

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY061920\
 Data File : VY002943.D
 Acq On : 19 Jun 2020 17:24
 Operator : SY/MD
 Sample : L3051-01
 Misc : 7.75G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SLUDGE-BOX

Quant Time: Jun 20 03:57:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 15:04:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	246248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	400619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	336736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	107981	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	119658	58.83	ug/l	0.00
Spiked Amount			Recovery	=	117.66%	
35) Dibromofluoromethane	7.73	113	123722	54.58	ug/l	0.00
Spiked Amount			Recovery	=	109.16%	
50) Toluene-d8	10.18	98	455785	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.48	95	121175	39.08	ug/l	0.00
Spiked Amount			Recovery	=	78.16%	

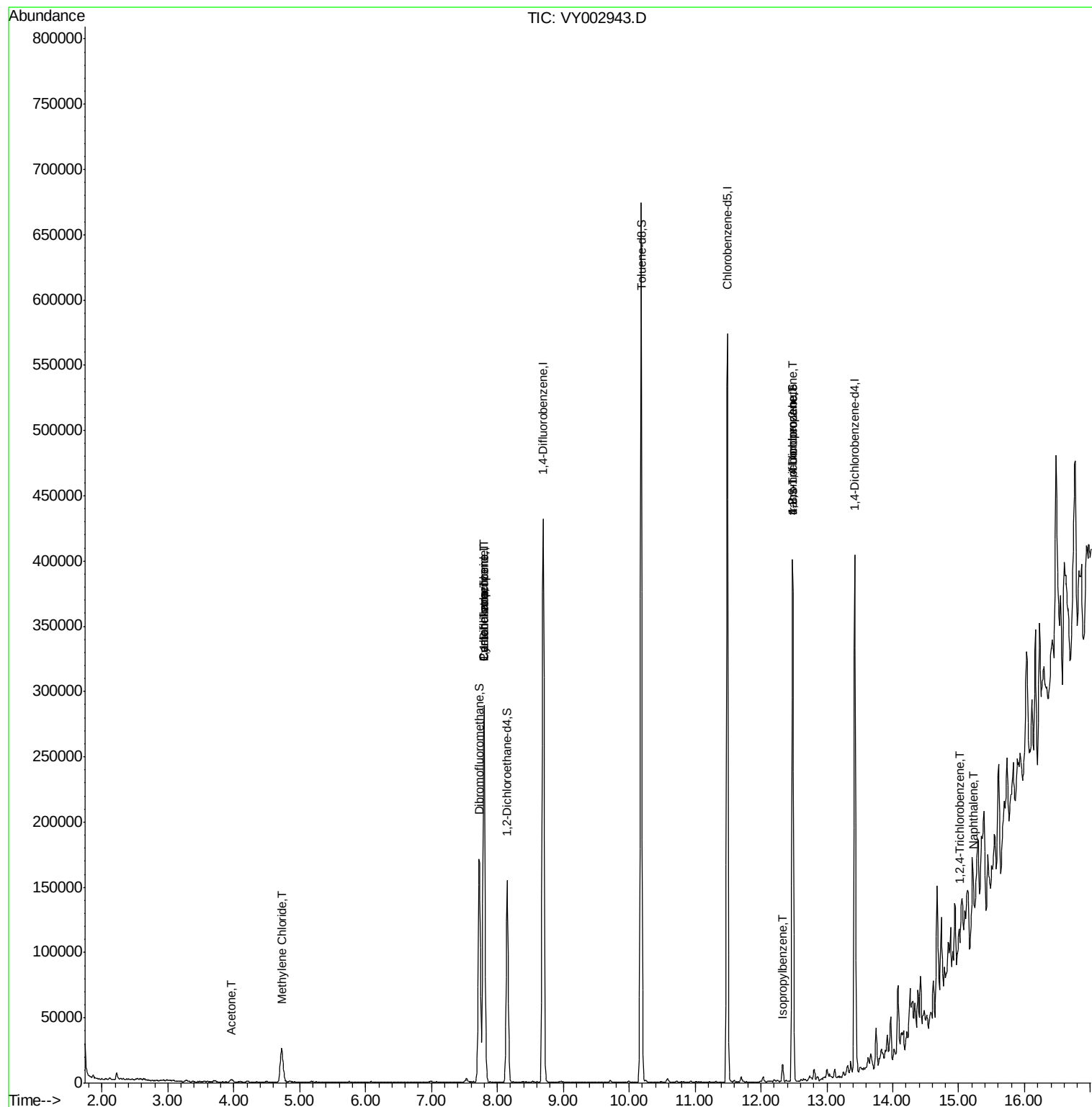
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	348	Below Cal	#	74
16) Acetone	3.96	43	3266	6.483	ug/l	90
18) Methyl Acetate	4.49	43	891	Below Cal	#	74
20) Methylene Chloride	4.72	84	21699	2.606	ug/l	93
31) Cyclohexane	7.80	56	3703	1.060	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	14726	4.526	ug/l #	49
38) Carbon Tetrachloride	7.80	117	21931	6.116	ug/l #	16
73) Isopropylbenzene	12.33	105	8772	1.325	ug/l	98
76) 1,2,3-Trichloropropane	12.48	75	57435	61.075	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	57435	116.604	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.01	180	2716	1.218	ug/l #	1
95) Naphthalene	15.23	128	8960	2.015	ug/l #	86

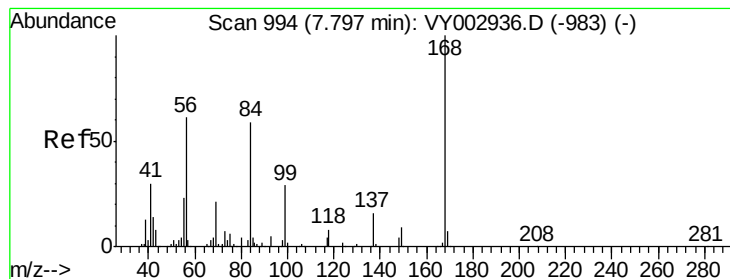
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002943.D

Acq: 19 Jun 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

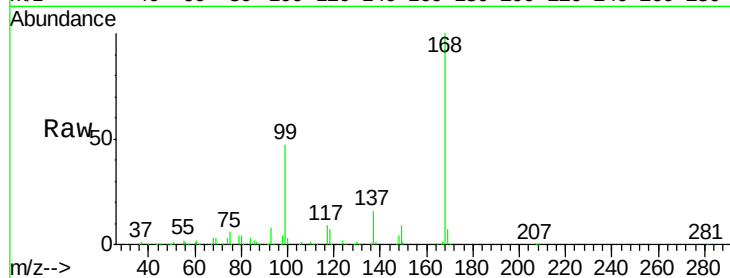
SLUDGE-BOX

Tgt Ion:168 Resp: 246248

Ion Ratio Lower Upper

168 100

99 47.2 39.5 59.3



Abundance Ion 167.90 (167.60 to 168.60): VY002943.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002943.D (-945) (-)

7.80

120000

100000

80000

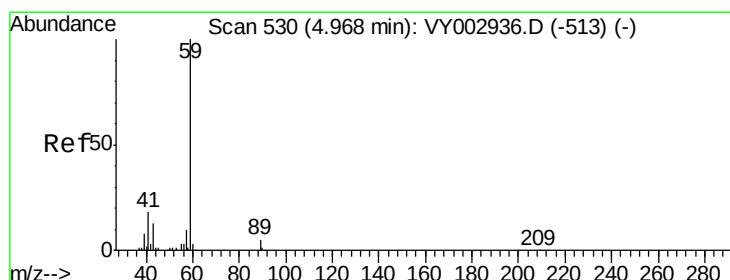
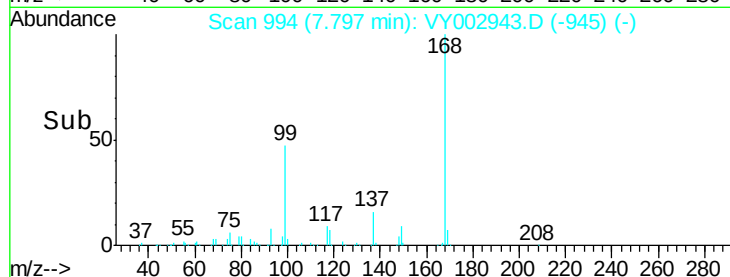
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. 0.00 min

Lab File: VY002943.D

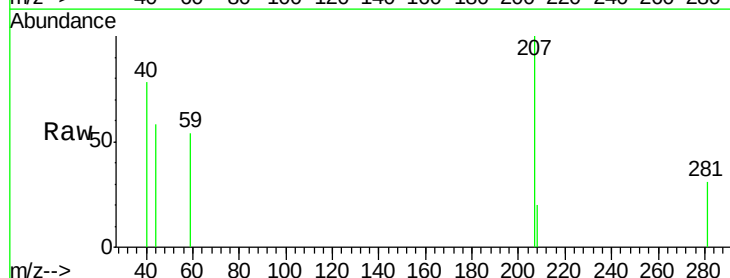
Acq: 19 Jun 2020 17:24

Tgt Ion: 59 Resp: 348

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY002943.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002943.D (-481) (-)

4.97

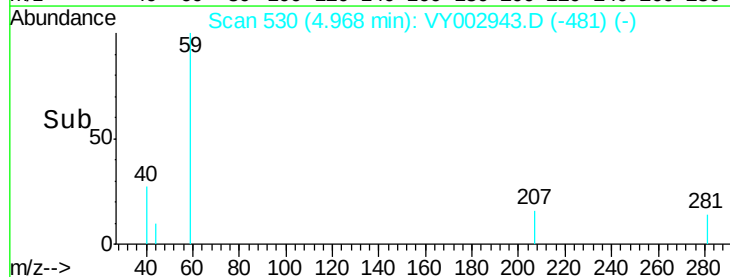
150

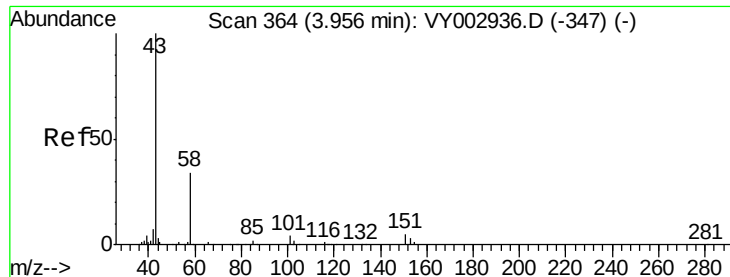
100

50

0

Time-->





#16

Acetone

Concen: 6.483 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY002943.D

Acq: 19 Jun 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

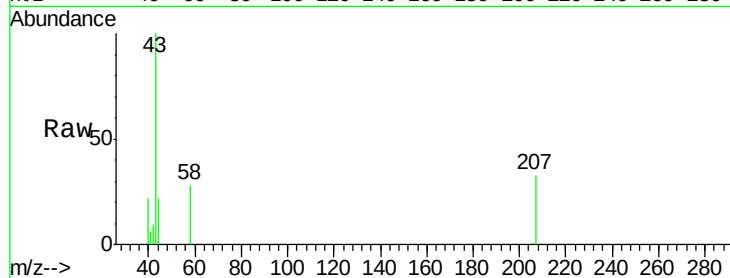
SLUDGE-BOX

Tgt Ion: 43 Resp: 3266

Ion Ratio Lower Upper

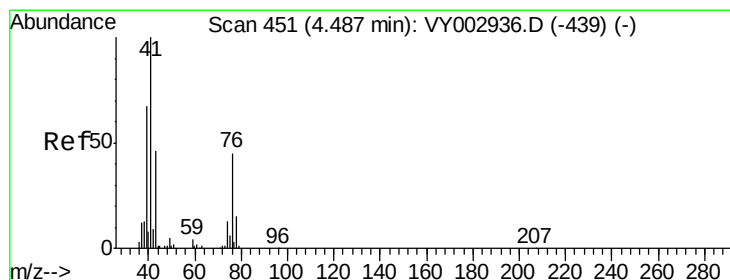
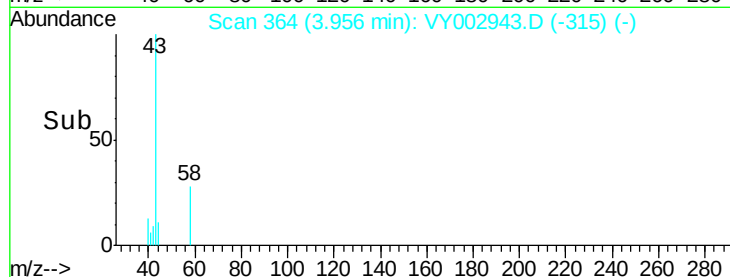
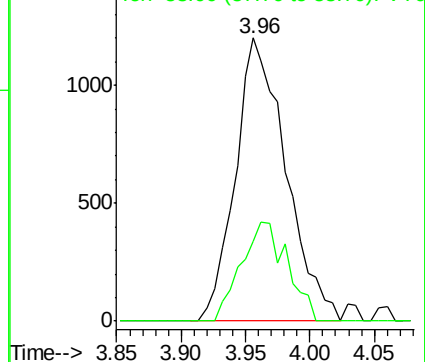
43 100

58 28.2 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY002943.D

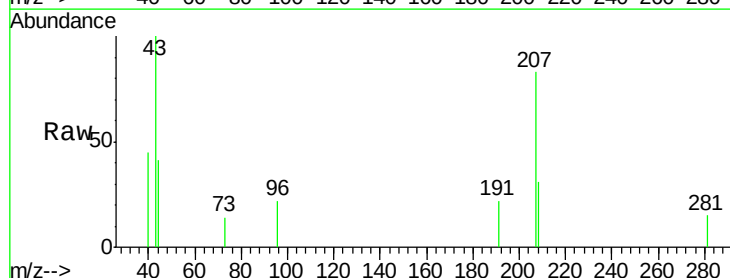
Acq: 19 Jun 2020 17:24

Tgt Ion: 43 Resp: 891

Ion Ratio Lower Upper

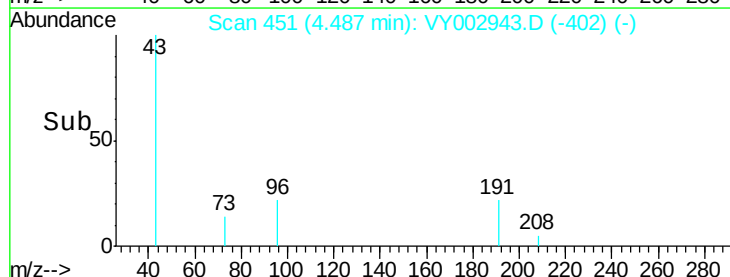
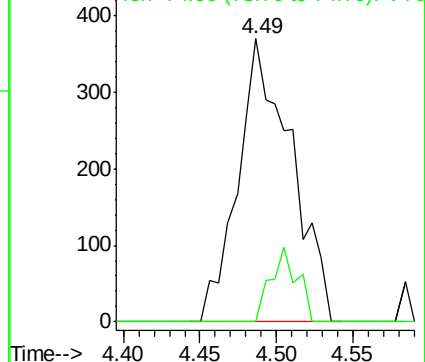
43 100

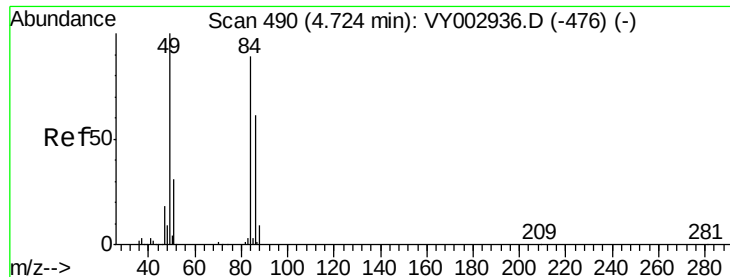
74 13.1 21.1 31.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

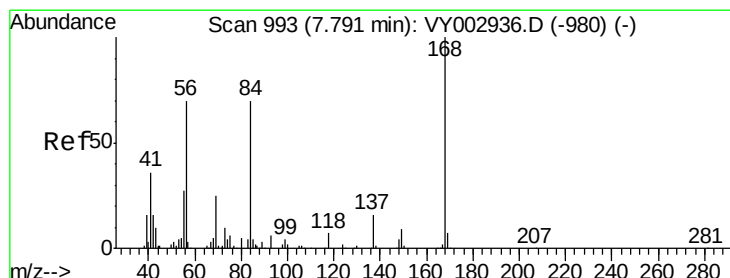
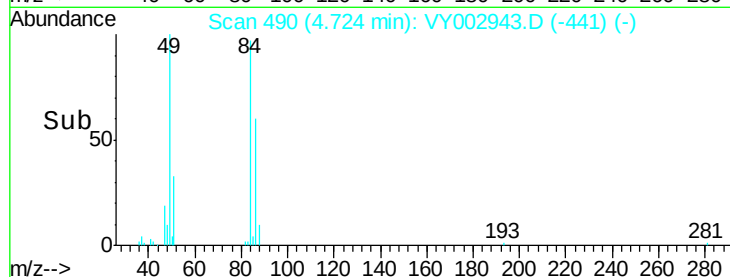
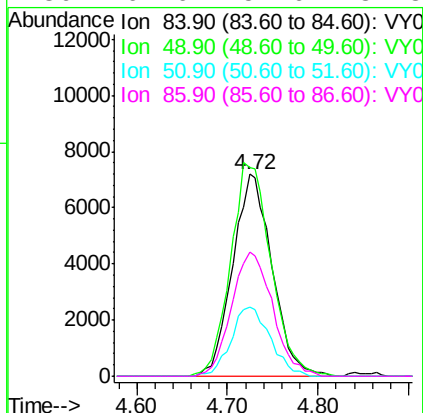
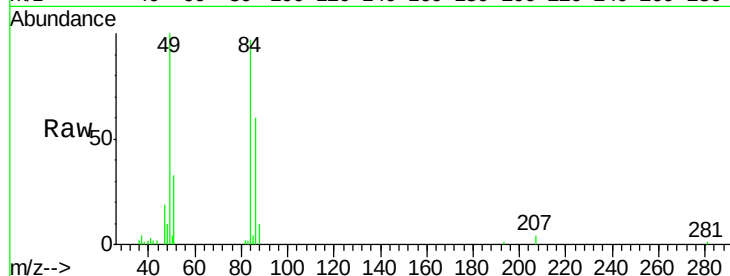




#20
Methylene Chloride
Concen: 2.606 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002943.D
Acq: 19 Jun 2020 17:24

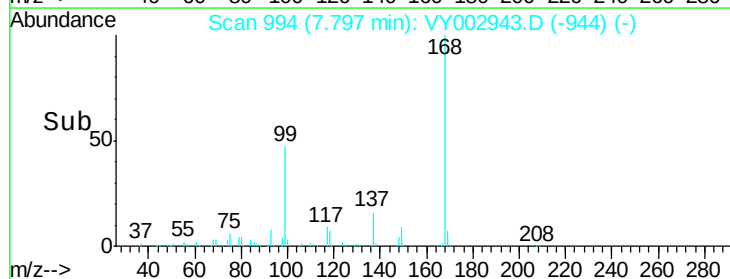
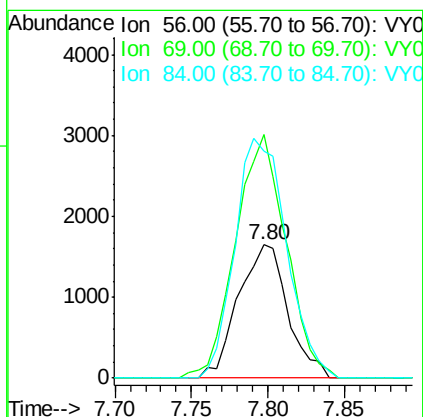
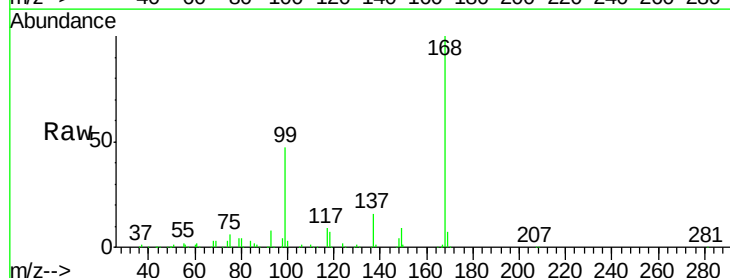
Instrument :
MSVOA_Y
ClientSampleId :
SLUDGE-BOX

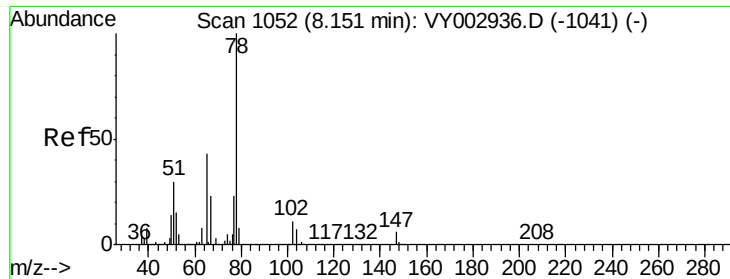
Tgt Ion:	84	Resp:	21699
Ion	Ratio	Lower	Upper
84	100		
49	103.3	90.0	135.0
51	34.4	27.9	41.9
86	61.6	54.6	81.8



#31
Cyclohexane
Concen: 1.060 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY002943.D
Acq: 19 Jun 2020 17:24

Tgt Ion:	56	Resp:	3703
Ion	Ratio	Lower	Upper
56	100		
69	182.9	28.9	43.3#
84	170.2	80.1	120.1#

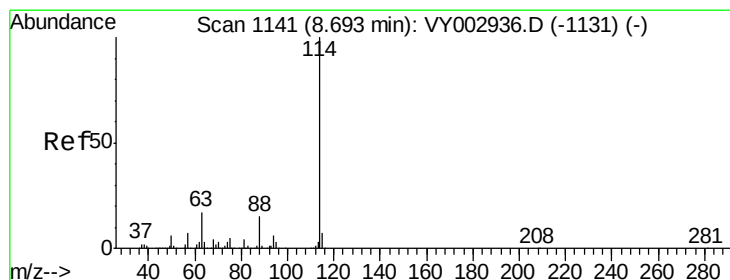
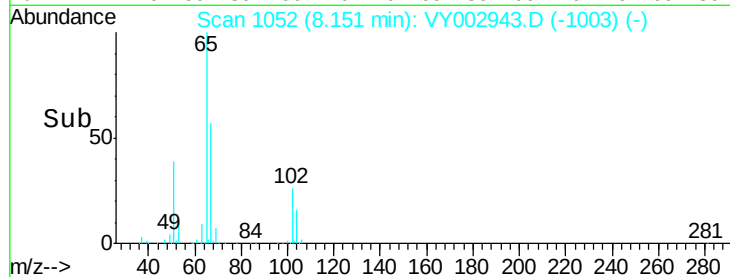
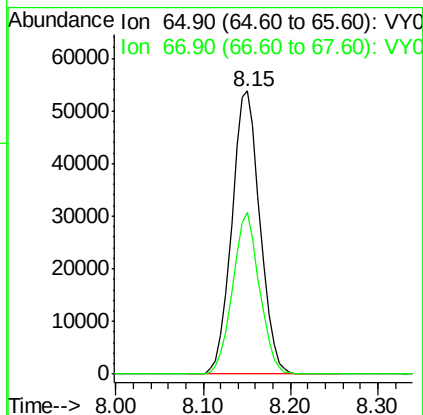
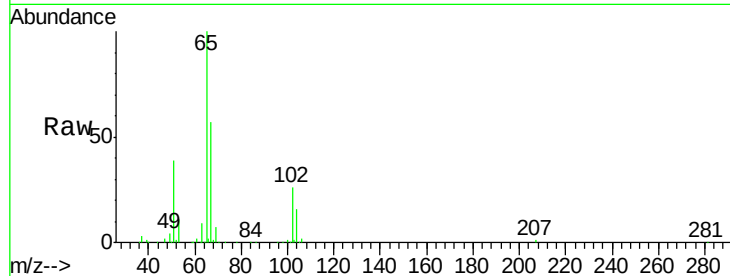




#33
 1,2-Dichloroethane-d4
 Concen: 58.830 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002943.D
 Acq: 19 Jun 2020 17:24

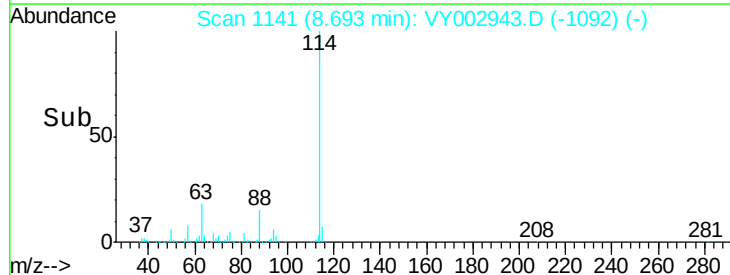
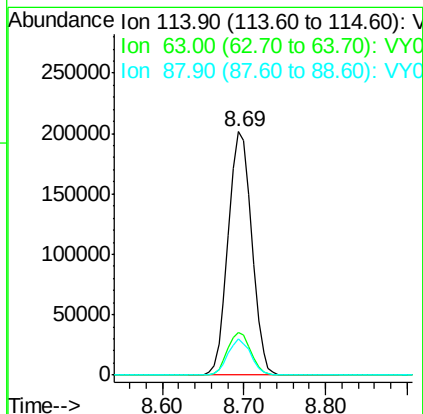
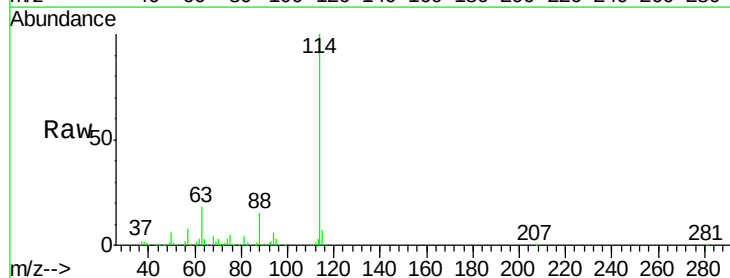
Instrument :
 MSVOA_Y
 ClientSampleId :
 SLUDGE-BOX

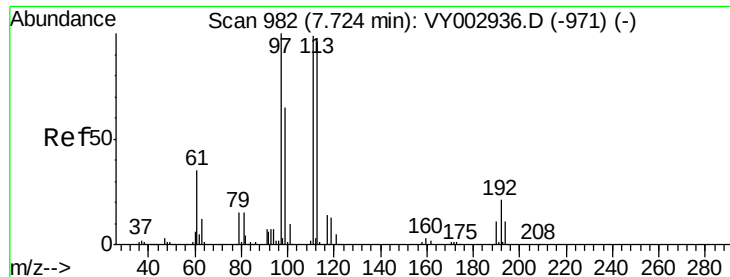
Tgt Ion: 65 Resp: 119658
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002943.D
 Acq: 19 Jun 2020 17:24

Tgt Ion: 114 Resp: 400619
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 34.6
 88 14.8 0.0 29.2

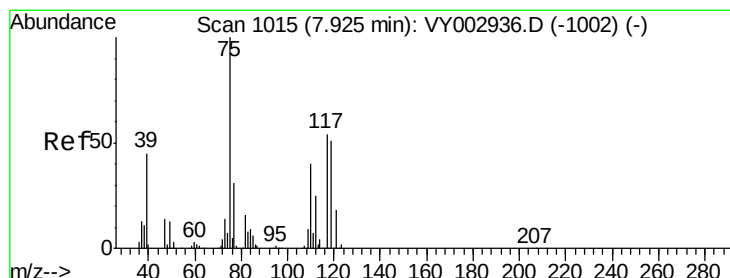
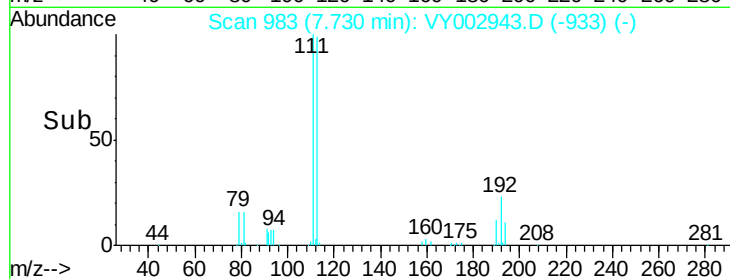
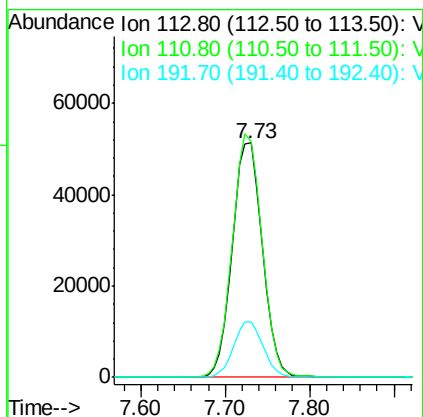
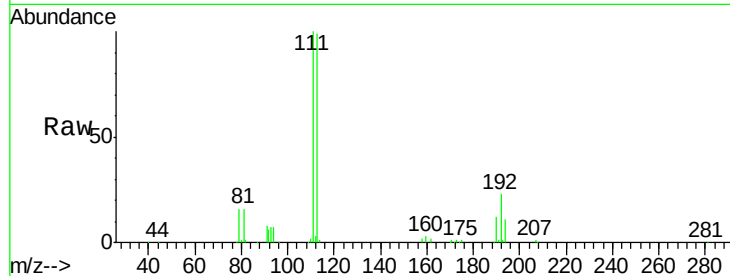




#35
 Dibromofluoromethane
 Concen: 54.580 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY002943.D
 Acq: 19 Jun 2020 17:24

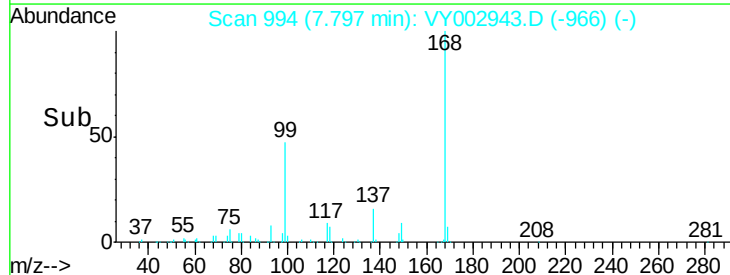
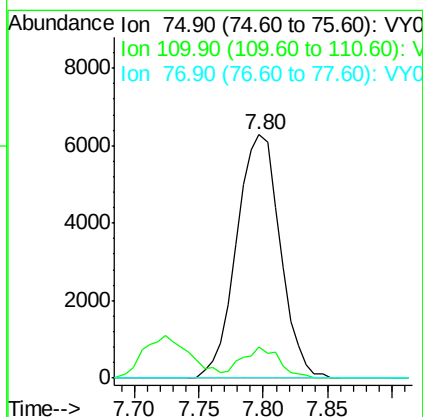
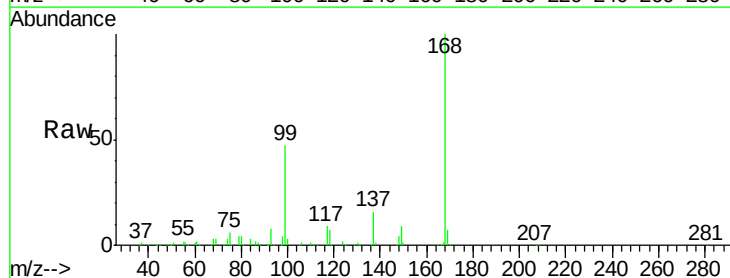
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 ClientSampleId :
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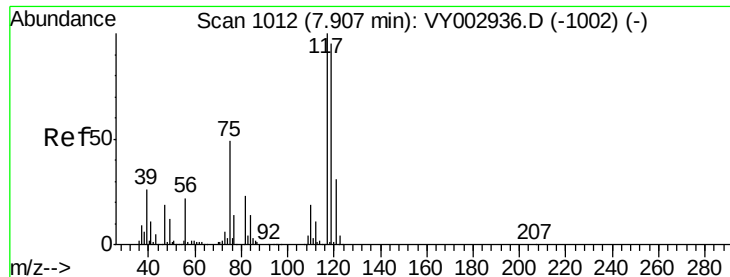
Tgt Ion:113 Resp: 123722
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.5 122.3
 192 23.1 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 4.526 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002943.D
 Acq: 19 Jun 2020 17:24

Tgt Ion: 75 Resp: 14726
 Ion Ratio Lower Upper
 75 100
 110 11.1 19.7 59.0#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.116 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002943.D

Acq: 19 Jun 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

SLUDGE-BOX

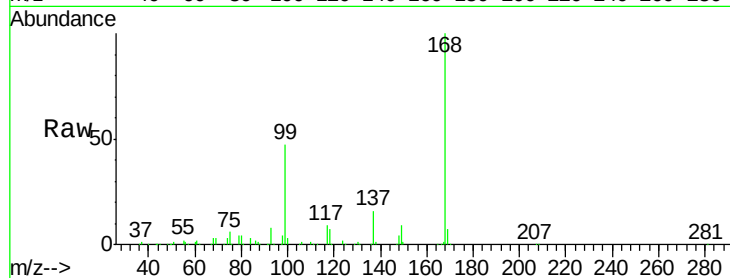
Tgt Ion:117 Resp: 21931

Ion Ratio Lower Upper

117 100

119 5.1 76.1 114.1#

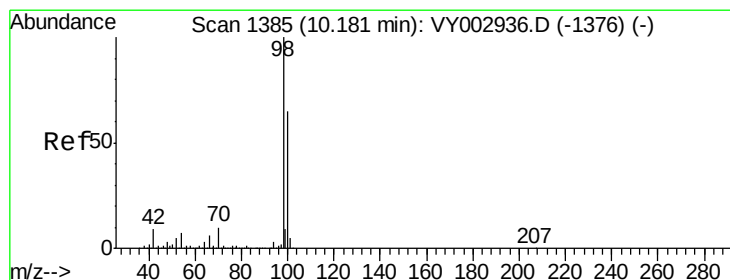
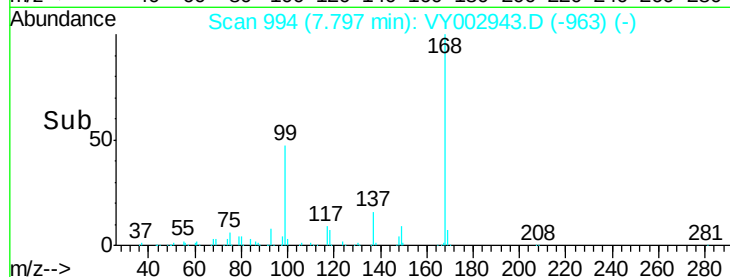
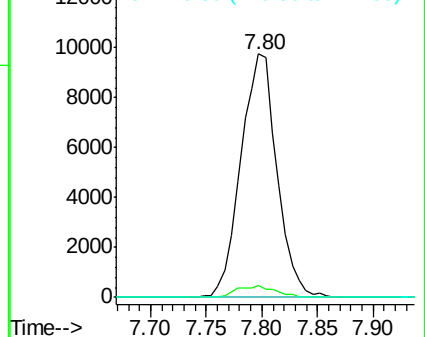
121 0.0 24.8 37.2#



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: 50.995 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002943.D

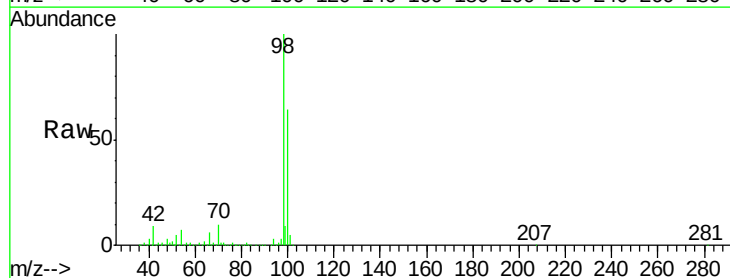
Acq: 19 Jun 2020 17:24

Tgt Ion: 98 Resp: 455785

Ion Ratio Lower Upper

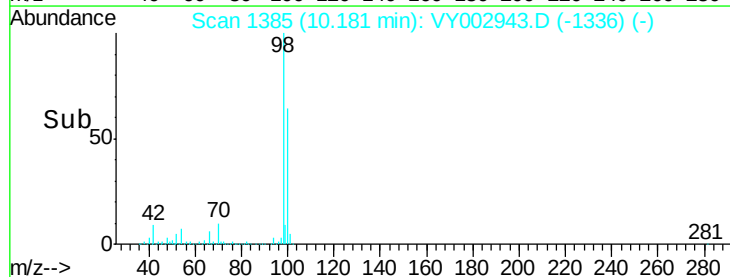
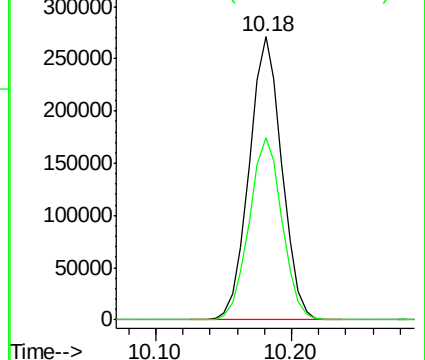
98 100

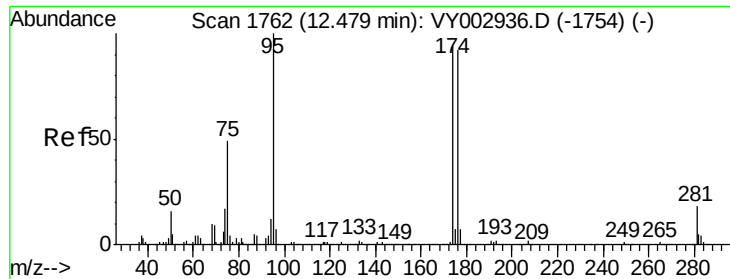
100 64.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

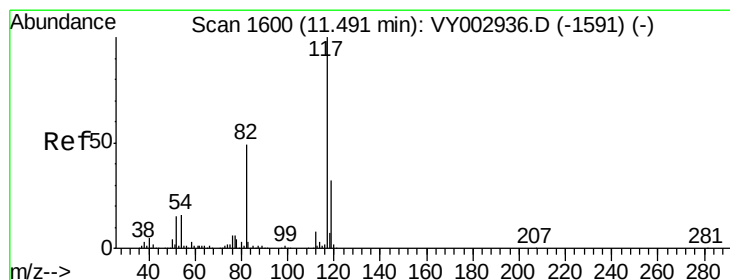
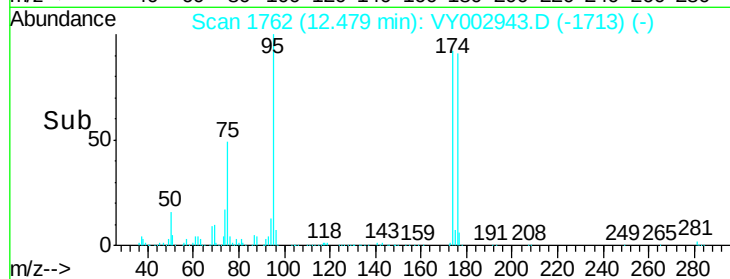
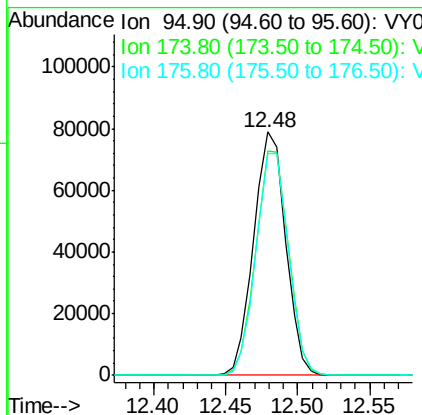
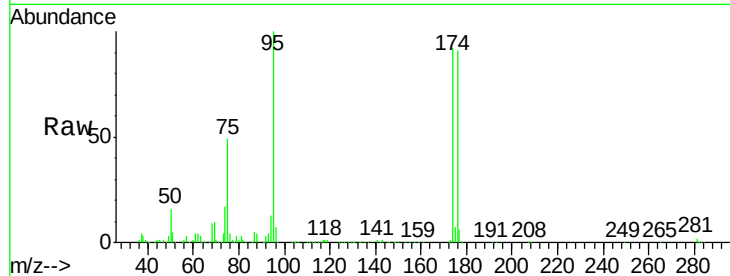




#62
4-Bromofluorobenzene
Concen: 39.084 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY002943.D
Acq: 19 Jun 2020 17:24

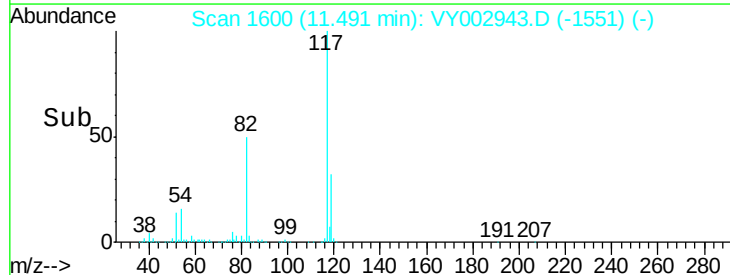
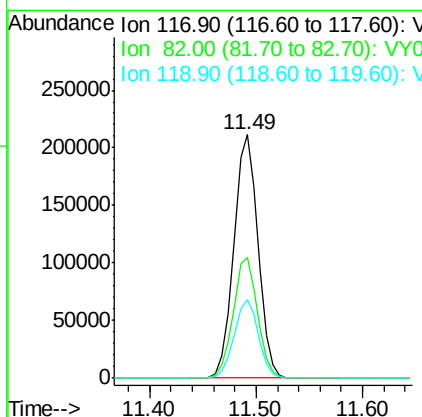
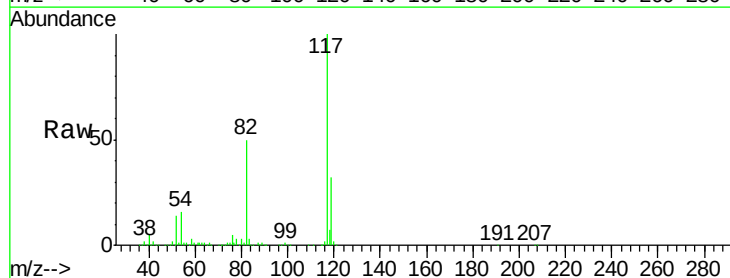
Instrument :
MSVOA_Y
ClientSampleId :
SLUDGE-BOX

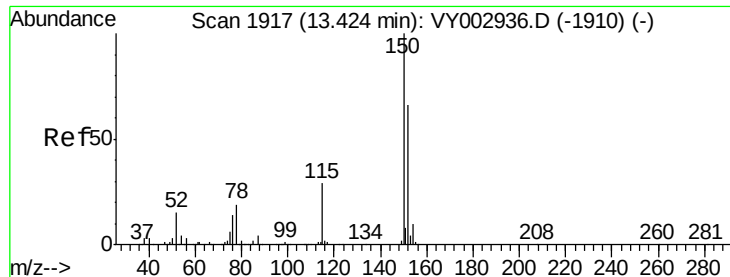
Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.3	0.0	191.2
176	93.1	0.0	186.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002943.D
Acq: 19 Jun 2020 17:24

Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.8	39.4	59.0
119	32.2	25.4	38.0



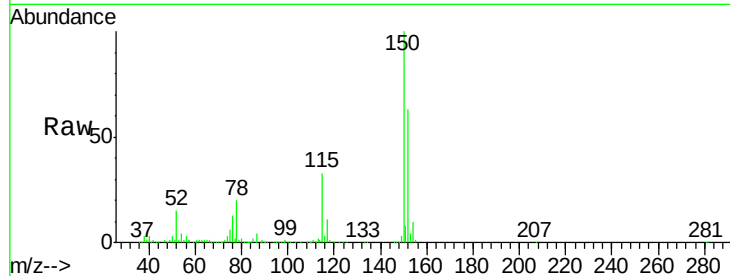


#72

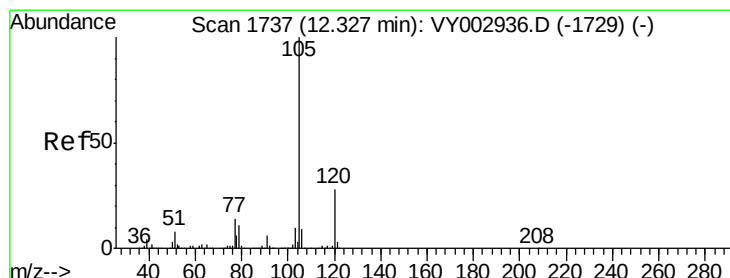
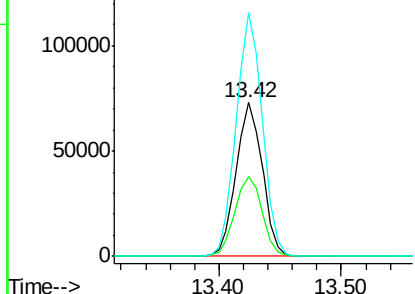
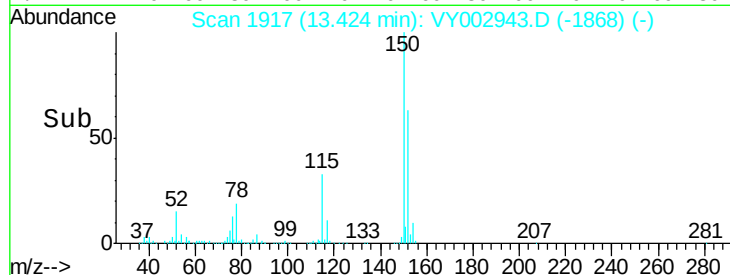
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002943.D
Acq: 19 Jun 2020 17:24

Instrument :
MSVOA_Y
ClientSampleId :
SLUDGE-BOX

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	26.9	80.6
150	157.6	0.0	341.8



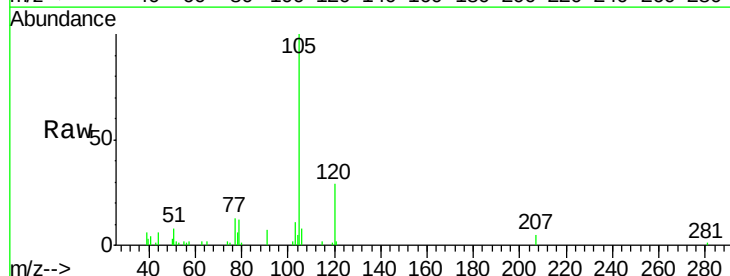
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



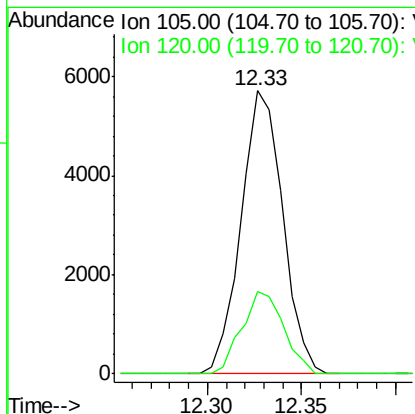
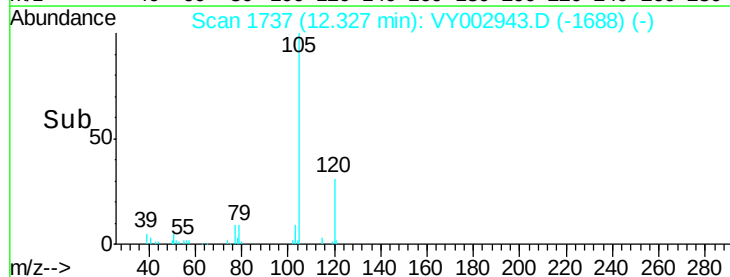
#73

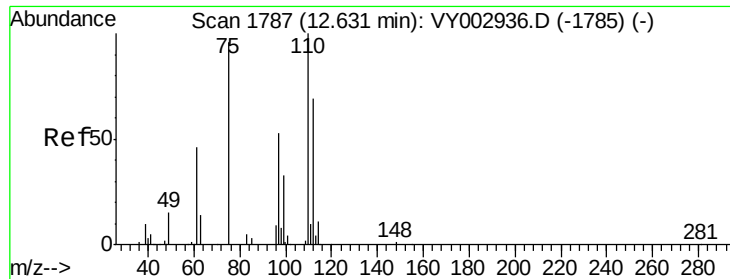
Isopropylbenzene
Concen: 1.325 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY002943.D
Acq: 19 Jun 2020 17:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.1	14.0	41.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 61.075 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002943.D

Acq: 19 Jun 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

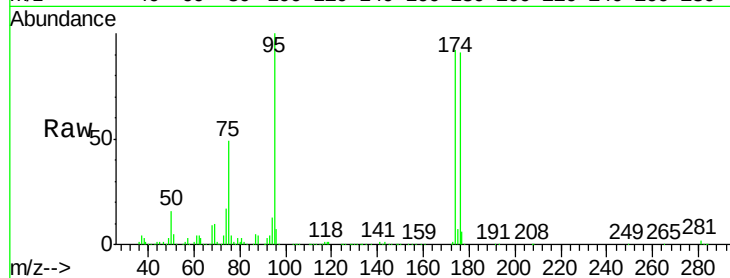
SLUDGE-BOX

Tgt Ion: 75 Resp: 57435

Ion Ratio Lower Upper

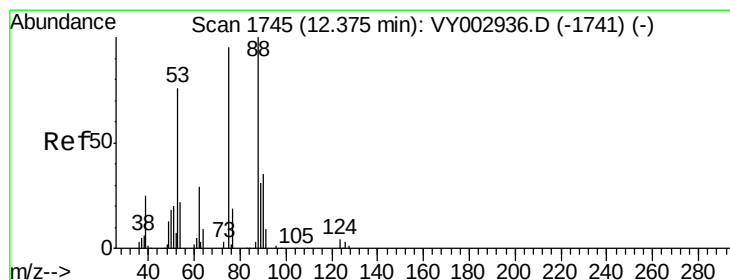
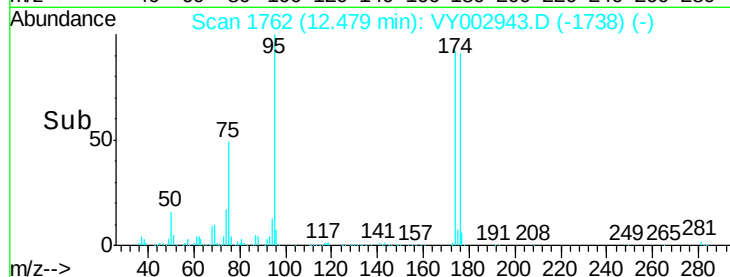
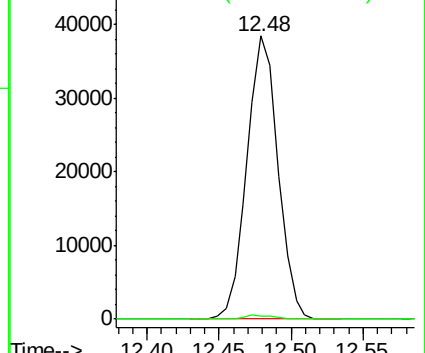
75 100

77 1.4 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: 116.604 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002943.D

Acq: 19 Jun 2020 17:24

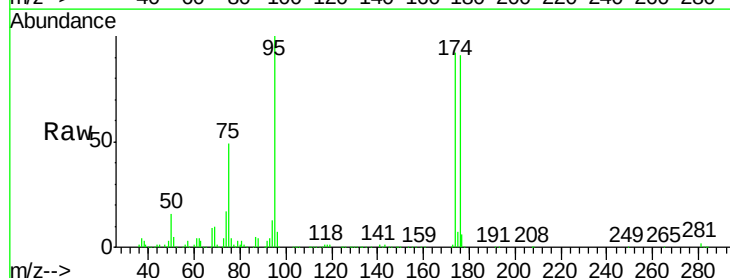
Tgt Ion: 75 Resp: 57435

Ion Ratio Lower Upper

75 100

53 0.0 65.1 97.7#

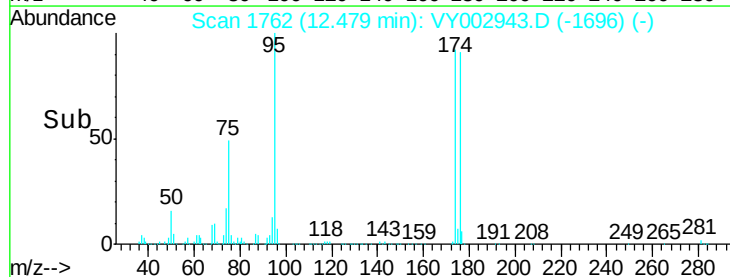
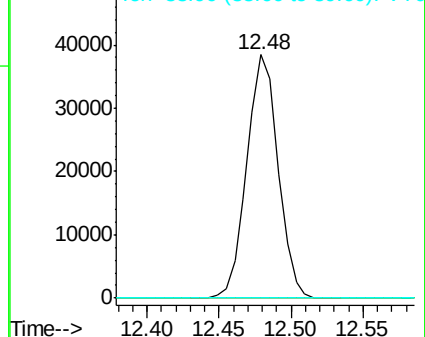
89 0.1 38.4 57.6#

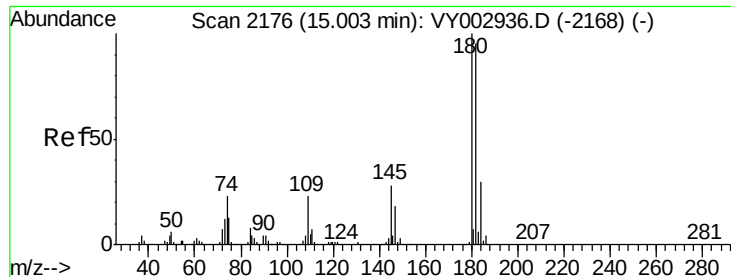


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

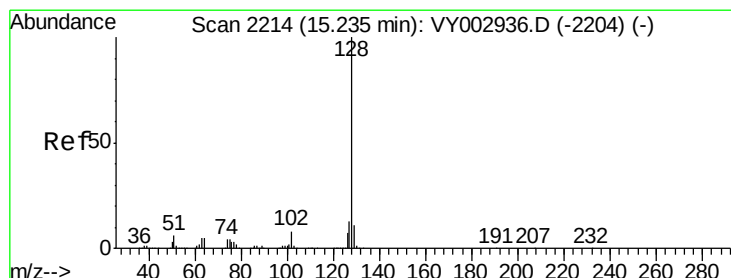
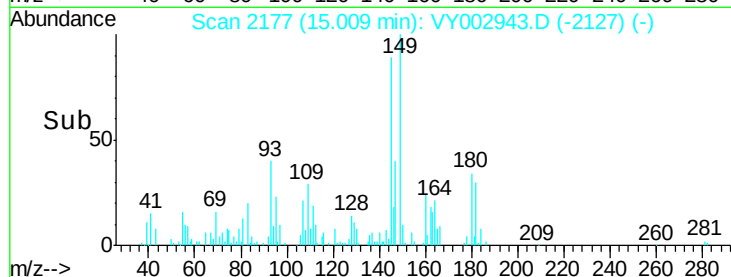
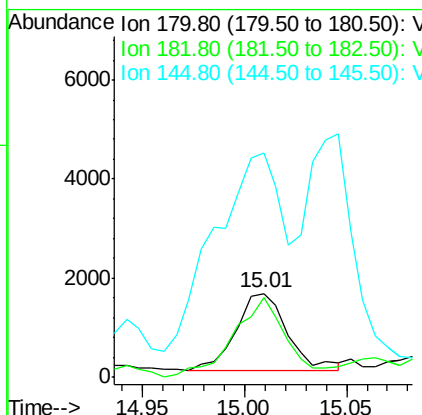
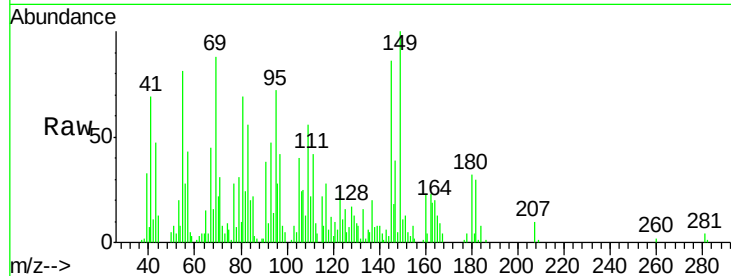




#93
 1,2,4-Trichlorobenzene
 Concen: 1.218 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY002943.D
 Acq: 19 Jun 2020 17:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 SLUDGE-BOX

Tgt Ion:180 Resp: 2716
 Ion Ratio Lower Upper
 180 100
 182 107.1 47.9 143.6
 145 404.1 14.1 42.3#



#95
 Naphthalene
 Concen: 2.015 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VY002943.D
 Acq: 19 Jun 2020 17:24

Tgt Ion:128 Resp: 8960
 Ion Ratio Lower Upper
 128 100
 127 21.8 10.2 15.4#
 129 12.5 8.7 13.1

