

Data File : VY002441.D
Acq On : 21 Apr 2020 18:17
Operator : SY/MD
Sample : L2327-23RE
Misc : 6.53G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-6-S2RE

Quant Time: Apr 22 02:37:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042020S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 20 15:14:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	227561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	363891	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	312753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	140219	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	99799	60.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.60%	
35) Dibromofluoromethane	7.74	113	105099	54.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.82%	
50) Toluene-d8	10.19	98	416554	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
62) 4-Bromofluorobenzene	12.49	95	123411	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	

Target Compounds

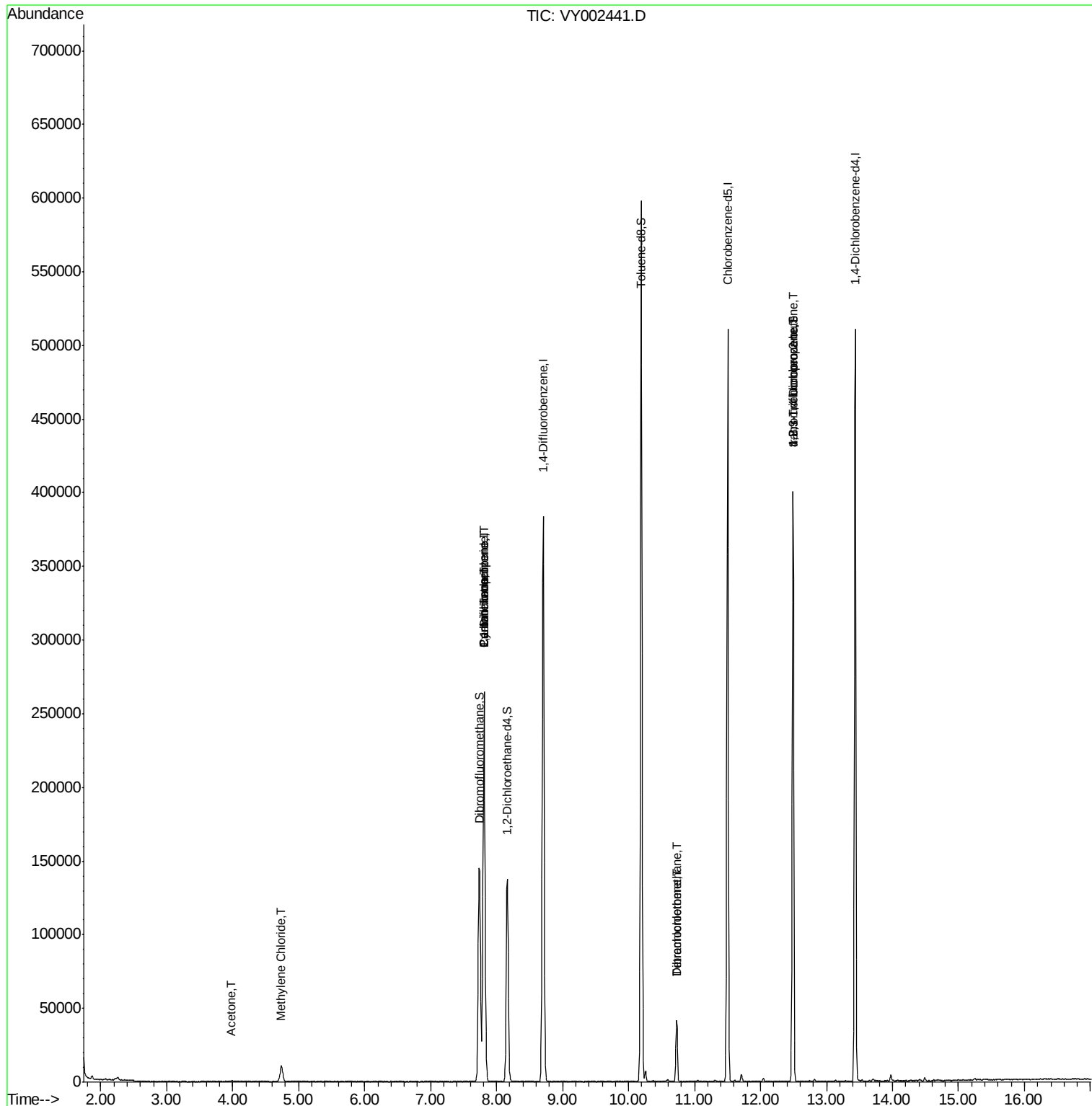
						Qvalue
16) Acetone	3.97	43	737	1.666	ug/l #	73
20) Methylene Chloride	4.74	84	8639	3.491	ug/l	91
31) Cyclohexane	7.81	56	3486	1.018	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	13119	4.481	ug/l #	47
38) Carbon Tetrachloride	7.81	117	20002	6.782	ug/l #	14
60) Dibromochloromethane	10.73	129	8350	3.847	ug/l #	11
64) Tetrachloroethene	10.73	164	10427	3.125	ug/l	97
76) 1,2,3-Trichloropropane	12.49	75	56213	45.506	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	56213	88.686	ug/l #	19

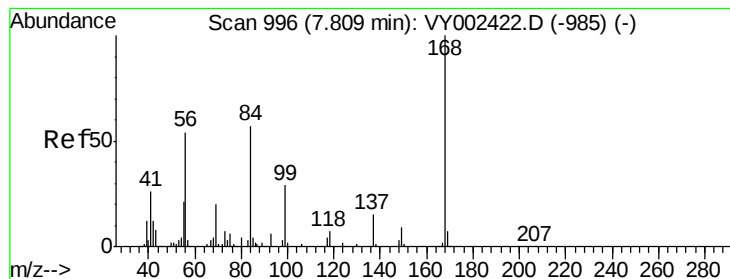
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY002441.D

Acq: 21 Apr 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

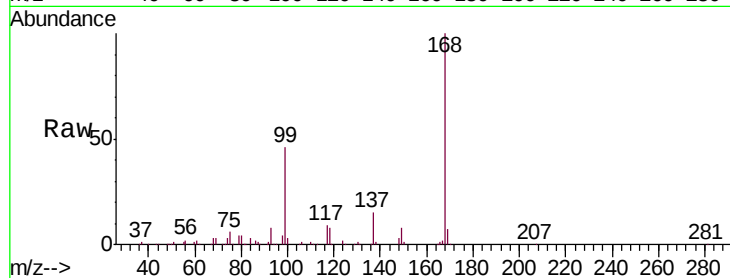
TP-6-S2RE

Tgt Ion:168 Resp: 227561

Ion Ratio Lower Upper

168 100

99 46.3 37.0 55.4



Abundance Ion 167.90 (167.60 to 168.60): VY002422.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002422.D (-985) (-)

7.81

100000

80000

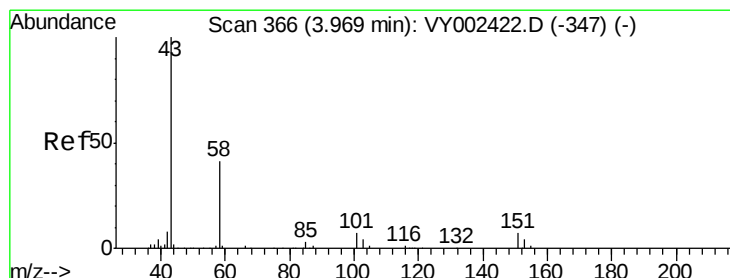
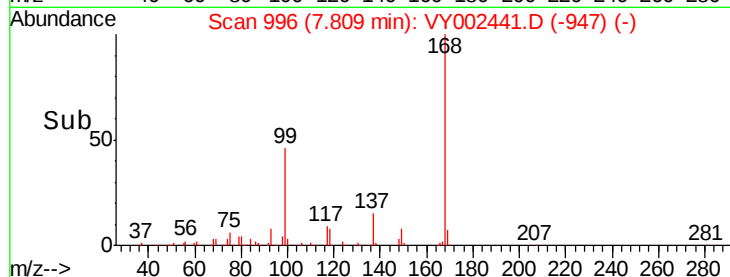
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 1.666 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002441.D

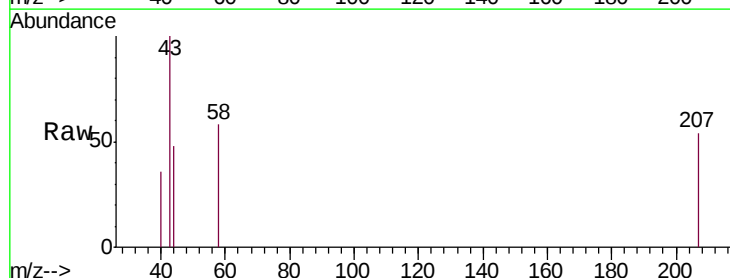
Acq: 21 Apr 2020 18:17

Tgt Ion: 43 Resp: 737

Ion Ratio Lower Upper

43 100

58 57.8 32.6 48.8#



Abundance Ion 43.00 (42.70 to 43.70): VY002422.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002422.D (-347) (-)

3.97

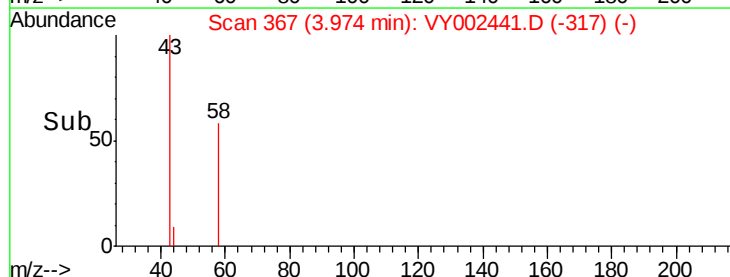
300

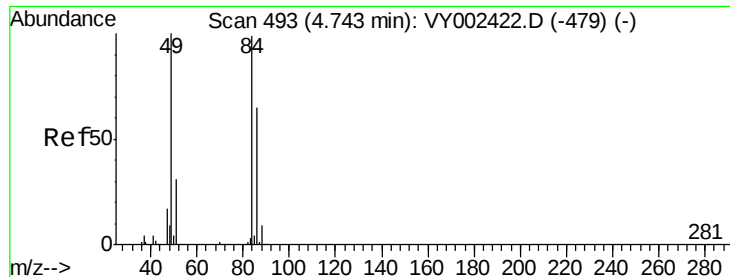
200

100

0

Time-->





#20

Methylene Chloride

Concen: 3.491 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.01 min

Lab File: VY002441.D

Acq: 21 Apr 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

TP-6-S2RE

Tgt Ion: 84 Resp: 8639

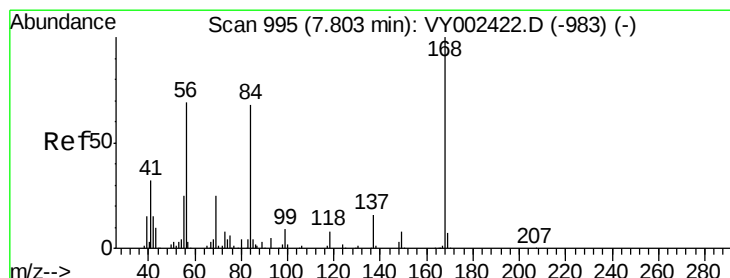
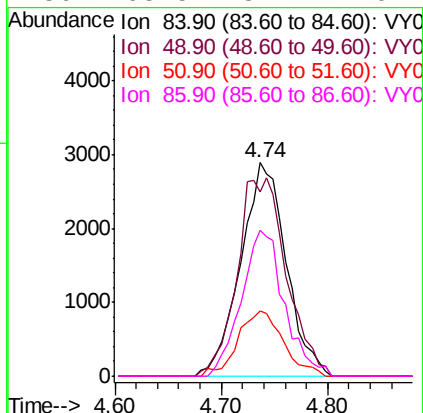
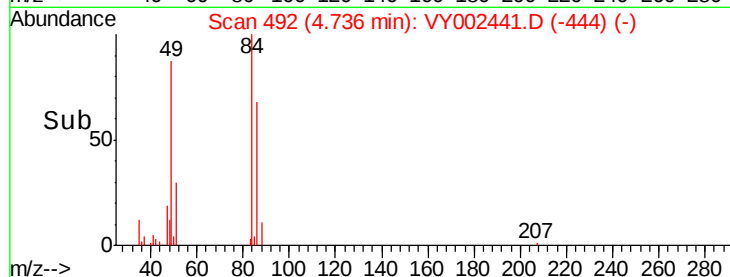
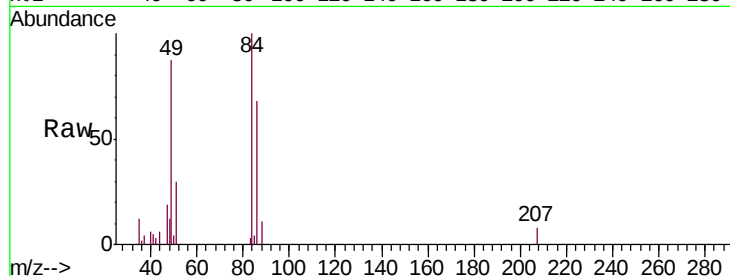
Ion Ratio Lower Upper

84 100

49 86.5 81.0 121.6

51 30.4 24.9 37.3

86 68.5 52.7 79.1



#31

Cyclohexane

Concen: 1.018 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002441.D

Acq: 21 Apr 2020 18:17

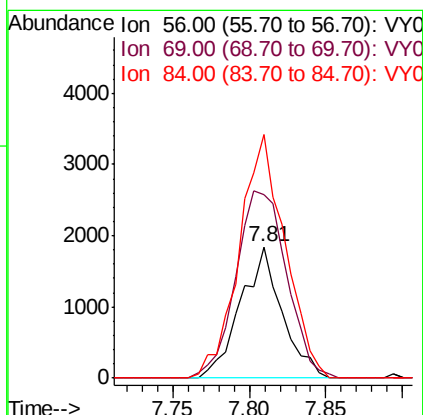
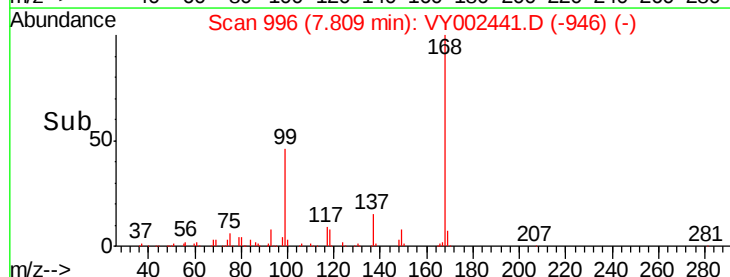
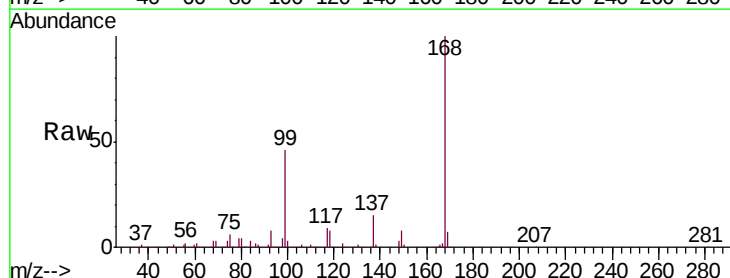
Tgt Ion: 56 Resp: 3486

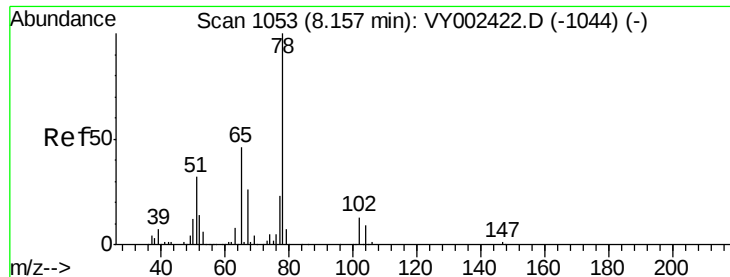
Ion Ratio Lower Upper

56 100

69 139.8 29.1 43.7#

84 185.1 79.4 119.2#





#33

1,2-Dichloroethane-d4

Concen: 60.299 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VY002441.D

Acq: 21 Apr 2020 18:17

Instrument :

MSVOA_Y

ClientSampled :

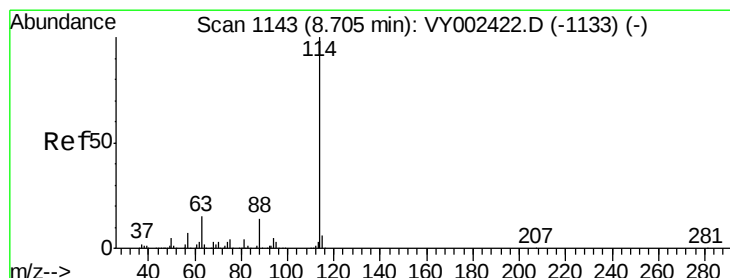
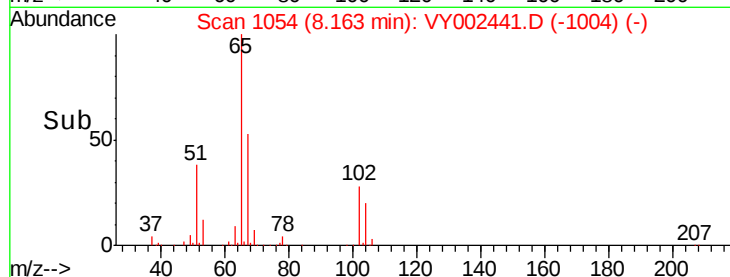
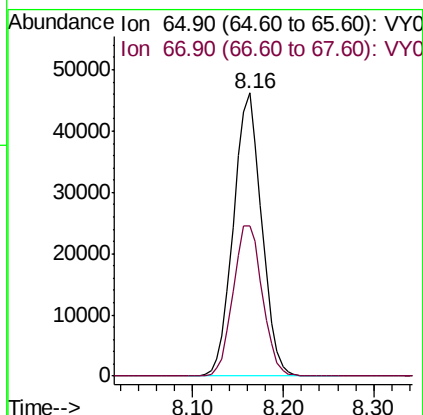
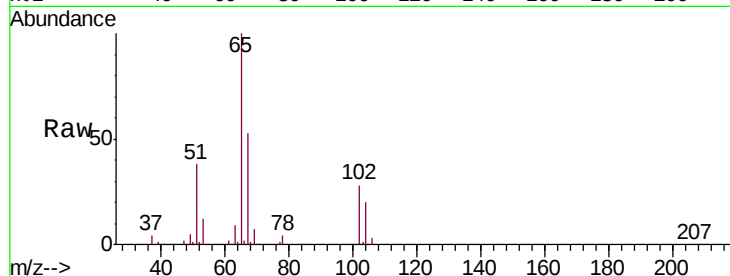
TP-6-S2RE

Tgt Ion: 65 Resp: 99799

Ion Ratio Lower Upper

65 100

67 55.2 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VY002441.D

Acq: 21 Apr 2020 18:17

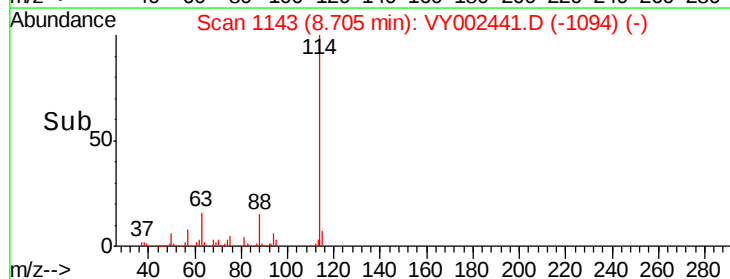
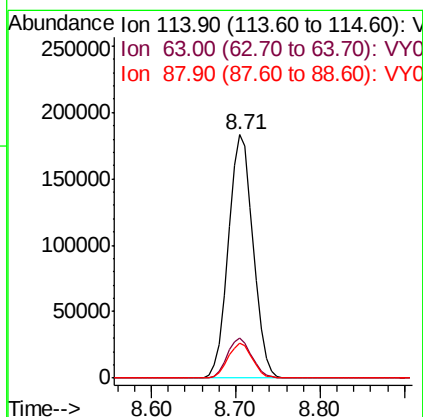
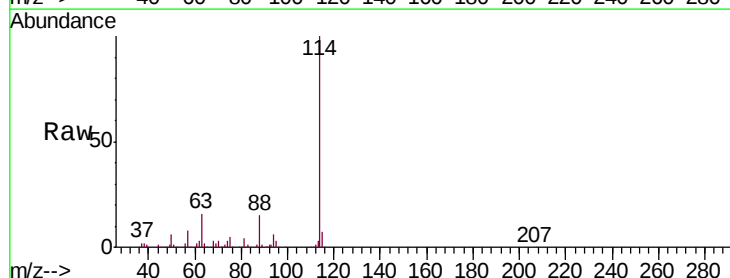
Tgt Ion: 114 Resp: 363891

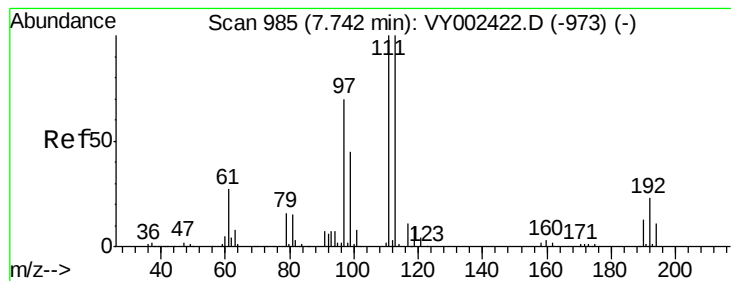
Ion Ratio Lower Upper

114 100

63 16.3 0.0 31.0

88 14.6 0.0 28.2





#35

Dibromofluoromethane

Concen: 54.911 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY002441.D

Acq: 21 Apr 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

TP-6-S2RE

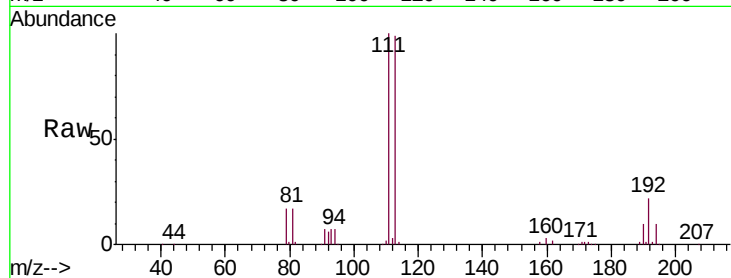
Tgt Ion:113 Resp: 105099

Ion Ratio Lower Upper

113 100

111 102.1 81.7 122.5

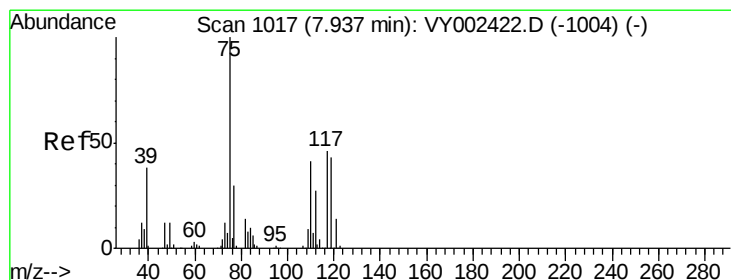
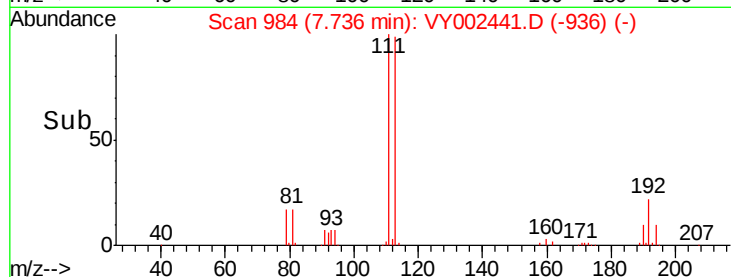
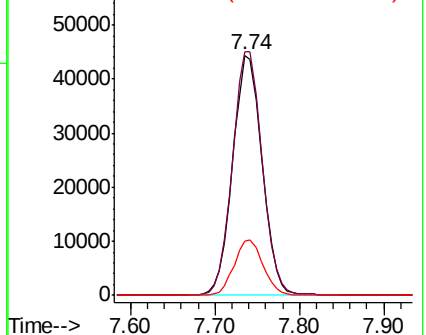
192 22.5 17.8 26.6



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: 4.481 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.13 min

Lab File: VY002441.D

Acq: 21 Apr 2020 18:17

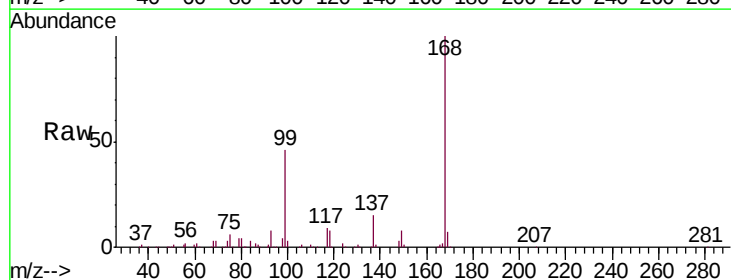
Tgt Ion: 75 Resp: 13119

Ion Ratio Lower Upper

75 100

110 9.8 20.4 61.2#

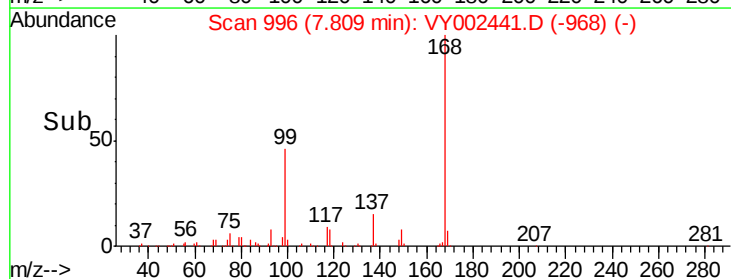
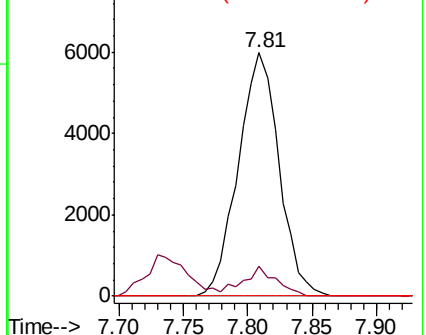
77 0.0 25.5 38.3#

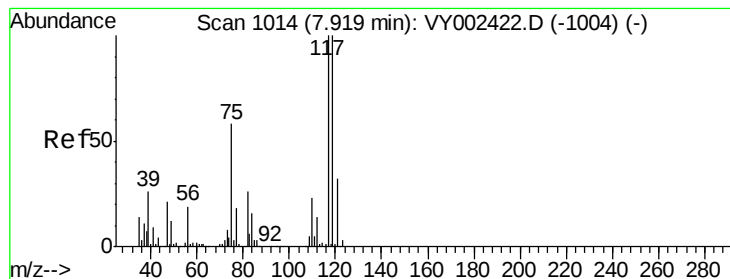


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.782 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.11 min

Lab File: VY002441.D

Acq: 21 Apr 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

TP-6-S2RE

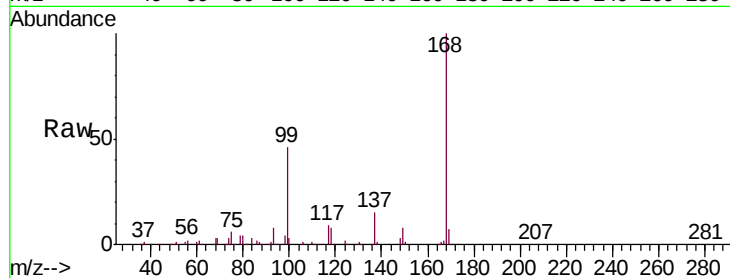
Tgt Ion:117 Resp: 20002

Ion Ratio Lower Upper

117 100

119 5.0 79.6 119.4#

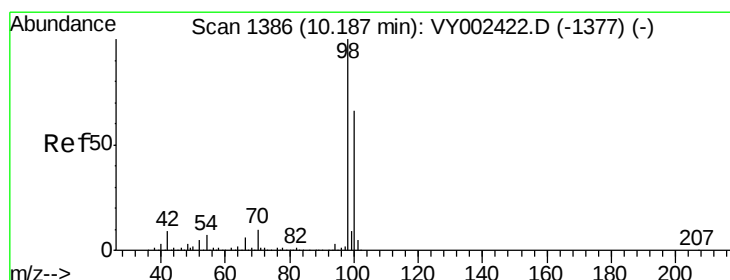
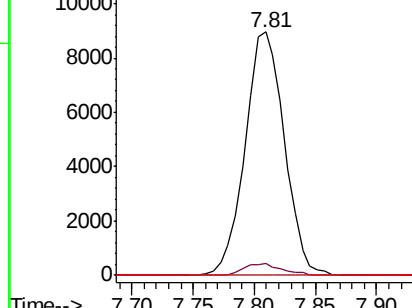
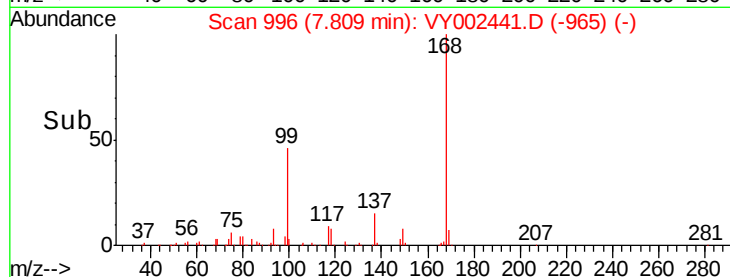
121 0.0 25.4 38.2#



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: 53.809 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002441.D

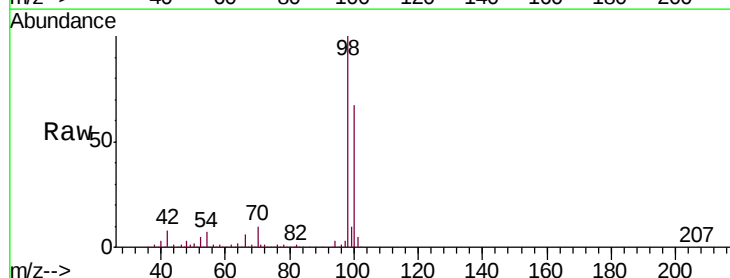
Acq: 21 Apr 2020 18:17

Tgt Ion: 98 Resp: 416554

Ion Ratio Lower Upper

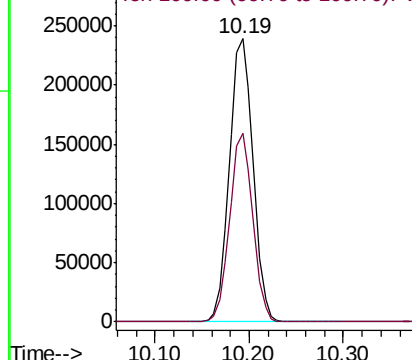
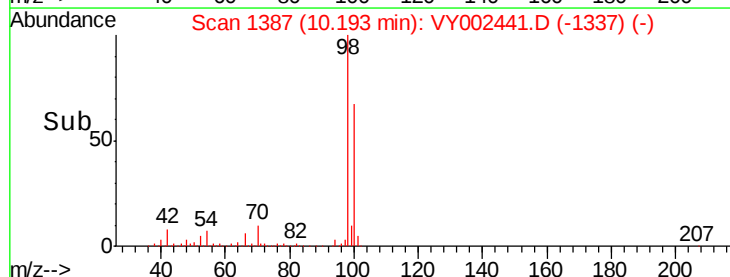
98 100

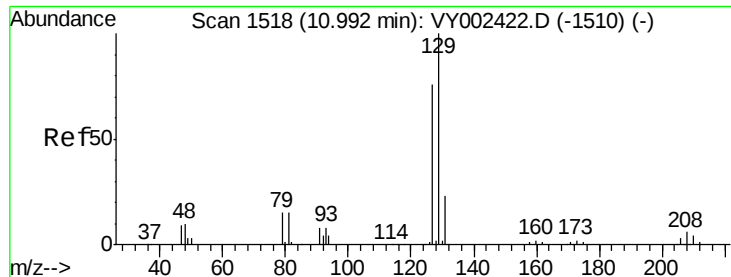
100 64.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

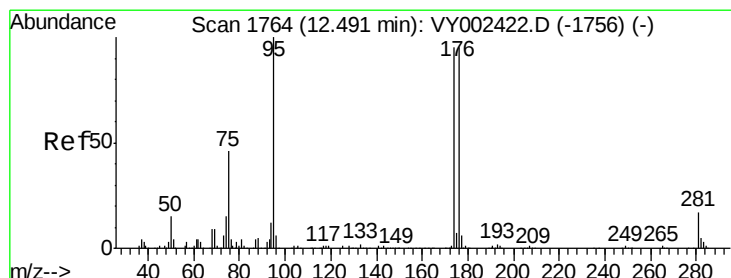
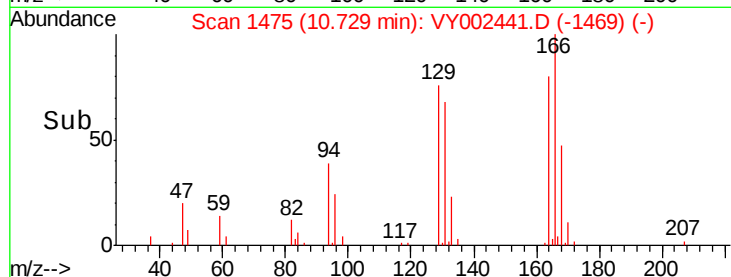
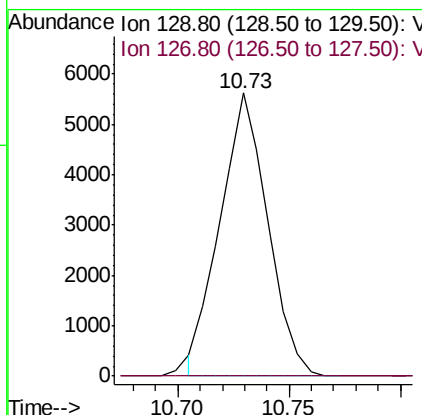
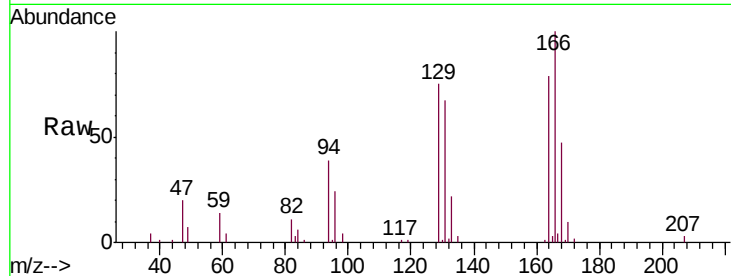




#60
 Dibromochloromethane
 Concen: 3.847 ug/l
 RT: 10.73 min Scan# 1475
 Delta R.T. -0.26 min
 Lab File: VY002441.D
 Acq: 21 Apr 2020 18:17

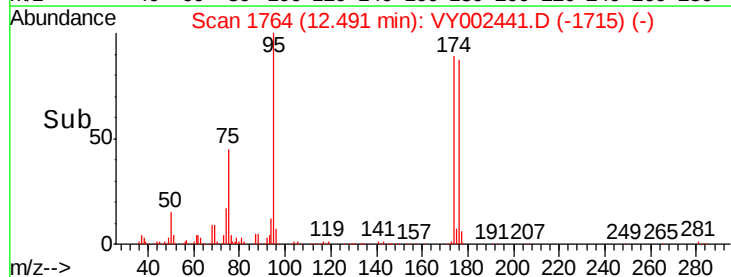
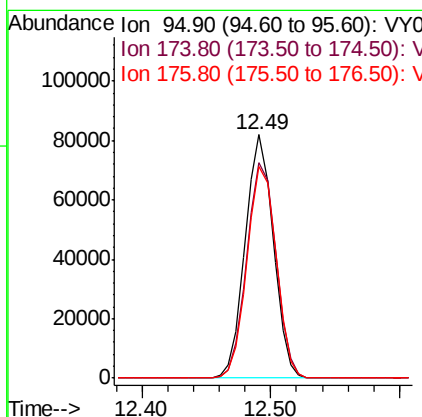
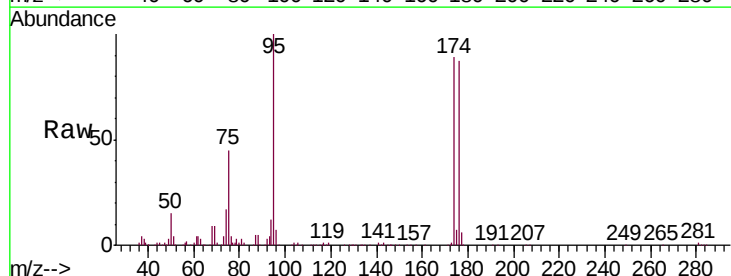
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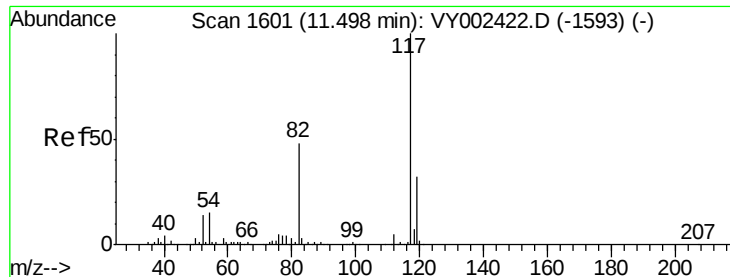
Tgt Ion: 129 Resp: 8350
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 115.7#



#62
 4-Bromofluorobenzene
 Concen: 48.285 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002441.D
 Acq: 21 Apr 2020 18:17

Tgt Ion: 95 Resp: 123411
 Ion Ratio Lower Upper
 95 100
 174 92.3 0.0 185.8
 176 90.0 0.0 181.2

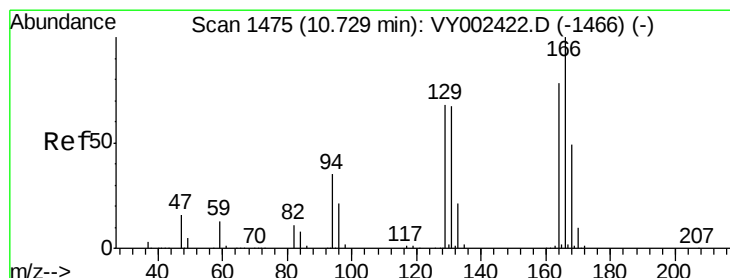
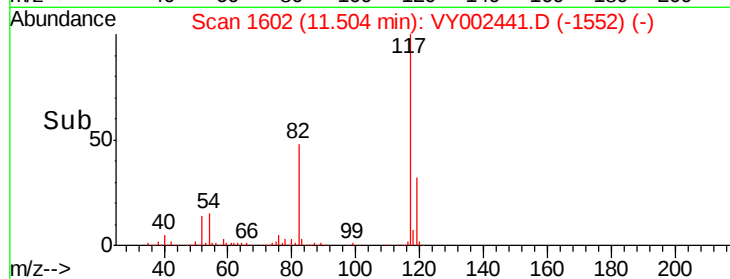
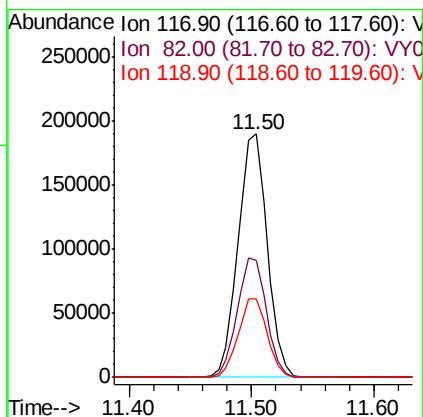
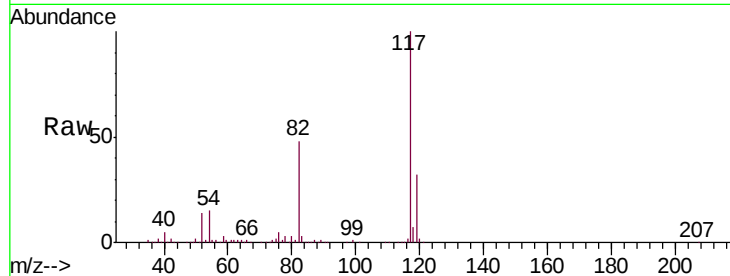




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002441.D
Acq: 21 Apr 2020 18:17

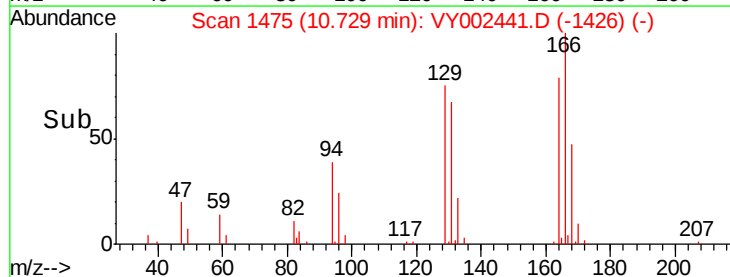
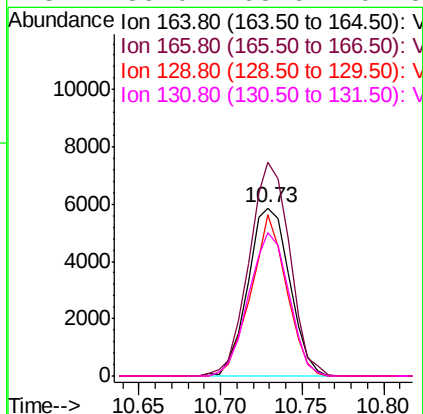
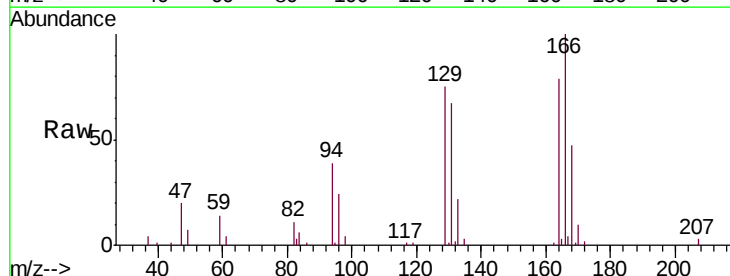
Instrument :
MSVOA_Y
ClientSampleId :
TP-6-S2RE

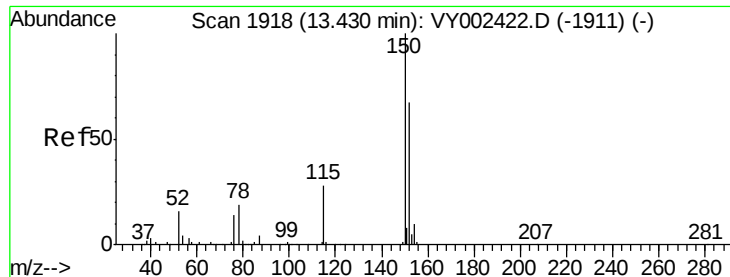
Tgt Ion:117 Resp: 312753
Ion Ratio Lower Upper
117 100
82 47.8 38.4 57.6
119 32.4 25.3 37.9



#64
Tetrachloroethene
Concen: 3.125 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY002441.D
Acq: 21 Apr 2020 18:17

Tgt Ion:164 Resp: 10427
Ion Ratio Lower Upper
164 100
166 127.1 102.4 153.6
129 95.8 70.1 105.1
131 85.0 68.6 102.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002441.D

Acq: 21 Apr 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

TP-6-S2RE

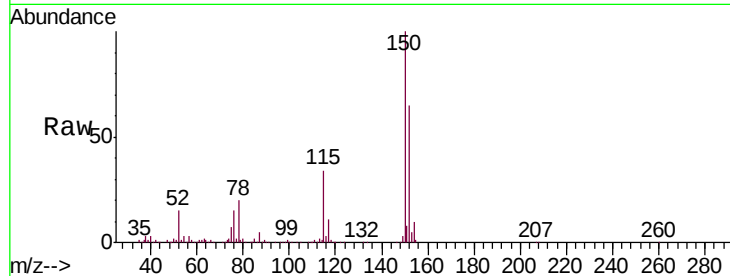
Tgt Ion: 152 Resp: 140219

Ion Ratio Lower Upper

152 100

115 53.1 27.3 81.8

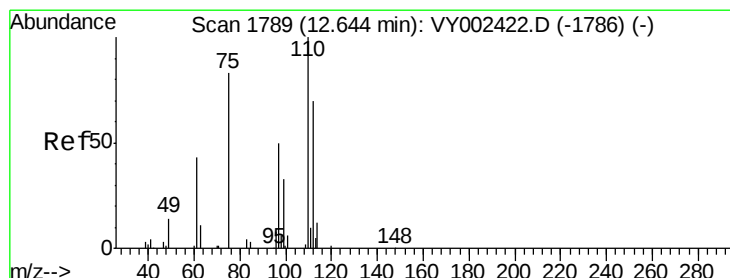
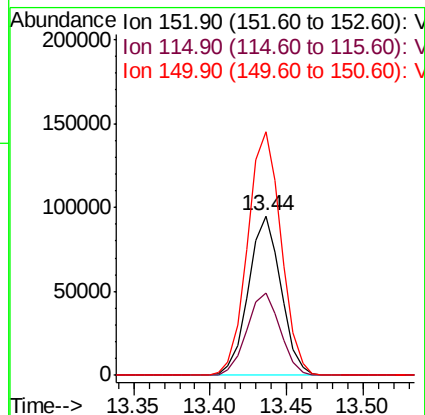
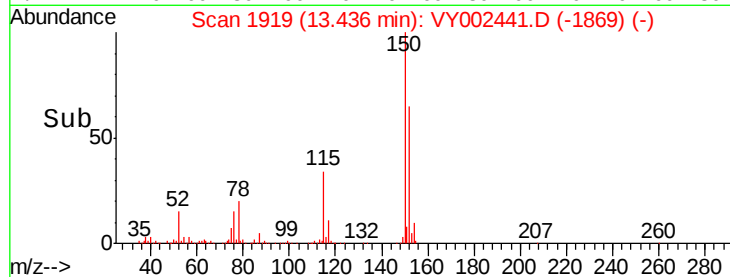
150 157.3 0.0 344.0



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: 45.506 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002441.D

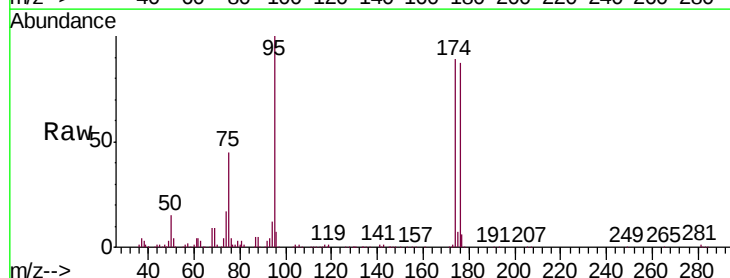
Acq: 21 Apr 2020 18:17

Tgt Ion: 75 Resp: 56213

Ion Ratio Lower Upper

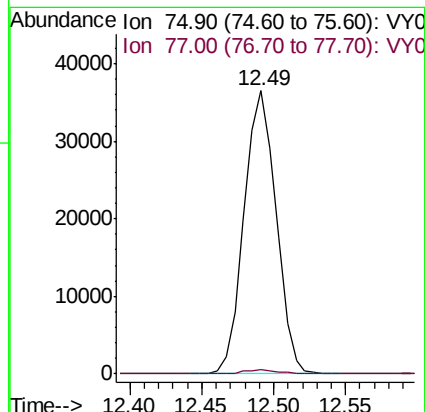
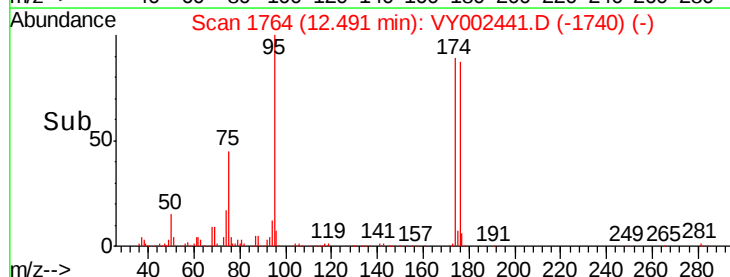
75 100

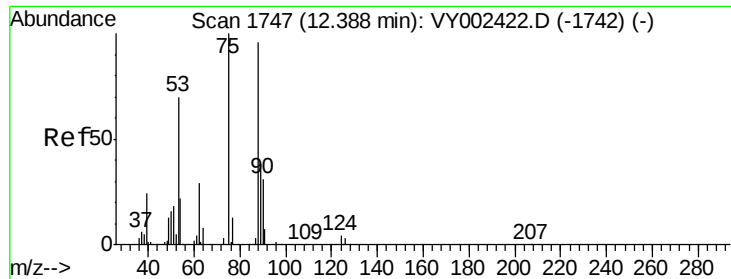
77 1.5 0.0 0.0#



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: 88.686 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002441.D

Acq: 21 Apr 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

TP-6-S2RE

Tgt Ion: 75 Resp: 56213

Ion Ratio Lower Upper

75 100

53 0.0 58.7 88.1#

89 0.1 37.9 56.9#

