

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY102219\
 Data File : VY000362.D
 Acq On : 22 Oct 2019 14:05
 Operator : SY/MD
 Sample : K5146-08
 Misc : 6.07G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-02-101819

Quant Time: Oct 23 08:02:13 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	259958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	439627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	376763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	162168	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	143446	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
35) Dibromofluoromethane	7.73	113	126585	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
50) Toluene-d8	10.19	98	500720	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.49	95	164116	42.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.70%	

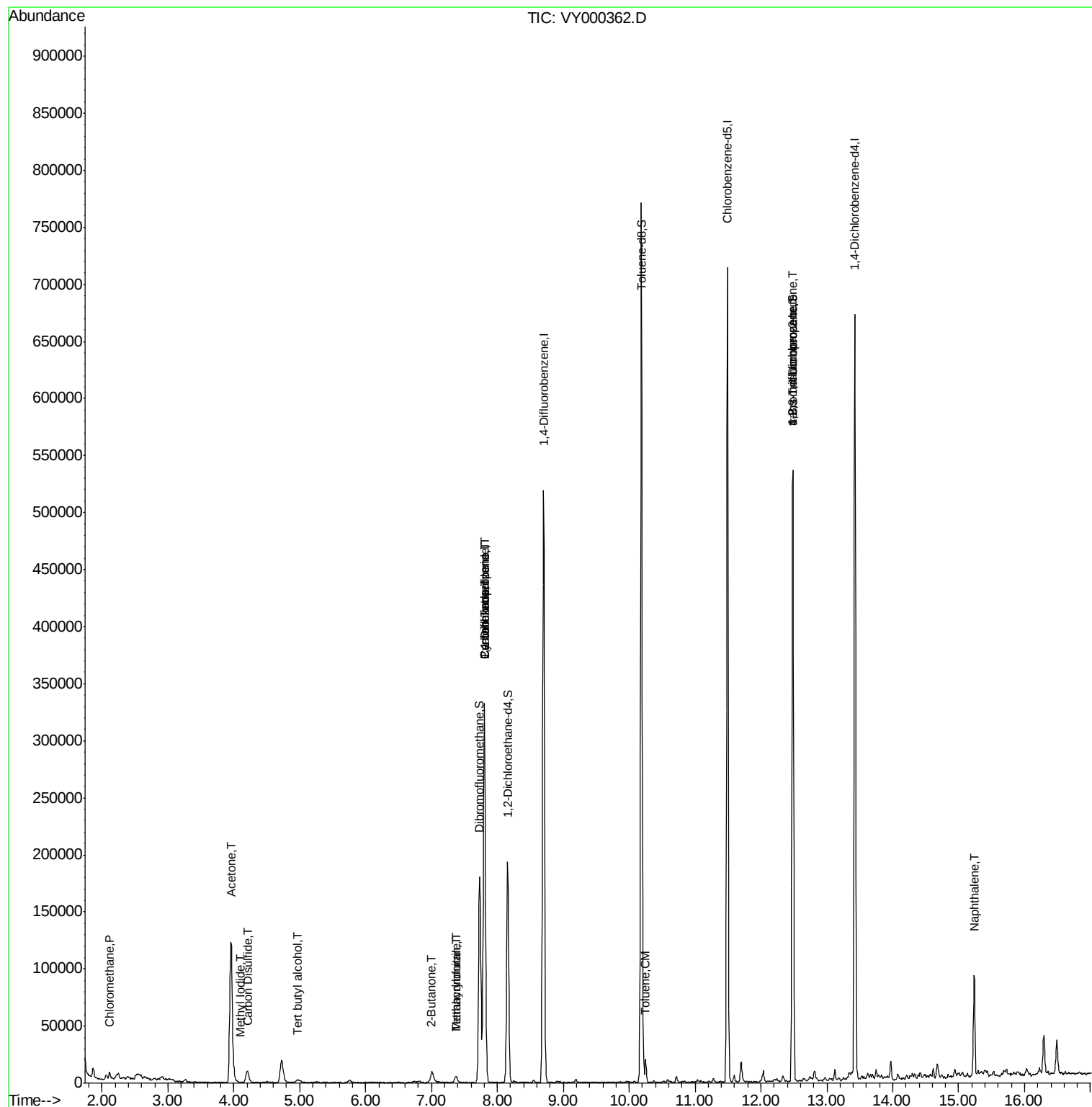
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	83	Below Cal	#	41
3) Chloromethane	2.11	50	5504	1.733	ug/l #	87
10) Methyl Iodide	4.10	142	148	1.224	ug/l #	61
11) Tert butyl alcohol	4.97	59	5520	19.236	ug/l #	86
16) Acetone	3.96	43	211358	238.009	ug/l	100
17) Carbon Disulfide	4.21	76	17620	2.131	ug/l	96
20) Methylene Chloride	4.72	84	15012	Below Cal		86
25) 2-Butanone	7.00	43	2114	1.690	ug/l #	61
29) Tetrahydrofuran	7.37	42	4889	6.449	ug/l	94
31) Cyclohexane	7.80	56	6460	1.231	ug/l #	12
36) 1,1-Dichloropropene	7.80	75	20479	4.758	ug/l #	51
38) Carbon Tetrachloride	7.80	117	25343	6.081	ug/l #	18
41) Methacrylonitrile	7.36	41	1474	1.215	ug/l #	29
52) Toluene	10.25	92	8105	1.026	ug/l	91
76) 1,2,3-Trichloropropane	12.48	75	86597	43.426	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	86597	95.015	ug/l #	14
95) Naphthalene	15.23	128	69680	8.939	ug/l	98

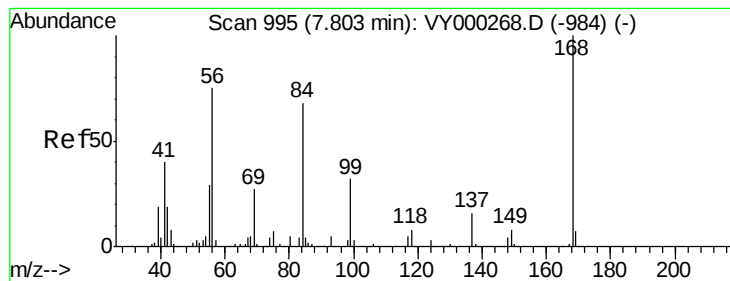
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000362.D

Acq: 22 Oct 2019 14:05

Instrument :

MSVOA_Y

ClientSampleId :

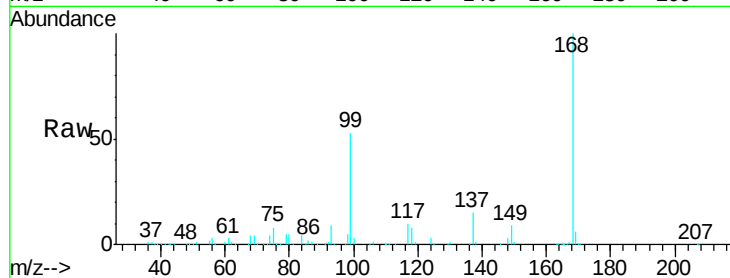
CL-02-101819

Tgt Ion: 168 Resp: 259958

Ion Ratio Lower Upper

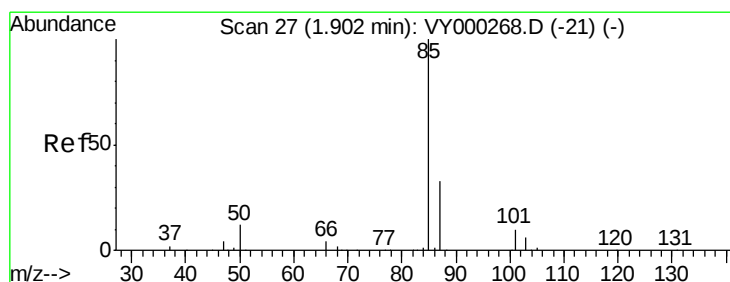
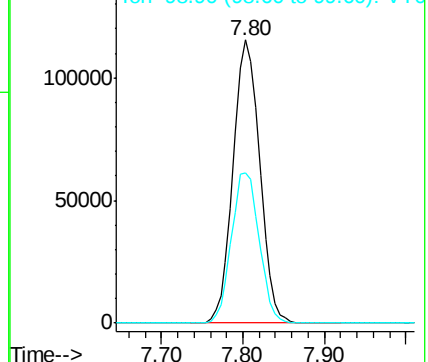
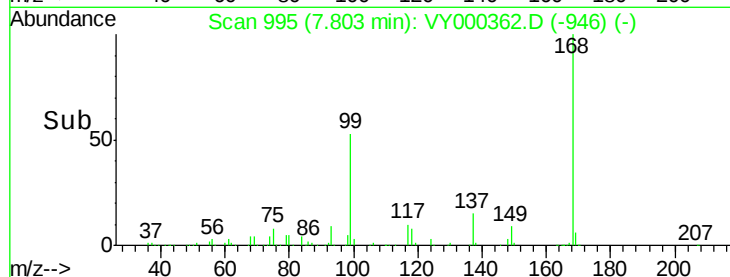
168 100

99 52.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000362.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000362.D (-946) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000362.D

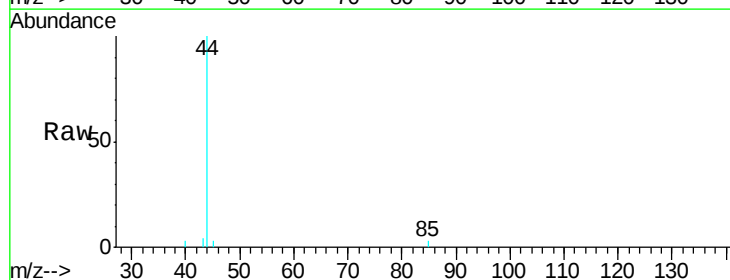
Acq: 22 Oct 2019 14:05

Tgt Ion: 85 Resp: 83

Ion Ratio Lower Upper

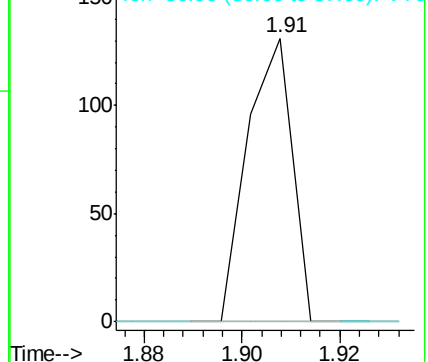
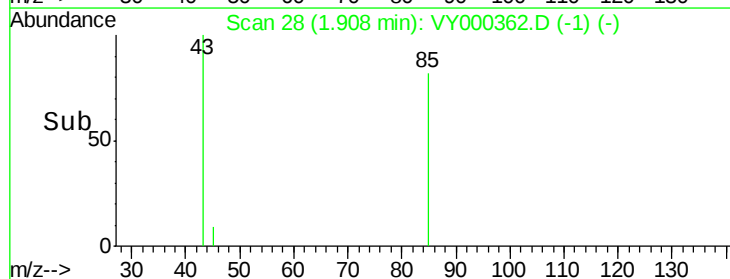
85 100

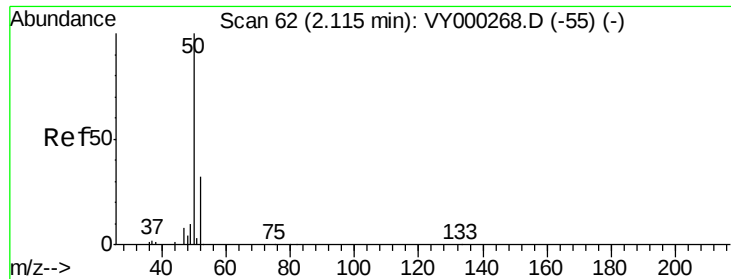
87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000362.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000362.D (-1) (-)





#3

Chloromethane

Concen: 1.733 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000362.D

Acq: 22 Oct 2019 14:05

Instrument :

MSVOA_Y

ClientSampleId :

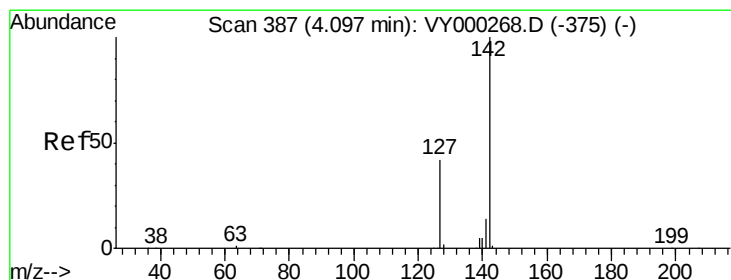
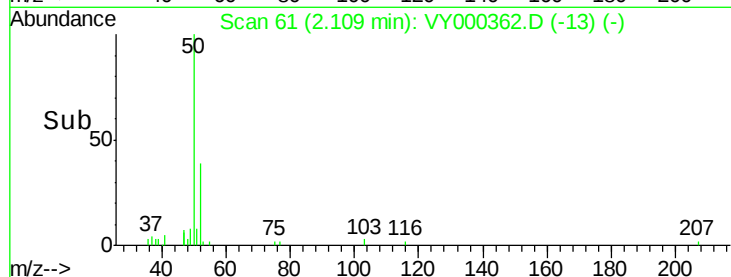
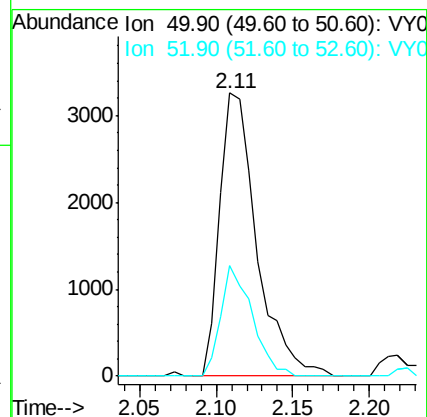
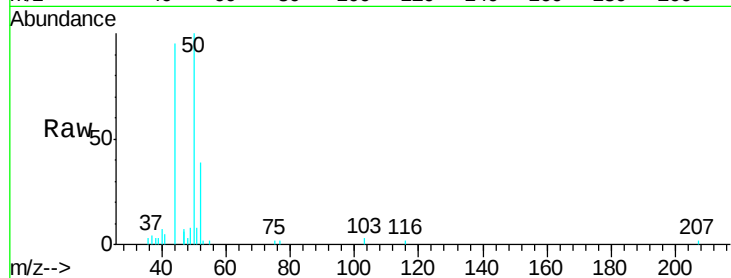
CL-02-101819

Tgt Ion: 50 Resp: 5504

Ion Ratio Lower Upper

50 100

52 38.9 25.3 37.9#



#10

Methyl Iodide

Concen: 1.224 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000362.D

Acq: 22 Oct 2019 14:05

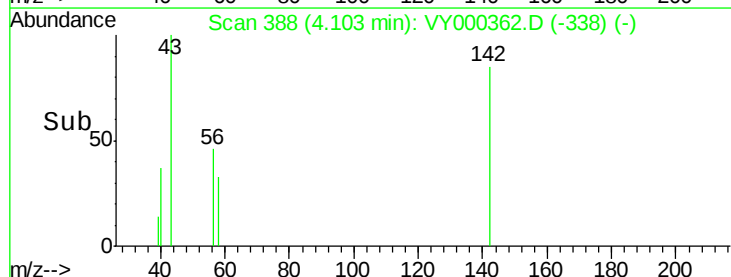
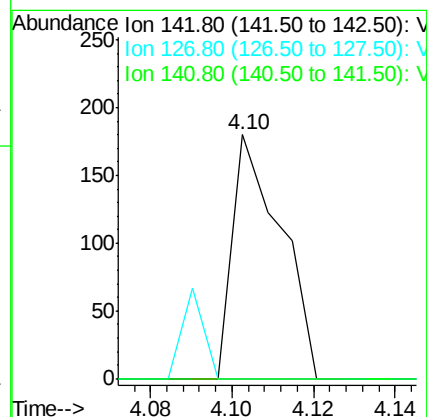
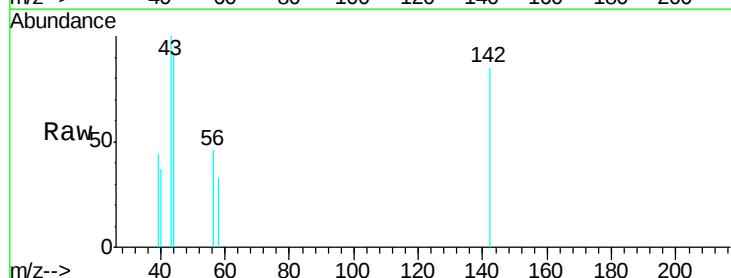
Tgt Ion: 142 Resp: 148

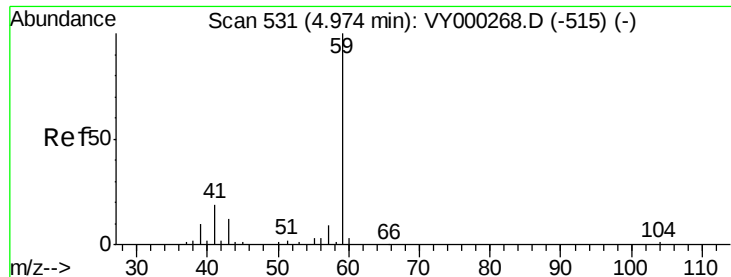
Ion Ratio Lower Upper

142 100

127 16.9 33.9 50.9#

141 0.0 11.2 16.8#



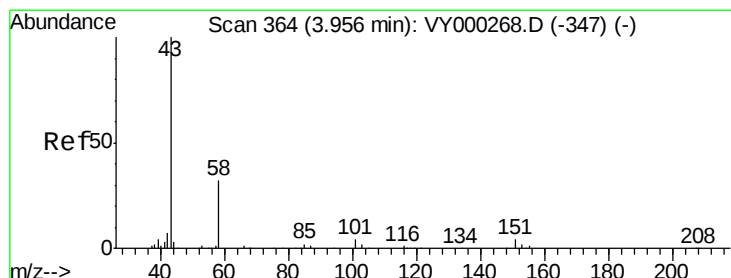
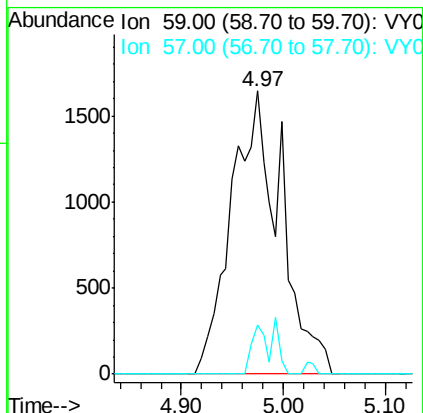
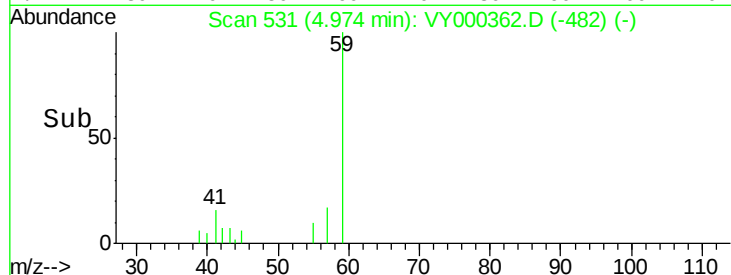
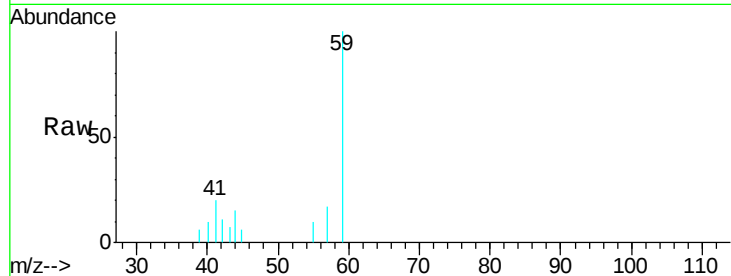


#11

Tert butyl alcohol
 Concen: 19.236 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VY000362.D
 Acq: 22 Oct 2019 14:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-02-101819

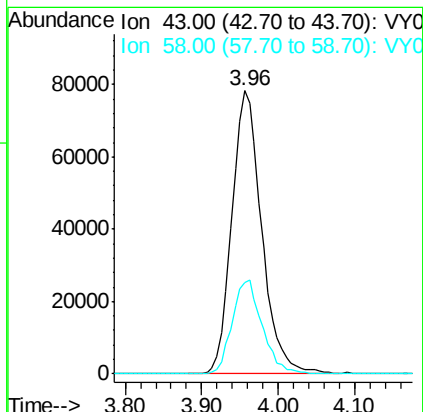
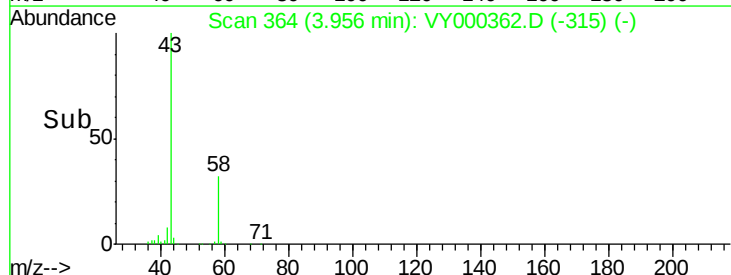
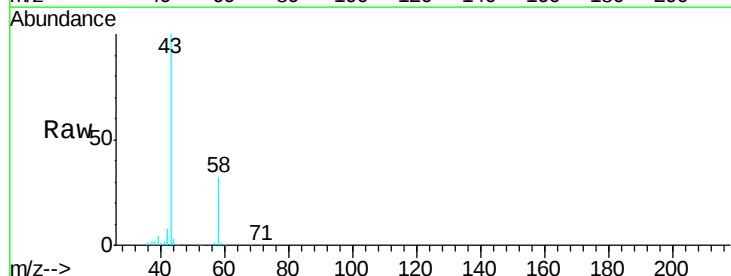
Tgt Ion: 59 Resp: 5520
 Ion Ratio Lower Upper
 59 100
 57 5.0 8.2 12.2#

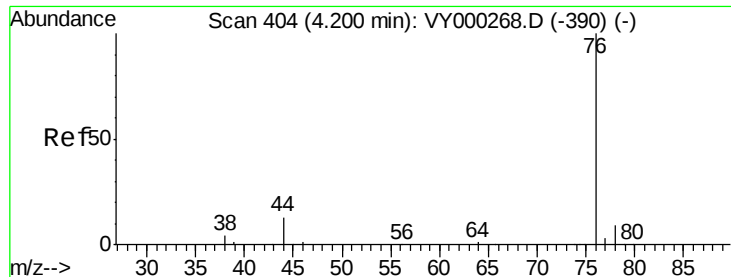


#16

Acetone
 Concen: 238.009 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VY000362.D
 Acq: 22 Oct 2019 14:05

Tgt Ion: 43 Resp: 211358
 Ion Ratio Lower Upper
 43 100
 58 32.2 25.8 38.6





#17

Carbon Disulfide

Concen: 2.131 ug/l

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY000362.D

Acq: 22 Oct 2019 14:05

Instrument :

MSVOA_Y

ClientSampleId :

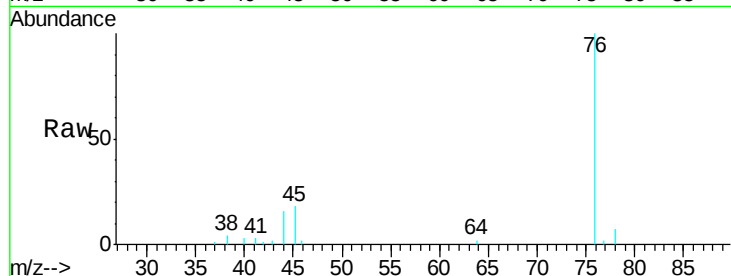
CL-02-101819

Tgt Ion: 76 Resp: 17620

Ion Ratio Lower Upper

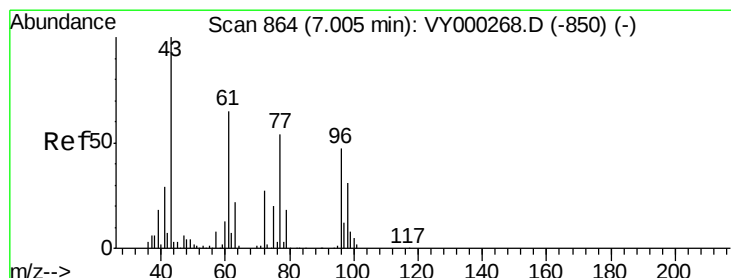
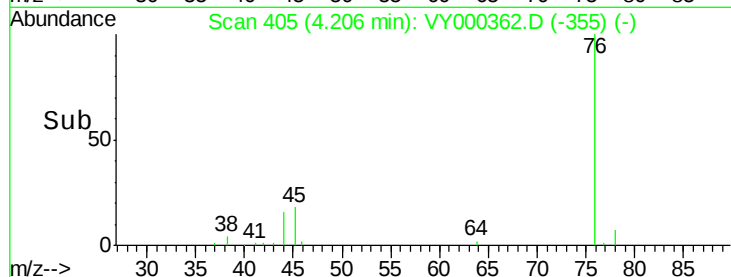
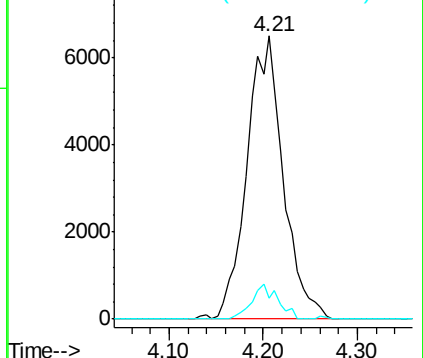
76 100

78 7.3 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#25

2-Butanone

Concen: 1.690 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY000362.D

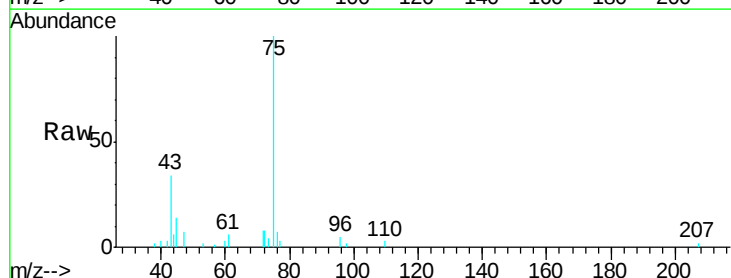
Acq: 22 Oct 2019 14:05

Tgt Ion: 43 Resp: 2114

Ion Ratio Lower Upper

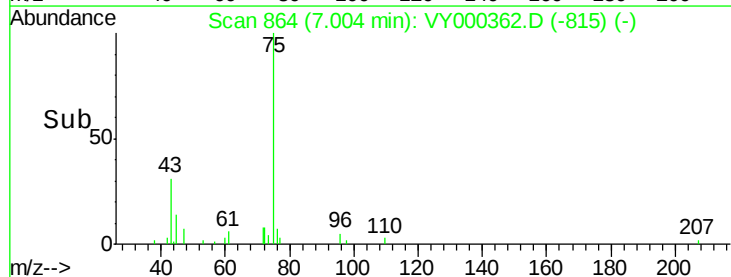
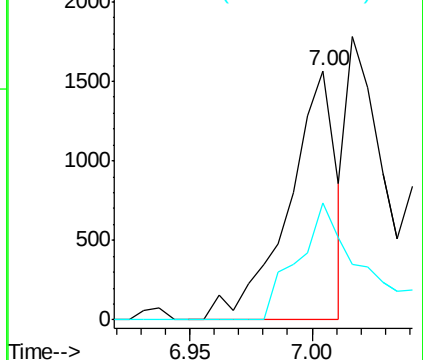
43 100

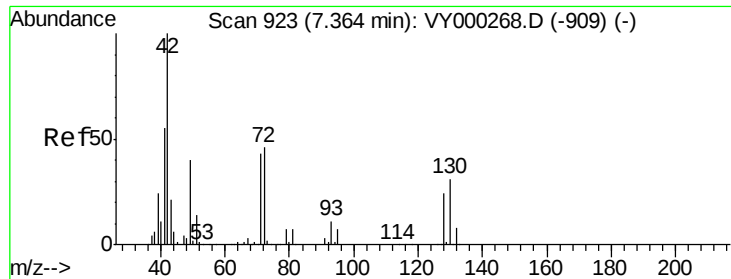
72 47.2 21.4 32.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

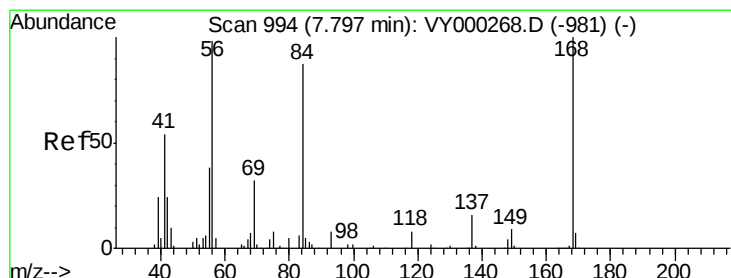
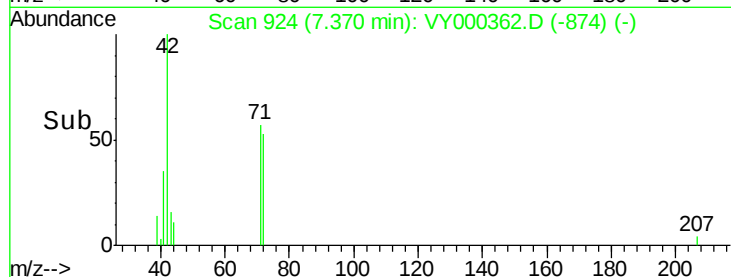
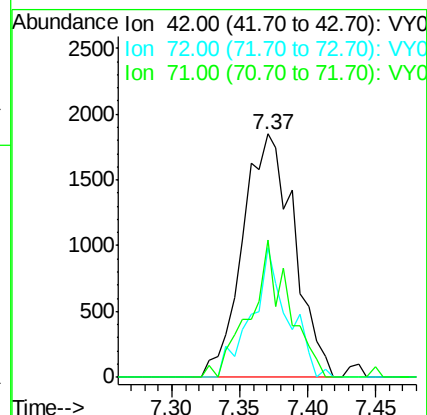
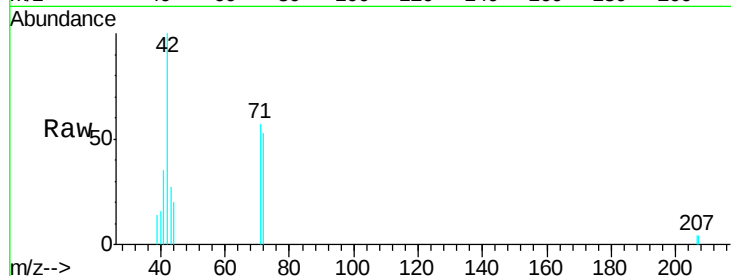




#29
Tetrahydrofuran
Concen: 6.449 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY000362.D
Acq: 22 Oct 2019 14:05

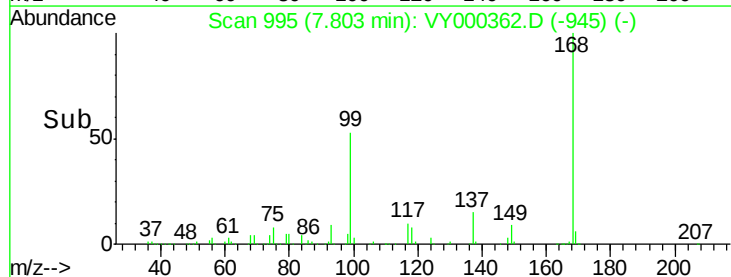
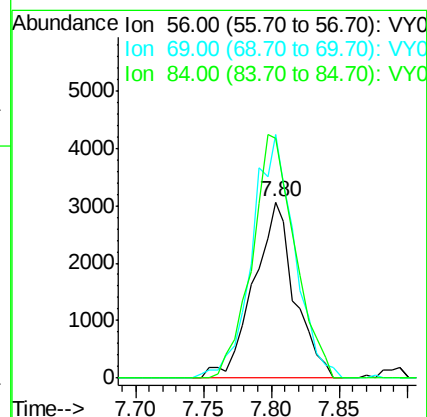
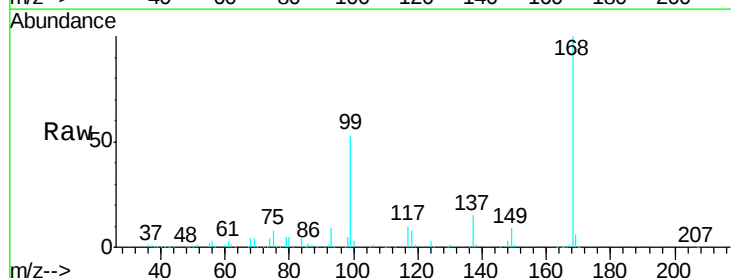
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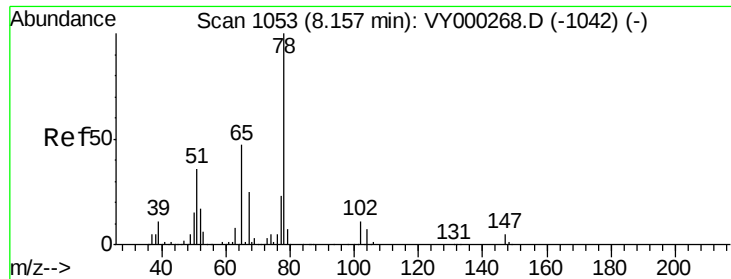
Tgt Ion: 42 Resp: 4889
Ion Ratio Lower Upper
42 100
72 37.5 34.5 51.7
71 42.3 32.7 49.1



#31
Cyclohexane
Concen: 1.231 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000362.D
Acq: 22 Oct 2019 14:05

Tgt Ion: 56 Resp: 6460
Ion Ratio Lower Upper
56 100
69 138.3 26.3 39.5#
84 136.4 70.8 106.2#

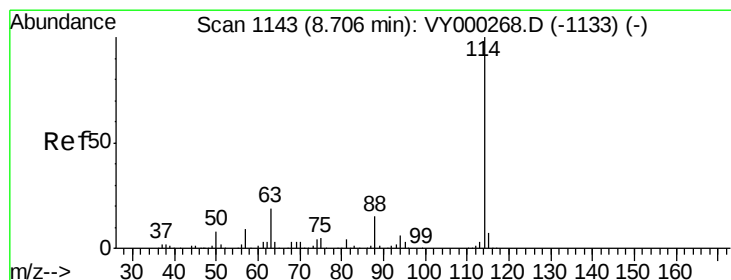
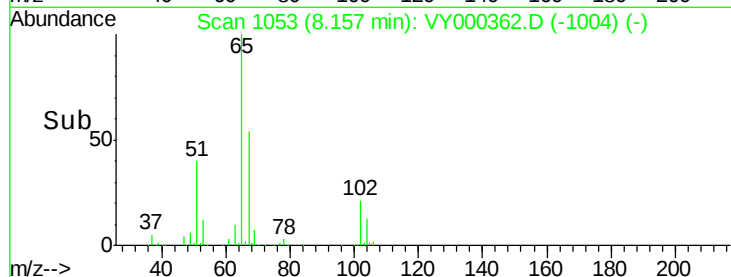
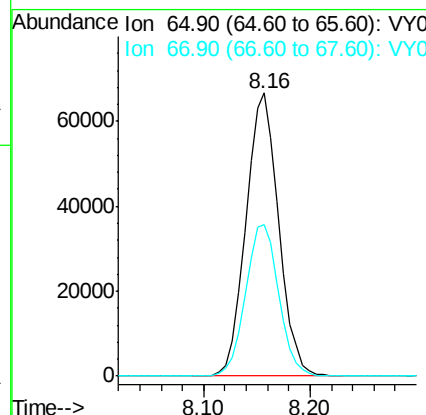
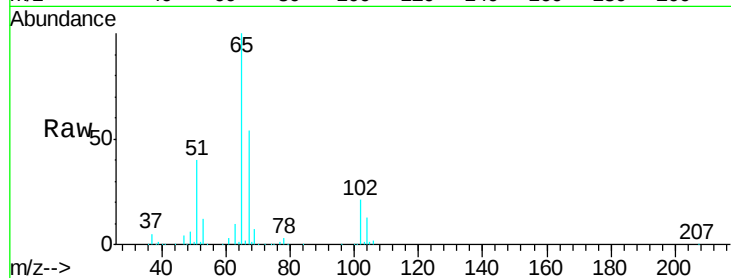




#33
 1,2-Dichloroethane-d4
 Concen: 52.312 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY000362.D
 Acq: 22 Oct 2019 14:05

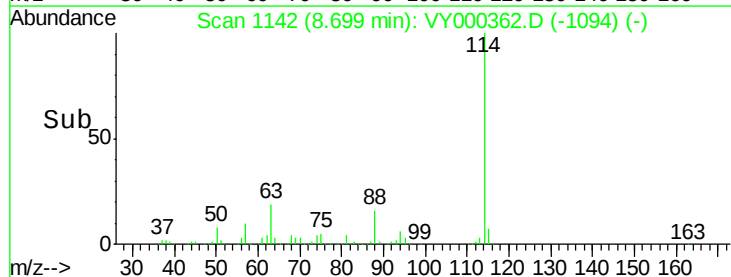
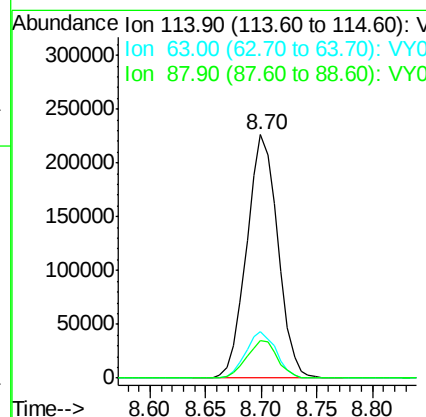
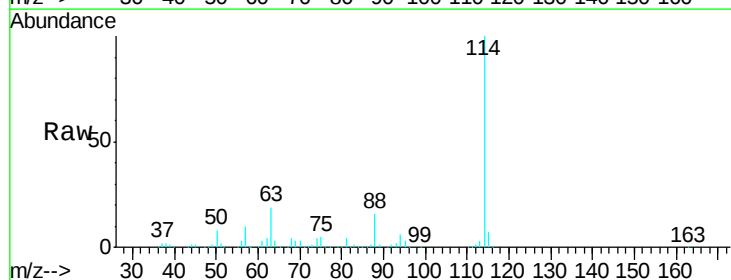
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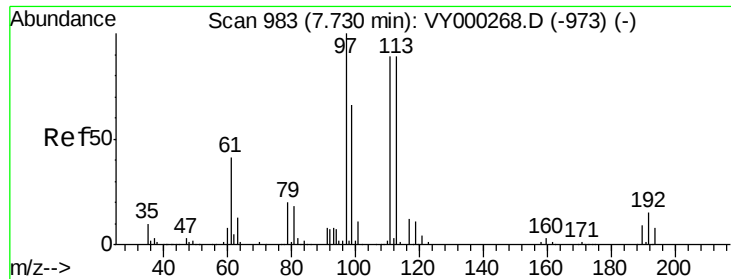
Tgt Ion: 65 Resp: 143446
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000362.D
 Acq: 22 Oct 2019 14:05

Tgt Ion: 114 Resp: 439627
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 37.2
 88 15.6 0.0 30.2

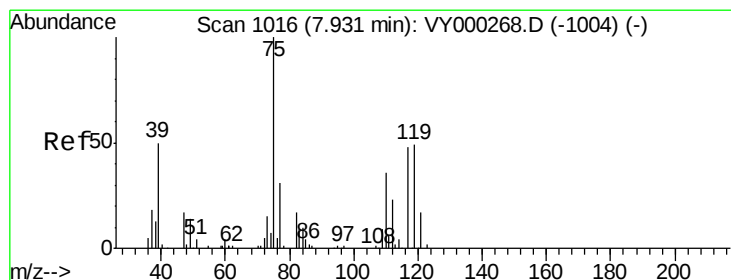
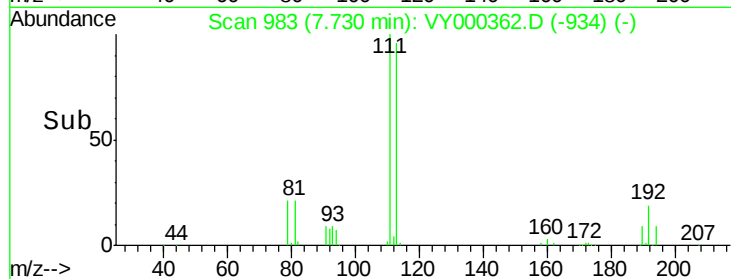
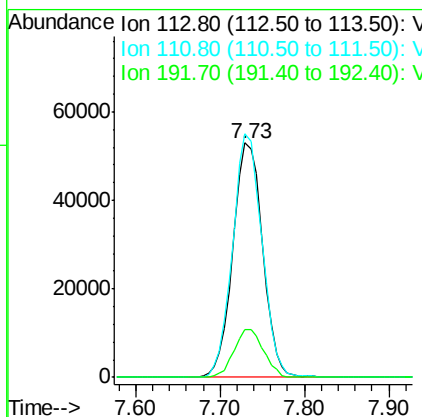
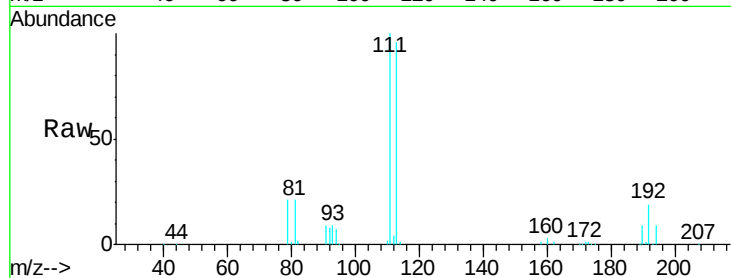




#35
 Dibromofluoromethane
 Concen: 47.734 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000362.D
 Acq: 22 Oct 2019 14:05

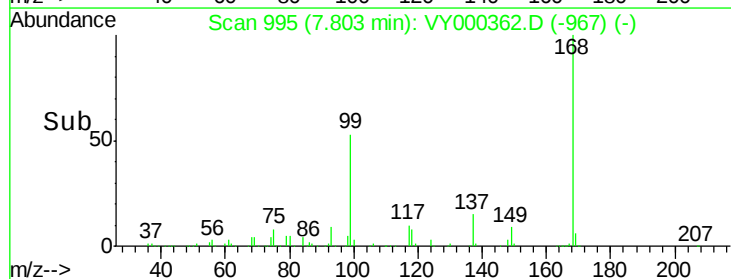
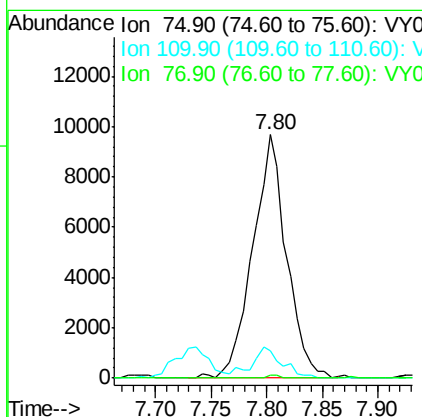
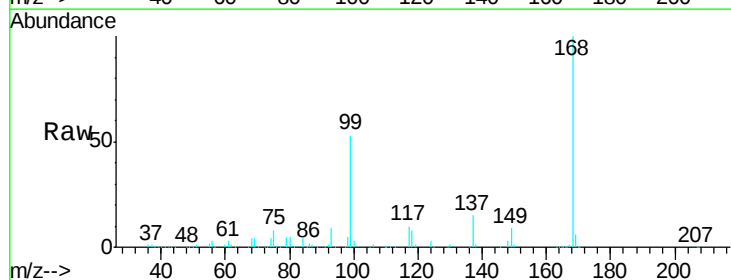
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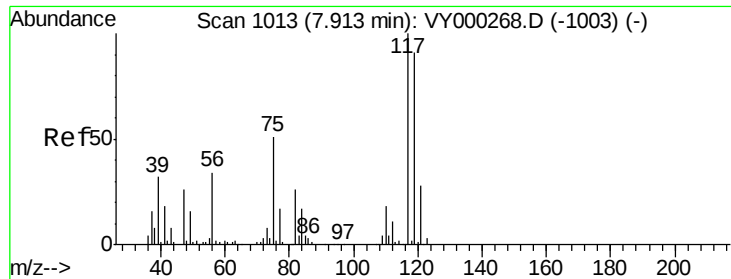
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.6	122.4
192	20.5	15.3	22.9



#36
 1,1-Dichloropropene
 Concen: 4.758 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000362.D
 Acq: 22 Oct 2019 14:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.2	18.4	55.4#
77	0.4	25.0	37.6#

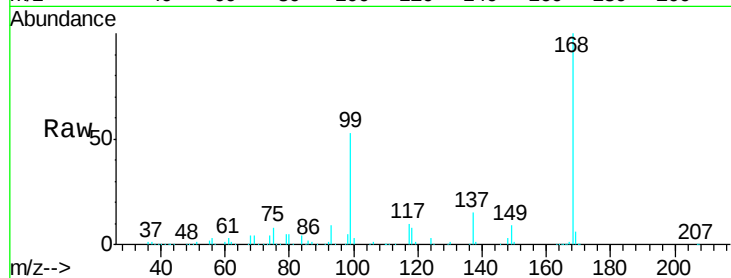




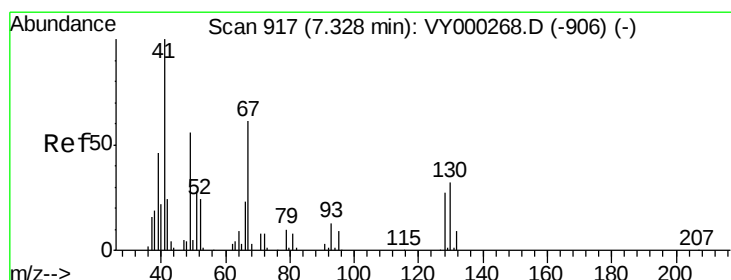
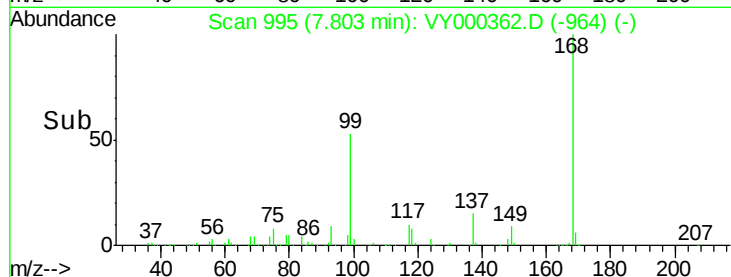
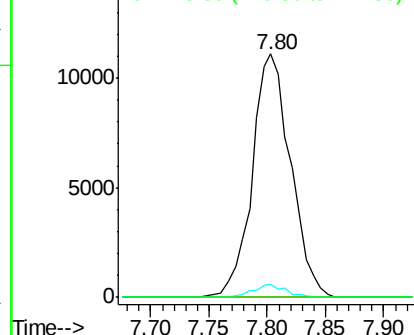
#38
Carbon Tetrachloride
Concen: 6.081 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000362.D
Acq: 22 Oct 2019 14:05

Instrument :
MSVOA_Y
ClientSampleId :
CL-02-101819

Tgt Ion:117 Resp: 25343
Ion Ratio Lower Upper
117 100
119 5.3 72.8 109.2#
121 0.0 22.2 33.2#

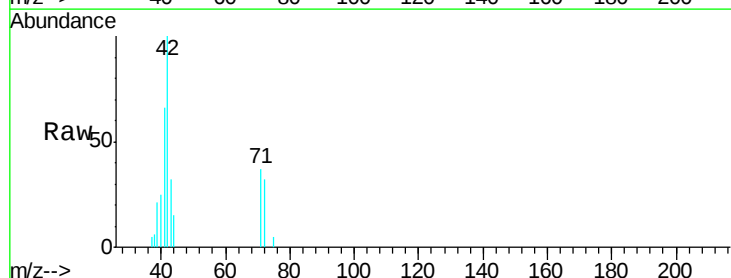


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

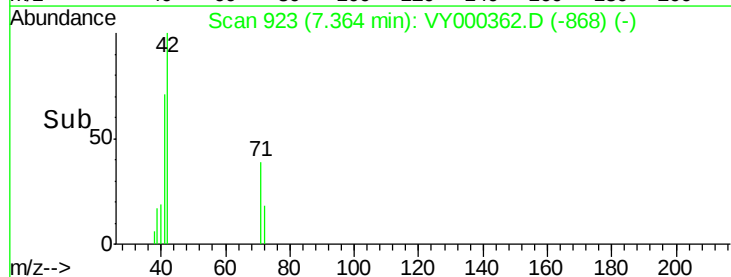
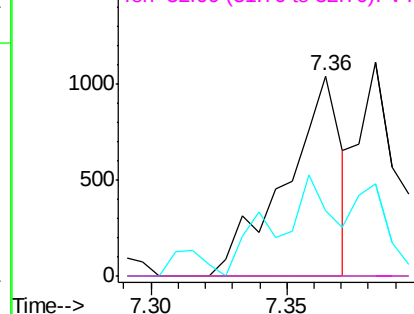


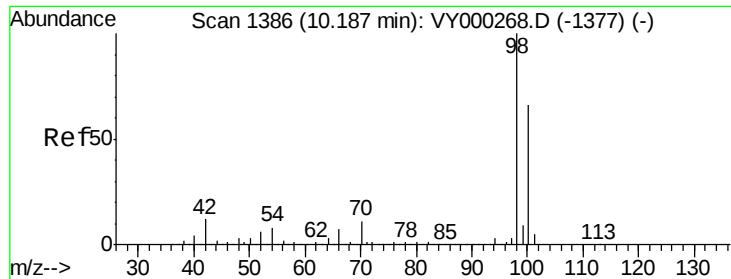
#41
Methacrylonitrile
Concen: 1.215 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.04 min
Lab File: VY000362.D
Acq: 22 Oct 2019 14:05

Tgt Ion: 41 Resp: 1474
Ion Ratio Lower Upper
41 100
39 51.8 110.2 165.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0





#50

Toluene-d8

Concen: 49.085 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY000362.D

Acq: 22 Oct 2019 14:05

Instrument :

MSVOA_Y

ClientSampleId :

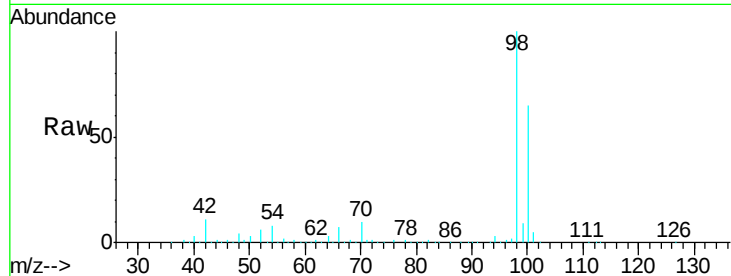
CL-02-101819

Tgt Ion: 98 Resp: 500720

Ion Ratio Lower Upper

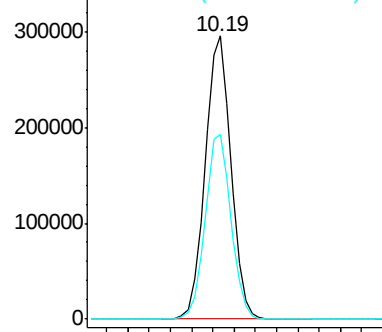
98 100

100 65.4 52.8 79.2

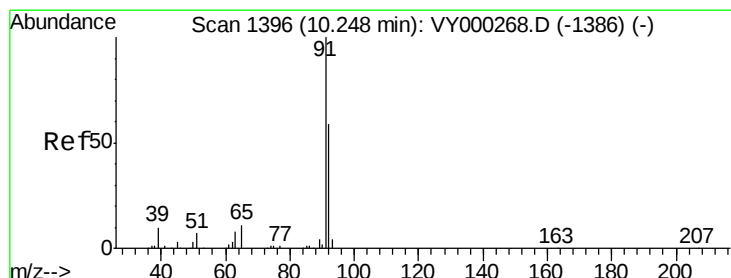
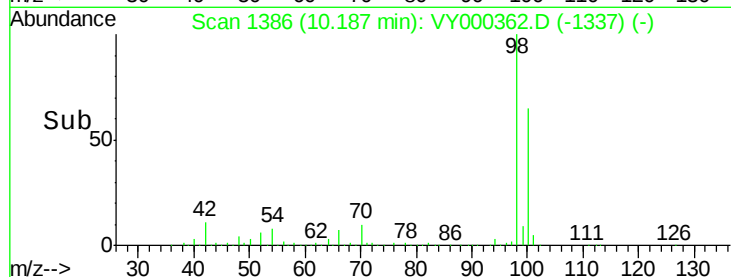


Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



Time-->



#52

Toluene

Concen: 1.026 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000362.D

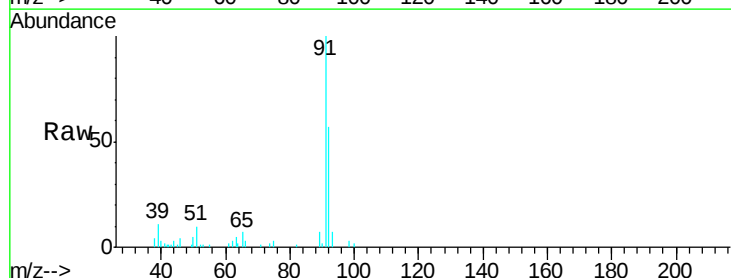
Acq: 22 Oct 2019 14:05

Tgt Ion: 92 Resp: 8105

Ion Ratio Lower Upper

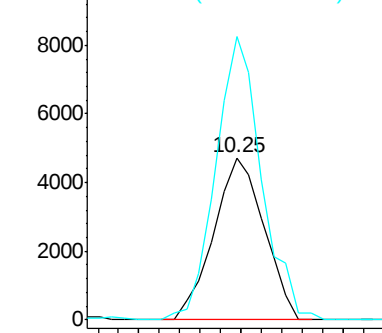
92 100

91 158.7 136.6 205.0

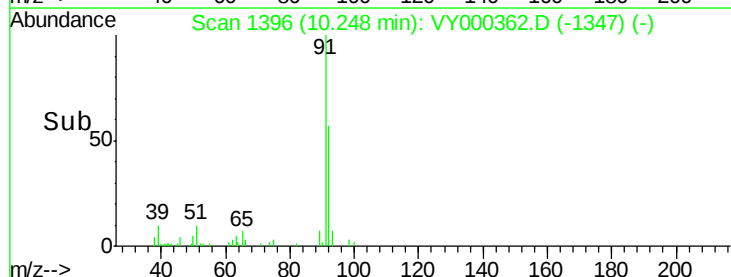


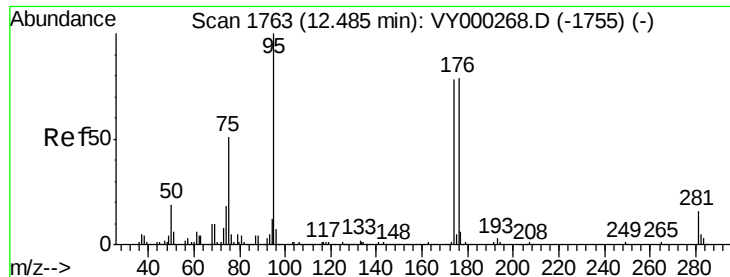
Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0



Time-->

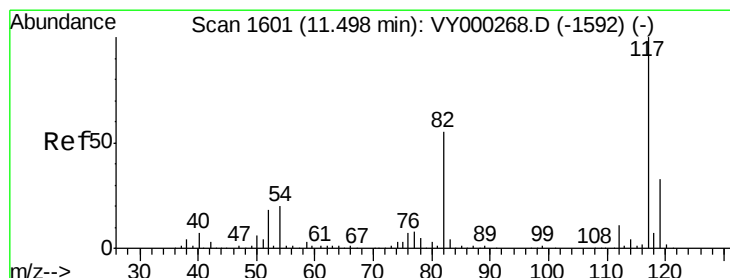
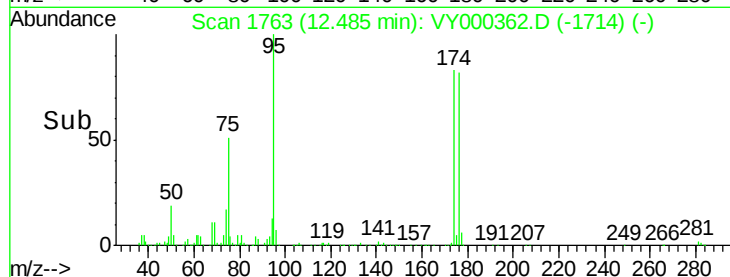
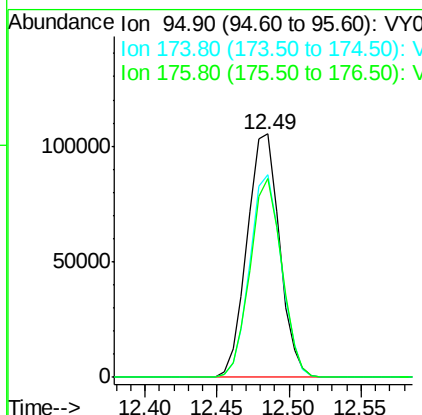
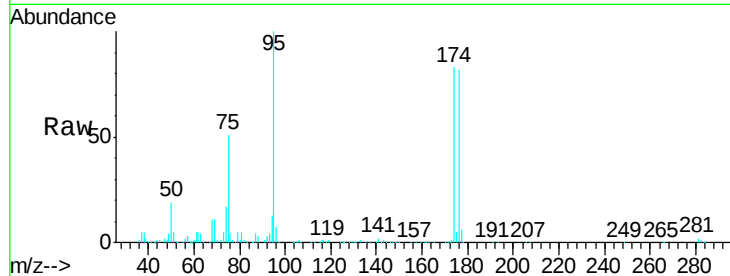




#62
4-Bromofluorobenzene
Concen: 42.347 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY000362.D
Acq: 22 Oct 2019 14:05

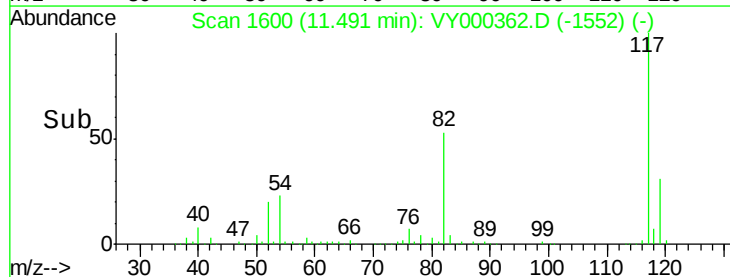
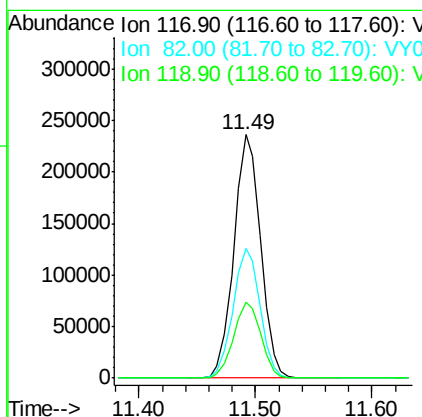
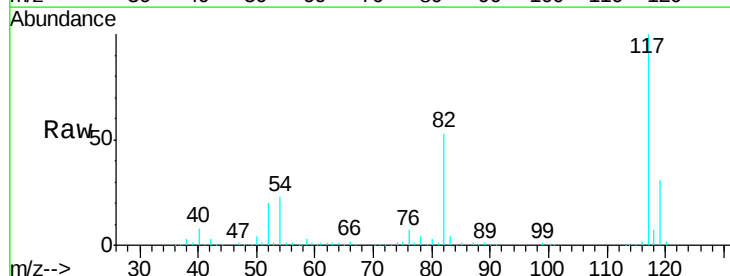
Instrument :
MSVOA_Y
ClientSampled :
CL-02-101819

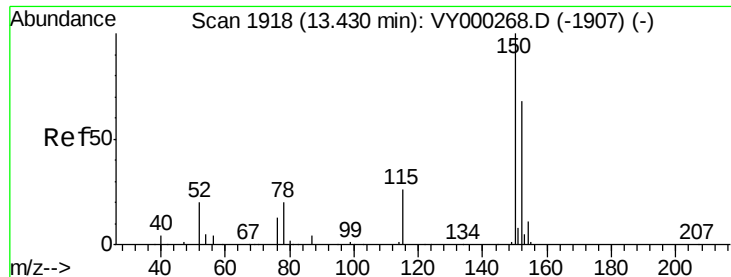
Tgt Ion: 95 Resp: 164116
Ion Ratio Lower Upper
95 100
174 81.8 0.0 159.6
176 79.9 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000362.D
Acq: 22 Oct 2019 14:05

Tgt Ion: 117 Resp: 376763
Ion Ratio Lower Upper
117 100
82 53.2 43.7 65.5
119 31.3 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: VY000362.D

Acq: 22 Oct 2019 14:05

Instrument :

MSVOA_Y

ClientSampleId :

CL-02-101819

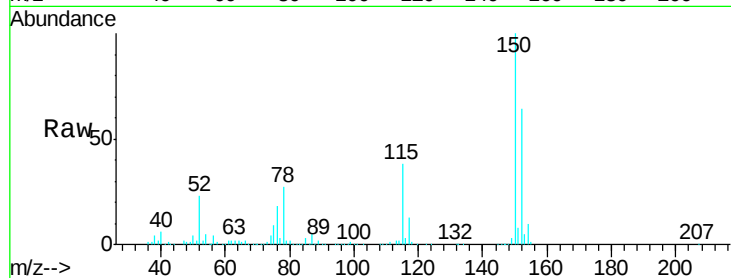
Tgt Ion:152 Resp: 162168

Ion Ratio Lower Upper

152 100

115 59.6 29.3 88.0

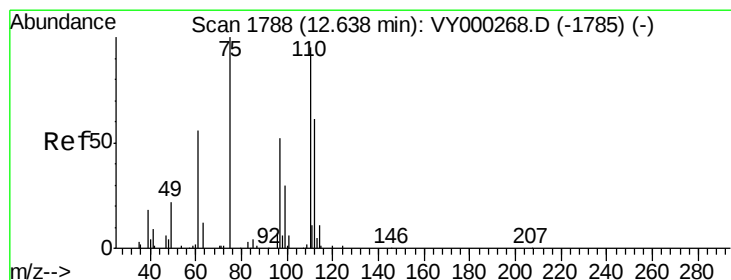
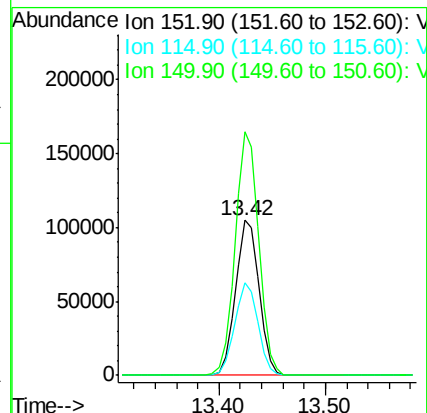
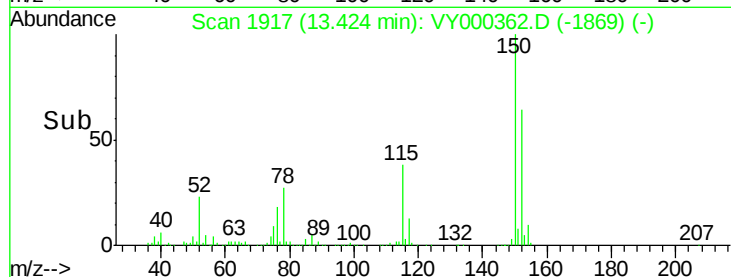
150 157.4 0.0 348.4



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



#76

1,2,3-Trichloropropane

Concen: 43.426 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000362.D

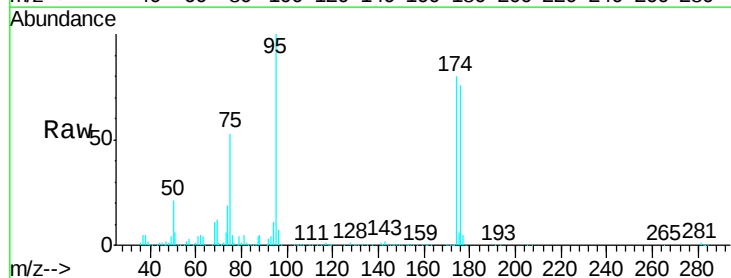
Acq: 22 Oct 2019 14:05

Tgt Ion: 75 Resp: 86597

Ion Ratio Lower Upper

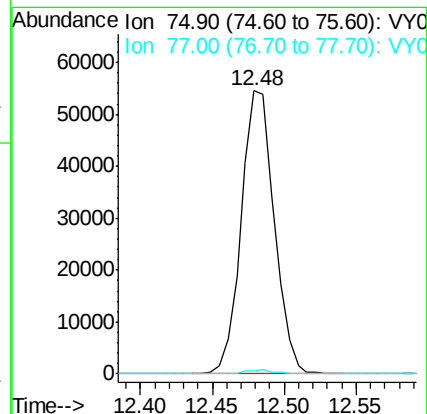
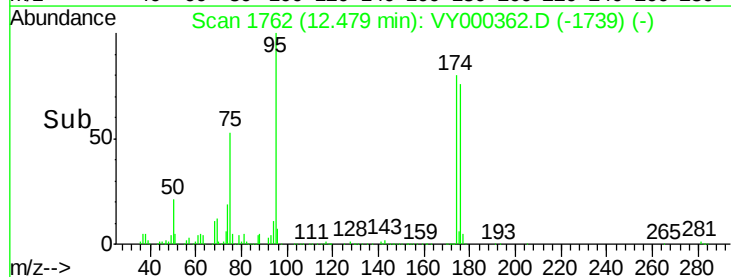
75 100

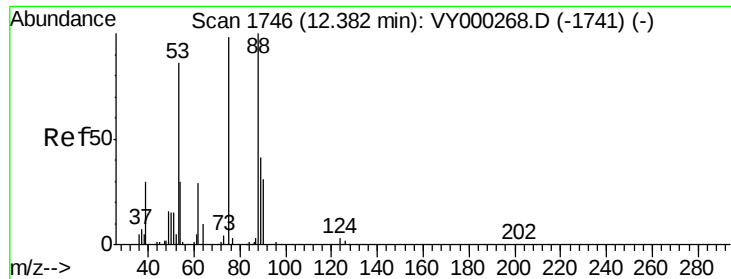
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

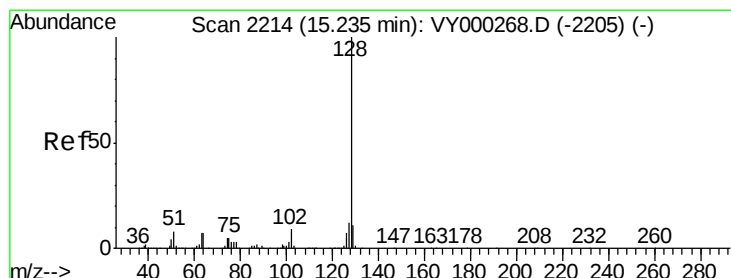
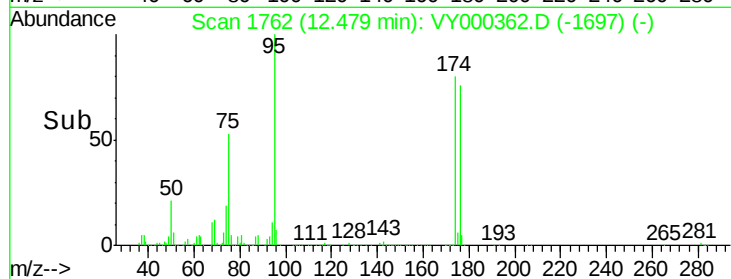
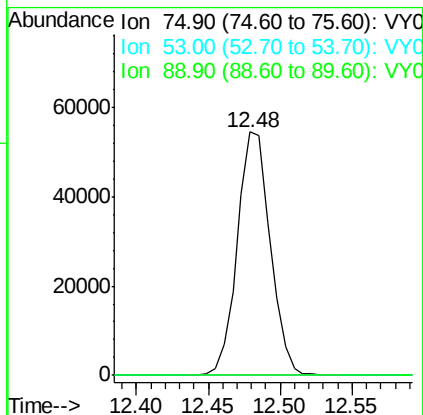
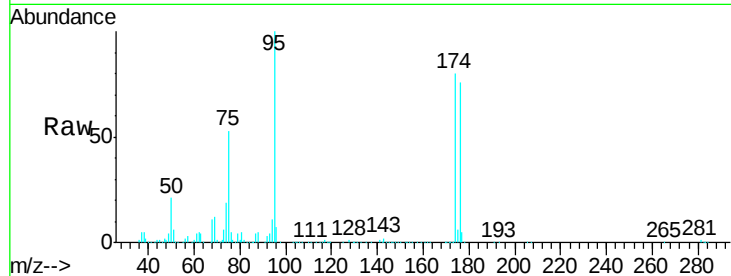




#81
trans-1,4-Dichloro-2-butene
Concen: 95.015 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000362.D
Acq: 22 Oct 2019 14:05

Instrument :
MSVOA_Y
ClientSampleId :
CL-02-101819

Tgt Ion: 75 Resp: 86597
Ion Ratio Lower Upper
75 100
53 0.1 71.3 106.9#
89 0.0 35.1 52.7#



#95
Naphthalene
Concen: 8.939 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000362.D
Acq: 22 Oct 2019 14:05

Tgt Ion: 128 Resp: 69680
Ion Ratio Lower Upper
128 100
127 12.5 9.6 14.4
129 11.6 8.7 13.1

