

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056731.D
 Acq On : 15 Jul 2019 23:24
 Operator : JC/SP
 Sample : PB121354ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB121354ZHE#01

Quant Time: Jul 16 04:27:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	270861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	471183	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	504645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	206268	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	156108	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
35) Dibromofluoromethane	7.59	113	141991	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
50) Toluene-d8	10.09	98	598903	52.88	ug/l	0.00
Spiked Amount			Recovery	=	105.76%	
62) 4-Bromofluorobenzene	12.40	95	226941	59.42	ug/l	0.00
Spiked Amount			Recovery	=	118.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.80	59	395	0.792	ug/l #	73
16) Acetone	3.83	43	9140	6.620	ug/l	94
17) Carbon Disulfide	4.06	76	2852	0.424	ug/l #	75
18) Methyl Acetate	4.34	43	717	Below Cal	#	52
20) Methylene Chloride	4.56	84	2509	0.832	ug/l	91
25) 2-Butanone	6.85	43	4953	2.454	ug/l	92
29) Tetrahydrofuran	7.22	42	974	0.740	ug/l #	84
31) Cyclohexane	7.66	56	4722	0.986	ug/l #	1
38) Carbon Tetrachloride	7.67	117	23495	5.746	ug/l #	15
41) Methacrylonitrile	7.22	41	469	0.248	ug/l #	100
43) Isopropyl Acetate	8.17	43	18301	2.709	ug/l #	88
45) 1,2-Dichloropropane	9.27	63	1669	0.470	ug/l #	45
48) Methyl methacrylate	9.18	41	8832	2.703	ug/l #	13
51) 4-Methyl-2-Pentanone	9.99	43	4943	1.130	ug/l	92
52) Toluene	10.16	92	2168	0.273	ug/l	93
54) cis-1,3-Dichloropropene	9.90	75	49692	9.818	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	11453	2.107	ug/l #	42
59) 2-Hexanone	10.76	43	154040	49.063	ug/l #	52
68) m/p-Xylenes	11.62	106	1711	0.252	ug/l	94
71) Bromoform	12.40	173	1691	0.585	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.50	83	367	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	105940	23.483	ug/l #	100
79) 2-Chlorotoluene	12.77	91	2726	Below Cal		95
80) 1,3,5-Trimethylbenzene	12.73	105	5238	0.372	ug/l	90
81) trans-1,4-Dichloro-2-buten	12.40	75	105940	72.523	ug/l #	13
82) 4-Chlorotoluene	12.77	91	2726	0.252	ug/l	96
83) tert-Butylbenzene	13.00	119	1003	Below Cal		90
87) 1,3-Dichlorobenzene	13.29	146	2234	0.313	ug/l	96
88) 1,4-Dichlorobenzene	13.29	146	2234	0.322	ug/l	96
89) n-Butylbenzene	13.61	91	4090	0.358	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1886	0.259	ug/l	92
93) 1,2,4-Trichlorobenzene	14.91	180	2868	4.351	ug/l	99
94) Hexachlorobutadiene	15.01	225	1056	Below Cal		91
95) Naphthalene	15.13	128	9510	5.308	ug/l	97

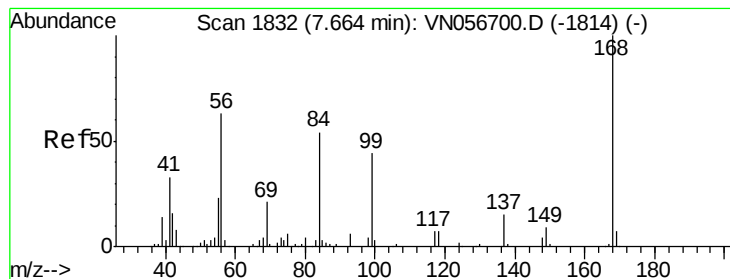
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
Data File : VN056731.D
Acq On : 15 Jul 2019 23:24
Operator : JC/SP
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Quant Time: Jul 16 04:27:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 01:25:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	3692	4.185	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056731.D

Acq: 15 Jul 2019 23:24

Instrument :

MSVOA_N

ClientSampleId :

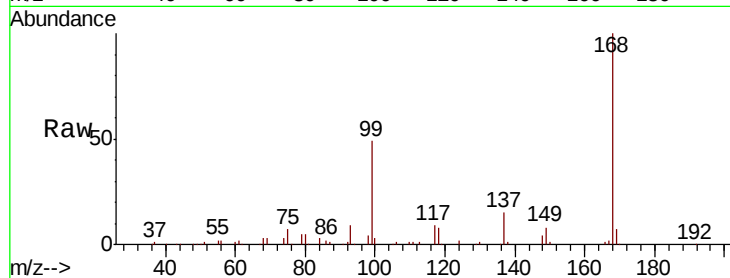
PB121354ZHE#01

Tot Ion:168 Resp: 270861

Ion Ratio Lower Upper

168 100

99 49.0 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

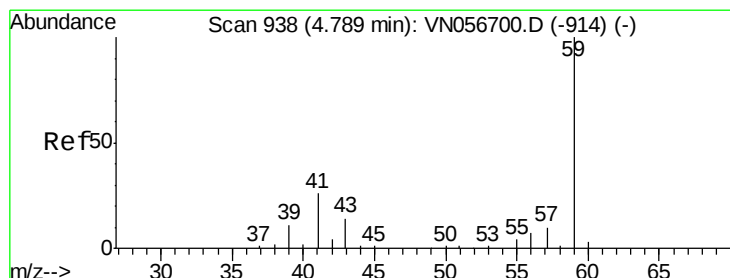
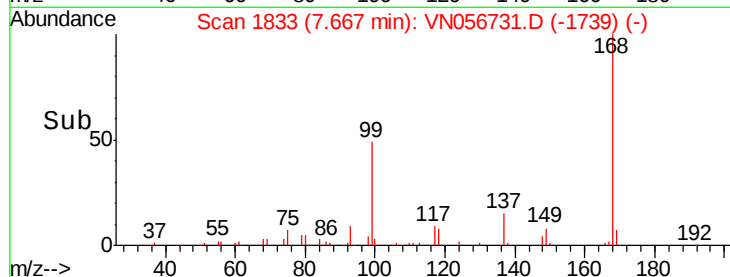
7.67

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.792 ug/l

RT: 4.80 min Scan# 940

Delta R.T. 0.01 min

Lab File: VN056731.D

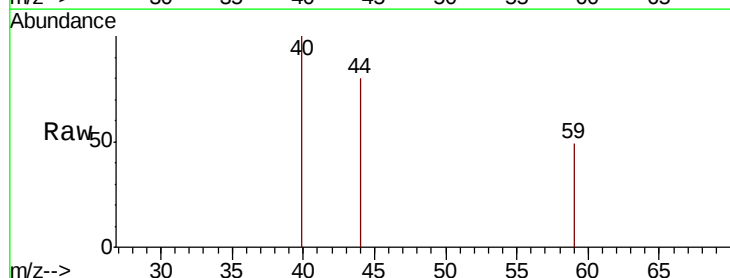
Acq: 15 Jul 2019 23:24

Tgt Ion: 59 Resp: 395

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.80

250

200

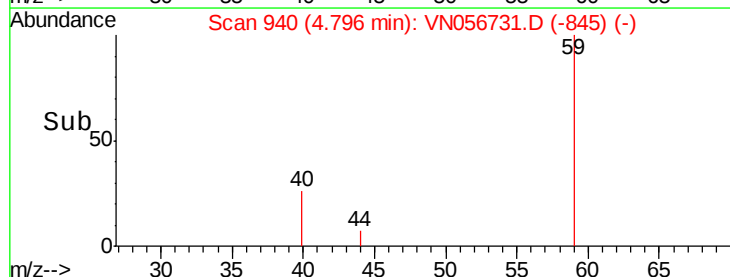
150

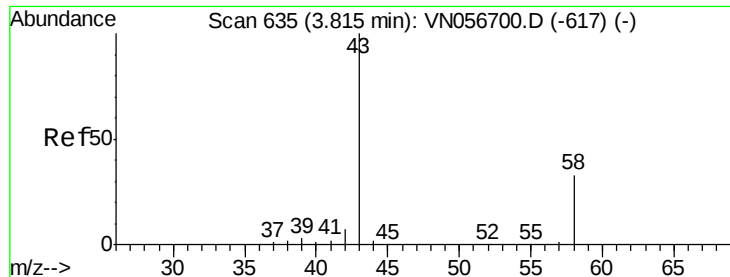
100

50

0

Time-->





#16

Acetone

Concen: 6.620 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056731.D

Acq: 15 Jul 2019 23:24

Instrument :

MSVOA_N

ClientSampleId :

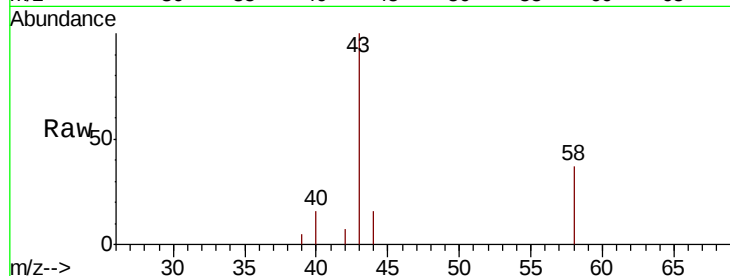
PB121354ZHE#01

Tot Ion: 43 Resp: 9140

Ion Ratio Lower Upper

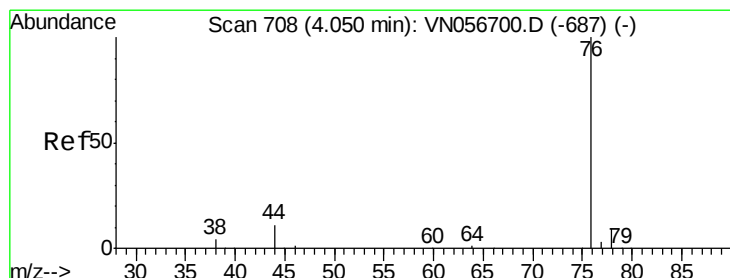
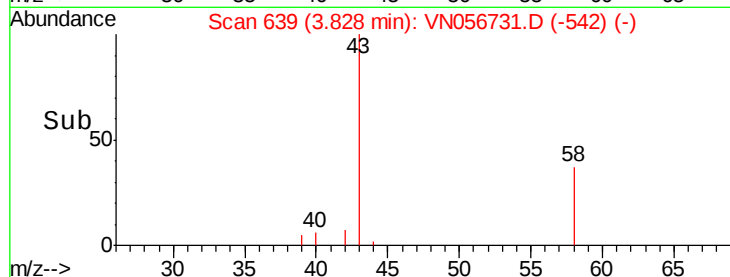
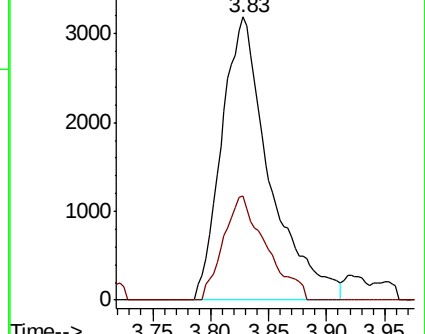
43 100

58 36.6 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN056731.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN056731.D (-542) (-)



#17

Carbon Disulfide

Concen: 0.424 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.01 min

Lab File: VN056731.D

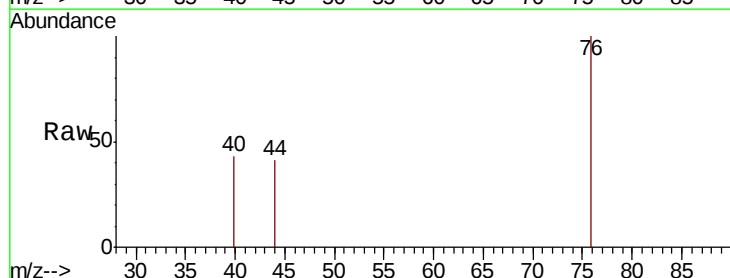
Acq: 15 Jul 2019 23:24

Tgt Ion: 76 Resp: 2852

Ion Ratio Lower Upper

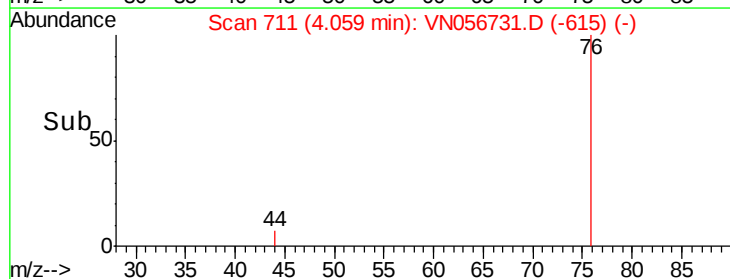
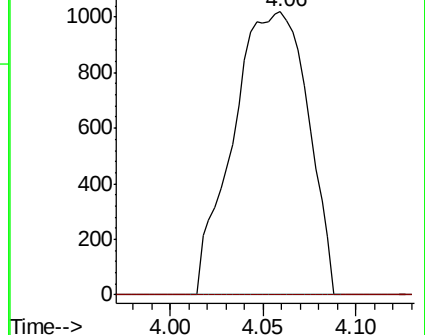
76 100

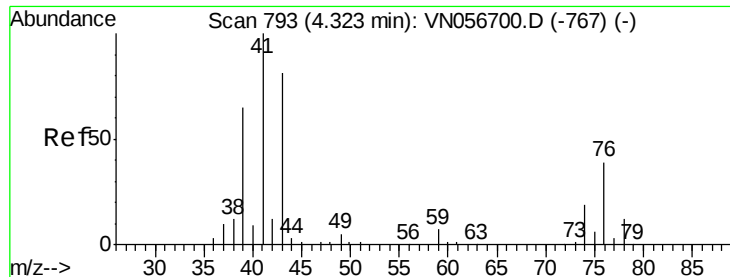
78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN056731.D (-615) (-)

Ion 77.90 (77.60 to 78.60): VN056731.D (-615) (-)





#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 799

Delta R.T. 0.02 min

Lab File: VN056731.D

Acq: 15 Jul 2019 23:24

Instrument :

MSVOA_N

ClientSampleId :

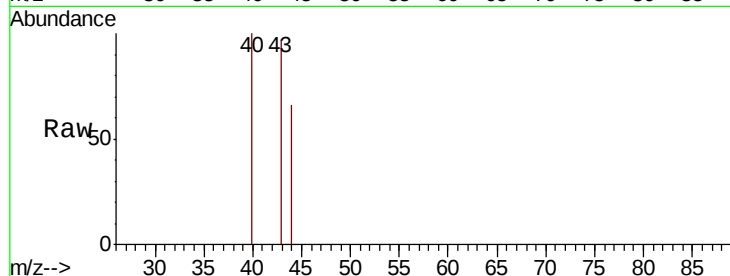
PB121354ZHE#01

Tot Ion: 43 Resp: 717

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

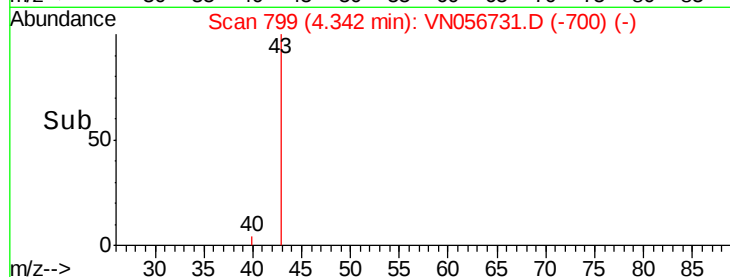
Ion 74.00 (73.70 to 74.70): VN0

4.34

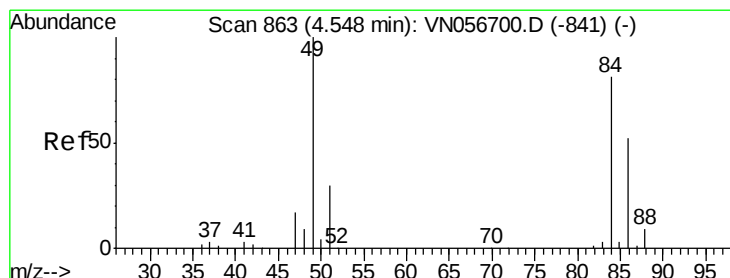
4.32

4.34

4.36



Time-->



#20

Methylene Chloride

Concen: 0.832 ug/l

RT: 4.56 min Scan# 868

Delta R.T. 0.02 min

Lab File: VN056731.D

Acq: 15 Jul 2019 23:24

Tgt Ion: 84 Resp: 2509

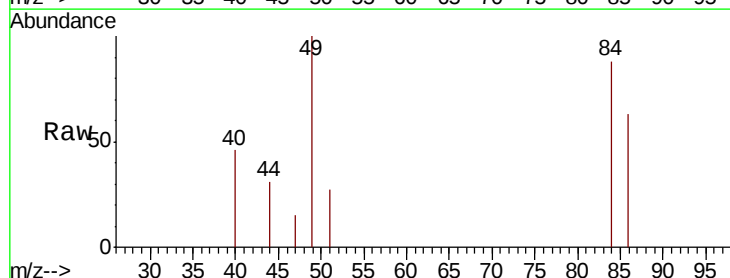
Ion Ratio Lower Upper

84 100

49 113.8 98.2 147.4

51 31.1 29.6 44.4

86 71.2 51.0 76.4



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

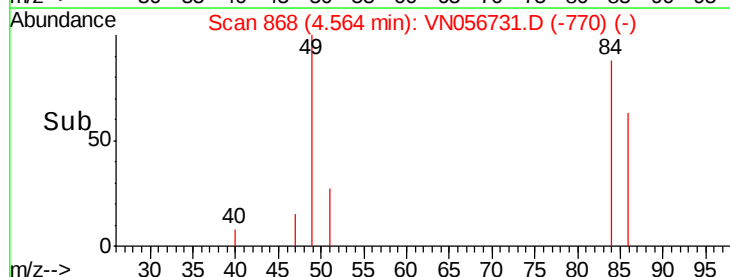
Ion 85.90 (85.60 to 86.60): VN0

4.56

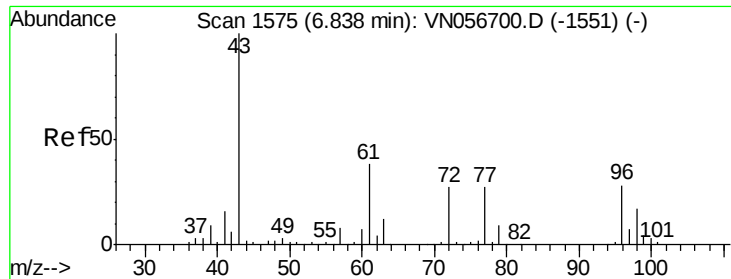
4.50

4.55

4.60



Time-->



#25

2-Butanone

Concen: 2.454 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.02 min

Lab File: VN056731.D

Acq: 15 Jul 2019 23:24

Instrument :

MSVOA_N

ClientSampleId :

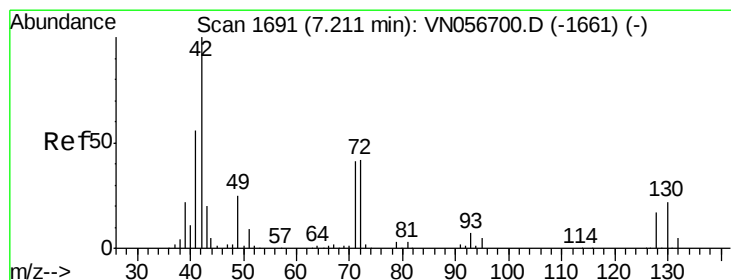
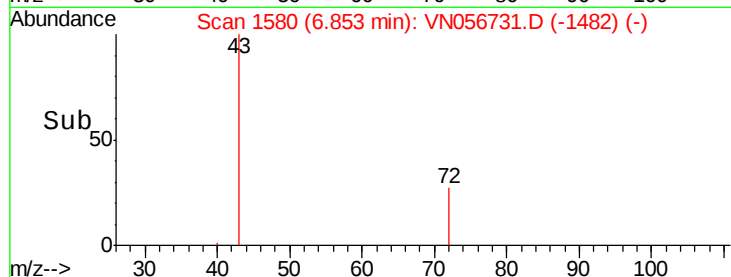
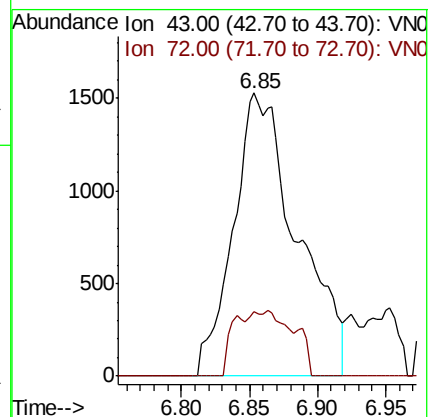
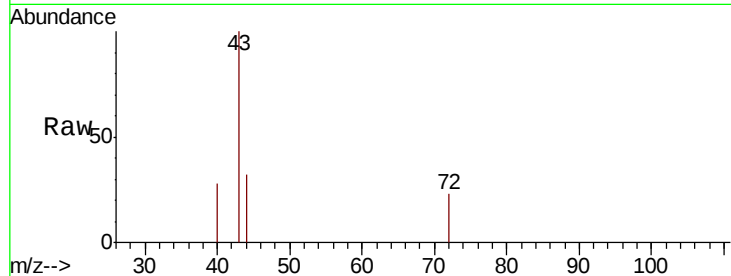
PB121354ZHE#01

Tot Ion: 43 Resp: 4953

Ion Ratio Lower Upper

43 100

72 22.6 21.2 31.8



#29

Tetrahydrofuran

Concen: 0.740 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VN056731.D

Acq: 15 Jul 2019 23:24

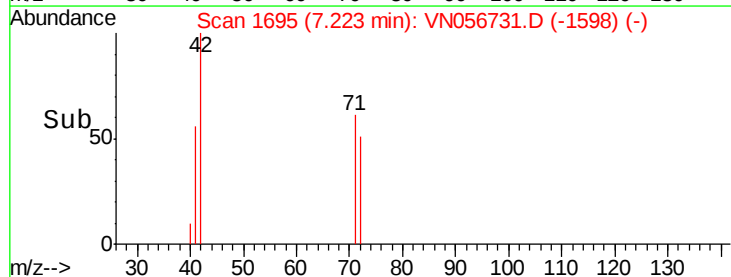
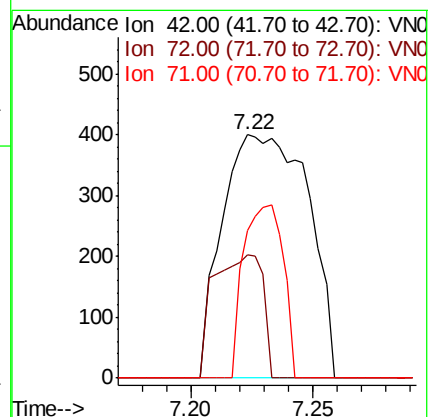
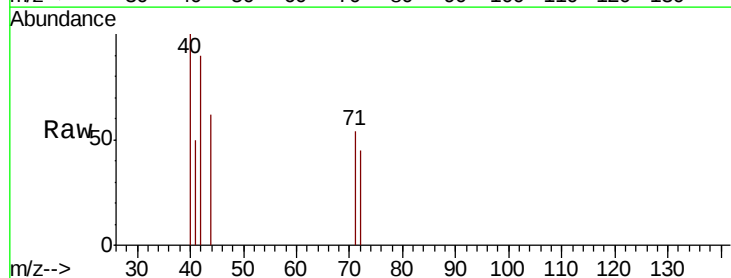
Tgt Ion: 42 Resp: 974

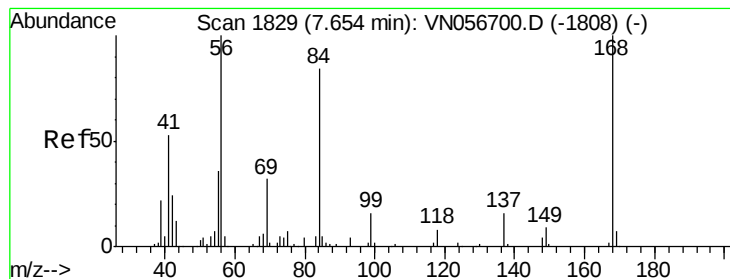
Ion Ratio Lower Upper

42 100

72 28.9 33.5 50.3#

71 32.6 31.8 47.8





#31

Cyclohexane

Concen: 0.986 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN056731.D

Acq: 15 Jul 2019 23:24

Instrument :

MSVOA_N

ClientSampleId :

PB121354ZHE#01

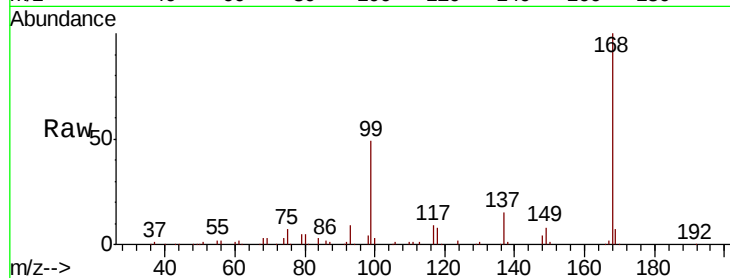
Tot Ion: 56 Resp: 4722

Ion Ratio Lower Upper

56 100

69 174.2 25.8 38.8#

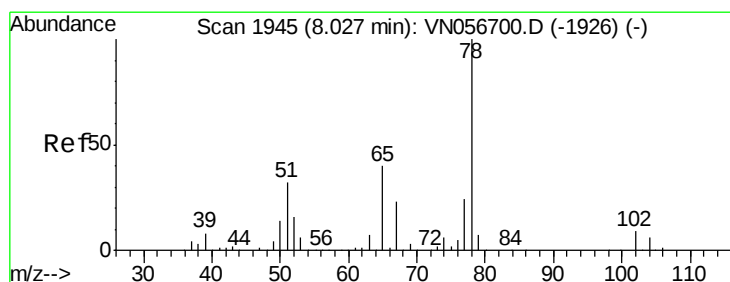
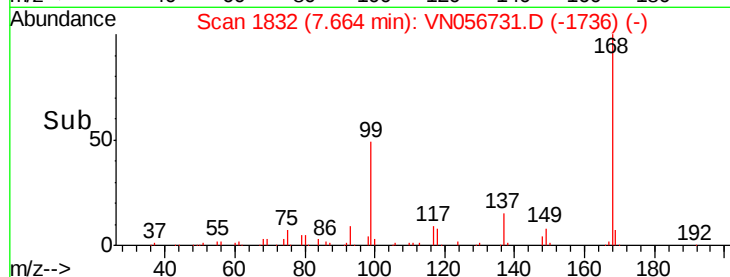
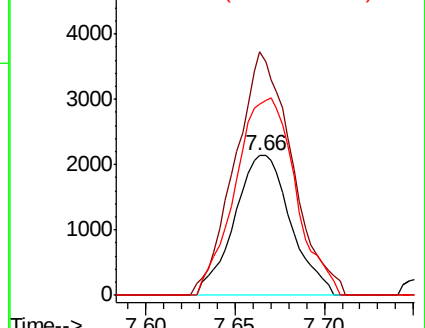
84 136.5 67.4 101.0#



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: 52.104 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056731.D

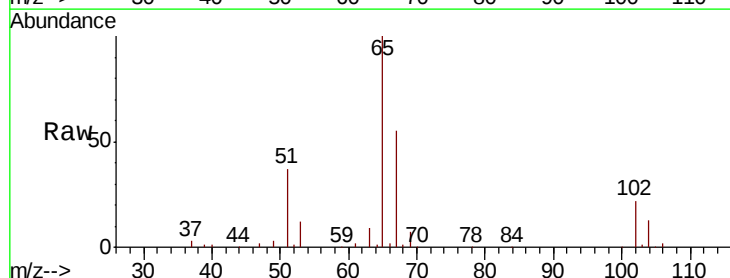
Acq: 15 Jul 2019 23:24

Tgt Ion: 65 Resp: 156108

Ion Ratio Lower Upper

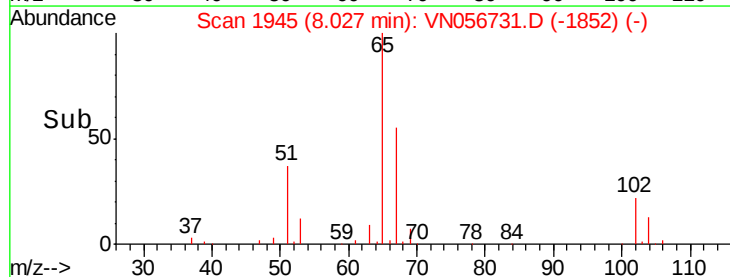
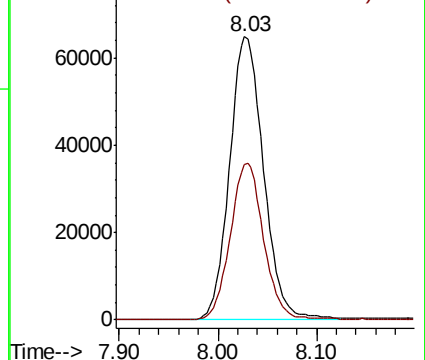
65 100

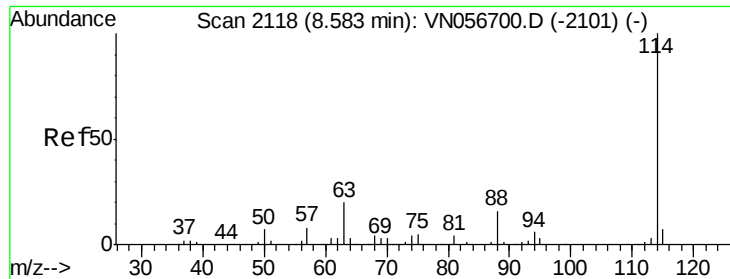
67 54.3 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

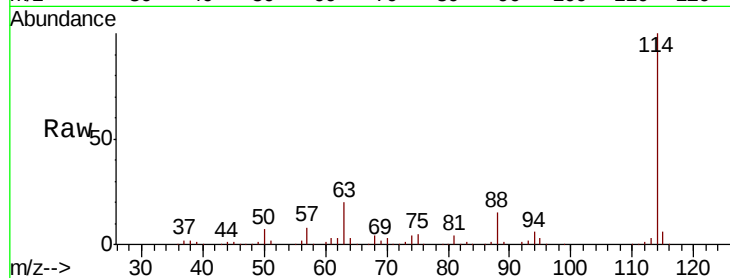




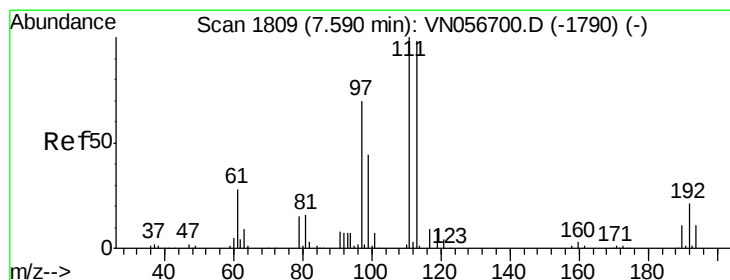
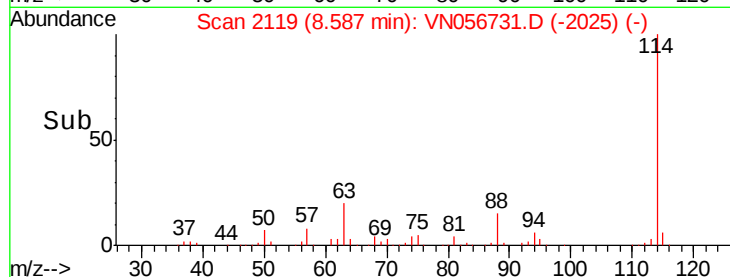
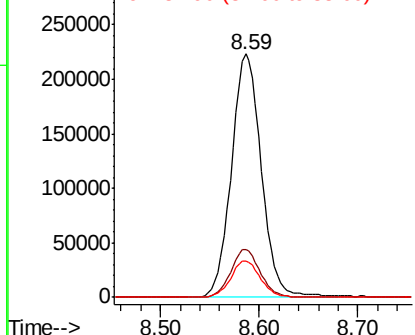
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056731.D
 Acq: 15 Jul 2019 23:24

Instrument :
 MSVOA_N
 ClientSampleId :
 PB121354ZHE#01

Tot Ion:114 Resp: 471183
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.4
 88 15.1 0.0 31.2

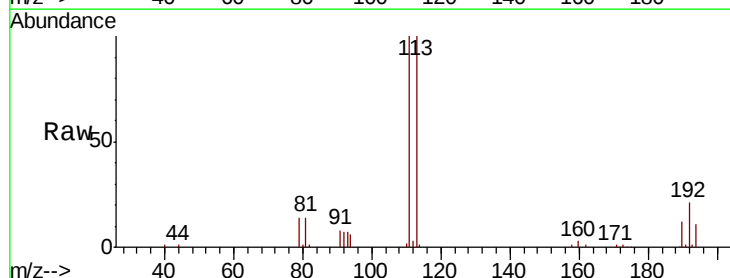


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

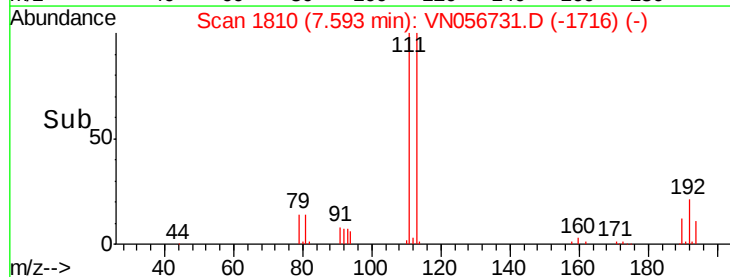
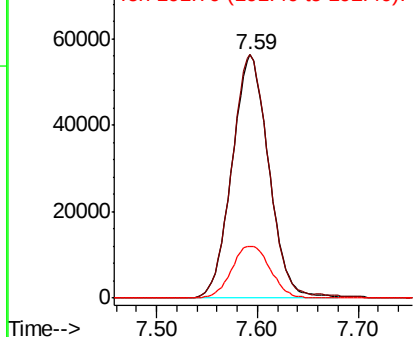


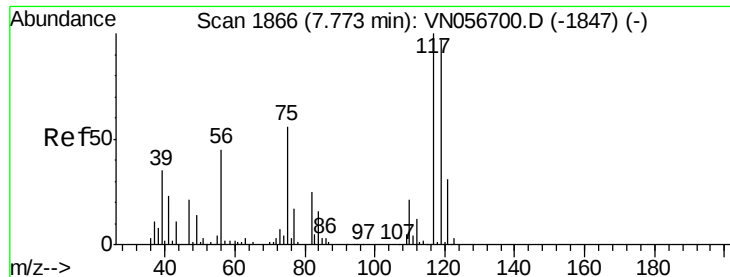
#35
 Dibromofluoromethane
 Concen: 48.424 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056731.D
 Acq: 15 Jul 2019 23:24

Tgt Ion:113 Resp: 141991
 Ion Ratio Lower Upper
 113 100
 111 99.9 81.8 122.6
 192 22.5 17.5 26.3



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





#38

Carbon Tetrachloride

Concen: 5.746 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN056731.D

Acq: 15 Jul 2019 23:24

Instrument :

MSVOA_N

ClientSampleId :

PB121354ZHE#01

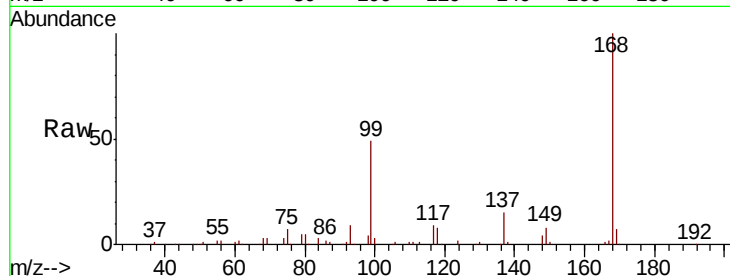
Tot Ion:117 Resp: 23495

Ion Ratio Lower Upper

117 100

119 4.9 77.5 116.3#

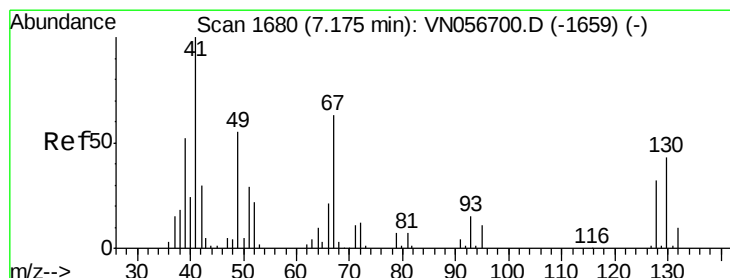
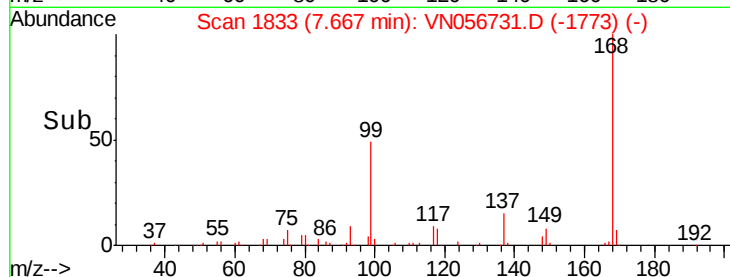
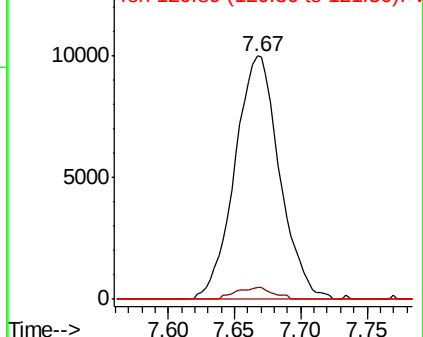
121 0.0 24.7 37.1#



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



#41

Methacrylonitrile

Concen: 0.248 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.04 min

Lab File: VN056731.D

Acq: 15 Jul 2019 23:24

Tgt Ion: 41 Resp: 469

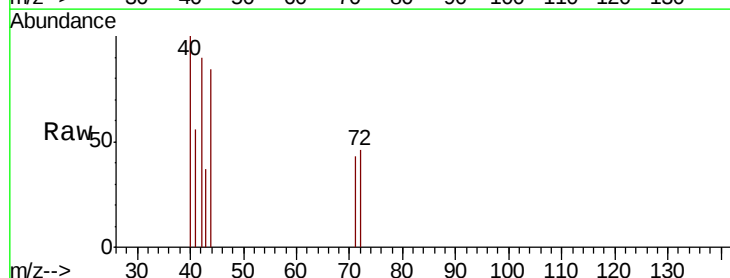
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

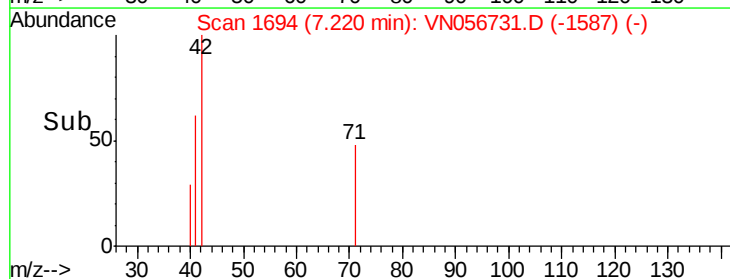
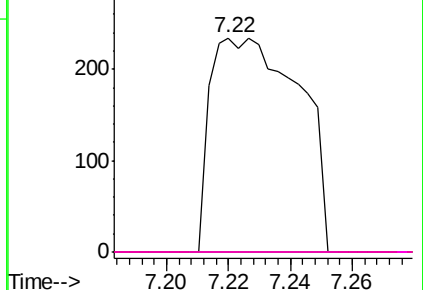


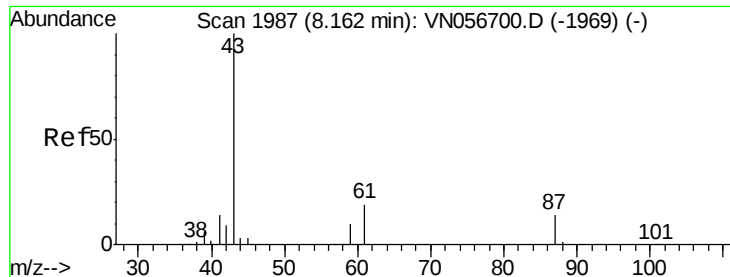
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO





#43

Isopropyl Acetate

Concen: 2.709 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN056731.D

Acq: 15 Jul 2019 23:24

Instrument :

MSVOA_N

ClientSampleId :

PB121354ZHE#01

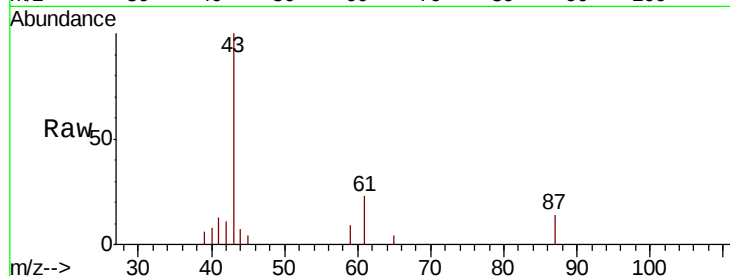
Tot Ion: 43 Resp: 18301

Ion Ratio Lower Upper

43 100

61 19.5 22.3 33.5#

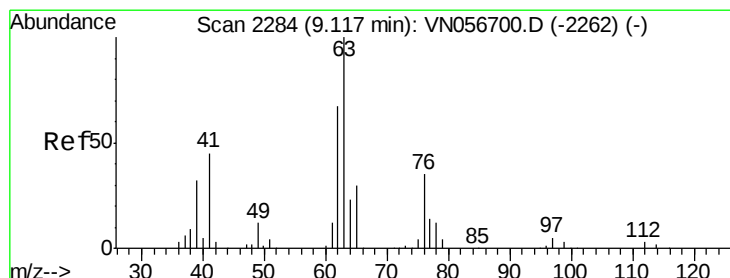
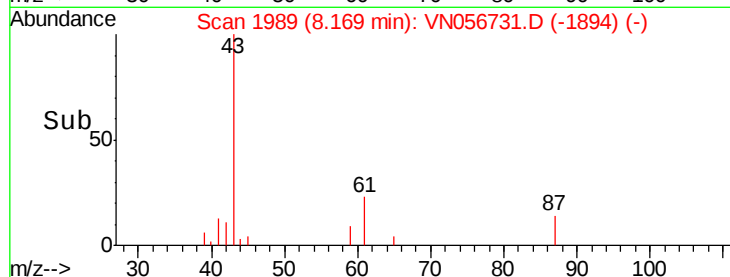
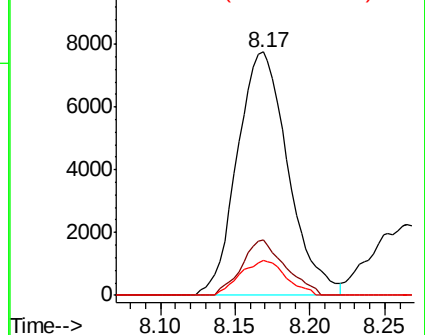
87 12.8 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.470 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN056731.D

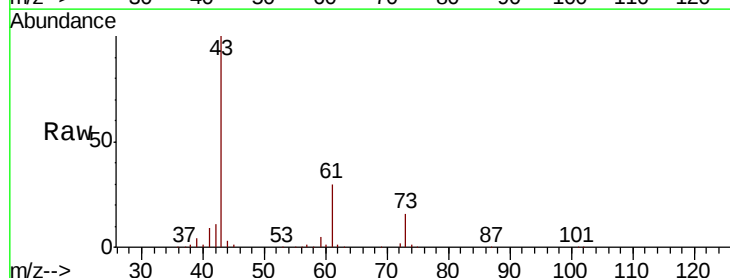
Acq: 15 Jul 2019 23:24

Tgt Ion: 63 Resp: 1669

Ion Ratio Lower Upper

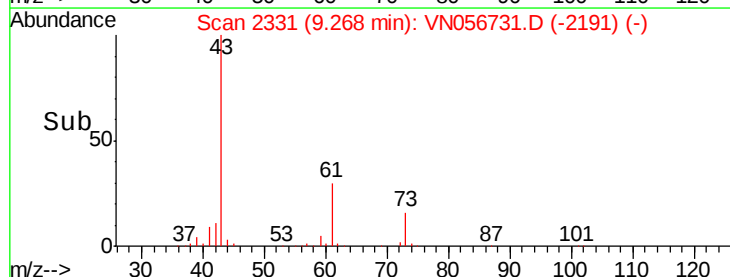
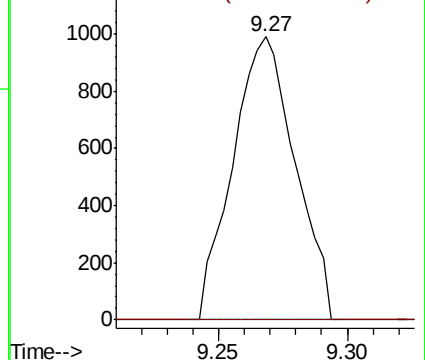
63 100

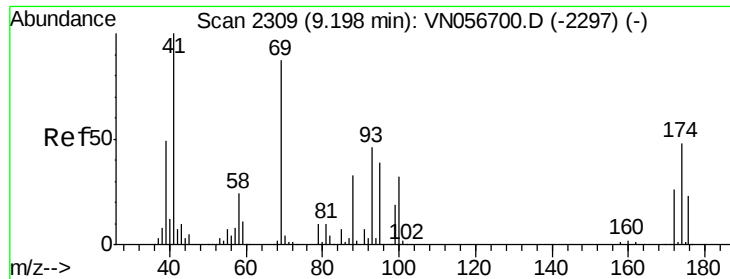
65 0.0 24.0 36.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

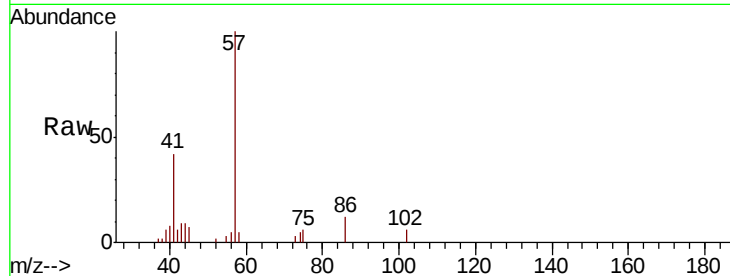




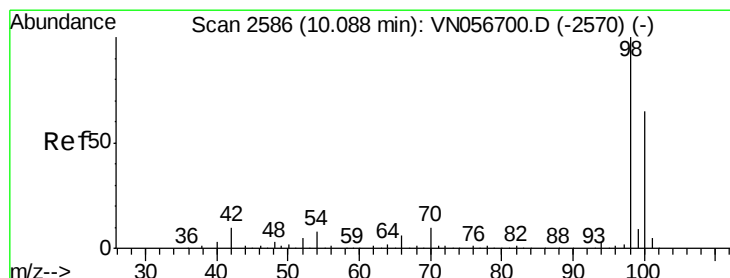
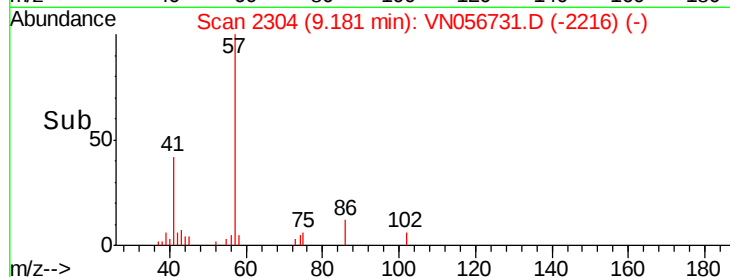
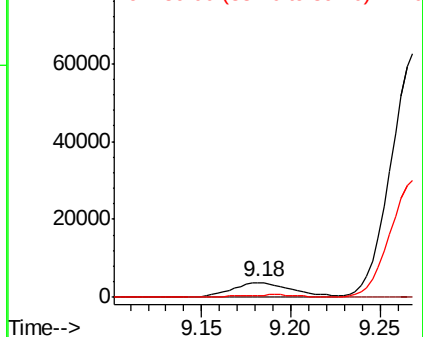
#48
Methvl methacrylate
Concen: 2.703 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN056731.D
Acq: 15 Jul 2019 23:24

Instrument :
MSVOA_N
ClientSampleId :
PB121354ZHE#01

Tot Ion: 41 Resp: 8832
Ion Ratio Lower Upper
41 100
69 0.0 71.4 107.0#
39 0.0 41.2 61.8#

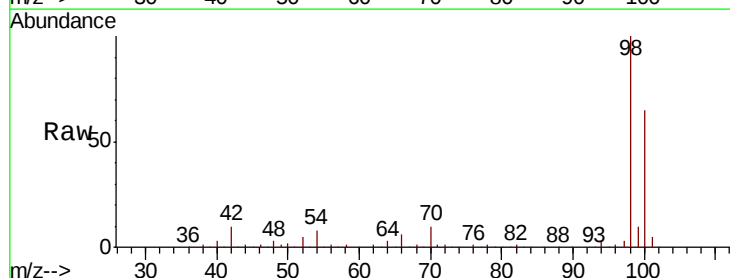


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

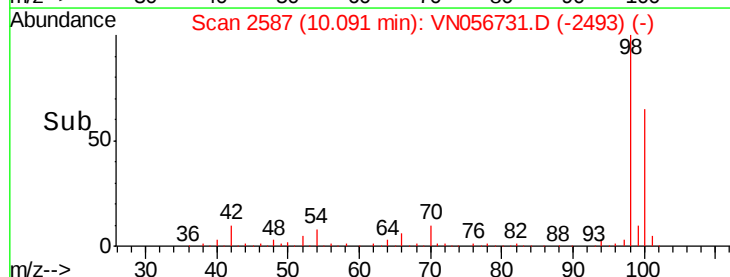
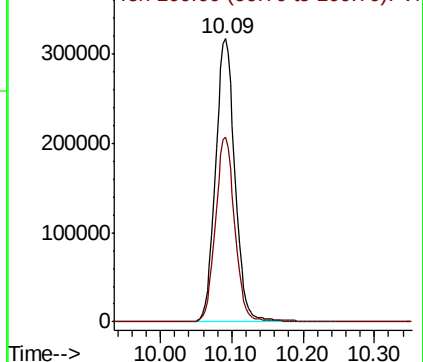


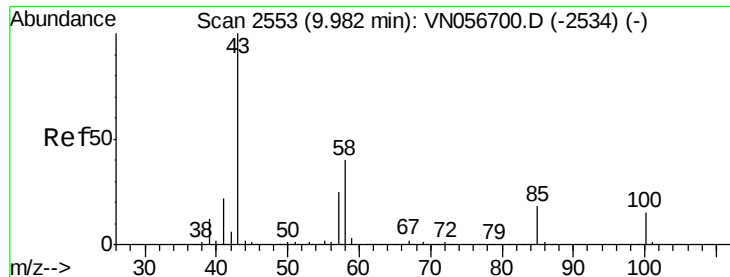
#50
Toluene-d8
Concen: 52.883 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056731.D
Acq: 15 Jul 2019 23:24

Tgt Ion: 98 Resp: 598903
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.130 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.01 min

Lab File: VN056731.D

Acq: 15 Jul 2019 23:24

Instrument :

MSVOA_N

ClientSampleId :

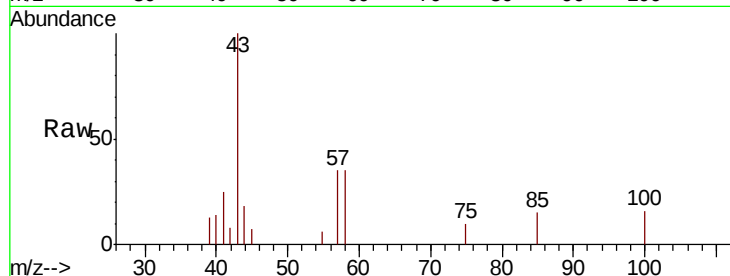
PB121354ZHE#01

Tot Ion: 43 Resp: 4943

Ion Ratio Lower Upper

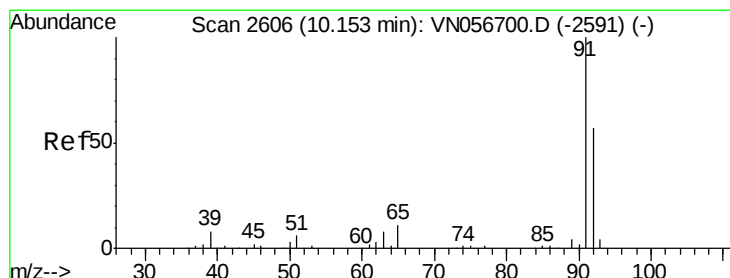
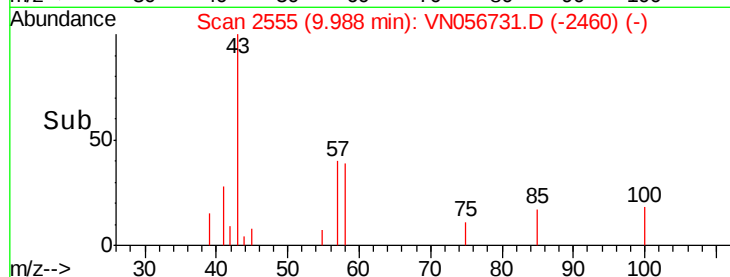
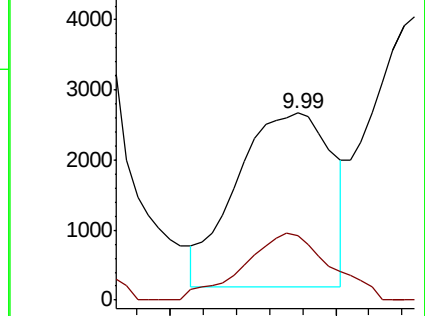
43 100

58 35.0 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.273 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056731.D

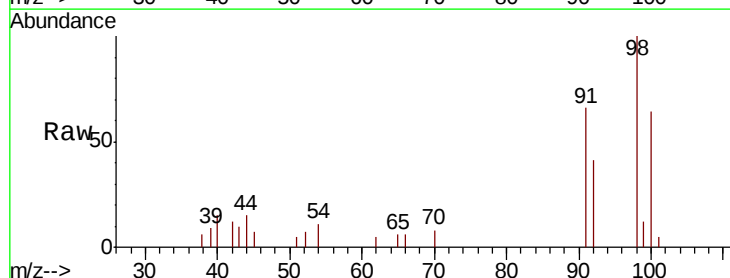
Acq: 15 Jul 2019 23:24

Tgt Ion: 92 Resp: 2168

Ion Ratio Lower Upper

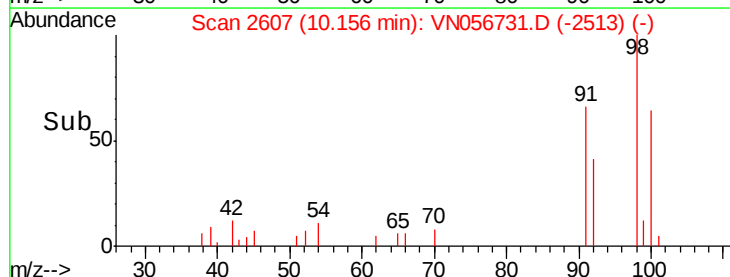
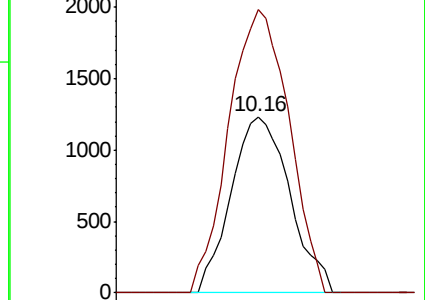
92 100

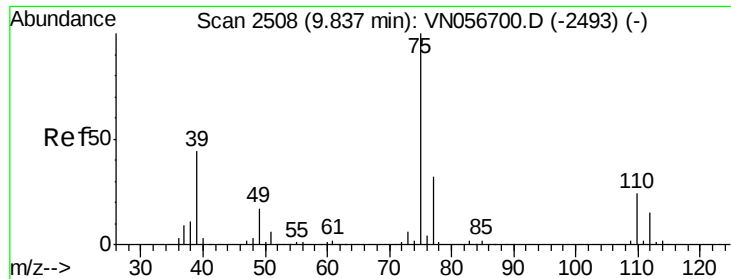
91 164.6 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



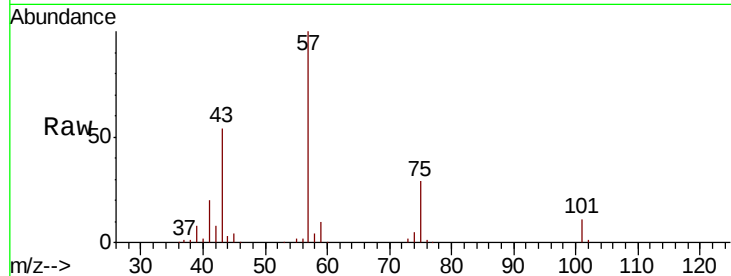


#54

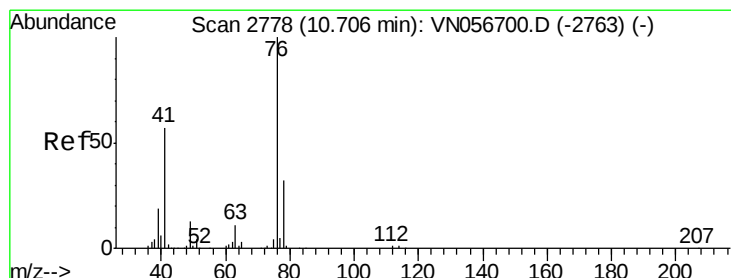
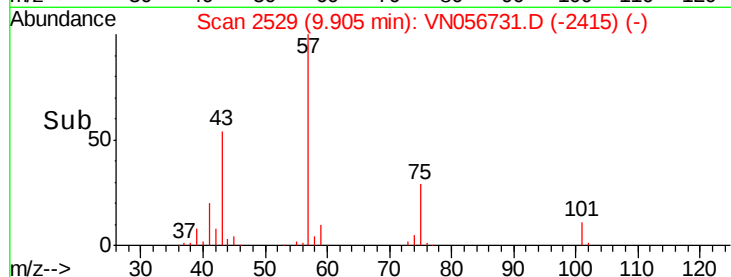
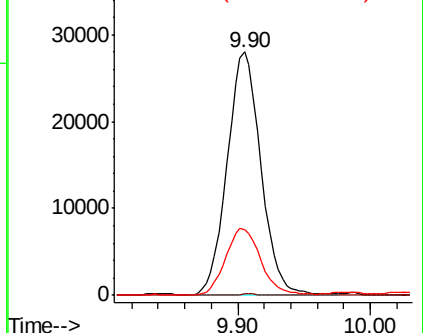
cis-1,3-Dichloropropene
 Concen: 9.818 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN056731.D
 Acq: 15 Jul 2019 23:24

Instrument :
 MSVOA_N
 ClientSampleId :
 PB121354ZHE#01

Tot Ion: 75 Resp: 49692
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.0 39.0#
 39 27.2 35.1 52.7#



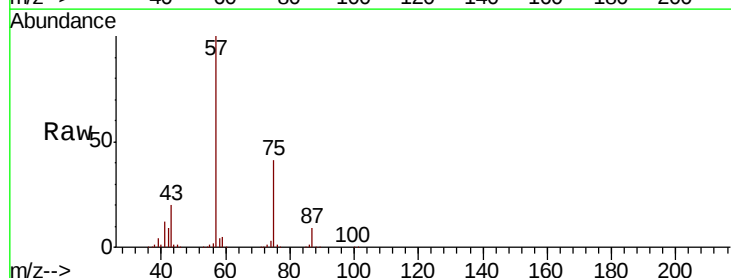
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



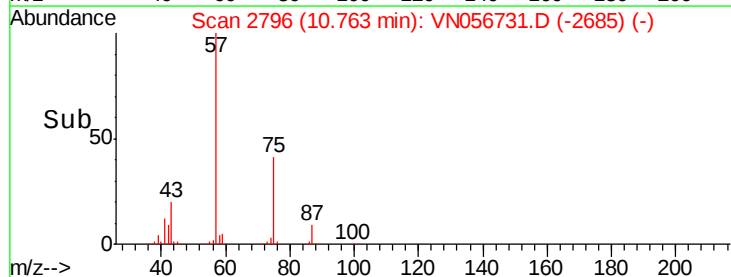
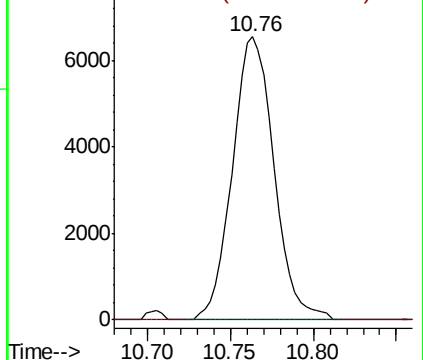
#57

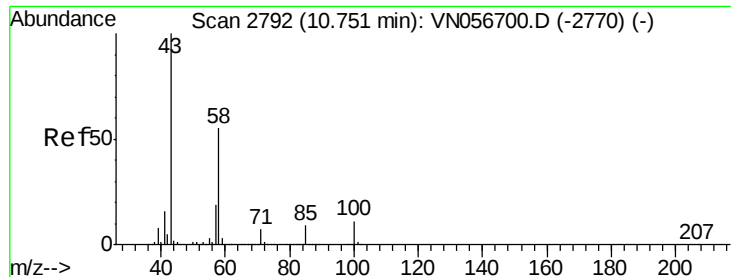
1,3-Dichloropropane
 Concen: 2.107 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN056731.D
 Acq: 15 Jul 2019 23:24

Tgt Ion: 76 Resp: 11453
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0
 Ion 77.90 (77.60 to 78.60): VN0

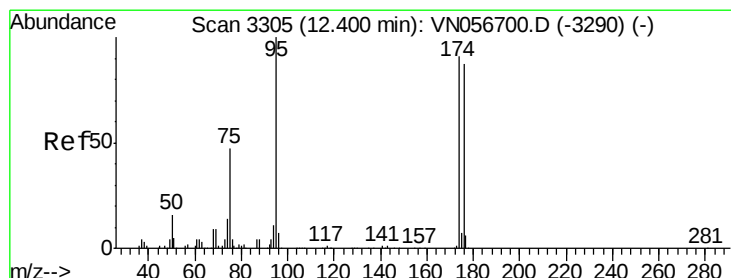
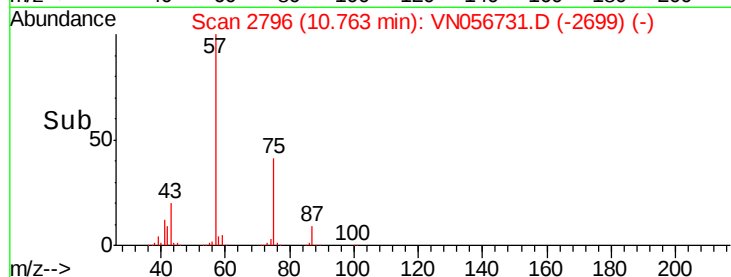
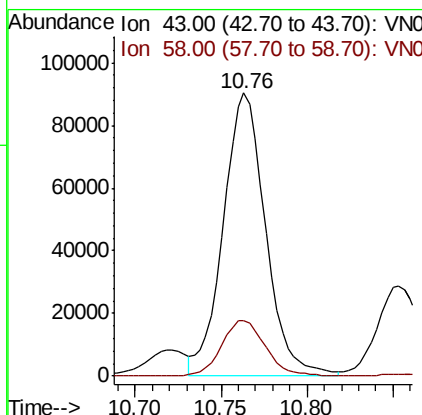
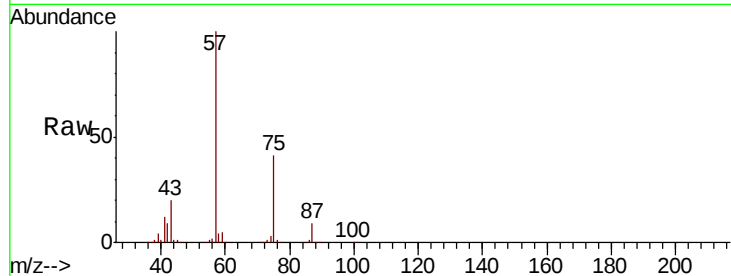




#59
2-Hexanone
Concen: 49.063 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN056731.D
Acq: 15 Jul 2019 23:24

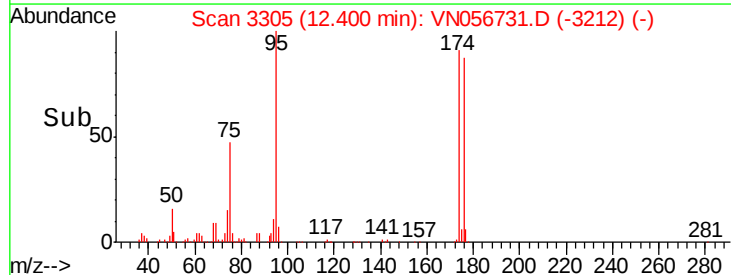
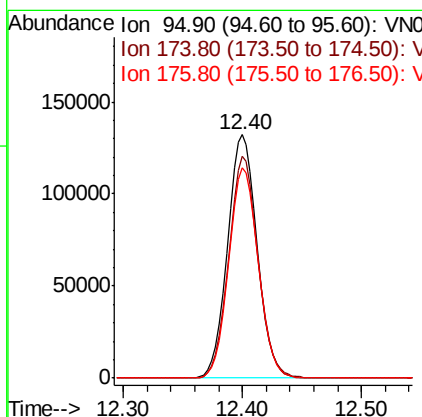
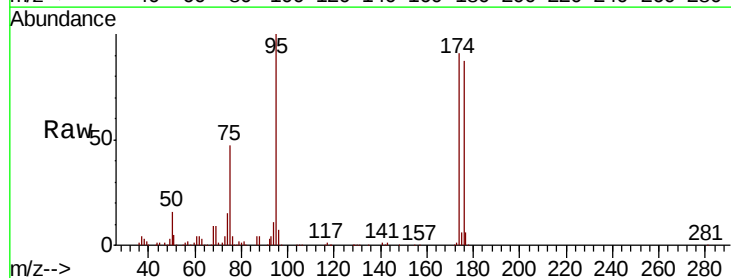
Instrument :
MSVOA_N
ClientSampleId :
PB121354ZHE#01

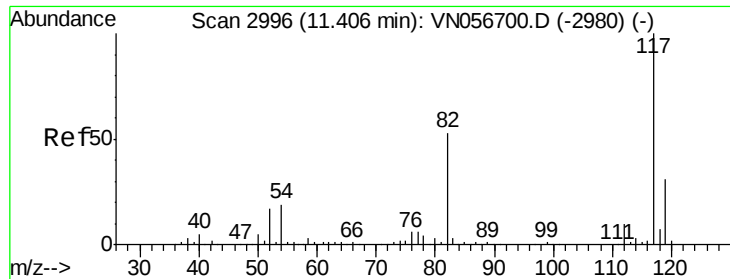
Tot Ion: 43 Resp: 154040
Ion Ratio Lower Upper
43 100
58 20.5 27.9 83.6#



#62
4-Bromofluorobenzene
Concen: 59.421 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056731.D
Acq: 15 Jul 2019 23:24

Tgt Ion: 95 Resp: 226941
Ion Ratio Lower Upper
95 100
174 90.1 0.0 180.0
176 86.3 0.0 173.2

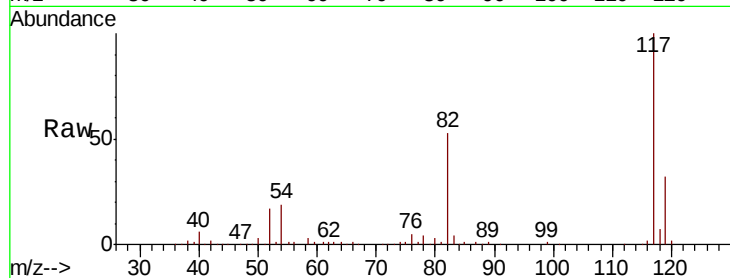




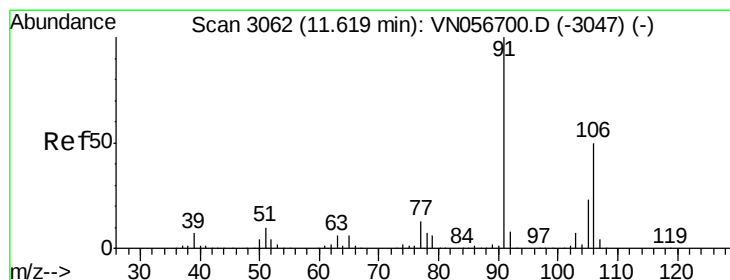
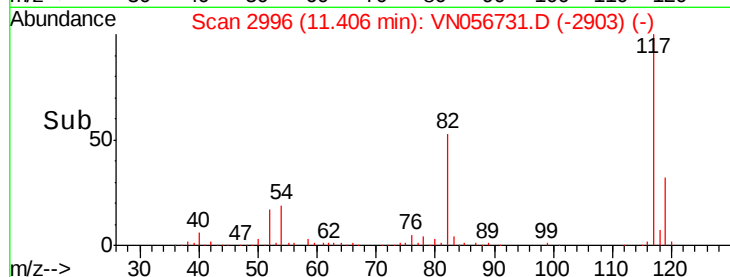
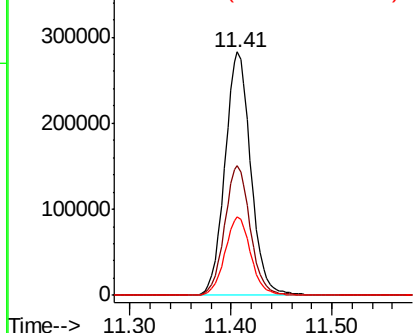
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056731.D
Acq: 15 Jul 2019 23:24

Instrument :
MSVOA_N
ClientSampleId :
PB121354ZHE#01

Tot Ion:117 Resp: 504645
Ion Ratio Lower Upper
117 100
82 53.2 42.2 63.2
119 32.4 25.2 37.8

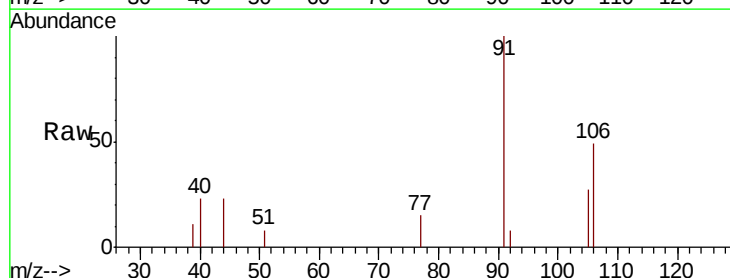


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

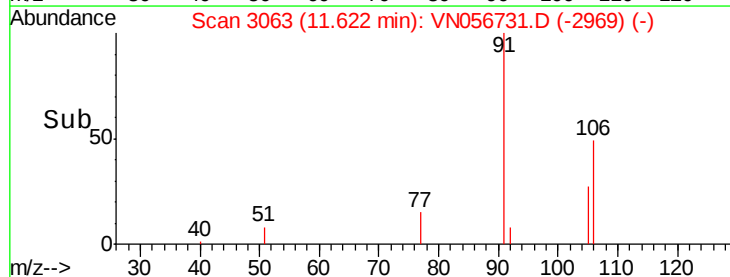
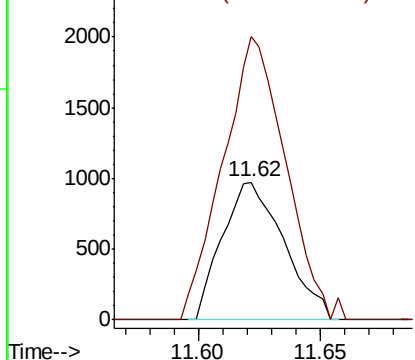


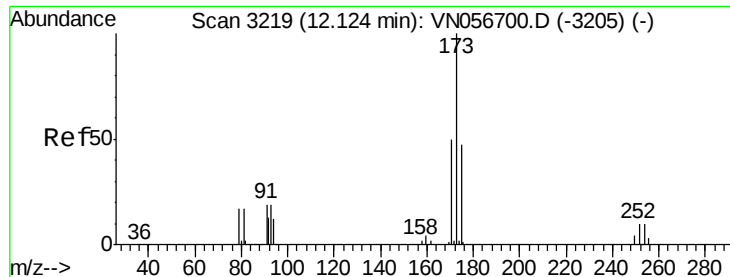
#68
m/p-Xylenes
Concen: 0.252 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056731.D
Acq: 15 Jul 2019 23:24

Tgt Ion:106 Resp: 1711
Ion Ratio Lower Upper
106 100
91 209.0 160.5 240.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 0.585 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN056731.D

Acq: 15 Jul 2019 23:24

Instrument :

MSVOA_N

ClientSampleId :

PB121354ZHE#01

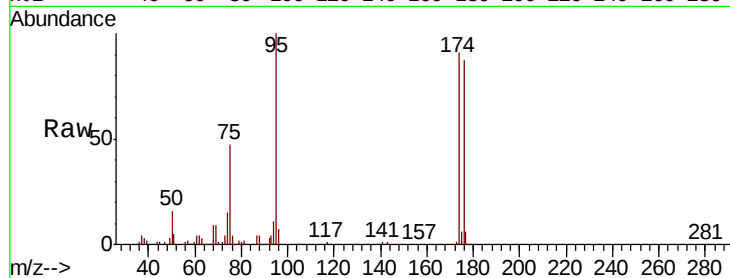
Tot Ion:173 Resp: 1691

Ion Ratio Lower Upper

173 100

175 710.8 23.8 71.4#

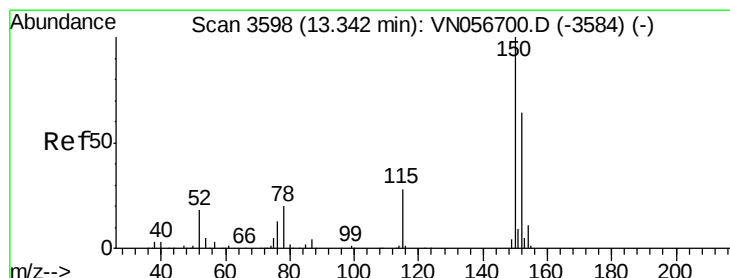
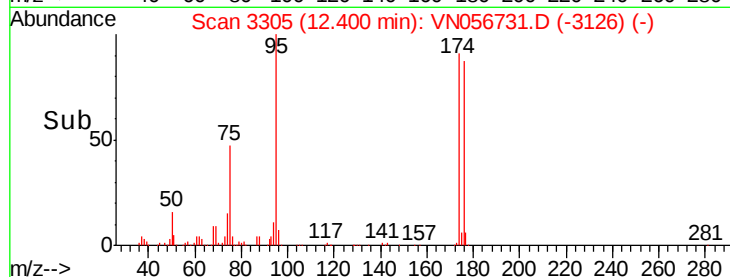
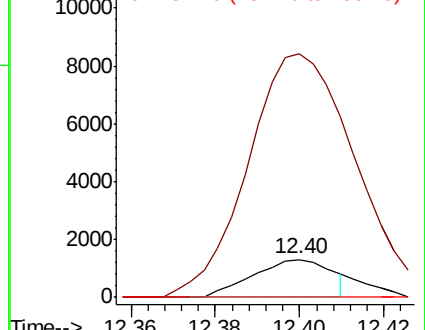
254 0.0 0.0 0.0



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: VN056731.D

Acq: 15 Jul 2019 23:24

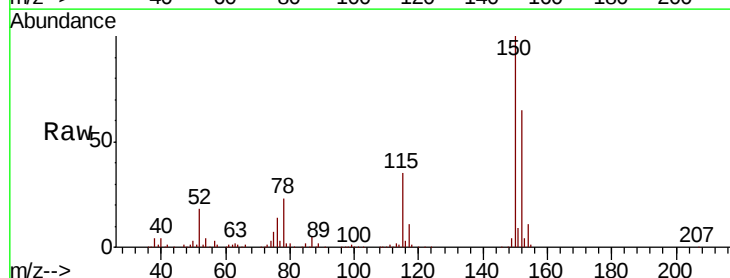
Tgt Ion:152 Resp: 206268

Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.7

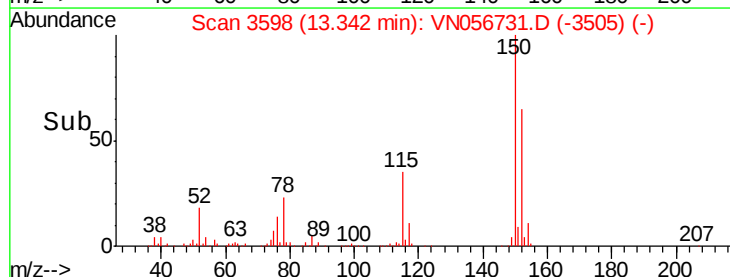
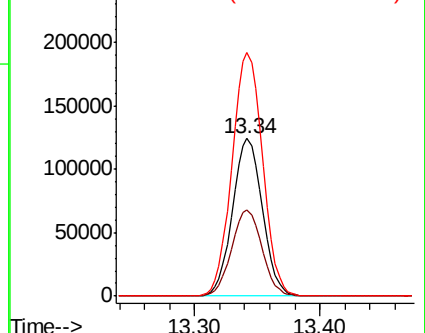
150 158.0 0.0 345.8

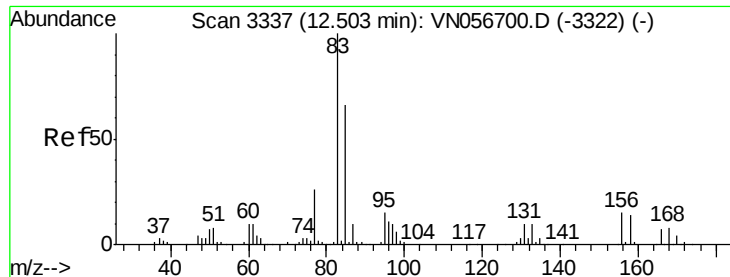


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN056731.D

Acq: 15 Jul 2019 23:24

Instrument :

MSVOA_N

ClientSampleId :

PB121354ZHE#01

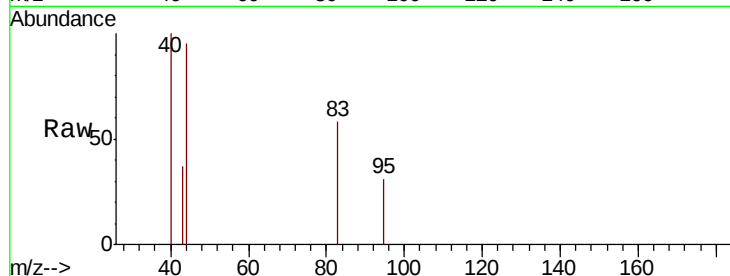
Tot Ion: 83 Resp: 367

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

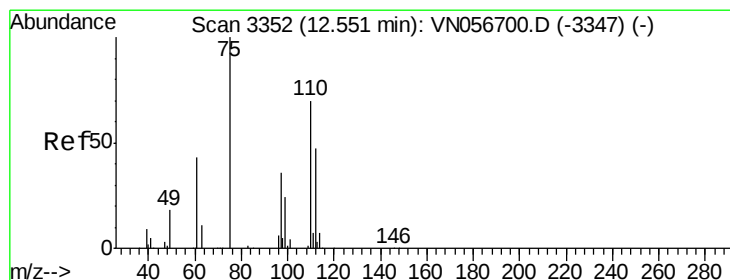
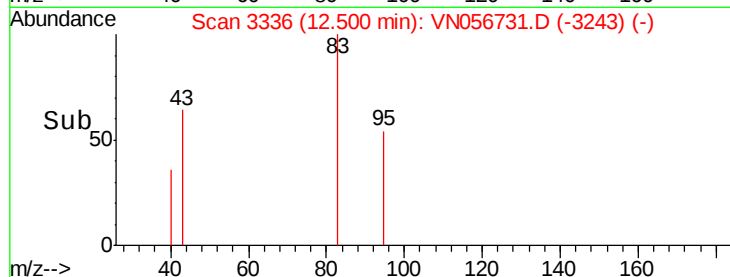
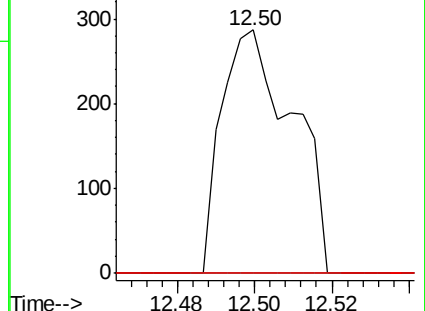
85 0.0 32.6 97.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 23.483 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056731.D

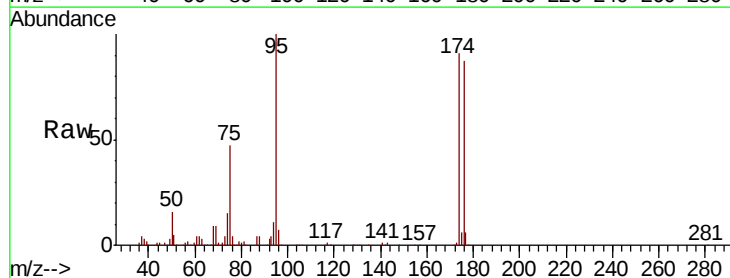
Acq: 15 Jul 2019 23:24

Tgt Ion: 75 Resp: 105940

Ion Ratio Lower Upper

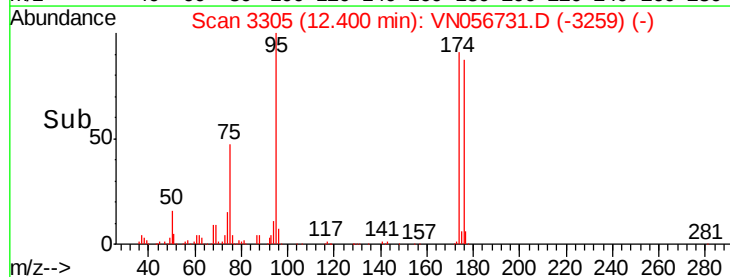
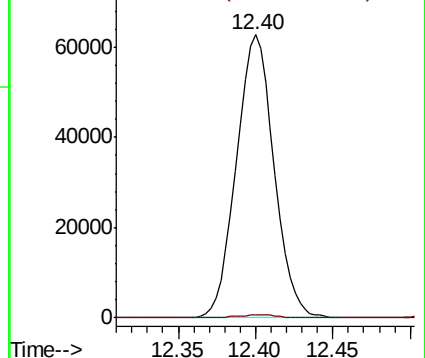
75 100

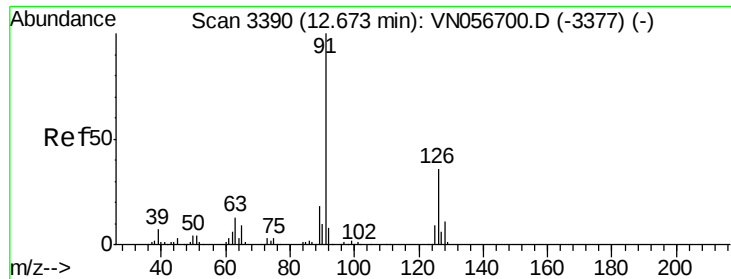
77 1.1 0.0 0.0#



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: 12.77 min Scan# 3421

Delta R.T. 0.10 min

Lab File: VN056731.D

Acq: 15 Jul 2019 23:24

Instrument :

MSVOA_N

ClientSampleId :

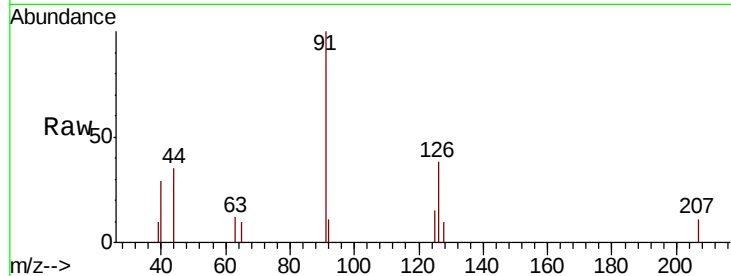
PB121354ZHE#01

Tot Ion: 91 Resp: 2726

Ion Ratio Lower Upper

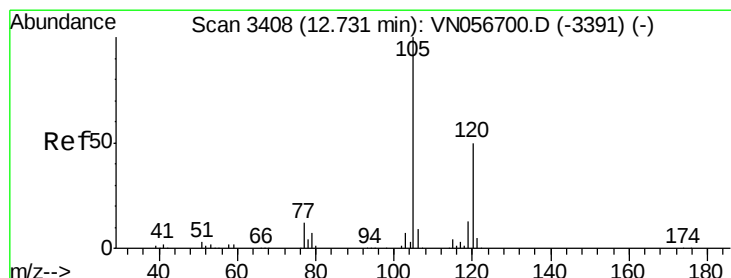
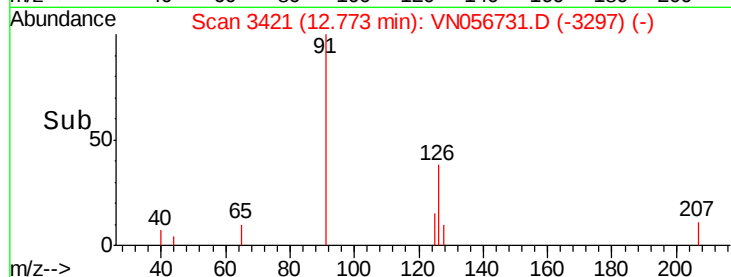
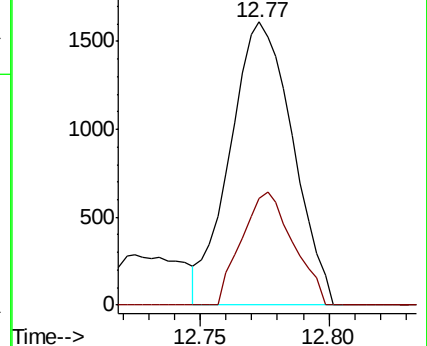
91 100

126 33.1 17.9 53.7



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: 0.372 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056731.D

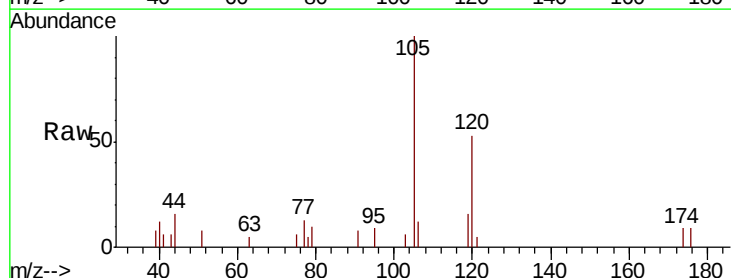
Acq: 15 Jul 2019 23:24

Tgt Ion:105 Resp: 5238

Ion Ratio Lower Upper

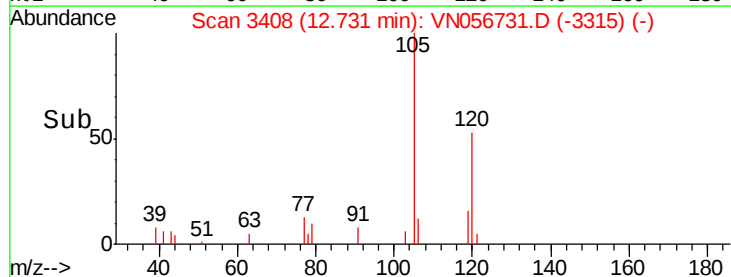
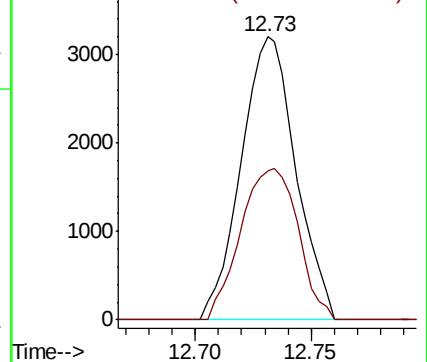
105 100

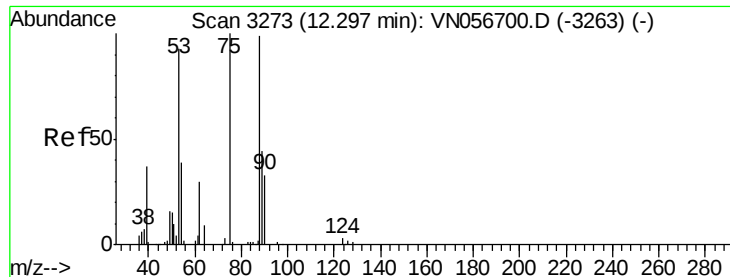
120 56.1 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 72.523 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056731.D

Acq: 15 Jul 2019 23:24

Instrument :

MSVOA_N

ClientSampleId :

PB121354ZHE#01

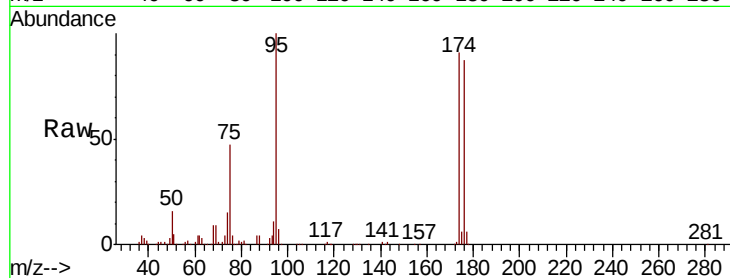
Tot Ion: 75 Resp: 105940

Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

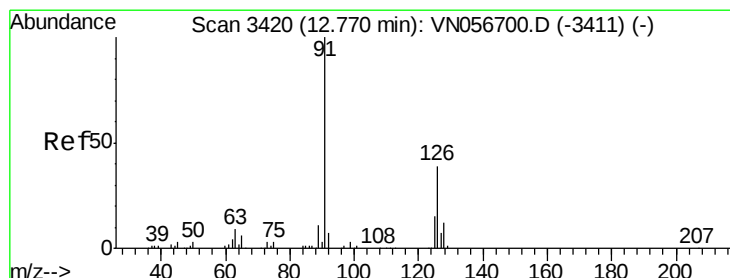
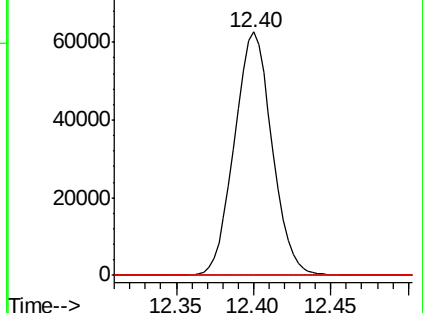
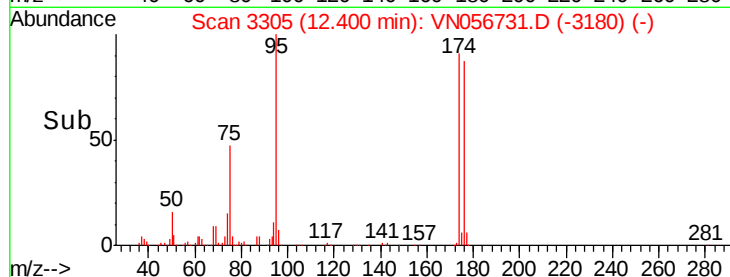
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.252 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056731.D

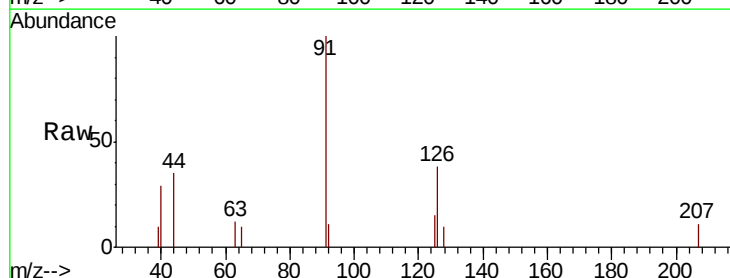
Acq: 15 Jul 2019 23:24

Tgt Ion: 91 Resp: 2726

Ion Ratio Lower Upper

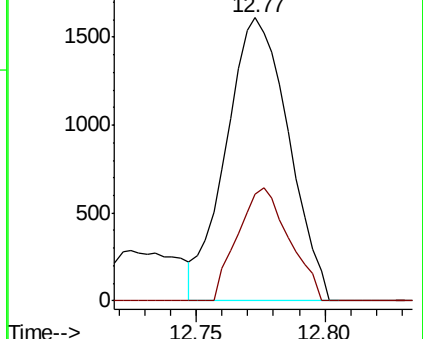
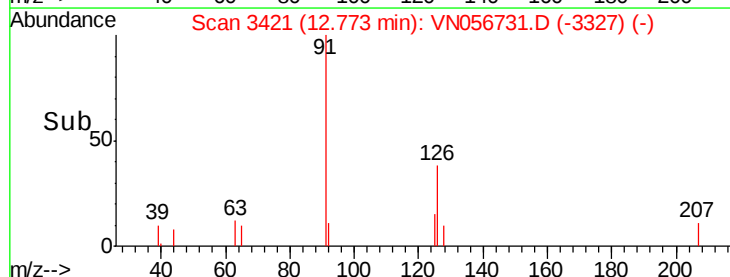
91 100

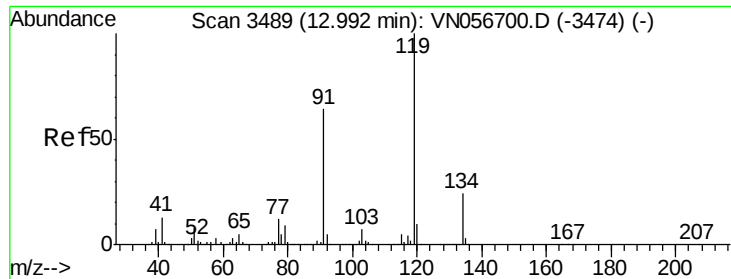
126 33.1 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

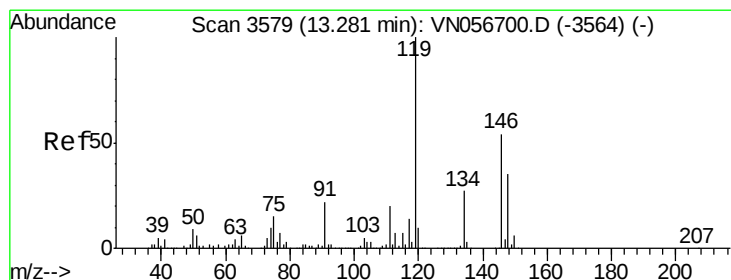
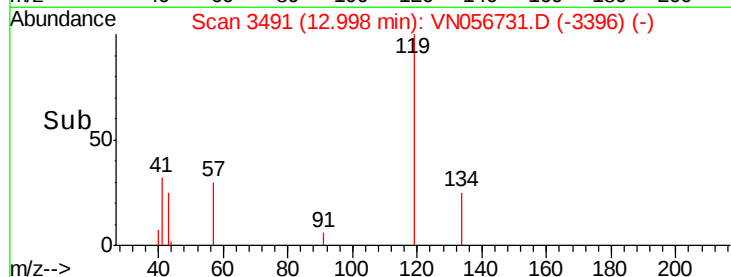
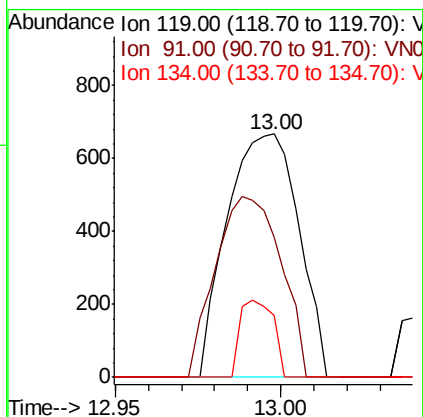
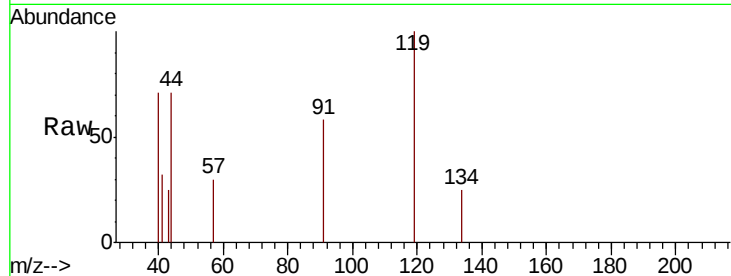




#83
tert-Butylbenzene
Concen: Below Cal
RT: 13.00 min Scan# 3491
Delta R.T. 0.01 min
Lab File: VN056731.D
Acq: 15 Jul 2019 23:24

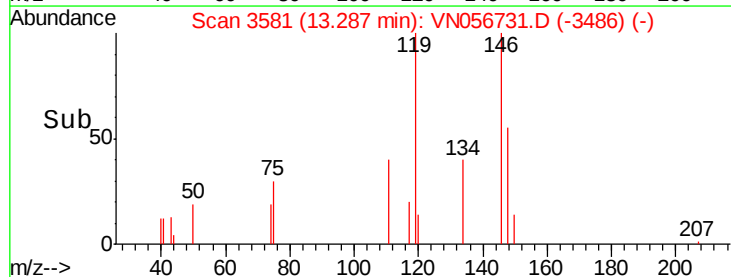
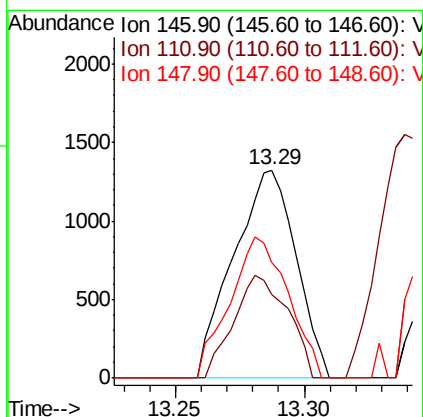
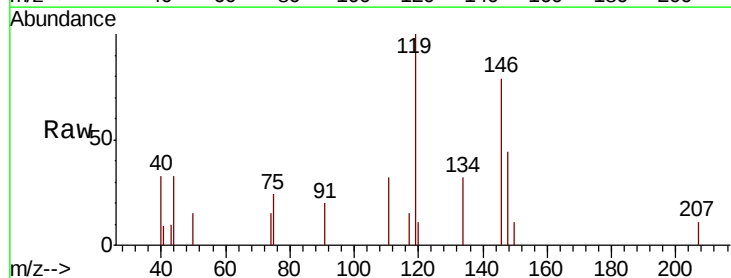
Instrument :
MSVOA_N
ClientSampleId :
PB121354ZHE#01

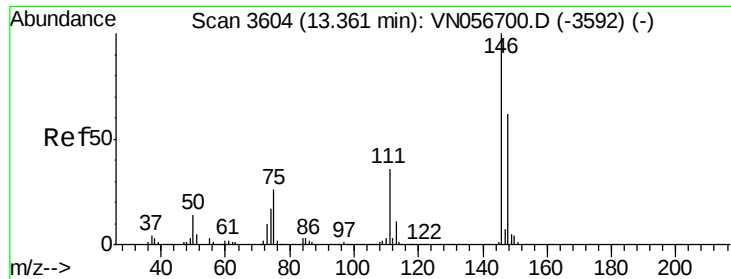
Tot Ion:119 Resp: 1003
Ion Ratio Lower Upper
119 100
91 67.7 31.8 95.4
134 14.8 13.0 38.9



#87
1,3-Dichlorobenzene
Concen: 0.313 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.01 min
Lab File: VN056731.D
Acq: 15 Jul 2019 23:24

Tgt Ion:146 Resp: 2234
Ion Ratio Lower Upper
146 100
111 42.8 18.8 56.3
148 63.2 32.3 96.8

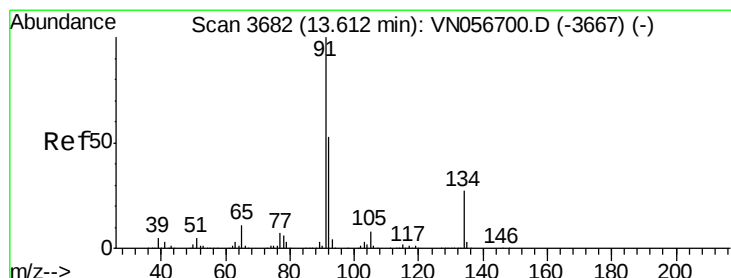
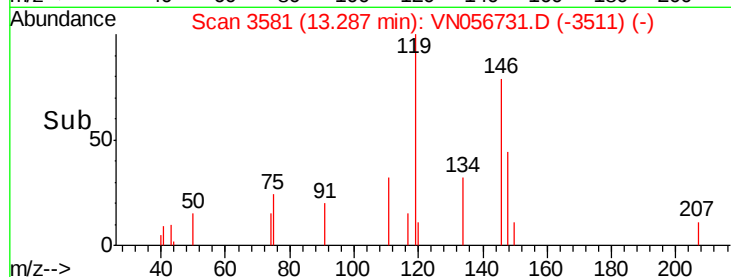
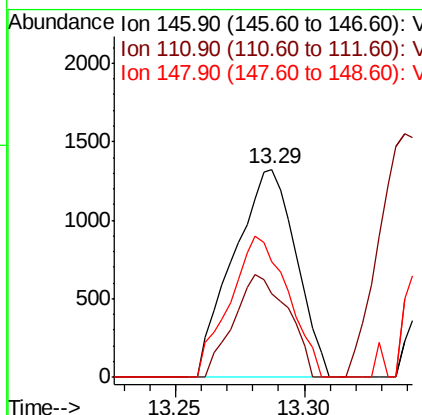
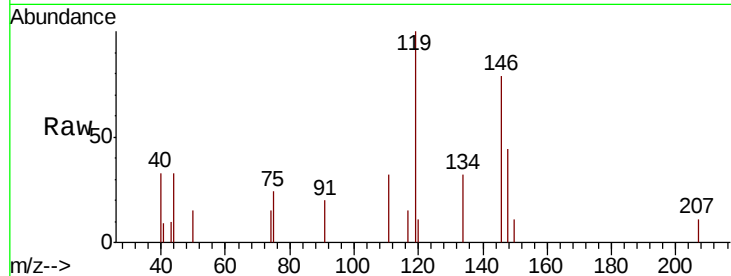




#88
 1,4-Dichlorobenzene
 Concen: 0.322 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.07 min
 Lab File: VN056731.D
 Acq: 15 Jul 2019 23:24

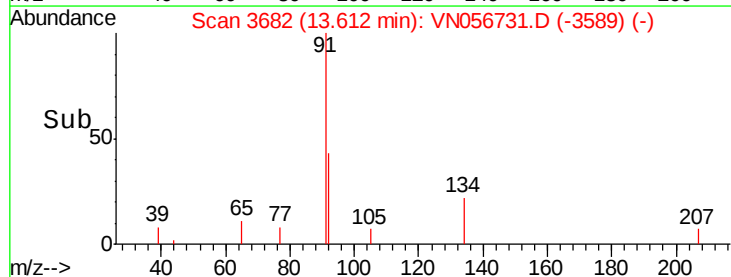
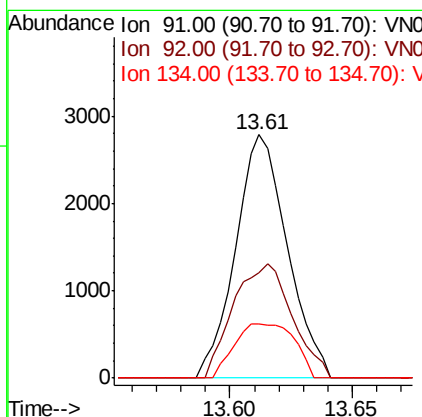
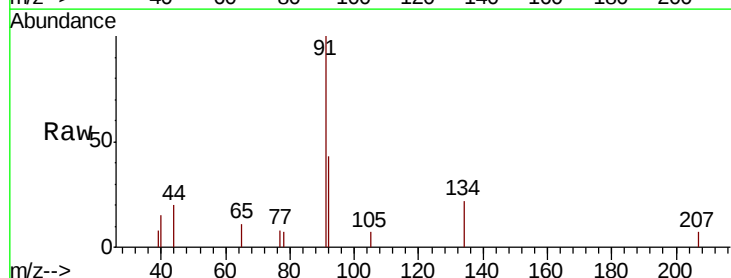
Instrument :
 MSVOA_N
 ClientSampleId :
 PB121354ZHE#01

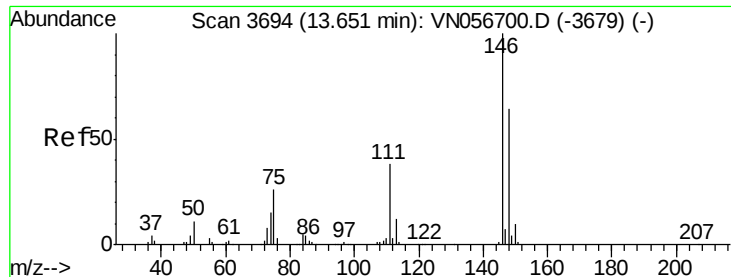
Tot Ion:146 Resp: 2234
 Ion Ratio Lower Upper
 146 100
 111 42.8 18.6 55.8
 148 63.2 31.9 95.7



#89
 n-Butylbenzene
 Concen: 0.358 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN056731.D
 Acq: 15 Jul 2019 23:24

Tgt Ion: 91 Resp: 4090
 Ion Ratio Lower Upper
 91 100
 92 53.5 26.0 78.0
 134 25.8 13.4 40.2





#91

1,2-Dichlorobenzene

Concen: 0.259 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056731.D

Acq: 15 Jul 2019 23:24

Instrument :

MSVOA_N

ClientSampleId :

PB121354ZHE#01

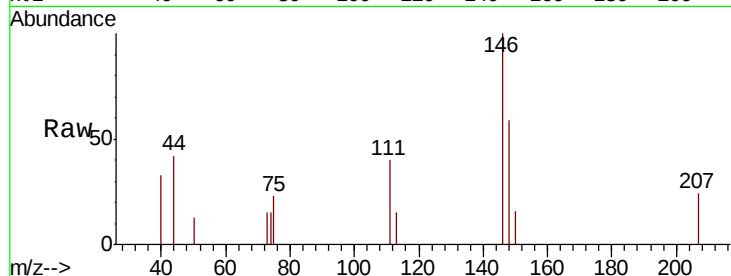
Tot Ion:146 Resp: 1886

Ion Ratio Lower Upper

146 100

111 46.3 19.1 57.1

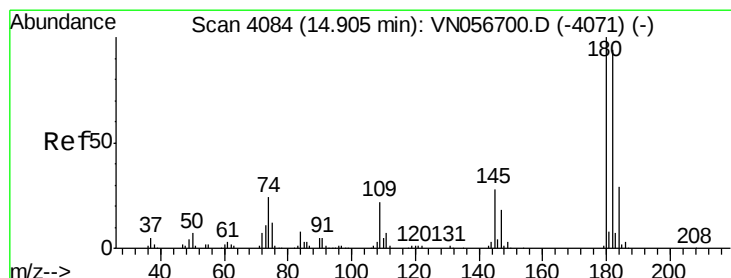
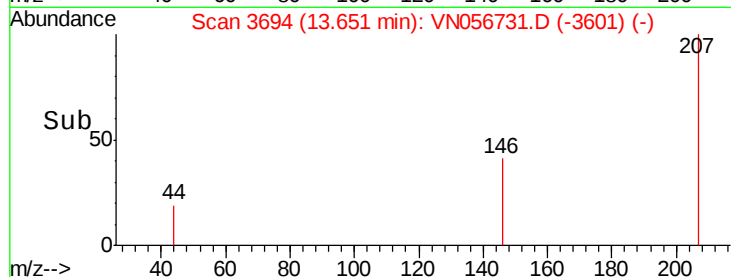
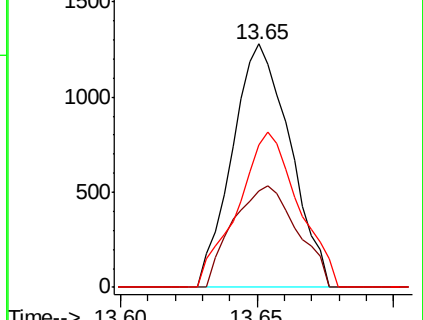
148 66.9 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 4.351 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056731.D

Acq: 15 Jul 2019 23:24

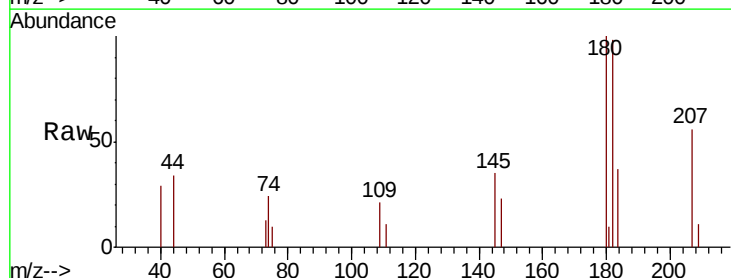
Tgt Ion:180 Resp: 2868

Ion Ratio Lower Upper

180 100

182 93.8 47.2 141.6

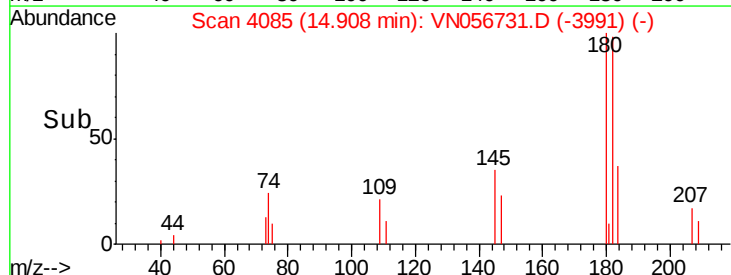
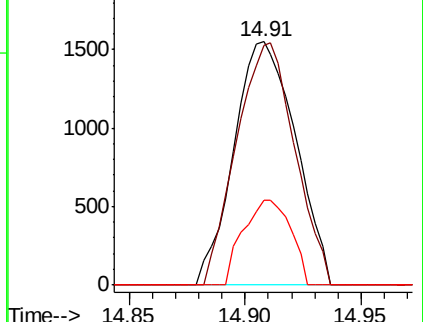
145 26.6 14.2 42.8

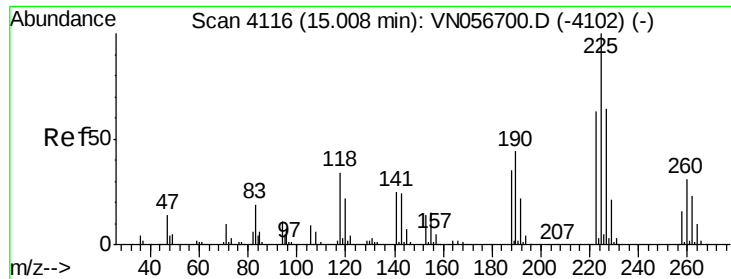


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056731.D

Acq: 15 Jul 2019 23:24

Instrument :

MSVOA_N

ClientSampleId :

PB121354ZHE#01

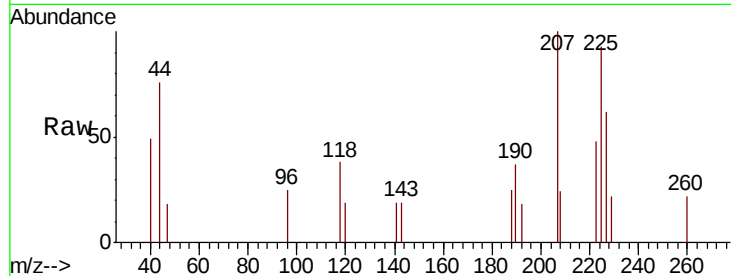
Tot Ion:225 Resp: 1056

Ion Ratio Lower Upper

225 100

223 55.5 31.5 94.5

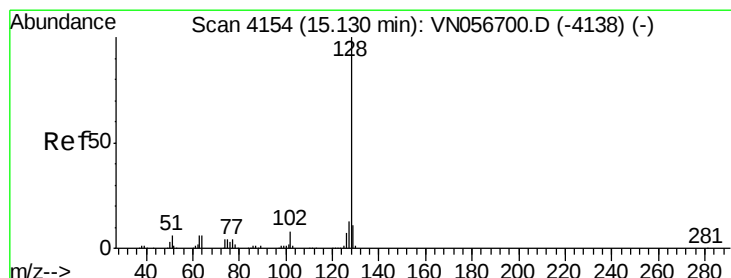
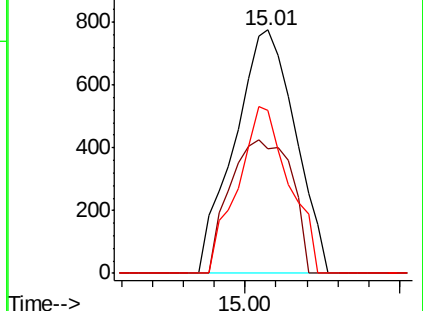
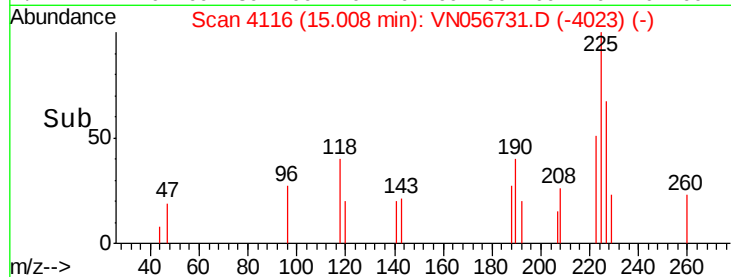
227 58.2 32.0 96.2



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



#95

Naphthalene

Concen: 5.308 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056731.D

Acq: 15 Jul 2019 23:24

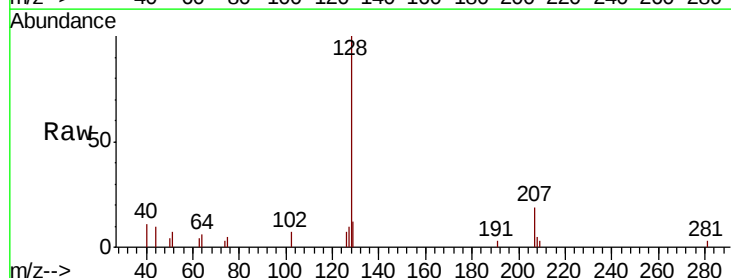
Tgt Ion:128 Resp: 9510

Ion Ratio Lower Upper

128 100

127 10.9 10.3 15.5

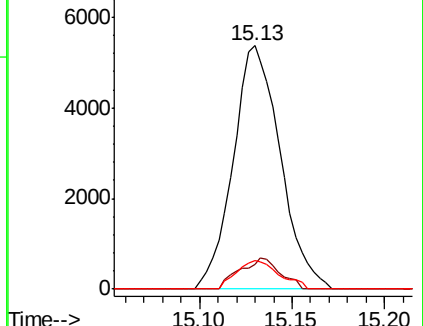
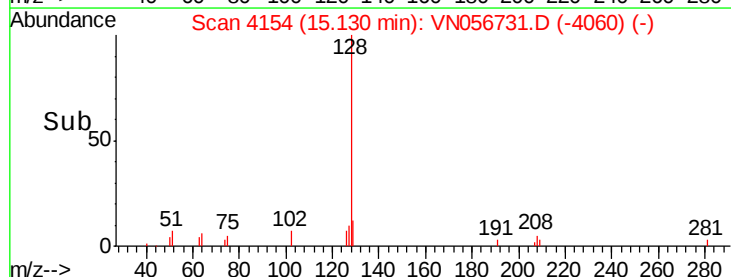
129 10.5 8.7 13.1

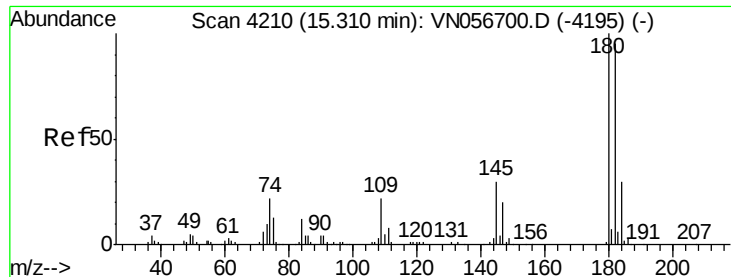


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 4.185 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056731.D
 Acq: 15 Jul 2019 23:24

Instrument :
 MSVOA_N
 ClientSampleId :
 PB121354ZHE#01

Tot Ion:180 Resp: 3692
 Ion Ratio Lower Upper
 180 100
 182 97.8 47.1 141.3
 145 26.5 15.0 45.1

