

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031920\
 Data File : VY002027.D
 Acq On : 19 Mar 2020 17:47
 Operator : SY/MD
 Sample : L1762-18
 Misc : 9.36G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-031920

Quant Time: Mar 20 01:58:42 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	7.82	168	140990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	274194	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	229427	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	79541	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	89583	59.52	ug/l	0.00
Spiked Amount			Recovery	=	119.04%	
35) Dibromofluoromethane	7.74	113	79537	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	
50) Toluene-d8	10.19	98	322340	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.49	95	96212	43.83	ug/l	0.00
Spiked Amount			Recovery	=	87.66%	

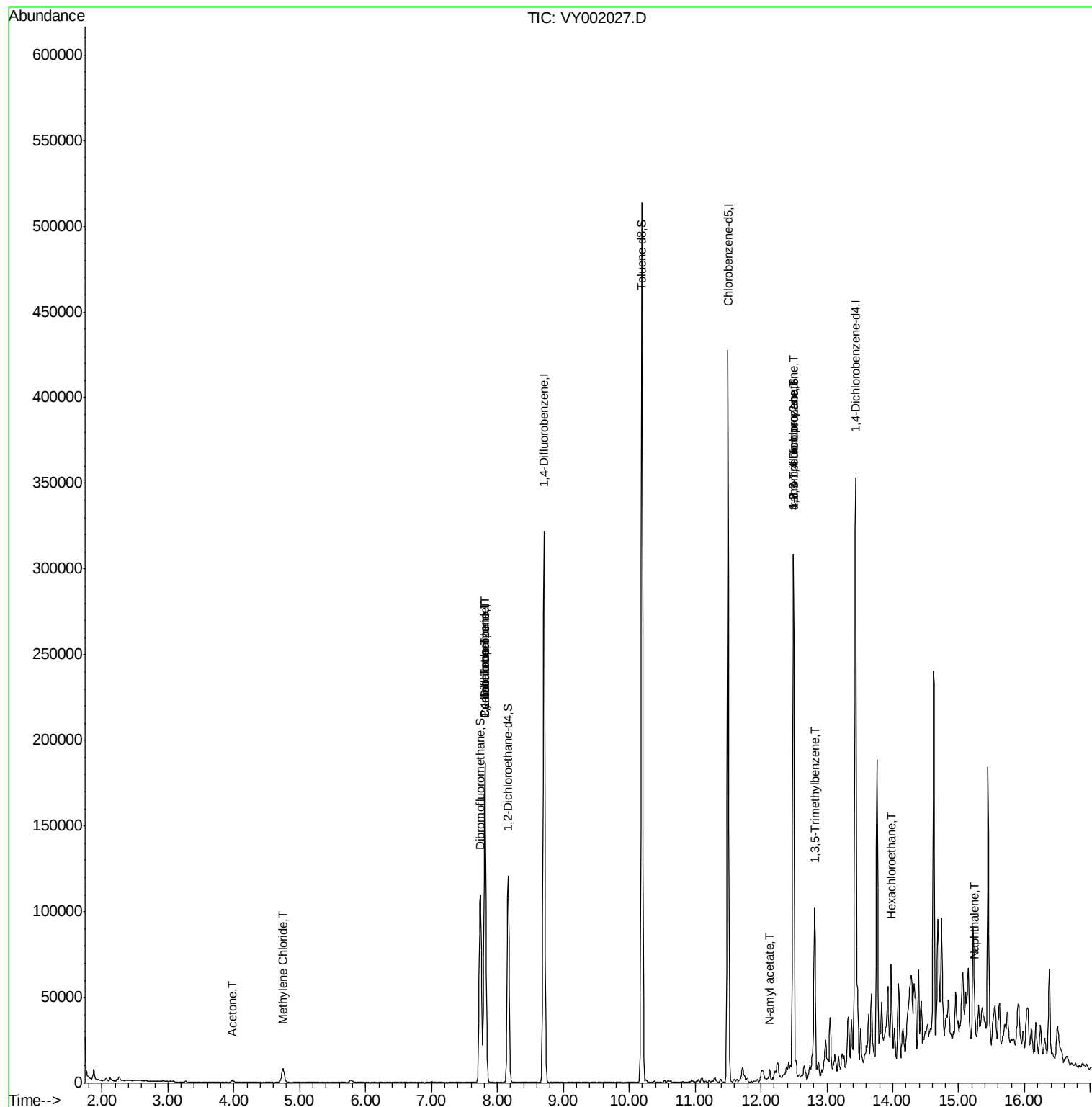
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.69	94	44	Below Cal	#	4
11) Tert butyl alcohol	4.99	59	46	Below Cal	#	74
16) Acetone	3.97	43	2376	5.420	ug/l	90
20) Methylene Chloride	4.75	84	6211	3.306	ug/l	90
31) Cyclohexane	7.81	56	3335	1.008	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	11827	4.482	ug/l #	49
38) Carbon Tetrachloride	7.81	117	14144	6.275	ug/l #	15
74) N-amyl acetate	12.13	43	1946	1.043	ug/l #	69
76) 1,2,3-Trichloropropane	12.49	75	50819	53.845	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.82	105	11339	2.268	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.49	75	50819	108.764	ug/l #	17
90) Hexachloroethane	13.98	117	1482	1.488	ug/l #	18
95) Naphthalene	15.25	128	5014	1.423	ug/l #	74

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY002027.D

Acq: 19 Mar 2020 17:47

Instrument :

MSVOA_Y

ClientSampleId :

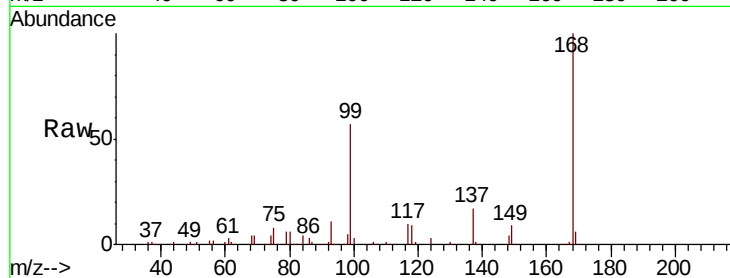
TR-05-031920

Tot Ion:168 Resp: 140990

Ion Ratio Lower Upper

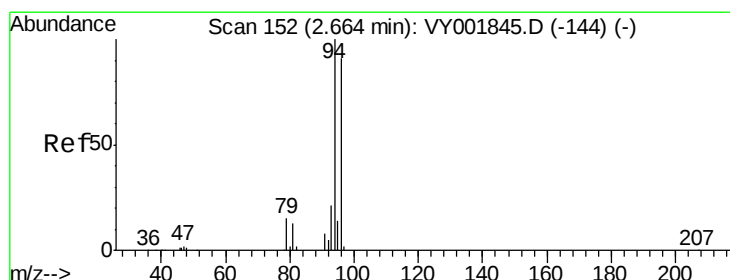
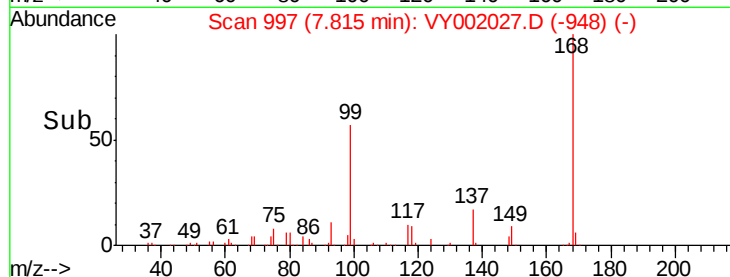
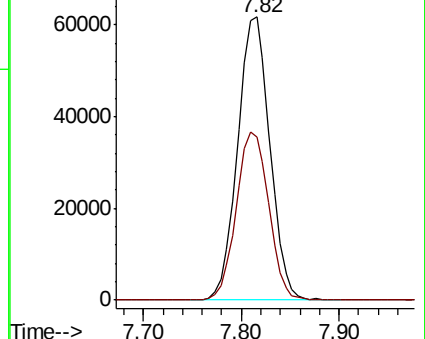
168 100

99 57.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY002027.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY002027.D (-986) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.69 min Scan# 157

Delta R.T. 0.03 min

Lab File: VY002027.D

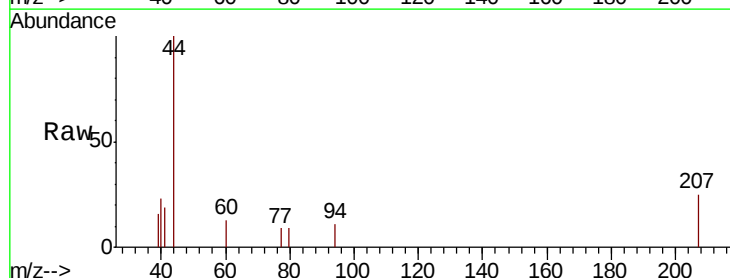
Acq: 19 Mar 2020 17:47

Tgt Ion: 94 Resp: 44

Ion Ratio Lower Upper

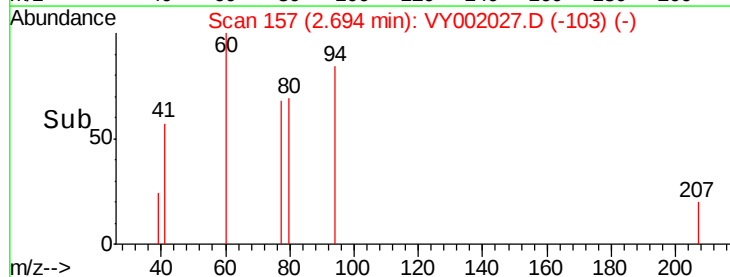
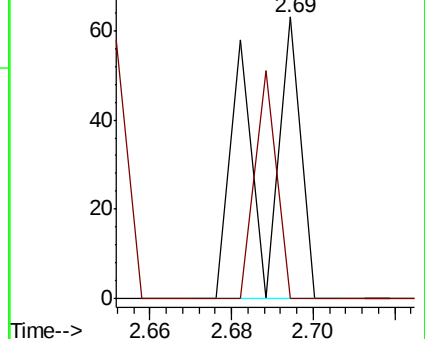
94 100

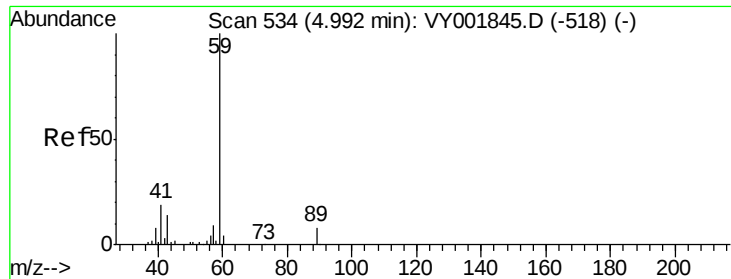
96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY002027.D (-103) (-)

Ion 95.90 (95.60 to 96.60): VY002027.D (-103) (-)



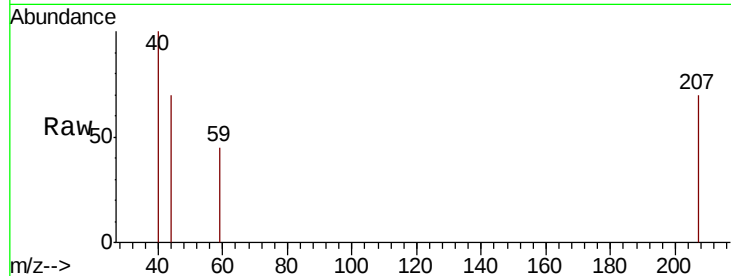


#11

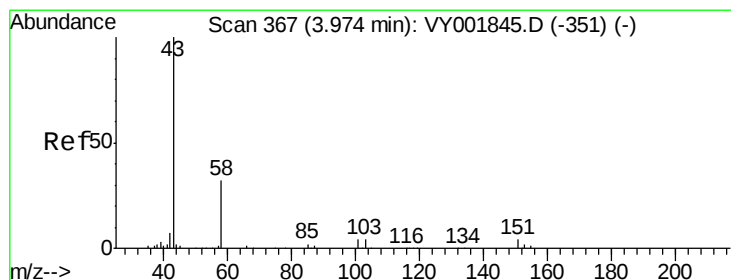
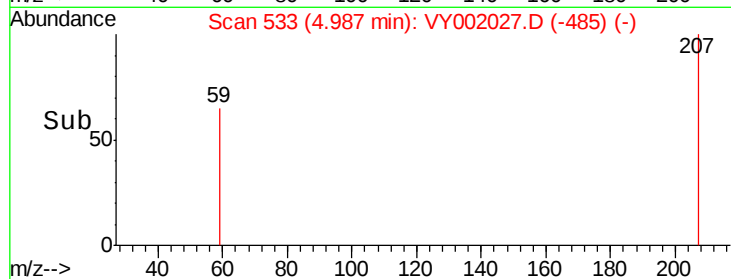
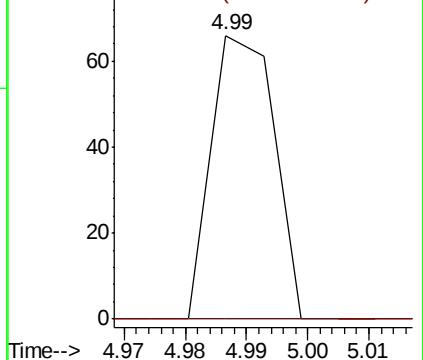
Tert butyl alcohol
 Concen: Below Cal
 RT: 4.99 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VY002027.D
 Acq: 19 Mar 2020 17:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-031920

Tot Ion: 59 Resp: 46
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#



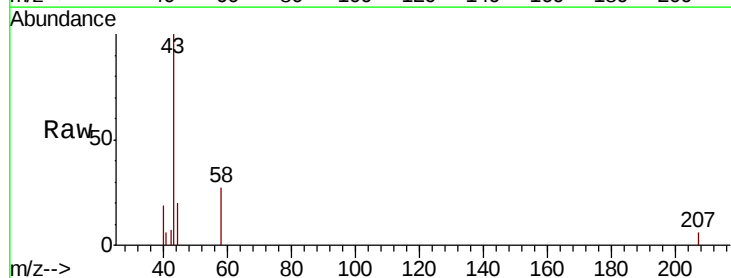
Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



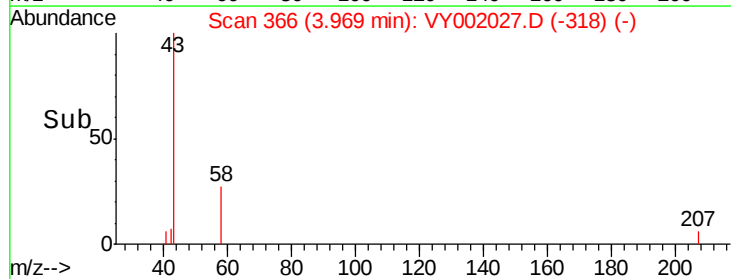
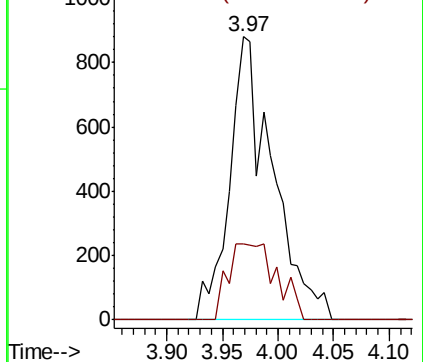
#16

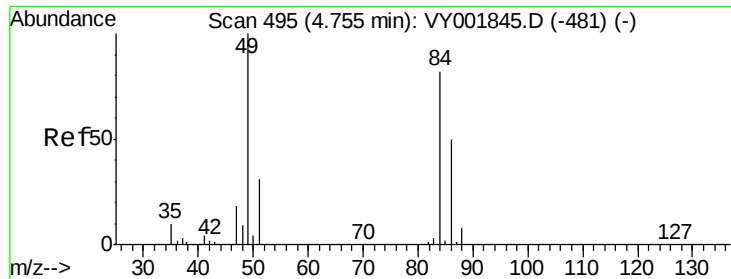
Acetone
 Concen: 5.420 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VY002027.D
 Acq: 19 Mar 2020 17:47

Tgt Ion: 43 Resp: 2376
 Ion Ratio Lower Upper
 43 100
 58 26.7 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

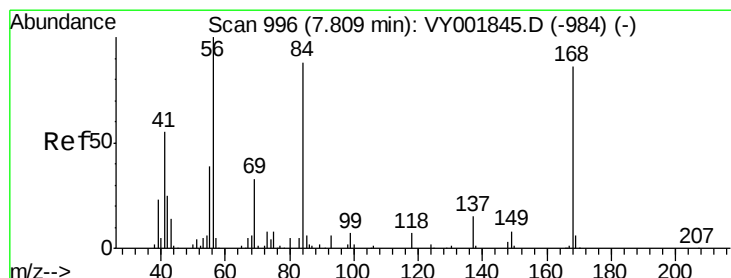
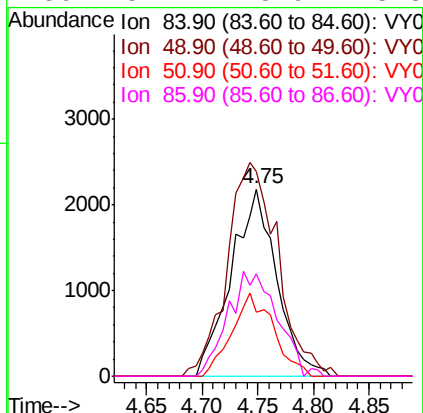
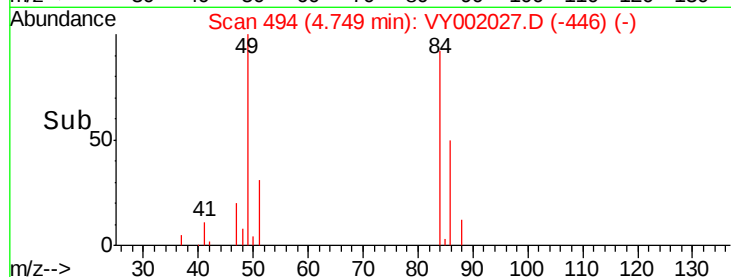
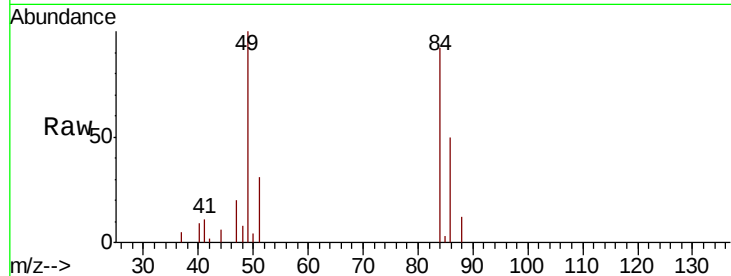




#20
Methvlene Chloride
Concen: 3.306 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY002027.D
Acq: 19 Mar 2020 17:47

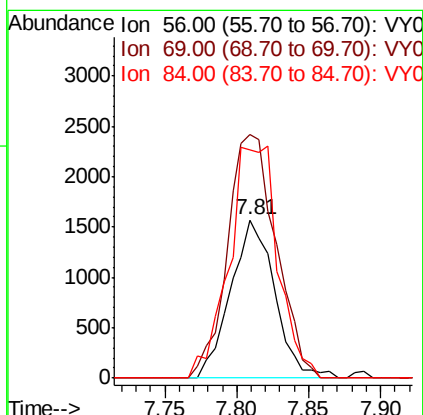
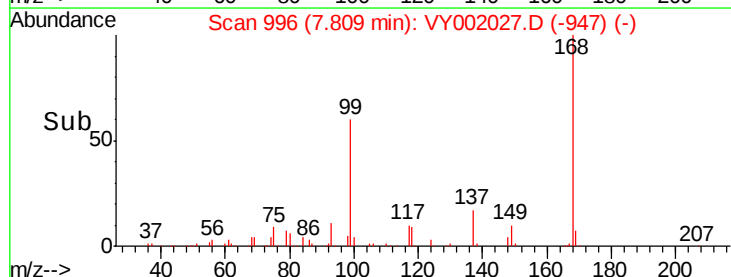
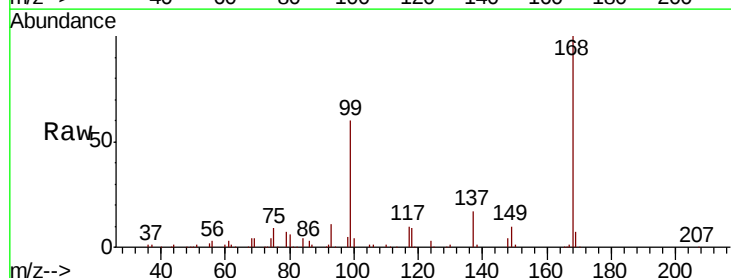
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031920

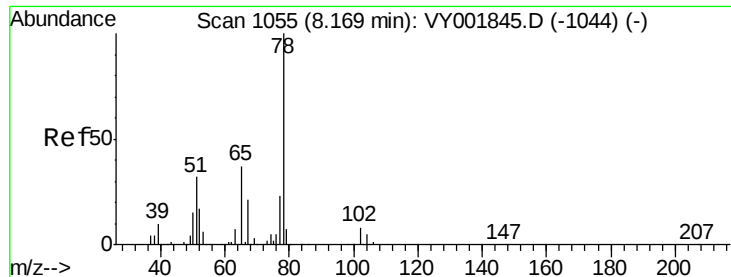
Tot Ion:	84	Resp:	6211
Ion	Ratio	Lower	Upper
84	100		
49	109.2	98.2	147.2
51	34.0	30.2	45.2
86	54.4	48.9	73.3



#31
Cyclohexane
Concen: 1.008 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY002027.D
Acq: 19 Mar 2020 17:47

Tgt Ion:	56	Resp:	3335
Ion	Ratio	Lower	Upper
56	100		
69	153.9	26.7	40.1#
84	144.4	70.4	105.6#





#33

1,2-Dichloroethane-d4

Concen: 59.517 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY002027.D

Acq: 19 Mar 2020 17:47

Instrument :

MSVOA_Y

ClientSampleId :

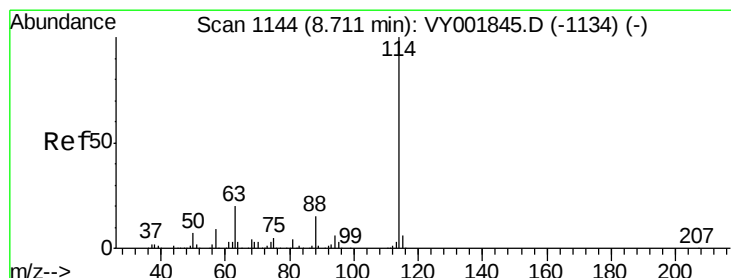
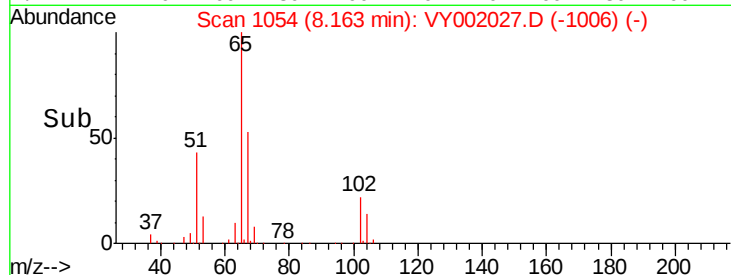
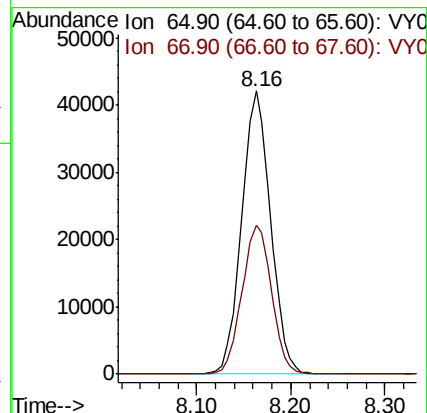
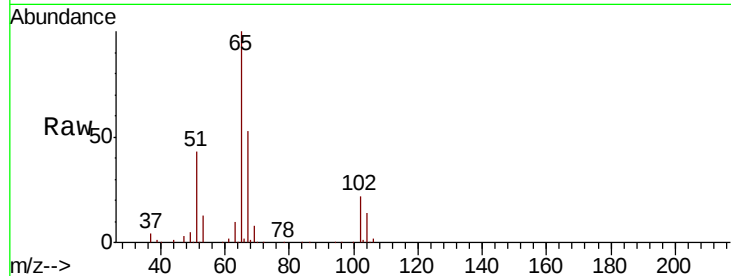
TR-05-031920

Tot Ion: 65 Resp: 89583

Ion Ratio Lower Upper

65 100

67 54.0 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: VY002027.D

Acq: 19 Mar 2020 17:47

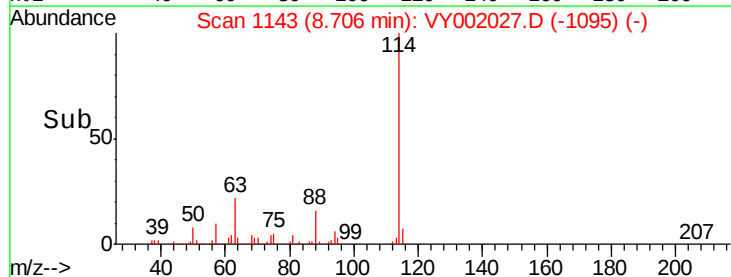
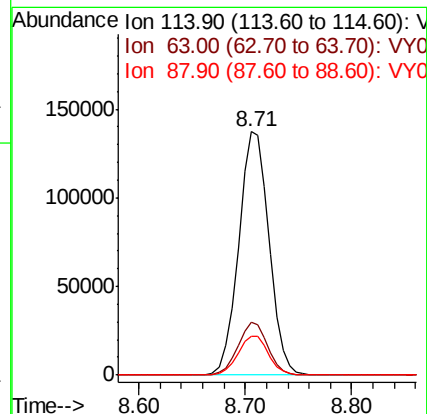
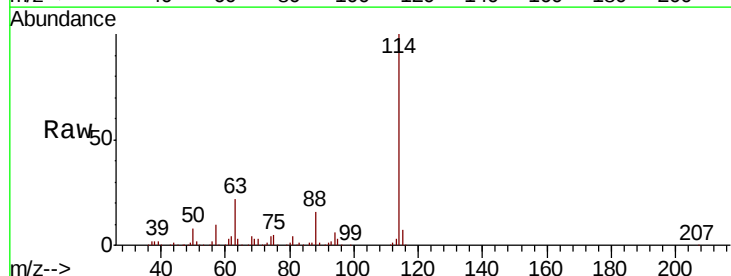
Tgt Ion: 114 Resp: 274194

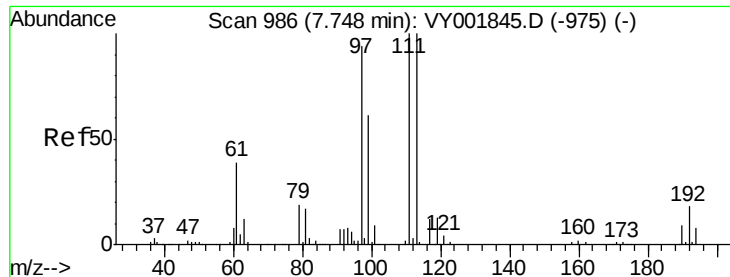
Ion Ratio Lower Upper

114 100

63 21.8 0.0 39.4

88 15.8 0.0 30.4

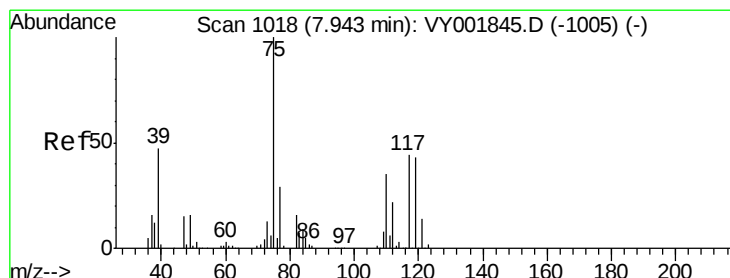
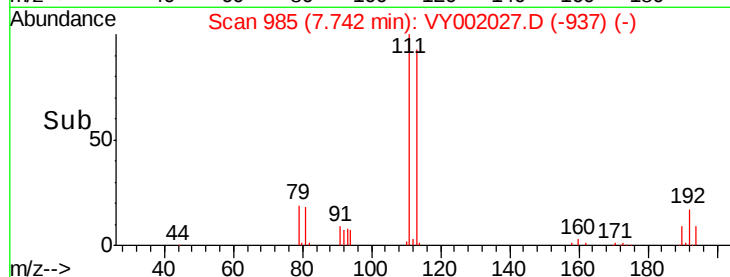
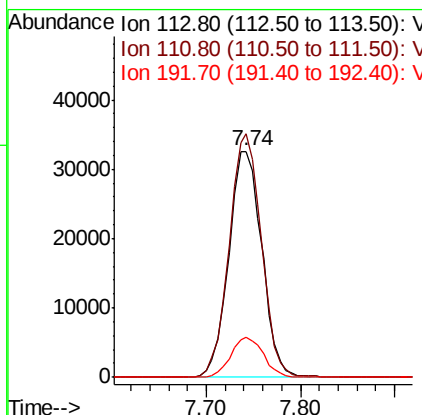
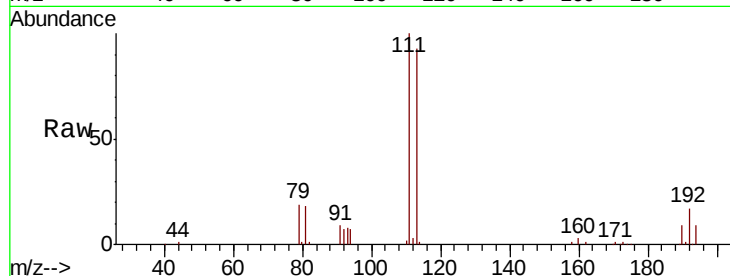




#35
 Dibromofluoromethane
 Concen: 53.123 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY002027.D
 Acq: 19 Mar 2020 17:47

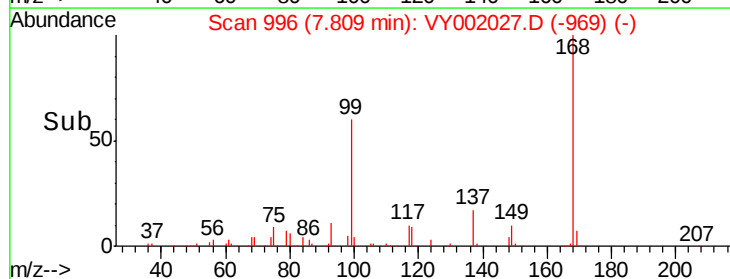
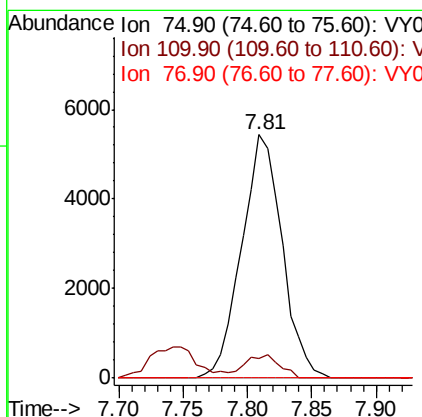
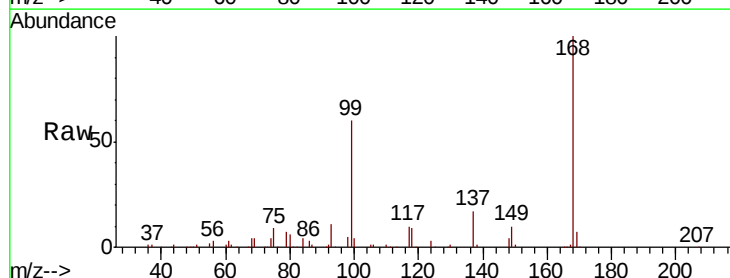
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-031920

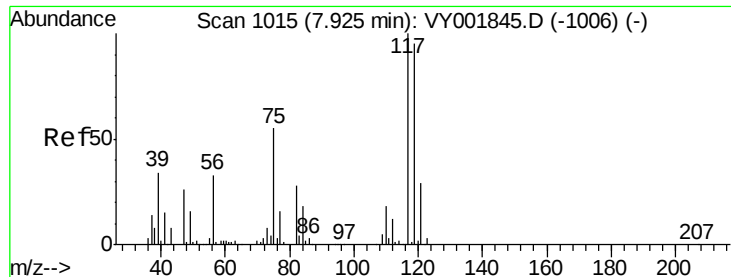
Tot Ion:113 Resp: 79537
 Ion Ratio Lower Upper
 113 100
 111 104.7 81.8 122.8
 192 17.4 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.482 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY002027.D
 Acq: 19 Mar 2020 17:47

Tgt Ion: 75 Resp: 11827
 Ion Ratio Lower Upper
 75 100
 110 8.1 17.4 52.2#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.275 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

Lab File: VY002027.D

Acq: 19 Mar 2020 17:47

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-031920

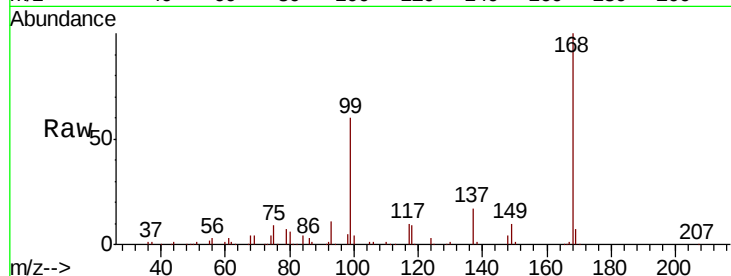
Tot Ion:117 Resp: 14144

Ion Ratio Lower Upper

117 100

119 3.9 76.3 114.5#

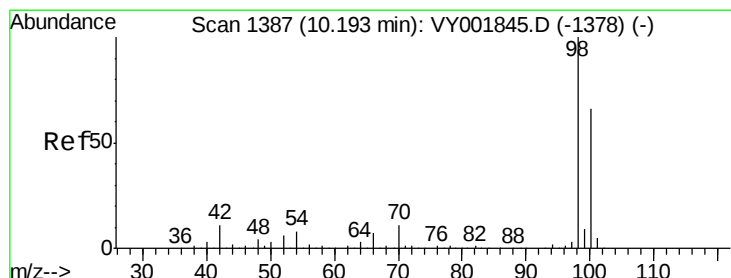
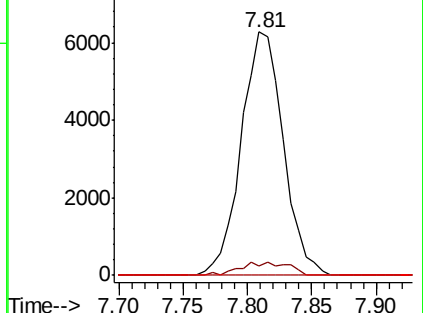
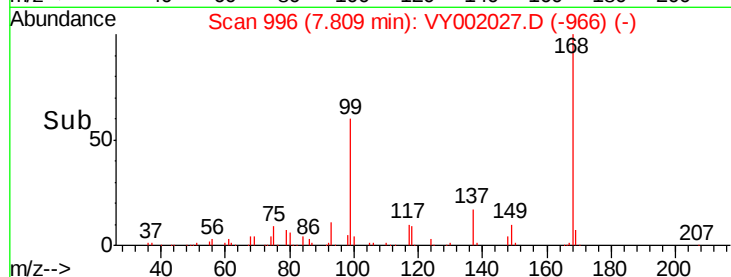
121 0.0 23.5 35.3#



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: 51.055 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002027.D

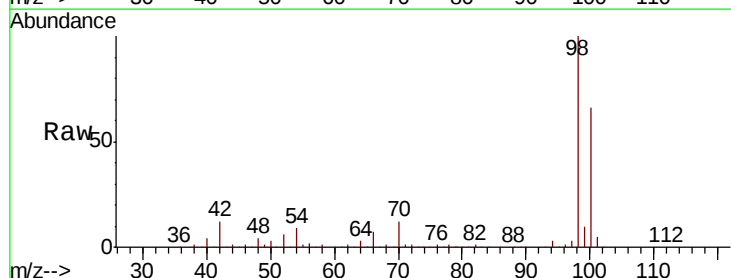
Acq: 19 Mar 2020 17:47

Tgt Ion: 98 Resp: 322340

Ion Ratio Lower Upper

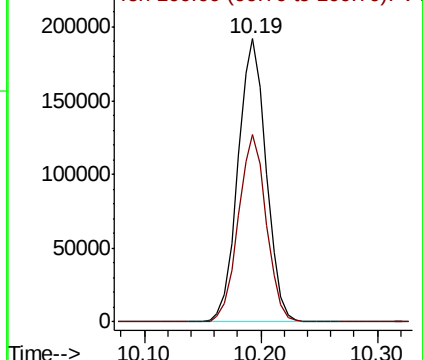
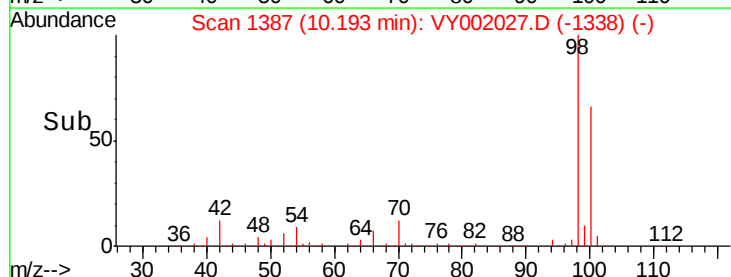
98 100

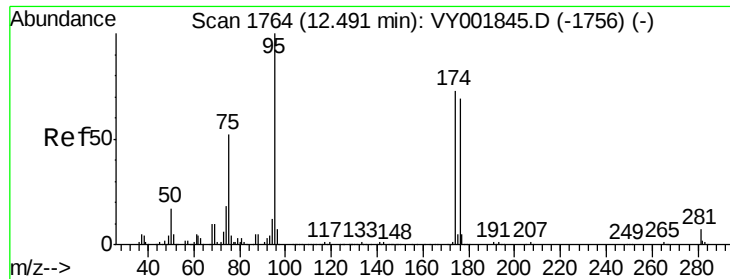
100 65.8 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

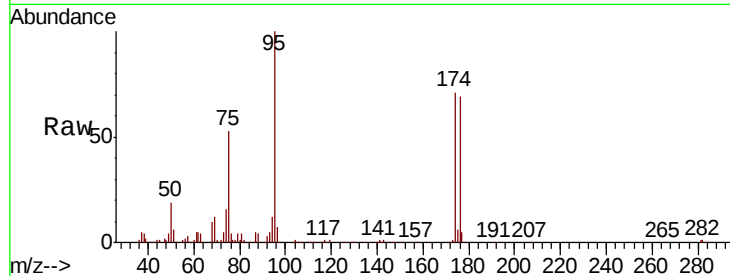




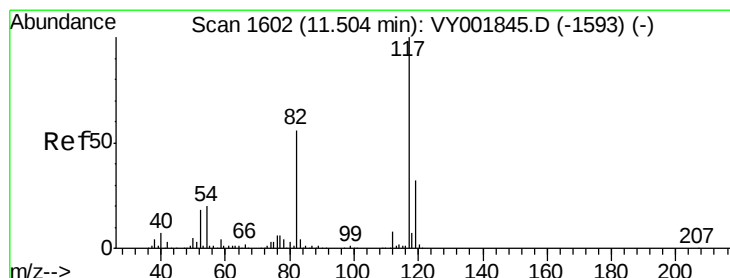
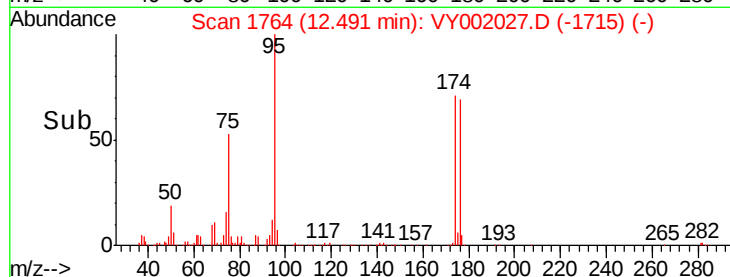
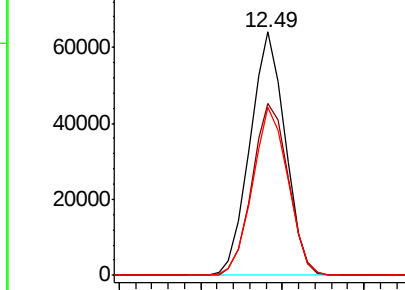
#62
4-Bromofluorobenzene
Concen: 43.826 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY002027.D
Acq: 19 Mar 2020 17:47

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031920

Tot Ion: 95 Resp: 96212
Ion Ratio Lower Upper
95 100
174 72.8 0.0 145.0
176 69.6 0.0 137.4

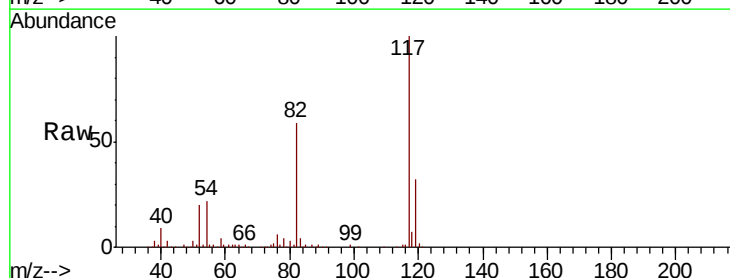


Abundance Ion 94.90 (94.60 to 95.60): VY0
Ion 173.80 (173.50 to 174.50): VY0
Ion 175.80 (175.50 to 176.50): VY0

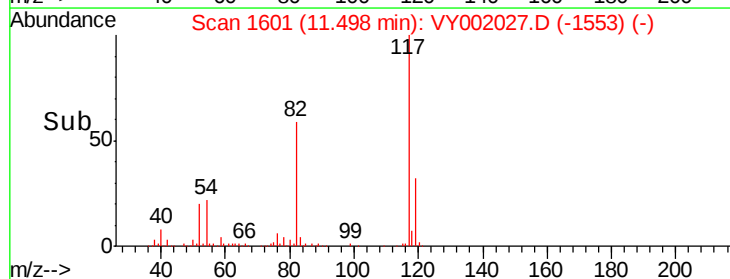
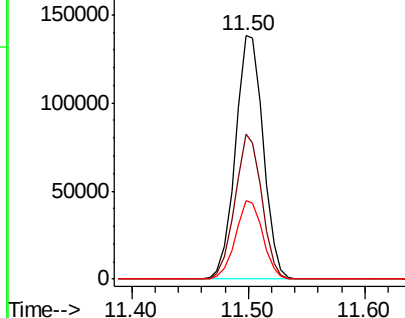


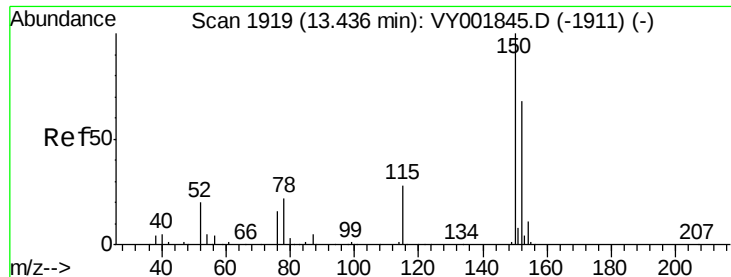
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002027.D
Acq: 19 Mar 2020 17:47

Tgt Ion: 117 Resp: 229427
Ion Ratio Lower Upper
117 100
82 59.3 44.5 66.7
119 32.4 25.7 38.5



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY002027.D

Acq: 19 Mar 2020 17:47

Instrument :

MSVOA_Y

ClientSampled :

TR-05-031920

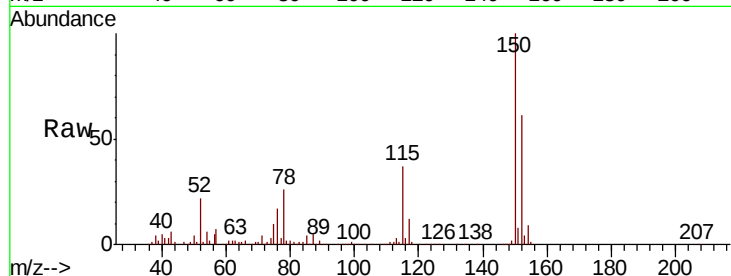
Tot Ion:152 Resp: 79541

Ion Ratio Lower Upper

152 100

115 61.0 29.9 89.7

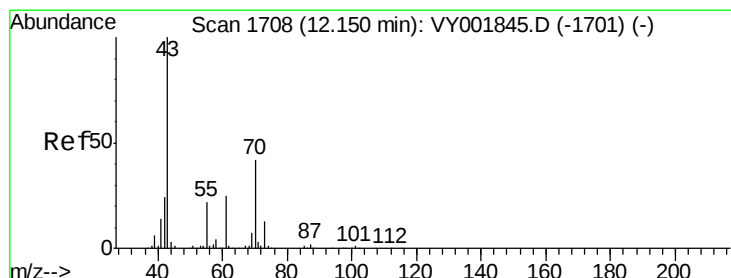
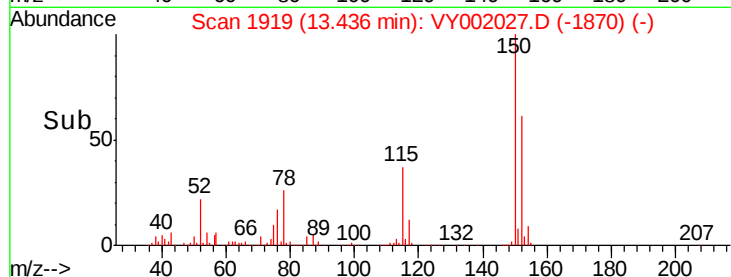
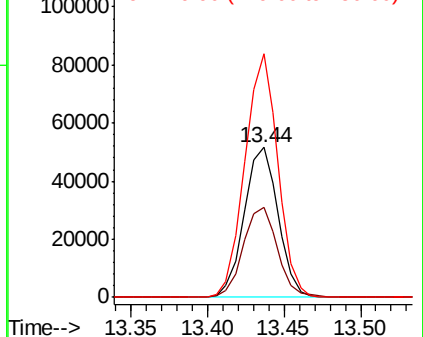
150 157.8 0.0 340.6



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



#74

N-ethyl acetate

Concen: 1.043 ug/l

RT: 12.13 min Scan# 1704

Delta R.T. -0.02 min

Lab File: VY002027.D

Acq: 19 Mar 2020 17:47

Tgt Ion: 43 Resp: 1946

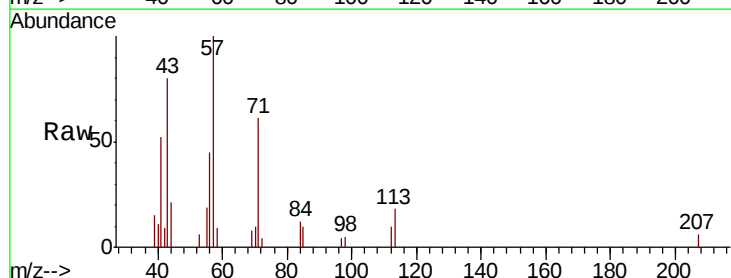
Ion Ratio Lower Upper

43 100

70 28.1 34.7 52.1#

55 11.8 18.2 27.4#

61 0.0 20.1 30.1#

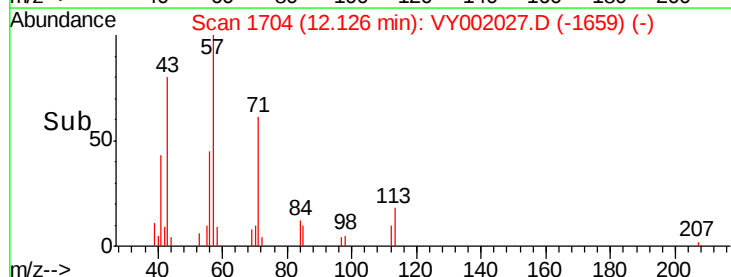
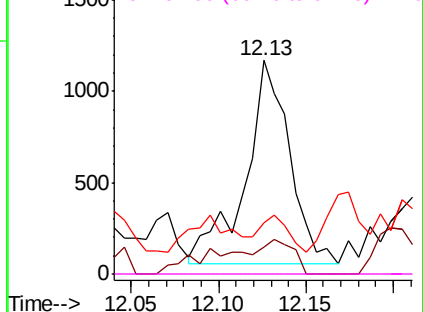


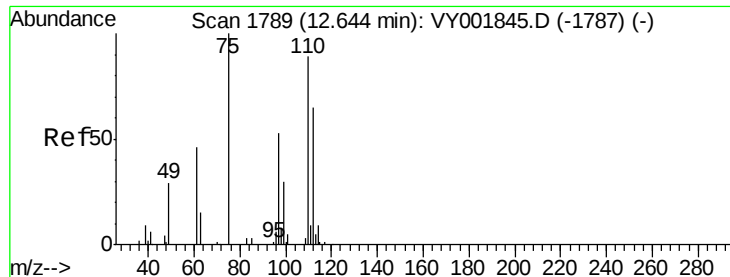
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#76

1,2,3-Trichloropropane

Concen: 53.845 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002027.D

Acq: 19 Mar 2020 17:47

Instrument :

MSVOA_Y

ClientSampleId :

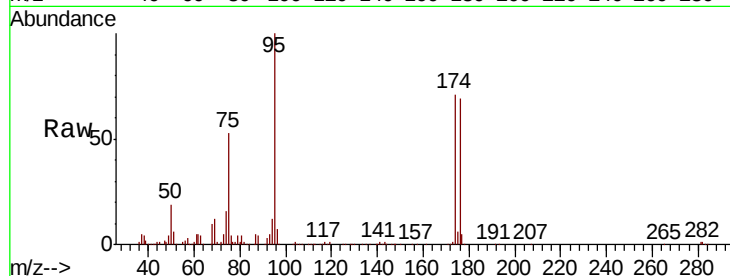
TR-05-031920

Tot Ion: 75 Resp: 50819

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY001845.D (-1787) (-)

Ion 77.00 (76.70 to 77.70): VY001845.D (-1787) (-)

12.49

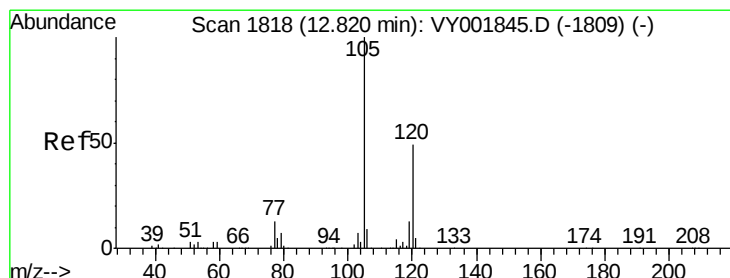
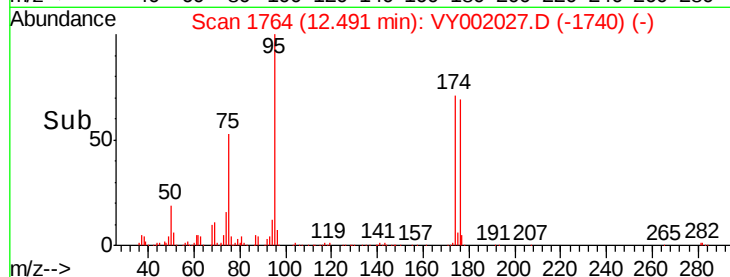
30000

20000

10000

0

Time--> 12.40 12.45 12.50 12.55



#80

1,3,5-Trimethylbenzene

Concen: 2.268 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY002027.D

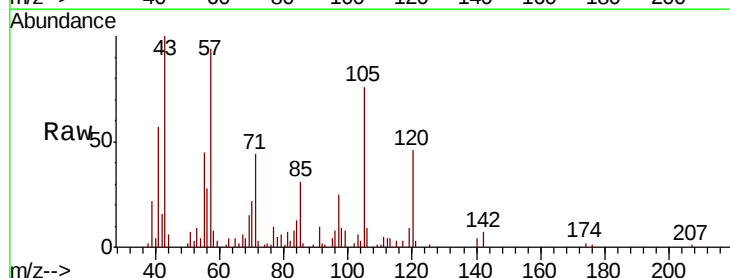
Acq: 19 Mar 2020 17:47

Tgt Ion:105 Resp: 11339

Ion Ratio Lower Upper

105 100

120 48.0 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VY001845.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY001845.D (-1809) (-)

12.82

8000

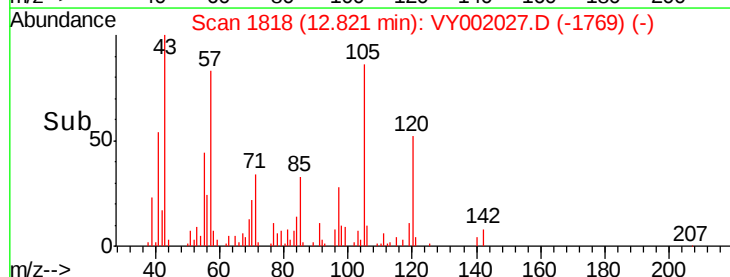
6000

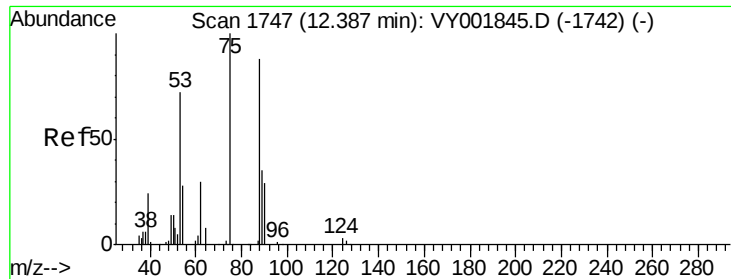
4000

2000

0

Time--> 12.80 12.85





#81

trans-1,4-Dichloro-2-butene

Concen: 108.764 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002027.D

Acq: 19 Mar 2020 17:47

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-031920

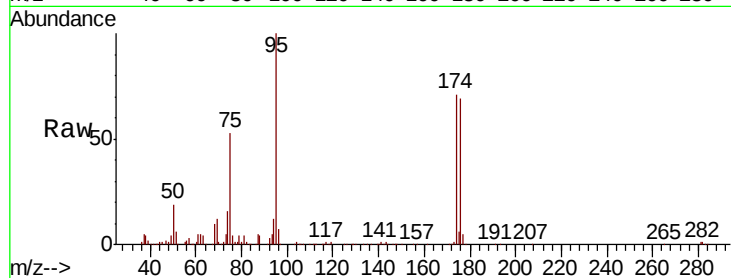
Tot Ion: 75 Resp: 50819

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

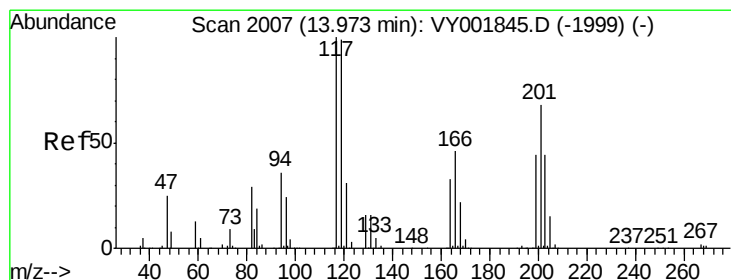
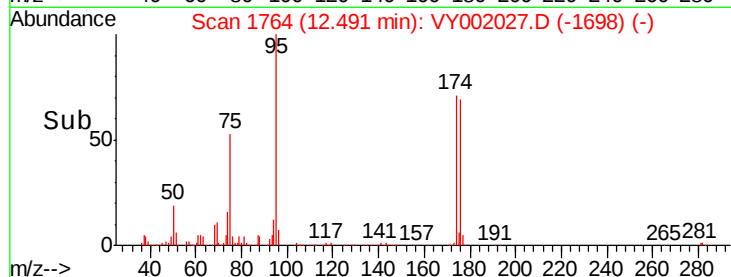
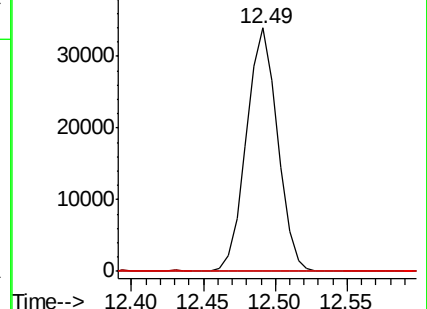
89 0.0 36.0 54.0#



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



#90

Hexachloroethane

Concen: 1.488 ug/l

RT: 13.98 min Scan# 2008

Delta R.T. 0.01 min

Lab File: VY002027.D

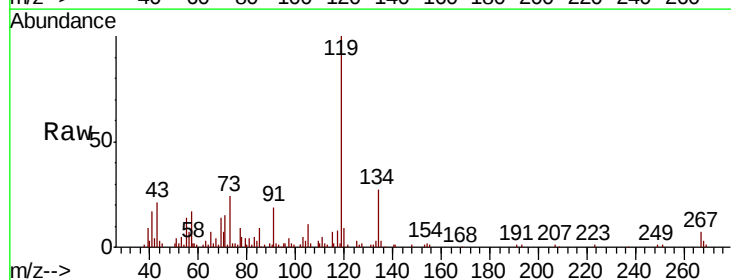
Acq: 19 Mar 2020 17:47

Tgt Ion: 117 Resp: 1482

Ion Ratio Lower Upper

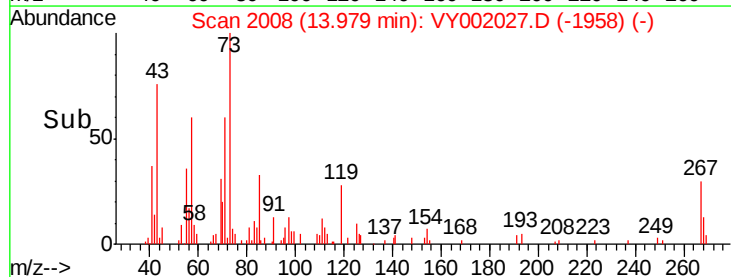
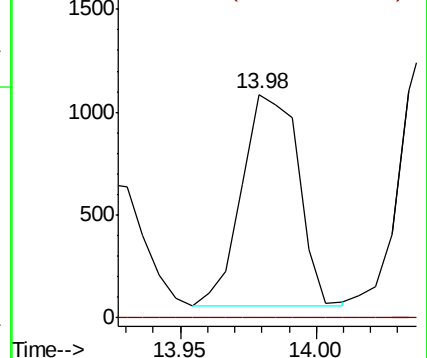
117 100

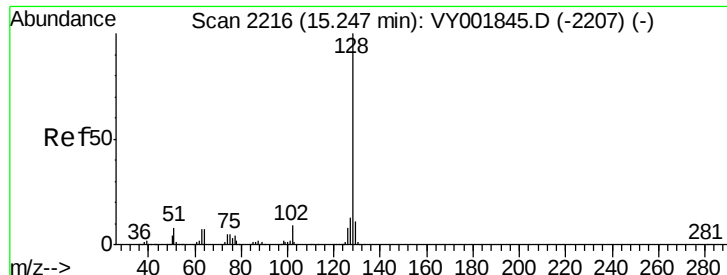
201 0.0 32.5 97.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

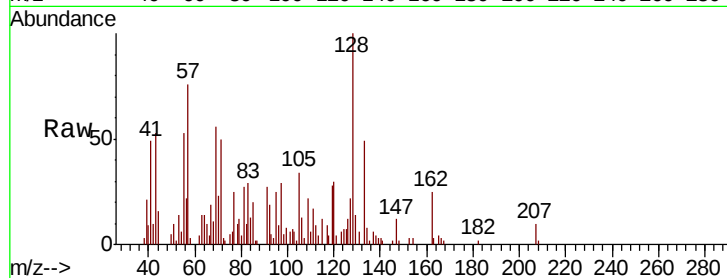




#95
Naphthalene
Concen: 1.423 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY002027.D
Acq: 19 Mar 2020 17:47

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031920

Tot Ion	Ratio	Lower	Upper
128	100		
127	27.4	10.1	15.1#
129	15.2	8.6	13.0#



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

