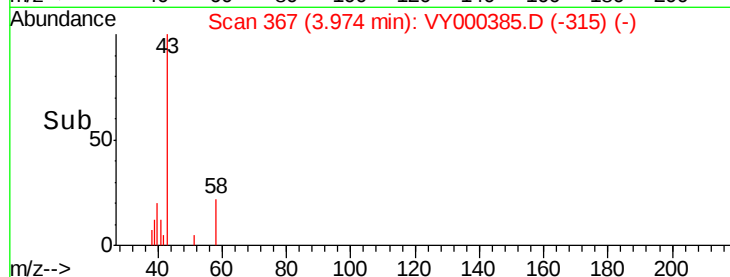
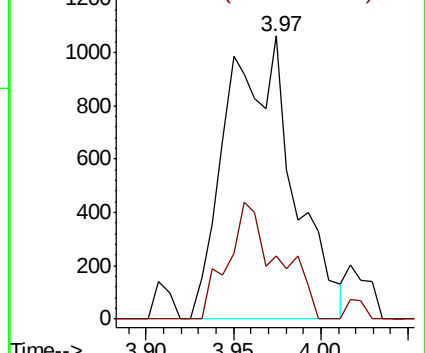
43 100

58 22.4 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#18

Methyl Acetate

Concen: 1.476 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000385.D

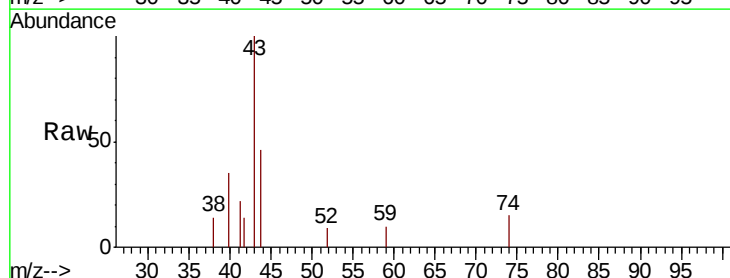
Acq: 23 Oct 2019 16:46

Tgt Ion: 43 Resp: 1205

Ion Ratio Lower Upper

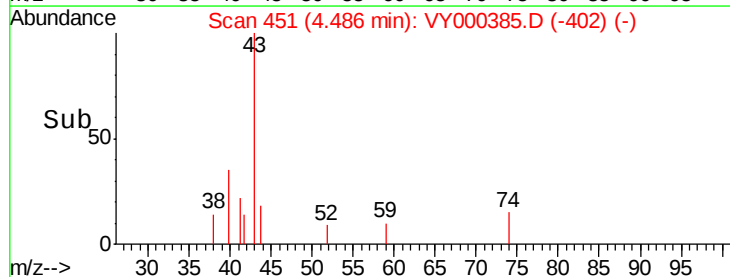
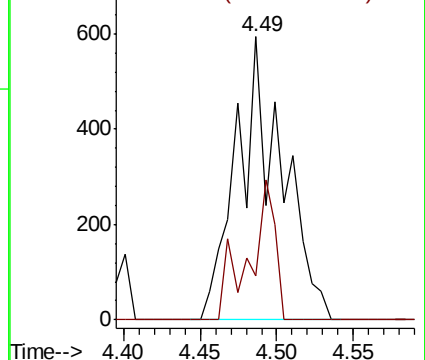
43 100

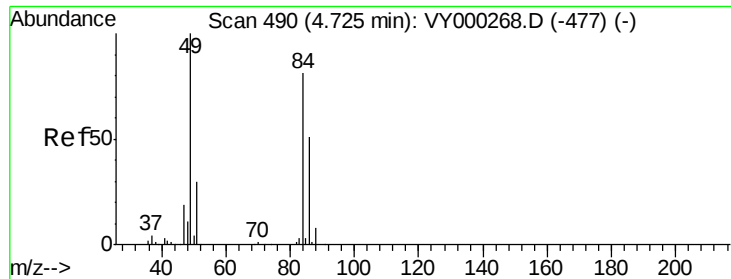
74 21.7 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

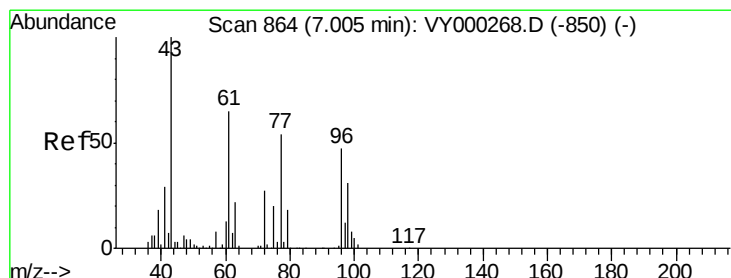
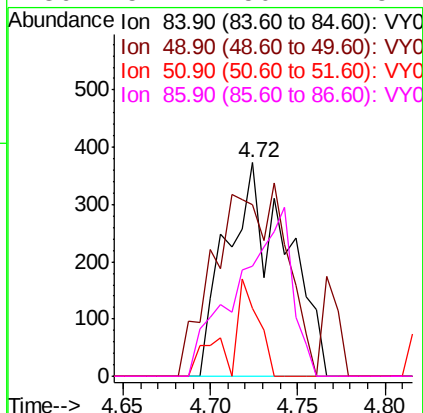
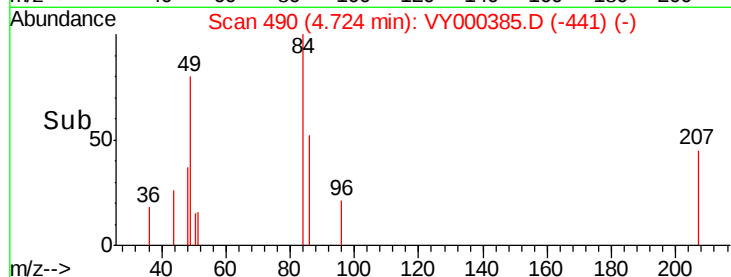
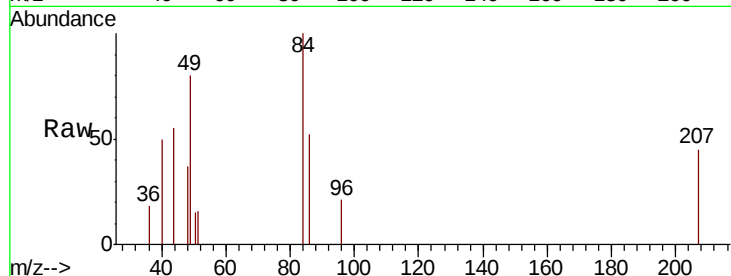




#20
Methylene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000385.D
Acq: 23 Oct 2019 16:46

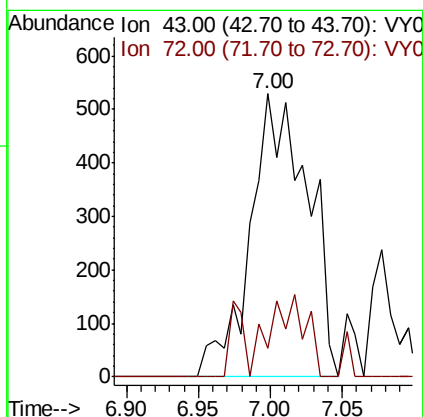
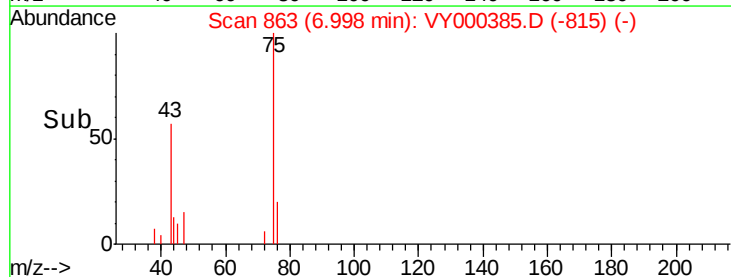
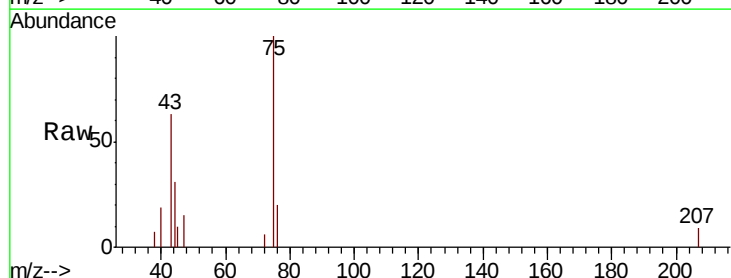
Instrument :
MSVOA_Y
ClientSampleId :

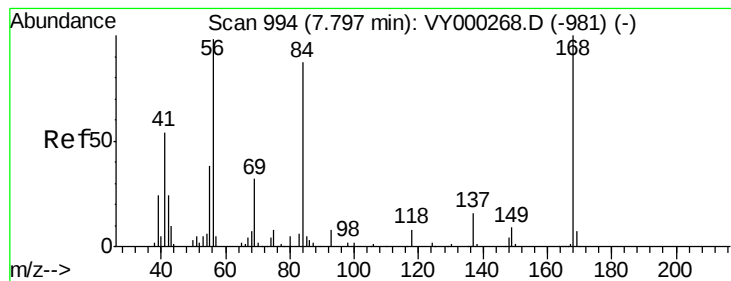
Tot Ion: 84 Resp: 889
Ion Ratio Lower Upper
84 100
49 54.2 99.0 148.4#
51 31.6 29.3 43.9
86 51.7 50.2 75.4



#25
2-Butanone
Concen: 3.157 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY000385.D
Acq: 23 Oct 2019 16:46

Tgt Ion: 43 Resp: 1461
Ion Ratio Lower Upper
43 100
72 10.0 21.4 32.2#





#31

Cyclohexane

Concen: 1.221 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000385.D

Acq: 23 Oct 2019 16:46

Instrument :
MSVOA_Y
ClientSampled :

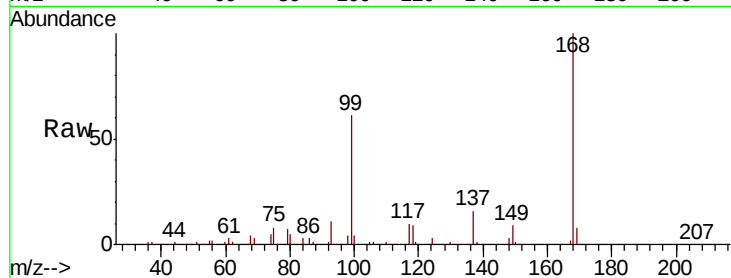
Tot Ion: 56 Resp: 2370

Ion Ratio Lower Upper

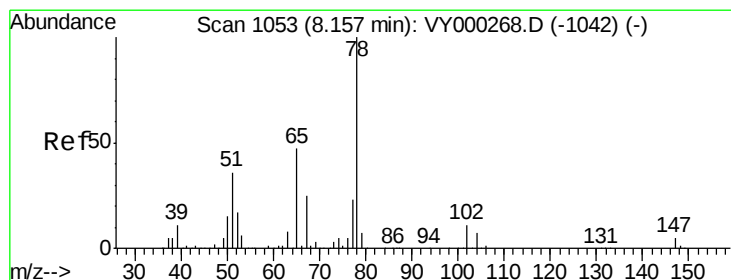
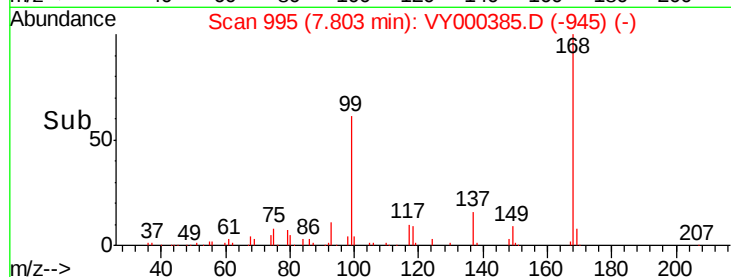
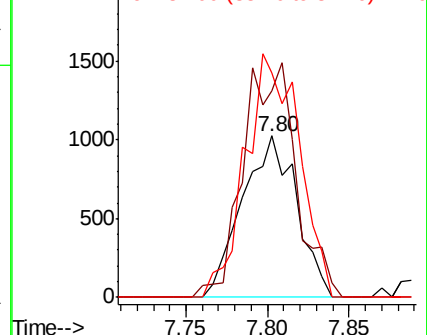
56 100

69 128.4 26.3 39.5#

84 139.0 70.8 106.2#



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: 47.232 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY000385.D

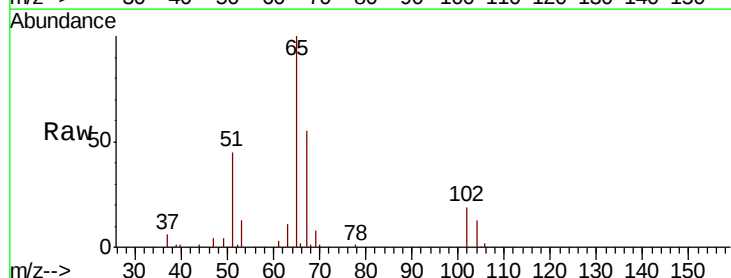
Acq: 23 Oct 2019 16:46

Tgt Ion: 65 Resp: 47917

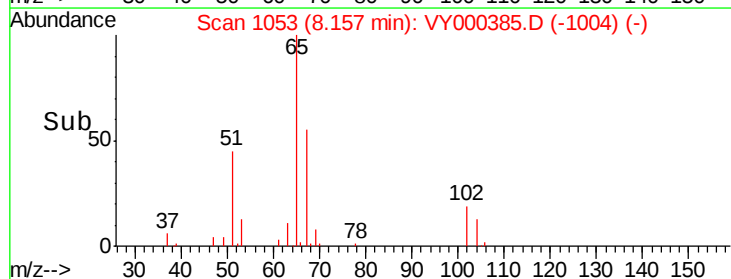
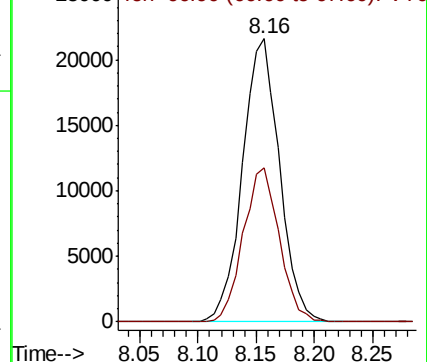
Ion Ratio Lower Upper

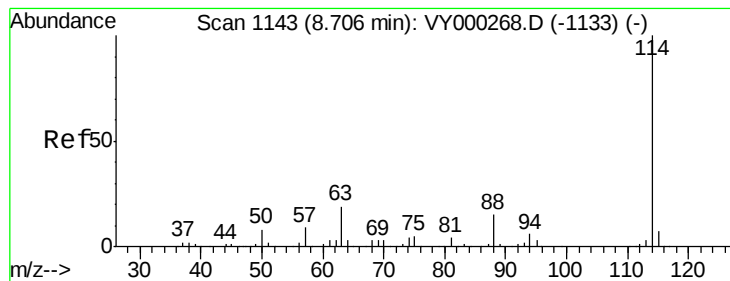
65 100

67 53.0 0.0 109.4



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. -0.01 min

Lab File: VY000385.D

Acq: 23 Oct 2019 16:46

Instrument :

MSVOA_Y

ClientSampleId :

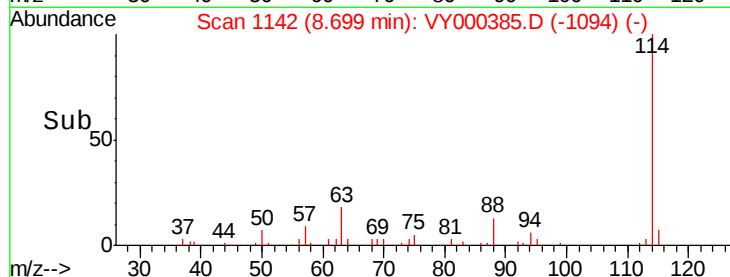
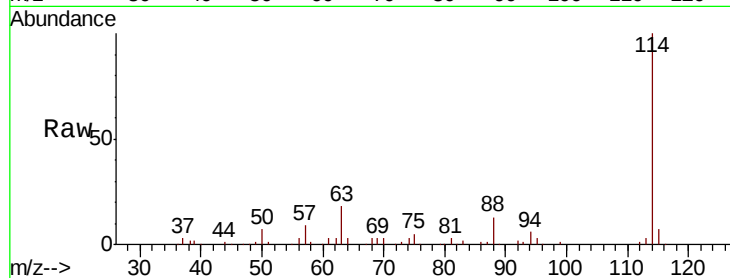
Tot Ion:114 Resp: 144322

Ion Ratio Lower Upper

114 100

63 17.6 0.0 37.2

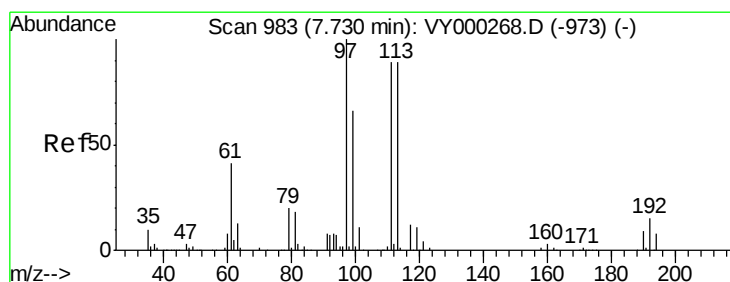
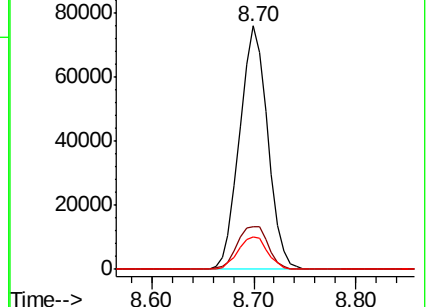
88 13.1 0.0 30.2



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: 46.715 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY000385.D

Acq: 23 Oct 2019 16:46

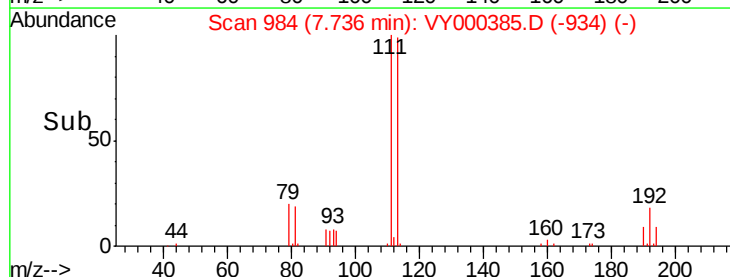
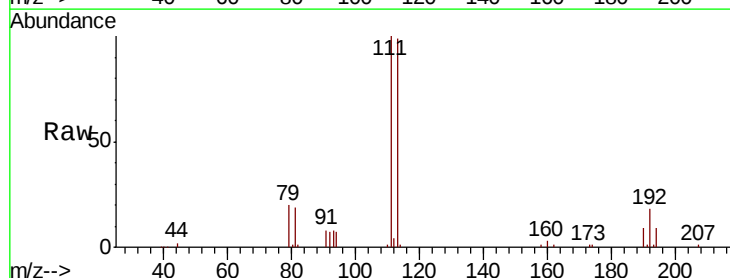
Tgt Ion:113 Resp: 40668

Ion Ratio Lower Upper

113 100

111 105.3 81.6 122.4

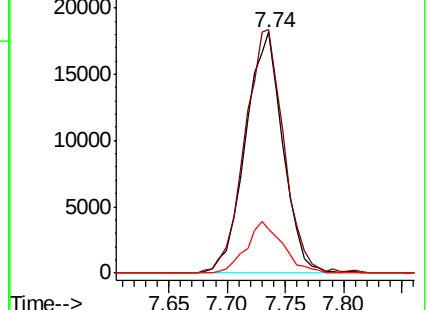
192 20.9 15.3 22.9

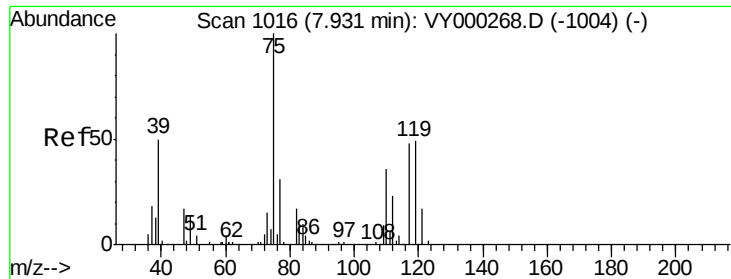


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

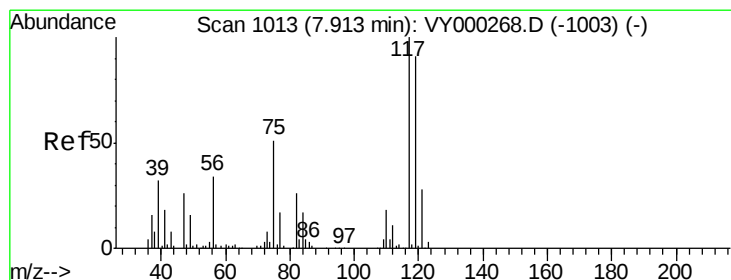
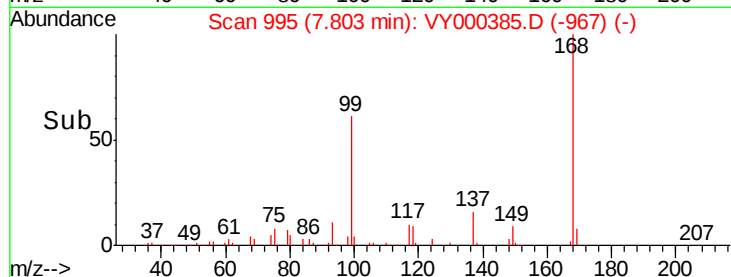
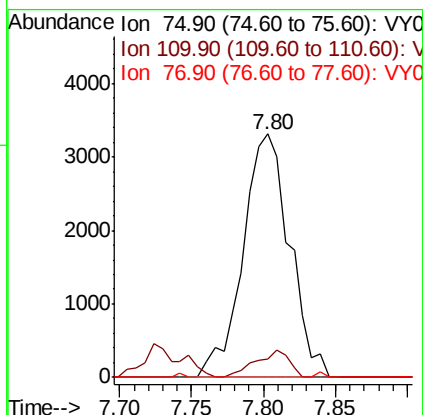
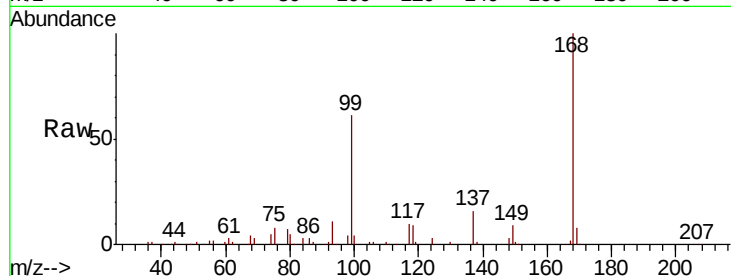




#36
 1,1-Dichloropropene
 Concen: 5.259 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000385.D
 Acq: 23 Oct 2019 16:46

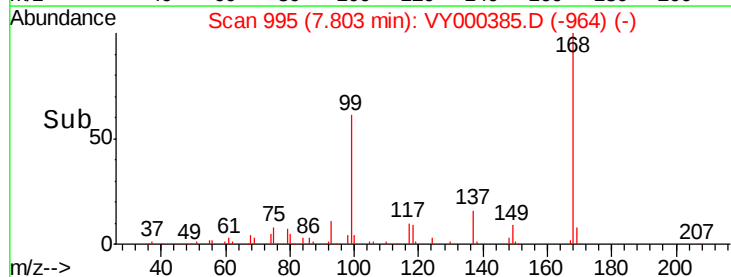
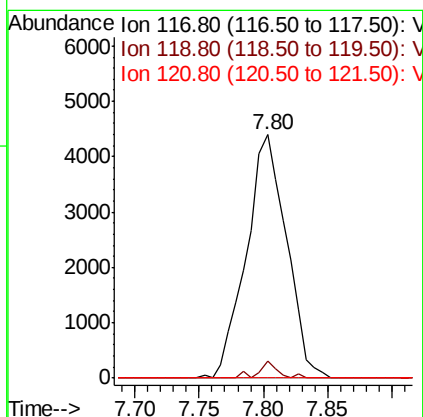
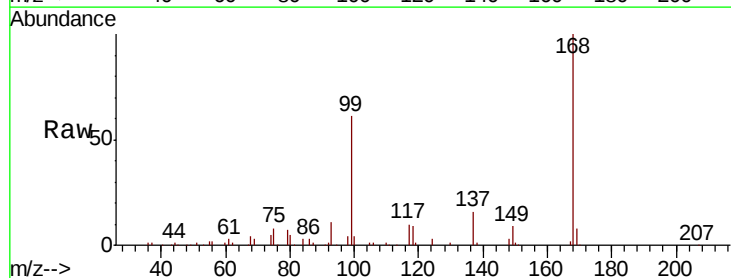
Instrument :
 MSVOA_Y
 ClientSampleId :

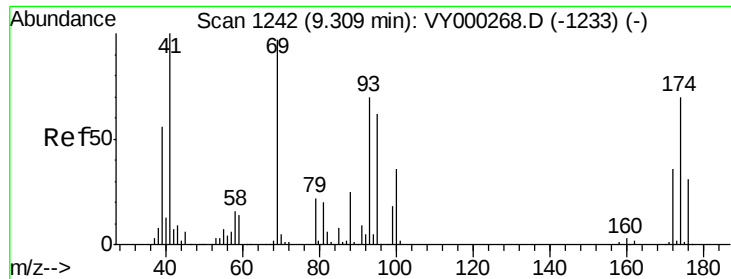
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.4	55.4#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.949 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000385.D
 Acq: 23 Oct 2019 16:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.0	72.8	109.2#
121	0.0	22.2	33.2#

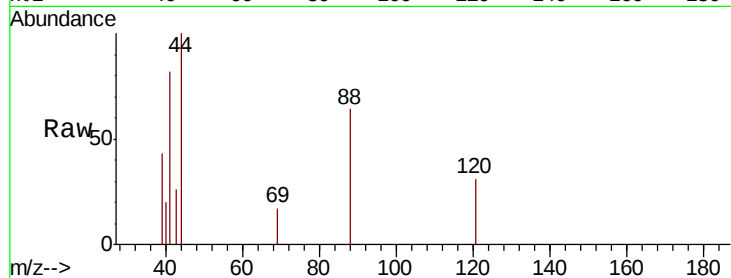




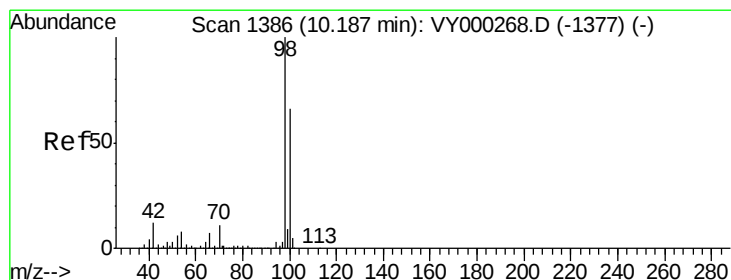
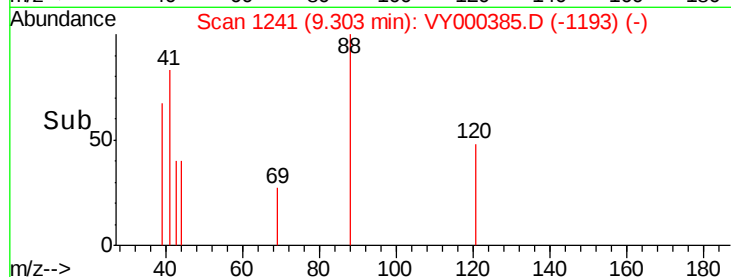
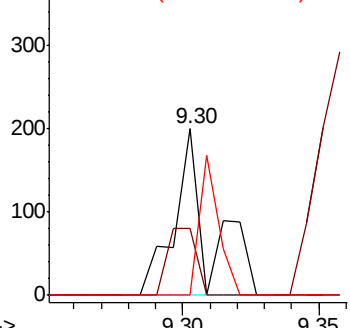
#49
1,4-Dioxane
Concen: 21.430 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY000385.D
Acq: 23 Oct 2019 16:46

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 88 Resp: 180
Ion Ratio Lower Upper
88 100
43 32.8 25.6 38.4
58 45.6 54.6 81.8#

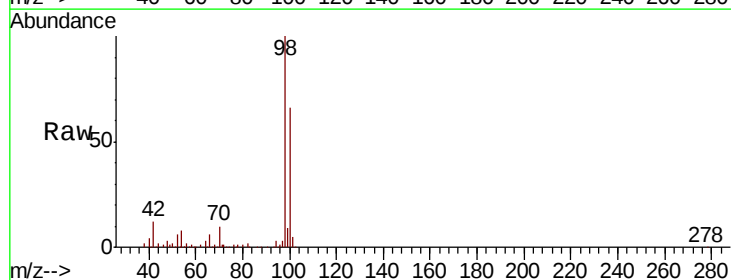


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

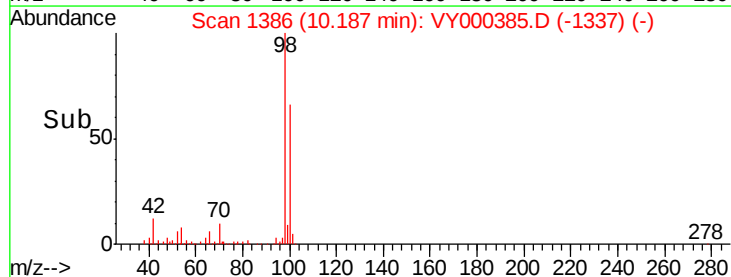
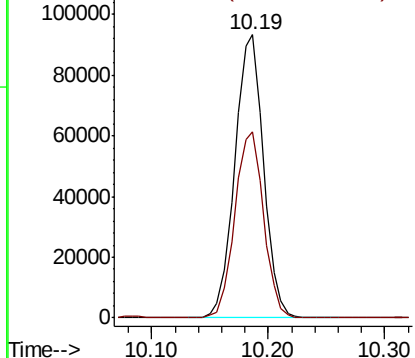


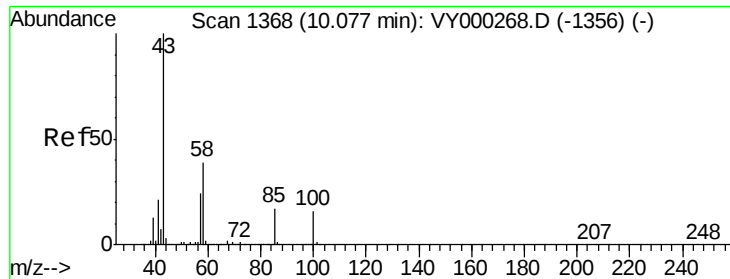
#50
Toluene-d8
Concen: 47.852 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000385.D
Acq: 23 Oct 2019 16:46

Tgt Ion: 98 Resp: 160249
Ion Ratio Lower Upper
98 100
100 65.9 52.8 79.2



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

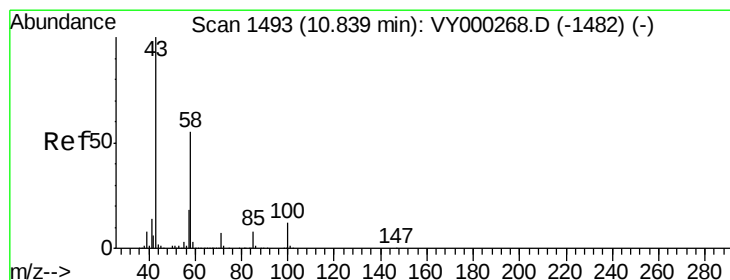
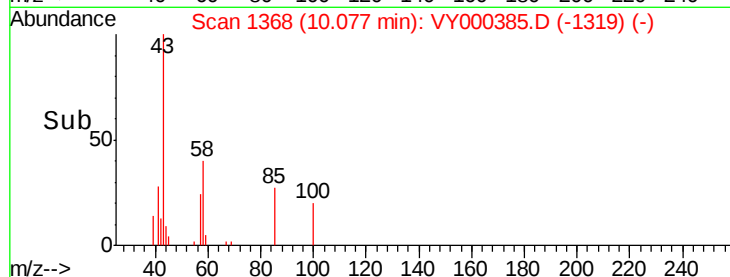
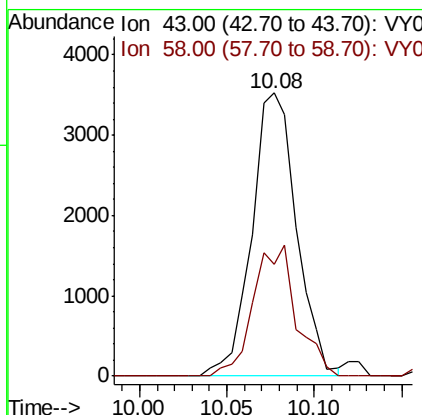
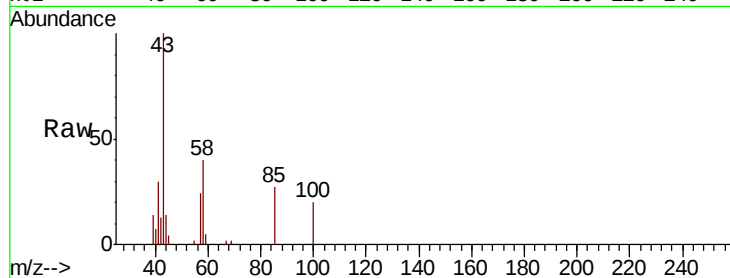




#51
4-Methyl-2-Pentanone
Concen: 7.662 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000385.D
Acq: 23 Oct 2019 16:46

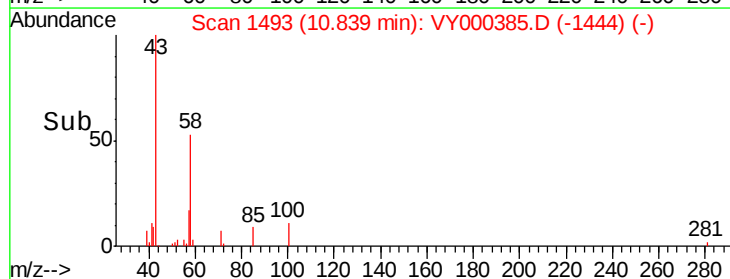
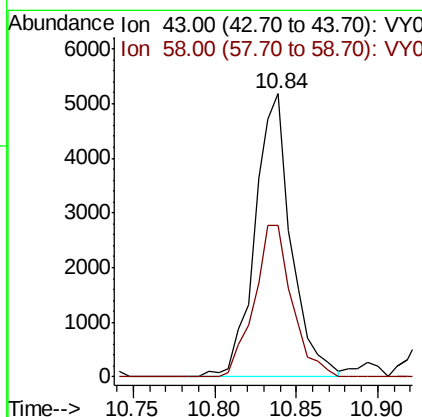
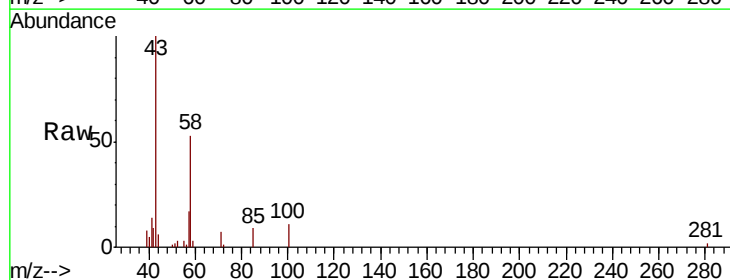
Instrument :
MSVOA_Y
ClientSampleId :

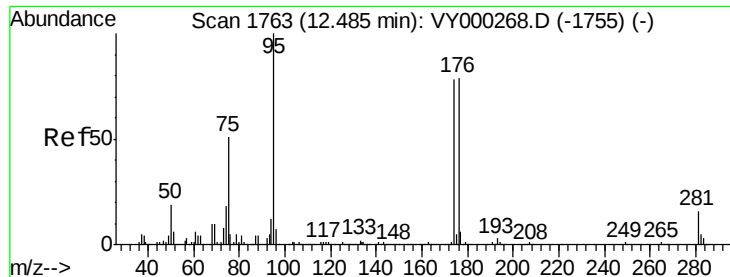
Tot Ion: 43 Resp: 6287
Ion Ratio Lower Upper
43 100
58 44.3 31.0 46.6



#59
2-Hexanone
Concen: 13.868 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY000385.D
Acq: 23 Oct 2019 16:46

Tgt Ion: 43 Resp: 7987
Ion Ratio Lower Upper
43 100
58 56.0 27.7 83.1

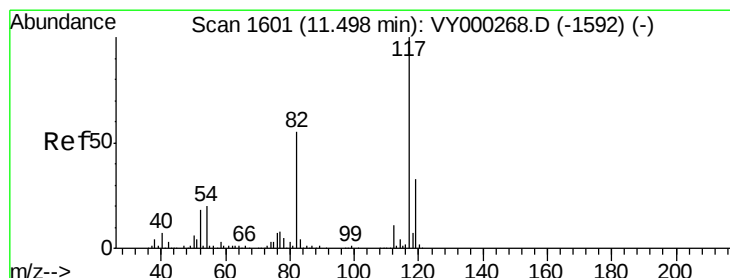
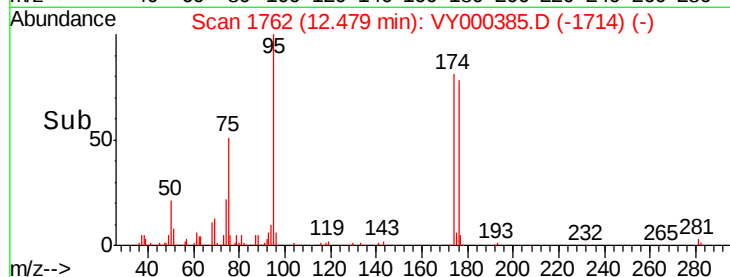
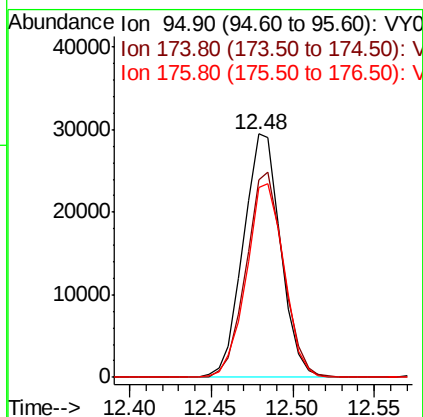
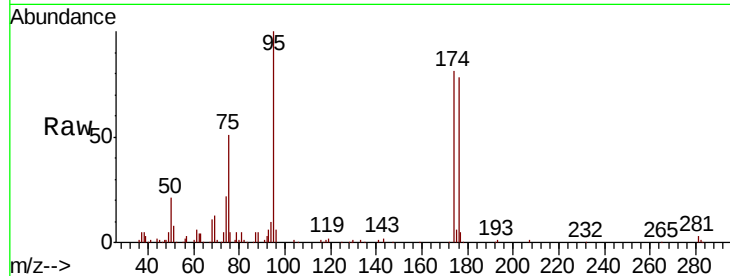




#62
4-Bromofluorobenzene
Concen: 36.798 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000385.D
Acq: 23 Oct 2019 16:46

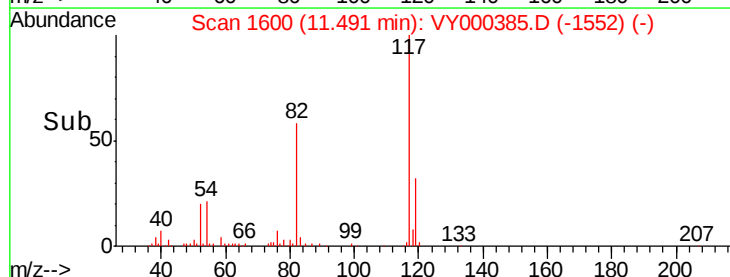
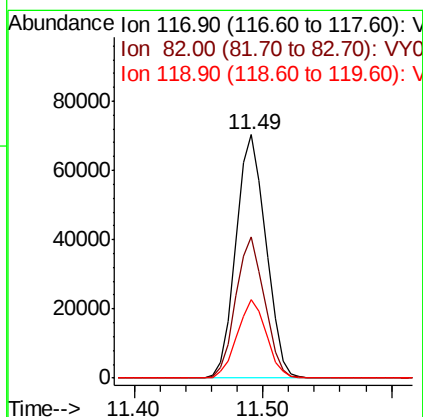
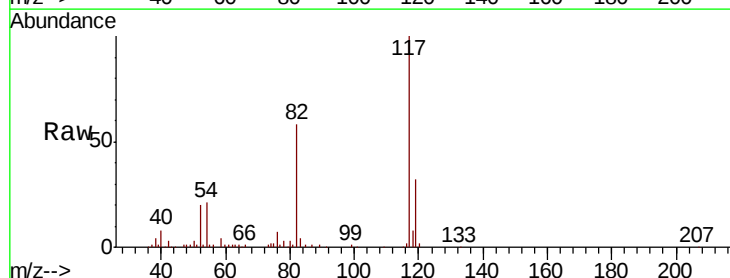
Instrument :
MSVOA_Y
ClientSampleId :

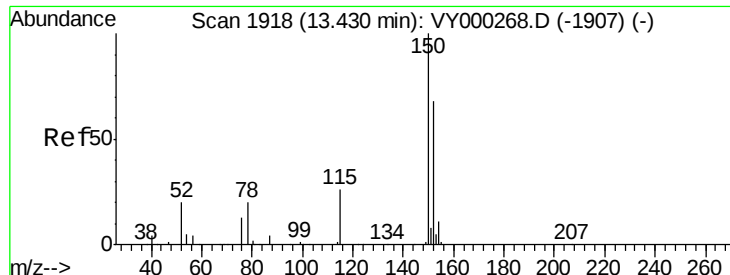
Tot Ion: 95 Resp: 46816
Ion Ratio Lower Upper
95 100
174 84.2 0.0 159.6
176 80.8 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000385.D
Acq: 23 Oct 2019 16:46

Tgt Ion: 117 Resp: 113508
Ion Ratio Lower Upper
117 100
82 57.9 43.7 65.5
119 32.1 26.6 39.8



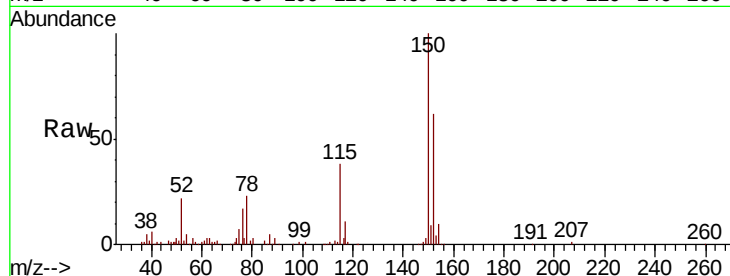


#72

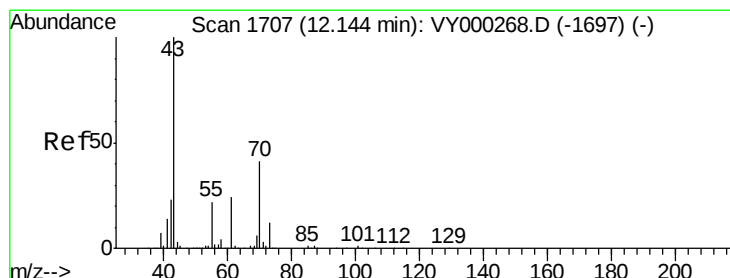
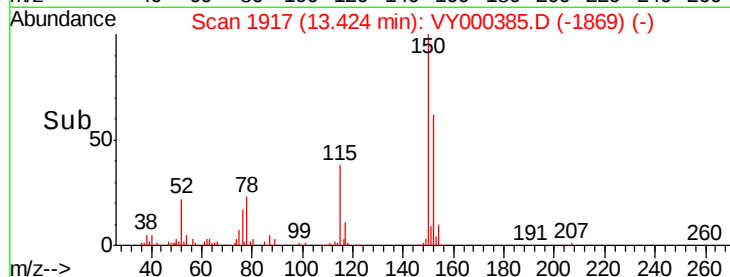
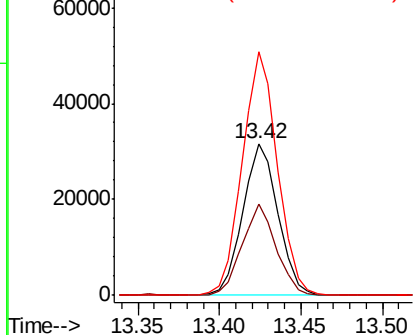
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000385.D
Acq: 23 Oct 2019 16:46

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.3	88.0
150	160.7	0.0	348.4



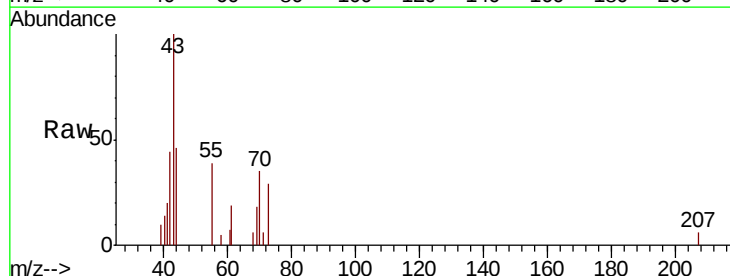
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



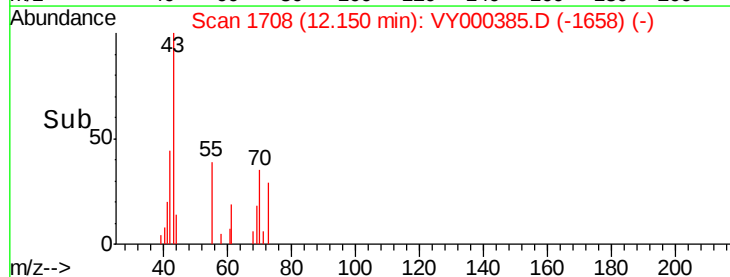
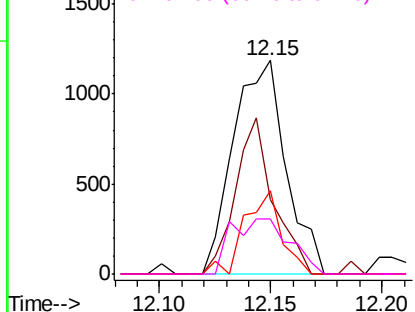
#74

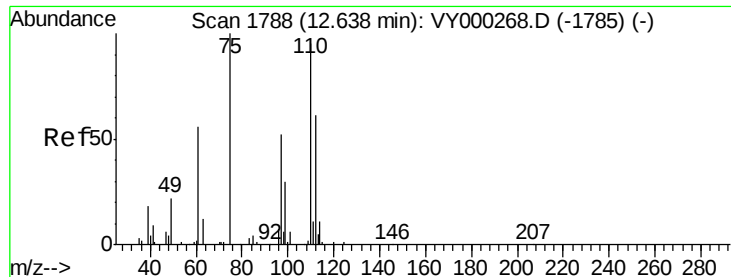
N-ethyl acetate
Concen: 2.149 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.01 min
Lab File: VY000385.D
Acq: 23 Oct 2019 16:46

Tgt Ion	Ratio	Lower	Upper
43	100		
70	52.6	32.9	49.3#
55	27.4	17.8	26.6#
61	28.6	19.5	29.3



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 70.00 (69.70 to 70.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 61.00 (60.70 to 61.70): VY0





#76

1,2,3-Trichloropropane

Concen: 41.427 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000385.D

Acq: 23 Oct 2019 16:46

Instrument :

MSVOA_Y

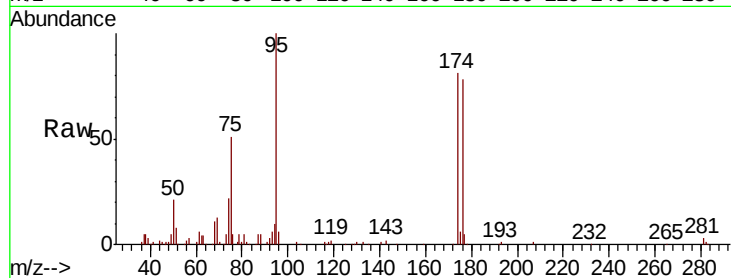
ClientSampleId :

Tot Ion: 75 Resp: 24128

Ion Ratio Lower Upper

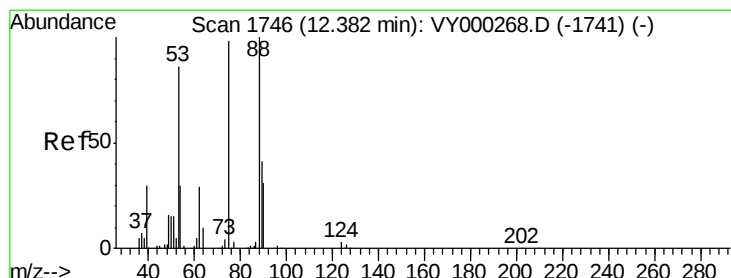
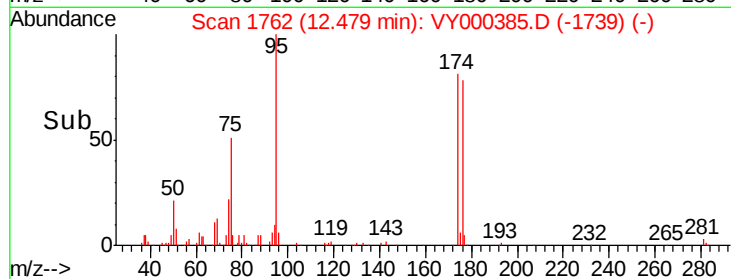
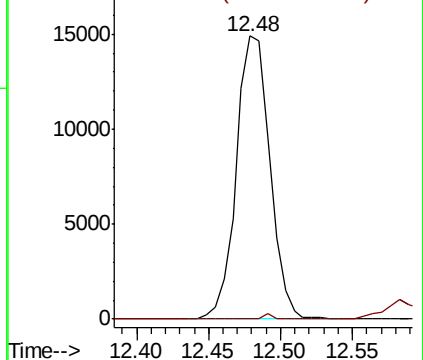
75 100

77 0.4 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: 90.640 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000385.D

Acq: 23 Oct 2019 16:46

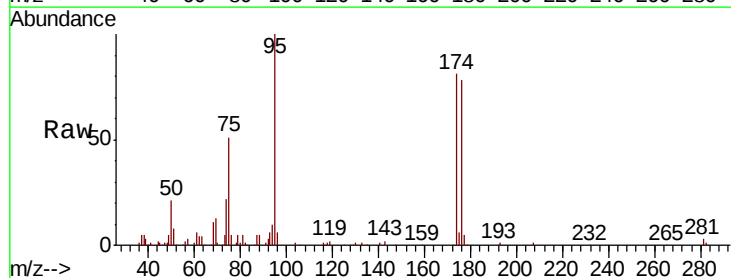
Tgt Ion: 75 Resp: 24128

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

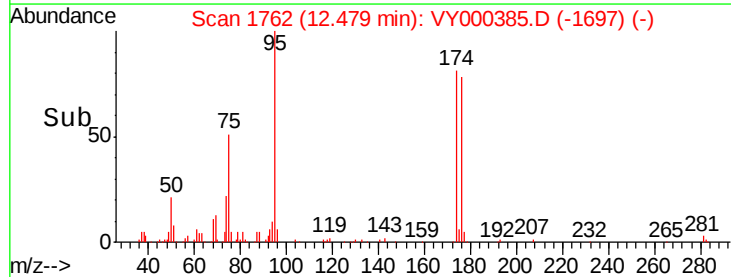
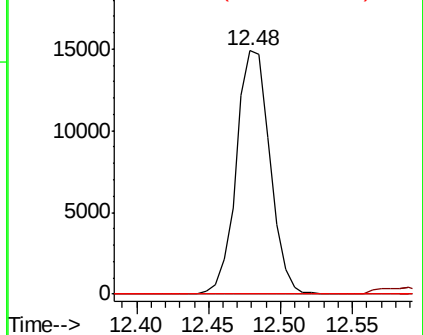
89 0.0 35.1 52.7#

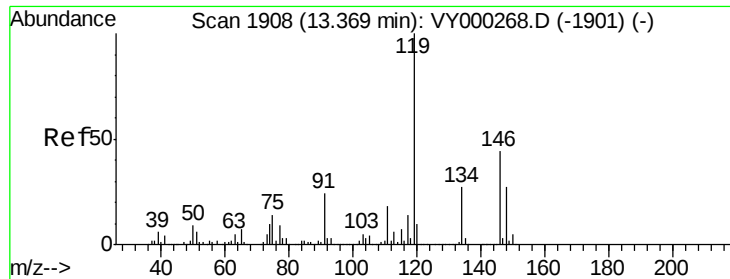


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

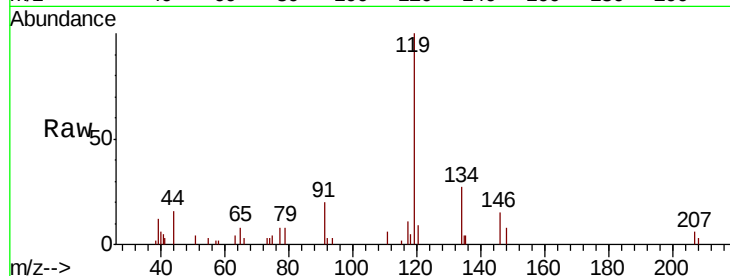




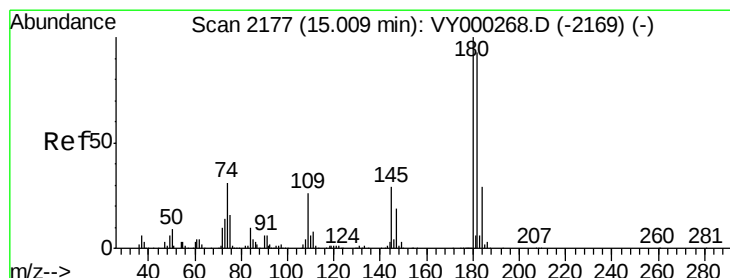
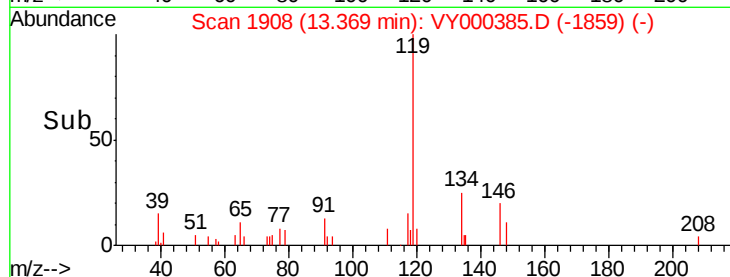
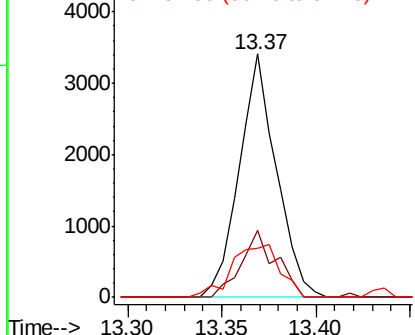
#86
p-Isopropyltoluene
Concen: 1.408 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VY000385.D
Acq: 23 Oct 2019 16:46

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:119 Resp: 4656
Ion Ratio Lower Upper
119 100
134 25.7 13.6 40.8
91 27.9 12.0 36.1

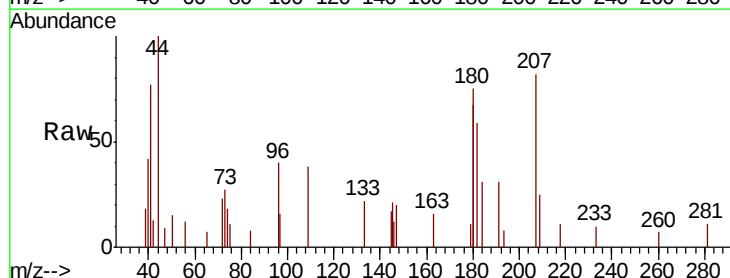


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

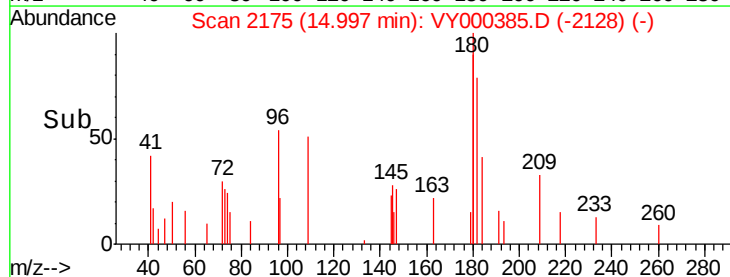
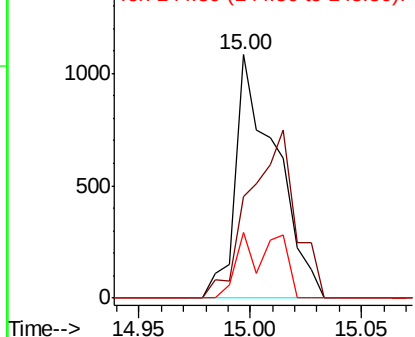


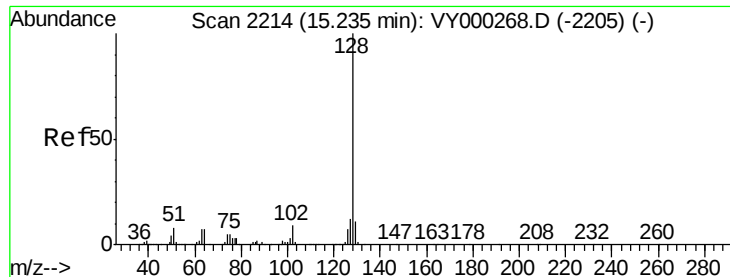
#93
1,2,4-Trichlorobenzene
Concen: 1.358 ug/l
RT: 15.00 min Scan# 2175
Delta R.T. -0.01 min
Lab File: VY000385.D
Acq: 23 Oct 2019 16:46

Tgt Ion:180 Resp: 1385
Ion Ratio Lower Upper
180 100
182 78.0 47.5 142.6
145 26.4 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

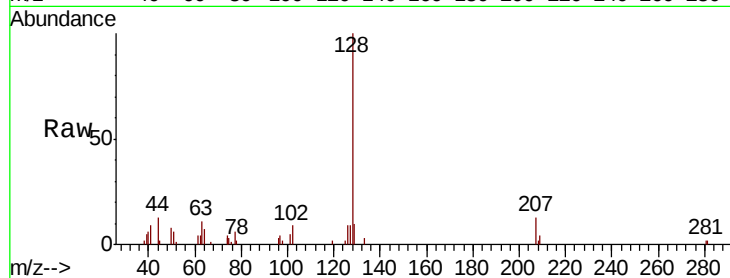




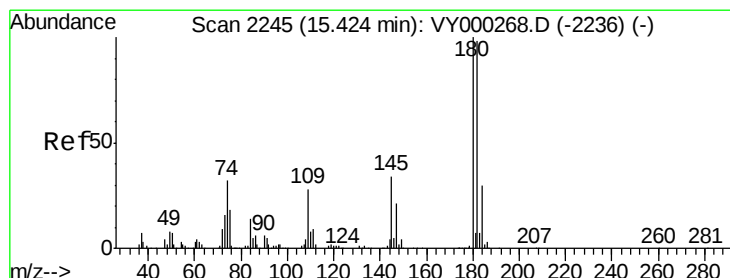
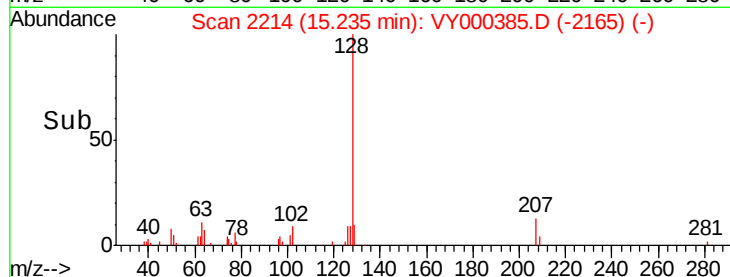
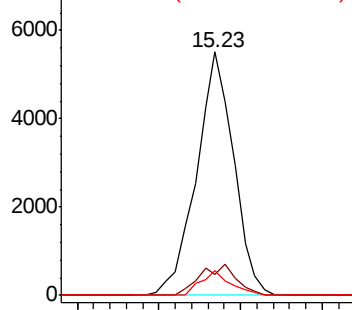
#95
Naphthalene
Concen: 3.830 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000385.D
Acq: 23 Oct 2019 16:46

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 8720
Ion Ratio Lower Upper
128 100
127 12.6 9.6 14.4
129 8.1 8.7 13.1#

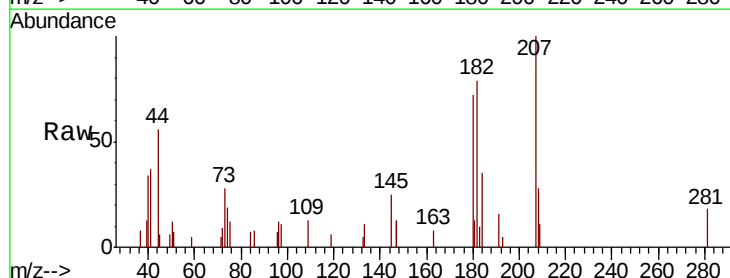


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 1.392 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY000385.D
Acq: 23 Oct 2019 16:46

Tgt Ion:180 Resp: 1280
Ion Ratio Lower Upper
180 100
182 104.4 46.5 139.5
145 40.5 16.2 48.5



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

