

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070620\
 Data File : VY003114.D
 Acq On : 06 Jul 2020 16:27
 Operator : SY/MD
 Sample : L3228-02
 Misc : 7.04G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-217

Quant Time: Jul 07 07:04:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	281875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	451485	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	425642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	211622	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	150282	53.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.36%	
35) Dibromofluoromethane	7.72	113	150175	53.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.64%	
50) Toluene-d8	10.18	98	538740	51.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.48	95	191611	51.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.76%	

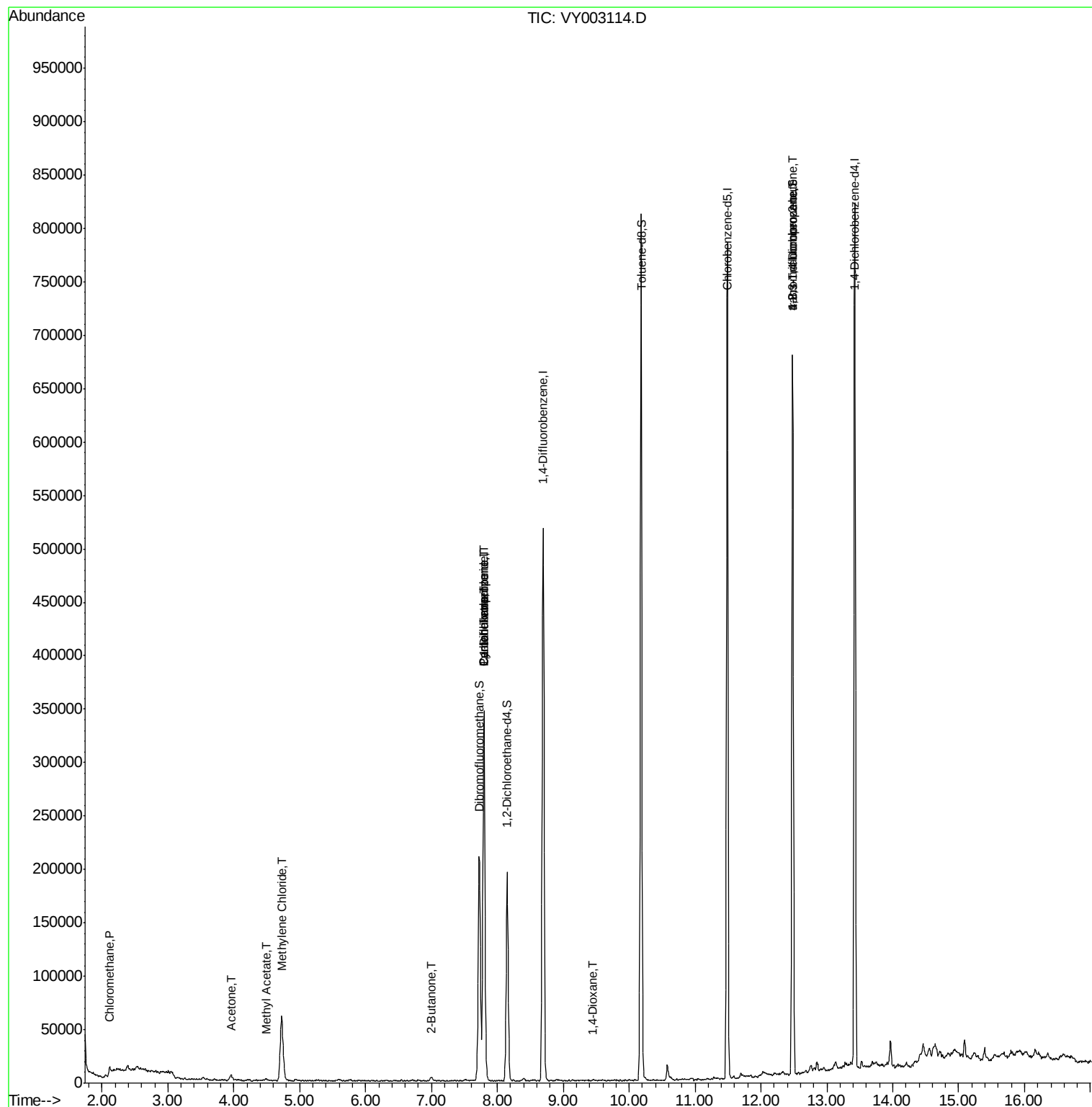
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	3660	1.171	ug/l	89
16) Acetone	3.96	43	9557	14.474	ug/l	97
18) Methyl Acetate	4.49	43	2897	1.629	ug/l #	83
20) Methylene Chloride	4.72	84	46563	10.263	ug/l	90
25) 2-Butanone	7.00	43	4198	4.002	ug/l #	83
31) Cyclohexane	7.80	56	4956	1.007	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	18541	4.263	ug/l #	52
38) Carbon Tetrachloride	7.80	117	25439	5.622	ug/l #	17
49) 1,4-Dioxane	9.44	88	26	1.191	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	97104	46.363	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	97104	90.204	ug/l #	12

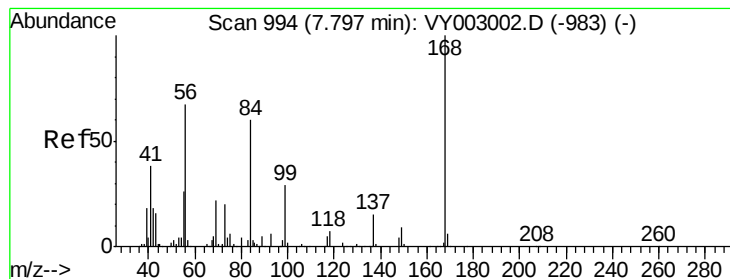
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 07 07:04:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003114.D

Acq: 06 Jul 2020 16:27

Instrument :

MSVOA_Y

ClientSampleId :

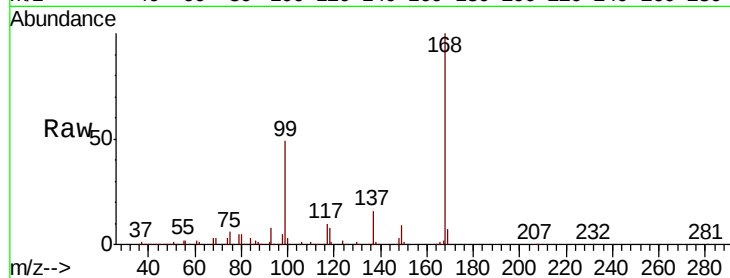
VNJ-217

Tot Ion:168 Resp: 281875

Ion Ratio Lower Upper

168 100

99 49.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003114.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003114.D (-945) (-)

7.80

150000

100000

50000

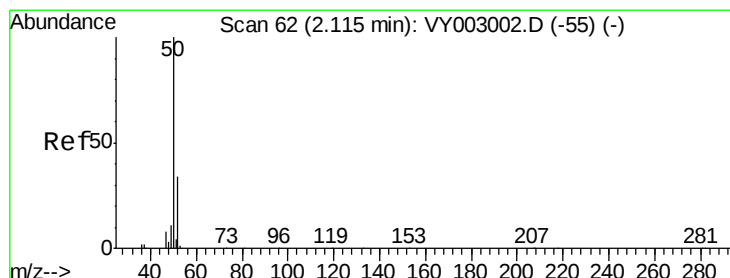
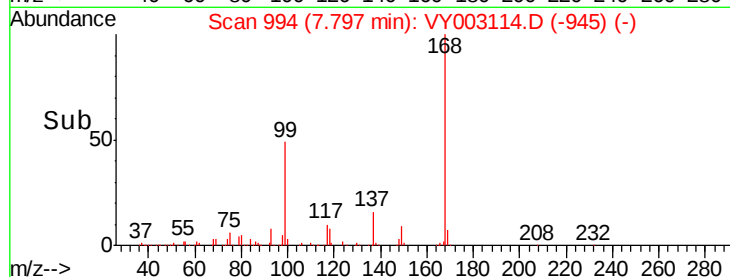
0

Time-->

7.70

7.80

7.90



#3

Chloromethane

Concen: 1.171 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003114.D

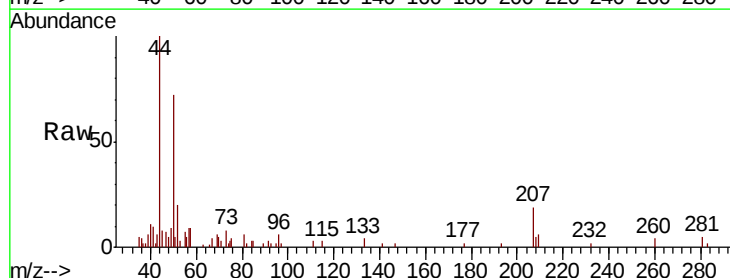
Acq: 06 Jul 2020 16:27

Tgt Ion: 50 Resp: 3660

Ion Ratio Lower Upper

50 100

52 27.2 26.9 40.3



Abundance Ion 49.90 (49.60 to 50.60): VY003114.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY003114.D (-13) (-)

2.12

3000

2500

2000

1500

1000

500

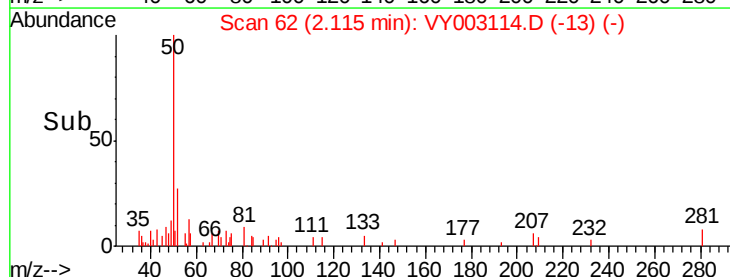
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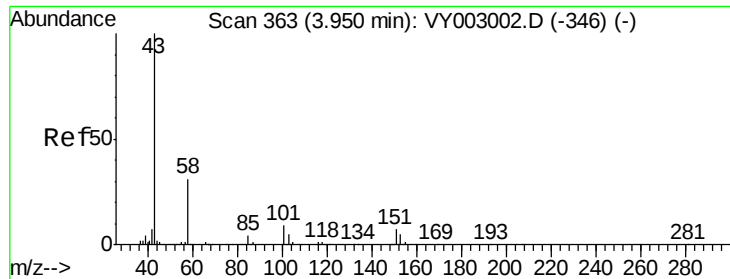
Time-->

2.05

2.10

2.15





#16

Acetone

Concen: 14.474 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003114.D

Acq: 06 Jul 2020 16:27

Instrument :

MSVOA_Y

ClientSampleId :

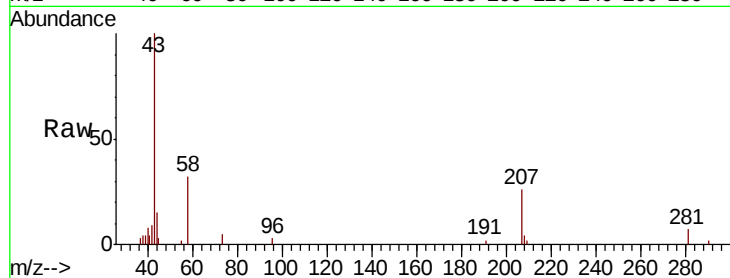
VNJ-217

Tot Ion: 43 Resp: 9557

Ion Ratio Lower Upper

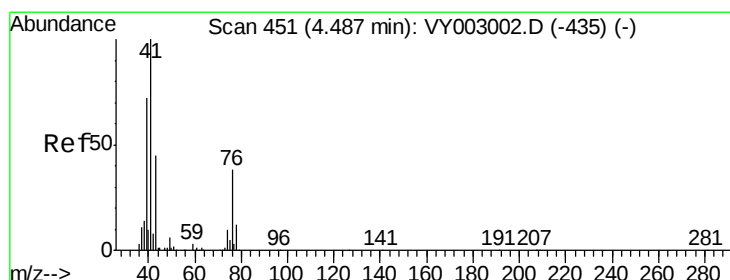
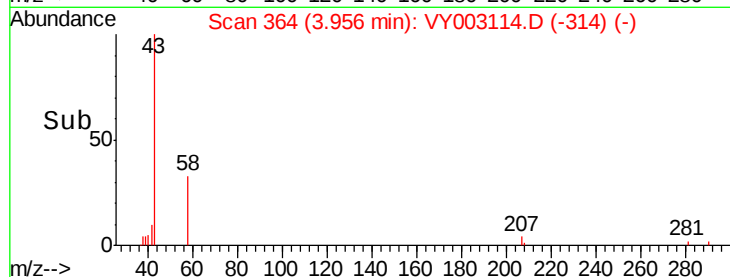
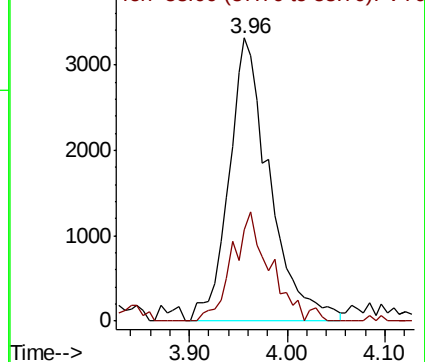
43 100

58 32.3 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#18

Methyl Acetate

Concen: 1.629 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY003114.D

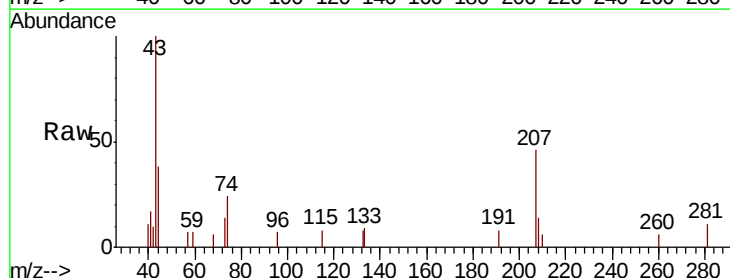
Acq: 06 Jul 2020 16:27

Tgt Ion: 43 Resp: 2897

Ion Ratio Lower Upper

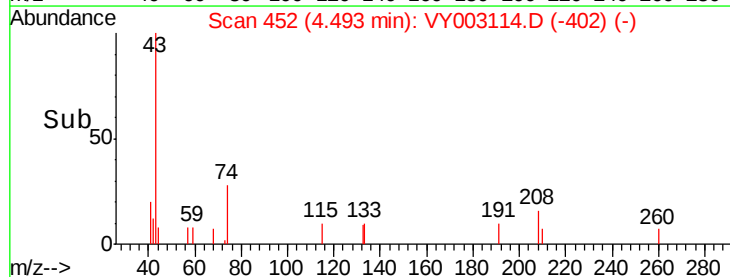
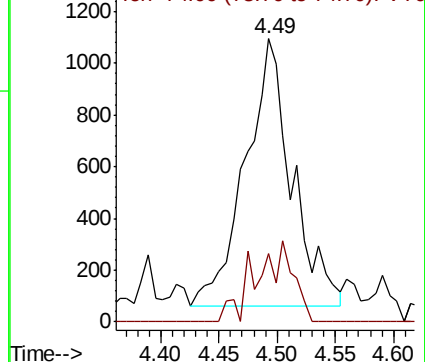
43 100

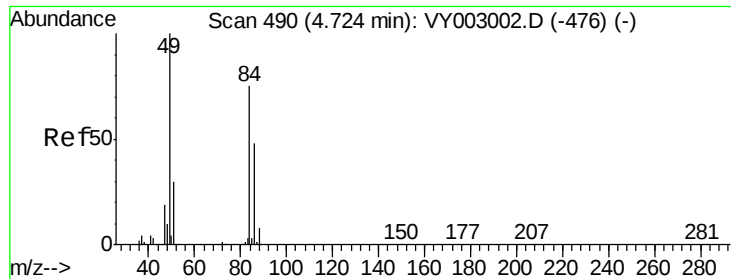
74 14.7 18.2 27.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

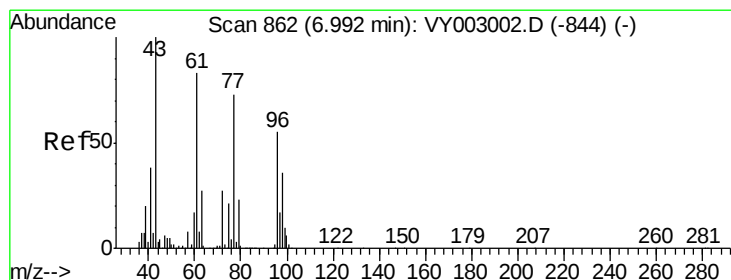
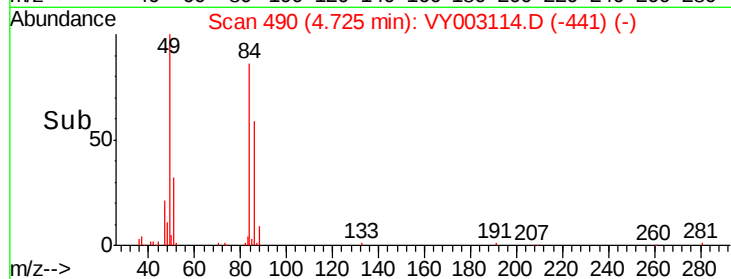
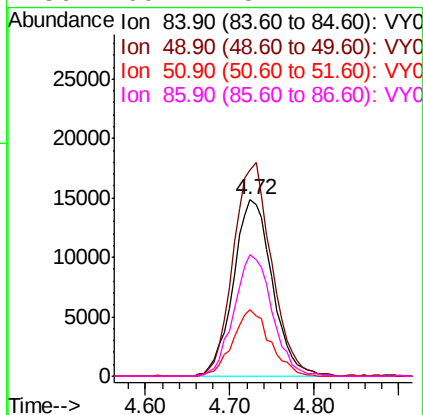
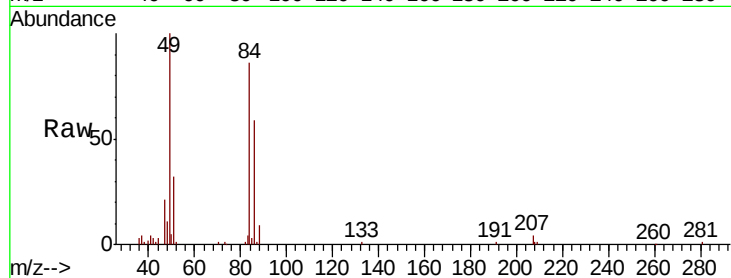




#20
Methvlene Chloride
Concen: 10.263 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003114.D
Acq: 06 Jul 2020 16:27

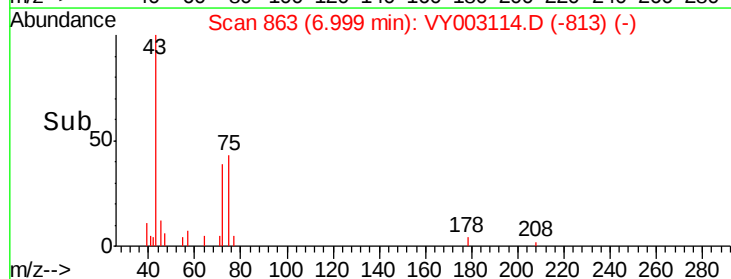
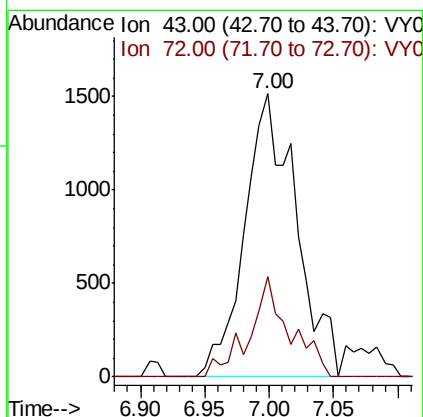
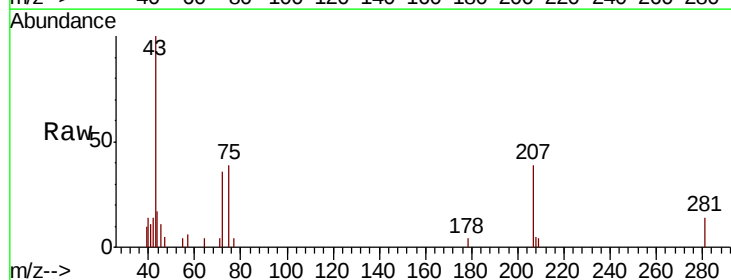
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-217

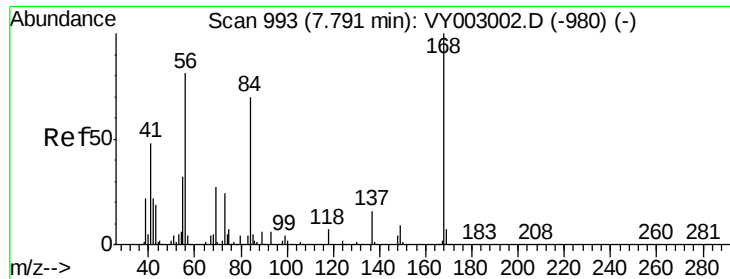
Tot Ion: 84 Resp: 46563
Ion Ratio Lower Upper
84 100
49 116.9 106.8 160.2
51 37.8 32.0 48.0
86 69.1 51.4 77.2



#25
2-Butanone
Concen: 4.002 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003114.D
Acq: 06 Jul 2020 16:27

Tgt Ion: 43 Resp: 4198
Ion Ratio Lower Upper
43 100
72 35.6 21.4 32.0#

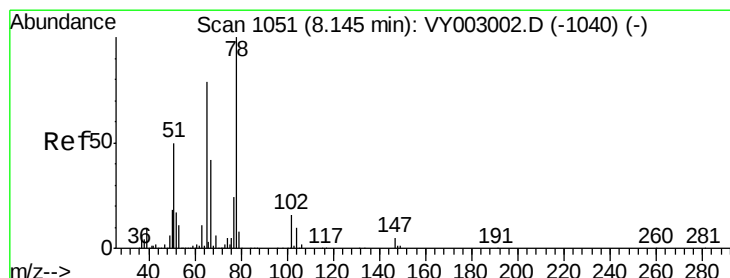
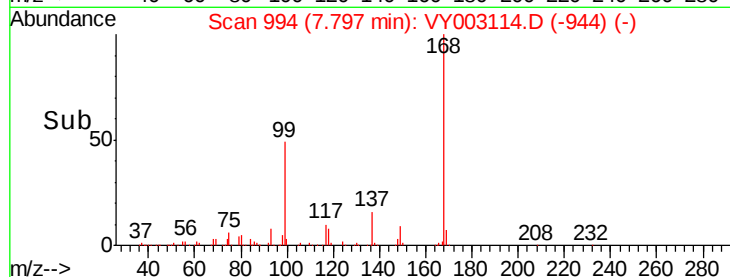
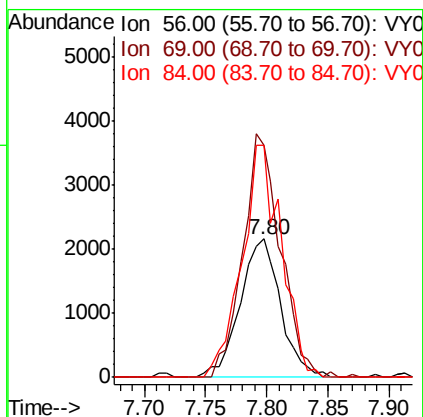
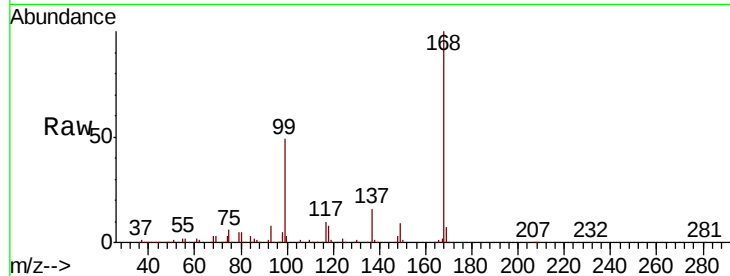




#31
Cyclohexane
Concen: 1.007 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003114.D
Acq: 06 Jul 2020 16:27

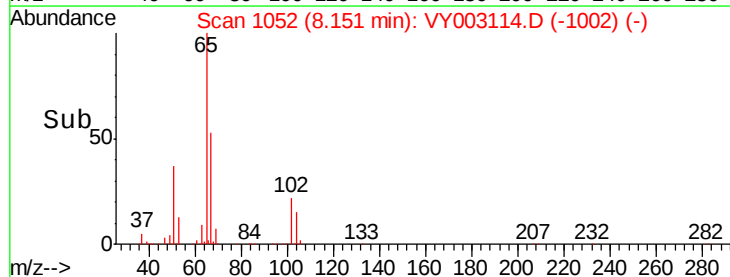
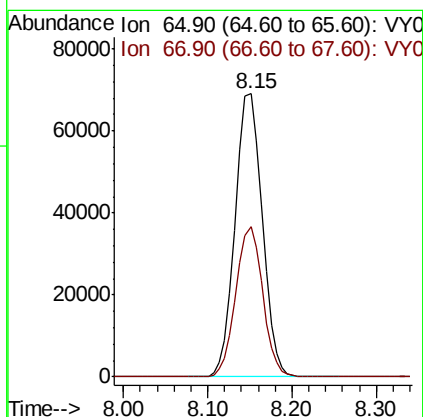
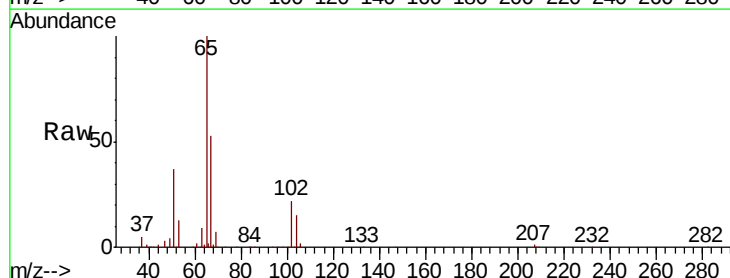
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-217

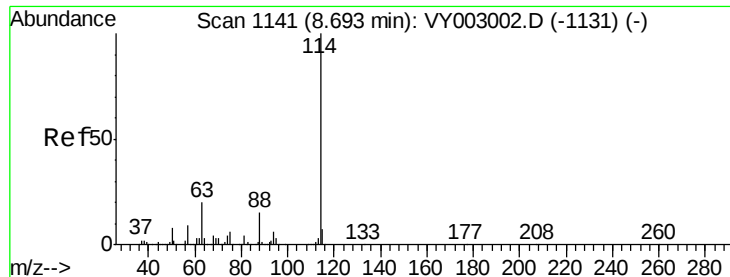
Tot Ion: 56 Resp: 4956
Ion Ratio Lower Upper
56 100
69 167.2 27.0 40.4#
84 167.0 68.1 102.1#



#33
1,2-Dichloroethane-d4
Concen: 53.680 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VY003114.D
Acq: 06 Jul 2020 16:27

Tgt Ion: 65 Resp: 150282
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY003114.D

Acq: 06 Jul 2020 16:27

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-217

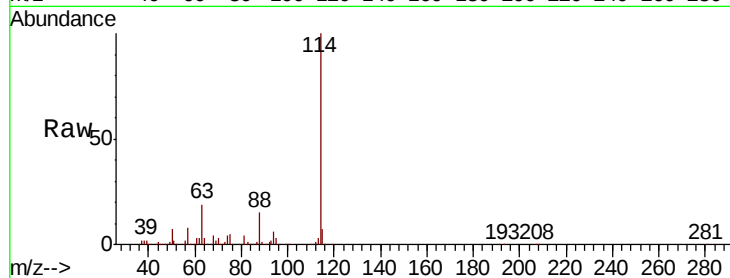
Tot Ion:114 Resp: 451485

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.6

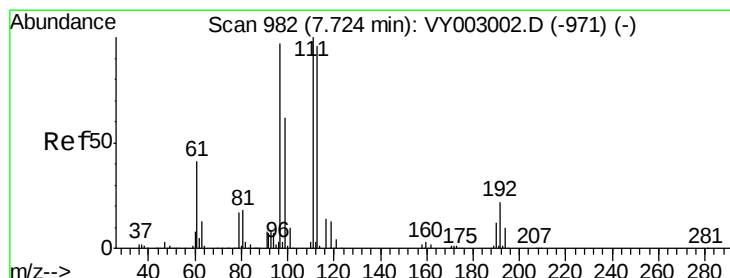
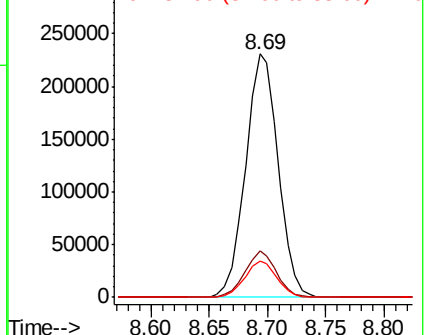
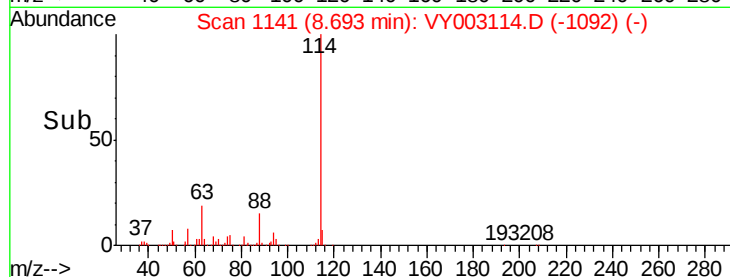
88 14.7 0.0 30.0



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: 53.321 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003114.D

Acq: 06 Jul 2020 16:27

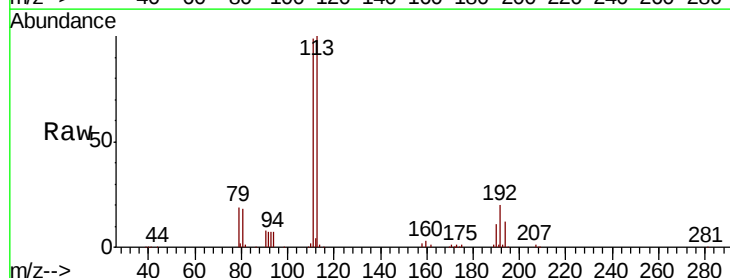
Tgt Ion:113 Resp: 150175

Ion Ratio Lower Upper

113 100

111 100.2 82.6 123.8

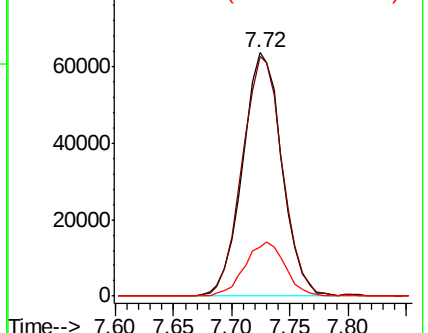
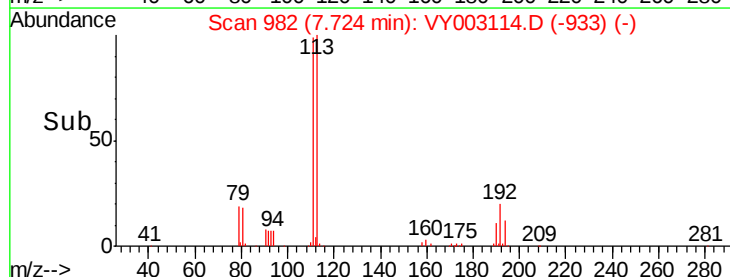
192 22.8 18.1 27.1

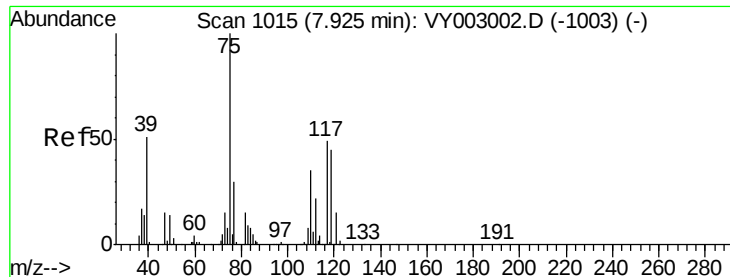


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.263 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003114.D

Acq: 06 Jul 2020 16:27

Instrument :

MSVOA_Y

ClientSampled :

VNJ-217

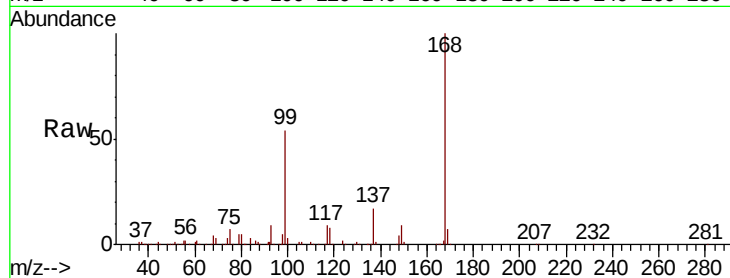
Tot Ion: 75 Resp: 18541

Ion Ratio Lower Upper

75 100

110 10.7 17.1 51.2#

77 0.0 24.9 37.3#

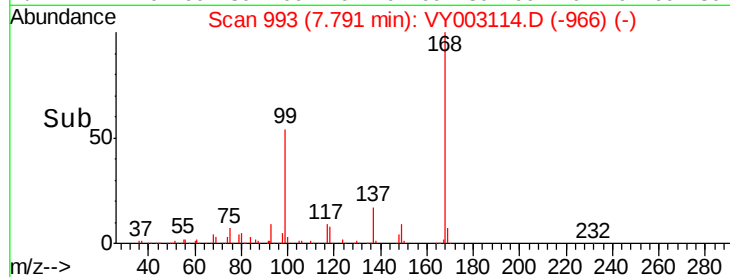


Abundance Ion 74.90 (74.60 to 75.60): VY003114.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY003114.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY003114.D (-966) (-)

Time-->

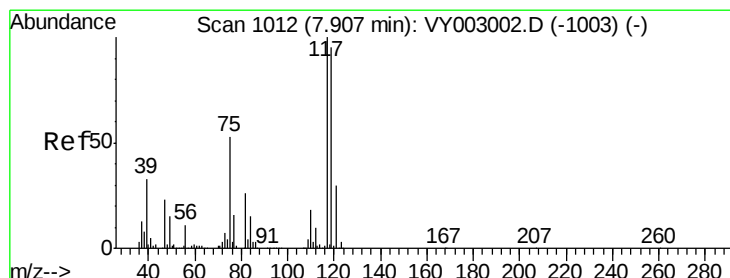


Abundance Ion 74.90 (74.60 to 75.60): VY003114.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY003114.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY003114.D (-966) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.622 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003114.D

Acq: 06 Jul 2020 16:27

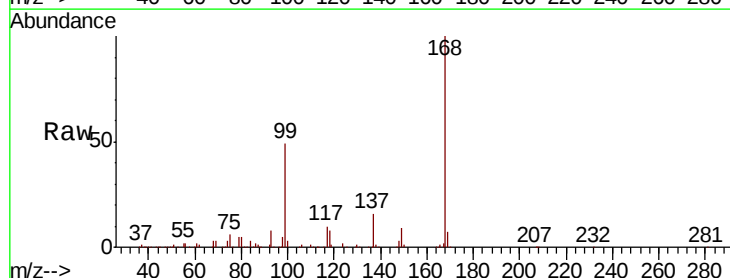
Tgt Ion: 117 Resp: 25439

Ion Ratio Lower Upper

117 100

119 5.8 75.7 113.5#

121 0.0 23.9 35.9#

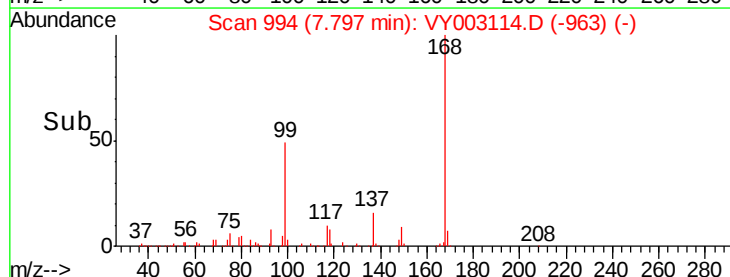


Abundance Ion 116.80 (116.50 to 117.50): VY003114.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY003114.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003114.D (-963) (-)

Time-->

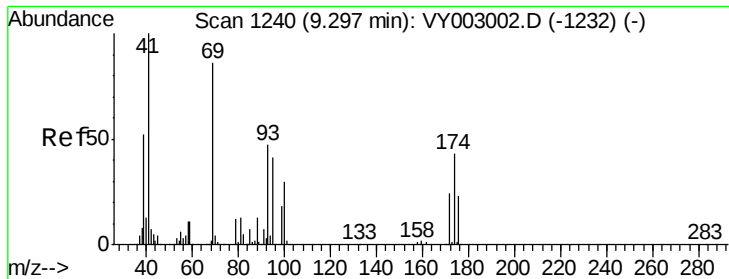


Abundance Ion 116.80 (116.50 to 117.50): VY003114.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY003114.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003114.D (-963) (-)

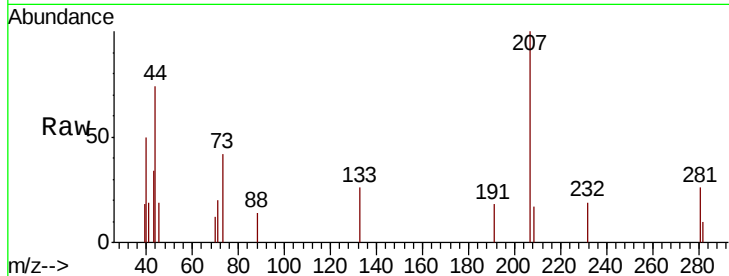
Time-->



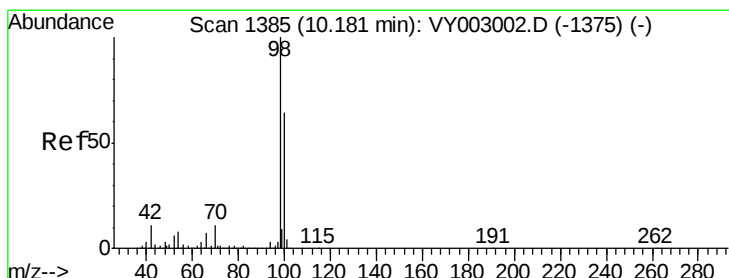
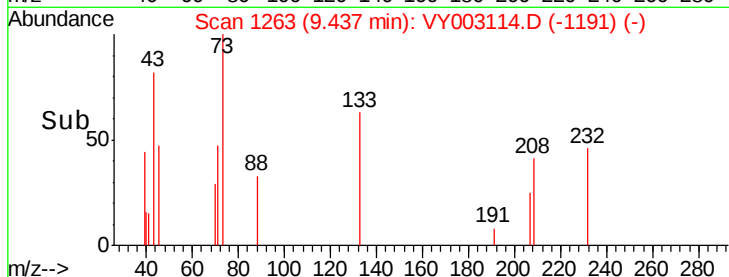
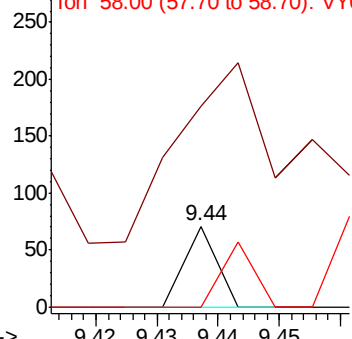
#49
1,4-Dioxane
Concen: 1.191 ug/l
RT: 9.44 min Scan# 1263
Delta R.T. 0.14 min
Lab File: VY003114.D
Acq: 06 Jul 2020 16:27

Instrument :
MSVOA_Y
ClientSampled :
VNJ-217

Tot Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 1838.5 28.6 42.8#
58 80.8 56.7 85.1

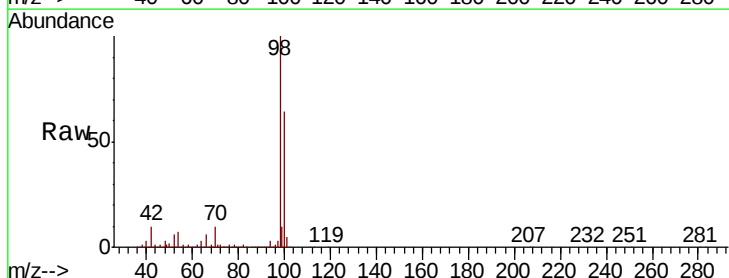


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

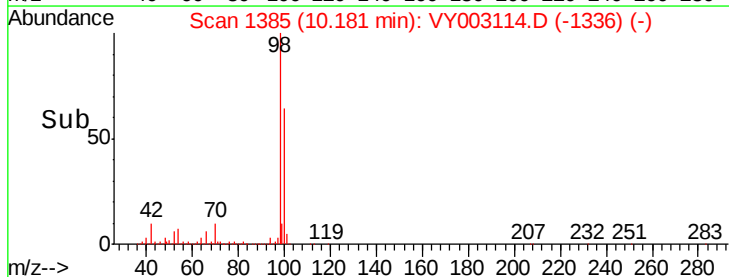
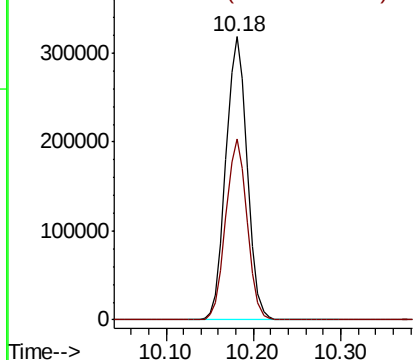


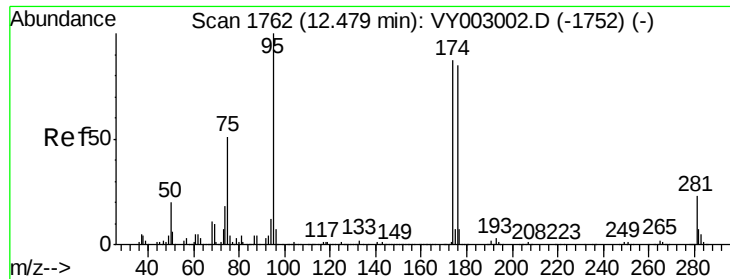
#50
Toluene-d8
Concen: 51.345 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY003114.D
Acq: 06 Jul 2020 16:27

Tgt Ion: 98 Resp: 538740
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



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





#62

4-Bromofluorobenzene

Concen: 51.880 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003114.D

Acq: 06 Jul 2020 16:27

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-217

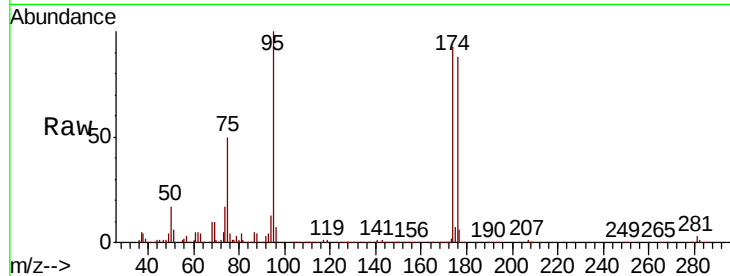
Tot Ion: 95 Resp: 191611

Ion Ratio Lower Upper

95 100

174 96.3 0.0 184.8

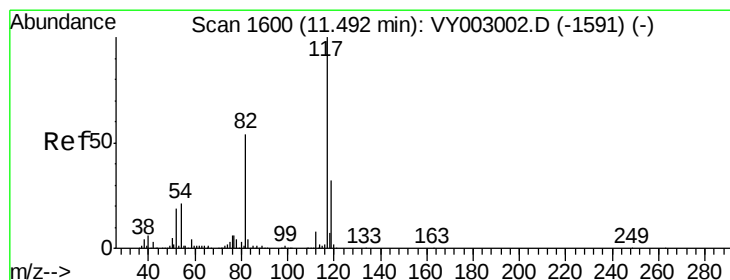
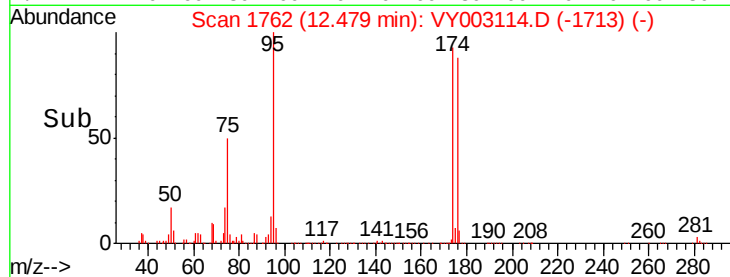
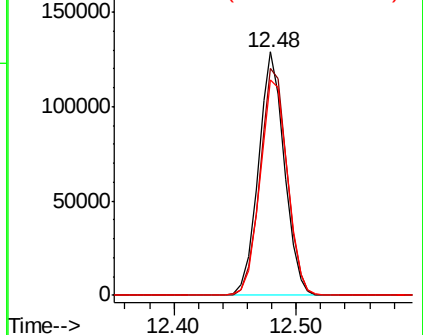
176 93.4 0.0 183.0



Abundance Ion 94.90 (94.60 to 95.60): VY003114.D (-1752) (-)

Ion 173.80 (173.50 to 174.50): VY003114.D (-1752) (-)

Ion 175.80 (175.50 to 176.50): VY003114.D (-1752) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY003114.D

Acq: 06 Jul 2020 16:27

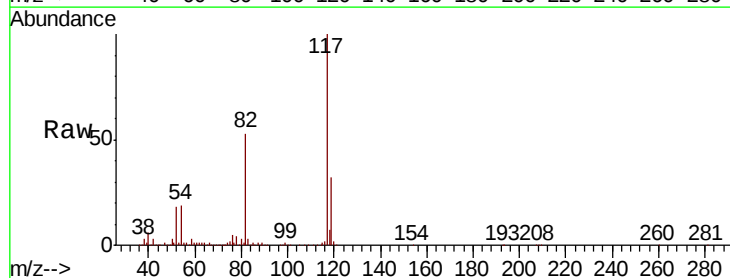
Tgt Ion: 117 Resp: 425642

Ion Ratio Lower Upper

117 100

82 53.1 43.0 64.6

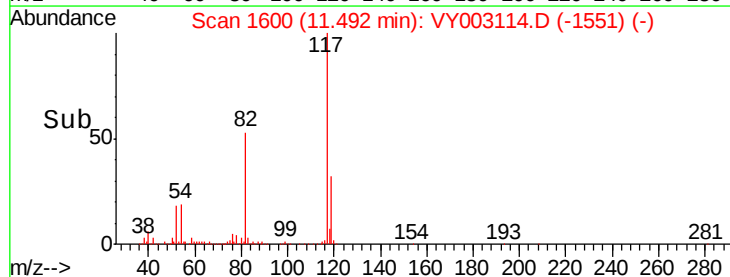
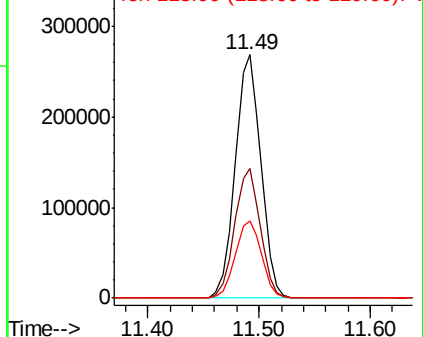
119 31.7 25.8 38.8

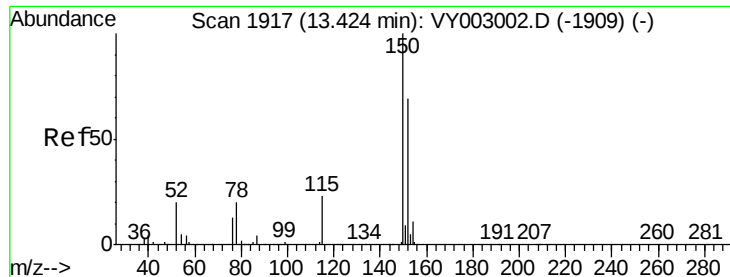


Abundance Ion 116.90 (116.60 to 117.60): VY003114.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY003114.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY003114.D (-1551) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY003114.D

Acq: 06 Jul 2020 16:27

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-217

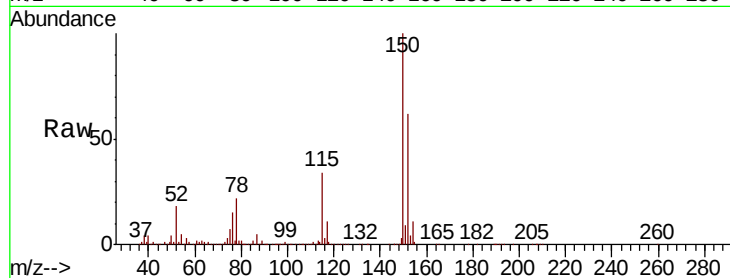
Tot Ion:152 Resp: 211622

Ion Ratio Lower Upper

152 100

115 54.1 27.3 81.9

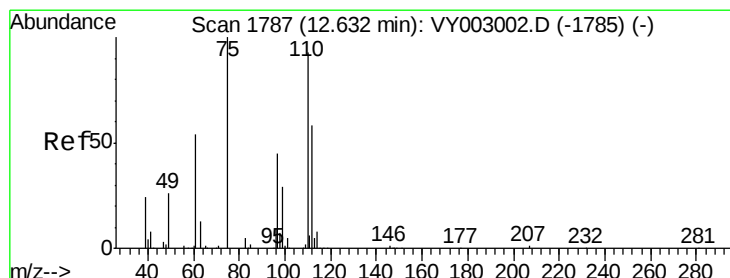
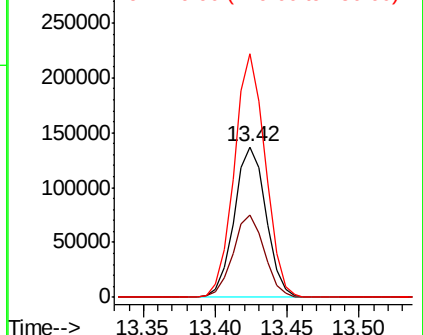
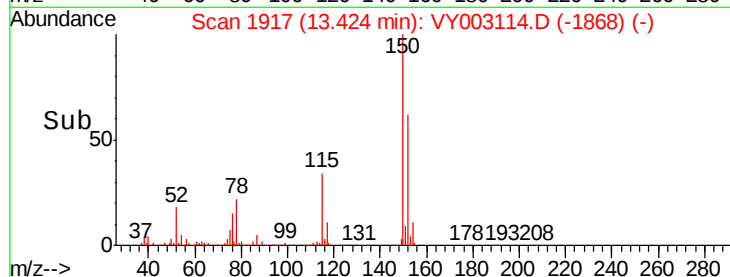
150 157.7 0.0 343.4



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: 46.363 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003114.D

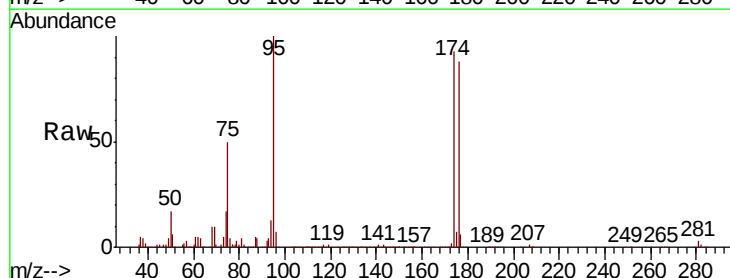
Acq: 06 Jul 2020 16:27

Tgt Ion: 75 Resp: 97104

Ion Ratio Lower Upper

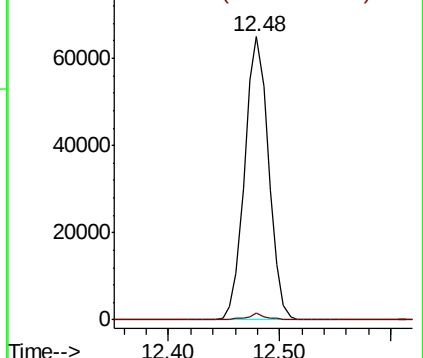
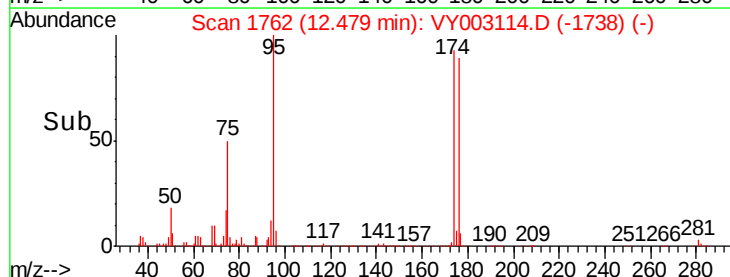
75 100

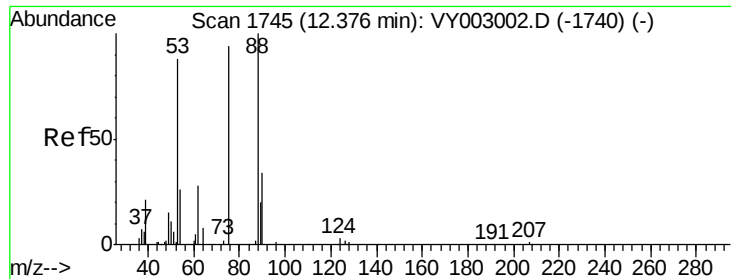
77 2.0 0.0 0.0#



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: 90.204 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003114.D

Acq: 06 Jul 2020 16:27

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-217

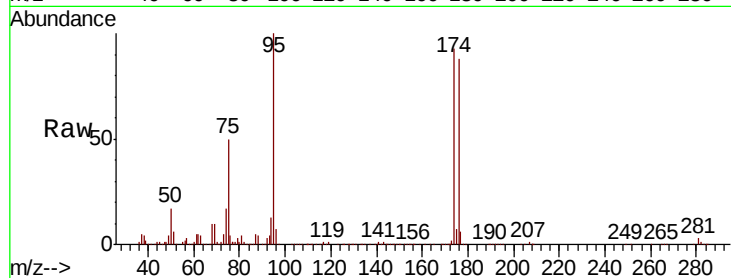
Tot Ion: 75 Resp: 97104

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.2 37.5 56.3#



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

