

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
 Data File : VY002076.D
 Acq On : 25 Mar 2020 18:44
 Operator : SY/MD
 Sample : L2043-05
 Misc : 7.19G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 26 06:37:20 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	129779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	254741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	235614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	104754	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	83332	60.15	ug/l	0.00
Spiked Amount			Recovery	=	120.30%	
35) Dibromofluoromethane	7.75	113	74500	53.56	ug/l	0.00
Spiked Amount			Recovery	=	107.12%	
50) Toluene-d8	10.19	98	309494	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	
62) 4-Bromofluorobenzene	12.49	95	105475	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	

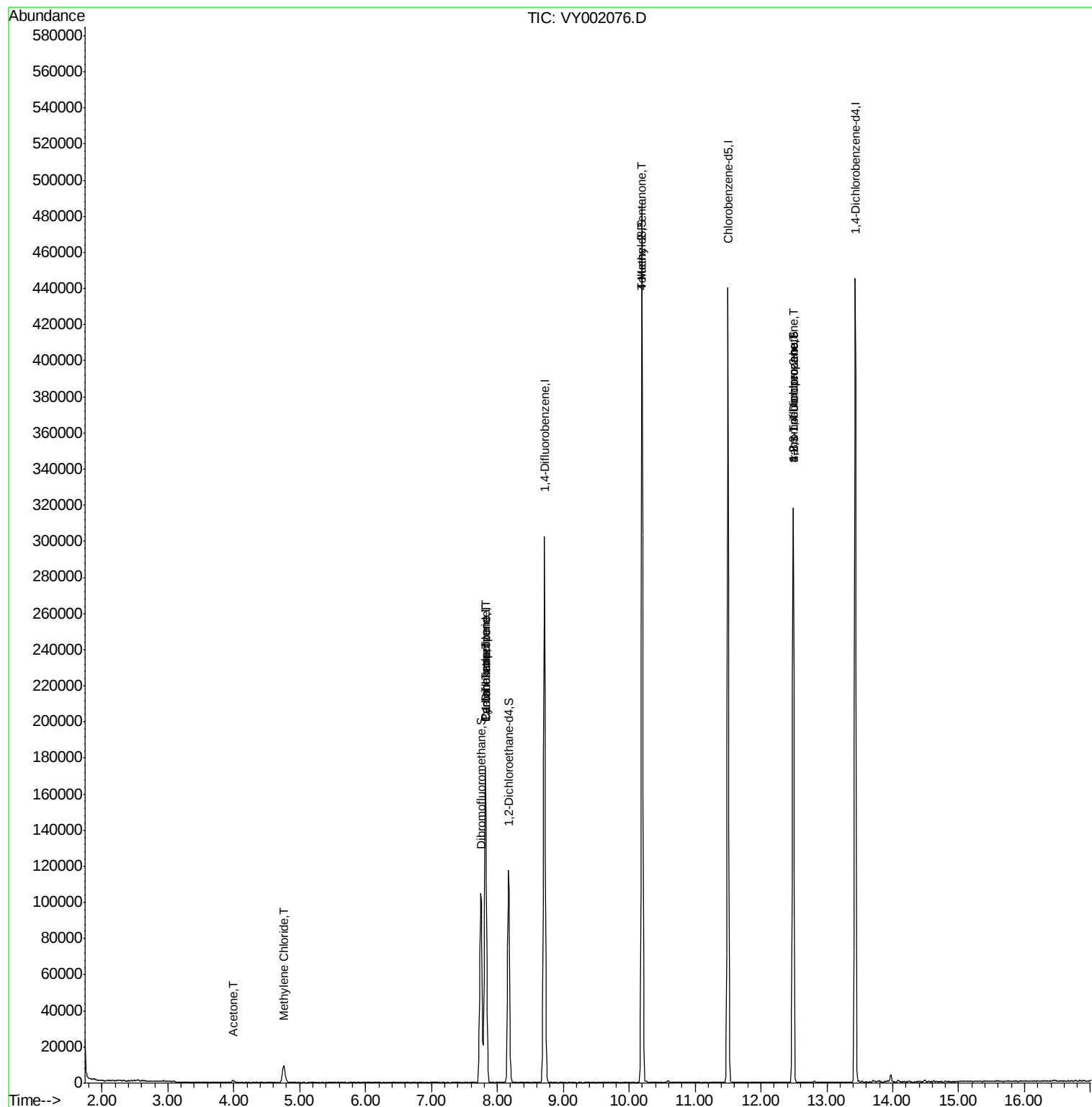
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.03	59	59	Below Cal	#	74
16) Acetone	3.99	43	1827	4.527	ug/l #	85
20) Methylene Chloride	4.75	84	7005	4.050	ug/l	97
31) Cyclohexane	7.82	56	3088	1.014	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	11340	4.626	ug/l #	49
38) Carbon Tetrachloride	7.82	117	13297	6.350	ug/l #	16
51) 4-Methyl-2-Pentanone	10.20	43	1568	1.129	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	55359	44.537	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	55359	89.963	ug/l #	17

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

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QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY002076.D

Acq: 25 Mar 2020 18:44

Instrument :

MSVOA_Y

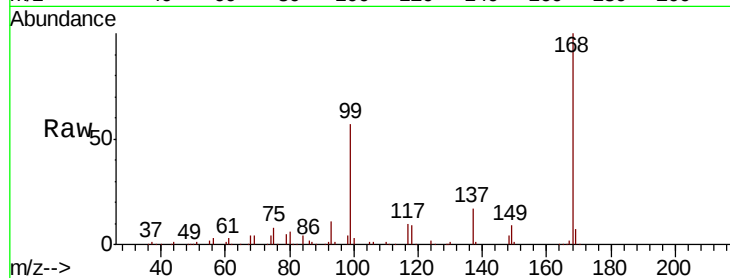
ClientSampleId :

Tot Ion:168 Resp: 129779

Ion Ratio Lower Upper

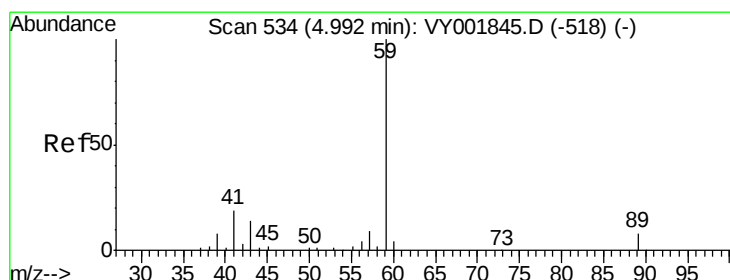
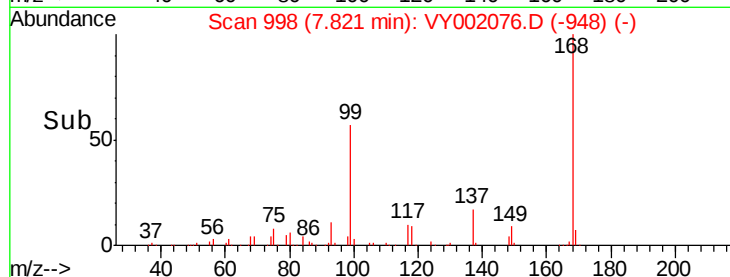
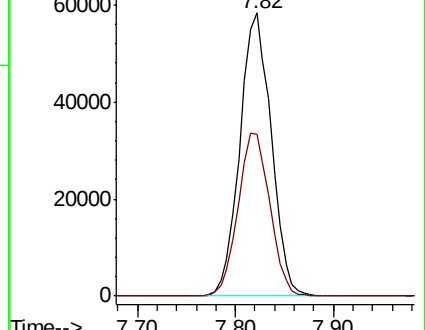
168 100

99 57.3 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) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.03 min Scan# 540

Delta R.T. 0.04 min

Lab File: VY002076.D

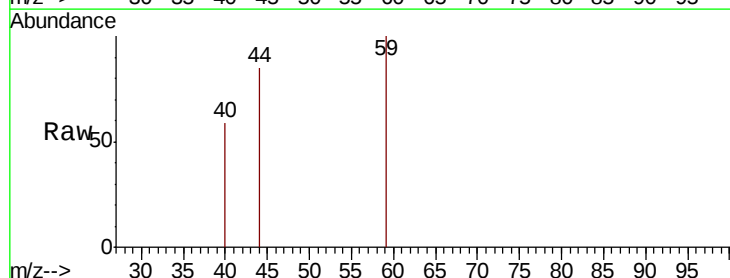
Acq: 25 Mar 2020 18:44

Tgt Ion: 59 Resp: 59

Ion Ratio Lower Upper

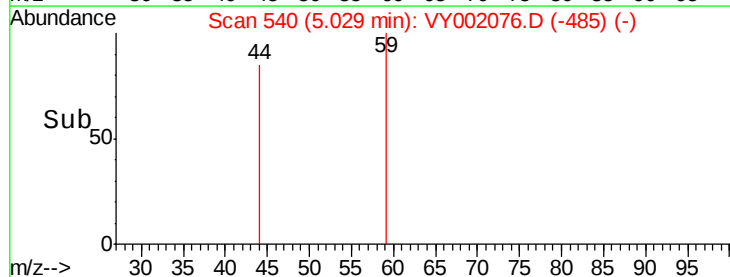
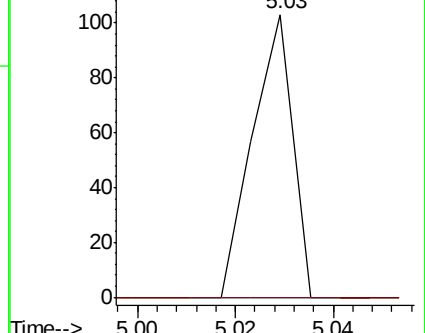
59 100

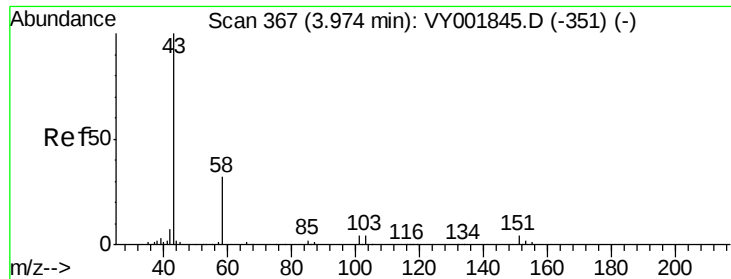
57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001845.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VY001845.D (-518) (-)





#16

Acetone

Concen: 4.527 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.02 min

Lab File: VY002076.D

Acq: 25 Mar 2020 18:44

Instrument :

MSVOA_Y

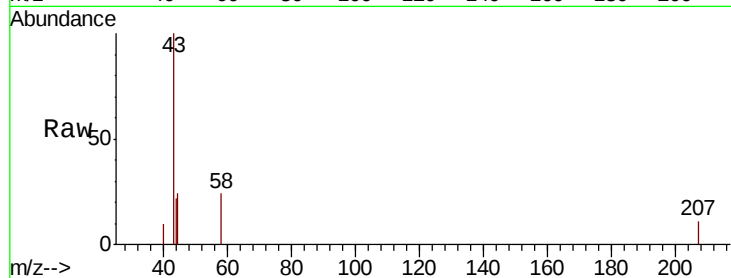
ClientSampleId :

Tot Ion: 43 Resp: 1827

Ion Ratio Lower Upper

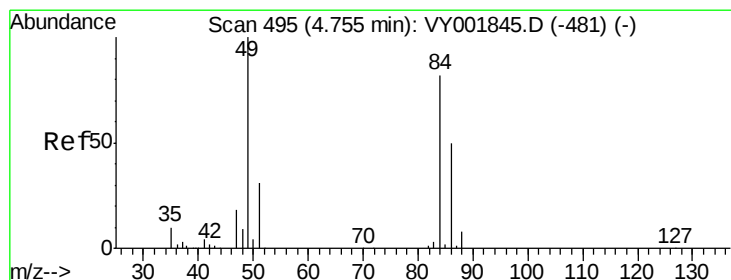
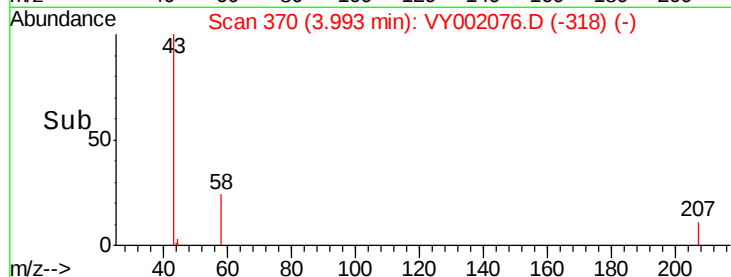
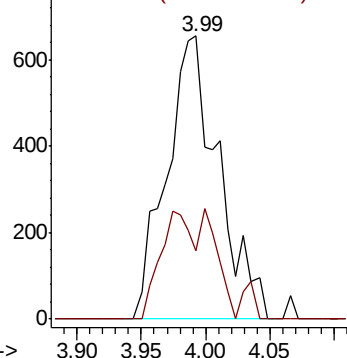
43 100

58 24.0 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 4.050 ug/l

RT: 4.75 min Scan# 495

Delta R.T. 0.00 min

Lab File: VY002076.D

Acq: 25 Mar 2020 18:44

Tgt Ion: 84 Resp: 7005

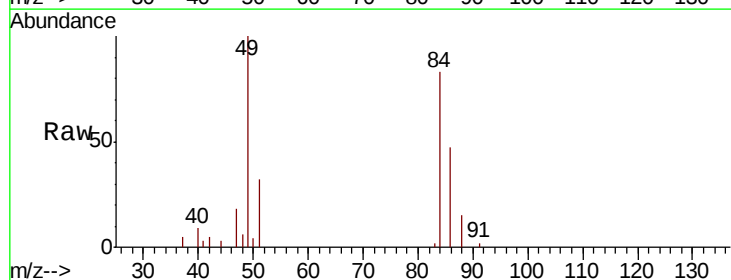
Ion Ratio Lower Upper

84 100

49 120.8 98.2 147.2

51 38.8 30.2 45.2

86 56.5 48.9 73.3

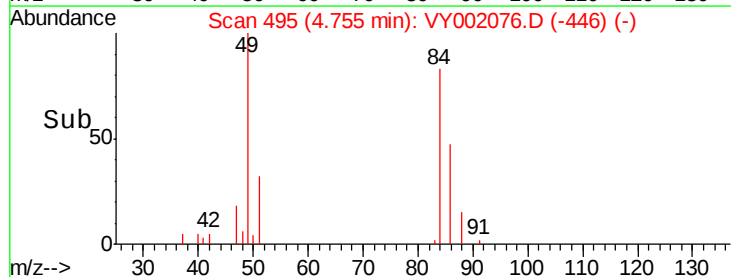
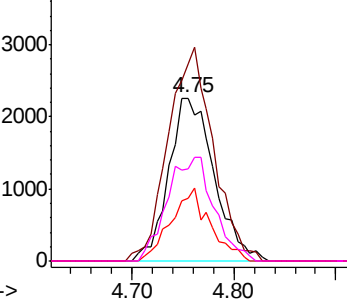


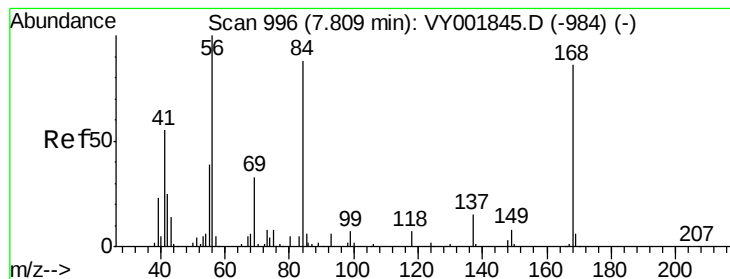
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#31

Cyclohexane

Concen: 1.014 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY002076.D

Acq: 25 Mar 2020 18:44

Instrument :

MSVOA_Y

ClientSampled :

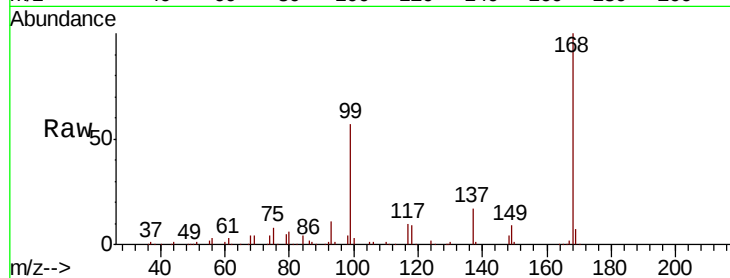
Tot Ion: 56 Resp: 3088

Ion Ratio Lower Upper

56 100

69 139.6 26.7 40.1#

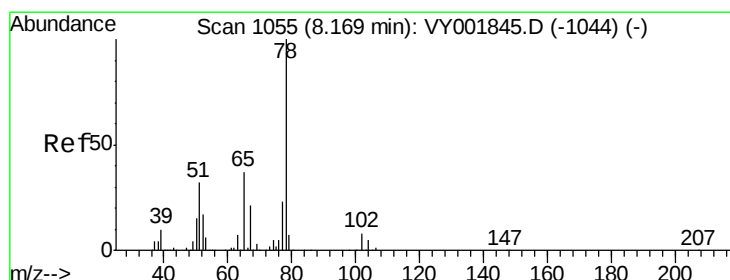
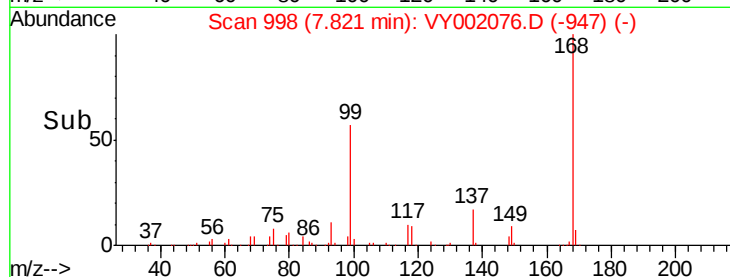
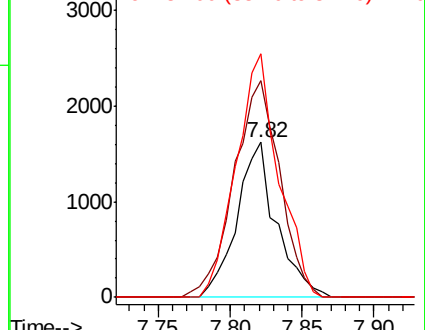
84 157.2 70.4 105.6#



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: 60.147 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VY002076.D

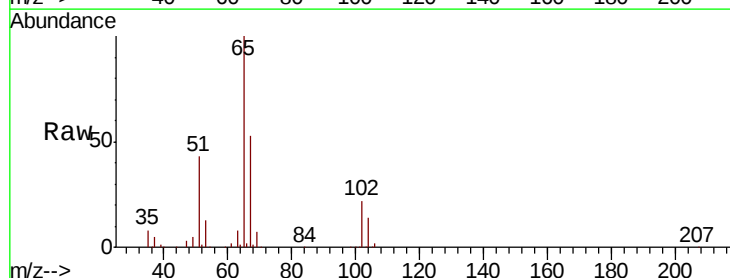
Acq: 25 Mar 2020 18:44

Tgt Ion: 65 Resp: 83332

Ion Ratio Lower Upper

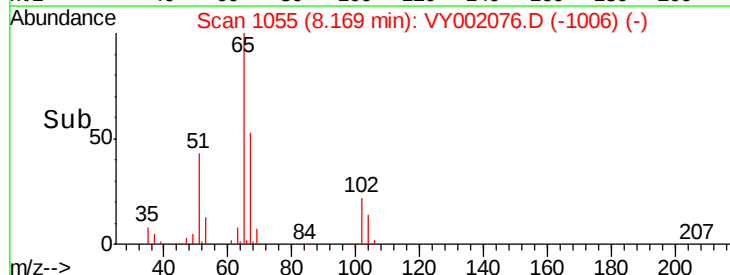
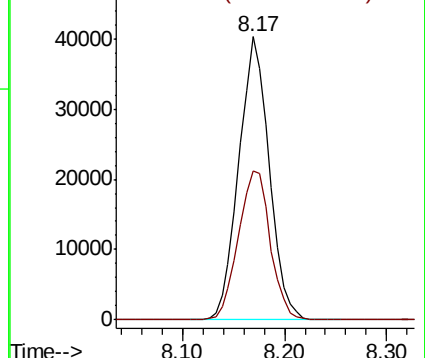
65 100

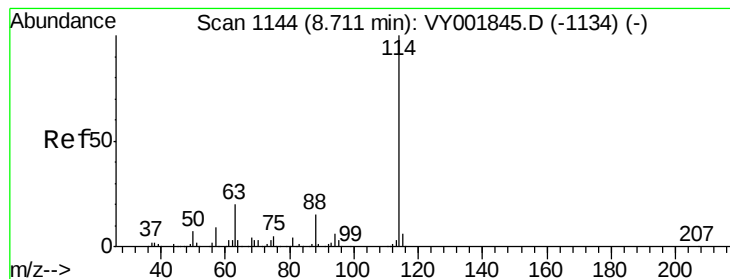
67 55.2 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY002076.D

Acq: 25 Mar 2020 18:44

Instrument :

MSVOA_Y

ClientSampleId :

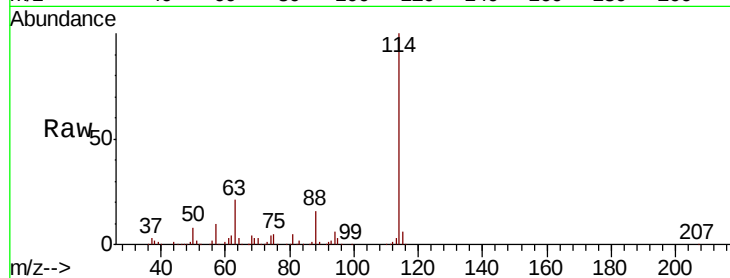
Tot Ion:114 Resp: 254741

Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.4

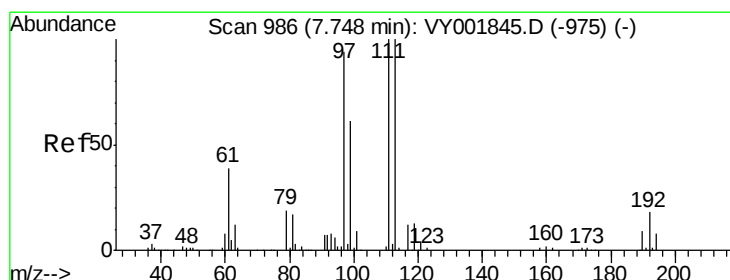
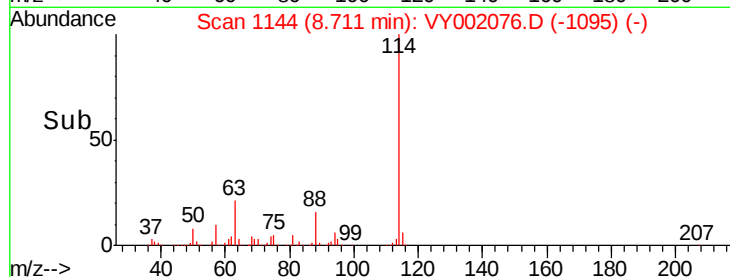
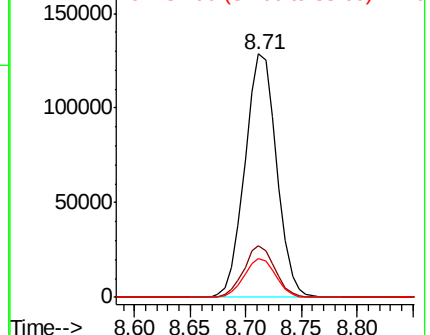
88 15.9 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 53.559 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY002076.D

Acq: 25 Mar 2020 18:44

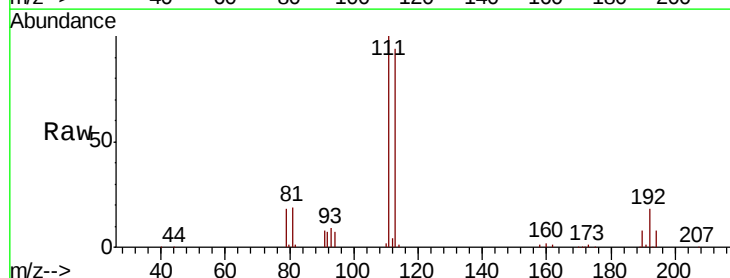
Tgt Ion:113 Resp: 74500

Ion Ratio Lower Upper

113 100

111 104.3 81.8 122.8

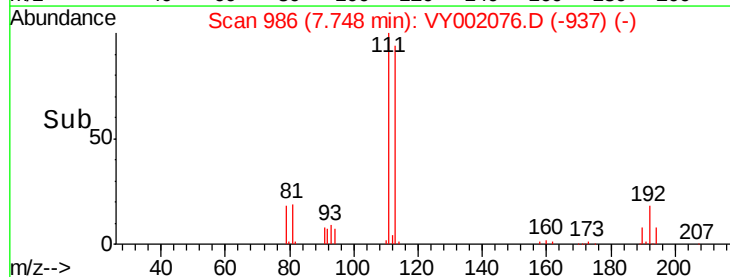
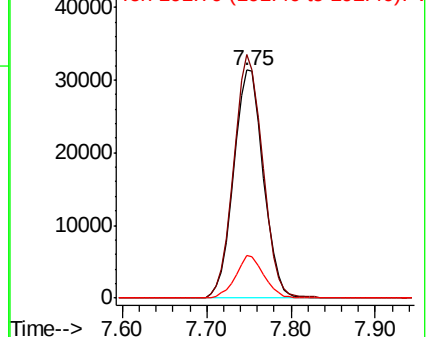
192 17.6 14.2 21.2

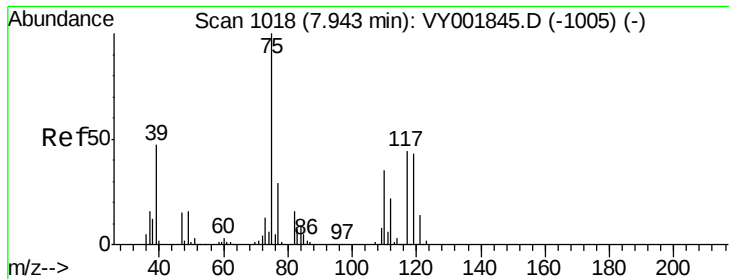


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

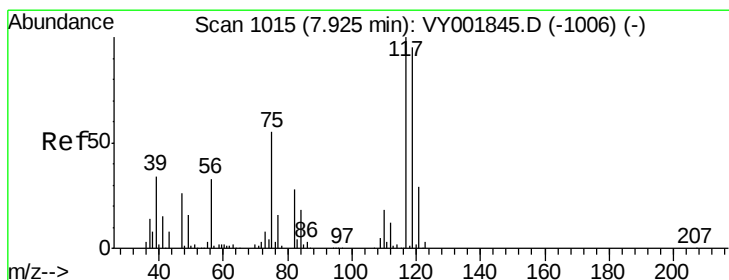
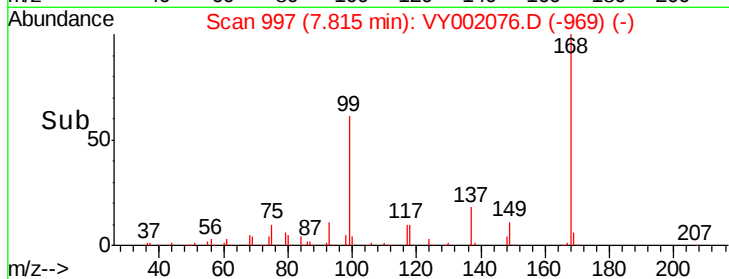
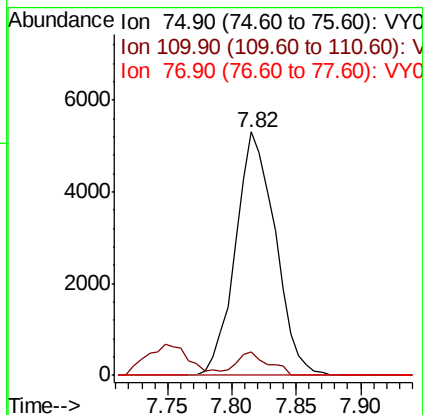
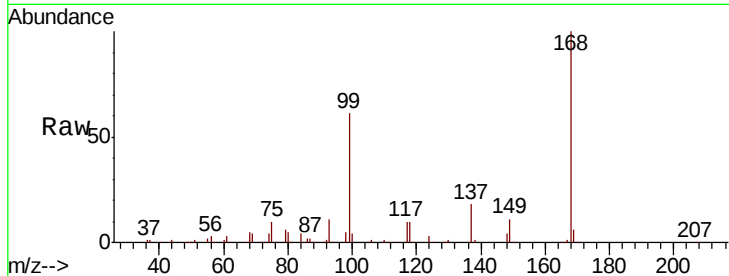




#36
 1,1-Dichloropropene
 Concen: 4.626 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY002076.D
 Acq: 25 Mar 2020 18:44

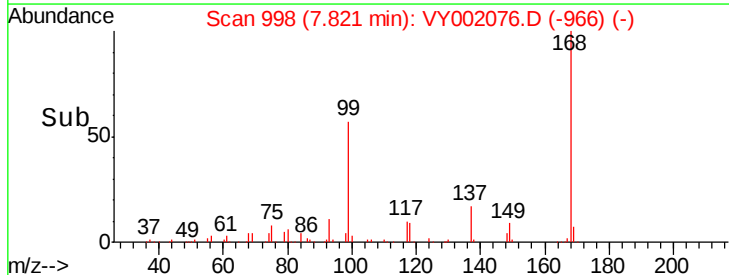
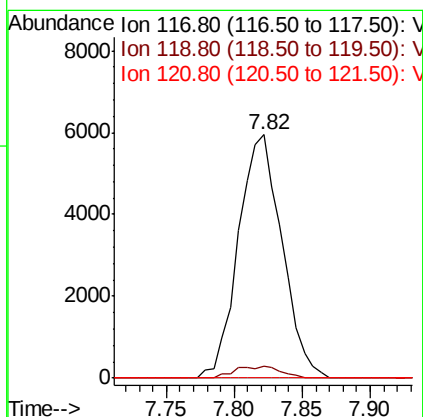
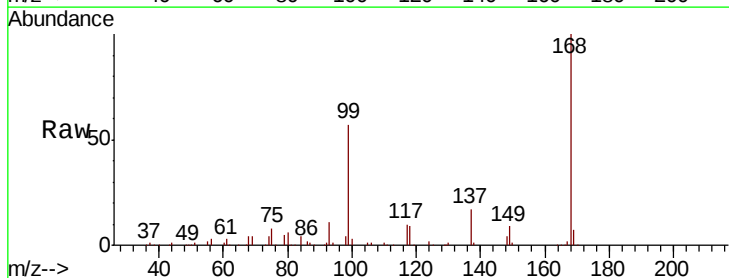
Instrument :
 MSVOA_Y
 ClientSampleId :

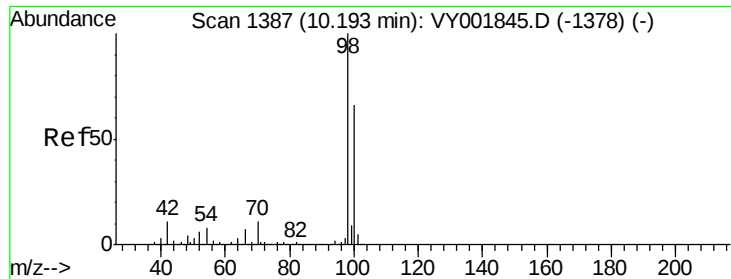
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.6	17.4	52.2#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.350 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.10 min
 Lab File: VY002076.D
 Acq: 25 Mar 2020 18:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.3	114.5#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 52.764 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002076.D

Acq: 25 Mar 2020 18:44

Instrument :

MSVOA_Y

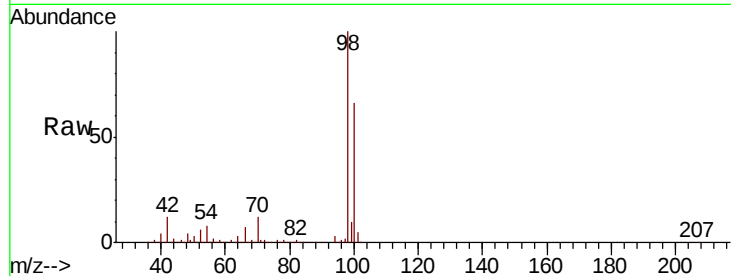
ClientSampleId :

Tot Ion: 98 Resp: 309494

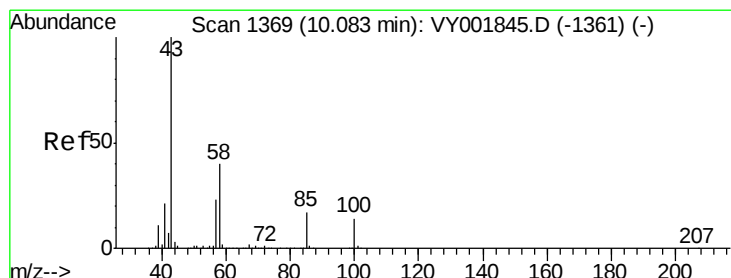
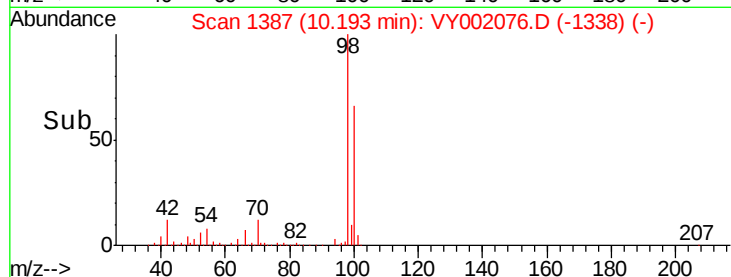
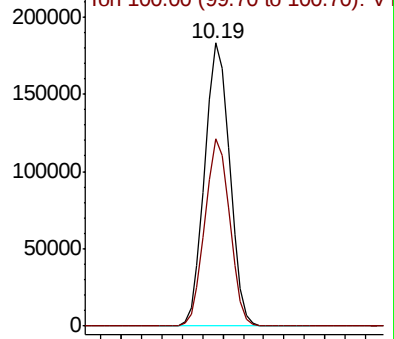
Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.129 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.12 min

Lab File: VY002076.D

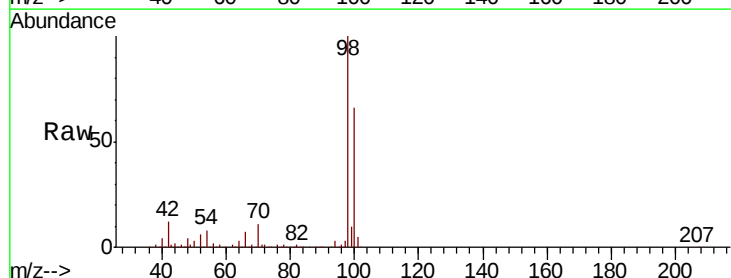
Acq: 25 Mar 2020 18:44

Tgt Ion: 43 Resp: 1568

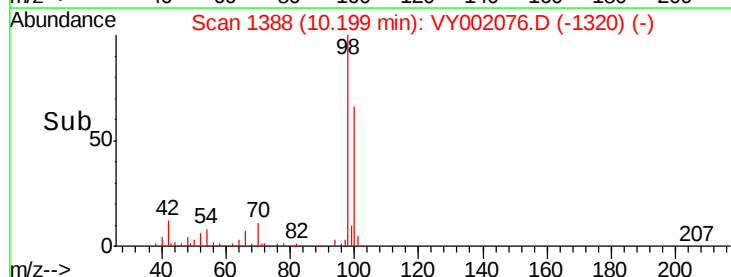
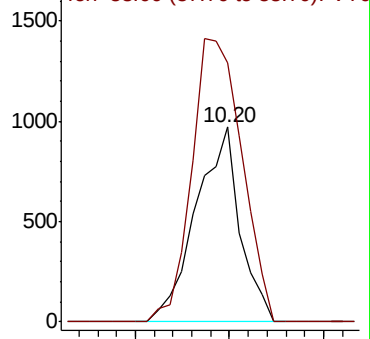
Ion Ratio Lower Upper

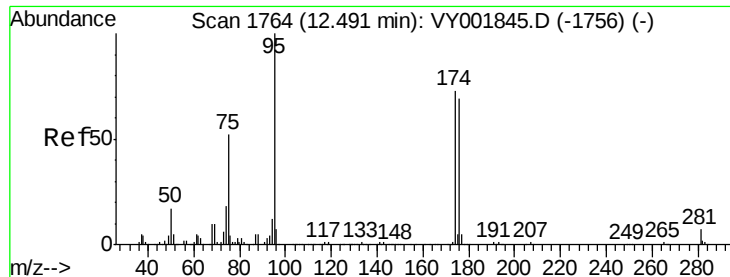
43 100

58 166.3 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-1361) (-)

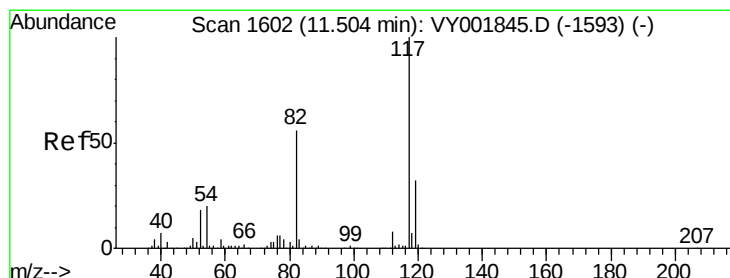
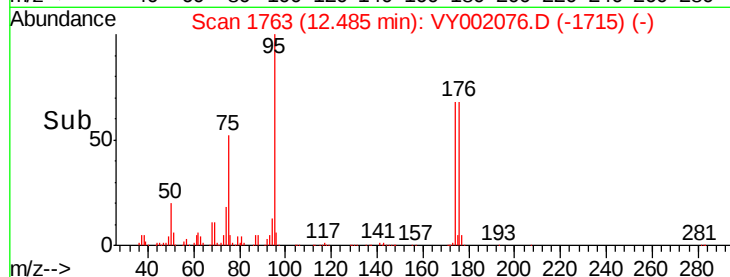
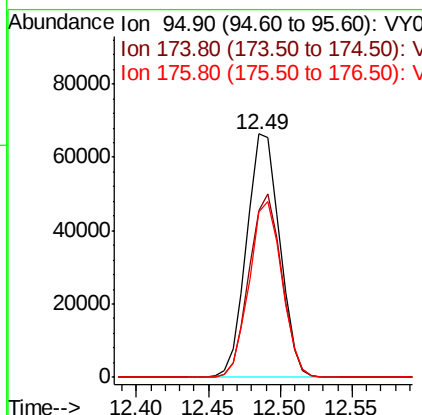
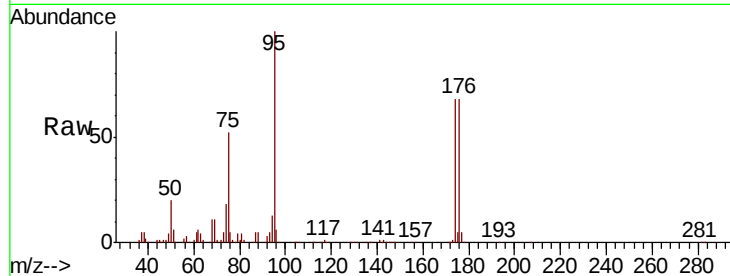




#62
4-Bromofluorobenzene
Concen: 51.715 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY002076.D
Acq: 25 Mar 2020 18:44

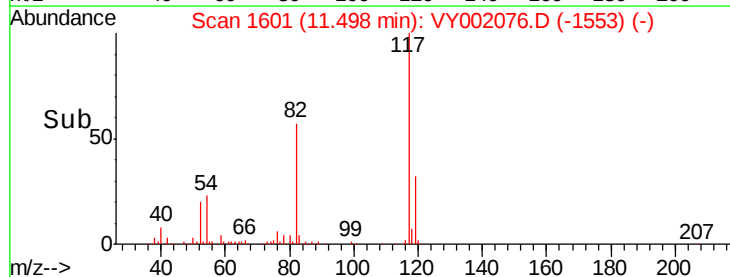
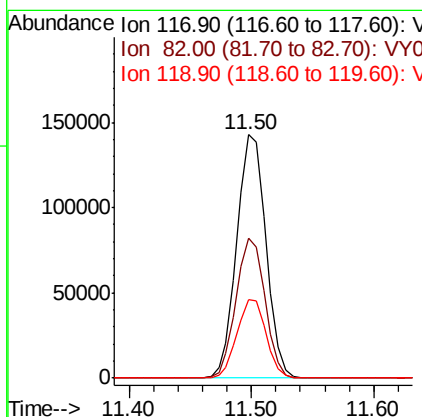
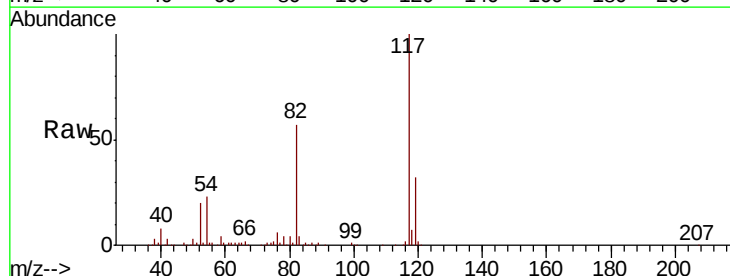
Instrument :
MSVOA_Y
ClientSampleId :

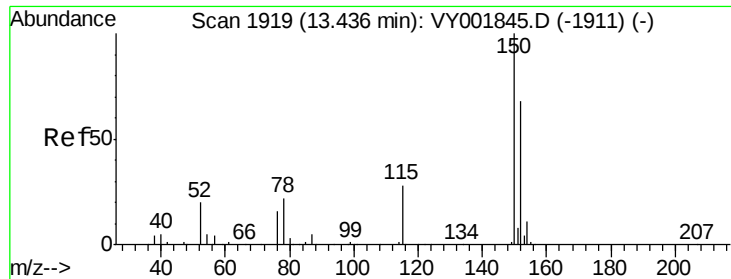
Tot Ion	95	Resp	105475
Ion Ratio	Lower	Upper	
95	100		
174	73.9	0.0	145.0
176	71.4	0.0	137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002076.D
Acq: 25 Mar 2020 18:44

Tgt Ion	117	Resp	235614
Ion Ratio	Lower	Upper	
117	100		
82	57.3	44.5	66.7
119	32.2	25.7	38.5



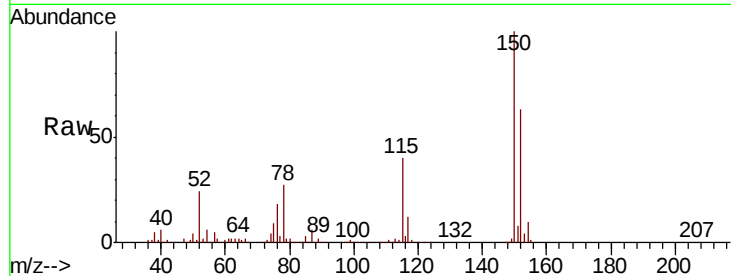


#72

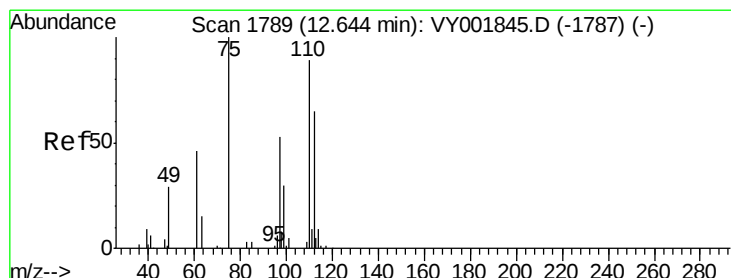
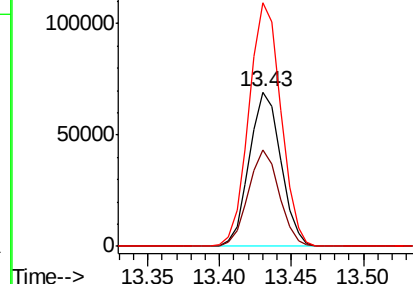
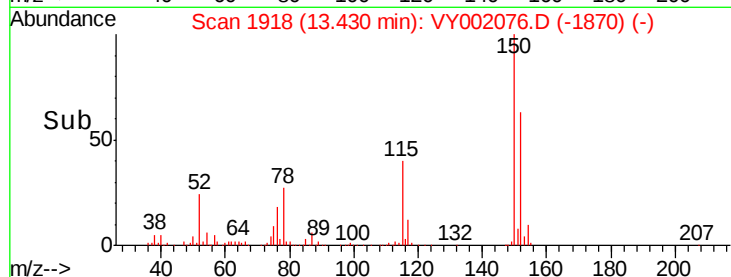
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002076.D
Acq: 25 Mar 2020 18:44

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.7	29.9	89.7
150	160.3	0.0	340.6



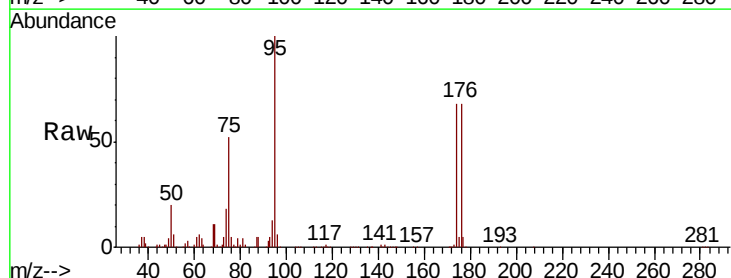
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



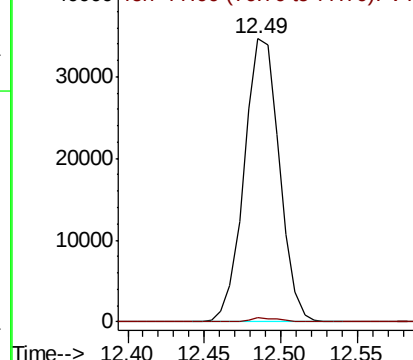
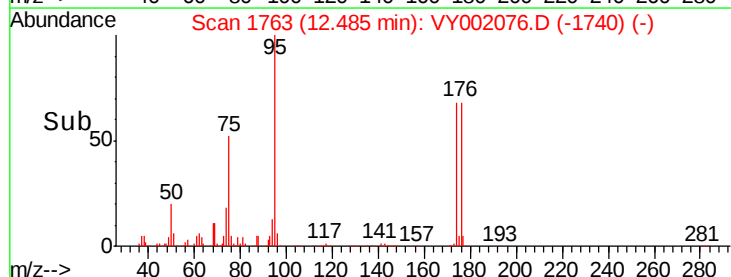
#76

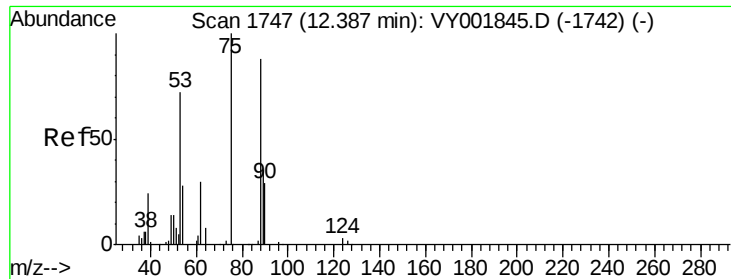
1,2,3-Trichloropropane
Concen: 44.537 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.16 min
Lab File: VY002076.D
Acq: 25 Mar 2020 18:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	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: 89.963 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002076.D

Acq: 25 Mar 2020 18:44

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 55359

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.2 36.0 54.0#

