

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055627.D
 Acq On : 17 May 2019 21:52
 Operator : JC/SP
 Sample : K2637-01
 Misc : 7.64u/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 03:13:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	438519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	614890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	517259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	209350	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	201549	41.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.86%	
35) Dibromofluoromethane	7.59	113	185721	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
50) Toluene-d8	10.09	98	712699	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.40	95	230102	45.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.24%	

Target Compounds

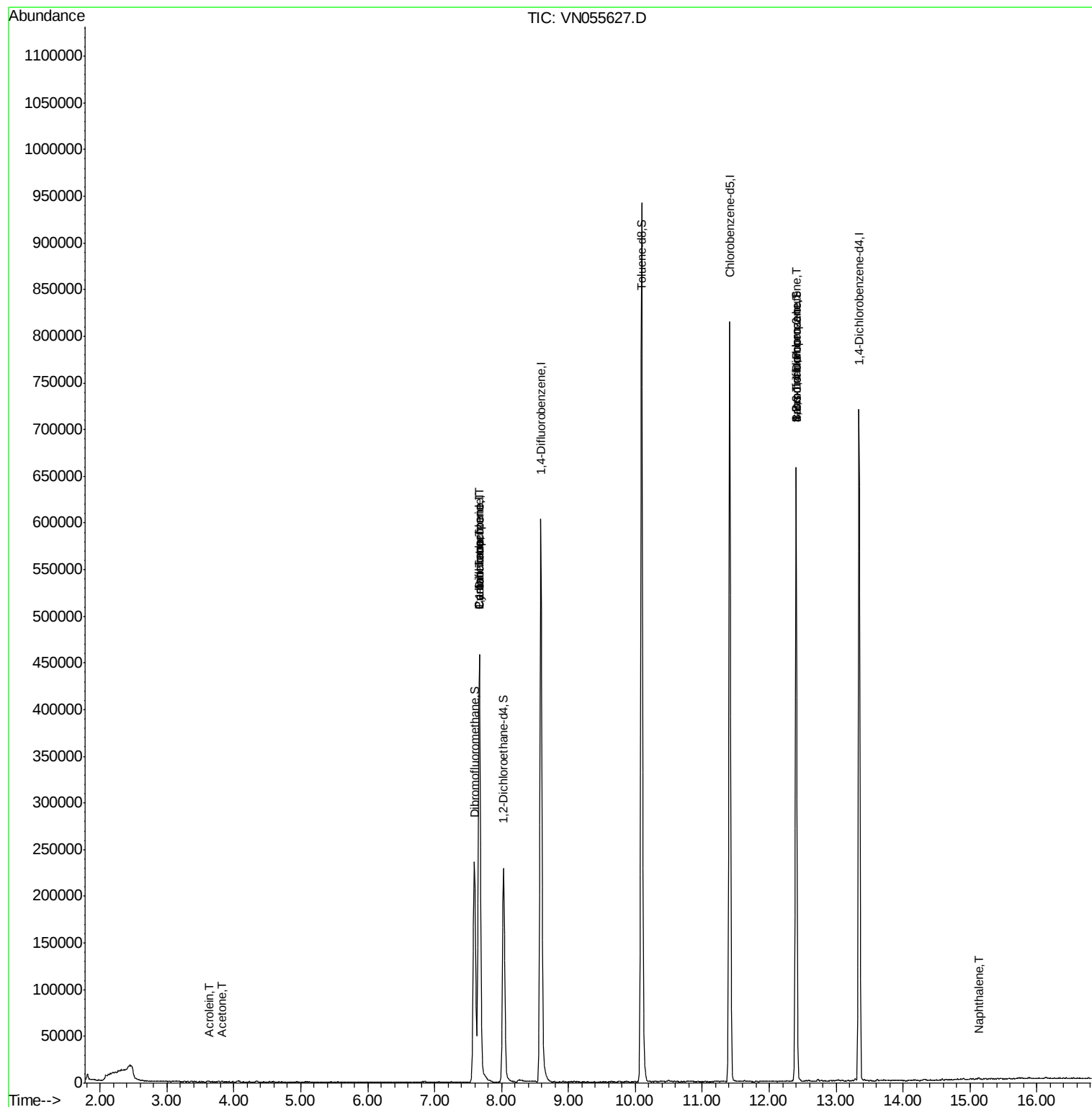
						Qvalue
13) Acrolein	3.64	56	136	1.658	ug/l #	14
16) Acetone	3.82	43	456	0.232	ug/l #	42
31) Cyclohexane	7.67	56	6886	0.966	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	26343	4.805	ug/l #	49
38) Carbon Tetrachloride	7.67	117	36113	6.165	ug/l #	15
71) Bromoform	12.40	173	1635	0.458	ug/l #	1
73) Isopropylbenzene	12.25	105	542	Below Cal	#	48
75) 1,1,2,2-Tetrachloroethane	12.51	83	30	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	106043	24.824	ug/l #	100
79) 2-Chlorotoluene	12.68	91	656	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	626	Below Cal	#	49
81) trans-1,4-Dichloro-2-buten	12.40	75	106043	63.812	ug/l #	17
83) tert-Butylbenzene	12.99	119	205	Below Cal	#	8
84) 1,2,4-Trimethylbenzene	13.04	105	629	Below Cal	#	38
85) sec-Butylbenzene	13.17	105	669	Below Cal	#	56
86) p-Isopropyltoluene	13.29	119	766	Below Cal	#	80
94) Hexachlorobutadiene	15.01	225	247	Below Cal	#	18
95) Naphthalene	15.13	128	1995	1.941	ug/l #	73

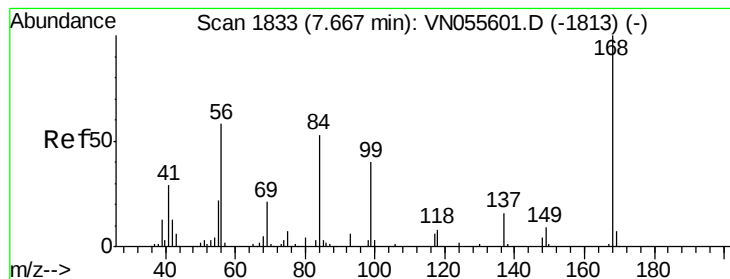
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 17 23:54:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055627.D

Acq: 17 May 2019 21:52

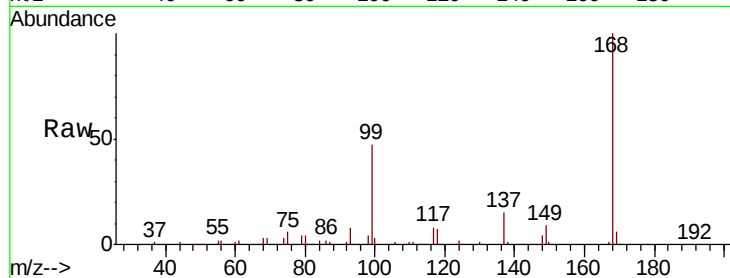
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 438519

Ion Ratio Lower Upper

168 100

99 47.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN055627.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055627.D (-1740) (-)

7.67

200000

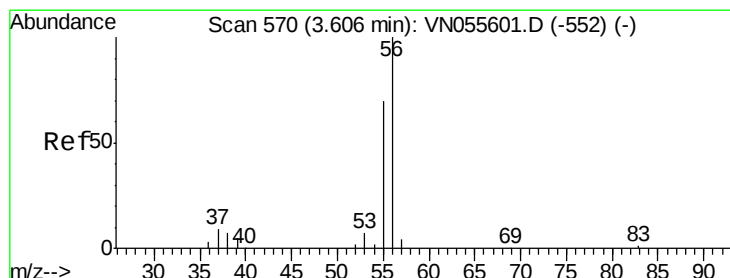
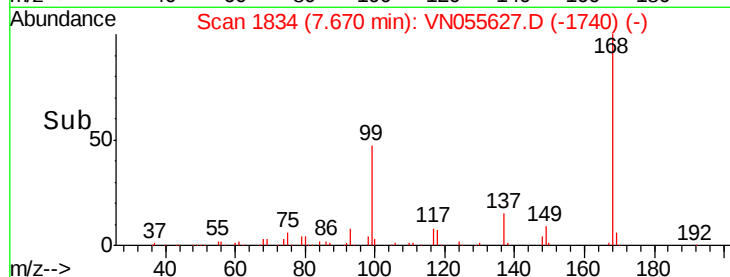
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 1.658 ug/l

RT: 3.64 min Scan# 580

Delta R.T. 0.03 min

Lab File: VN055627.D

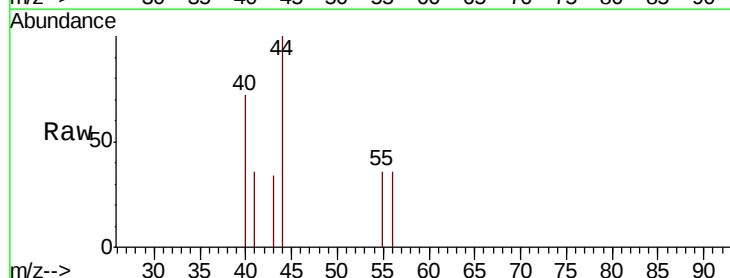
Acq: 17 May 2019 21:52

Tgt Ion: 56 Resp: 136

Ion Ratio Lower Upper

56 100

55 0.0 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VN055627.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN055627.D (-477) (-)

3.64

250

200

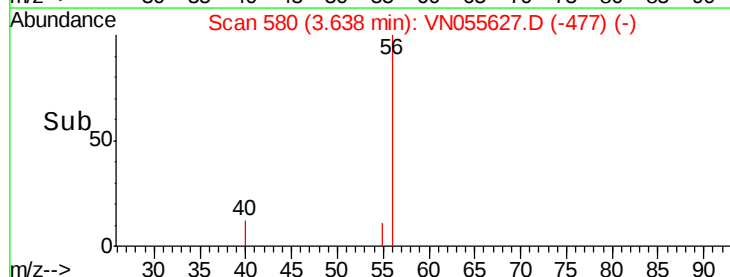
150

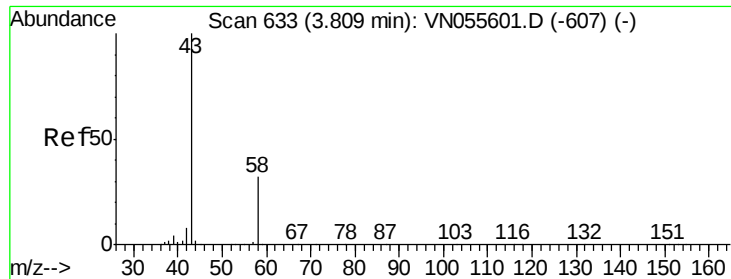
100

50

0

Time-->





#16

Acetone

Concen: 0.232 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN055627.D

Acq: 17 May 2019 21:52

Instrument :

MSVOA_N

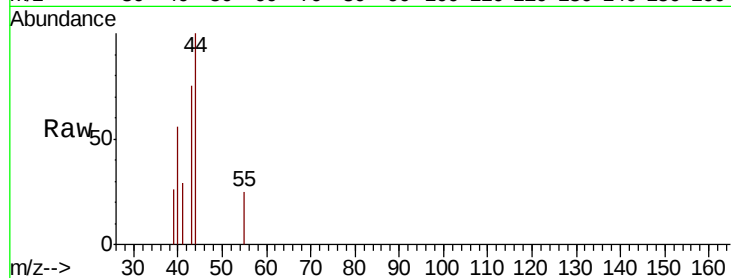
ClientSampleId :

Tot Ion: 43 Resp: 456

Ion Ratio Lower Upper

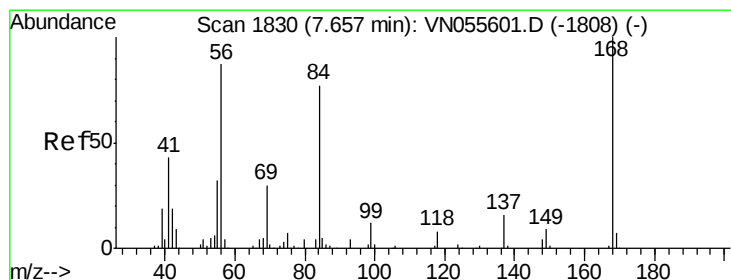
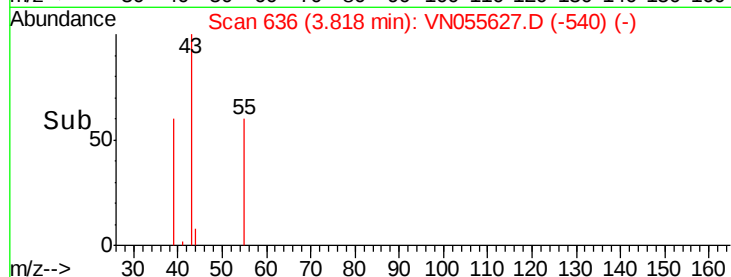
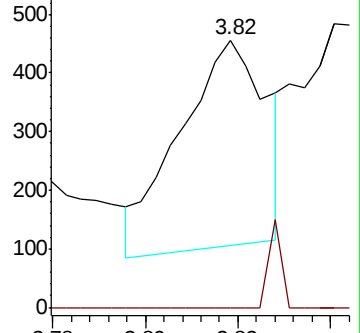
43 100

58 0.0 26.0 39.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#31

Cyclohexane

Concen: 0.966 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN055627.D

Acq: 17 May 2019 21:52

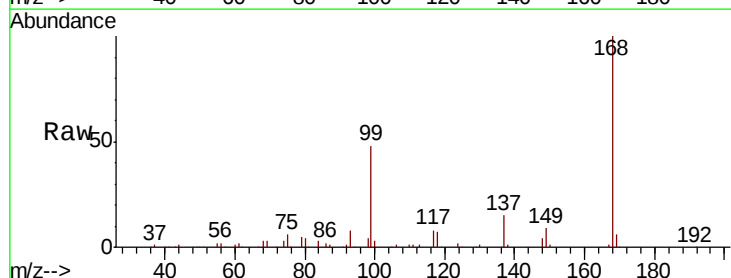
Tgt Ion: 56 Resp: 6886

Ion Ratio Lower Upper

56 100

69 176.2 27.2 40.8#

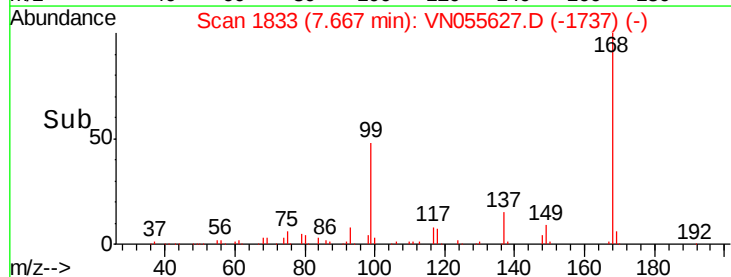
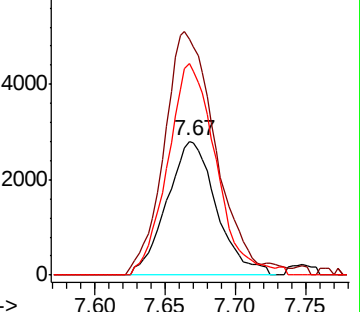
84 158.5 71.3 106.9#

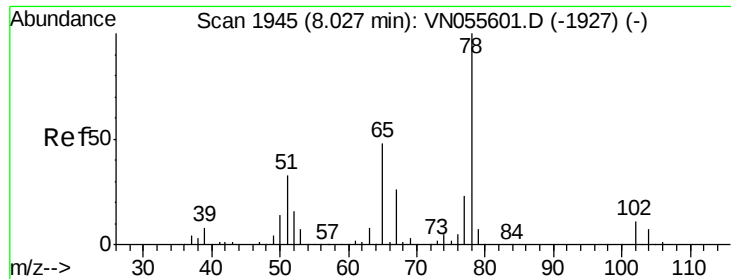


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

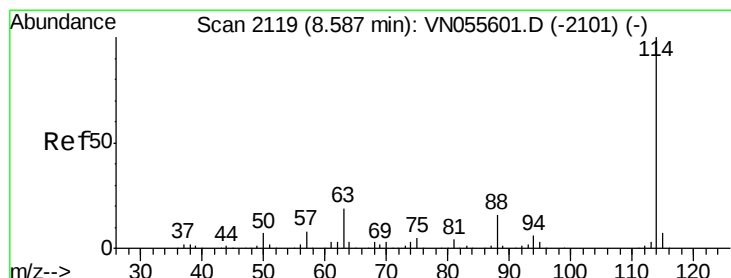
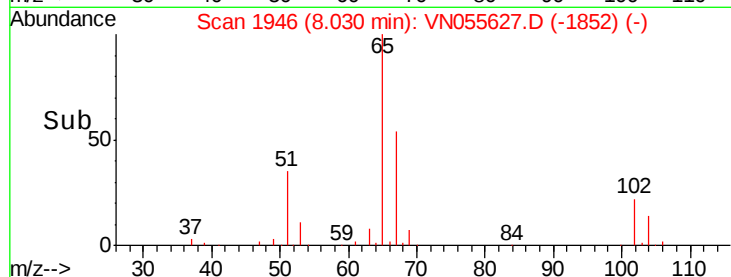
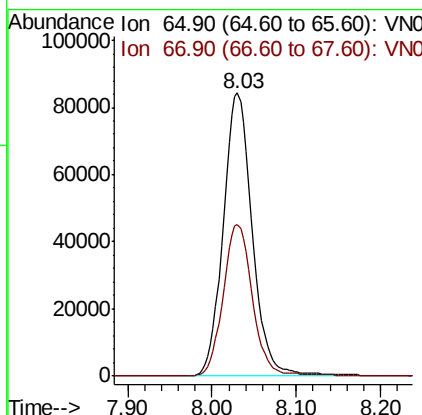
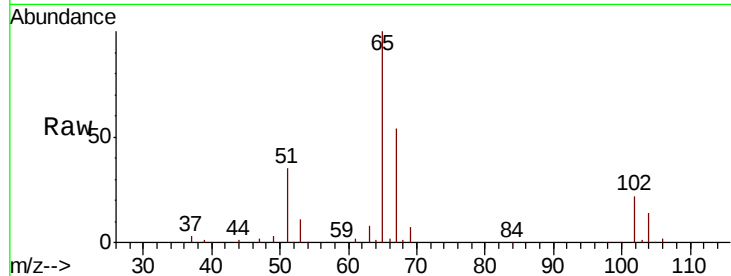




#33
 1,2-Dichloroethane-d4
 Concen: 41.928 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055627.D
 Acq: 17 May 2019 21:52

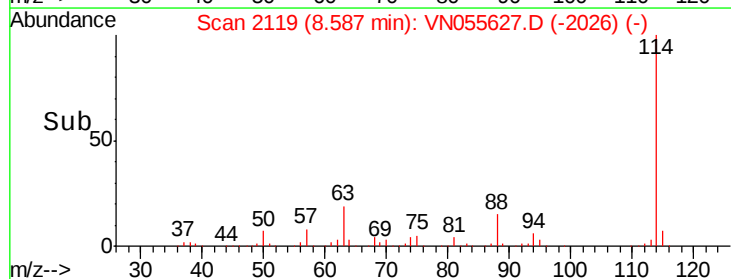
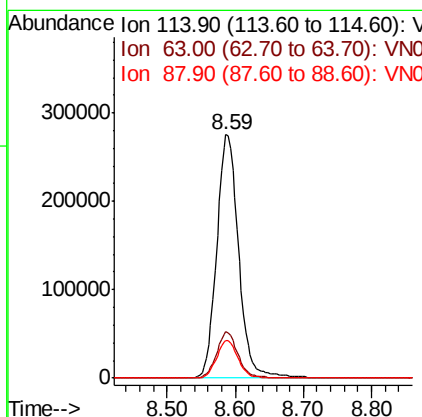
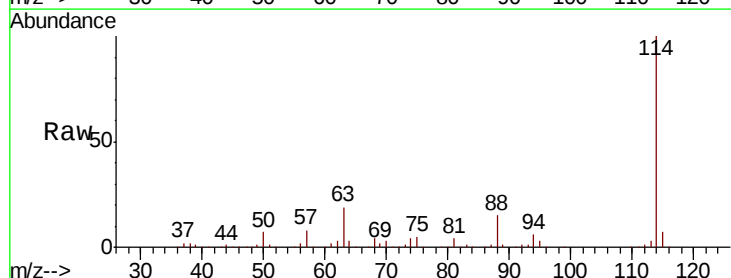
Instrument :
 MSVOA_N
 ClientSampleId :

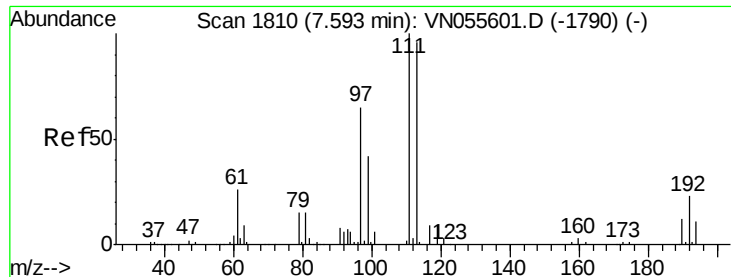
Tot Ion: 65 Resp: 201549
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055627.D
 Acq: 17 May 2019 21:52

Tgt Ion: 114 Resp: 614890
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.2
 88 15.4 0.0 31.0

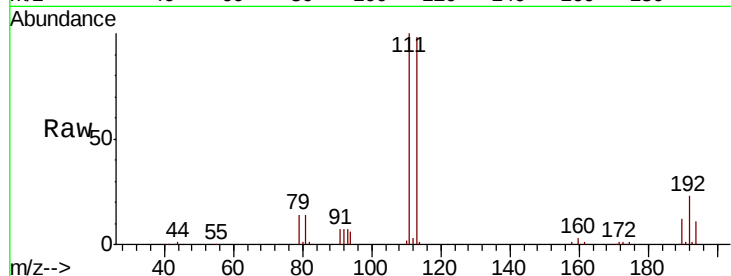




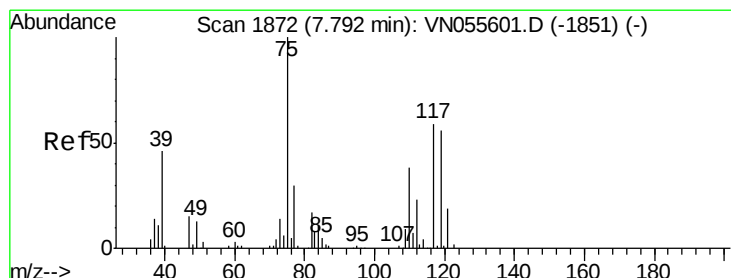
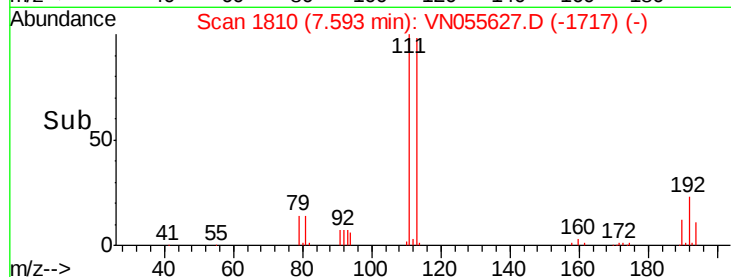
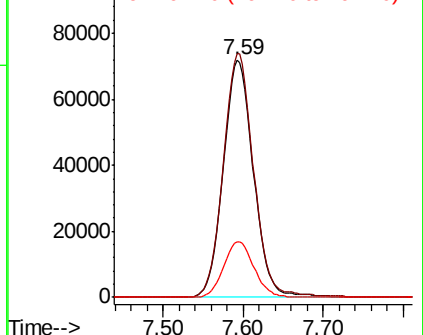
#35
 Dibromofluoromethane
 Concen: 47.547 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055627.D
 Acq: 17 May 2019 21:52

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.5	123.7
192	23.6	18.7	28.1

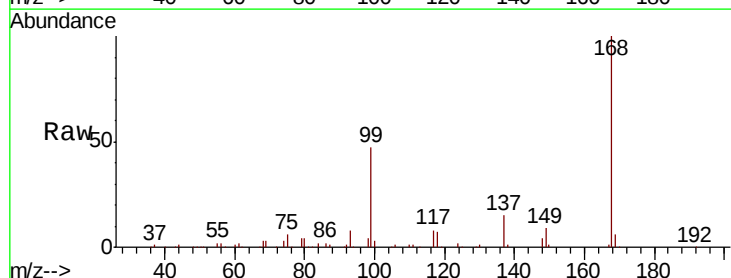


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

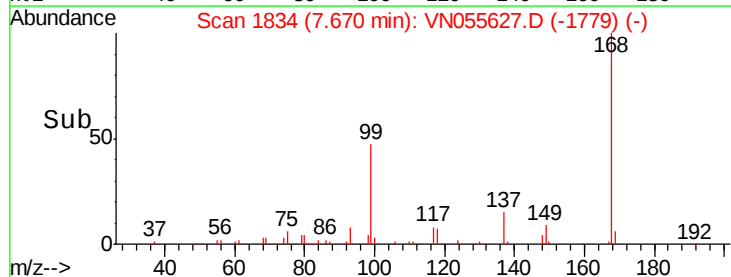
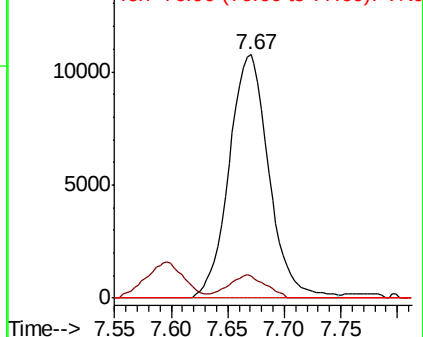


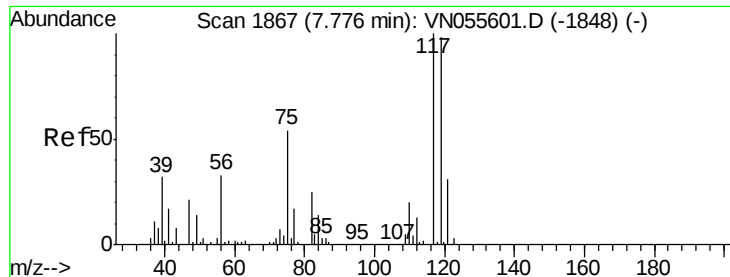
#36
 1,1-Dichloropropene
 Concen: 4.805 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN055627.D
 Acq: 17 May 2019 21:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.6	55.6#
77	0.0	24.9	37.3#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.165 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN055627.D

Acq: 17 May 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

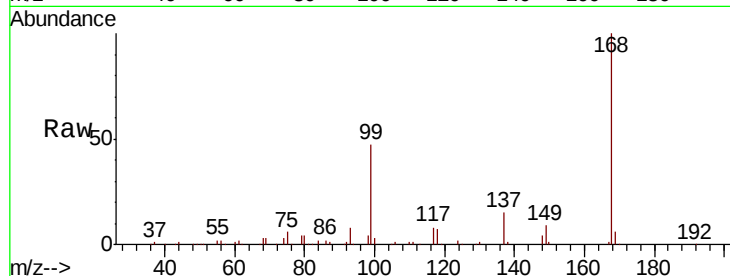
Tot Ion:117 Resp: 36113

Ion Ratio Lower Upper

117 100

119 4.7 77.8 116.8#

121 0.0 24.6 37.0#

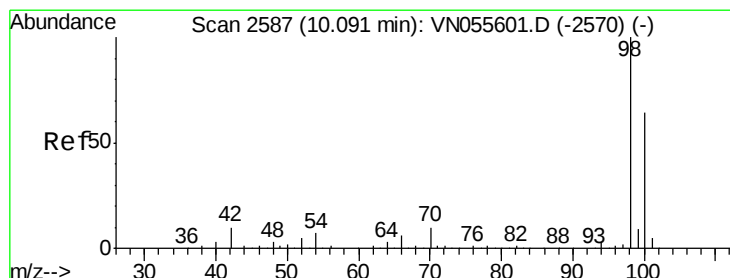
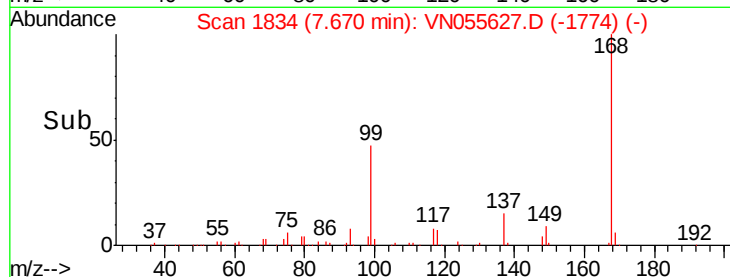
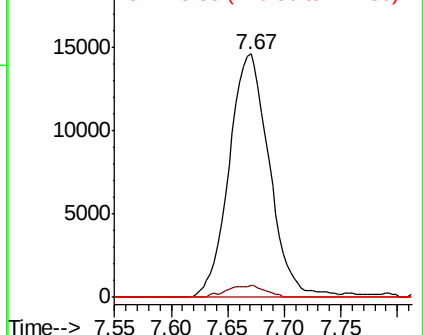


Abundance

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: 48.255 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055627.D

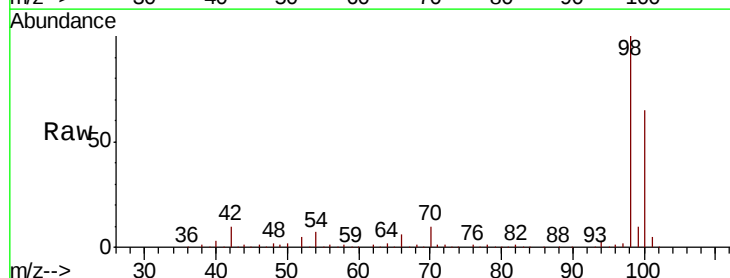
Acq: 17 May 2019 21:52

Tgt Ion: 98 Resp: 712699

Ion Ratio Lower Upper

98 100

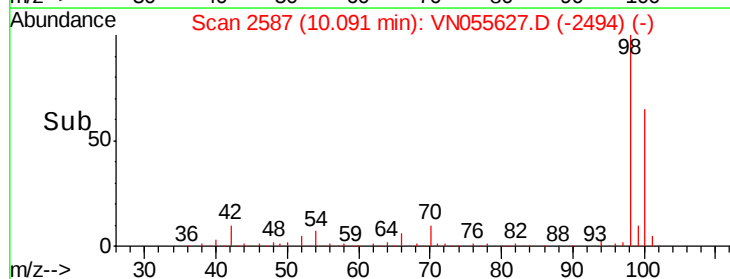
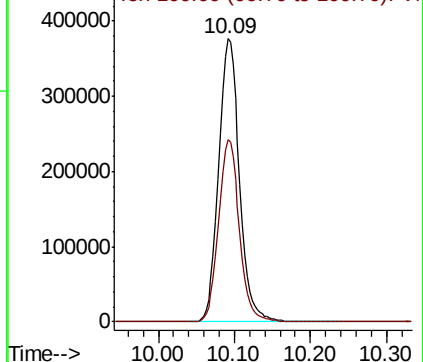
100 64.4 51.9 77.9

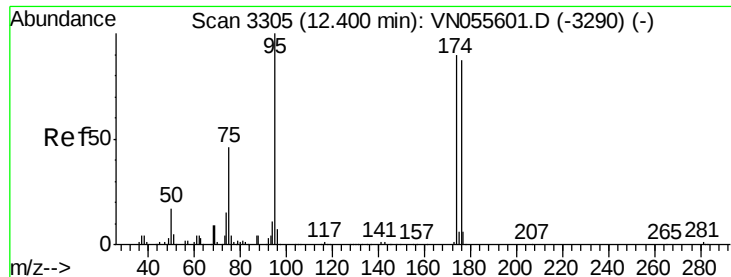


Abundance

Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

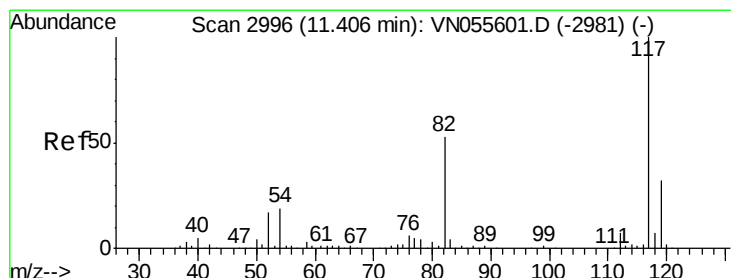
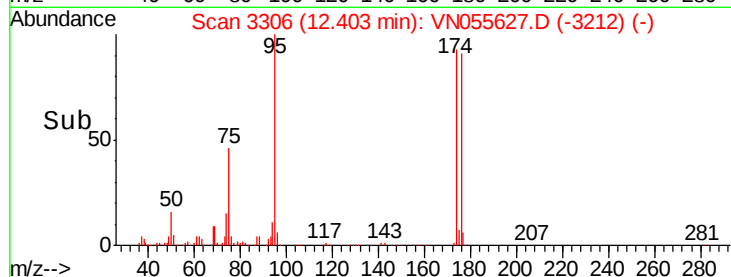
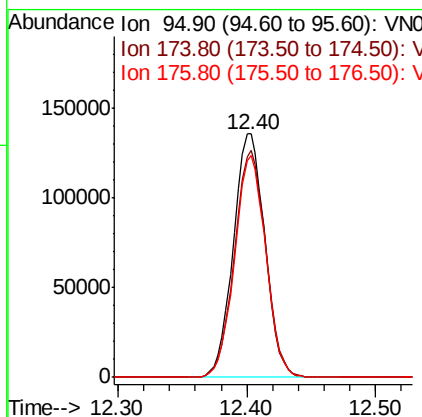
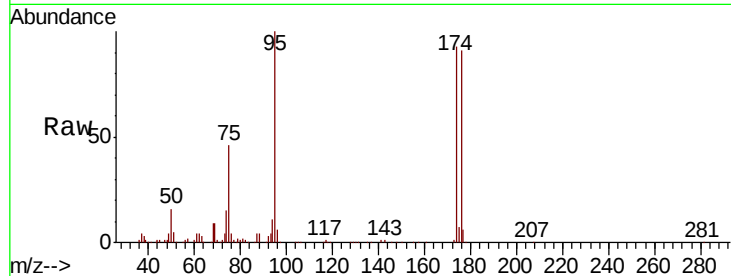




#62
4-Bromofluorobenzene
Concen: 45.117 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN055627.D
Acq: 17 May 2019 21:52

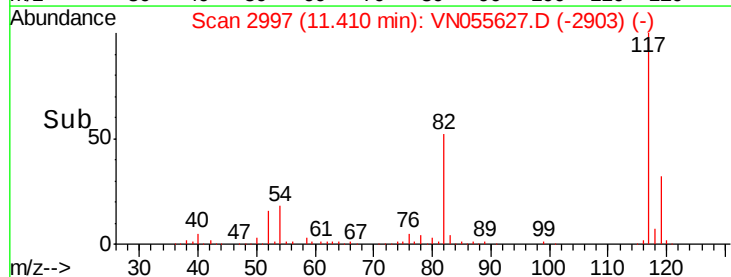
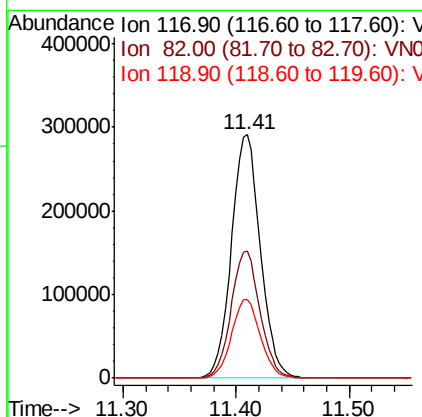
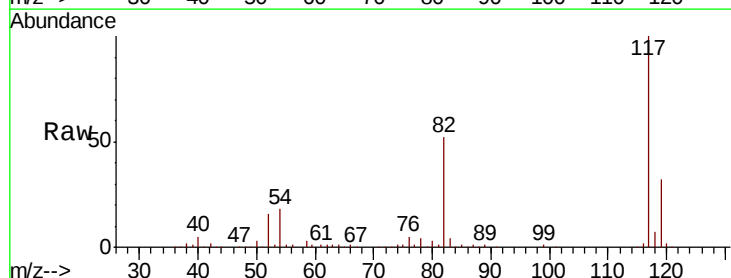
Instrument :
MSVOA_N
ClientSampleId :

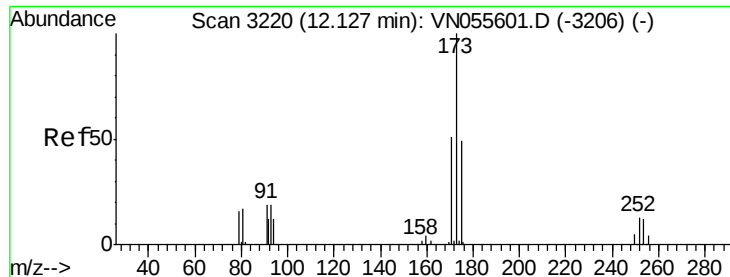
Tot Ion: 95 Resp: 230102
Ion Ratio Lower Upper
95 100
174 92.7 0.0 180.6
176 89.9 0.0 177.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055627.D
Acq: 17 May 2019 21:52

Tgt Ion: 117 Resp: 517259
Ion Ratio Lower Upper
117 100
82 52.1 42.3 63.5
119 32.5 25.4 38.2





#71

Bromoform

Concen: 0.458 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN055627.D

Acq: 17 May 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

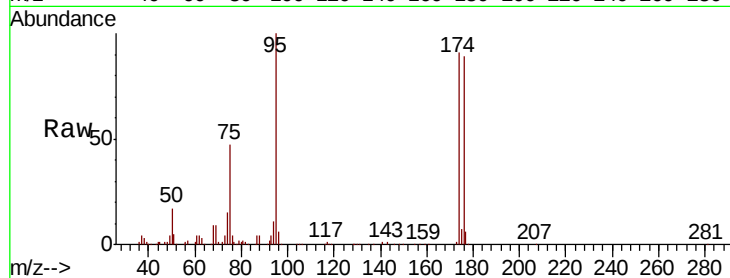
Tot Ion:173 Resp: 1635

Ion Ratio Lower Upper

173 100

175 824.8 24.3 72.9#

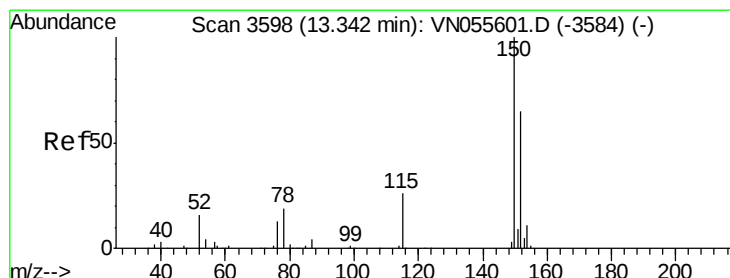
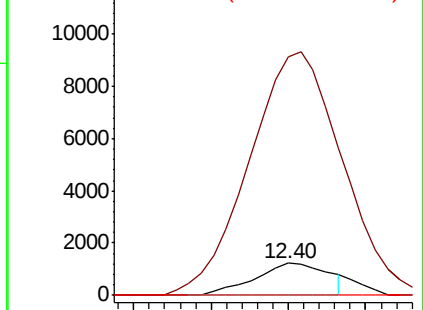
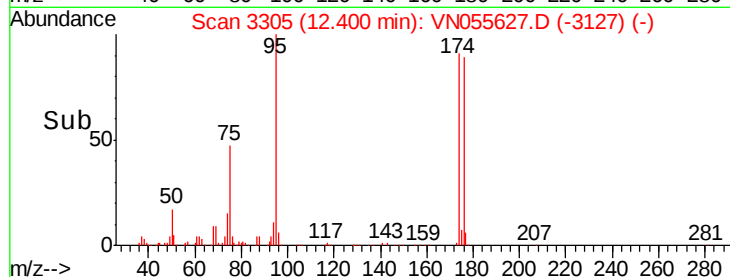
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055627.D

Acq: 17 May 2019 21:52

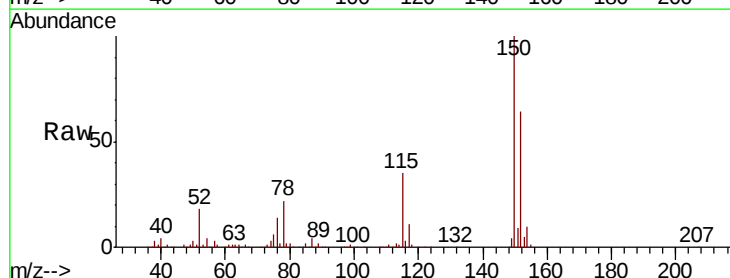
Tgt Ion:152 Resp: 209350

Ion Ratio Lower Upper

152 100

115 55.1 28.1 84.2

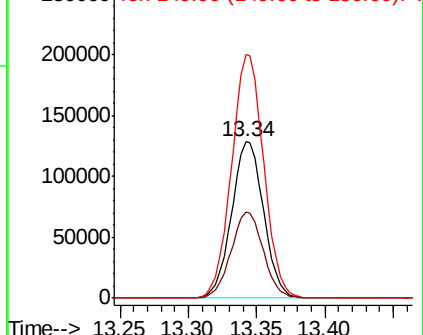
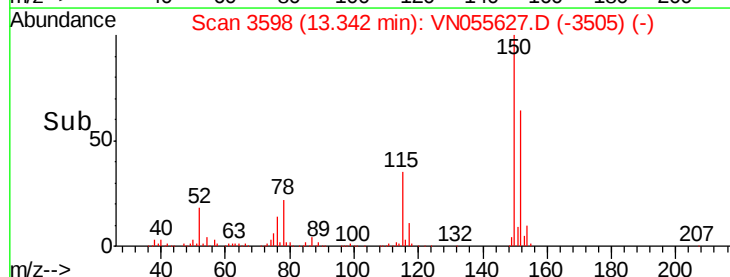
150 156.4 0.0 348.0

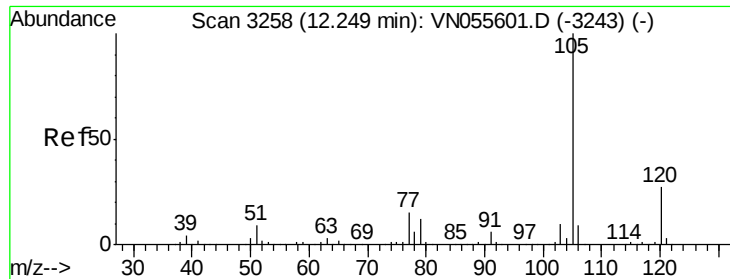


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055627.D

Acq: 17 May 2019 21:52

Instrument :

MSVOA_N

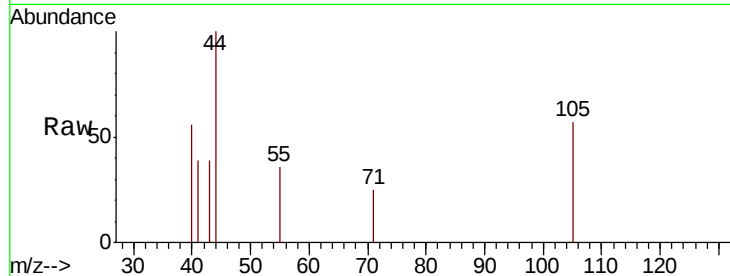
ClientSampleId :

Tot Ion: 105 Resp: 542

Ion Ratio Lower Upper

105 100

120 0.0 13.4 40.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

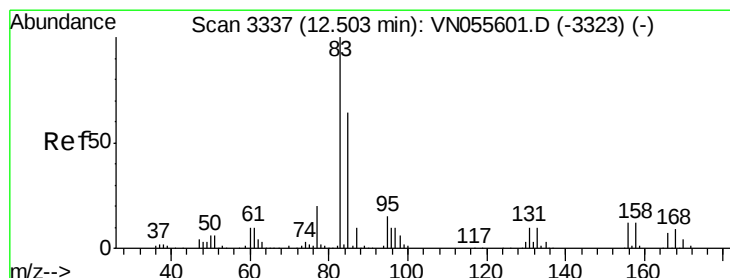
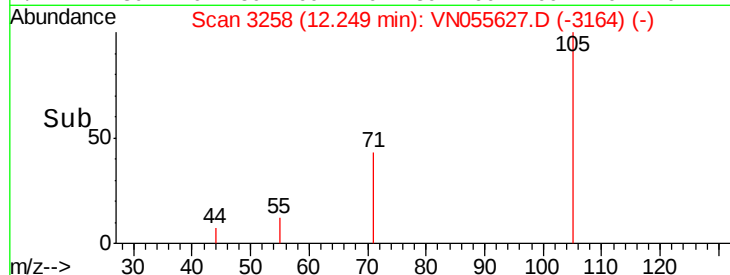
300

200

100

0

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3339

Delta R.T. 0.01 min

Lab File: VN055627.D

Acq: 17 May 2019 21:52

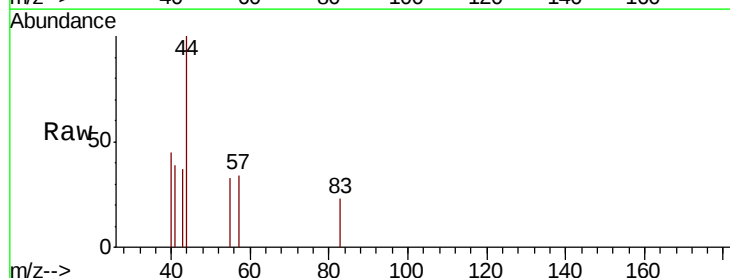
Tgt Ion: 83 Resp: 30

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

85 0.0 32.0 96.2#



Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

12.51

200

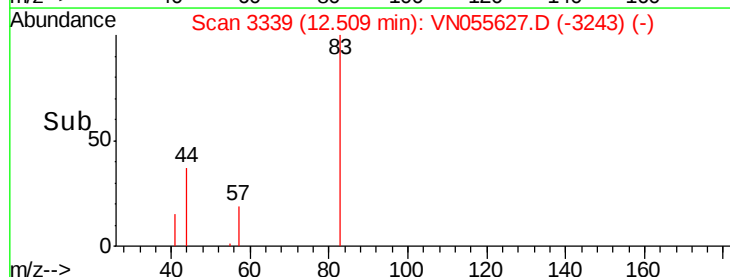
150

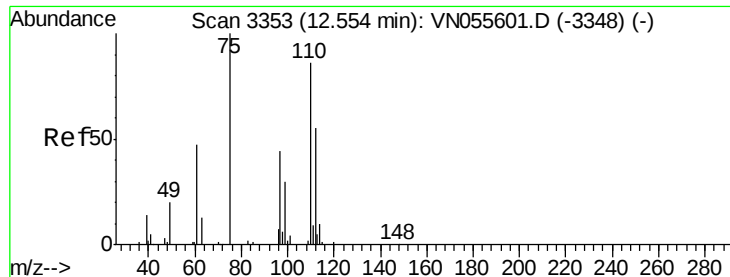
100

50

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 24.824 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055627.D

Acq: 17 May 2019 21:52

Instrument :

MSVOA_N

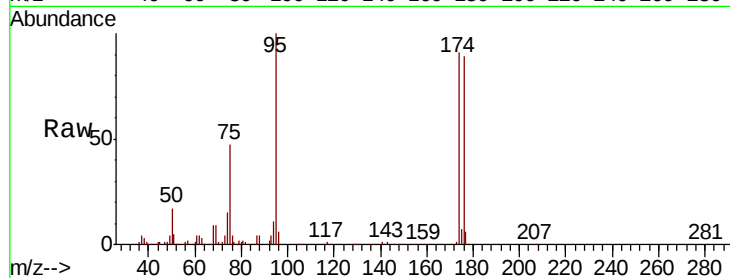
ClientSampleId :

Tot Ion: 75 Resp: 106043

Ion Ratio Lower Upper

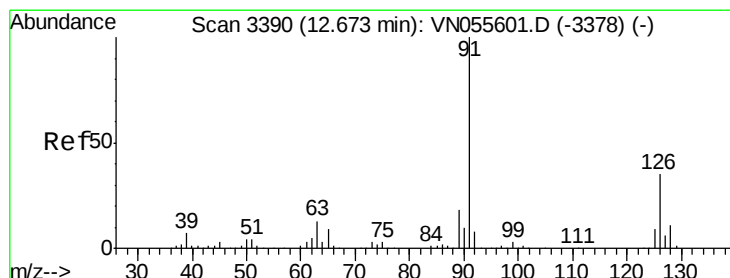
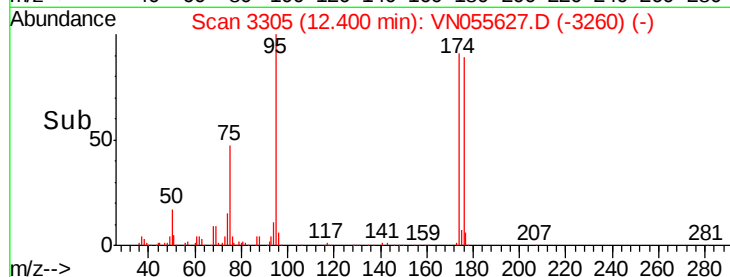
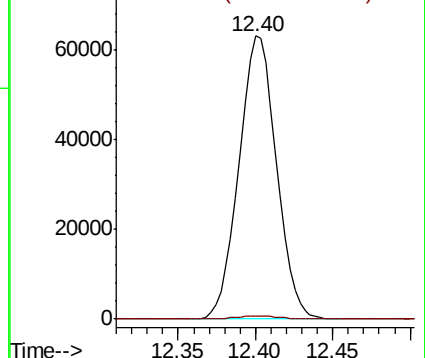
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055627.D

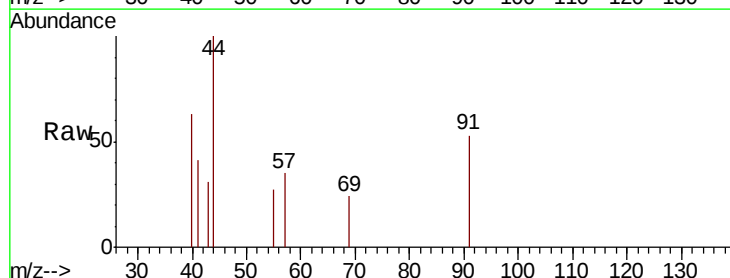
Acq: 17 May 2019 21:52

Tgt Ion: 91 Resp: 656

Ion Ratio Lower Upper

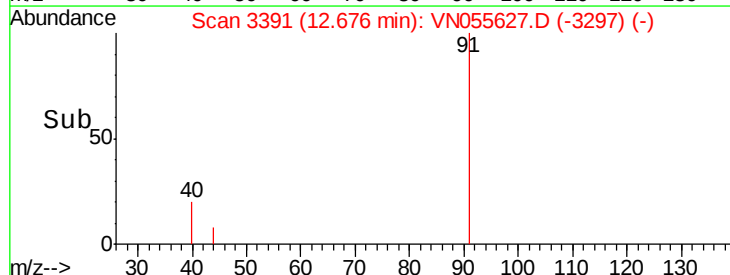
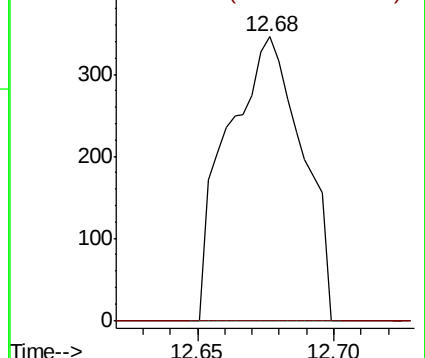
91 100

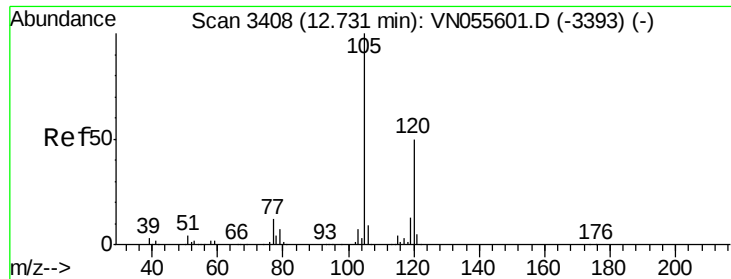
126 0.0 17.8 53.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

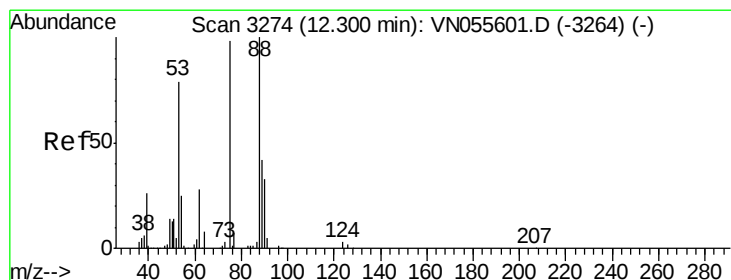
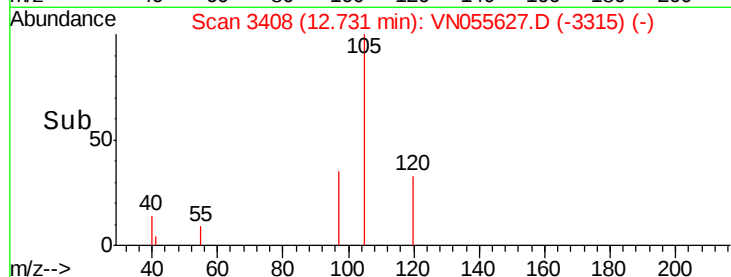
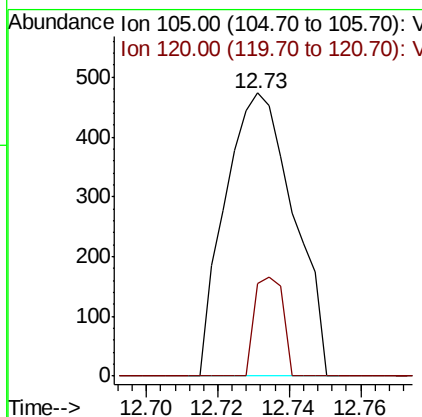
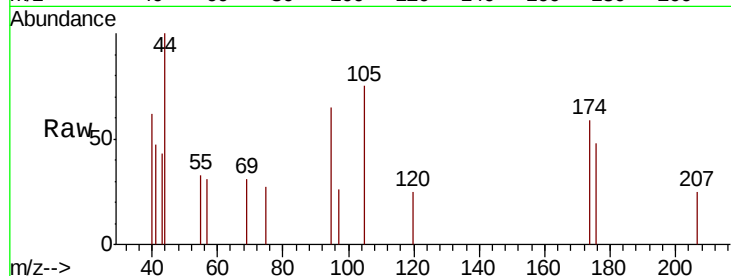




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055627.D
 Acq: 17 May 2019 21:52

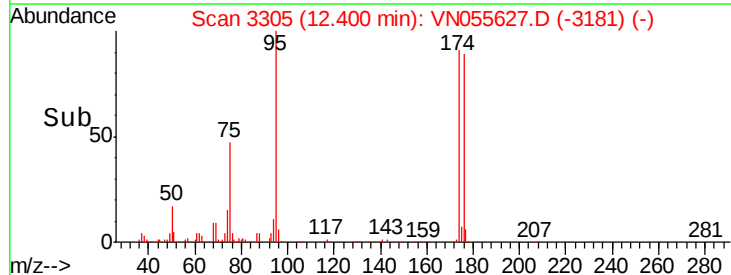
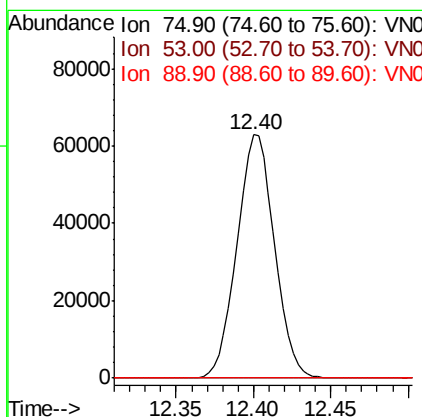
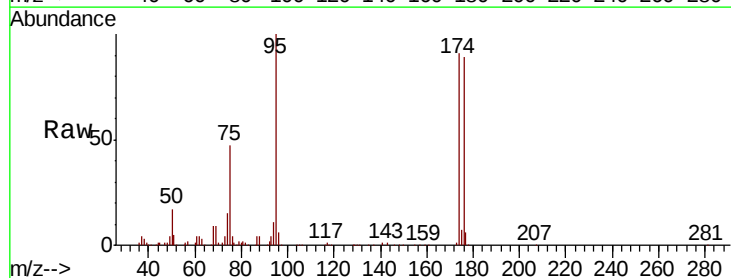
Instrument :
 MSVOA_N
 ClientSampled :

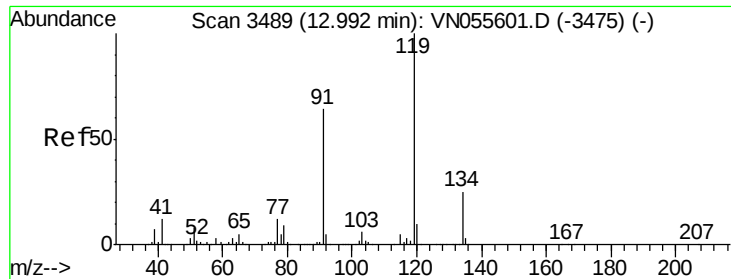
Tot Ion: 105 Resp: 626
 Ion Ratio Lower Upper
 105 100
 120 14.5 24.6 74.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.812 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055627.D
 Acq: 17 May 2019 21:52

Tgt Ion: 75 Resp: 106043
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.1 97.7#
 89 0.0 36.4 54.6#

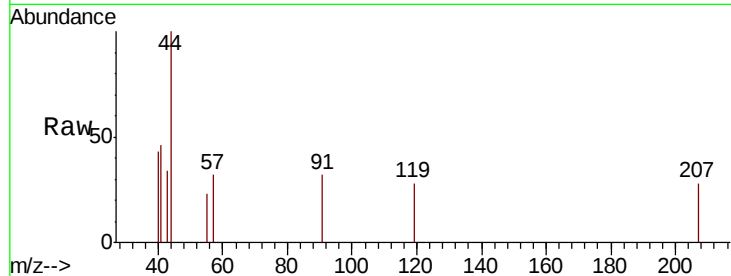




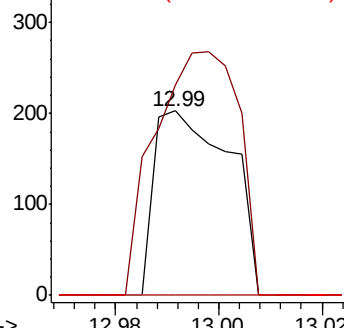
#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055627.D
Acq: 17 May 2019 21:52

Instrument :
MSVOA_N
ClientSampleId :

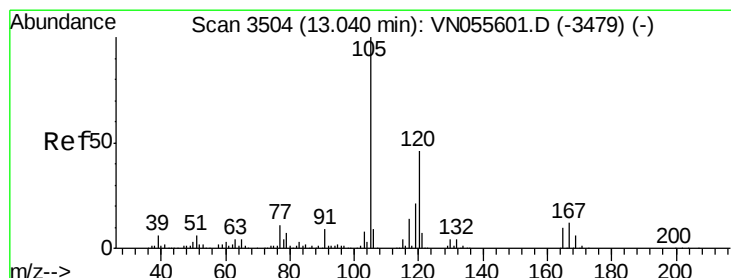
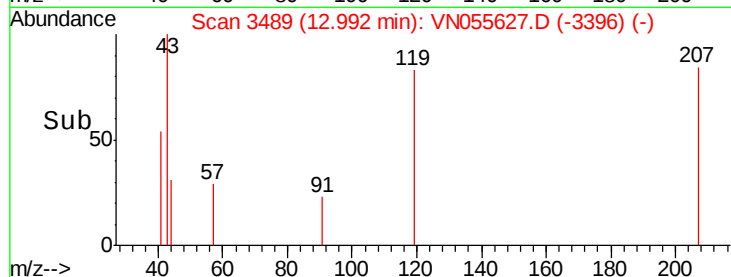
Tot Ion:119 Resp: 205
Ion Ratio Lower Upper
119 100
91 146.3 31.3 93.8#
134 0.0 13.2 39.6#



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

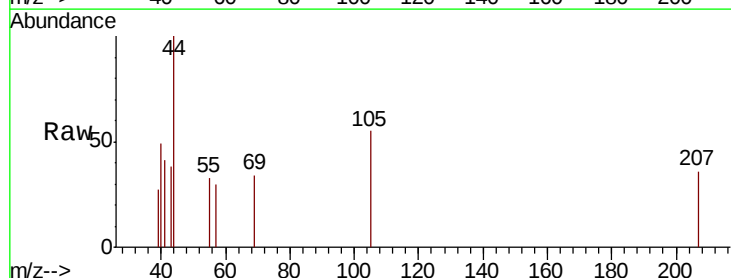


Time-->

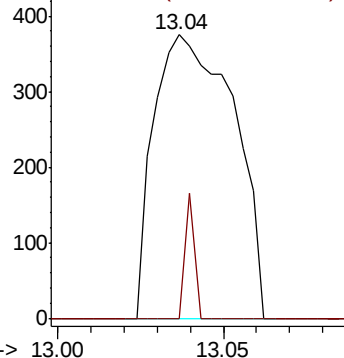


#84
1,2,4-Trimethylbenzene
Concen: Below Cal
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055627.D
Acq: 17 May 2019 21:52

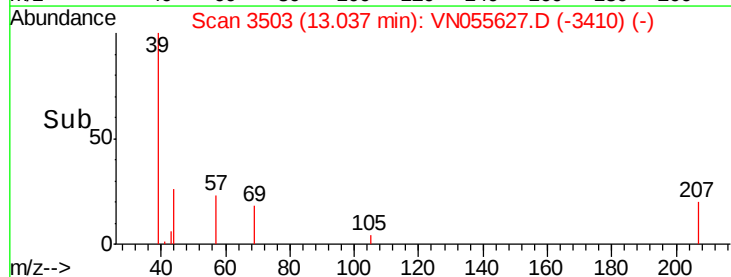
Tgt Ion:105 Resp: 629
Ion Ratio Lower Upper
105 100
120 5.1 23.1 69.2#

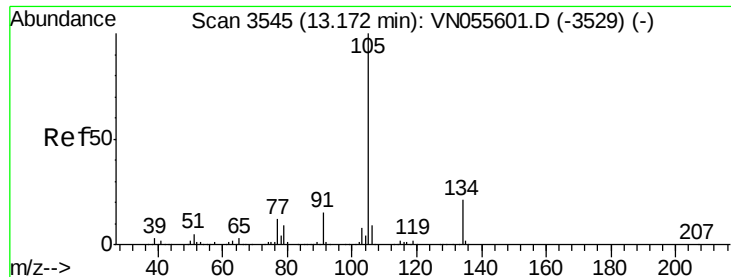


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



Time-->





#85

sec-Butylbenzene

Concen: Below Cal

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055627.D

Acq: 17 May 2019 21:52

Instrument :

MSVOA_N

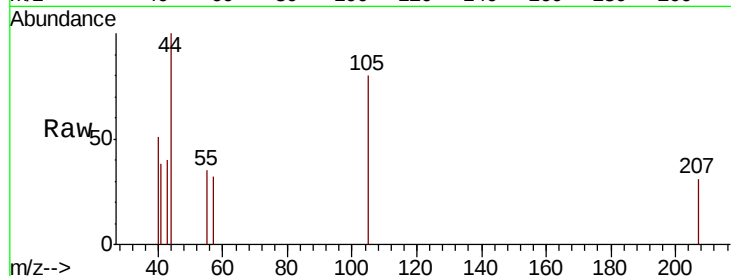
ClientSampleId :

Tot Ion:105 Resp: 669

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

600

500

400

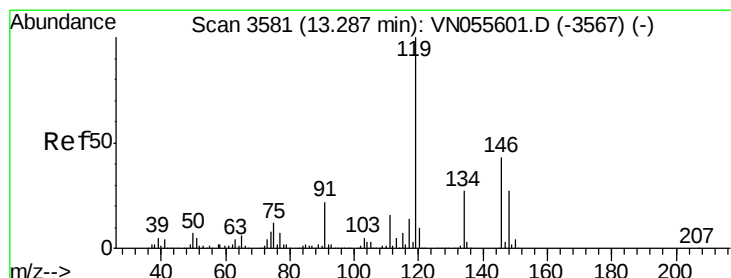
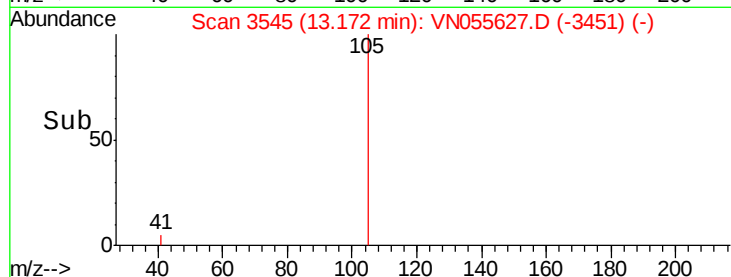
300

200

100

0

Time--> 13.14 13.16 13.18 13.20



#86

p-Isopropyltoluene

Concen: Below Cal

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN055627.D

Acq: 17 May 2019 21:52

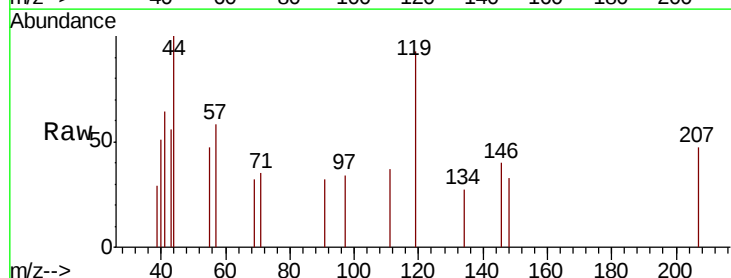
Tgt Ion:119 Resp: 766

Ion Ratio Lower Upper

119 100

134 11.6 13.4 40.2#

91 26.4 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

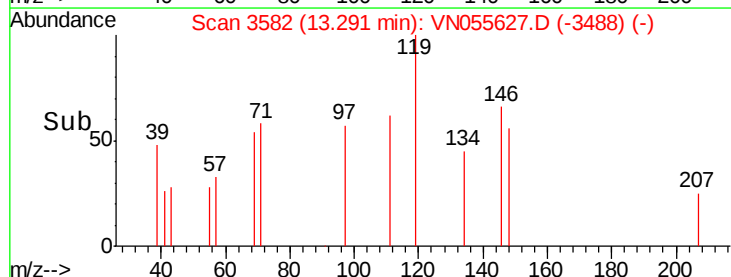
600

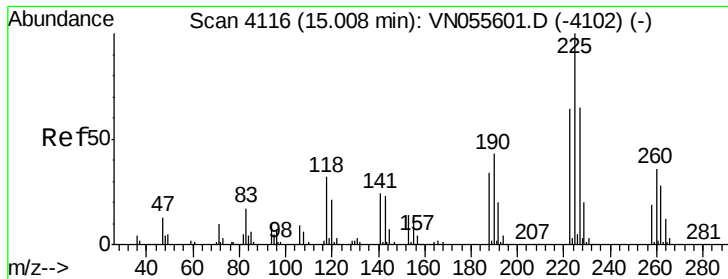
400

200

0

Time--> 13.25 13.30





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055627.D

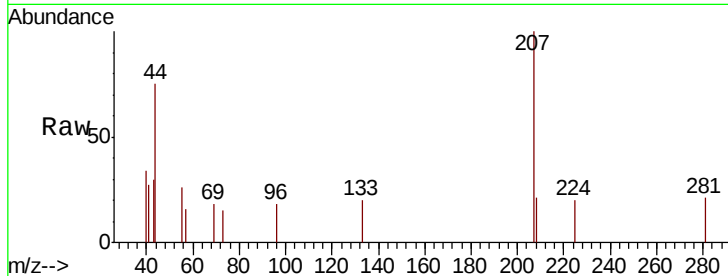
Acq: 17 May 2019 21:52

Instrument :

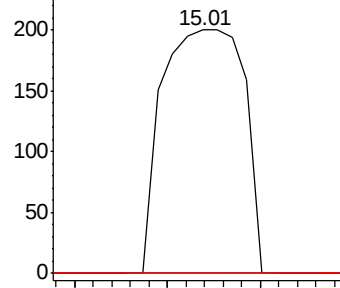
MSVOA_N

ClientSampled :

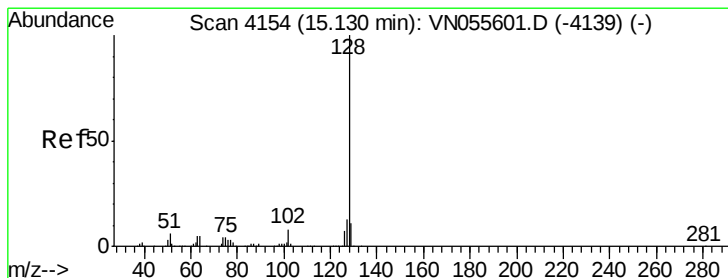
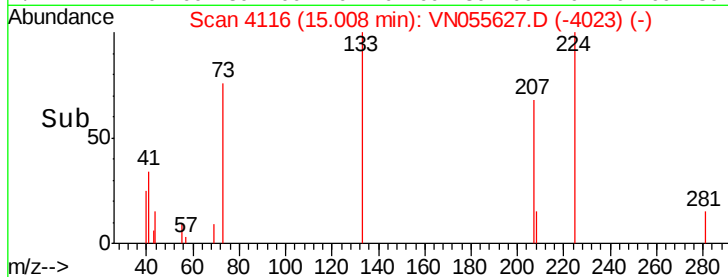
Tot Ion:	225	Resp:	247
Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.6	94.7#
227	0.0	32.4	97.0#



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



Time--> 14.98 15.00 15.02



#95

Naphthalene

Concen: 1.941 ug/l

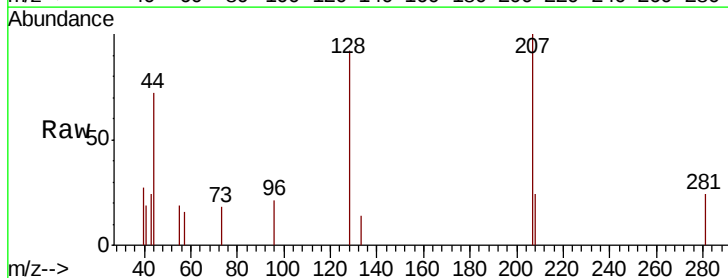
RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

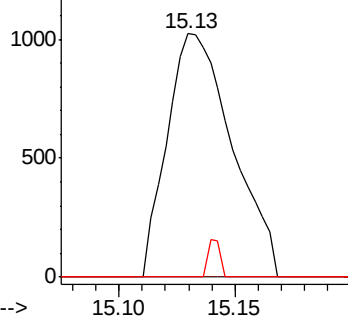
Lab File: VN055627.D

Acq: 17 May 2019 21:52

Tgt Ion:	128	Resp:	1995
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	3.0	8.6	12.8#



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



Time--> 15.10 15.15

