

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042820\
 Data File : VY002486.D
 Acq On : 28 Apr 2020 11:55
 Operator : SY/MD
 Sample : VY0428SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 28 15:09:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	292920	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.70	114	452665	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	402545	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.42	152	199886	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	145140	56.69	ug/l	-0.01
Spiked Amount			Recovery	=	113.38%	
35) Dibromofluoromethane	7.73	113	135262	52.98	ug/l	-0.02
Spiked Amount			Recovery	=	105.96%	
50) Toluene-d8	10.19	98	520281	50.70	ug/l	-0.01
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.49	95	168048	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	

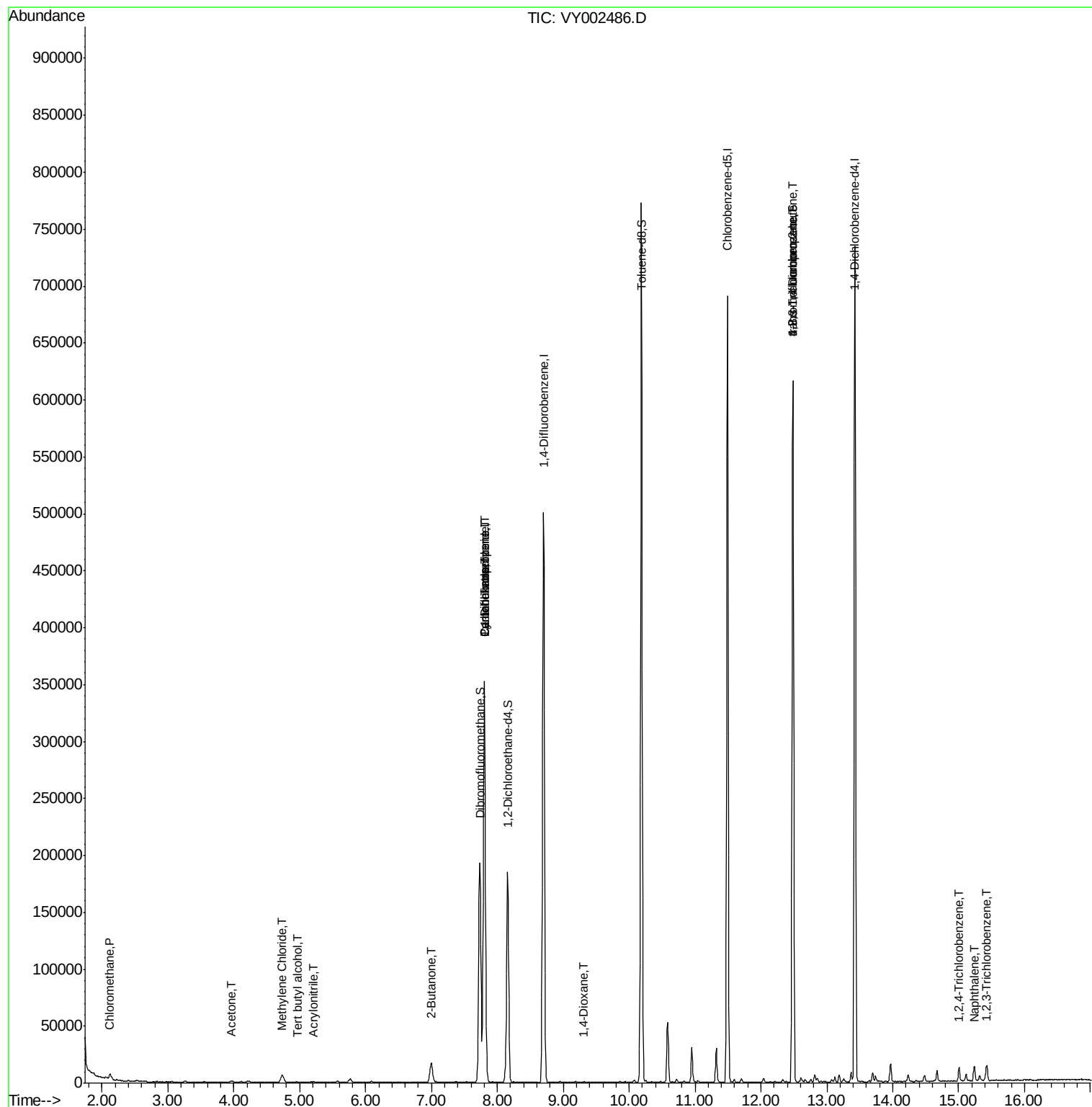
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	3034	1.112	ug/l	100
11) Tert butyl alcohol	4.96	59	1009	4.187	ug/l #	72
15) Acrylonitrile	5.20	53	752	1.072	ug/l #	83
16) Acetone	3.96	43	1848	3.454	ug/l #	83
20) Methylene Chloride	4.73	84	5263	1.723	ug/l	97
25) 2-Butanone	7.00	43	1373	1.675	ug/l #	72
31) Cyclohexane	7.80	56	4689	1.063	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	18272	4.708	ug/l #	49
38) Carbon Tetrachloride	7.80	117	26440	5.924	ug/l #	17
49) 1,4-Dioxane	9.30	88	44	2.282	ug/l #	2
76) 1,2,3-Trichloropropane	12.48	75	84717	50.006	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	84717	92.535	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.00	180	4261	1.011	ug/l	97
95) Naphthalene	15.23	128	11337	1.451	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	5086	1.423	ug/l	99

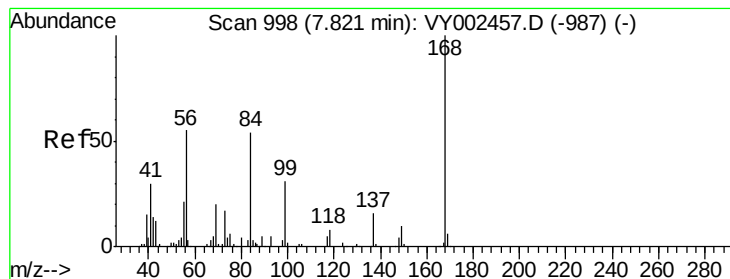
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

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Quant Time: Apr 28 15:09:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 23 14:11:26 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.02 min

Lab File: VY002486.D

Acq: 28 Apr 2020 11:55

Instrument :

MSVOA_Y

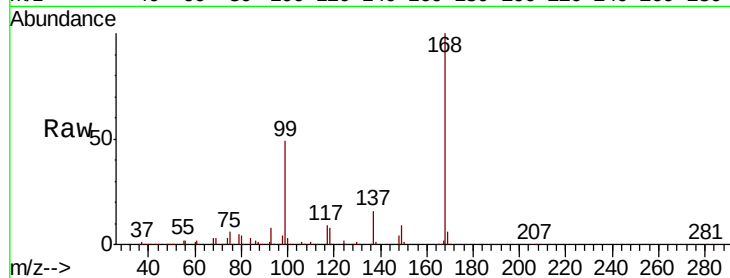
ClientSampleId :

Tot Ion:168 Resp: 292920

Ion Ratio Lower Upper

168 100

99 48.9 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): VY002457.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY002457.D (-987) (-)

7.80

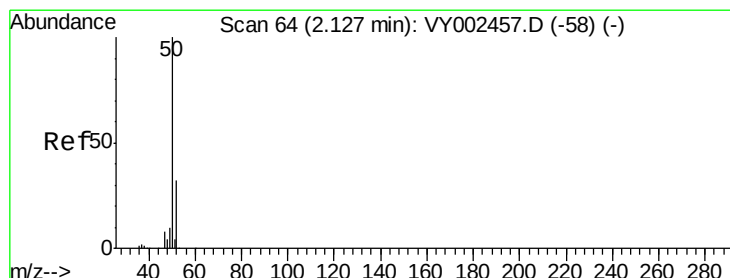
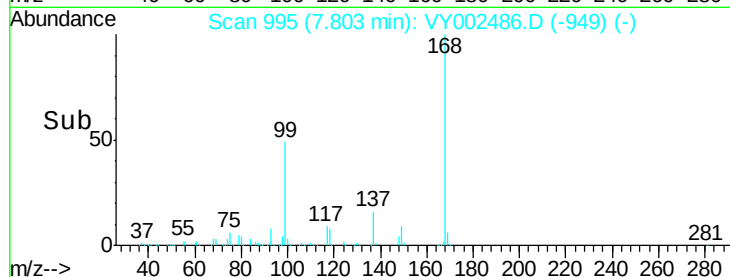
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.112 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY002486.D

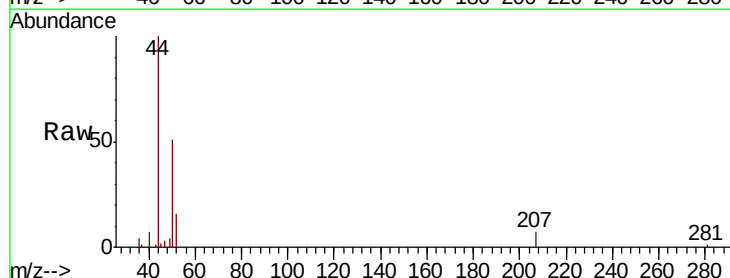
Acq: 28 Apr 2020 11:55

Tgt Ion: 50 Resp: 3034

Ion Ratio Lower Upper

50 100

52 31.6 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VY002457.D (-58) (-)

Ion 51.90 (51.60 to 52.60): VY002457.D (-58) (-)

2.12

2000

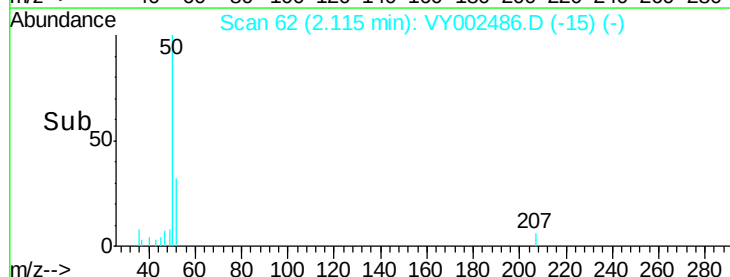
1500

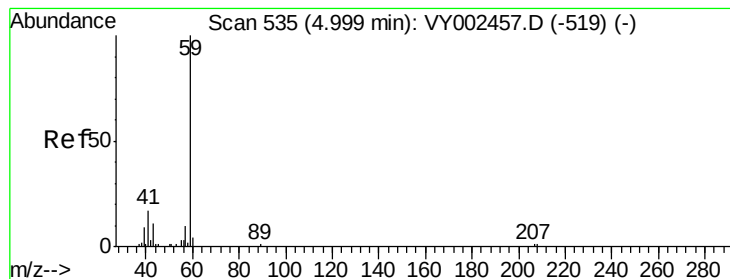
1000

500

0

Time-->



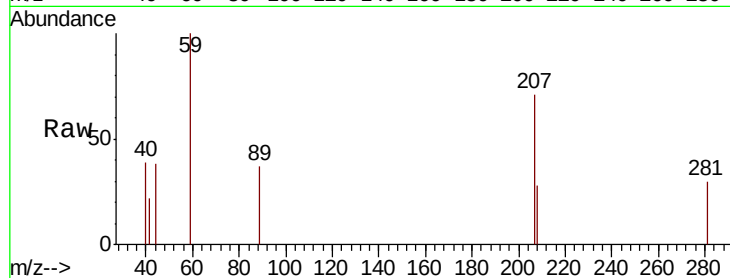


#11

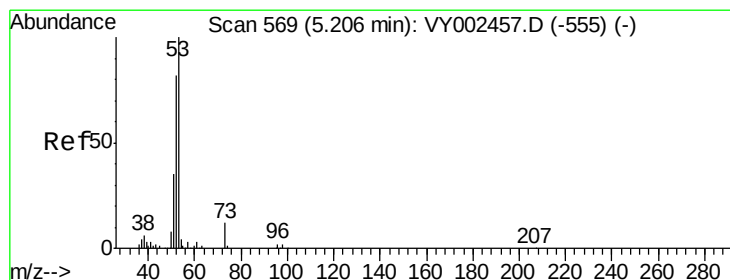
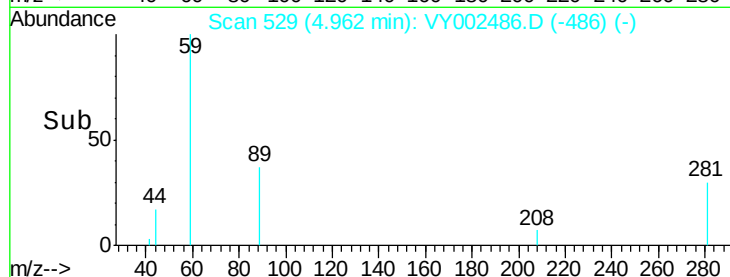
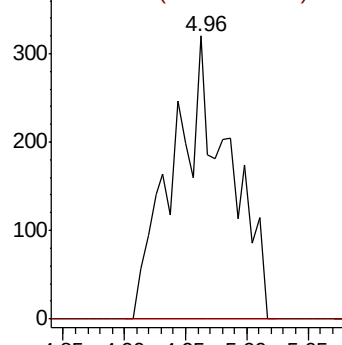
Tert butyl alcohol
 Concen: 4.187 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.04 min
 Lab File: VY002486.D
 Acq: 28 Apr 2020 11:55

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion: 59 Resp: 1009
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#



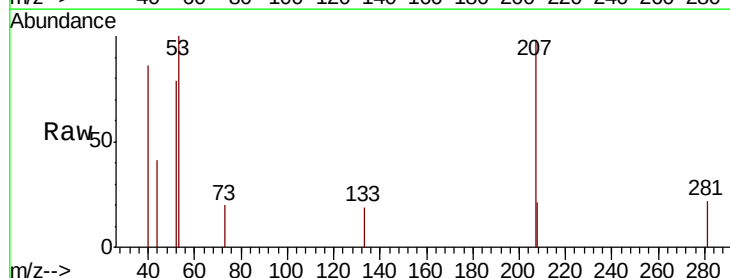
Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



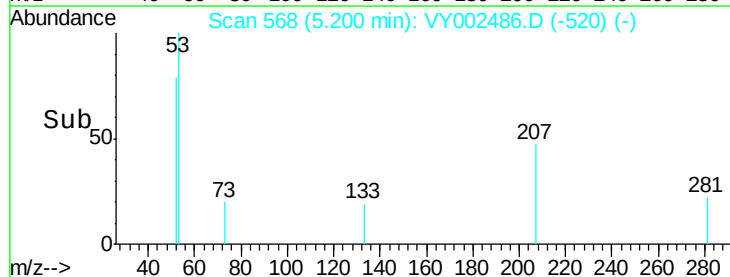
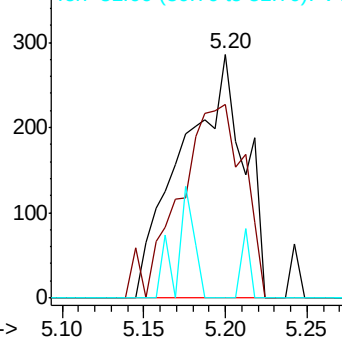
#15

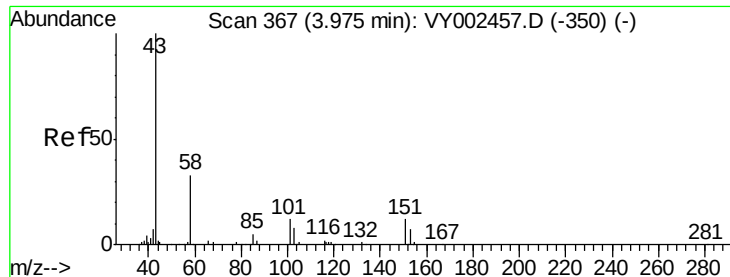
Acrylonitrile
 Concen: 1.072 ug/l
 RT: 5.20 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: VY002486.D
 Acq: 28 Apr 2020 11:55

Tgt Ion: 53 Resp: 752
 Ion Ratio Lower Upper
 53 100
 52 82.8 65.4 98.2
 51 4.0 28.3 42.5#



Abundance Ion 53.00 (52.70 to 53.70): VY0
 Ion 52.00 (51.70 to 52.70): VY0
 Ion 51.00 (50.70 to 51.70): VY0

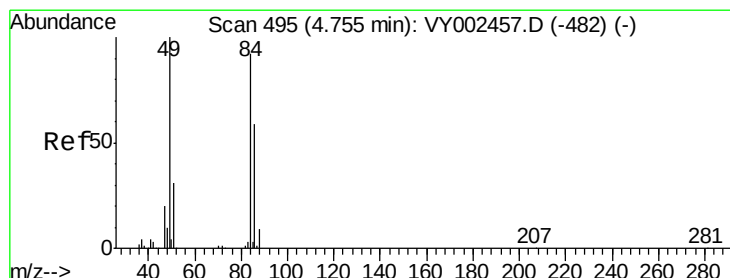
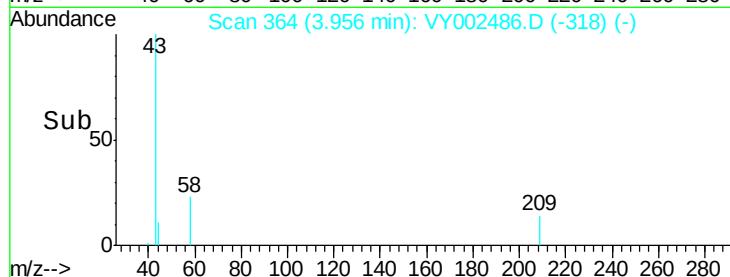
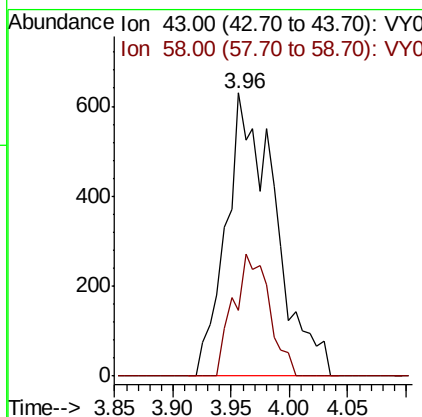
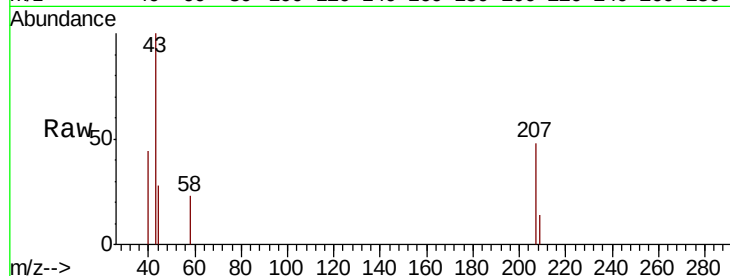




#16
Acetone
Concen: 3.454 ug/l
RT: 3.96 min Scan# 364
Delta R.T. -0.02 min
Lab File: VY002486.D
Acq: 28 Apr 2020 11:55

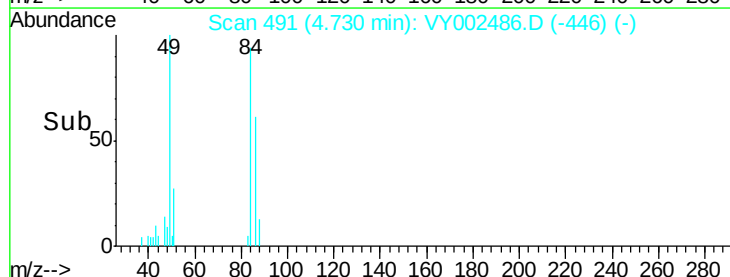
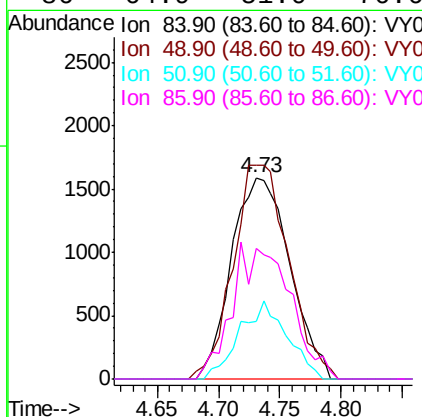
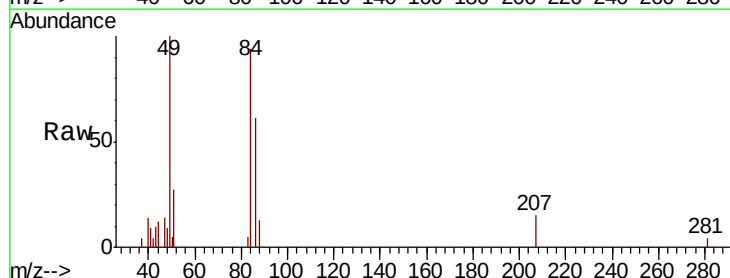
Instrument :
MSVOA_Y
ClientSampleId :

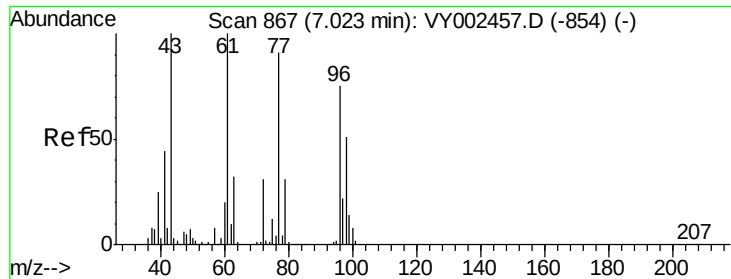
Tot Ion: 43 Resp: 1848
Ion Ratio Lower Upper
43 100
58 23.4 26.4 39.6#



#20
Methylene Chloride
Concen: 1.723 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.02 min
Lab File: VY002486.D
Acq: 28 Apr 2020 11:55

Tgt Ion: 84 Resp: 5263
Ion Ratio Lower Upper
84 100
49 106.0 86.9 130.3
51 28.5 27.3 40.9
86 64.9 51.0 76.6





#25

2-Butanone

Concen: 1.675 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY002486.D

Acq: 28 Apr 2020 11:55

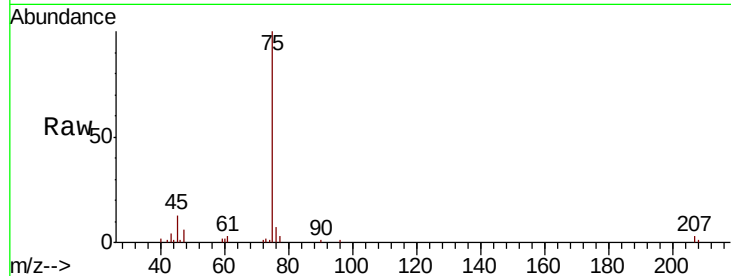
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 1373

Ion Ratio Lower Upper

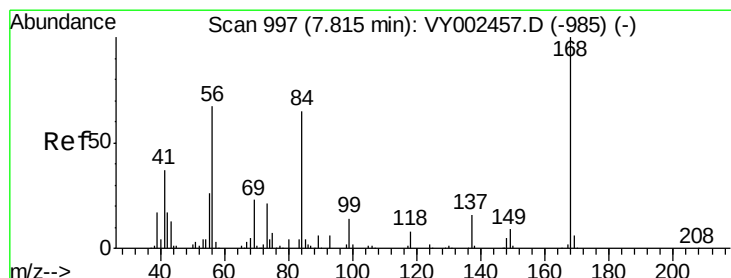
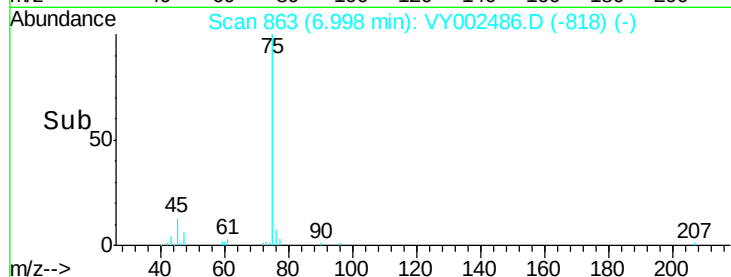
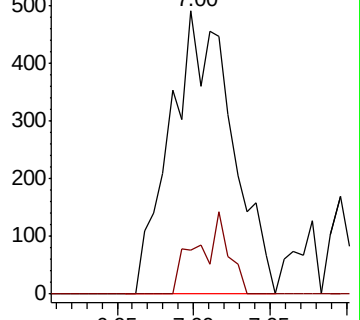
43 100

72 15.7 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 1.063 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.02 min

Lab File: VY002486.D

Acq: 28 Apr 2020 11:55

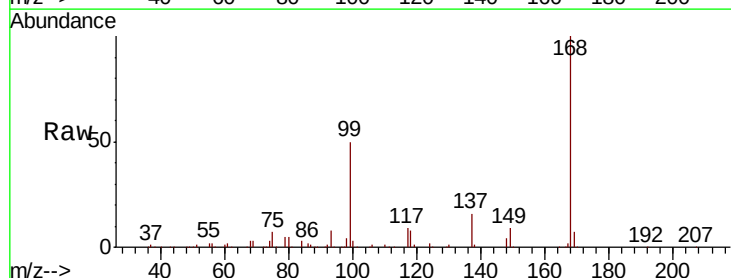
Tgt Ion: 56 Resp: 4689

Ion Ratio Lower Upper

56 100

69 164.8 27.0 40.6#

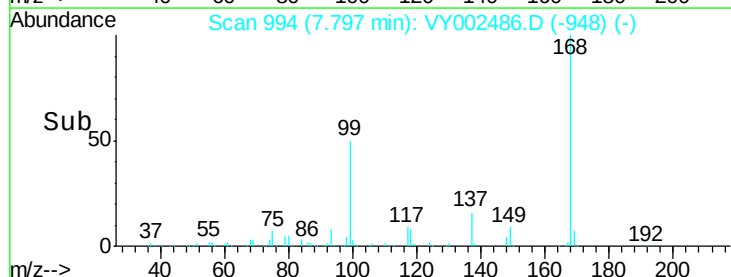
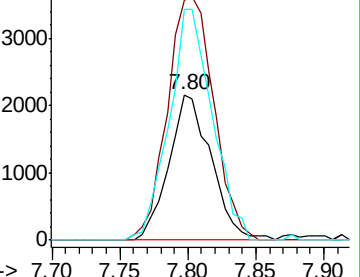
84 158.6 77.4 116.2#

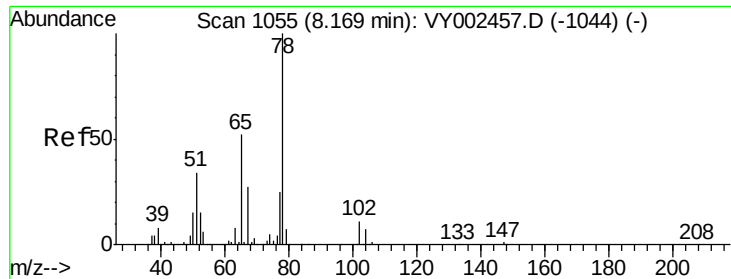


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

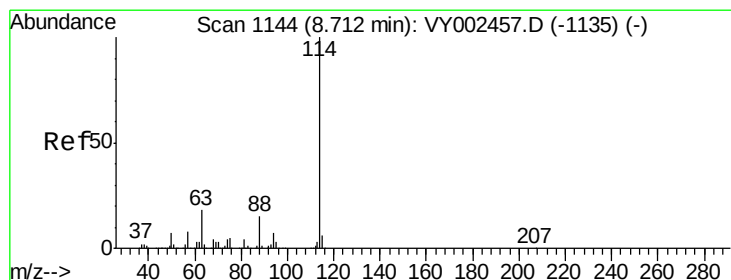
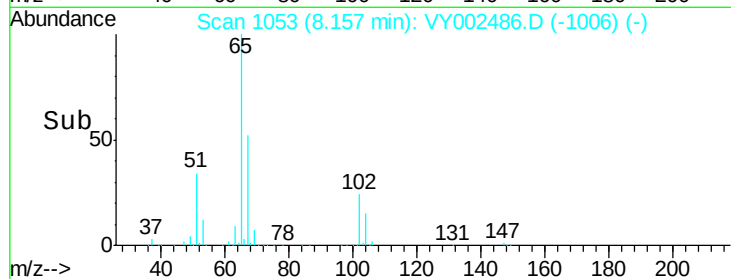
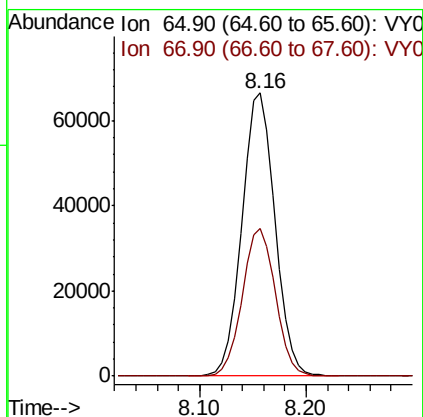
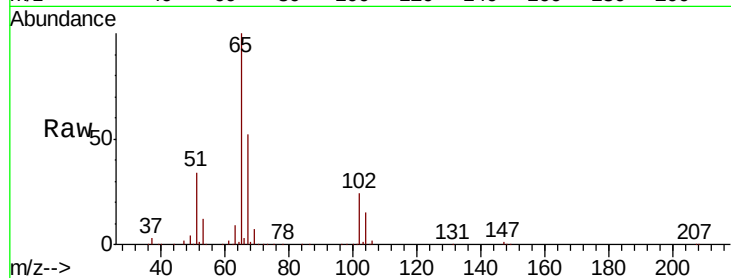




#33
 1,2-Dichloroethane-d4
 Concen: 56.691 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY002486.D
 Acq: 28 Apr 2020 11:55

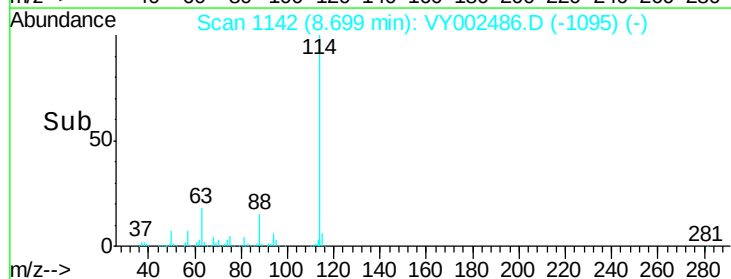
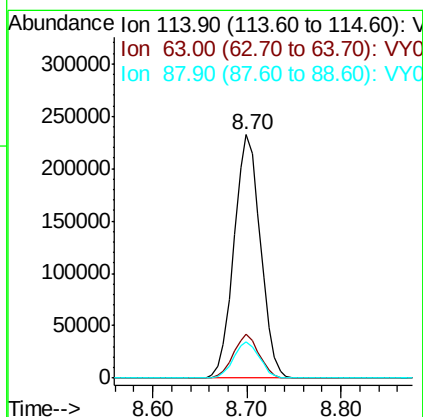
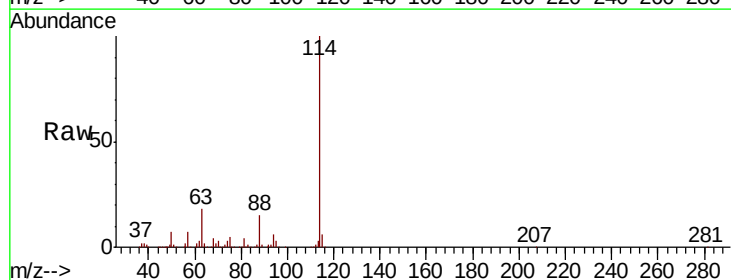
Instrument :
 MSVOA_Y
 ClientSampleId :

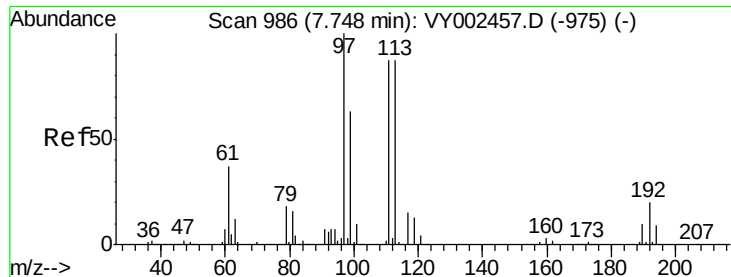
Tot Ion: 65 Resp: 145140
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002486.D
 Acq: 28 Apr 2020 11:55

Tgt Ion: 114 Resp: 452665
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.6
 88 14.8 0.0 29.4

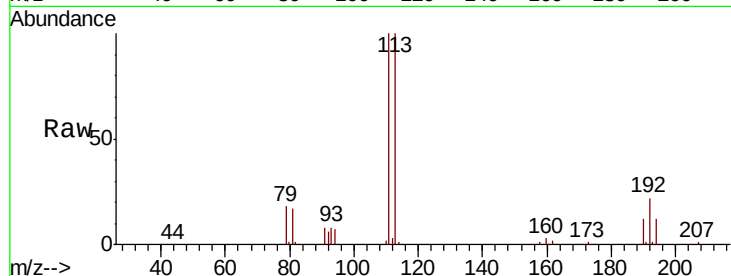




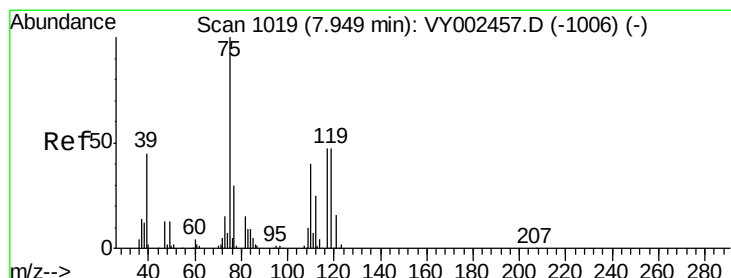
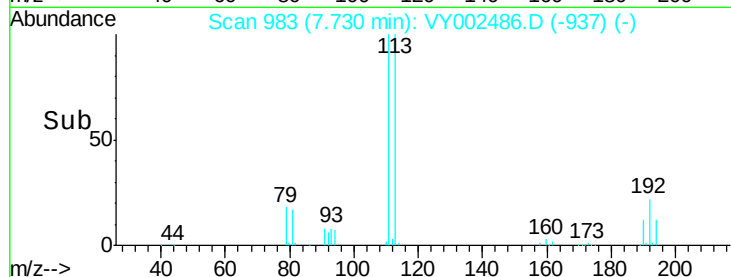
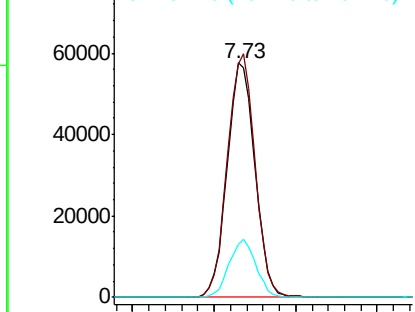
#35
 Dibromofluoromethane
 Concen: 52.976 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.02 min
 Lab File: VY002486.D
 Acq: 28 Apr 2020 11:55

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.0	121.4
192	23.8	18.6	27.8

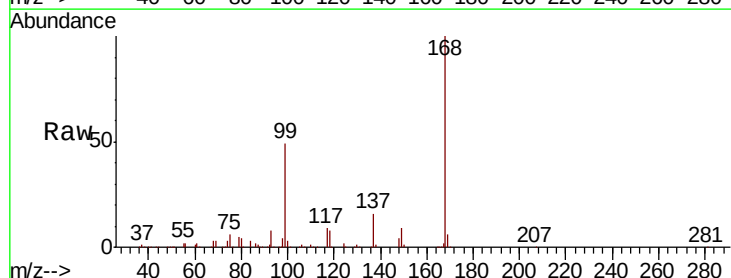


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

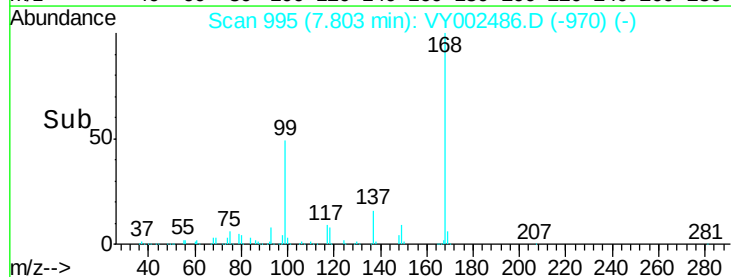
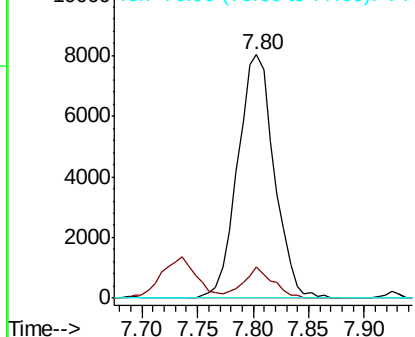


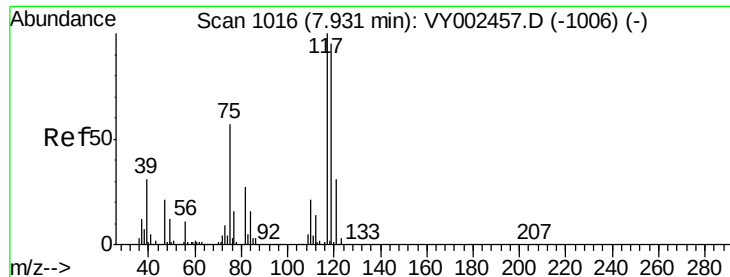
#36
 1,1-Dichloropropene
 Concen: 4.708 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.15 min
 Lab File: VY002486.D
 Acq: 28 Apr 2020 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	19.4	58.4#
77	0.0	24.7	37.1#



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





#38

Carbon Tetrachloride

Concen: 5.924 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY002486.D

Acq: 28 Apr 2020 11:55

Instrument :

MSVOA_Y

ClientSampleId :

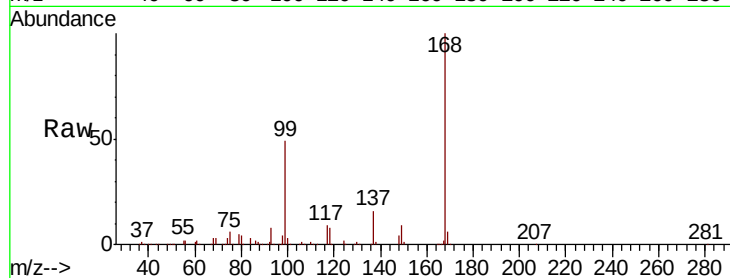
Tot Ion:117 Resp: 26440

Ion Ratio Lower Upper

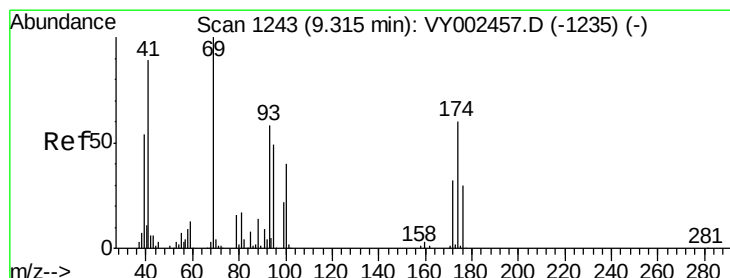
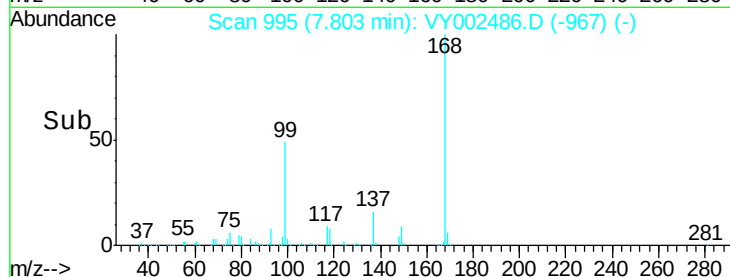
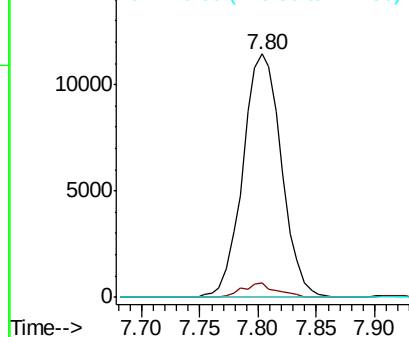
117 100

119 5.8 75.9 113.9#

121 0.0 24.5 36.7#



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



#49

1,4-Dioxane

Concen: 2.282 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.02 min

Lab File: VY002486.D

Acq: 28 Apr 2020 11:55

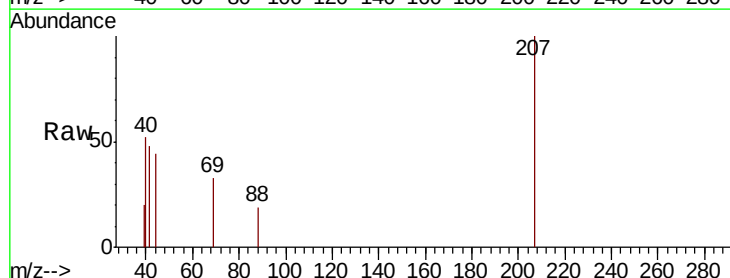
Tgt Ion: 88 Resp: 44

Ion Ratio Lower Upper

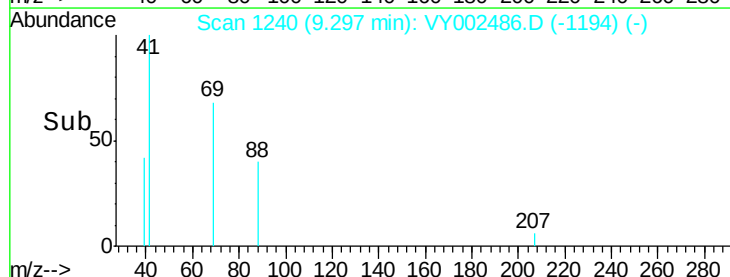
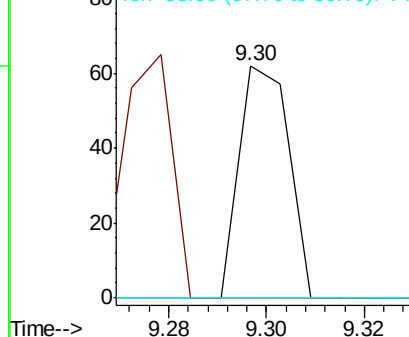
88 100

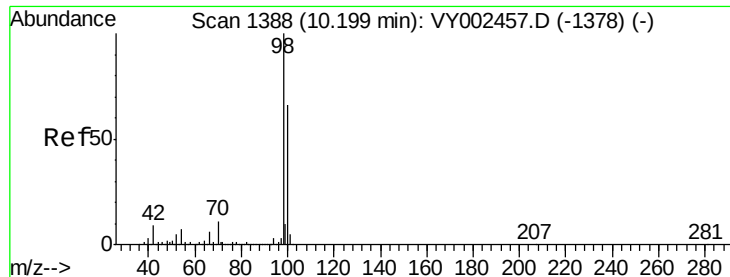
43 100.0 22.9 34.3#

58 0.0 49.5 74.3#



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

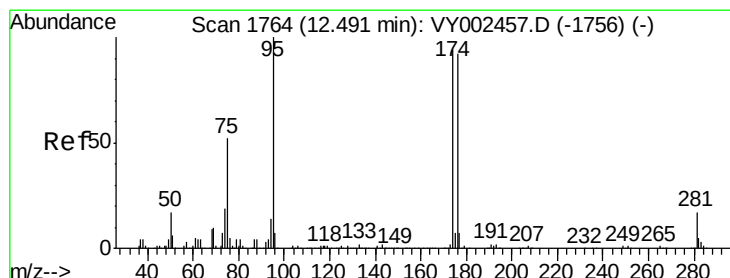
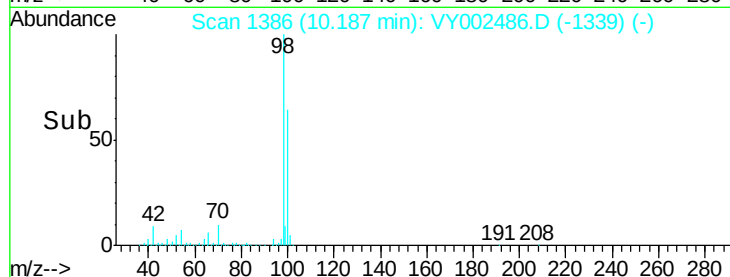
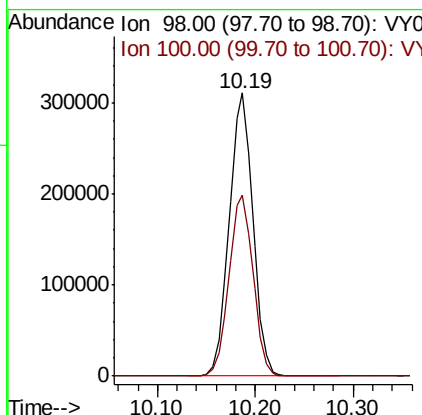
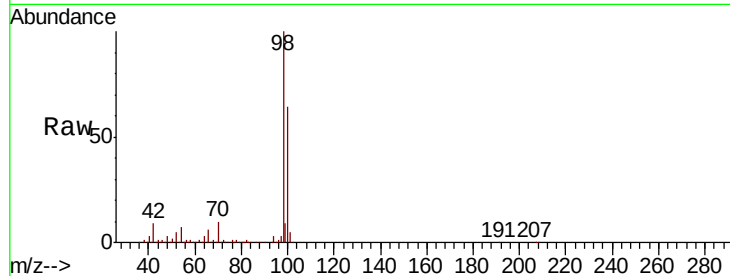




#50
Toluene-d8
Concen: 50.699 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY002486.D
Acq: 28 Apr 2020 11:55

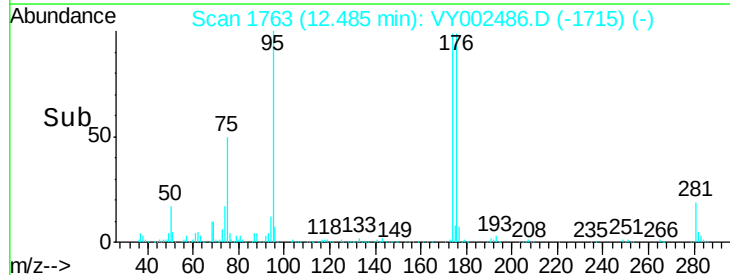
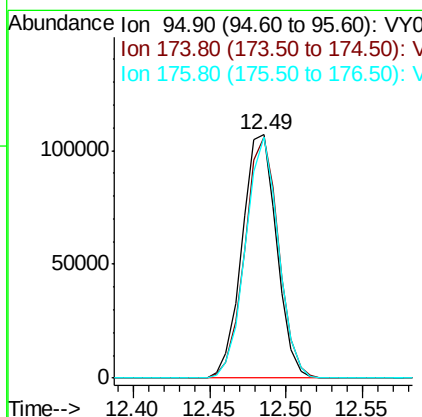
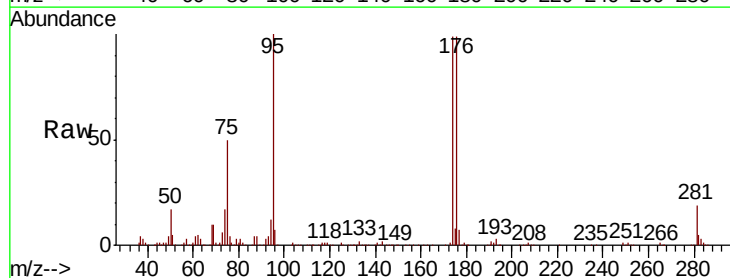
Instrument :
MSVOA_Y
ClientSampleId :

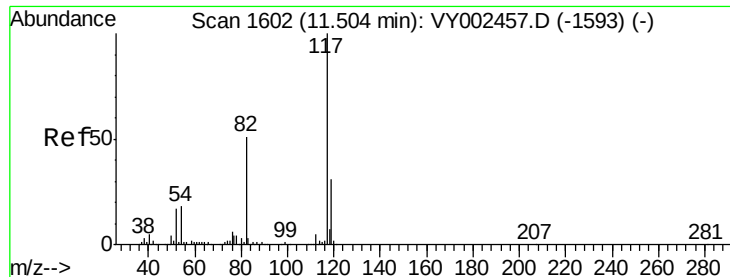
Tot Ion: 98 Resp: 520281
Ion Ratio Lower Upper
98 100
100 65.1 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 48.803 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY002486.D
Acq: 28 Apr 2020 11:55

Tgt Ion: 95 Resp: 168048
Ion Ratio Lower Upper
95 100
174 96.5 0.0 193.0
176 94.3 0.0 190.4

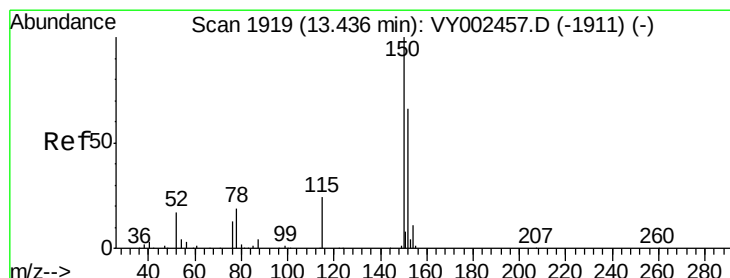
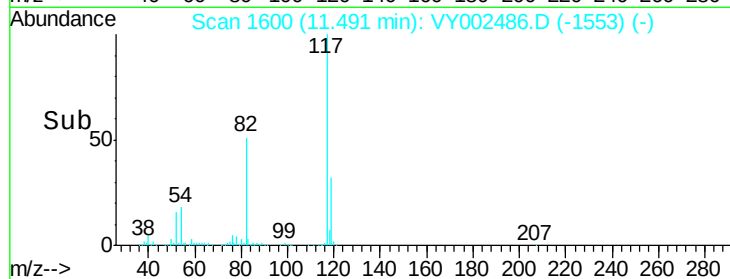
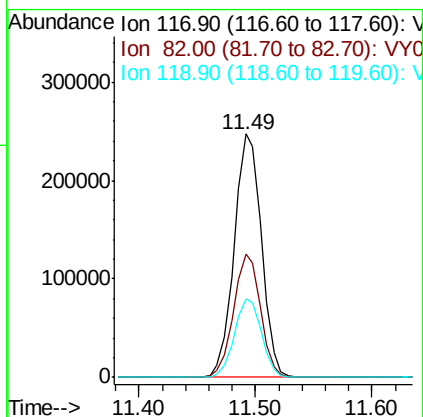
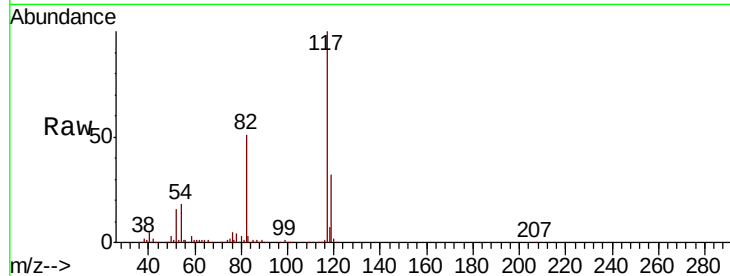




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002486.D
Acq: 28 Apr 2020 11:55

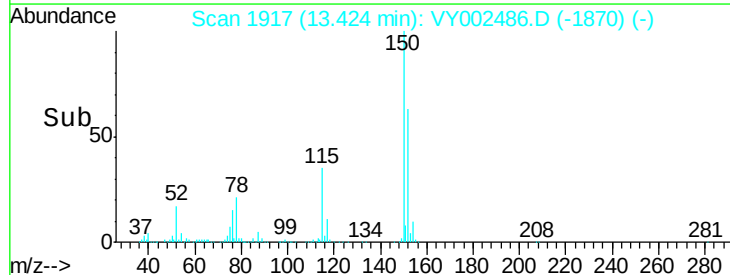
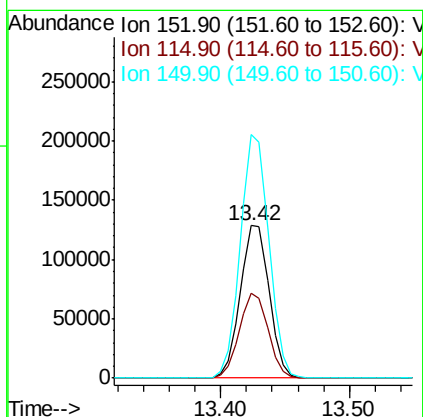
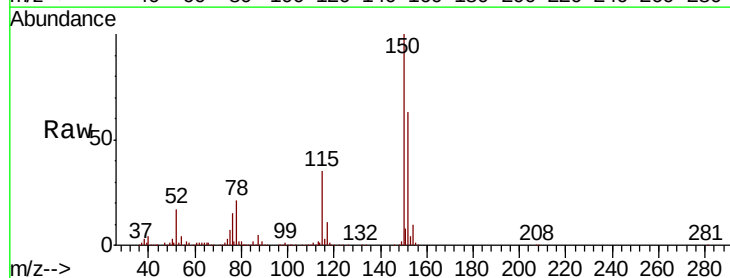
Instrument :
MSVOA_Y
ClientSampleId :

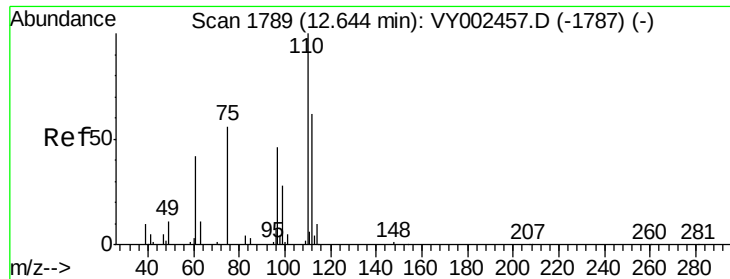
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	40.8	61.2
119	32.1	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002486.D
Acq: 28 Apr 2020 11:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.3	81.8
150	157.6	0.0	346.8

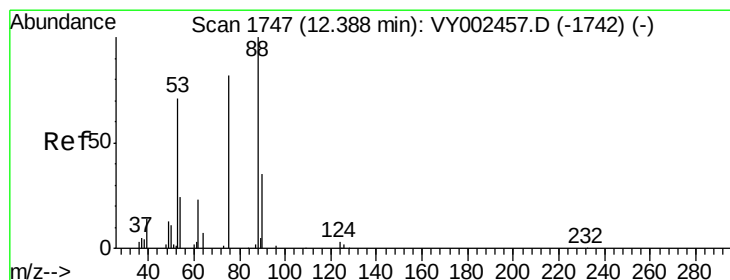
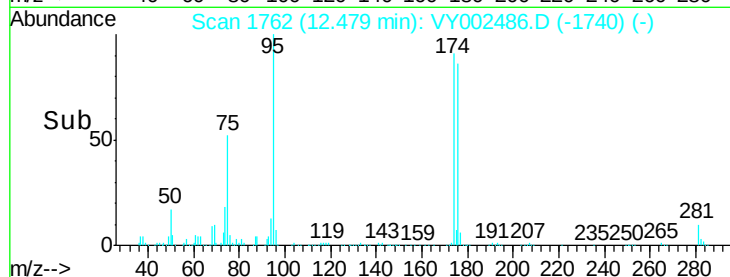
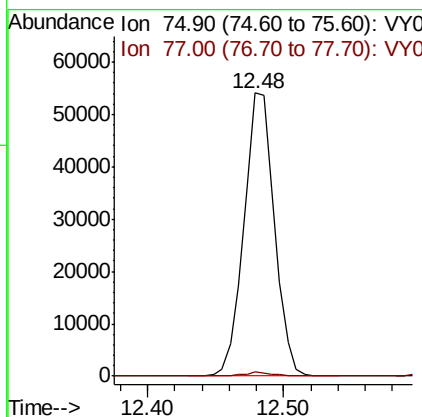
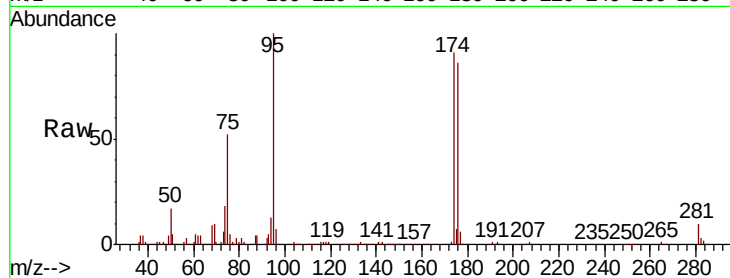




#76
 1,2,3-Trichloropropane
 Concen: 50.006 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.16 min
 Lab File: VY002486.D
 Acq: 28 Apr 2020 11:55

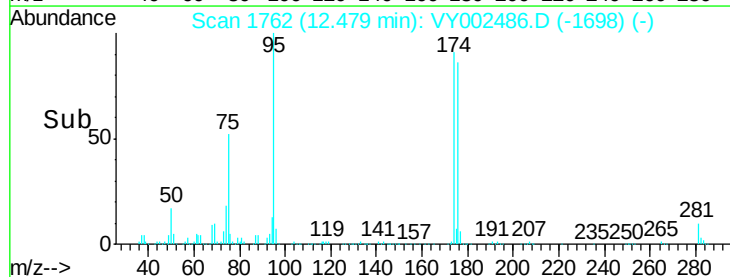
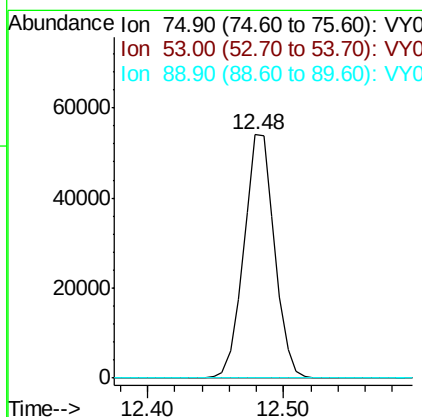
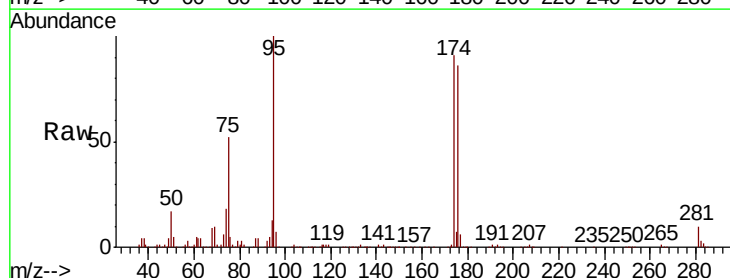
Instrument :
 MSVOA_Y
 ClientSampleId :

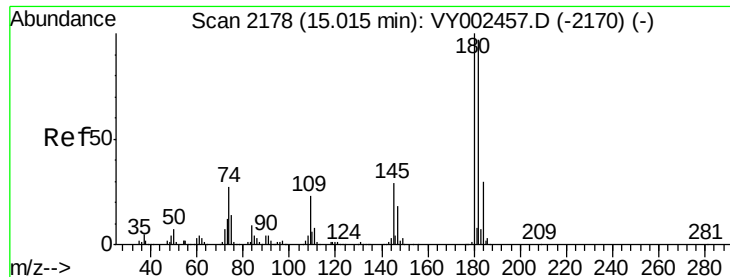
Tot Ion: 75 Resp: 84717
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.535 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.09 min
 Lab File: VY002486.D
 Acq: 28 Apr 2020 11:55

Tgt Ion: 75 Resp: 84717
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.0 105.0#
 89 0.2 34.9 52.3#

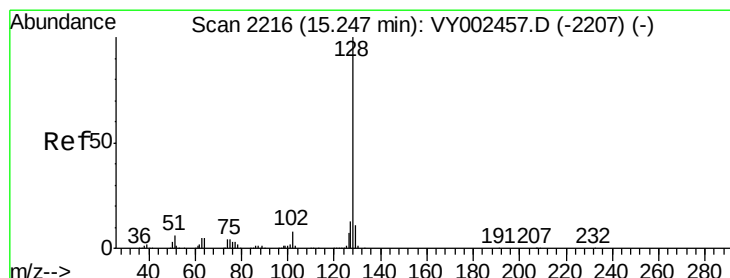
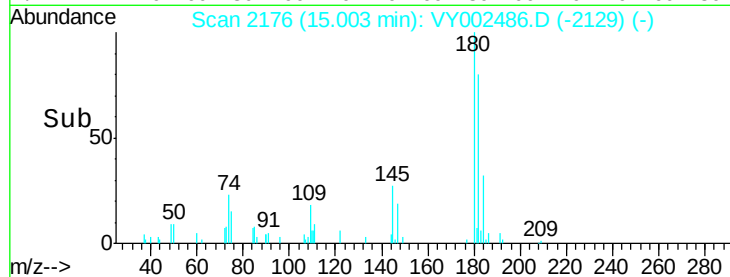
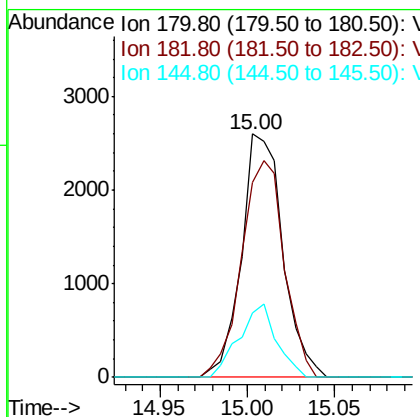
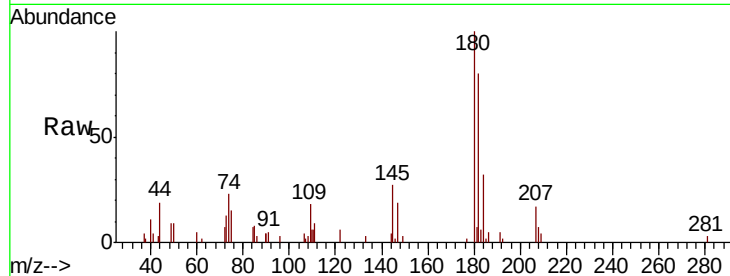




#93
 1,2,4-Trichlorobenzene
 Concen: 1.011 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY002486.D
 Acq: 28 Apr 2020 11:55

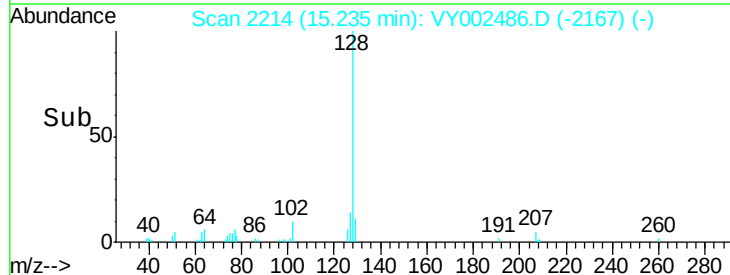
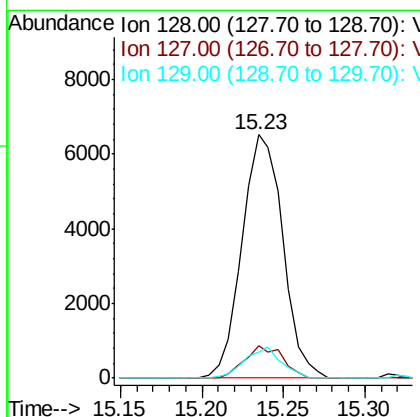
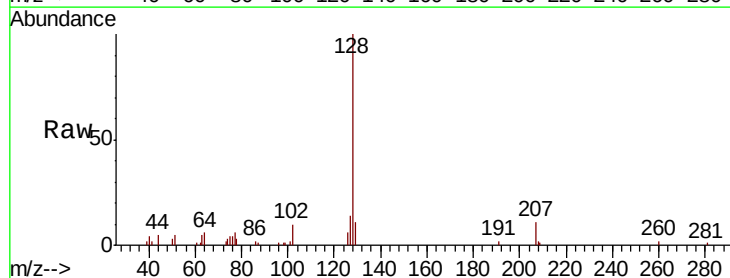
Instrument :
 MSVOA_Y
 ClientSampleId :

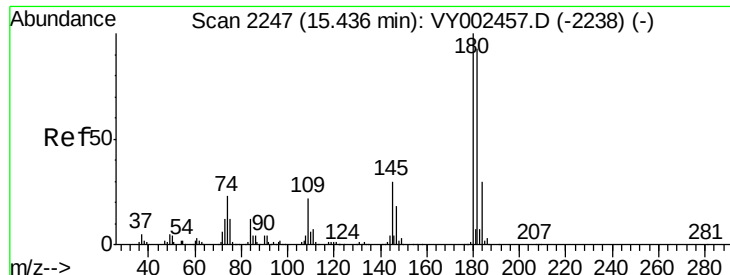
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.2	47.9	143.7
145	27.2	14.2	42.6



#95
 Naphthalene
 Concen: 1.451 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. -0.01 min
 Lab File: VY002486.D
 Acq: 28 Apr 2020 11:55

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.5	15.7
129	11.6	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 1.423 ug/l
 RT: 15.42 min Scan# 2245
 Delta R.T. -0.01 min
 Lab File: VY002486.D
 Acq: 28 Apr 2020 11:55

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:	180	Resp:	5086
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.5	142.6
145	30.3	15.3	45.9

