

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101519\
 Data File : VY000318.D
 Acq On : 15 Oct 2019 15:48
 Operator : SY/MD
 Sample : K5392-02
 Misc : 4.85G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-22A-S2

Quant Time: Oct 15 17:40:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	296345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	494142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	417317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	171515	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	166009	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	
35) Dibromofluoromethane	7.73	113	144193	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
50) Toluene-d8	10.18	98	571840	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.48	95	180176	41.36	ug/l	0.00
Spiked Amount			Recovery	=	82.72%	

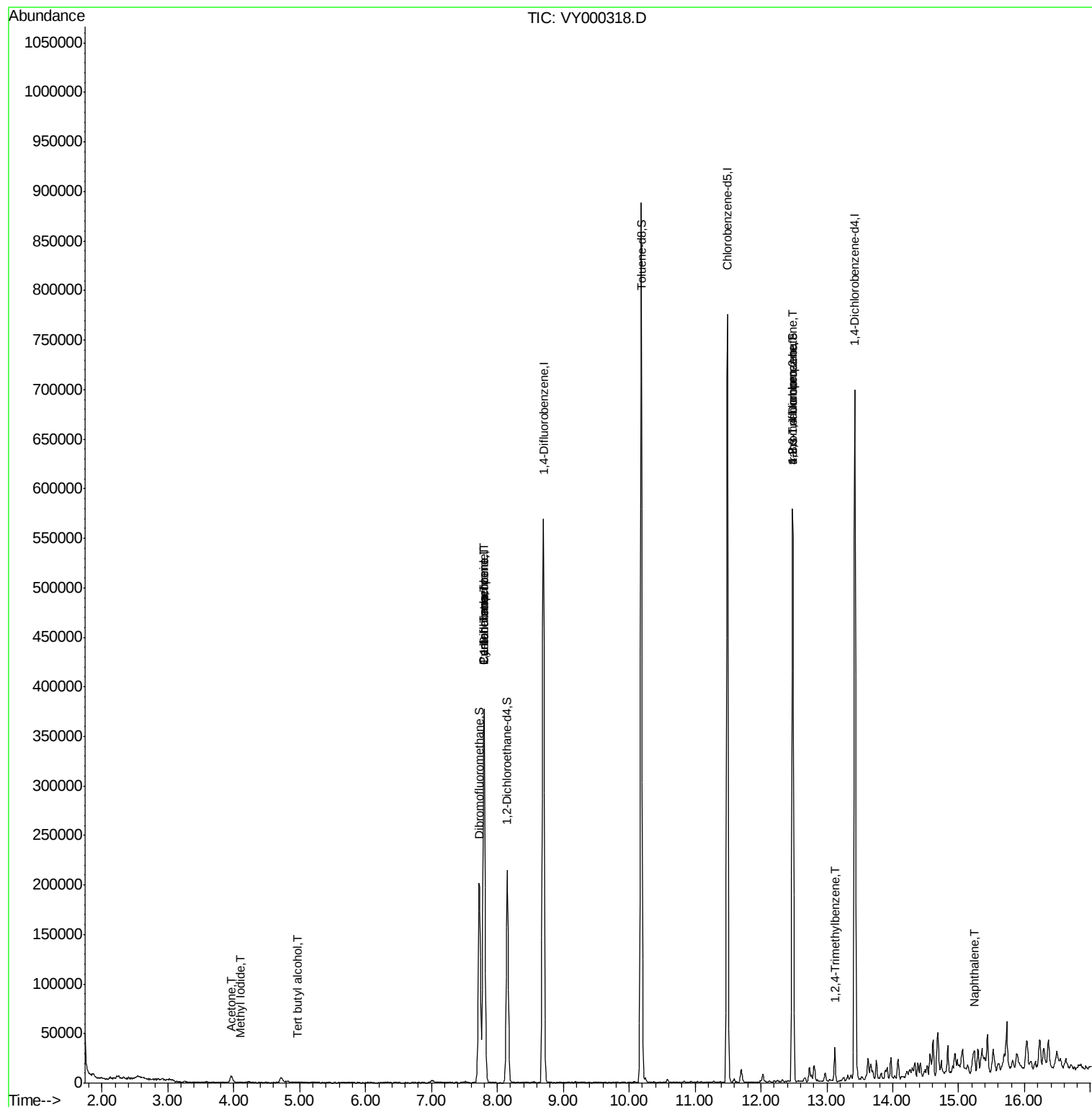
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.15	85	23	Below Cal	#	41
10) Methyl Iodide	4.11	142	139	1.217	ug/l #	41
11) Tert butyl alcohol	4.97	59	1204	3.680	ug/l #	73
16) Acetone	3.96	43	12010	11.864	ug/l	97
20) Methylene Chloride	4.71	84	3101	Below Cal	#	83
31) Cyclohexane	7.80	56	6697	1.120	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	23379	4.832	ug/l #	48
38) Carbon Tetrachloride	7.80	117	29355	6.267	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	93835	44.492	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	93835	97.346	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.12	105	16371	1.479	ug/l	94
95) Naphthalene	15.23	128	12391	1.503	ug/l #	87

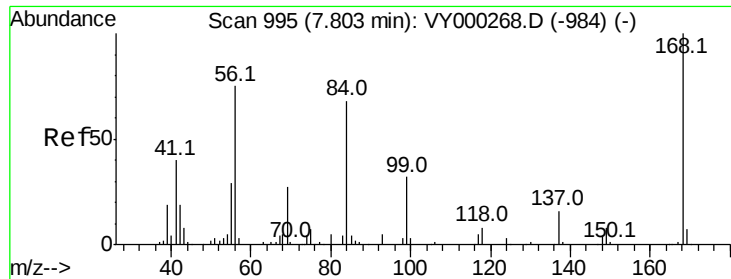
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000318.D

Acq: 15 Oct 2019 15:48

Instrument :

MSVOA_Y

ClientSampleId :

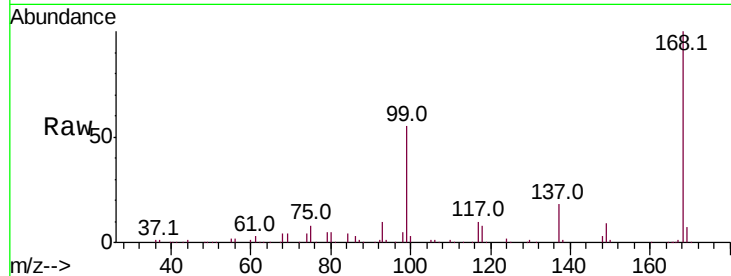
TP-22A-S2

Tot Ion:168 Resp: 296345

Ion Ratio Lower Upper

168 100

99 54.8 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000318.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000318.D (-946) (-)

7.80

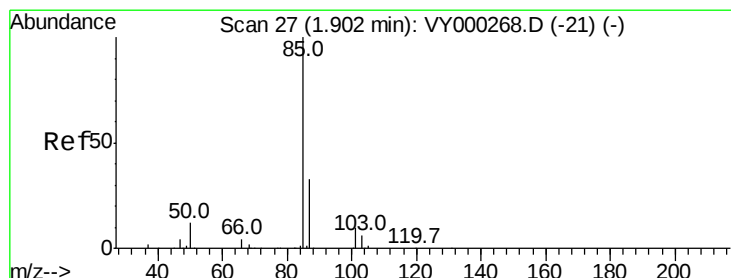
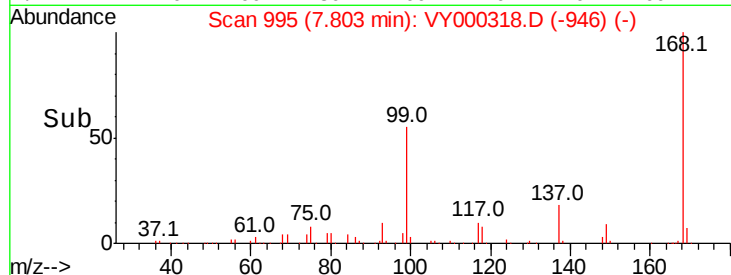
150000

100000

50000

0

Time--> 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.15 min Scan# 68

Delta R.T. 0.25 min

Lab File: VY000318.D

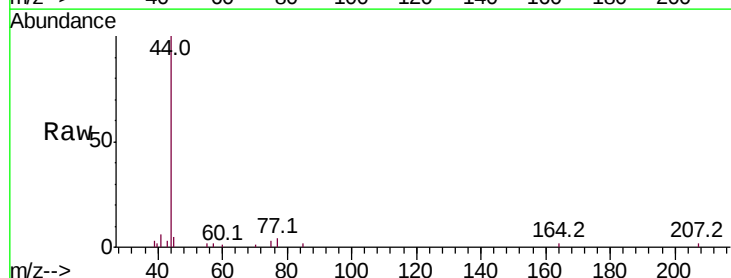
Acq: 15 Oct 2019 15:48

Tgt Ion: 85 Resp: 23

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000318.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000318.D (-1) (-)

2.15

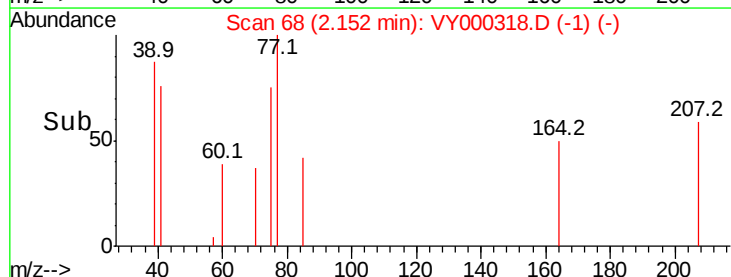
60

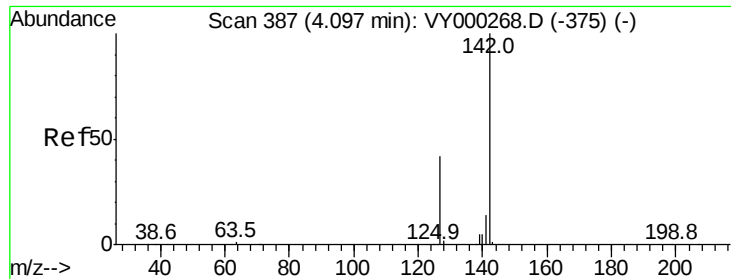
40

20

0

Time--> 2.13 2.14 2.15 2.16 2.17

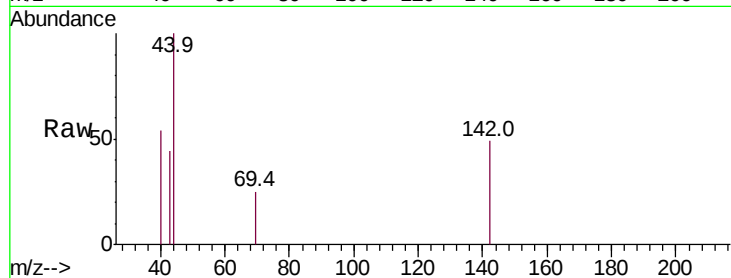




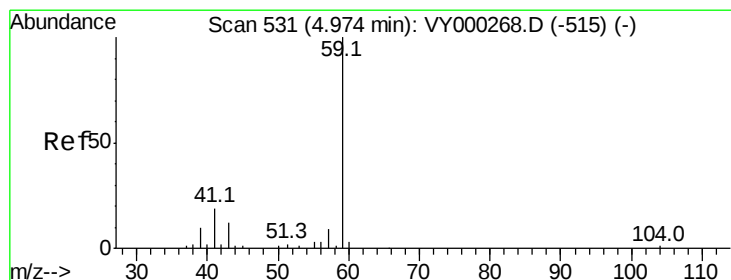
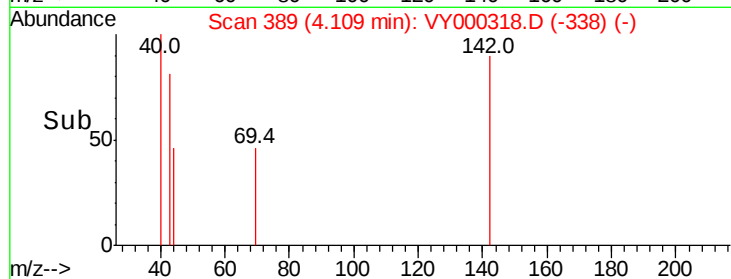
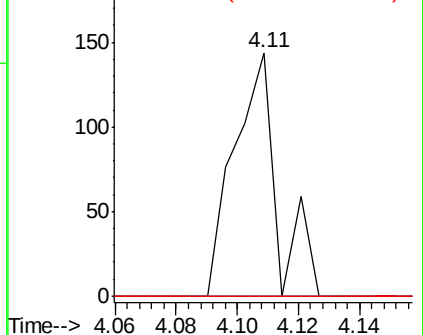
#10
Methvl Iodide
Concen: 1.217 ug/l
RT: 4.11 min Scan# 389
Delta R.T. 0.01 min
Lab File: VY000318.D
Acq: 15 Oct 2019 15:48

Instrument :
MSVOA_Y
ClientSampleId :
TP-22A-S2

Tot Ion:142 Resp: 139
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.2 16.8#

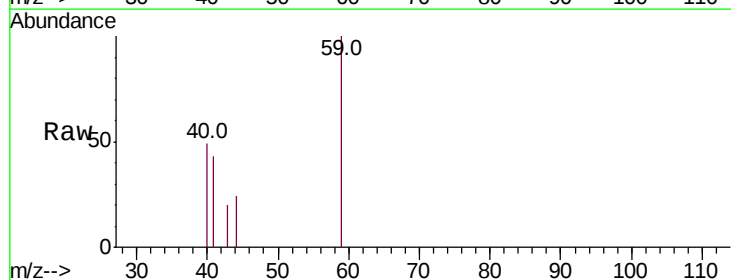


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

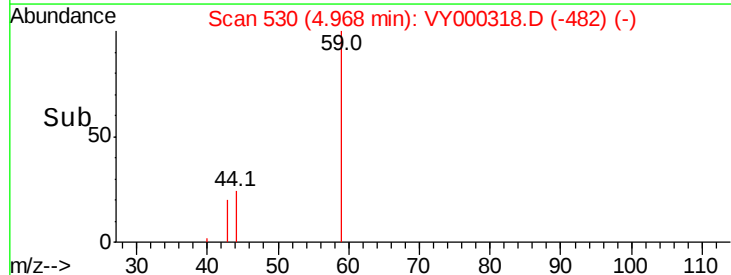
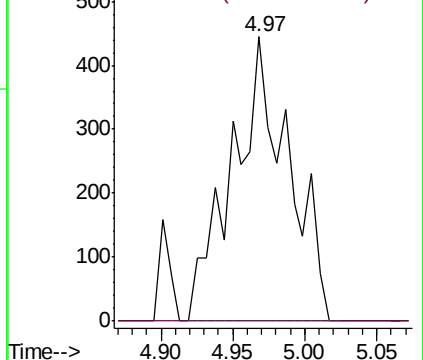


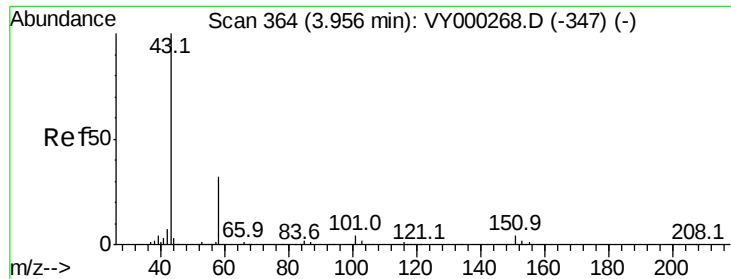
#11
Tert butyl alcohol
Concen: 3.680 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.01 min
Lab File: VY000318.D
Acq: 15 Oct 2019 15:48

Tgt Ion: 59 Resp: 1204
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



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





#16

Acetone

Concen: 11.864 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000318.D

Acq: 15 Oct 2019 15:48

Instrument :

MSVOA_Y

ClientSampleId :

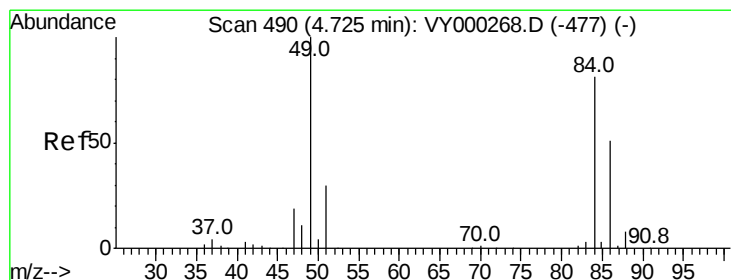
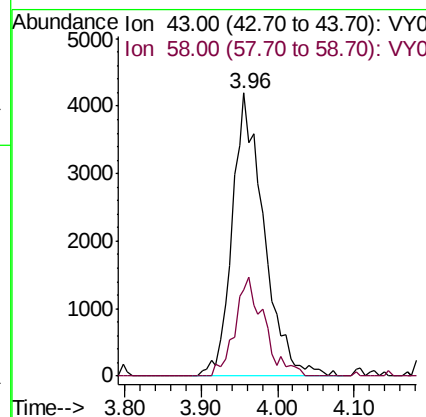
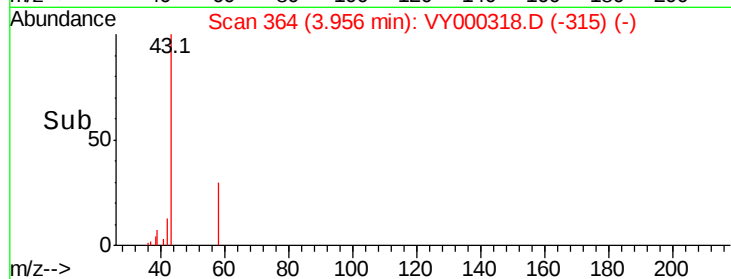
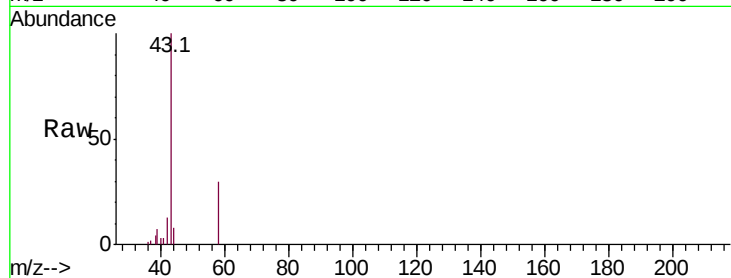
TP-22A-S2

Tot Ion: 43 Resp: 12010

Ion Ratio Lower Upper

43 100

58 30.3 25.8 38.6



#20

Methylene Chloride

Concen: Below Cal

RT: 4.71 min Scan# 488

Delta R.T. -0.01 min

Lab File: VY000318.D

Acq: 15 Oct 2019 15:48

Tgt Ion: 84 Resp: 3101

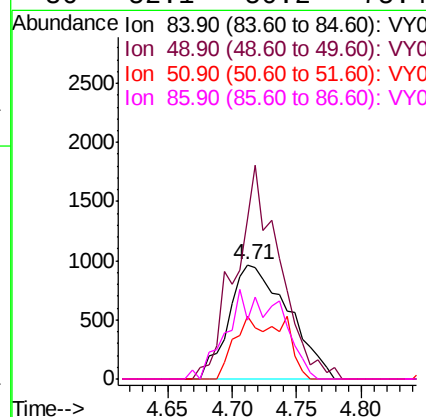
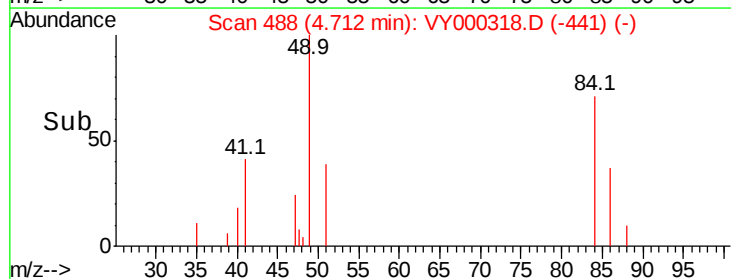
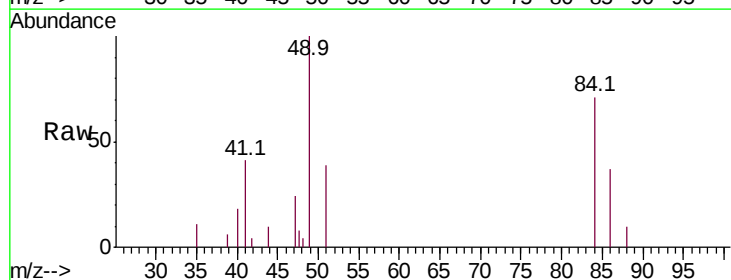
Ion Ratio Lower Upper

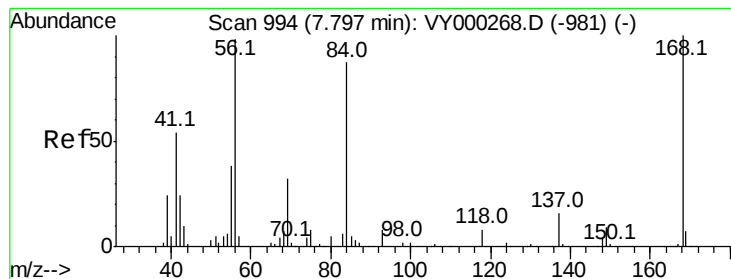
84 100

49 140.2 99.0 148.4

51 54.9 29.3 43.9#

86 52.1 50.2 75.4





#31

Cyclohexane

Concen: 1.120 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000318.D

Acq: 15 Oct 2019 15:48

Instrument :

MSVOA_Y

ClientSampleId :

TP-22A-S2

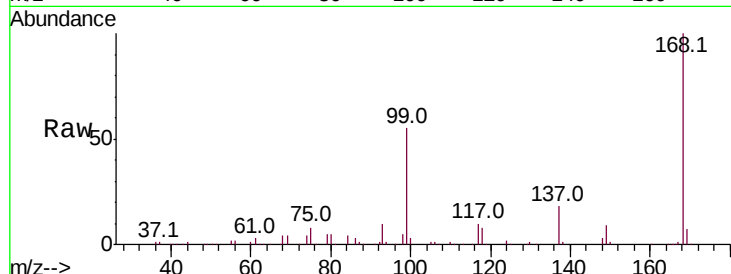
Tot Ion: 56 Resp: 6697

Ion Ratio Lower Upper

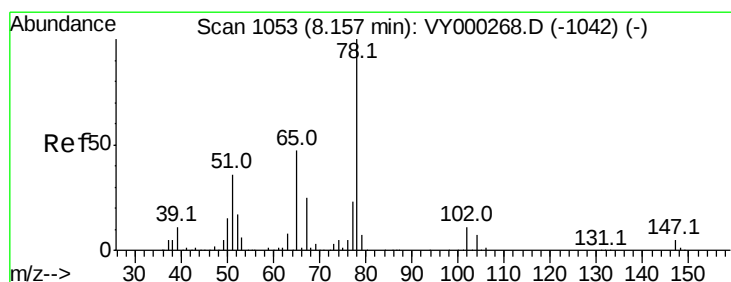
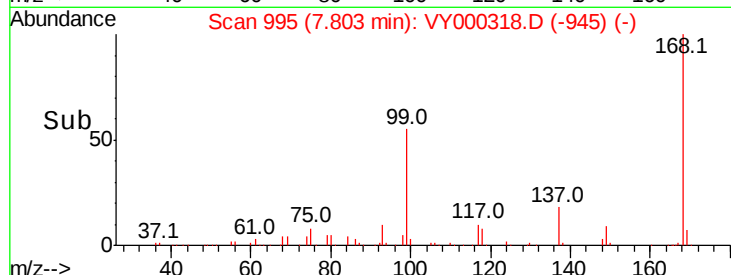
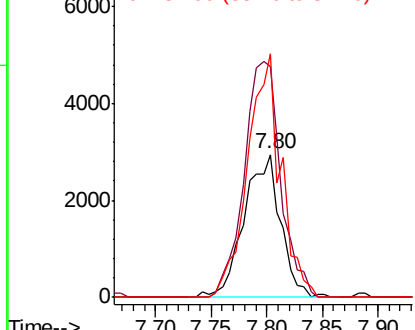
56 100

69 162.1 26.3 39.5#

84 170.5 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: 53.106 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000318.D

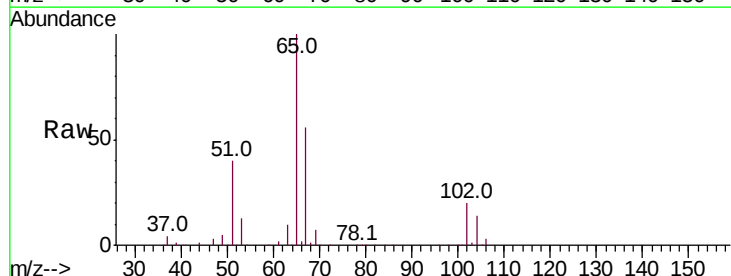
Acq: 15 Oct 2019 15:48

Tgt Ion: 65 Resp: 166009

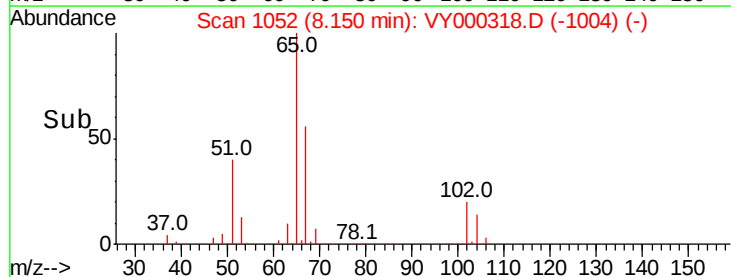
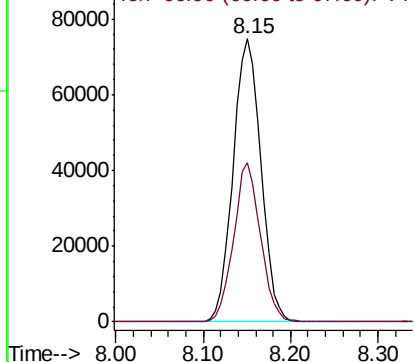
Ion Ratio Lower Upper

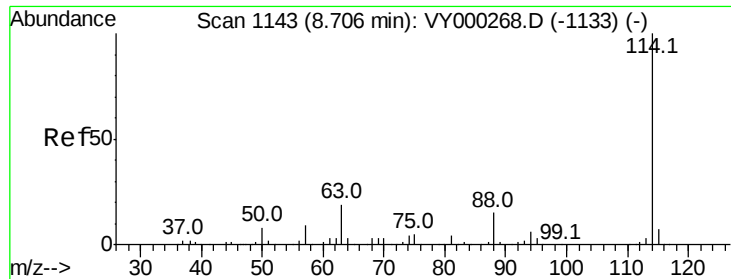
65 100

67 54.0 0.0 109.4



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

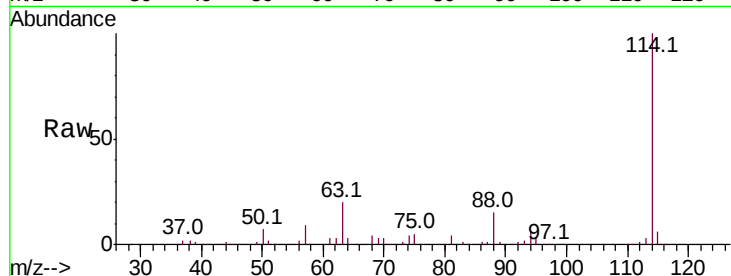




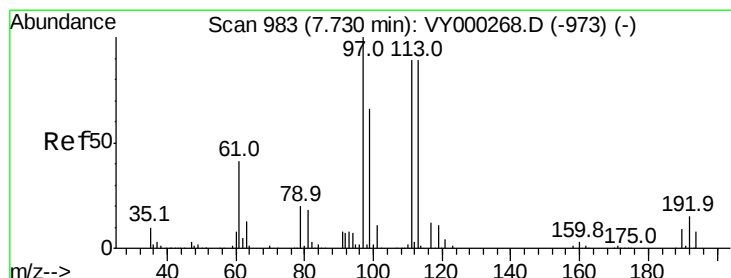
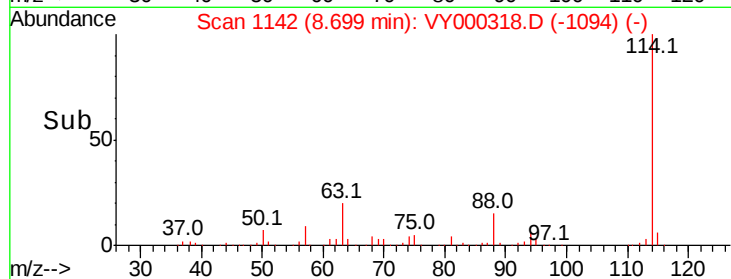
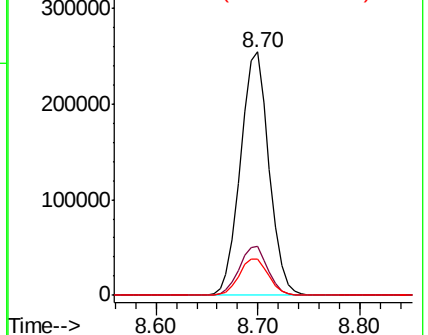
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000318.D
 Acq: 15 Oct 2019 15:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-22A-S2

Tot Ion:114 Resp: 494142
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 37.2
 88 15.1 0.0 30.2

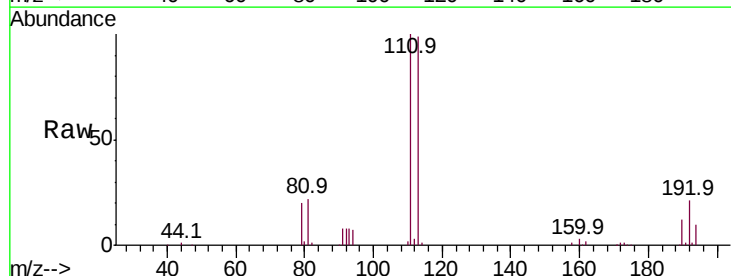


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

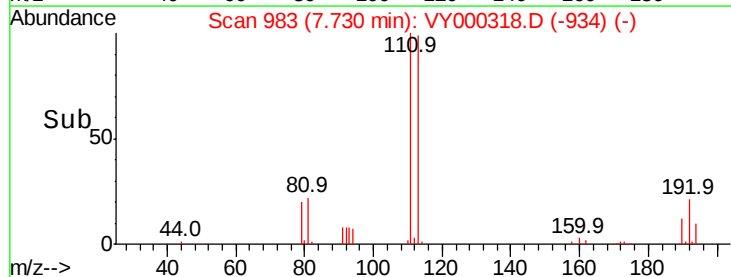
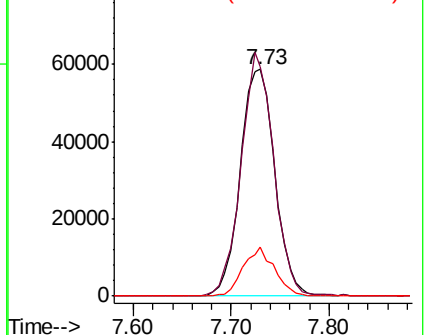


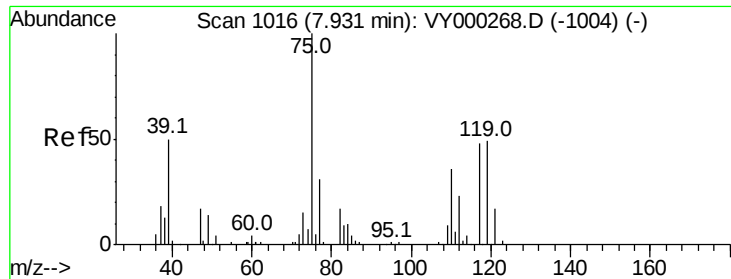
#35
 Dibromofluoromethane
 Concen: 48.375 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000318.D
 Acq: 15 Oct 2019 15:48

Tgt Ion:113 Resp: 144193
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.6 122.4
 192 19.3 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

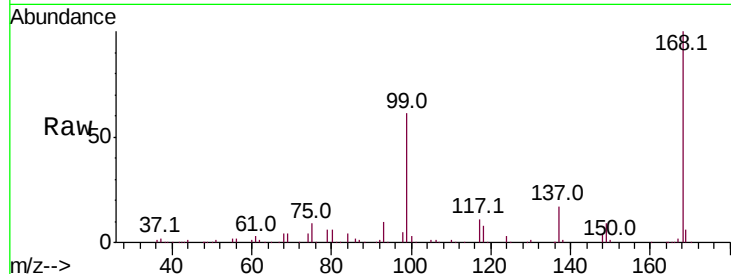




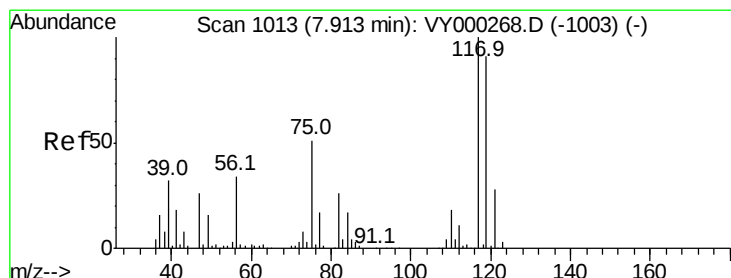
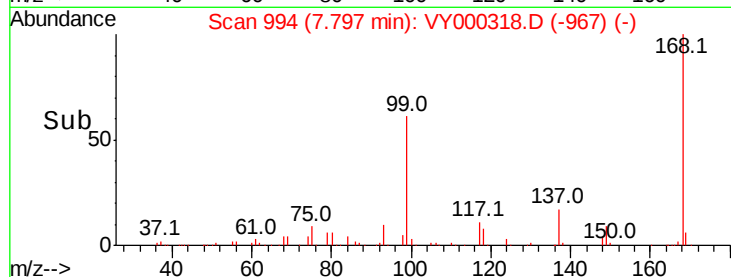
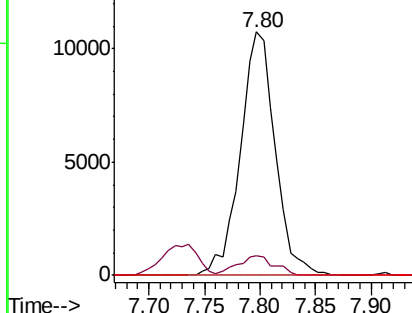
#36
 1,1-Dichloropropene
 Concen: 4.832 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000318.D
 Acq: 15 Oct 2019 15:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-22A-S2

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.4	55.4#
77	0.0	25.0	37.6#

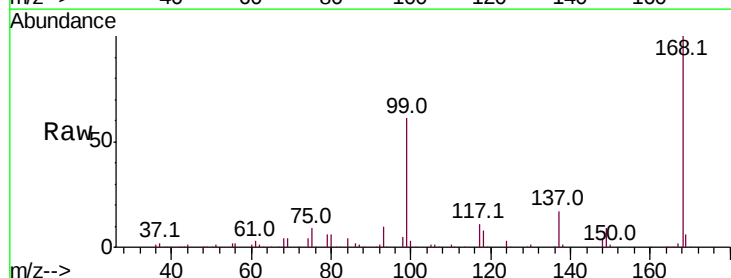


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

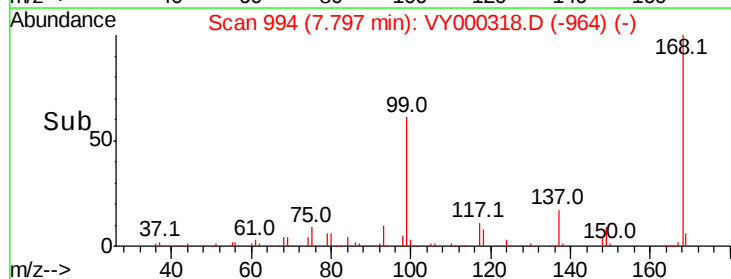
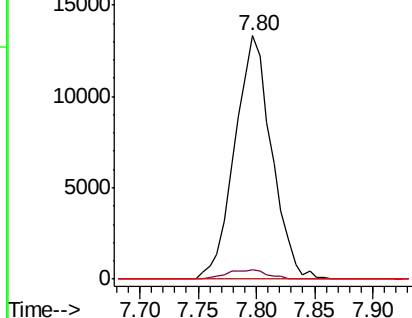


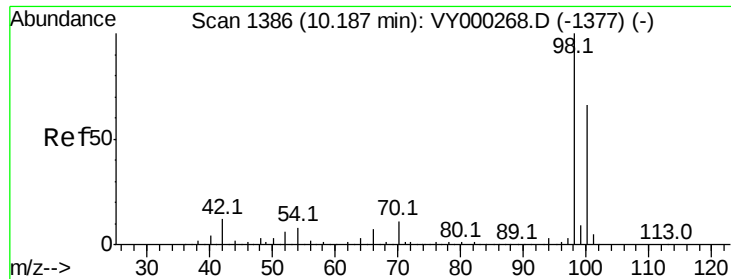
#38
 Carbon Tetrachloride
 Concen: 6.267 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000318.D
 Acq: 15 Oct 2019 15:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	72.8	109.2#
121	0.0	22.2	33.2#



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

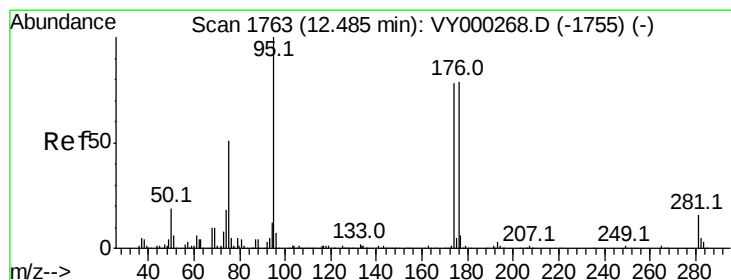
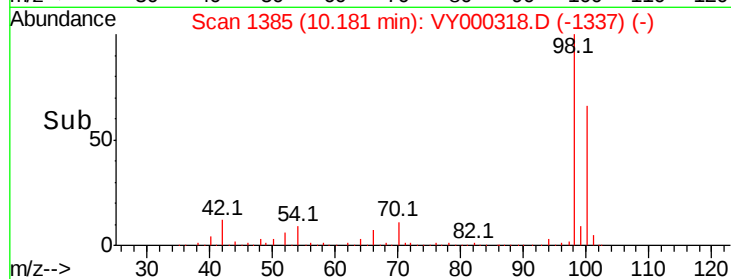
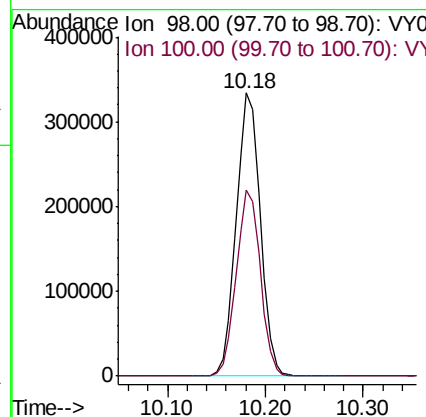
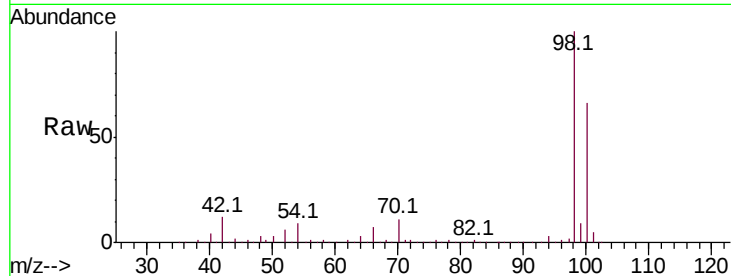




#50
Toluene-d8
Concen: 49.873 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000318.D
Acq: 15 Oct 2019 15:48

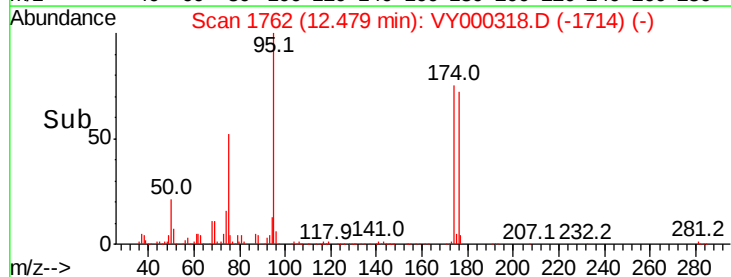
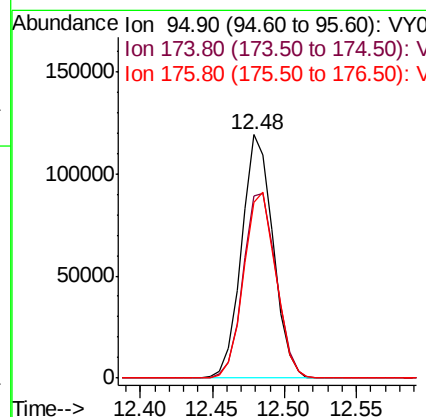
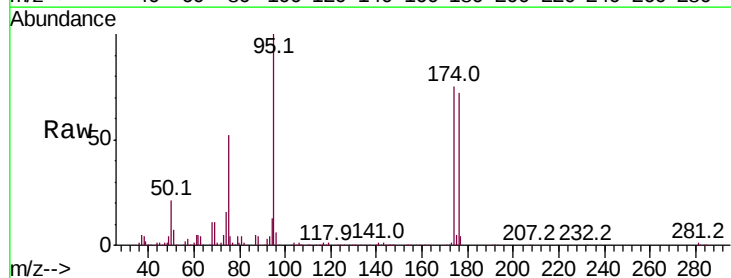
Instrument :
MSVOA_Y
ClientSampleId :
TP-22A-S2

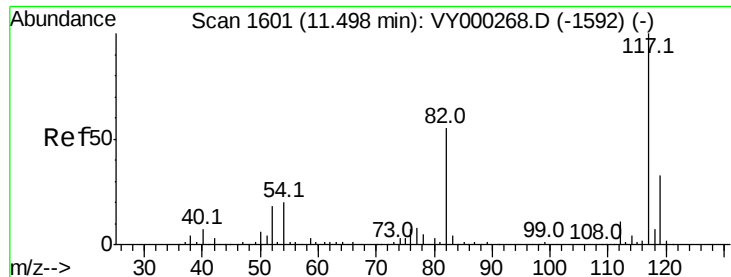
Tot Ion: 98 Resp: 571840
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 41.362 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000318.D
Acq: 15 Oct 2019 15:48

Tgt Ion: 95 Resp: 180176
Ion Ratio Lower Upper
95 100
174 79.8 0.0 159.6
176 78.0 0.0 153.8

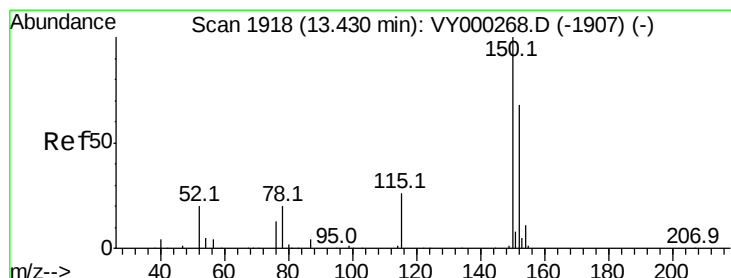
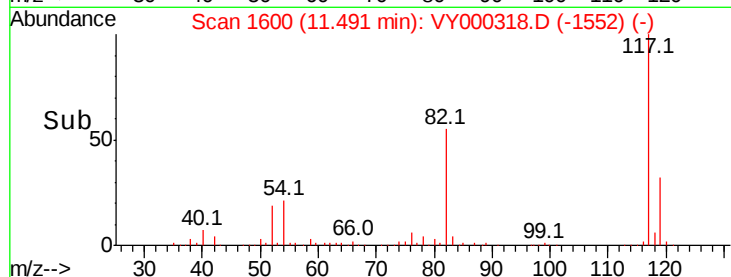
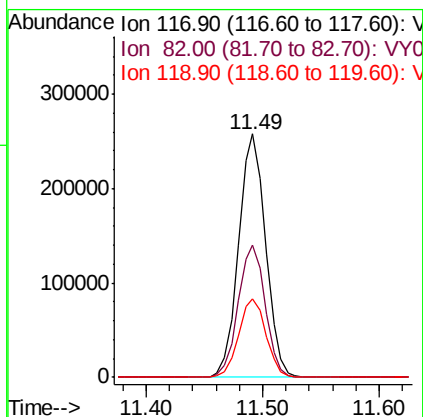
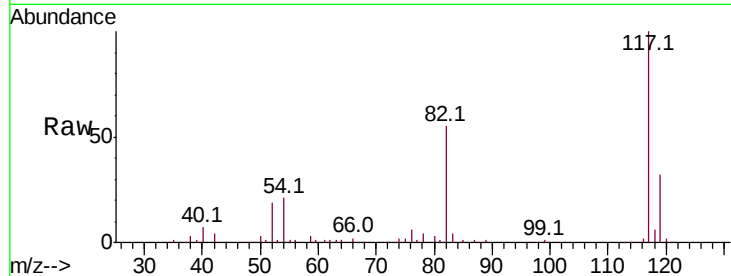




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000318.D
Acq: 15 Oct 2019 15:48

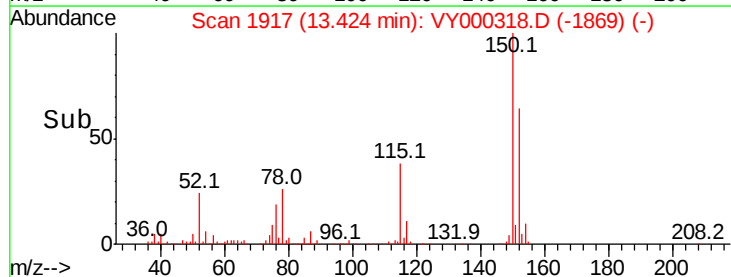
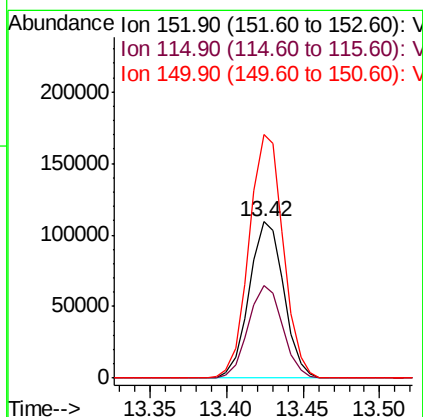
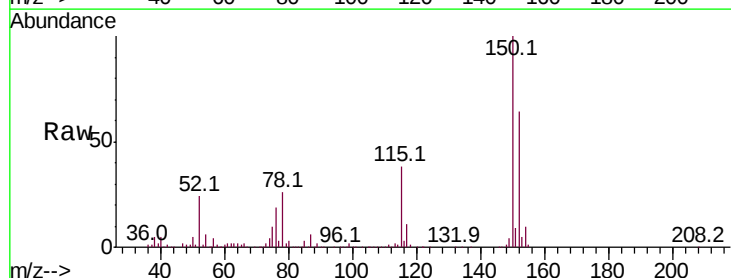
Instrument :
MSVOA_Y
ClientSampleId :
TP-22A-S2

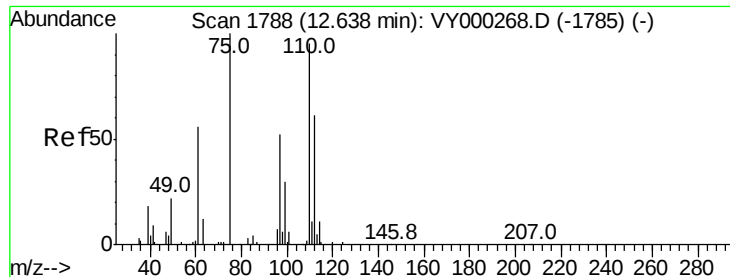
Tot Ion:117 Resp: 417317
Ion Ratio Lower Upper
117 100
82 54.6 43.7 65.5
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000318.D
Acq: 15 Oct 2019 15:48

Tgt Ion:152 Resp: 171515
Ion Ratio Lower Upper
152 100
115 59.5 29.3 88.0
150 154.5 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 44.492 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000318.D

Acq: 15 Oct 2019 15:48

Instrument :

MSVOA_Y

ClientSampled :

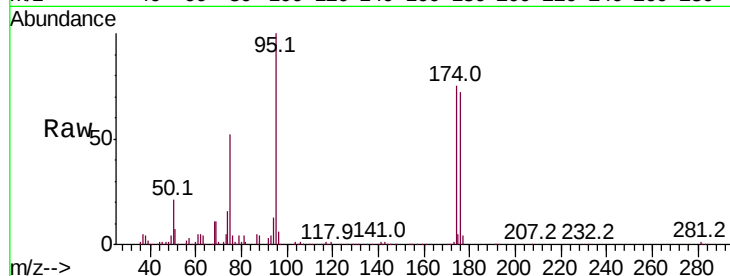
TP-22A-S2

Tot Ion: 75 Resp: 93835

Ion Ratio Lower Upper

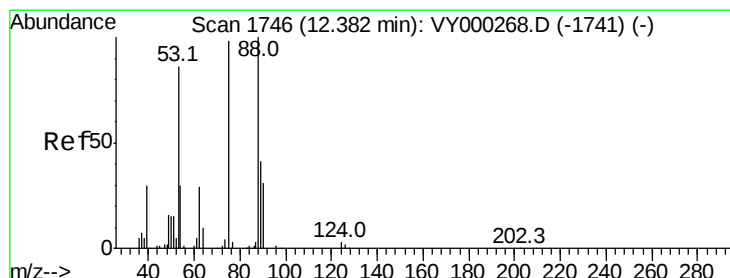
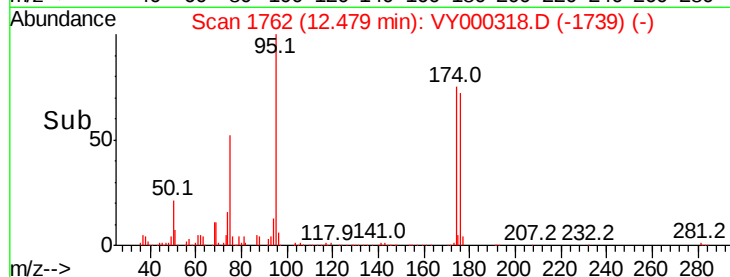
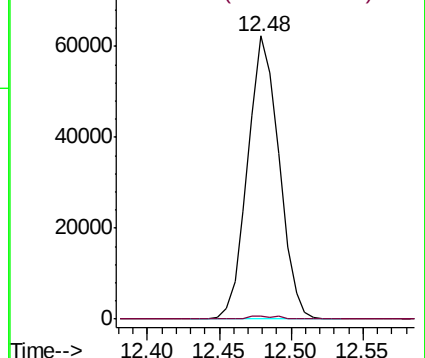
75 100

77 1.2 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: 97.346 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000318.D

Acq: 15 Oct 2019 15:48

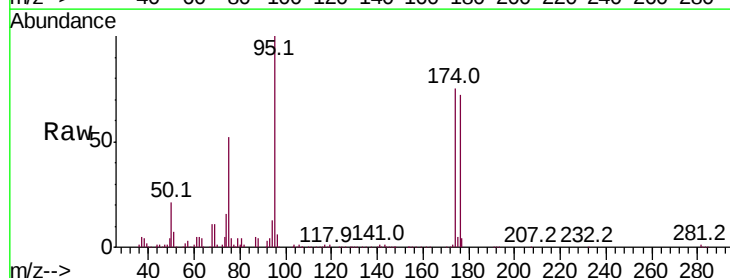
Tgt Ion: 75 Resp: 93835

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

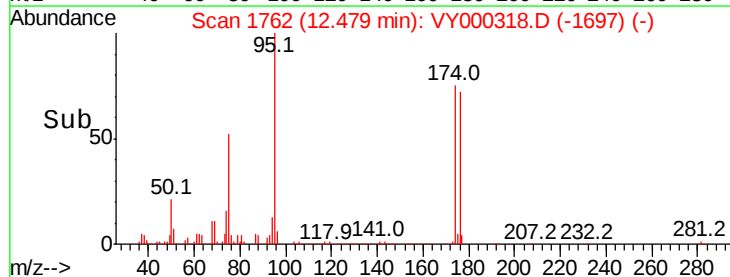
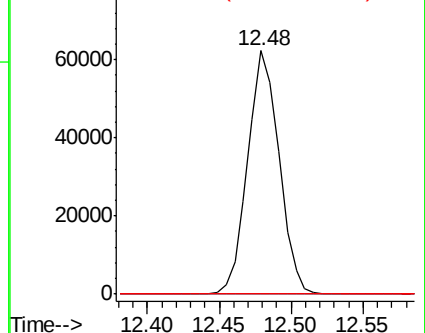
89 0.0 35.1 52.7#

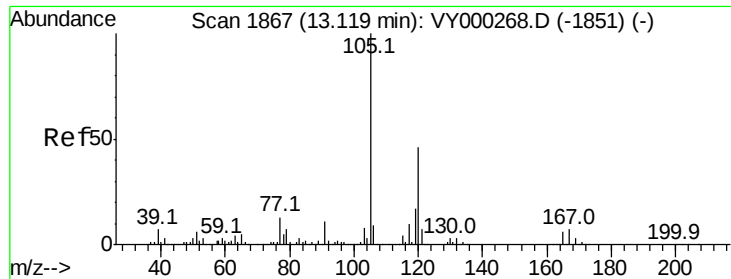


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#84

1,2,4-Trimethylbenzene

Concen: 1.479 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY000318.D

Acq: 15 Oct 2019 15:48

Instrument :

MSVOA_Y

ClientSampleId :

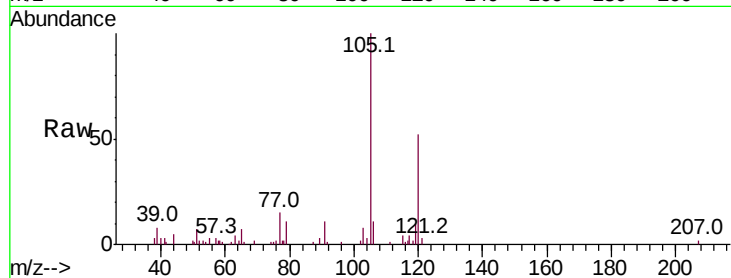
TP-22A-S2

Tot Ion:105 Resp: 16371

Ion Ratio Lower Upper

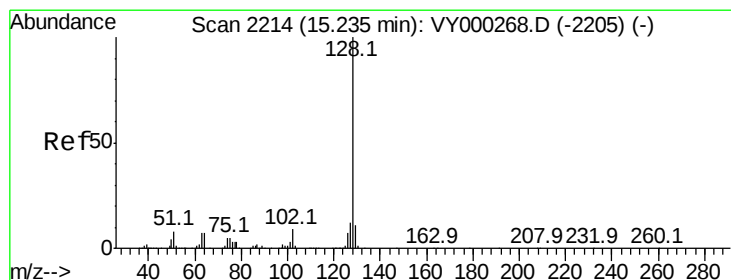
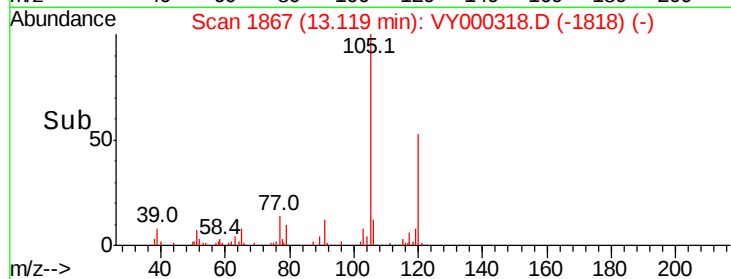
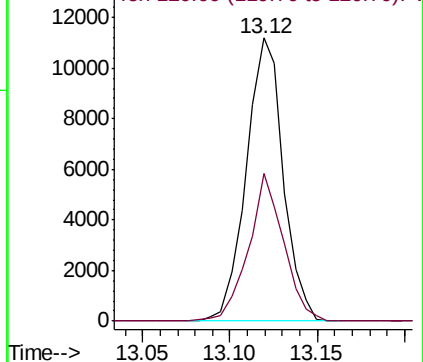
105 100

120 49.6 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 1.503 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000318.D

Acq: 15 Oct 2019 15:48

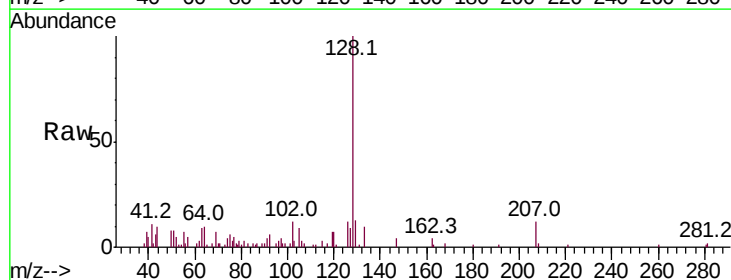
Tgt Ion:128 Resp: 12391

Ion Ratio Lower Upper

128 100

127 16.8 9.6 14.4#

129 15.8 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

