

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\
 Data File : VY002599.D
 Acq On : 05 May 2020 19:57
 Operator : SY/MD
 Sample : L2491-05
 Misc : 7.90G/5ML/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 06 03:22:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	334090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	520757	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	459986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	211808	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	149885	53.36	ug/l	0.00
Spiked Amount			Recovery	=	106.72%	
35) Dibromofluoromethane	7.74	113	155883	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
50) Toluene-d8	10.19	98	605444	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.49	95	193424	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	

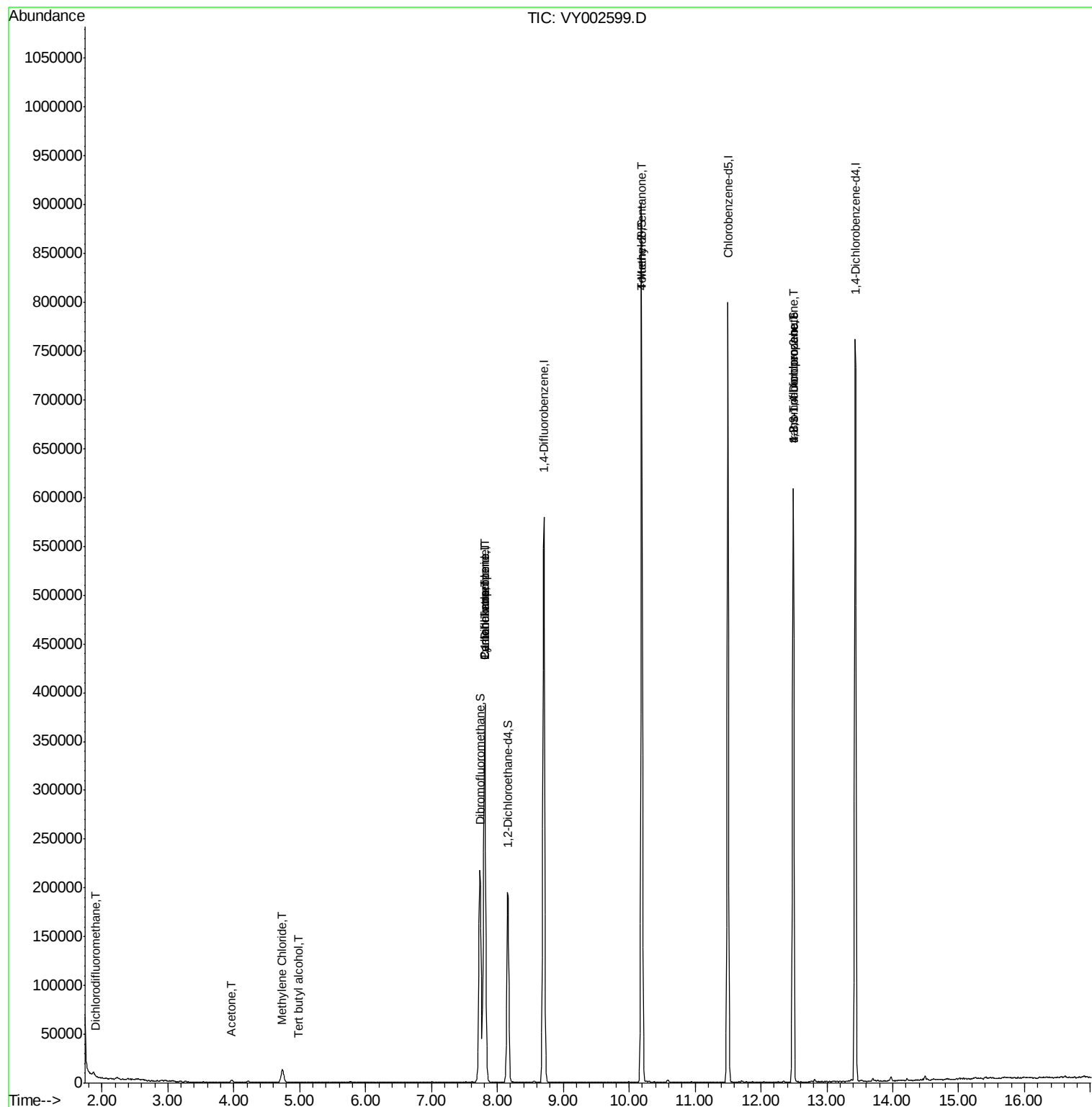
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	21	1.792	ug/l #	43
11) Tert butyl alcohol	4.97	59	520	1.799	ug/l #	74
16) Acetone	3.96	43	3814	6.579	ug/l	89
20) Methylene Chloride	4.74	84	10746	3.315	ug/l	95
31) Cyclohexane	7.80	56	5366	1.063	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	21003	4.811	ug/l #	48
38) Carbon Tetrachloride	7.81	117	29962	6.286	ug/l #	16
51) 4-Methyl-2-Pentanone	10.19	43	2303	1.062	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	92670	49.233	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	92670	98.722	ug/l #	15

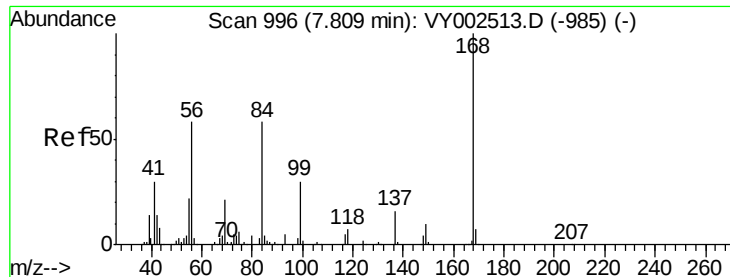
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
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QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY002599.D

Acq: 05 May 2020 19:57

Instrument :

MSVOA_Y

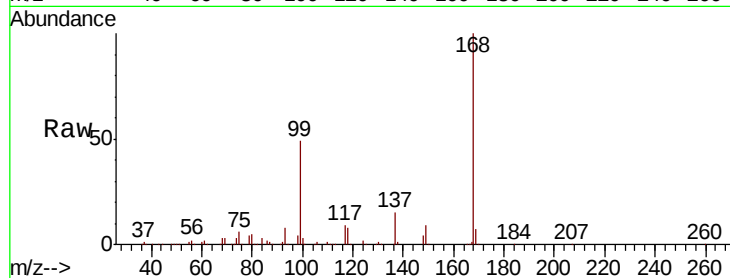
ClientSampleId :

Tot Ion:168 Resp: 334090

Ion Ratio Lower Upper

168 100

99 49.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.81

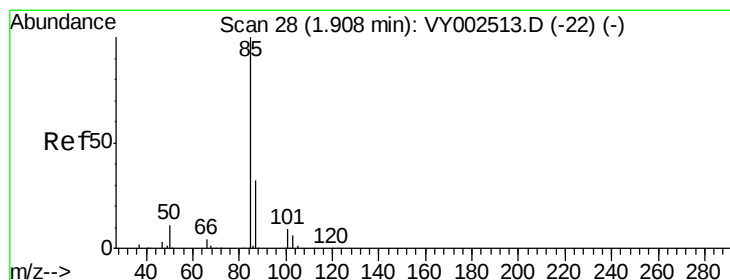
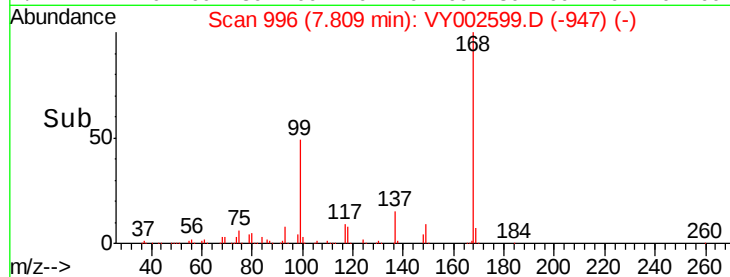
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.792 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002599.D

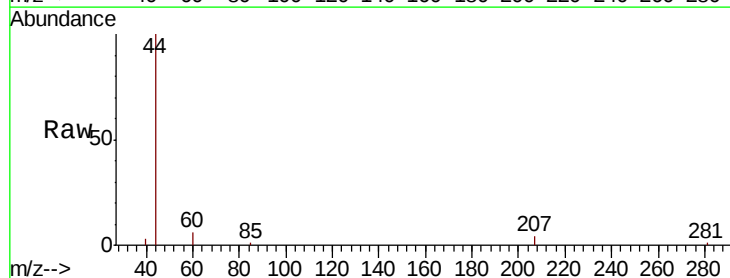
Acq: 05 May 2020 19:57

Tgt Ion: 85 Resp: 21

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.91

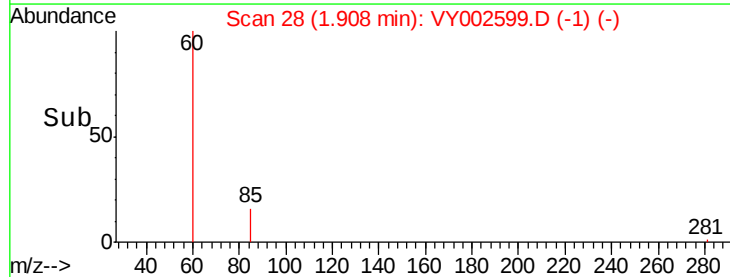
60

40

20

0

Time-->



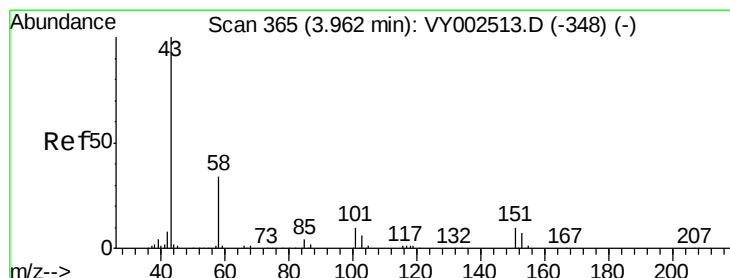
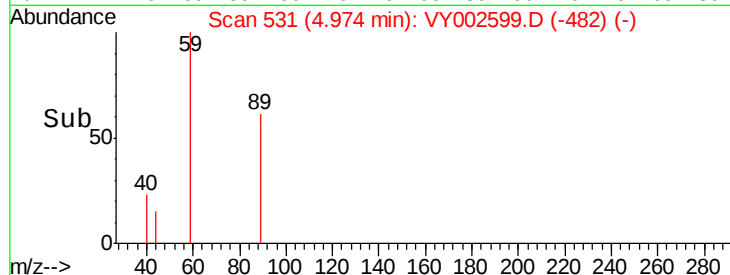
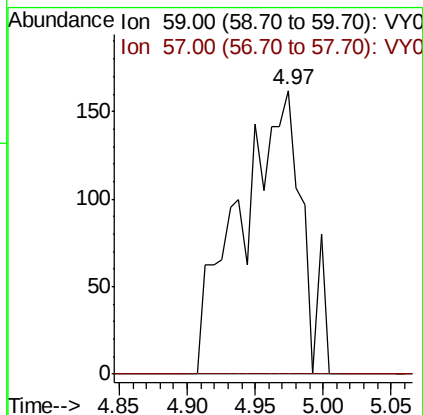
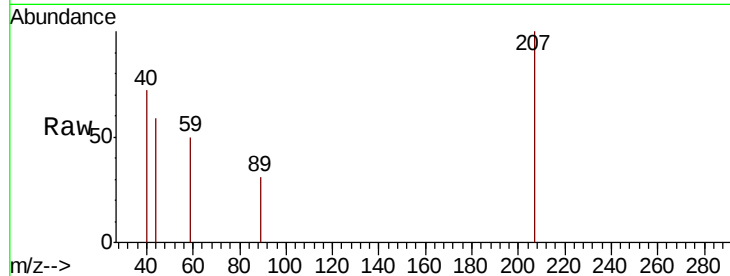


#11

Tert butyl alcohol
 Concen: 1.799 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VY002599.D
 Acq: 05 May 2020 19:57

Instrument :
 MSVOA_Y
 ClientSampled :

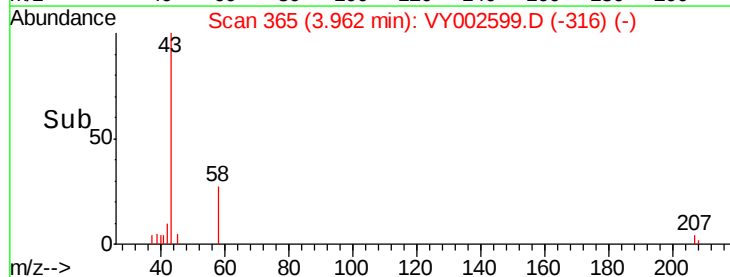
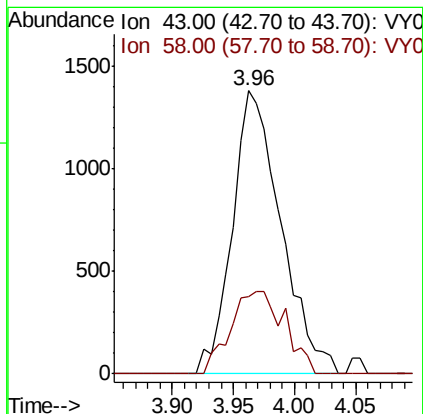
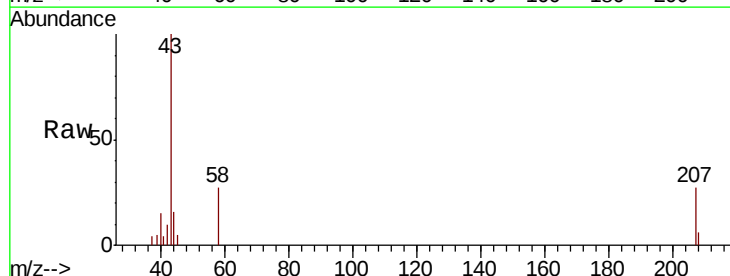
Tot Ion: 59 Resp: 520
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

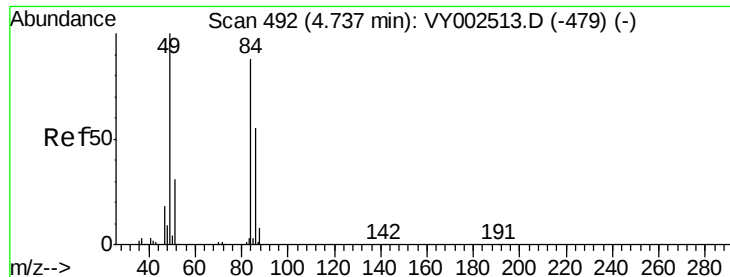


#16

Acetone
 Concen: 6.579 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VY002599.D
 Acq: 05 May 2020 19:57

Tgt Ion: 43 Resp: 3814
 Ion Ratio Lower Upper
 43 100
 58 27.4 26.9 40.3





#20

Methylene Chloride

Concen: 3.315 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.00 min

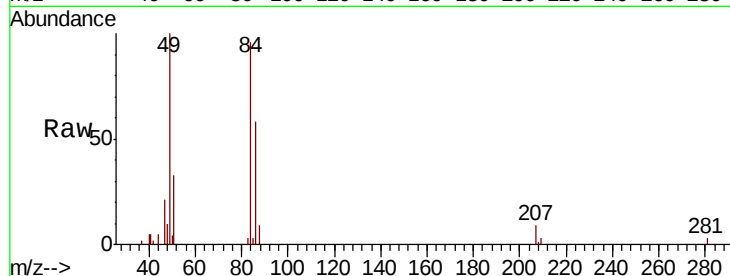
Lab File: VY002599.D

Acq: 05 May 2020 19:57

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 10746

Ion	Ratio	Lower	Upper
84	100		
49	104.5	90.5	135.7
51	34.4	28.3	42.5
86	60.9	49.9	74.9



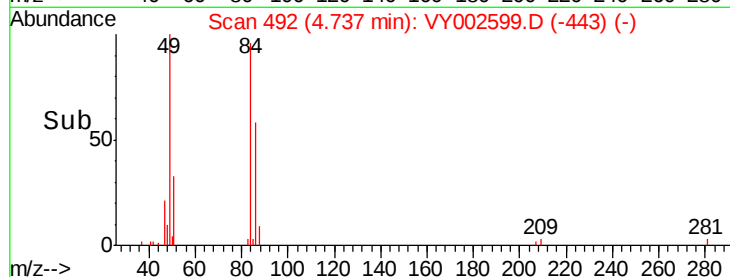
Abundance

Ion 83.90 (83.60 to 84.60): VY0

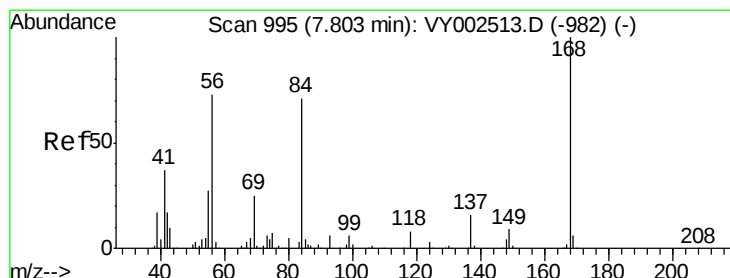
Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



Time-->



#31

Cyclohexane

Concen: 1.063 ug/l

RT: 7.80 min Scan# 995

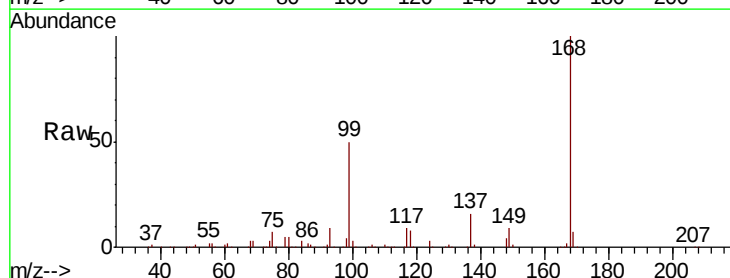
Delta R.T. -0.00 min

Lab File: VY002599.D

Acq: 05 May 2020 19:57

Tgt Ion: 56 Resp: 5366

Ion	Ratio	Lower	Upper
56	100		
69	169.8	27.6	41.4#
84	174.3	77.7	116.5#

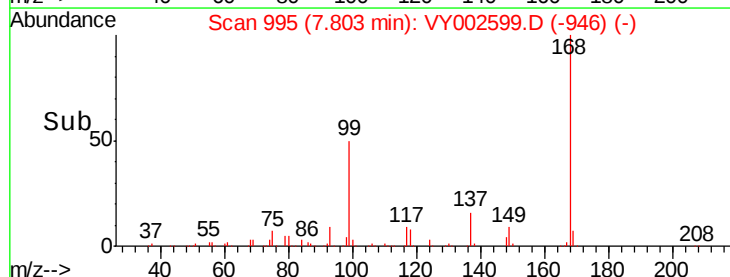


Abundance

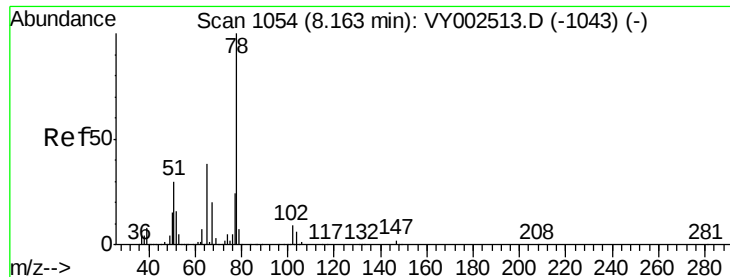
Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



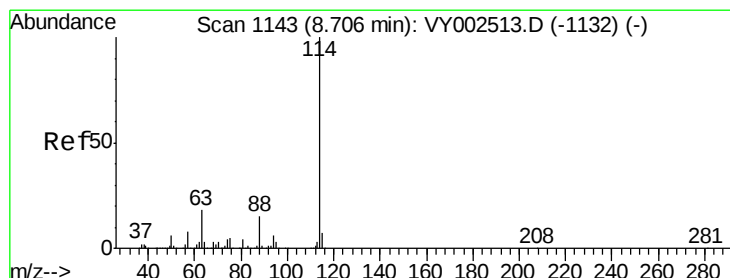
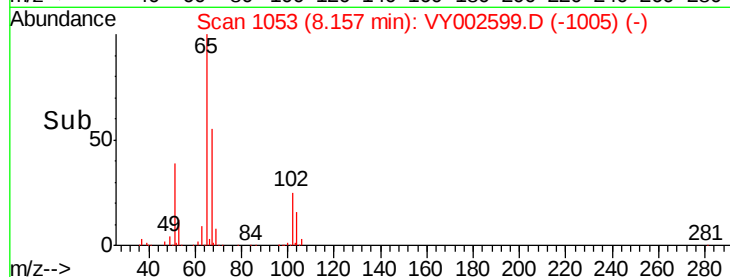
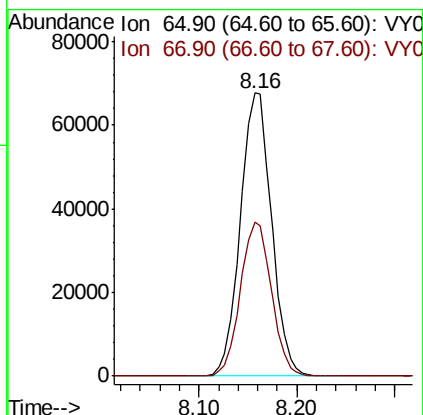
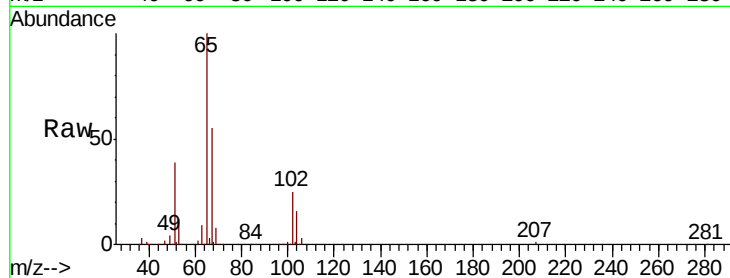
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 53.357 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY002599.D
 Acq: 05 May 2020 19:57

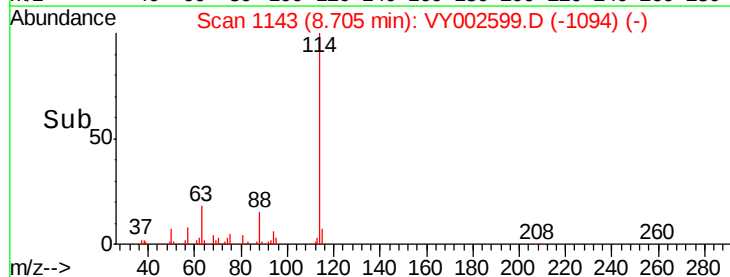
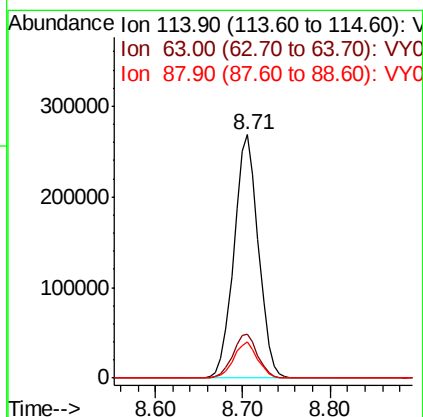
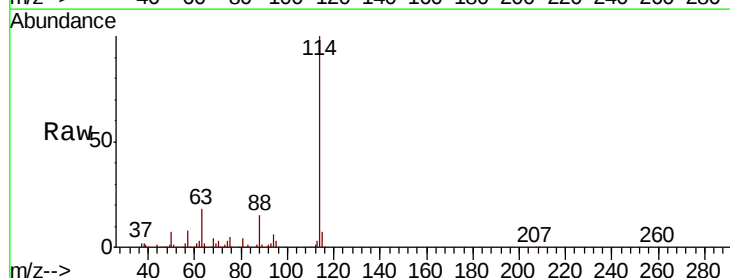
Instrument :
 MSVOA_Y
 ClientSampleId :

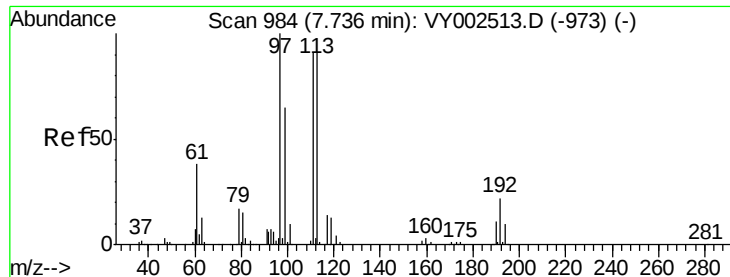
Tot Ion: 65 Resp: 149885
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VY002599.D
 Acq: 05 May 2020 19:57

Tgt Ion: 114 Resp: 520757
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 36.4
 88 14.7 0.0 29.6

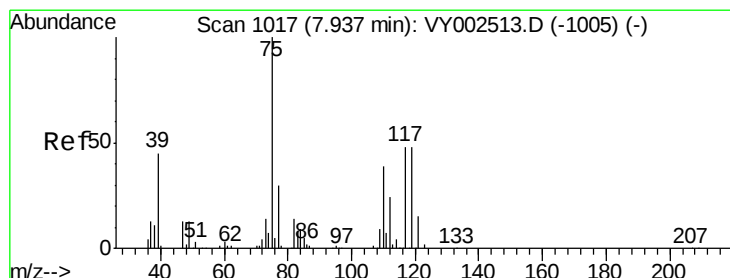
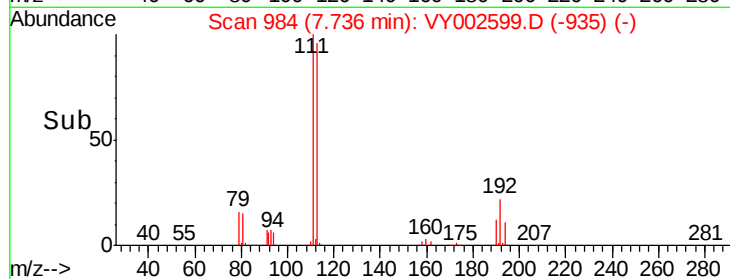
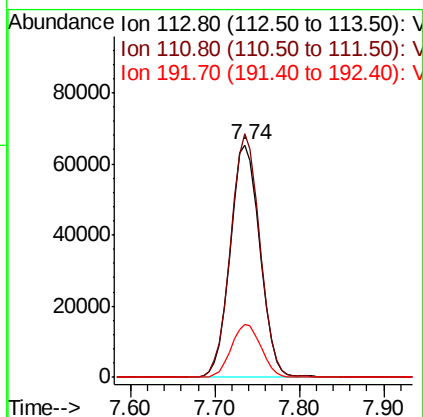
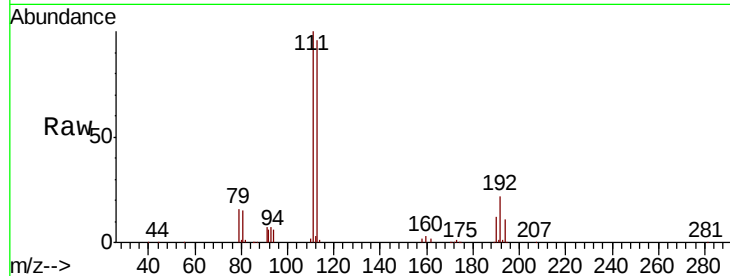




#35
 Dibromofluoromethane
 Concen: 52.341 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: VY002599.D
 Acq: 05 May 2020 19:57

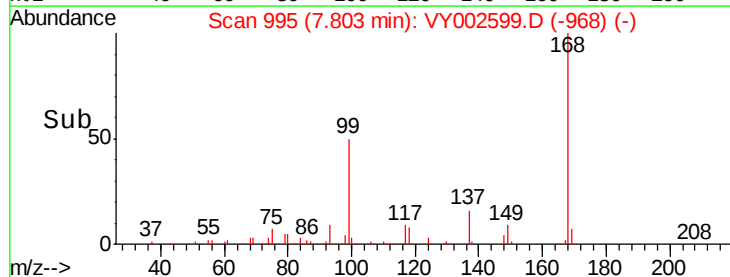
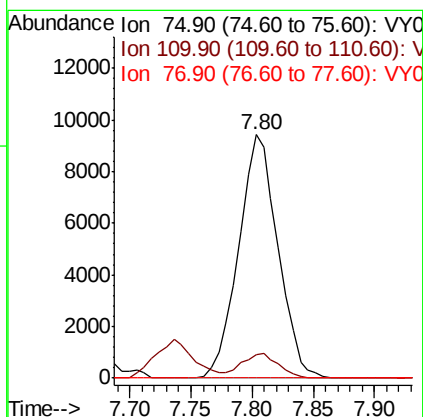
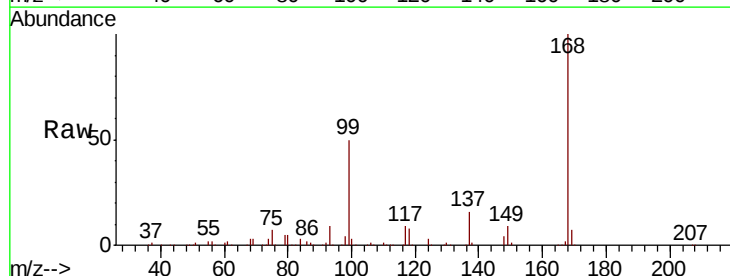
Instrument :
 MSVOA_Y
 ClientSampleId :

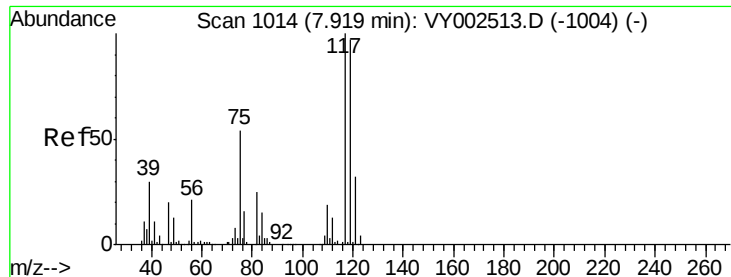
Tot Ion:113 Resp: 155883
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.8 122.6
 192 22.7 18.2 27.4



#36
 1,1-Dichloropropene
 Concen: 4.811 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002599.D
 Acq: 05 May 2020 19:57

Tgt Ion: 75 Resp: 21003
 Ion Ratio Lower Upper
 75 100
 110 9.3 19.1 57.3#
 77 0.0 24.6 37.0#

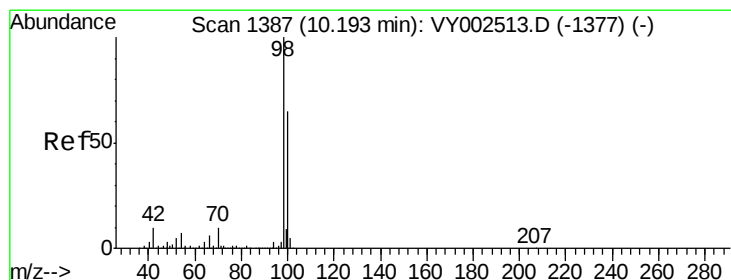
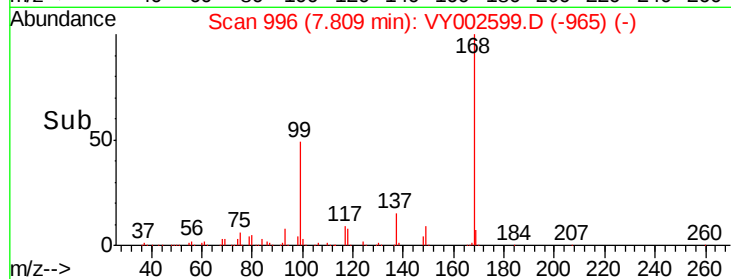
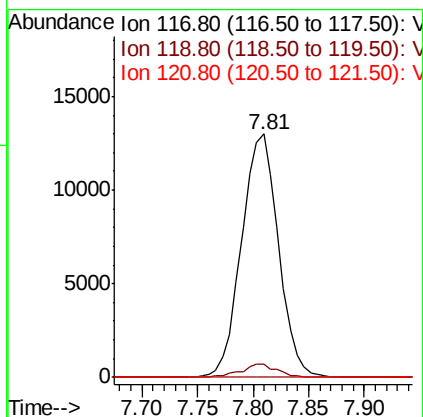
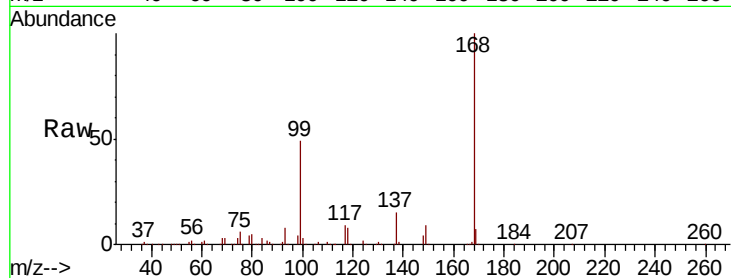




#38
Carbon Tetrachloride
Concen: 6.286 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.11 min
Lab File: VY002599.D
Acq: 05 May 2020 19:57

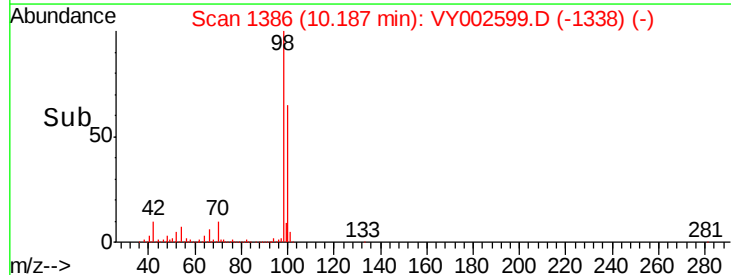
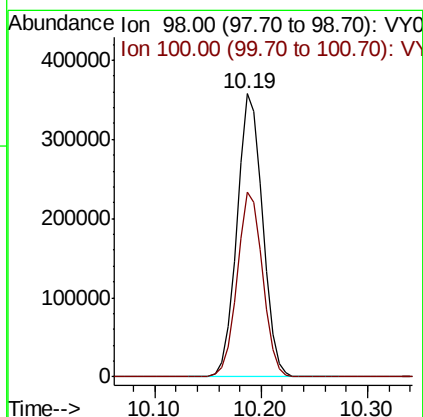
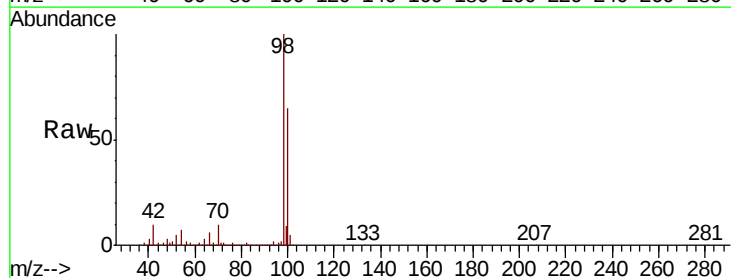
Instrument :
MSVOA_Y
ClientSampleId :

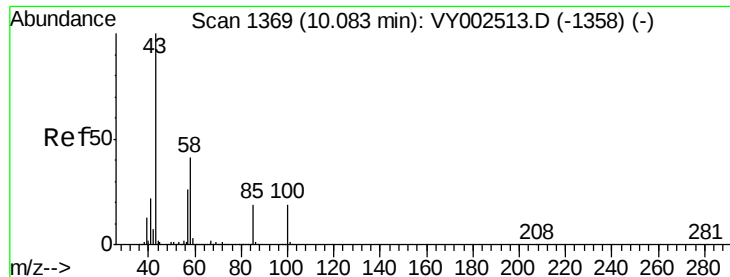
Tot Ion:117 Resp: 29962
Ion Ratio Lower Upper
117 100
119 5.2 77.1 115.7#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 52.057 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY002599.D
Acq: 05 May 2020 19:57

Tgt Ion: 98 Resp: 605444
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2

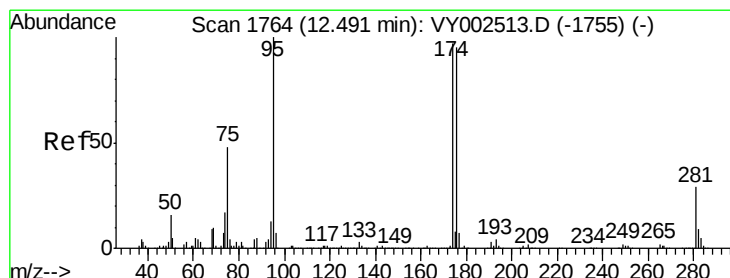
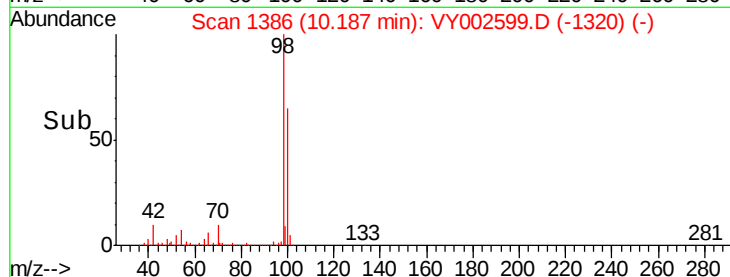
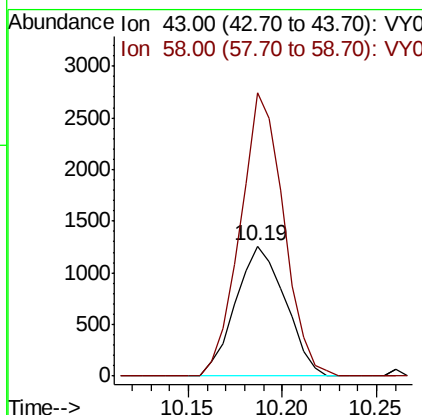
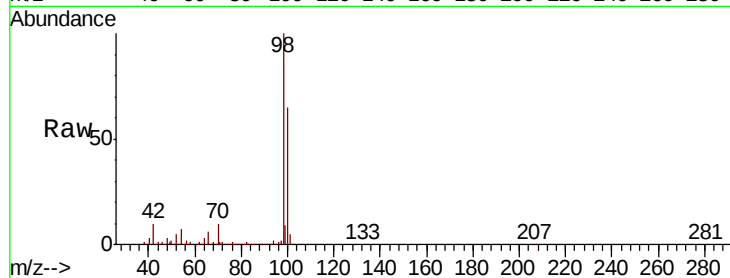




#51
4-Methyl-2-Pentanone
Concen: 1.062 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.10 min
Lab File: VY002599.D
Acq: 05 May 2020 19:57

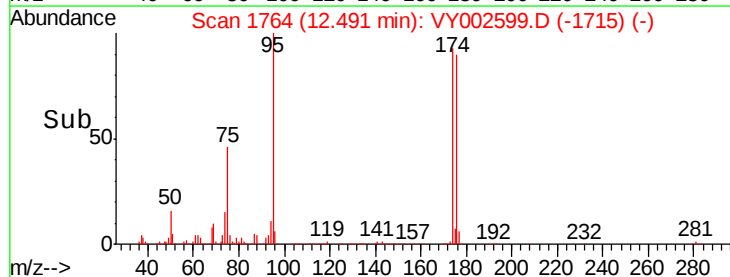
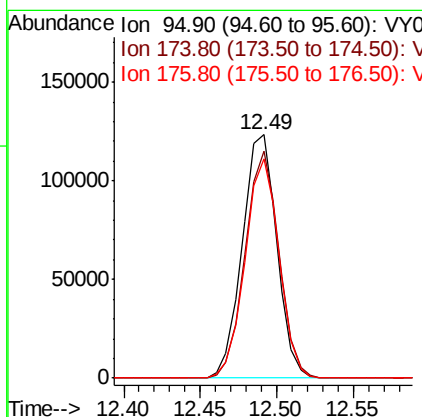
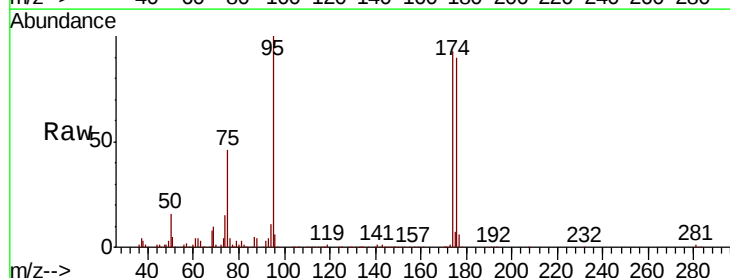
Instrument :
MSVOA_Y
ClientSampled :

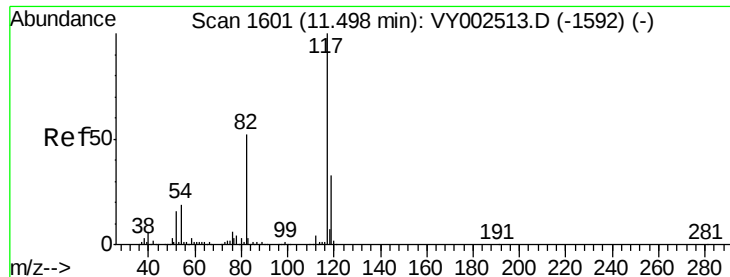
Tot Ion: 43 Resp: 2303
Ion Ratio Lower Upper
43 100
58 190.4 33.2 49.8#



#62
4-Bromofluorobenzene
Concen: 49.012 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VY002599.D
Acq: 05 May 2020 19:57

Tgt Ion: 95 Resp: 193424
Ion Ratio Lower Upper
95 100
174 91.1 0.0 188.8
176 88.7 0.0 183.2

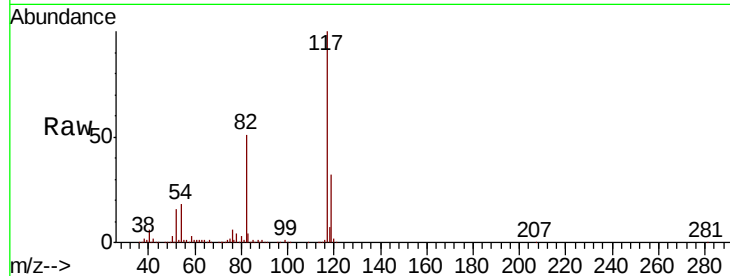




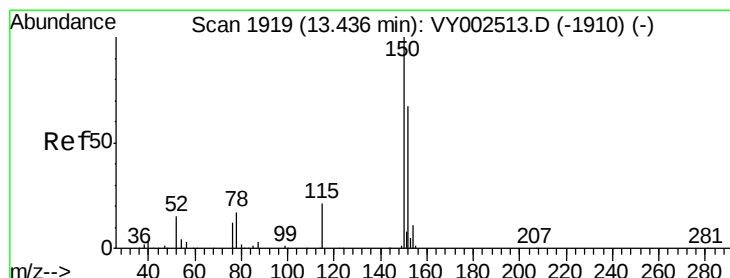
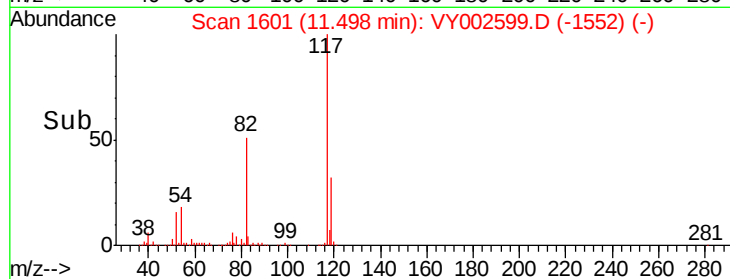
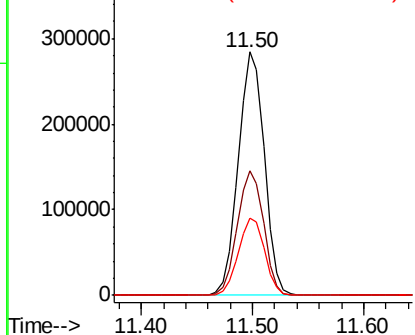
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002599.D
Acq: 05 May 2020 19:57

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.3	61.9
119	31.8	26.0	39.0

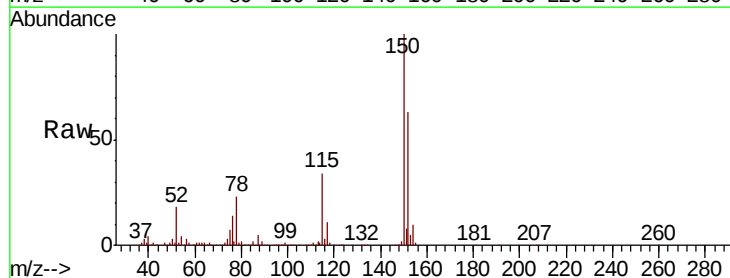


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

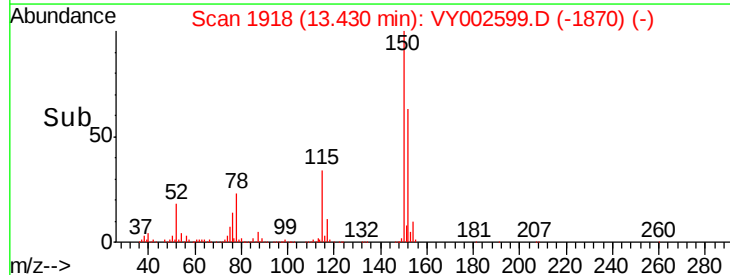
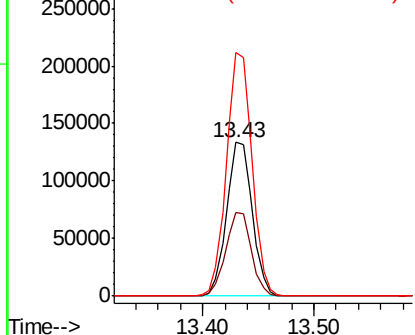


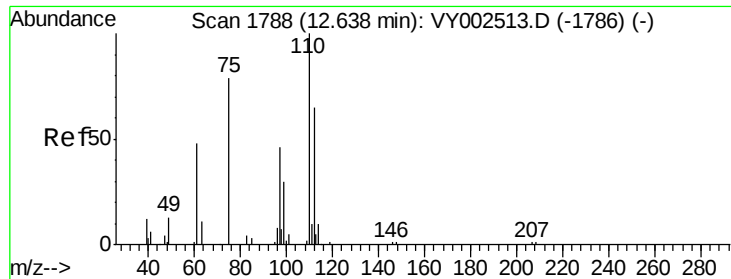
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002599.D
Acq: 05 May 2020 19:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.5	82.4
150	158.1	0.0	346.4



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: 49.233 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002599.D

Acq: 05 May 2020 19:57

Instrument :

MSVOA_Y

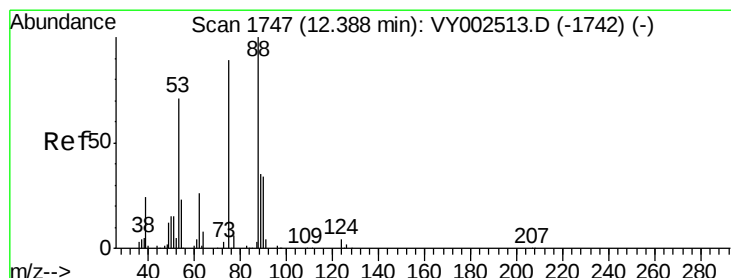
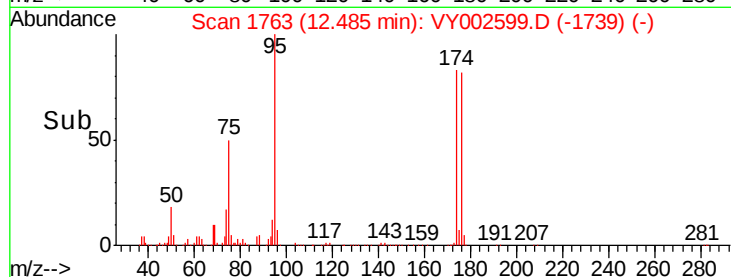
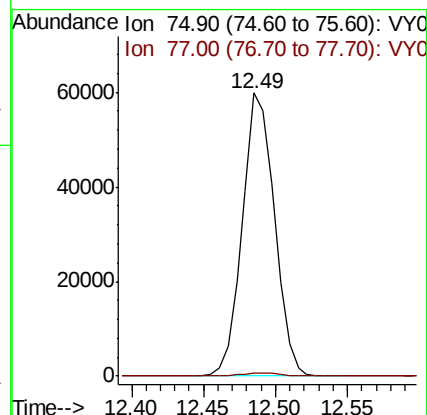
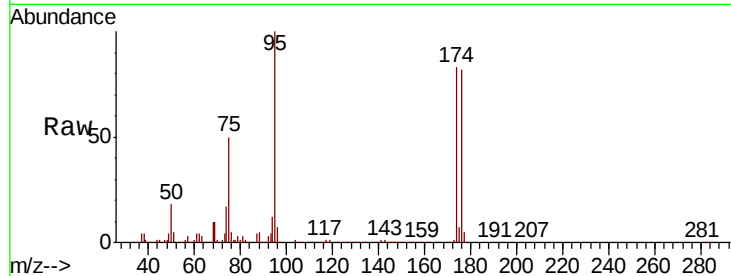
ClientSampleId :

Tot Ion: 75 Resp: 92670

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 98.722 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002599.D

Acq: 05 May 2020 19:57

Tgt Ion: 75 Resp: 92670

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.0 37.4 56.0#

