

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031920\
 Data File : VY002020.D
 Acq On : 19 Mar 2020 14:43
 Operator : SY/MD
 Sample : L1978-06RE
 Misc : 5.15G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-6ARE

Quant Time: Mar 20 01:57:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	38649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	68354	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	57405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	23267	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	20878	50.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.20%	
35) Dibromofluoromethane	7.74	113	19364	51.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.76%	
50) Toluene-d8	10.19	98	83071	52.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.56%	
62) 4-Bromofluorobenzene	12.49	95	24058	43.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.92%	

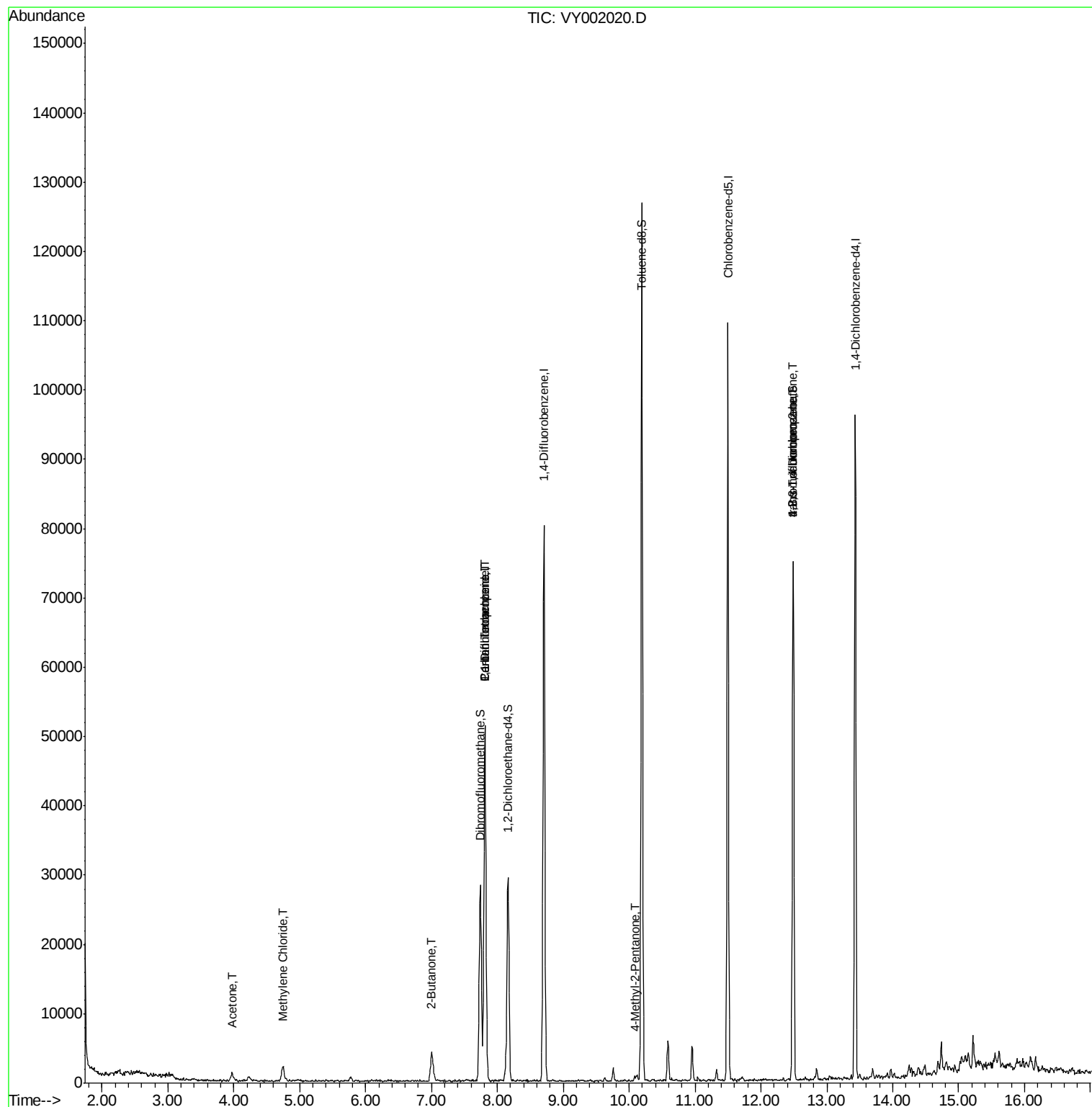
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.66	94	21	Below Cal	#	4
11) Tert butyl alcohol	4.96	59	118	Below Cal	#	74
16) Acetone	3.97	43	1940	16.143	ug/l	96
20) Methylene Chloride	4.75	84	1561	3.031	ug/l	89
25) 2-Butanone	7.01	43	525	2.873	ug/l	# 89
36) 1,1-Dichloropropene	7.81	75	3392	5.157	ug/l	# 50
38) Carbon Tetrachloride	7.82	117	3915	6.967	ug/l	# 15
51) 4-Methyl-2-Pentanone	10.09	43	668	1.792	ug/l	# 81
76) 1,2,3-Trichloropropane	12.49	75	12442	45.067	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.49	75	12442	91.033	ug/l	# 17

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

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TP-6ARE

Quant Time: Mar 20 01:57:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002020.D

Acq: 19 Mar 2020 14:43

Instrument :

MSVOA_Y

ClientSampleId :

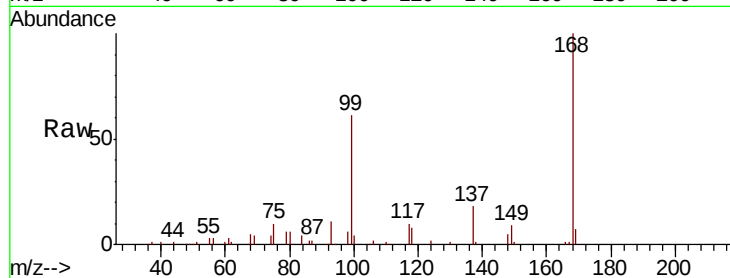
TP-6ARE

Tot Ion:168 Resp: 38649

Ion Ratio Lower Upper

168 100

99 60.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.81

15000

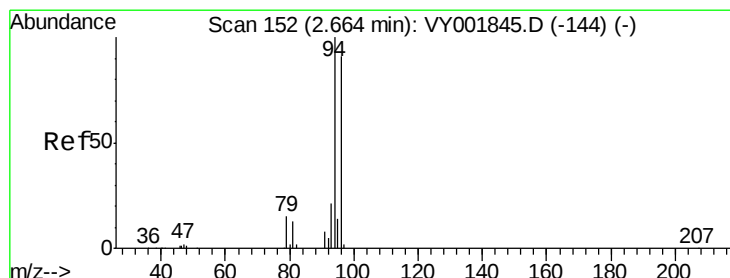
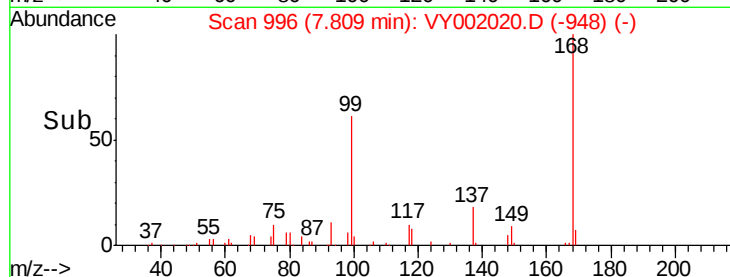
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5000

0

Time-->

7.70 7.75 7.80 7.85 7.90



#5

Bromomethane

Concen: Below Cal

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY002020.D

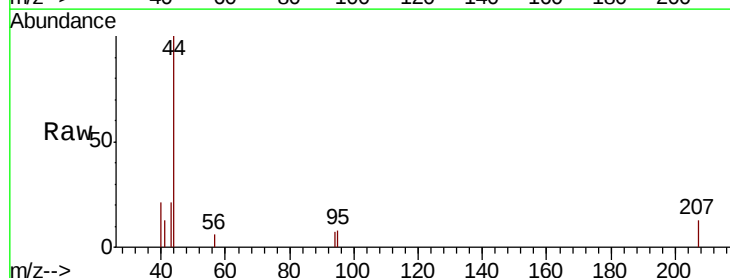
Acq: 19 Mar 2020 14:43

Tgt Ion: 94 Resp: 21

Ion Ratio Lower Upper

94 100

96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)

2.66

60

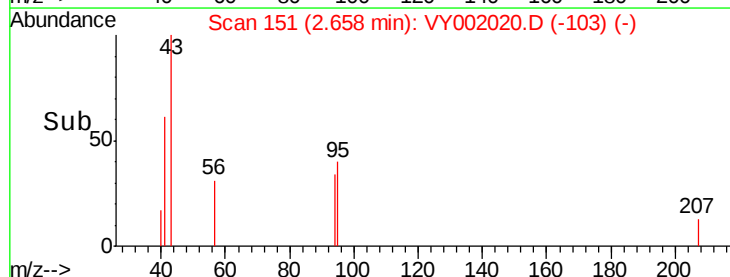
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20

0

Time-->

2.64 2.65 2.66 2.67



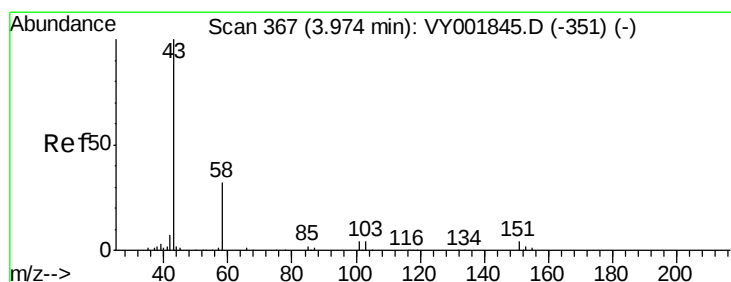
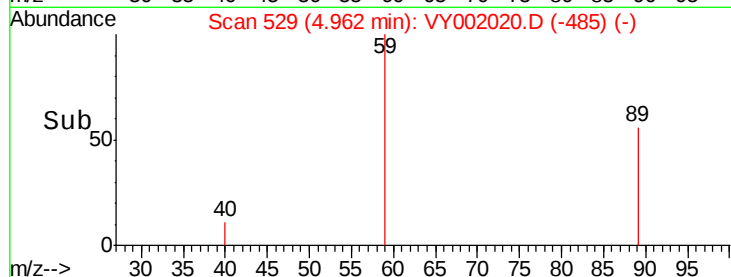
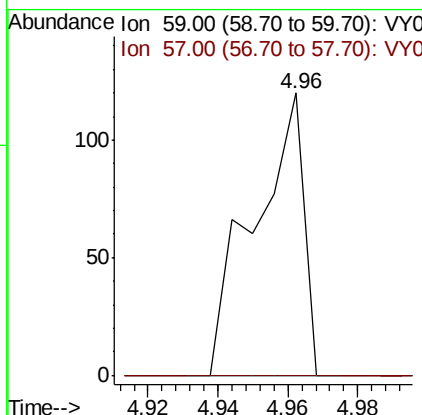
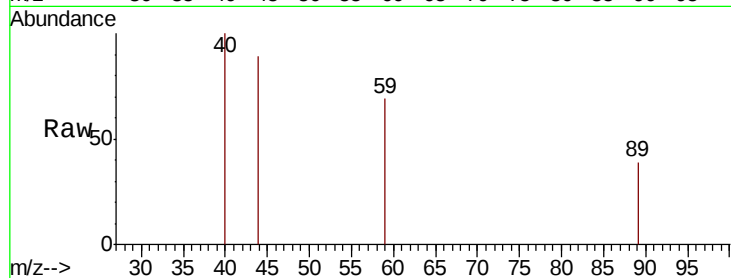


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.96 min Scan# 529
 Delta R.T. -0.03 min
 Lab File: VY002020.D
 Acq: 19 Mar 2020 14:43

Instrument :
 MSVOA_Y
 ClientSampled :
 TP-6ARE

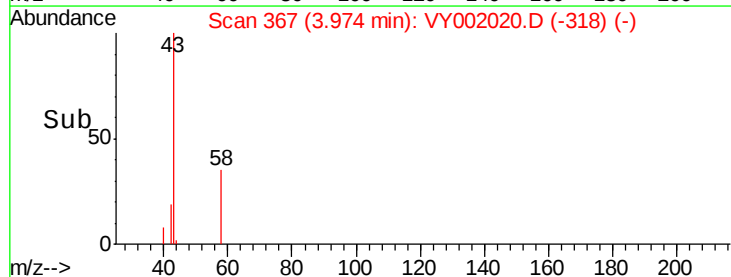
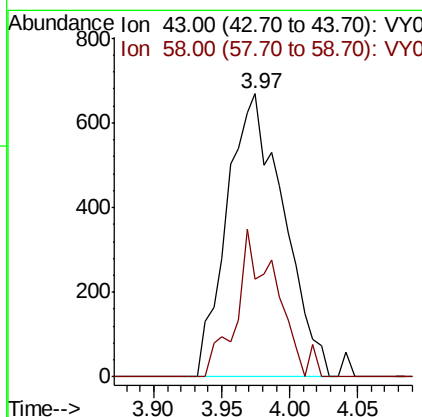
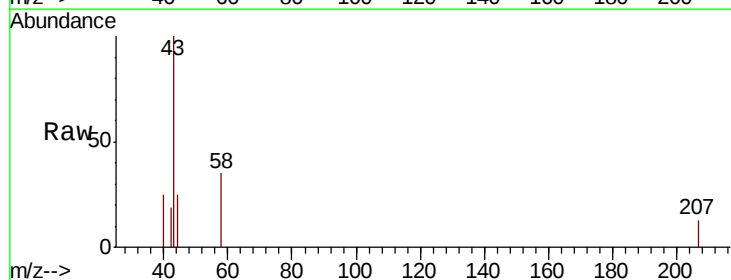
Tot Ion: 59 Resp: 118
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

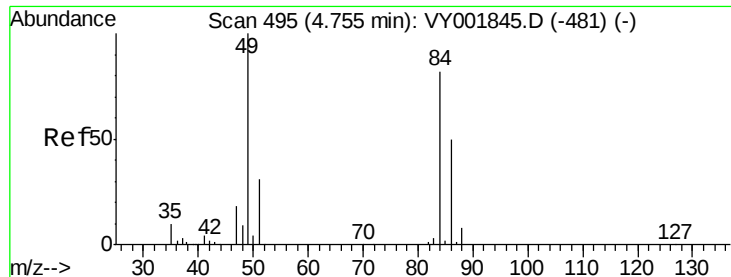


#16

Acetone
 Concen: 16.143 ug/l
 RT: 3.97 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VY002020.D
 Acq: 19 Mar 2020 14:43

Tgt Ion: 43 Resp: 1940
 Ion Ratio Lower Upper
 43 100
 58 34.6 25.9 38.9

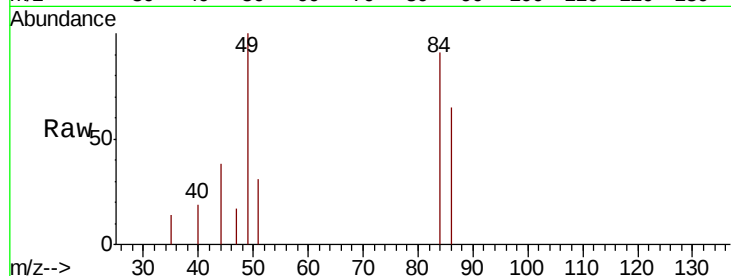




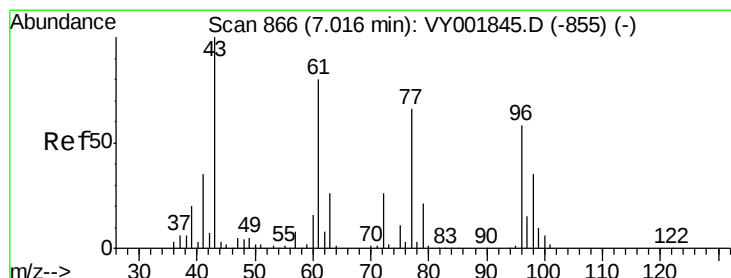
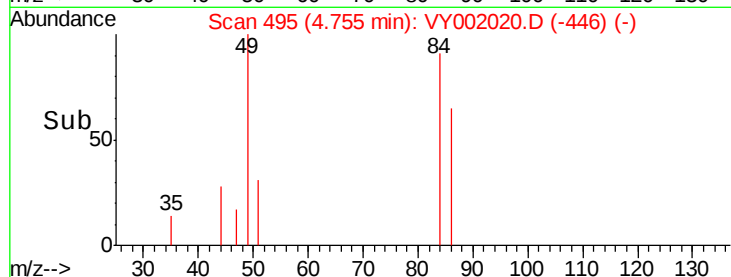
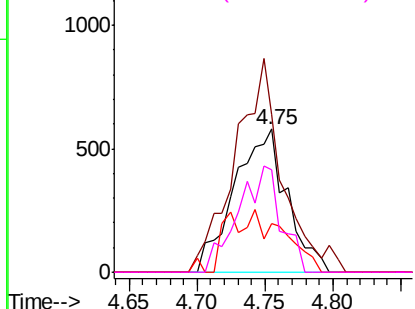
#20
Methylene Chloride
Concen: 3.031 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.00 min
Lab File: VY002020.D
Acq: 19 Mar 2020 14:43

Instrument :
MSVOA_Y
ClientSampled :
TP-6ARE

Tot Ion: 84 Resp: 1561
Ion Ratio Lower Upper
84 100
49 109.7 98.2 147.2
51 34.3 30.2 45.2
86 71.4 48.9 73.3

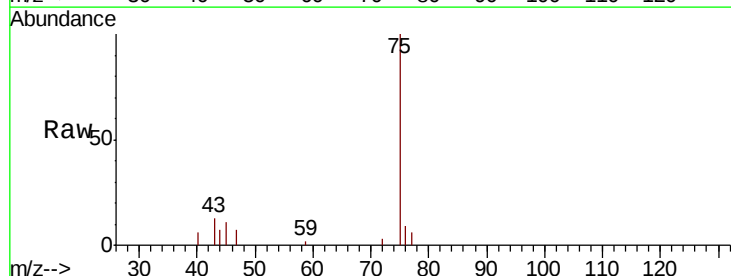


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

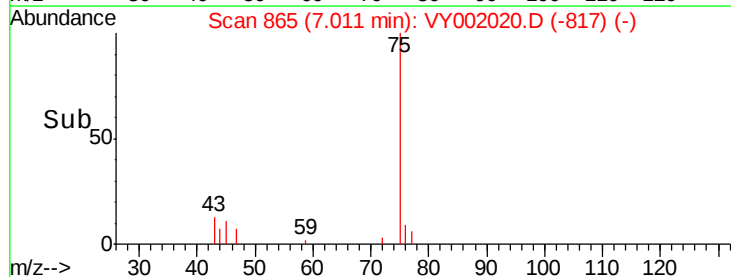
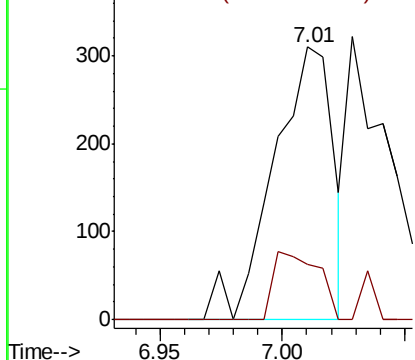


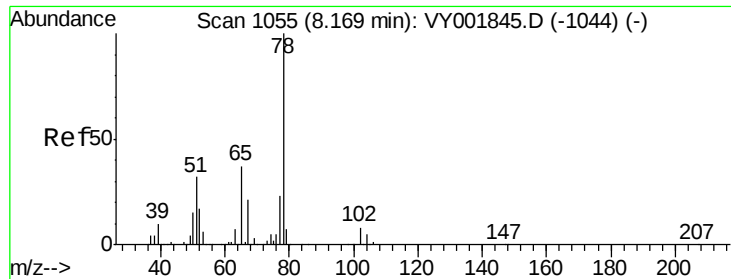
#25
2-Butanone
Concen: 2.873 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY002020.D
Acq: 19 Mar 2020 14:43

Tgt Ion: 43 Resp: 525
Ion Ratio Lower Upper
43 100
72 20.3 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0

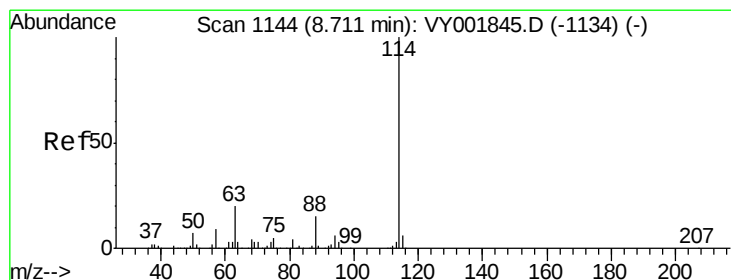
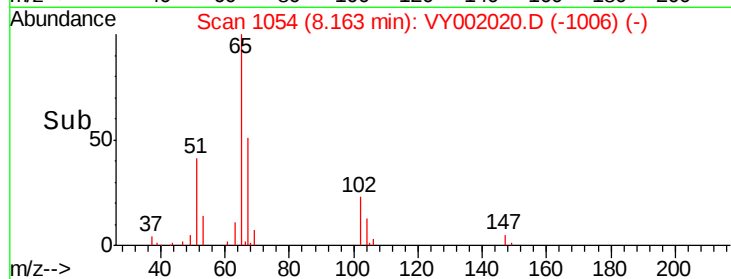
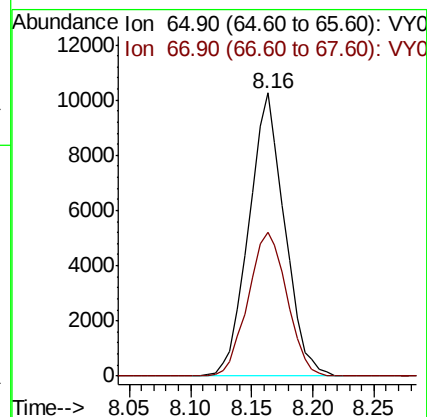
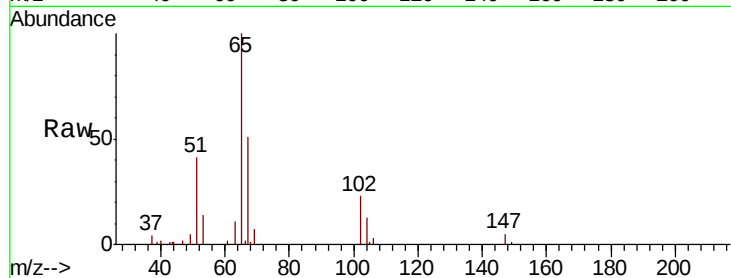




#33
 1,2-Dichloroethane-d4
 Concen: 50.601 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY002020.D
 Acq: 19 Mar 2020 14:43

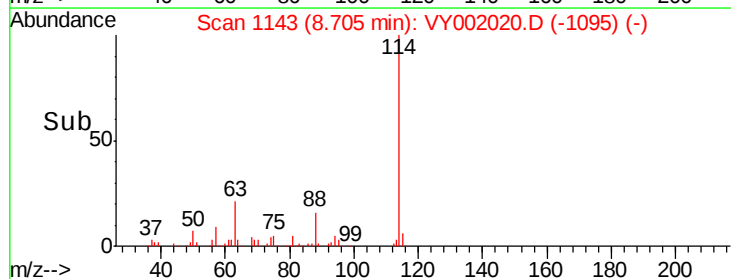
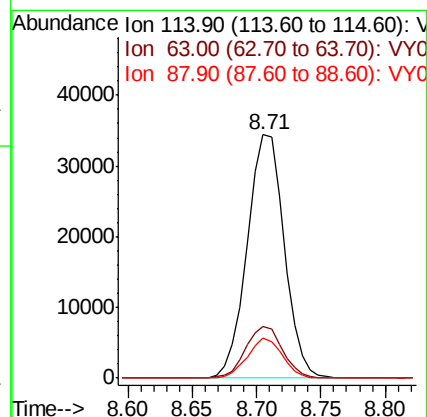
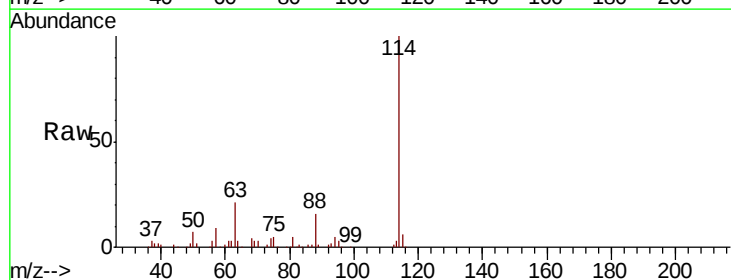
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-6ARE

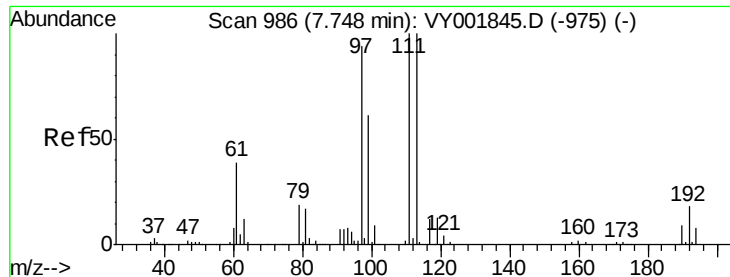
Tot Ion: 65 Resp: 20878
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY002020.D
 Acq: 19 Mar 2020 14:43

Tgt Ion: 114 Resp: 68354
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 39.4
 88 16.4 0.0 30.4

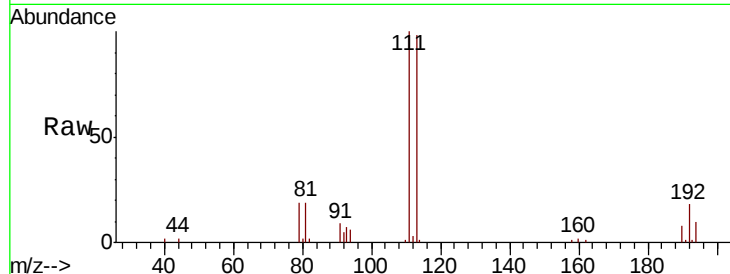




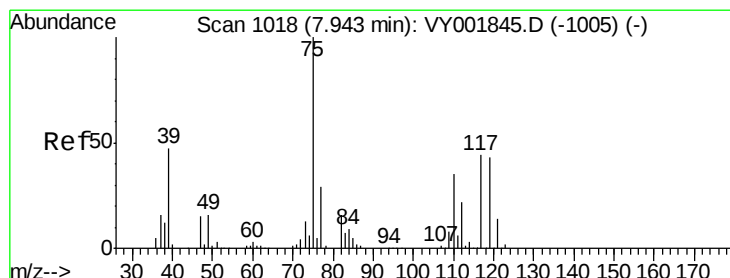
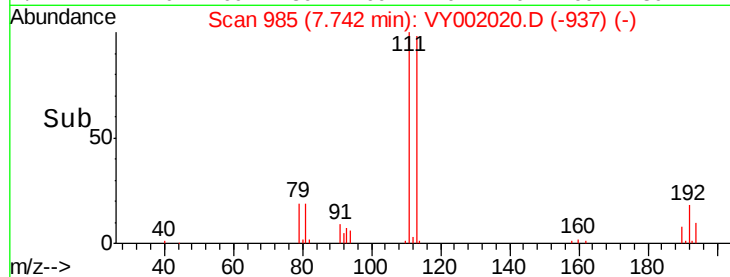
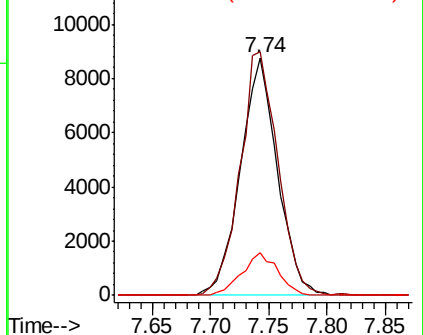
#35
 Dibromofluoromethane
 Concen: 51.880 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY002020.D
 Acq: 19 Mar 2020 14:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-6ARE

Tot Ion:113 Resp: 19364
 Ion Ratio Lower Upper
 113 100
 111 104.8 81.8 122.8
 192 17.4 14.2 21.2

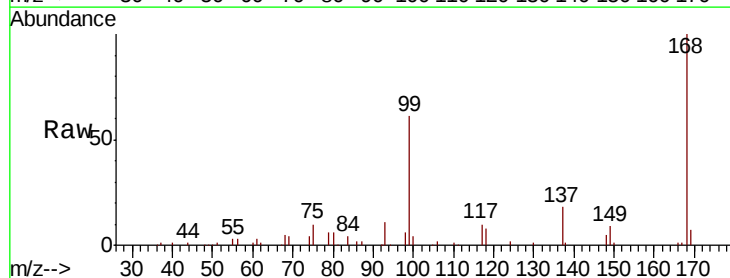


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

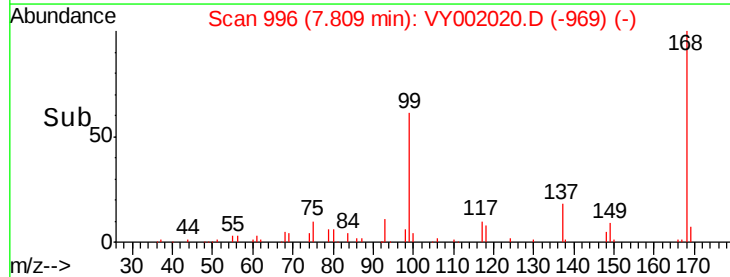
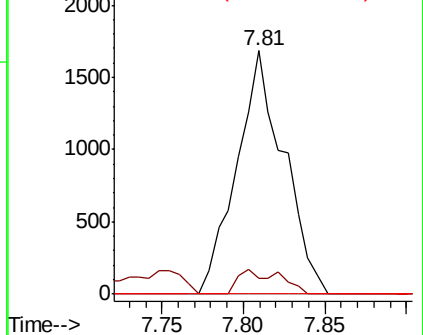


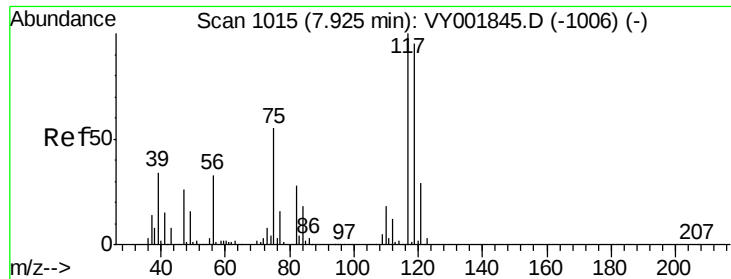
#36
 1,1-Dichloropropene
 Concen: 5.157 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY002020.D
 Acq: 19 Mar 2020 14:43

Tgt Ion: 75 Resp: 3392
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.4 52.2#
 77 0.0 24.2 36.2#



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

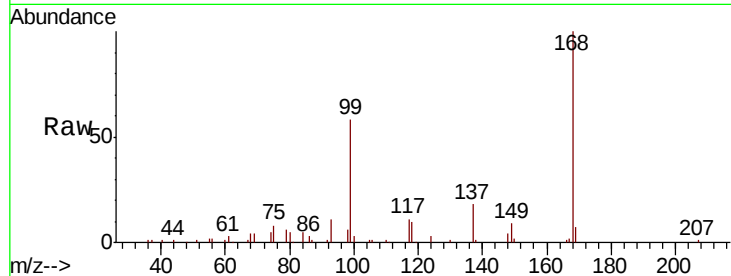




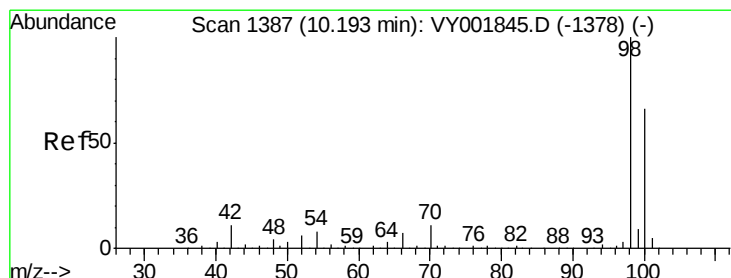
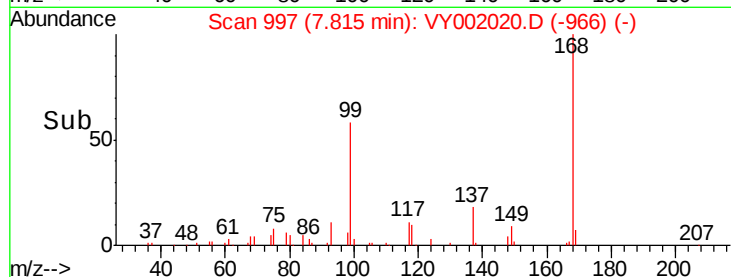
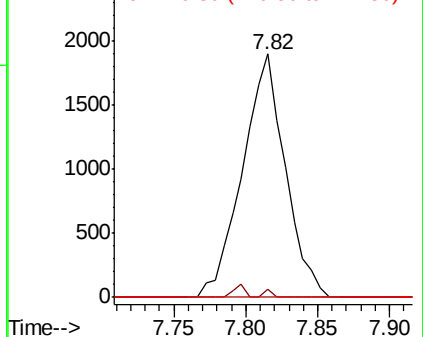
#38
Carbon Tetrachloride
Concen: 6.967 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.11 min
Lab File: VY002020.D
Acq: 19 Mar 2020 14:43

Instrument :
MSVOA_Y
ClientSampleId :
TP-6ARE

Tot Ion:117 Resp: 3915
Ion Ratio Lower Upper
117 100
119 3.1 76.3 114.5#
121 0.0 23.5 35.3#

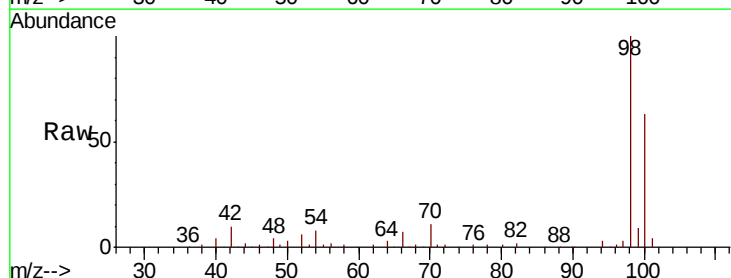


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

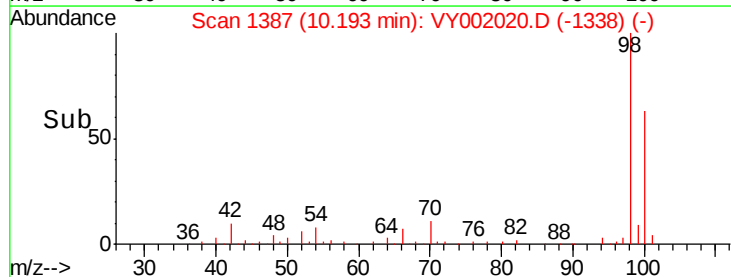
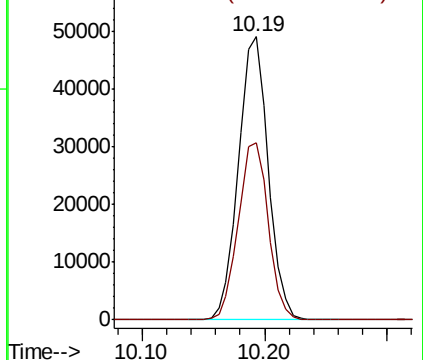


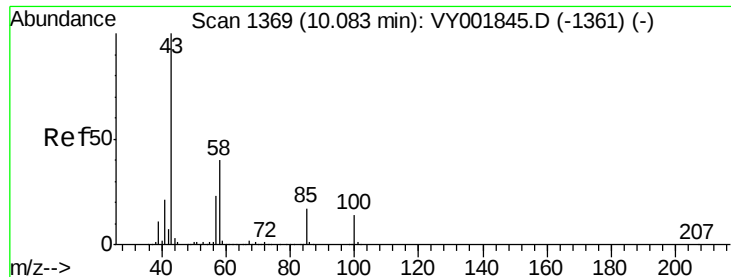
#50
Toluene-d8
Concen: 52.780 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY002020.D
Acq: 19 Mar 2020 14:43

Tgt Ion: 98 Resp: 83071
Ion Ratio Lower Upper
98 100
100 63.2 53.0 79.4



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





#51

4-Methyl-2-Pentanone

Concen: 1.792 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY002020.D

Acq: 19 Mar 2020 14:43

Instrument :

MSVOA_Y

ClientSampleId :

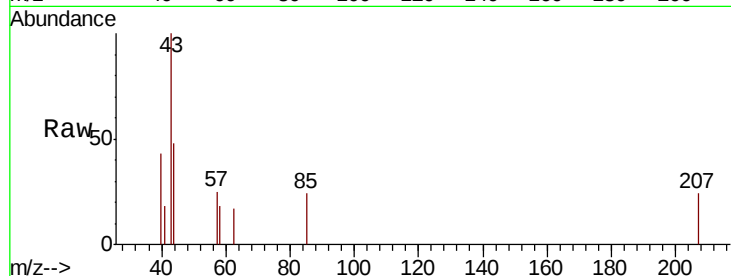
TP-6ARE

Tot Ion: 43 Resp: 668

Ion Ratio Lower Upper

43 100

58 28.1 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

500

400

300

200

100

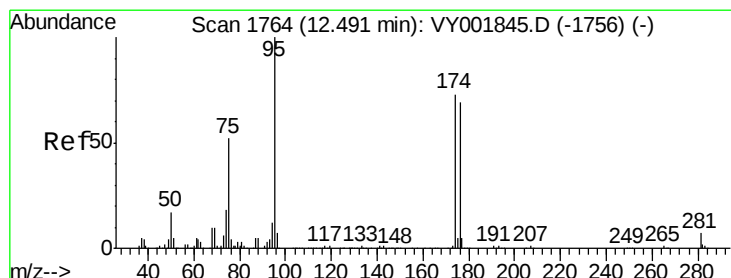
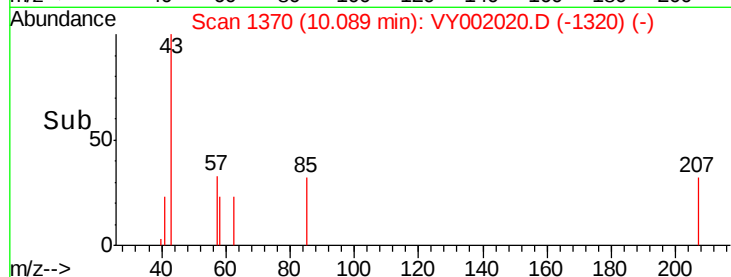
0

10.05

10.10

10.15

Time-->



#62

4-Bromofluorobenzene

Concen: 43.960 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002020.D

Acq: 19 Mar 2020 14:43

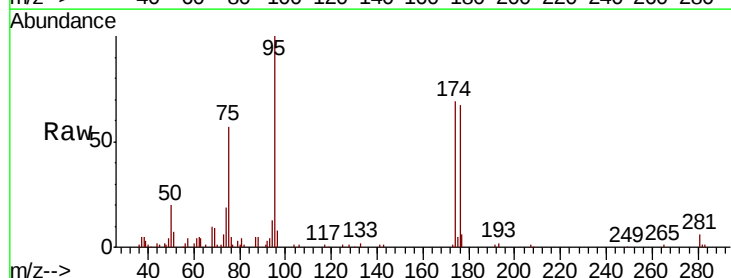
Tgt Ion: 95 Resp: 24058

Ion Ratio Lower Upper

95 100

174 74.6 0.0 145.0

176 70.6 0.0 137.4



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

20000

15000

10000

5000

0

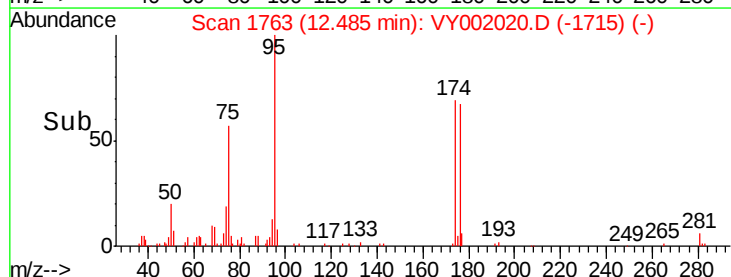
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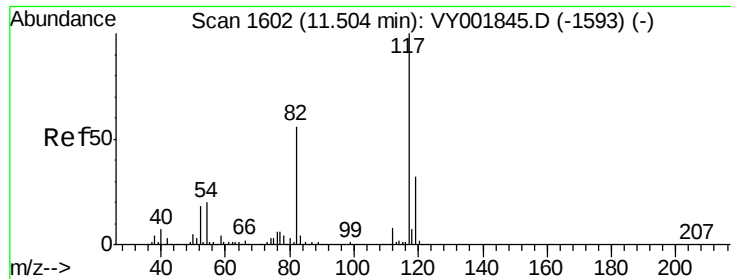
12.45

12.50

12.55

Time-->

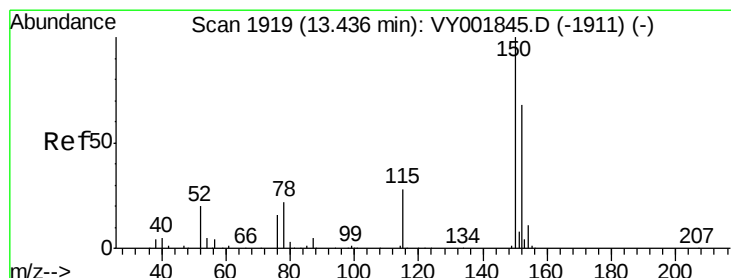
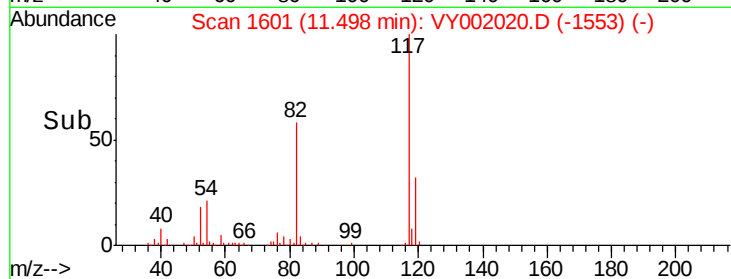
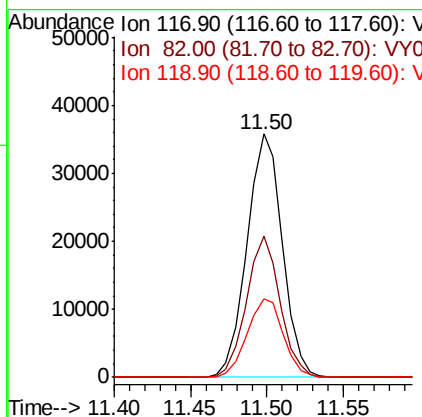
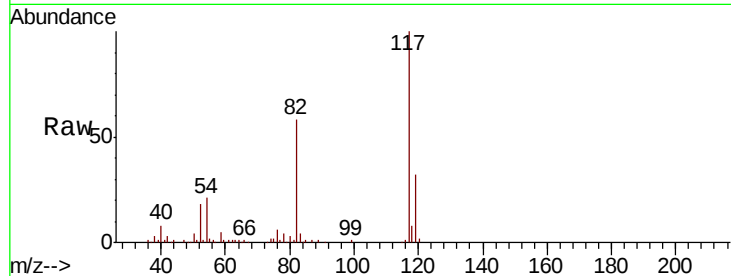




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002020.D
Acq: 19 Mar 2020 14:43

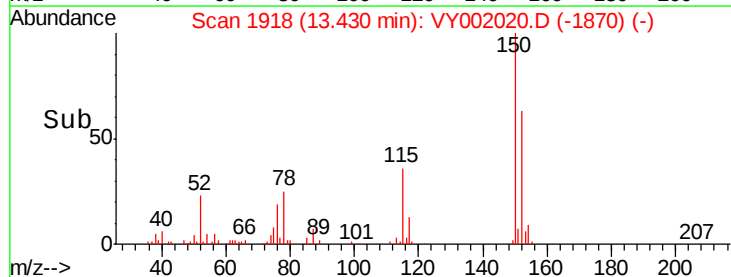
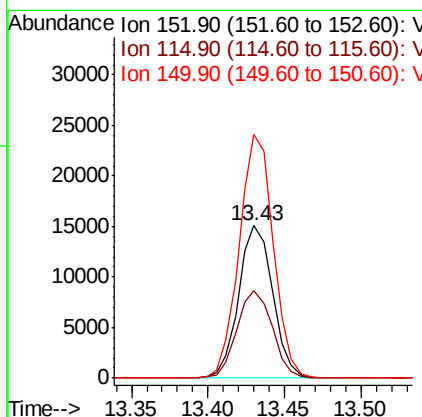
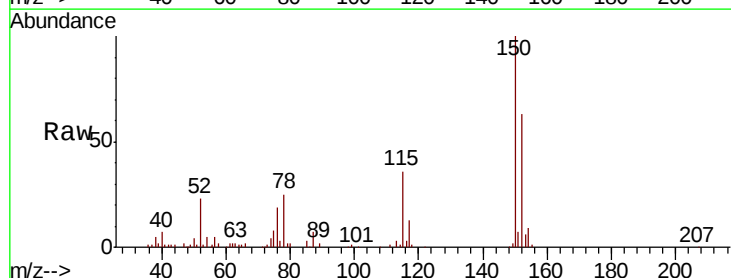
Instrument :
MSVOA_Y
ClientSampleId :
TP-6ARE

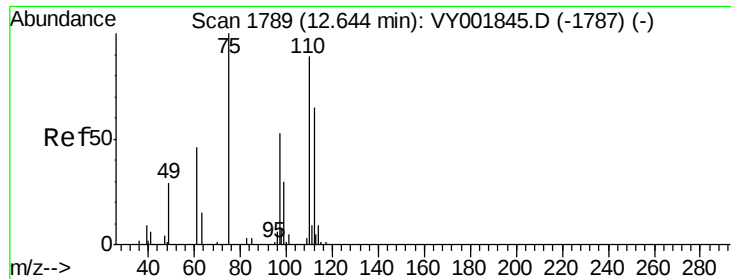
Tot Ion:117 Resp: 57405
Ion Ratio Lower Upper
117 100
82 58.1 44.5 66.7
119 32.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002020.D
Acq: 19 Mar 2020 14:43

Tgt Ion:152 Resp: 23267
Ion Ratio Lower Upper
152 100
115 59.3 29.9 89.7
150 159.5 0.0 340.6





#76

1,2,3-Trichloropropane

Concen: 45.067 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY002020.D

Acq: 19 Mar 2020 14:43

Instrument :

MSVOA_Y

ClientSampleId :

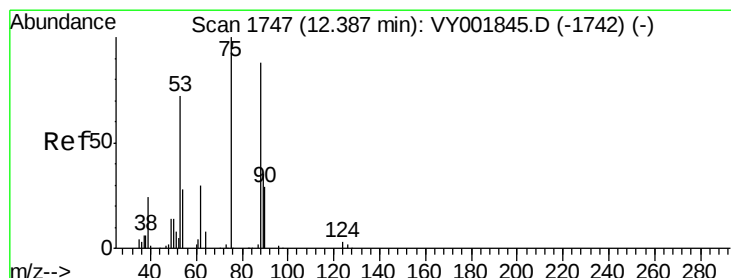
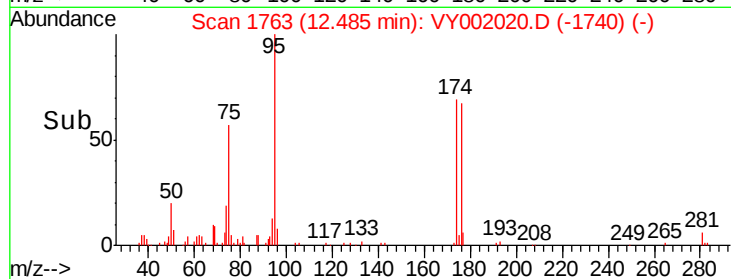
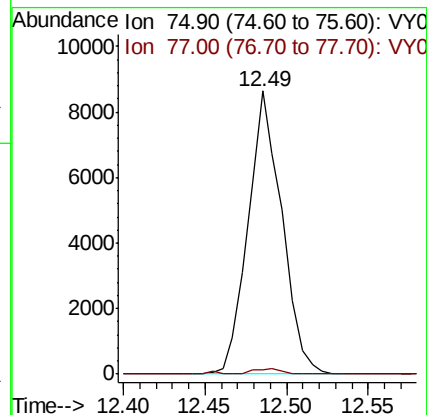
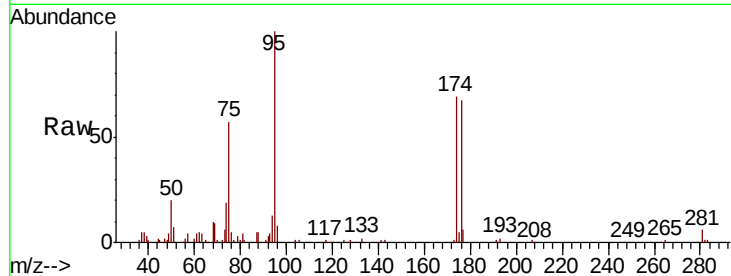
TP-6ARE

Tot Ion: 75 Resp: 12442

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.033 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002020.D

Acq: 19 Mar 2020 14:43

Tgt Ion: 75 Resp: 12442

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#

