

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062119\
 Data File : VN056429.D
 Acq On : 21 Jun 2019 16:26
 Operator : JC/SP
 Sample : PB120805ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB120805ZHE#02

Quant Time: Jun 22 01:47:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	406012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	687606	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	684268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	213670	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	226596	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
35) Dibromofluoromethane	7.59	113	198005	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	
50) Toluene-d8	10.09	98	852891	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.40	95	287328	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	

Target Compounds						Qvalue
11) Tert butyl alcohol	4.80	59	1260	1.663	ug/l #	74
16) Acetone	3.82	43	20016	8.878	ug/l	97
18) Methyl Acetate	4.34	43	5439	0.370	ug/l #	86
20) Methylene Chloride	4.55	84	12463	2.079	ug/l	98
25) 2-Butanone	6.85	43	1418	0.475	ug/l	94
29) Tetrahydrofuran	7.23	42	1493	0.819	ug/l #	83
31) Cyclohexane	7.67	56	6945	0.999	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	26297	4.345	ug/l #	43
38) Carbon Tetrachloride	7.67	117	35119	6.636	ug/l #	14
41) Methacrylonitrile	7.22	41	646	0.246	ug/l #	12
43) Isopropyl Acetate	8.17	43	18537	2.021	ug/l #	91
45) 1,2-Dichloropropane	9.27	63	1697	0.341	ug/l #	43
48) Methyl methacrylate	9.18	41	10244	2.229	ug/l #	21
51) 4-Methyl-2-Pentanone	9.98	43	5846	0.988	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	64	2.901	ug/l #	1
54) cis-1,3-Dichloropropene	9.90	75	50678	7.618	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	8517	1.108	ug/l #	42
59) 2-Hexanone	10.76	43	120944	27.799	ug/l #	53
60) Dibromochloromethane	10.63	129	339	2.450	ug/l #	10
71) Bromoform	12.40	173	2097	3.667	ug/l #	1
73) Isopropylbenzene	12.25	105	1090	Below Cal		96
74) N-amyl acetate	12.05	43	3297	0.485	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.56	83	339	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	133172	30.058	ug/l #	100
79) 2-Chlorotoluene	12.67	91	954	Below Cal		87
80) 1,3,5-Trimethylbenzene	12.73	105	2603	Below Cal		99
81) trans-1,4-Dichloro-2-buten	12.40	75	133172	106.831	ug/l #	8
83) tert-Butylbenzene	12.99	119	1009	Below Cal		89
89) n-Butylbenzene	13.61	91	2347	0.210	ug/l	90
93) 1,2,4-Trichlorobenzene	14.91	180	1307	5.924	ug/l	91
94) Hexachlorobutadiene	15.01	225	542	Below Cal		85
95) Naphthalene	15.13	128	5179	5.719	ug/l	96
96) 1,2,3-Trichlorobenzene	15.32	180	1951	4.940	ug/l	94

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QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration

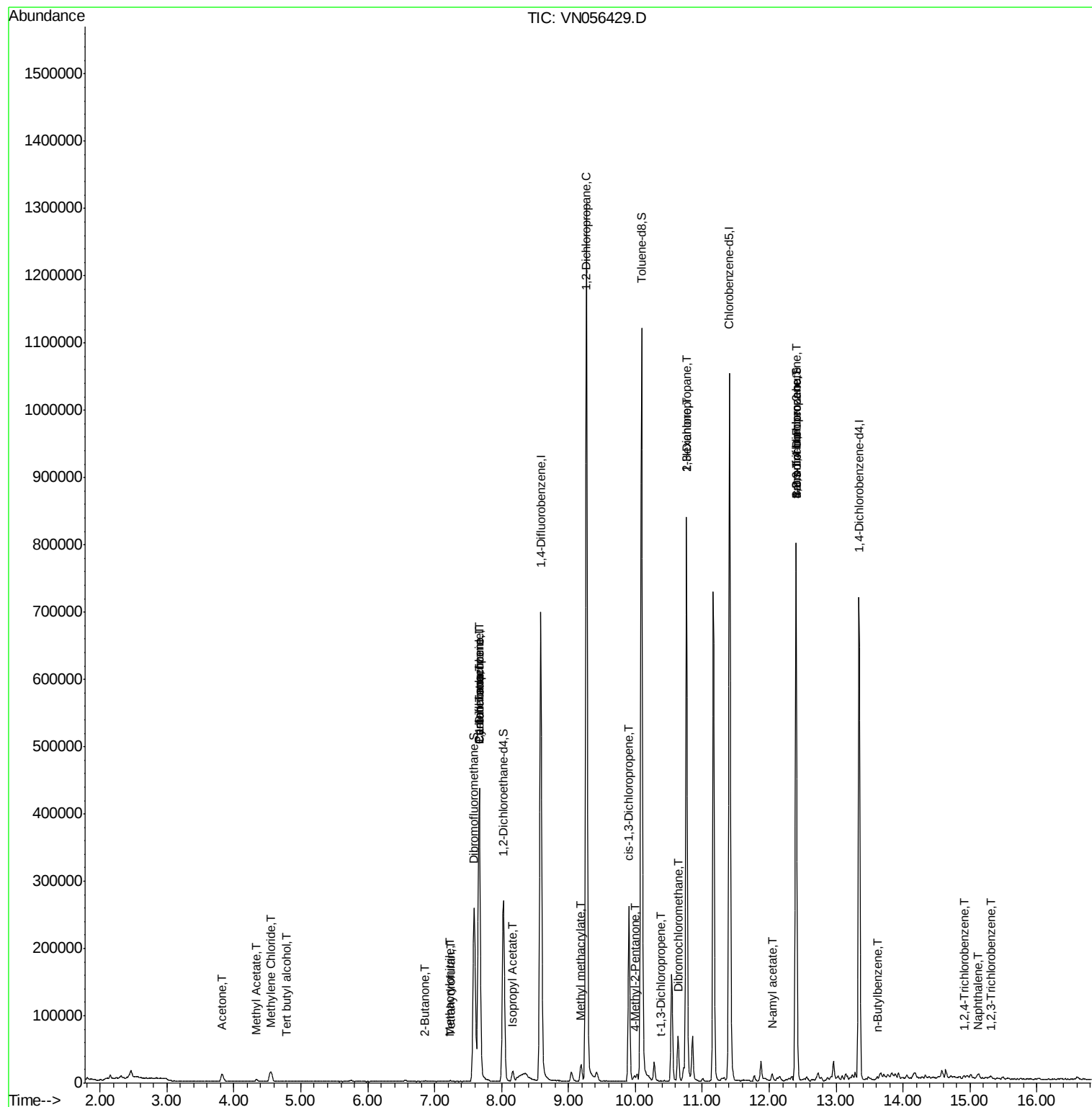
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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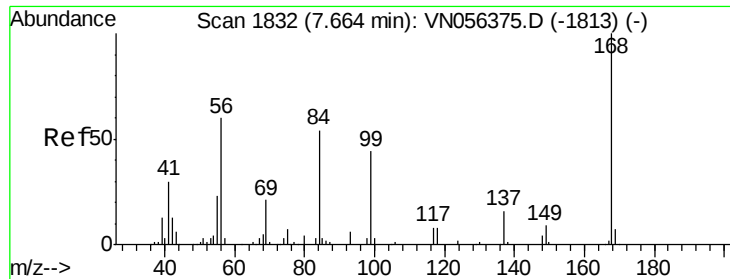
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062119\
Data File : VN056429.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

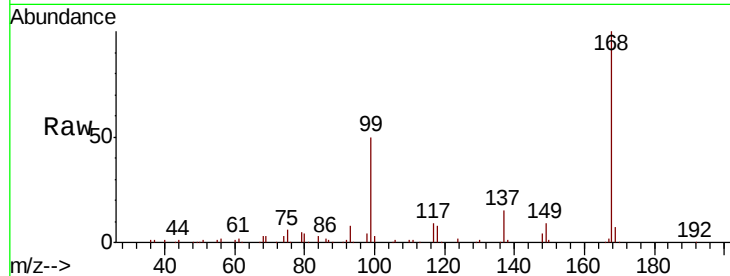
PB120805ZHE#02

Tot Ion:168 Resp: 406012

Ion Ratio Lower Upper

168 100

99 49.8 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

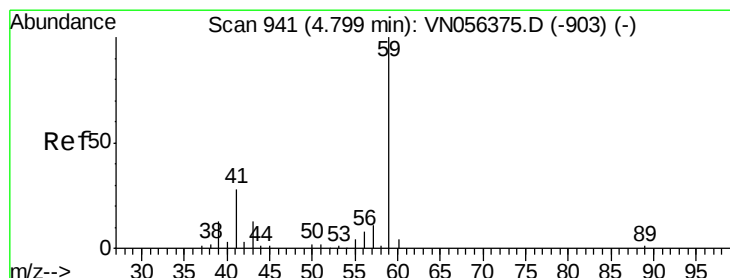
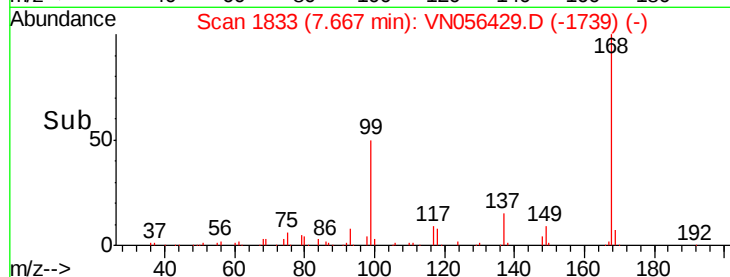
100000

50000

0

Time-->

7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 1.663 ug/l

RT: 4.80 min Scan# 942

Delta R.T. 0.00 min

Lab File: VN056429.D

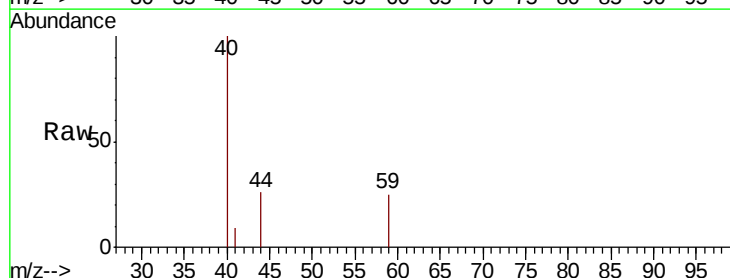
Acq: 21 Jun 2019 16:26

Tgt Ion: 59 Resp: 1260

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.80

500

400

300

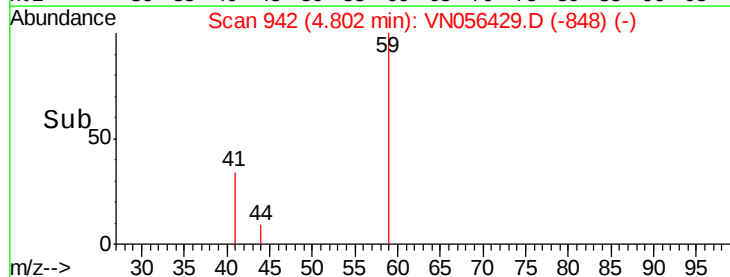
200

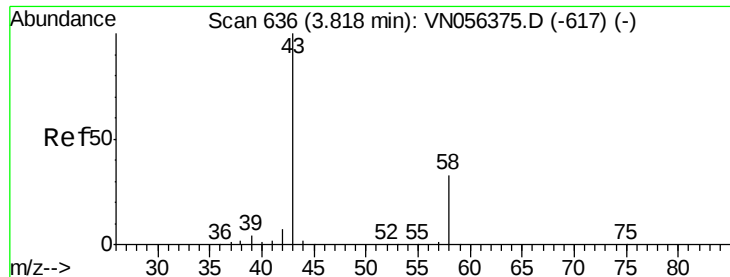
100

0

Time-->

4.75 4.80 4.85





#16

Acetone

Concen: 8.878 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

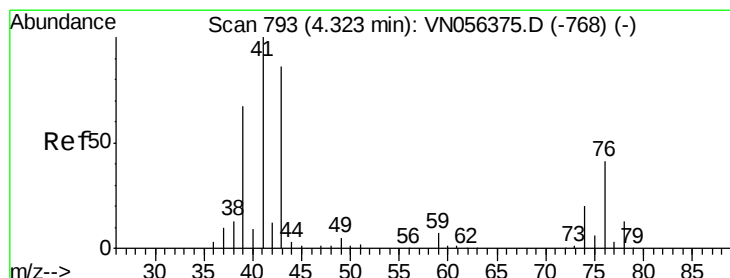
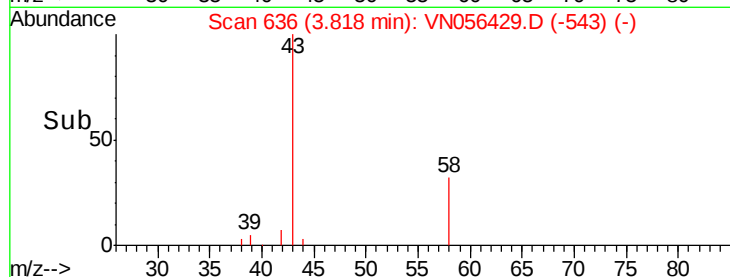
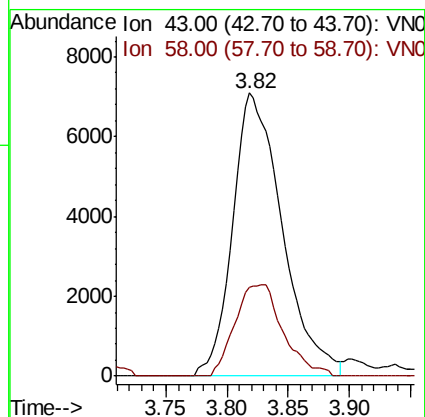
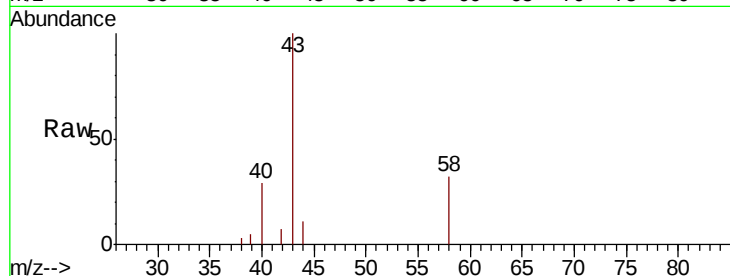
PB120805ZHE#02

Tot Ion: 43 Resp: 20016

Ion Ratio Lower Upper

43 100

58 31.5 26.4 39.6



#18

Methyl Acetate

Concen: 0.370 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN056429.D

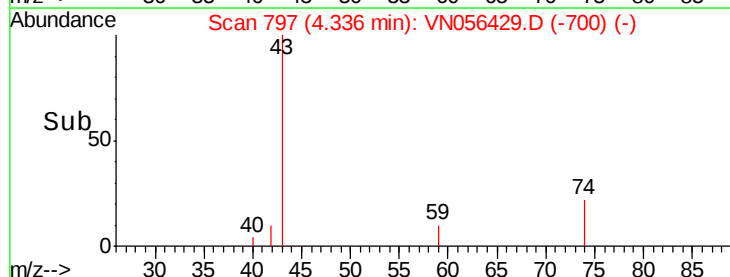
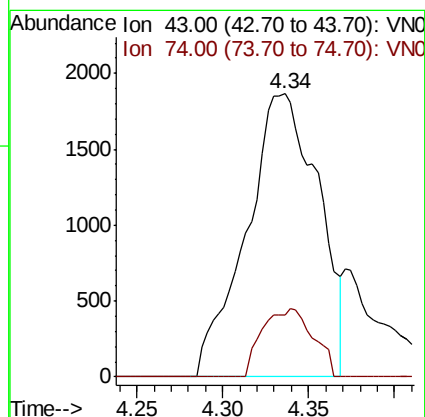
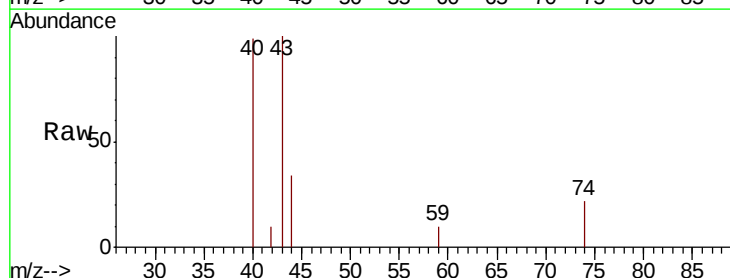
Acq: 21 Jun 2019 16:26

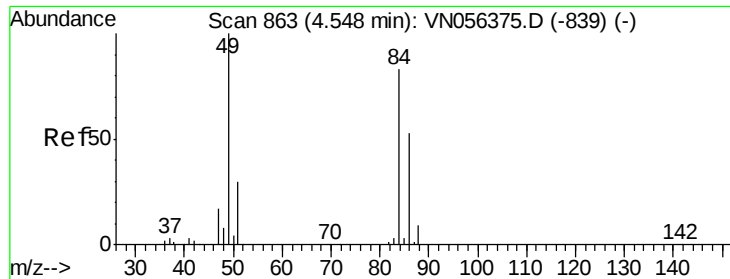
Tgt Ion: 43 Resp: 5439

Ion Ratio Lower Upper

43 100

74 17.0 19.2 28.8#

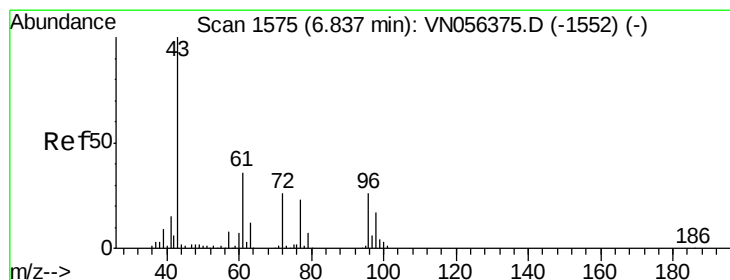
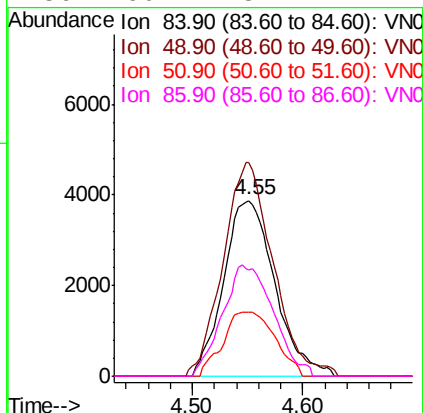
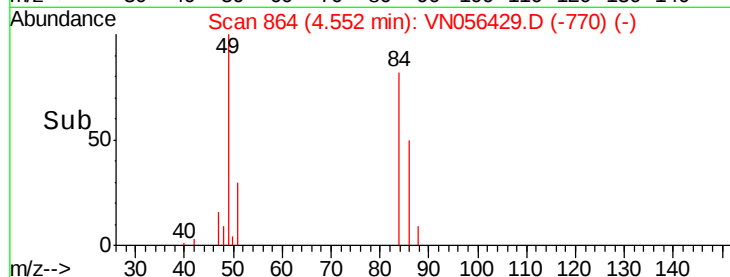
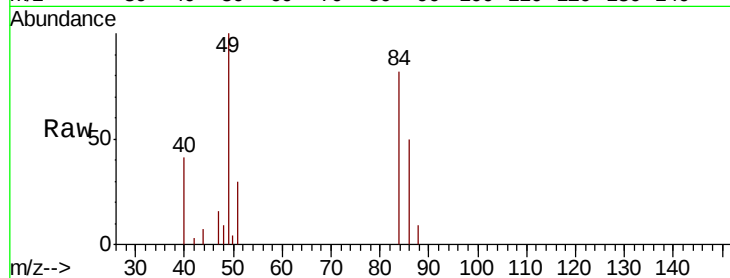




#20
Methvlene Chloride
Concen: 2.079 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056429.D
Acq: 21 Jun 2019 16:26

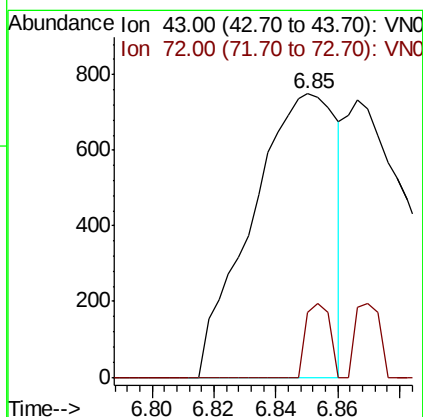
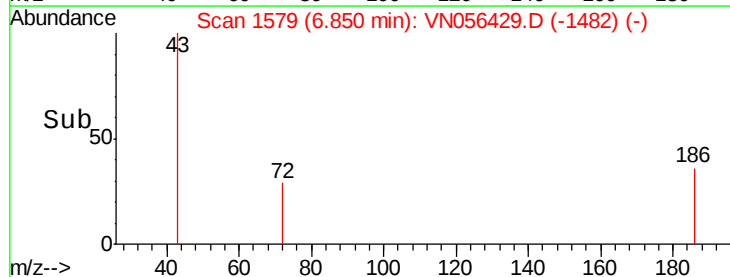
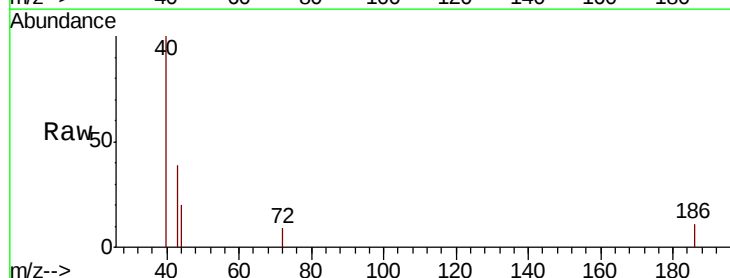
Instrument :
MSVOA_N
ClientSampleId :
PB120805ZHE#02

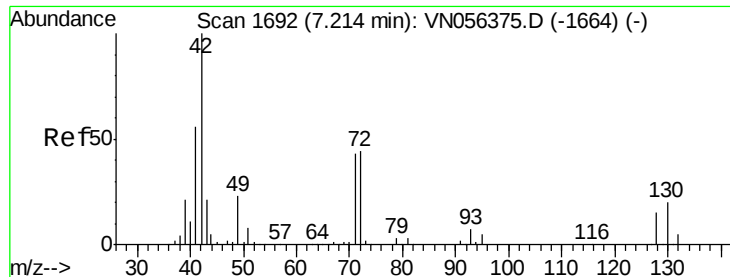
Tot Ion:	84	Resp:	12463
Ion	Ratio	Lower	Upper
84	100		
49	121.6	96.4	144.6
51	36.8	28.6	43.0
86	60.7	51.4	77.2



#25
2-Butanone
Concen: 0.475 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN056429.D
Acq: 21 Jun 2019 16:26

Tgt Ion:	43	Resp:	1418
Ion	Ratio	Lower	Upper
43	100		
72	23.0	20.6	31.0





#29

Tetrahydrofuran

Concen: 0.819 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

PB120805ZHE#02

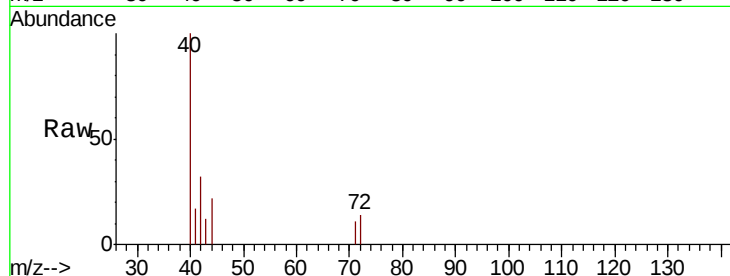
Tot Ion: 42 Resp: 1493

Ion Ratio Lower Upper

42 100

72 31.8 34.7 52.1#

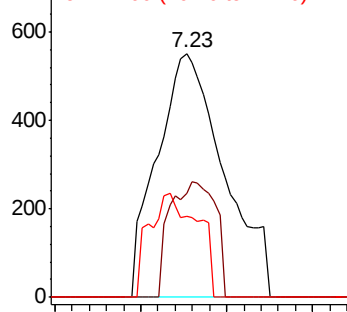
71 30.8 33.0 49.6#



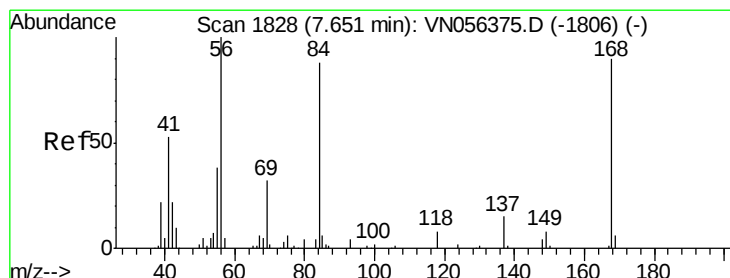
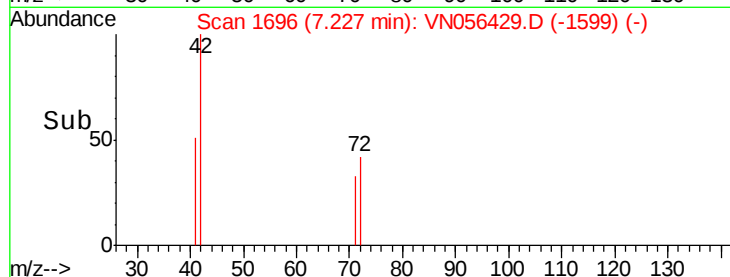
Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time--> 7.15 7.20 7.25 7.30



#31

Cyclohexane

Concen: 0.999 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

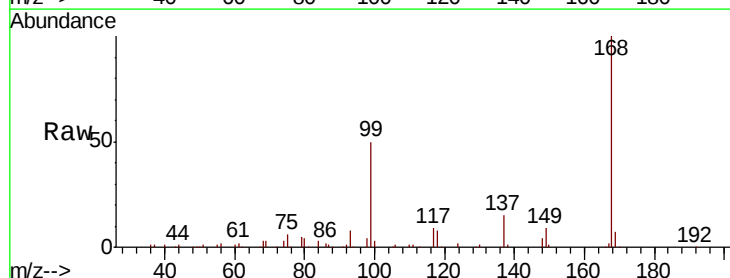
Tgt Ion: 56 Resp: 6945

Ion Ratio Lower Upper

56 100

69 176.3 25.8 38.6#

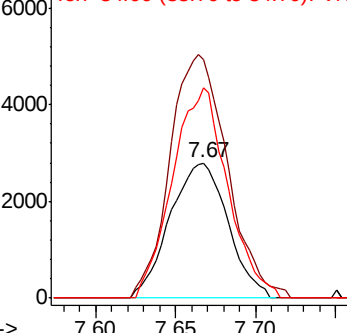
84 156.0 69.4 104.0#



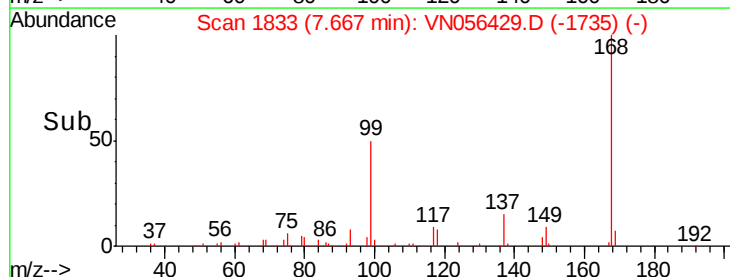
Abundance Ion 56.00 (55.70 to 56.70): VN0

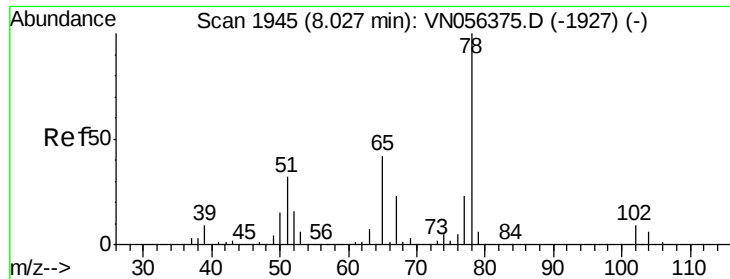
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Time--> 7.60 7.65 7.70

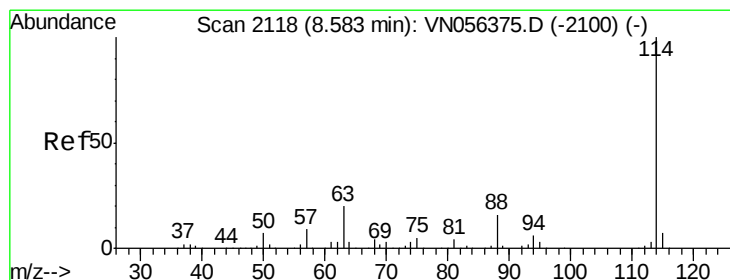
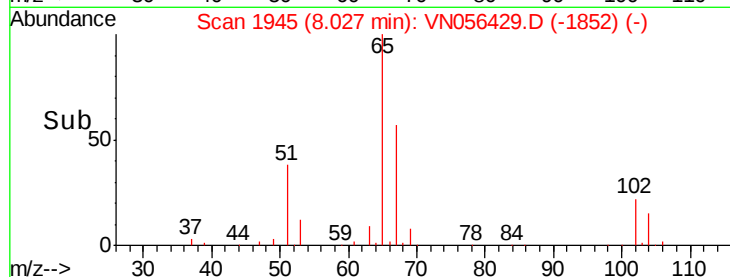
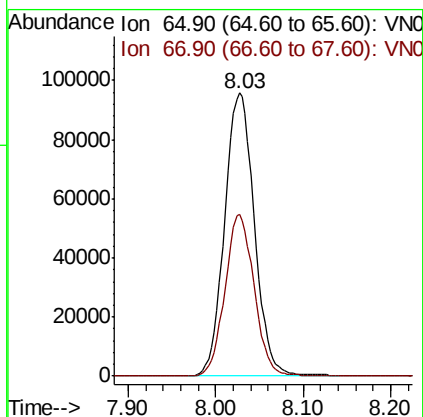
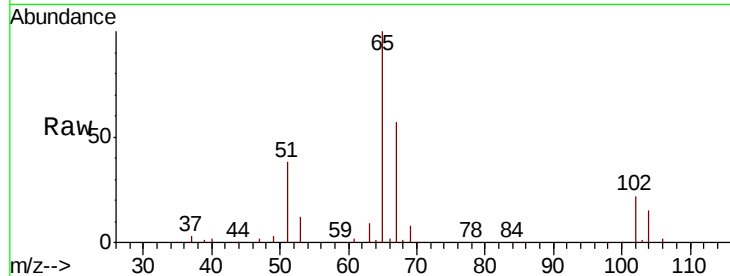




#33
 1,2-Dichloroethane-d4
 Concen: 50.356 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056429.D
 Acq: 21 Jun 2019 16:26

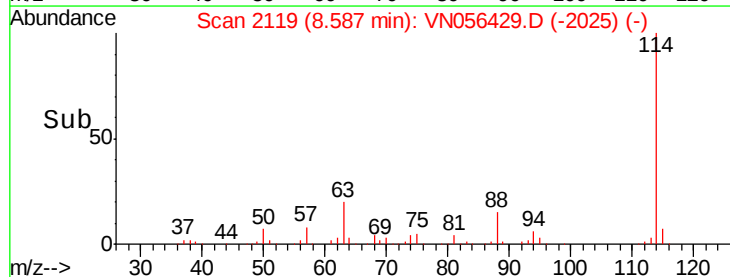
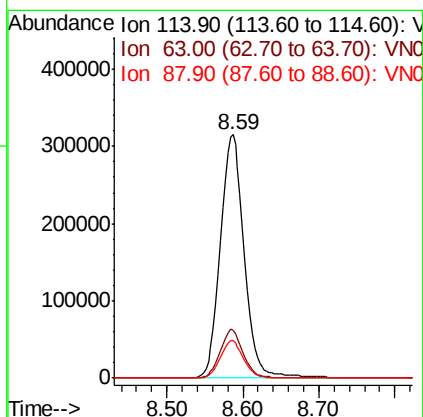
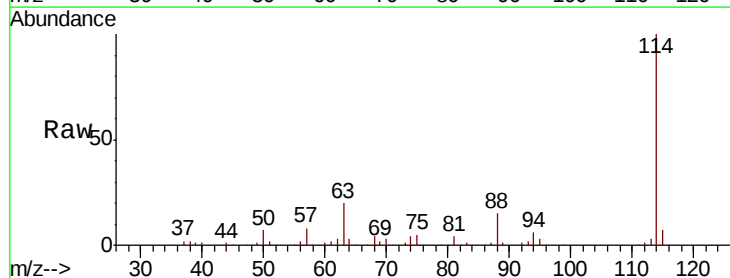
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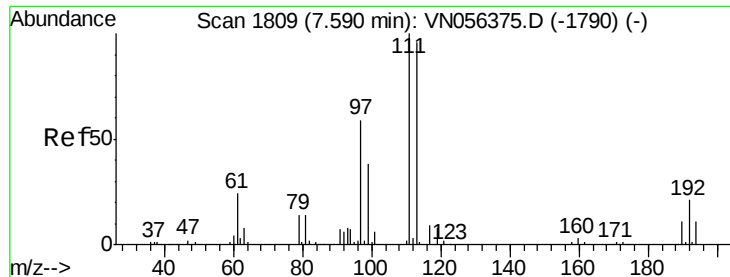
Tot Ion: 65 Resp: 226596
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056429.D
 Acq: 21 Jun 2019 16:26

Tgt Ion: 114 Resp: 687606
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.2
 88 15.2 0.0 31.4

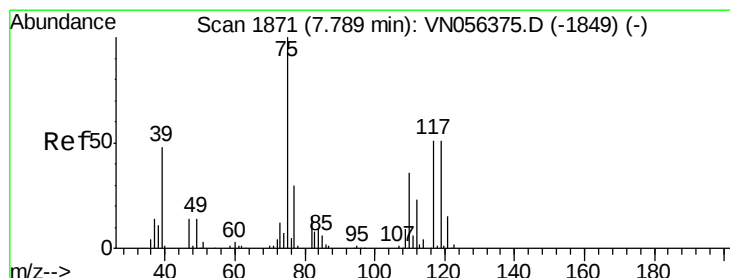
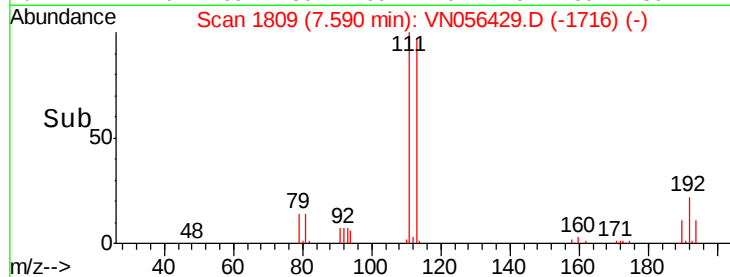
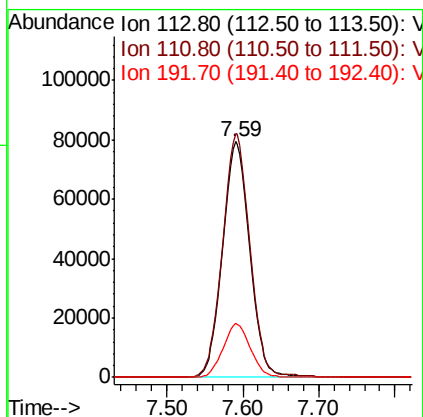
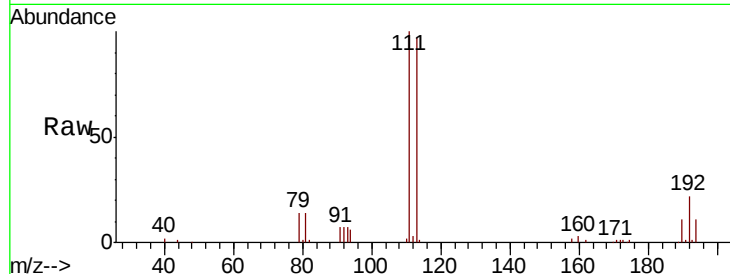




#35
 Dibromofluoromethane
 Concen: 46.160 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056429.D
 Acq: 21 Jun 2019 16:26

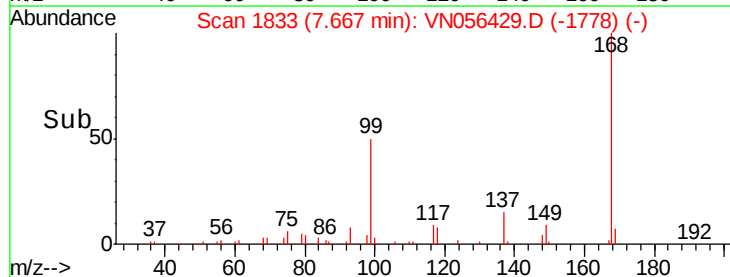
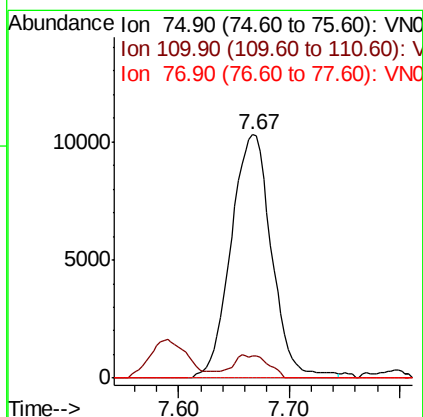
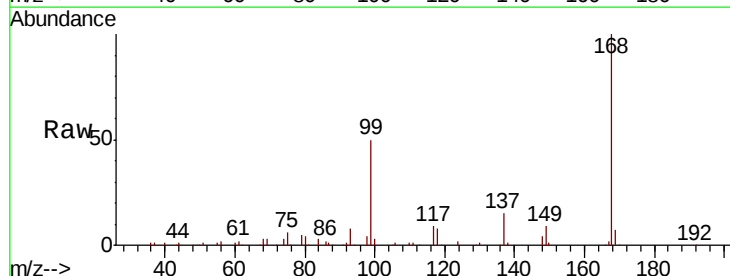
Instrument :
 MSVOA_N
 ClientSampleId :
 PB120805ZHE#02

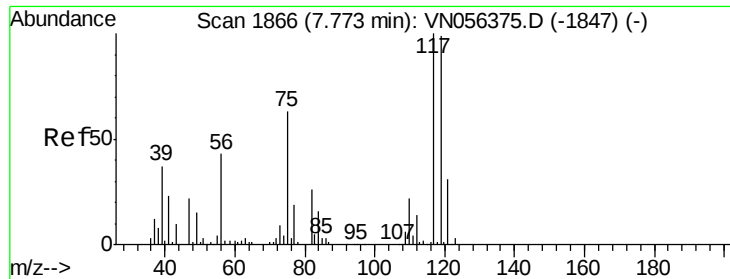
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.9	124.3
192	22.7	17.7	26.5



#36
 1,1-Dichloropropene
 Concen: 4.345 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN056429.D
 Acq: 21 Jun 2019 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	2.4	18.1	54.3#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.636 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

PB120805ZHE#02

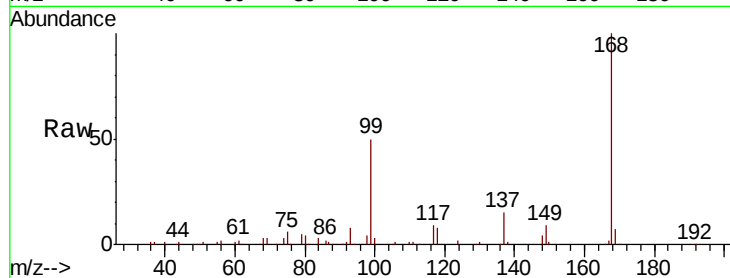
Tot Ion:117 Resp: 35119

Ion Ratio Lower Upper

117 100

119 4.7 79.1 118.7#

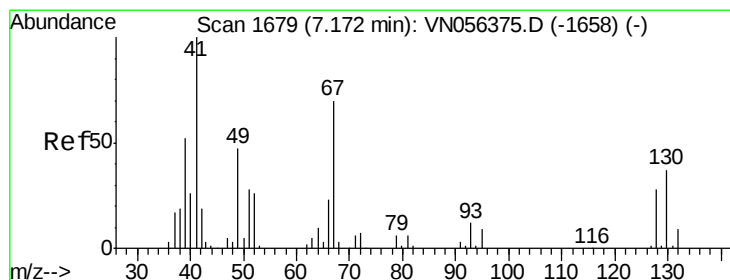
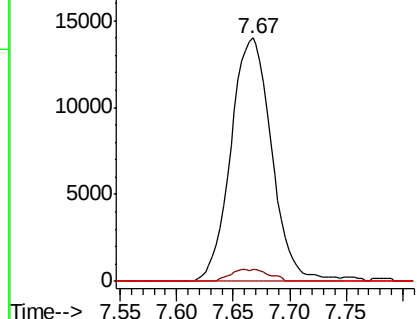
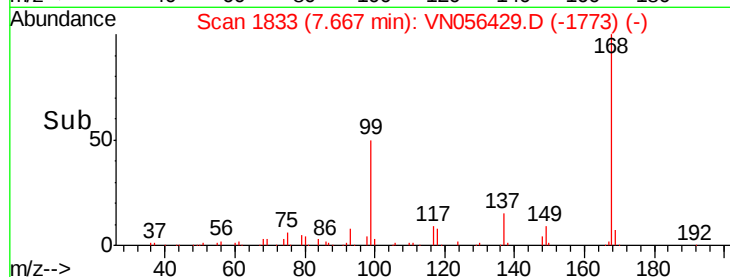
121 0.0 24.8 37.2#



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



#41

Methacrylonitrile

Concen: 0.246 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.05 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

Tgt Ion: 41 Resp: 646

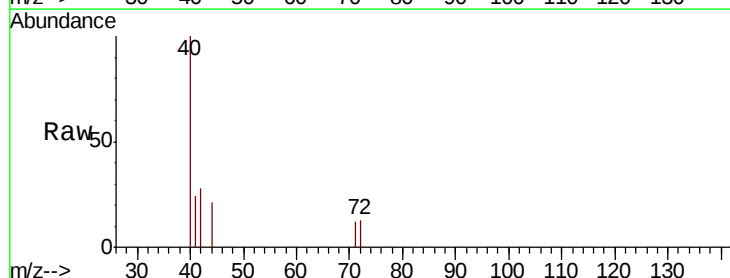
Ion Ratio Lower Upper

41 100

39 0.0 55.3 82.9#

67 0.0 79.2 118.8#

52 0.0 31.4 47.0#

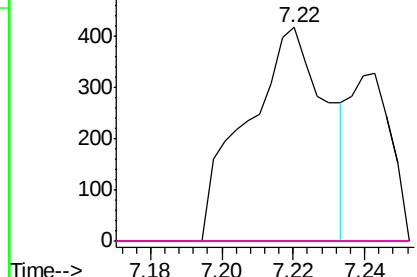
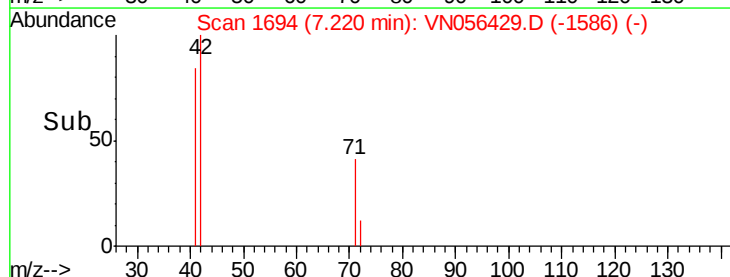


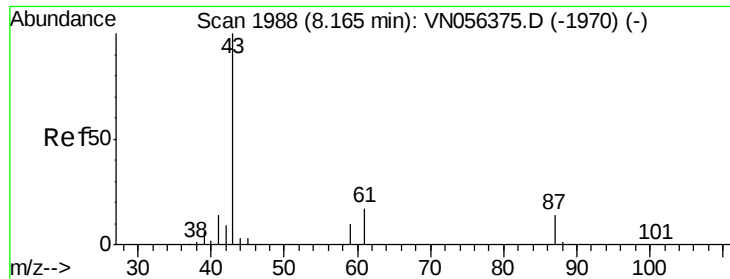
Abundance Ion 41.00 (40.70 to 41.70): VNO

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: 2.021 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

PB120805ZHE#02

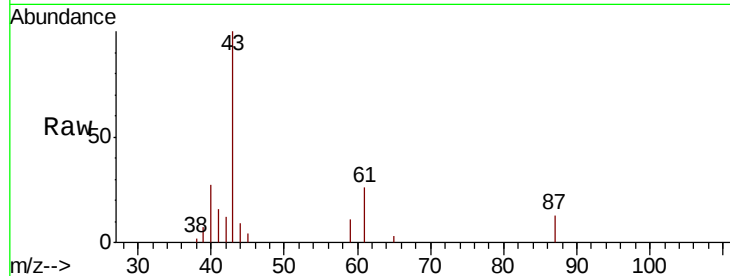
Tot Ion: 43 Resp: 18537

Ion Ratio Lower Upper

43 100

61 20.6 22.0 33.0#

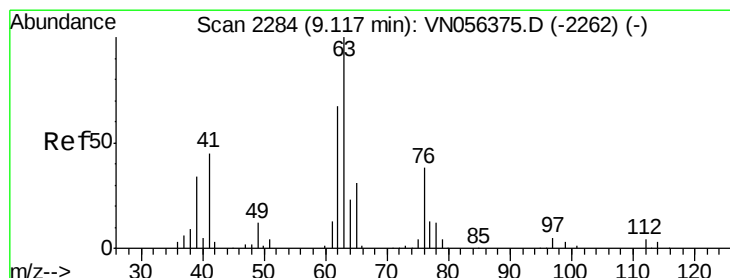
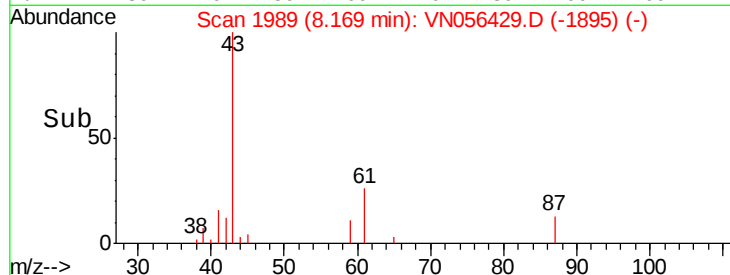
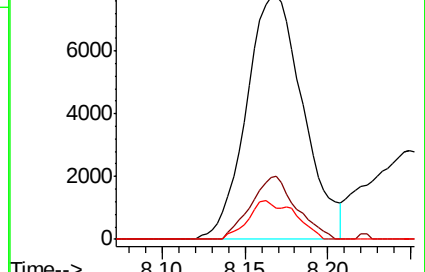
87 13.1 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056375.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056375.D (-1970) (-)



#45

1,2-Dichloropropane

Concen: 0.341 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN056429.D

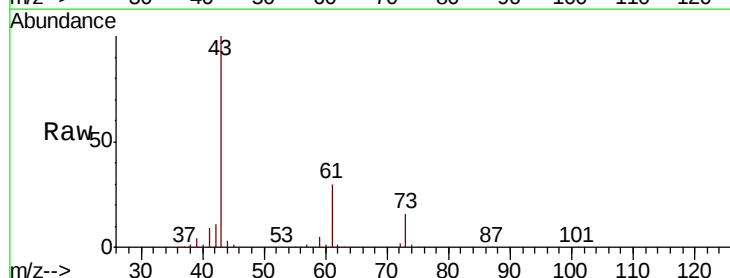
Acq: 21 Jun 2019 16:26

Tgt Ion: 63 Resp: 1697

Ion Ratio Lower Upper

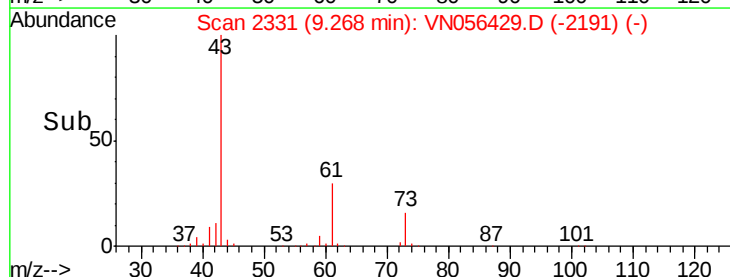
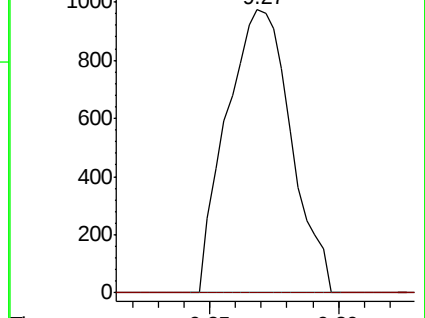
63 100

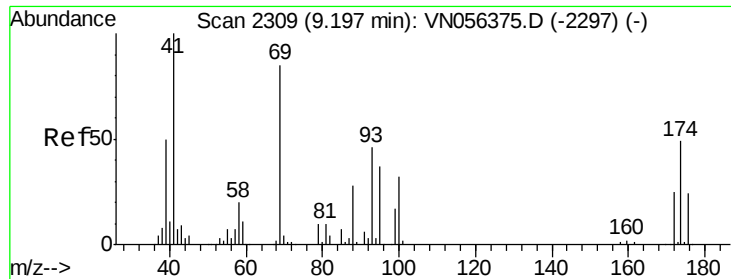
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN056375.D (-2262) (-)

Ion 64.90 (64.60 to 65.60): VN056375.D (-2262) (-)

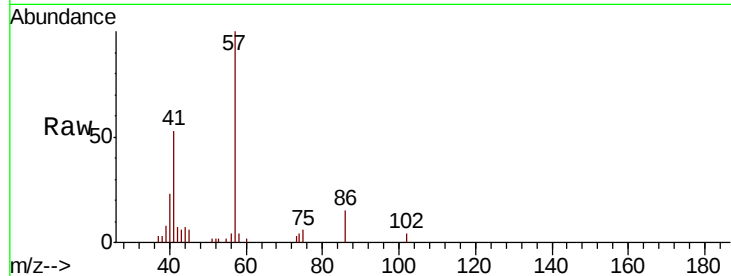




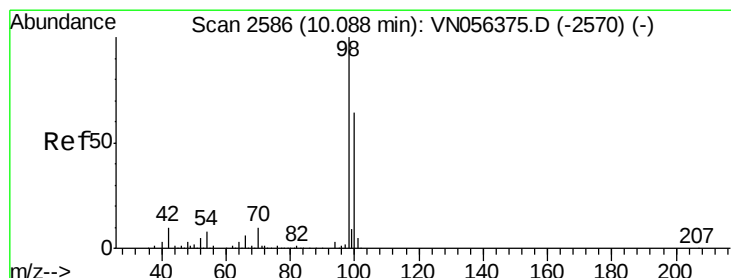
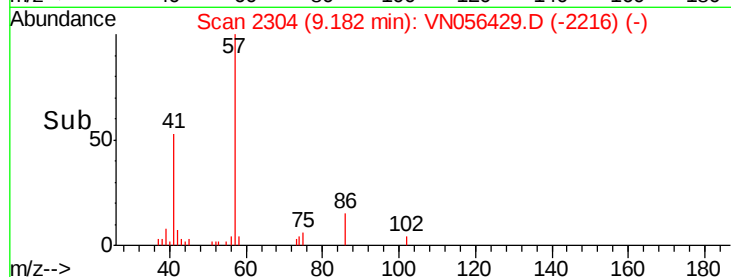
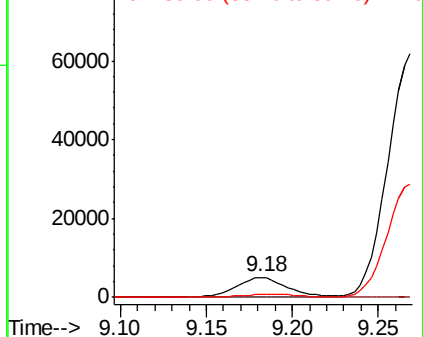
#48
Methvl methacrylate
Concen: 2.229 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN056429.D
Acq: 21 Jun 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
PB120805ZHE#02

Tot Ion: 41 Resp: 10244
Ion Ratio Lower Upper
41 100
69 0.0 72.6 109.0#
39 18.0 42.6 63.8#

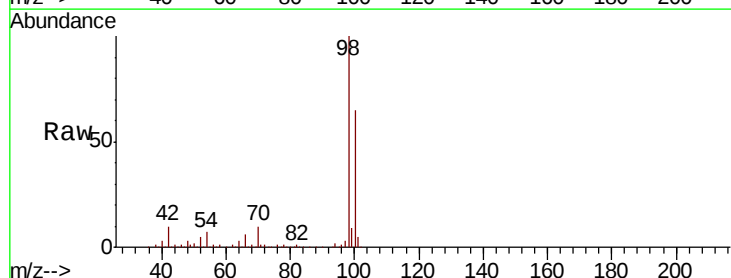


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

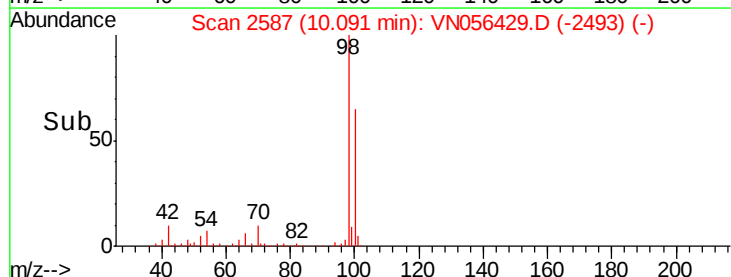
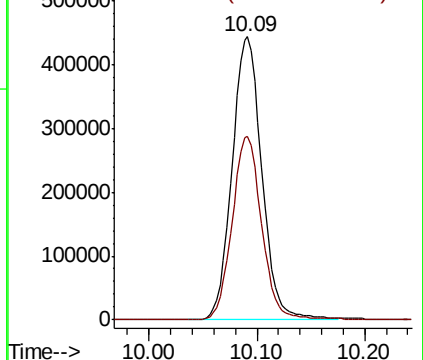


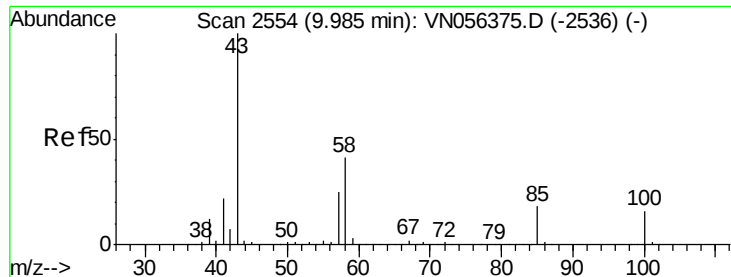
#50
Toluene-d8
Concen: 51.099 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056429.D
Acq: 21 Jun 2019 16:26

Tgt Ion: 98 Resp: 852891
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 0.988 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

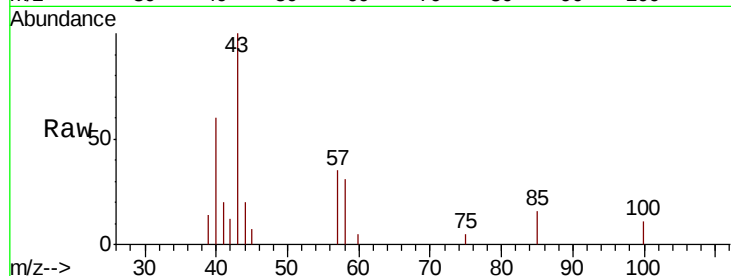
PB120805ZHE#02

Tot Ion: 43 Resp: 5846

Ion Ratio Lower Upper

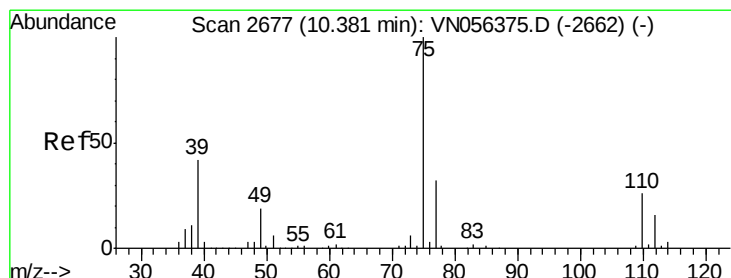
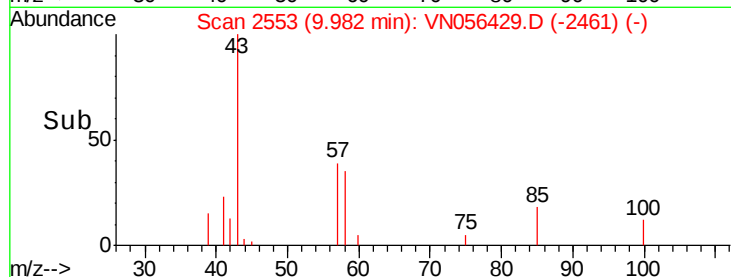
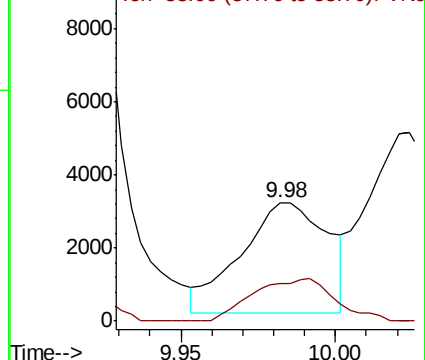
43 100

58 36.6 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#53

t-1,3-Dichloropropene

Concen: 2.901 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN056429.D

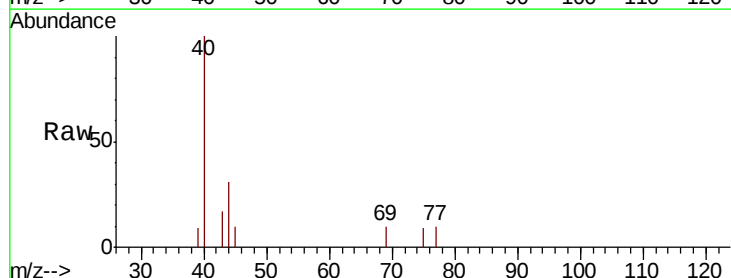
Acq: 21 Jun 2019 16:26

Tgt Ion: 75 Resp: 64

Ion Ratio Lower Upper

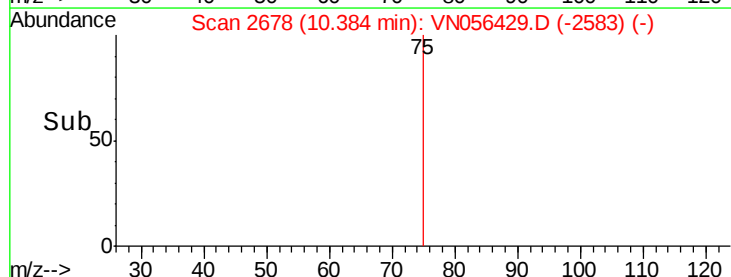
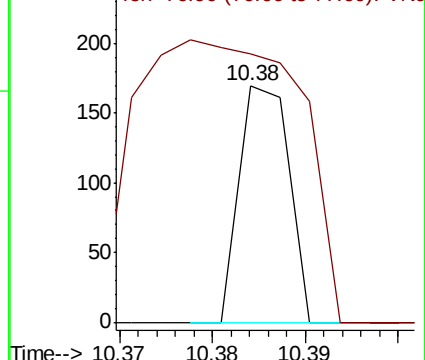
75 100

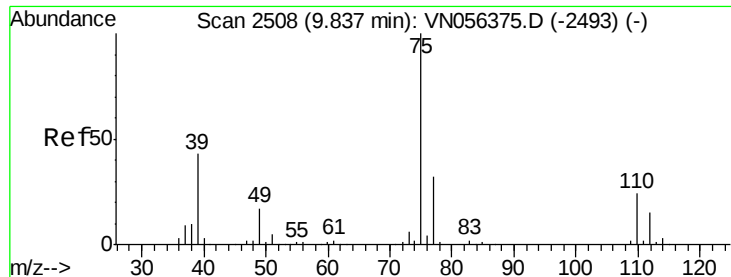
77 113.5 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

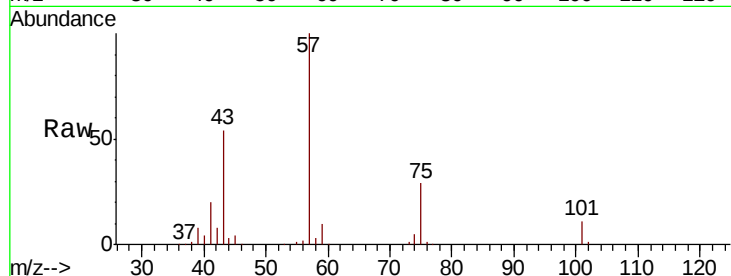




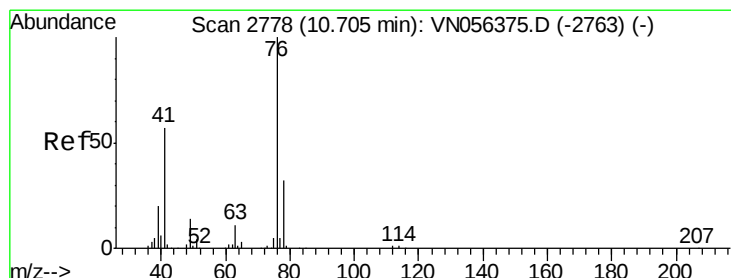
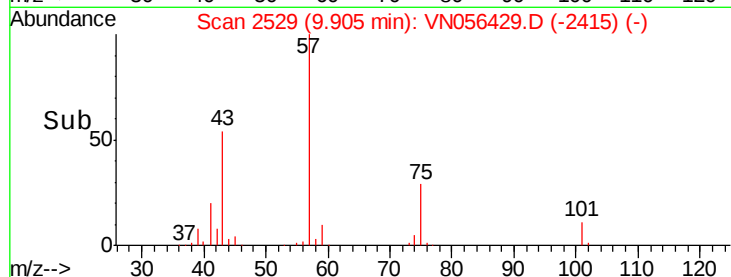
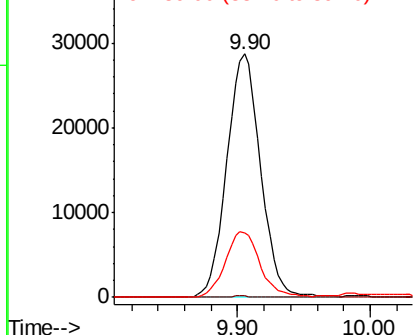
#54
 cis-1,3-Dichloropropene
 Concen: 7.618 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN056429.D
 Acq: 21 Jun 2019 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 PB120805ZHE#02

Tot Ion: 75 Resp: 50678
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 26.6 34.2 51.4#

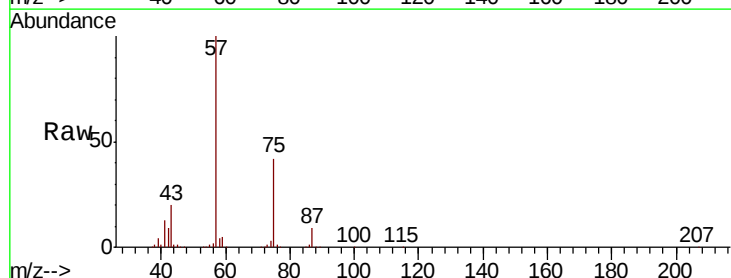


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0

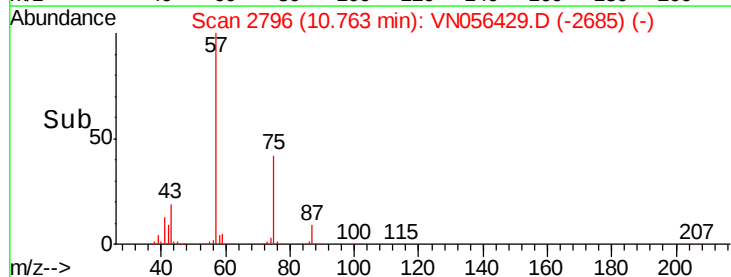
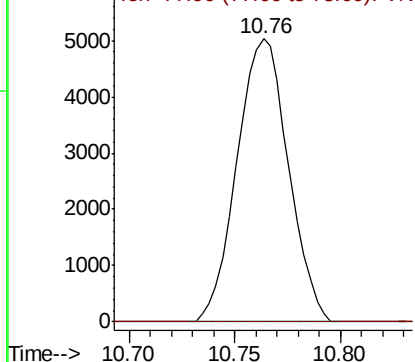


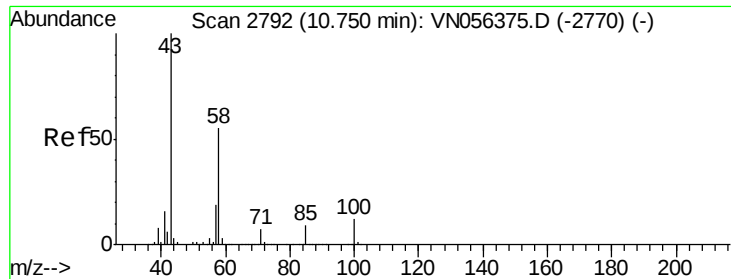
#57
 1,3-Dichloropropane
 Concen: 1.108 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN056429.D
 Acq: 21 Jun 2019 16:26

Tgt Ion: 76 Resp: 8517
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#



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

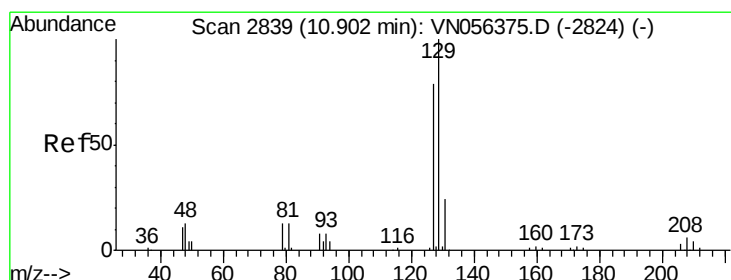
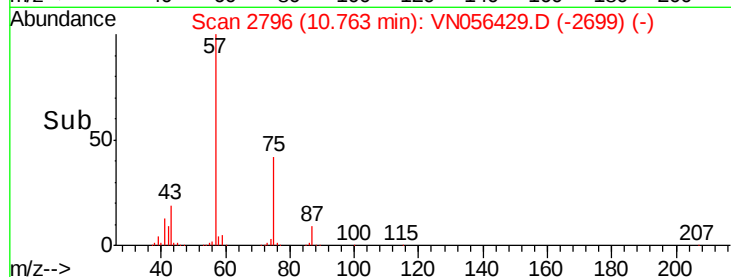
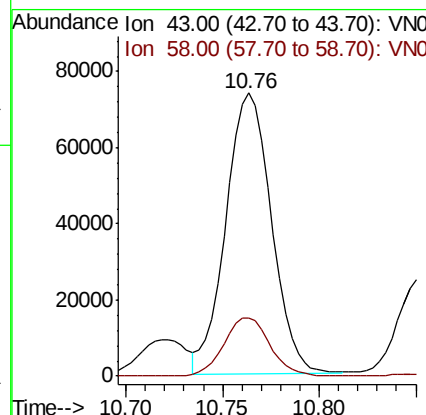
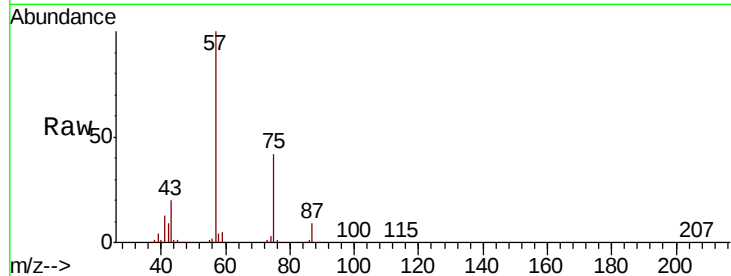




#59
2-Hexanone
Concen: 27.799 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN056429.D
Acq: 21 Jun 2019 16:26

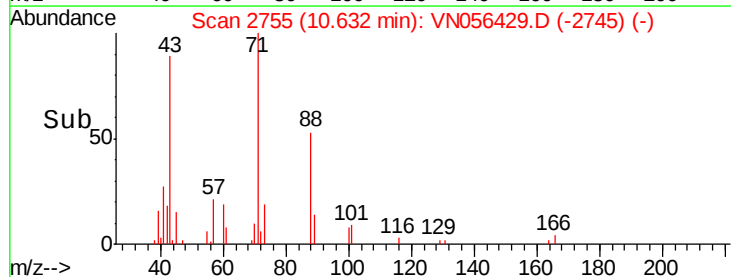
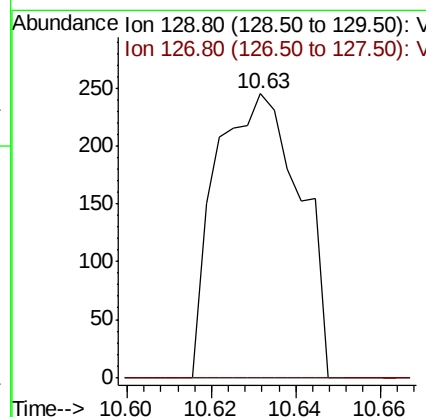
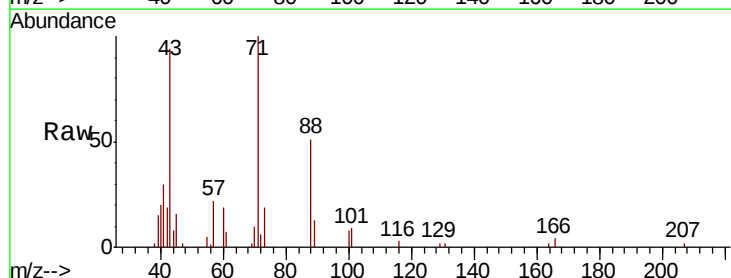
Instrument :
MSVOA_N
ClientSampleId :
PB120805ZHE#02

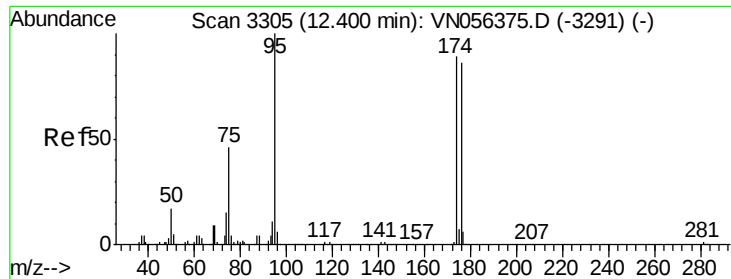
Tot Ion: 43 Resp: 120944
Ion Ratio Lower Upper
43 100
58 21.2 27.8 83.4#



#60
Dibromochloromethane
Concen: 2.450 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.27 min
Lab File: VN056429.D
Acq: 21 Jun 2019 16:26

Tgt Ion: 129 Resp: 339
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#

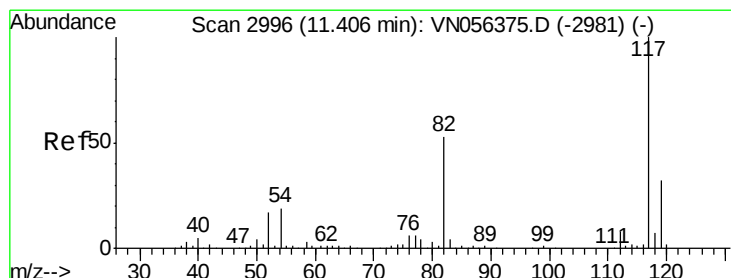
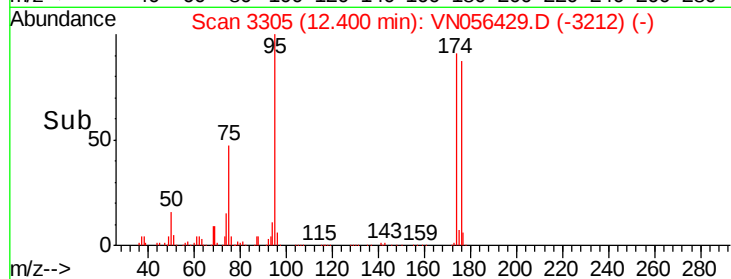
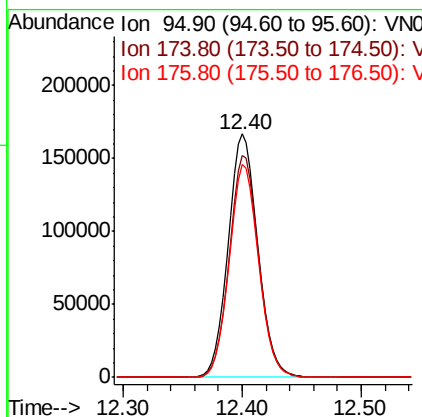
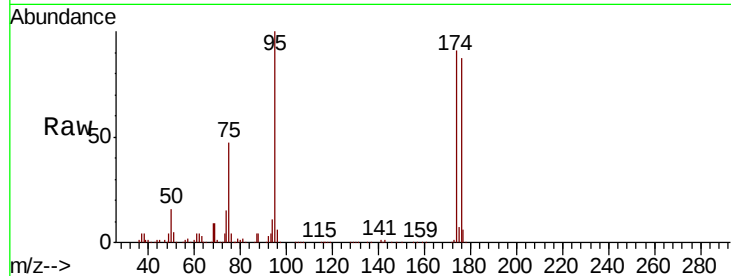




#62
4-Bromofluorobenzene
Concen: 51.640 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056429.D
Acq: 21 Jun 2019 16:26

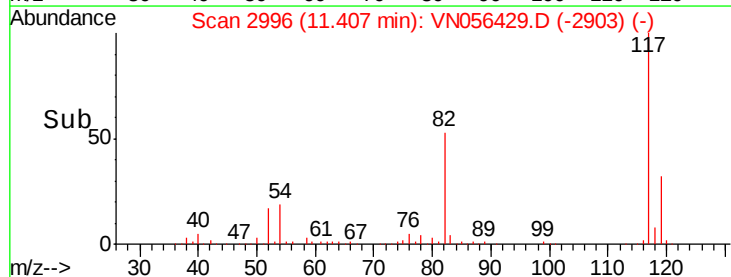
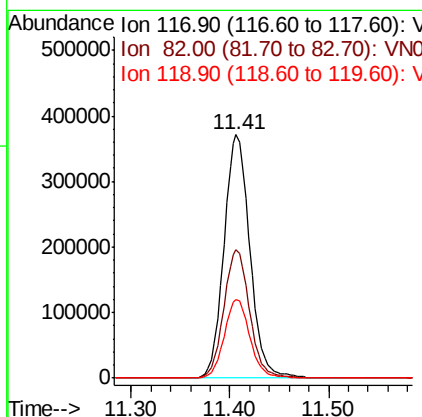
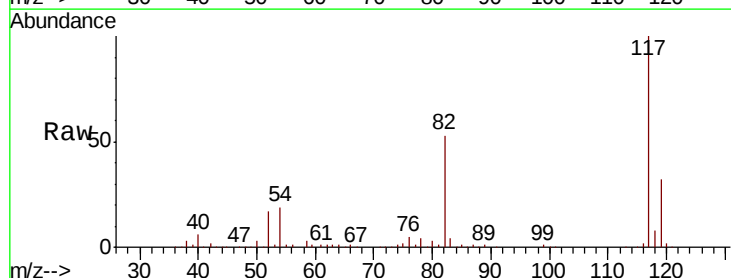
Instrument :
MSVOA_N
ClientSampleId :
PB120805ZHE#02

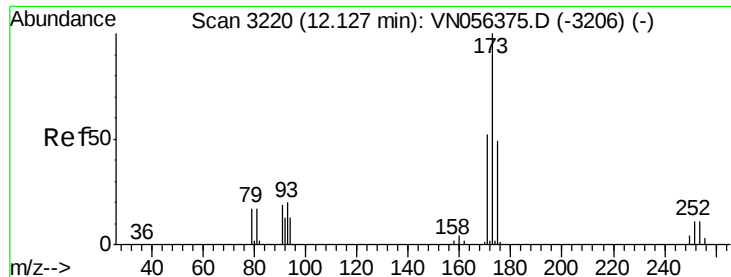
Tot Ion: 95 Resp: 287328
Ion Ratio Lower Upper
95 100
174 90.5 0.0 179.4
176 86.6 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056429.D
Acq: 21 Jun 2019 16:26

Tgt Ion: 117 Resp: 684268
Ion Ratio Lower Upper
117 100
82 52.6 42.0 63.0
119 32.4 25.3 37.9





#71

Bromoform

Concen: 3.667 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

PB120805ZHE#02

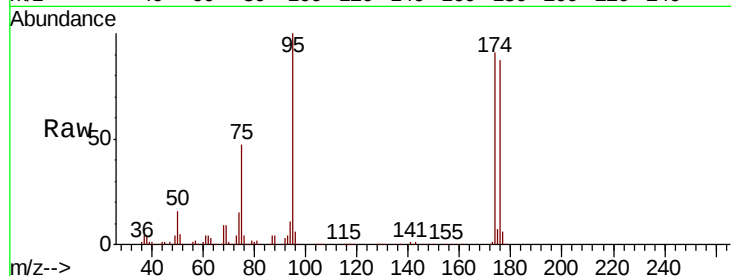
Tot Ion:173 Resp: 2097

Ion Ratio Lower Upper

173 100

175 797.7 24.4 73.4#

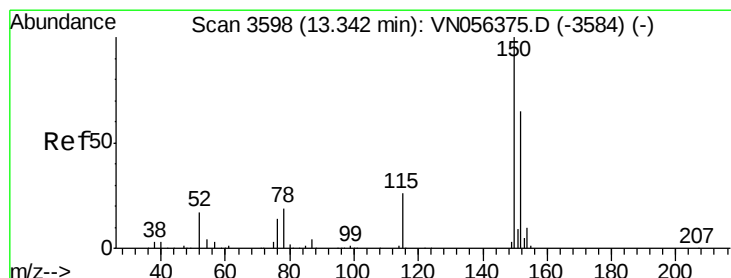
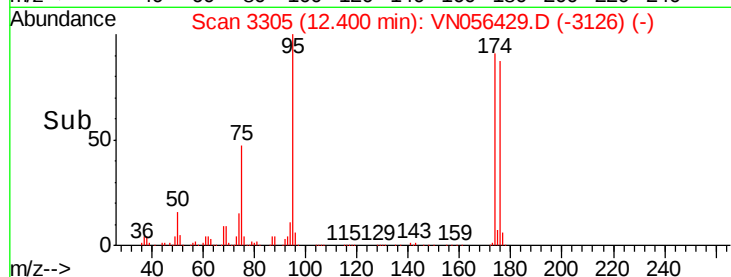
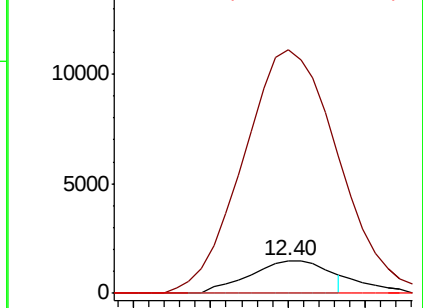
254 0.0 0.0 0.0



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: VN056429.D

Acq: 21 Jun 2019 16:26

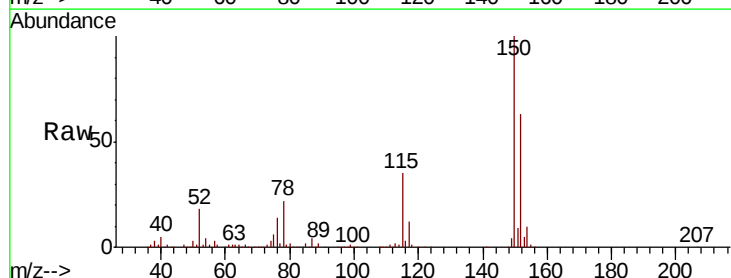
Tgt Ion:152 Resp: 213670

Ion Ratio Lower Upper

152 100

115 56.0 28.1 84.4

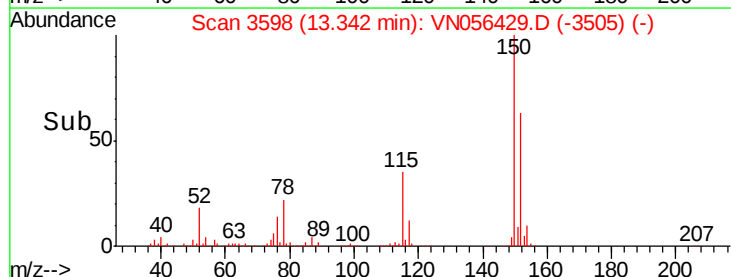
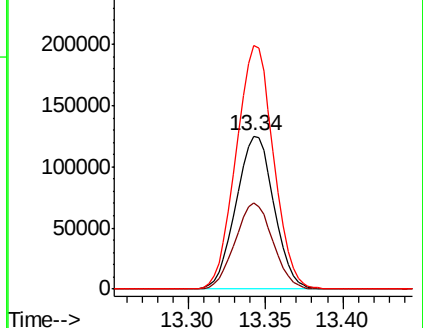
150 156.6 0.0 348.4

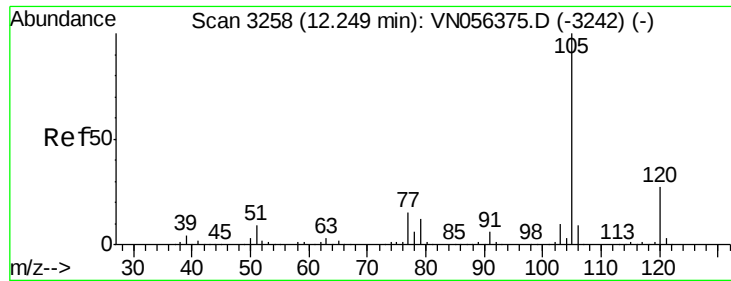


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

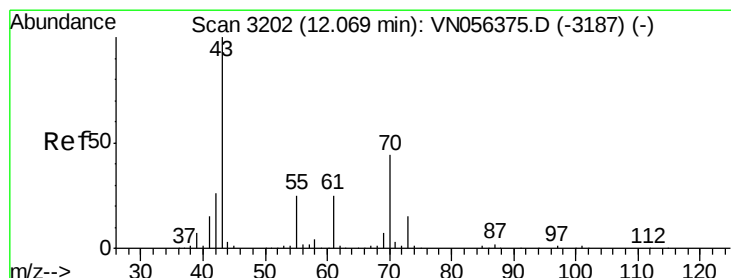
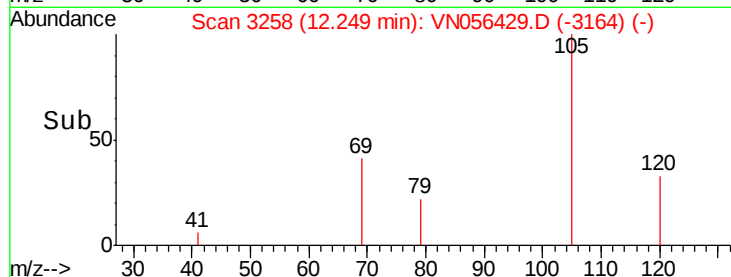
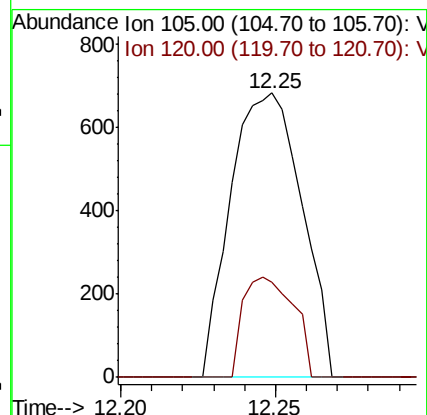
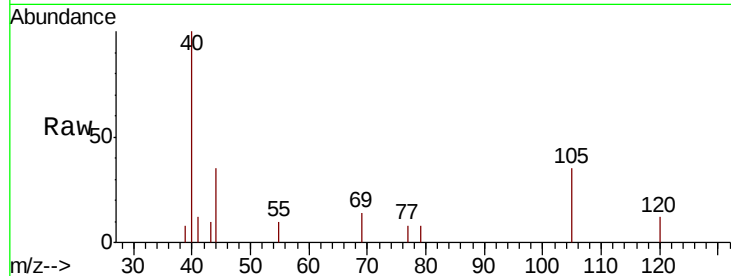
PB120805ZHE#02

Tot Ion:105 Resp: 1090

Ion Ratio Lower Upper

105 100

120 24.8 13.4 40.2



#74

N-ethyl acetate

Concen: 0.485 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

Tgt Ion: 43 Resp: 3297

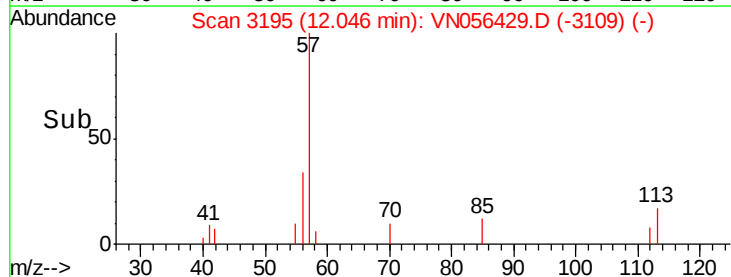
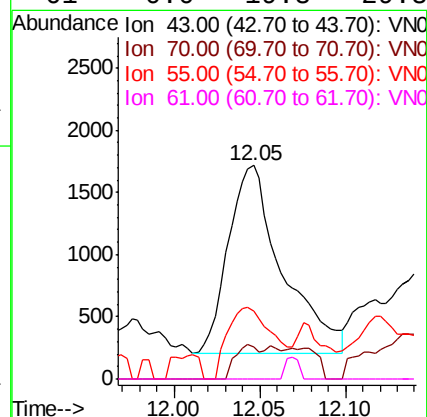
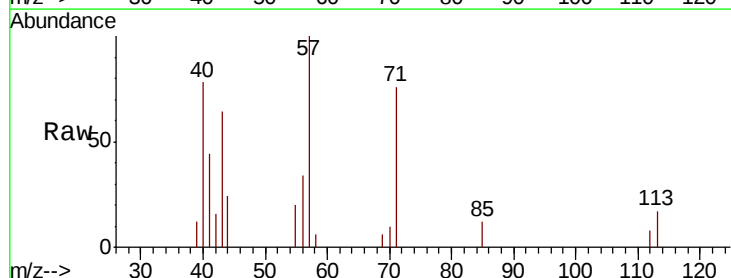
Ion Ratio Lower Upper

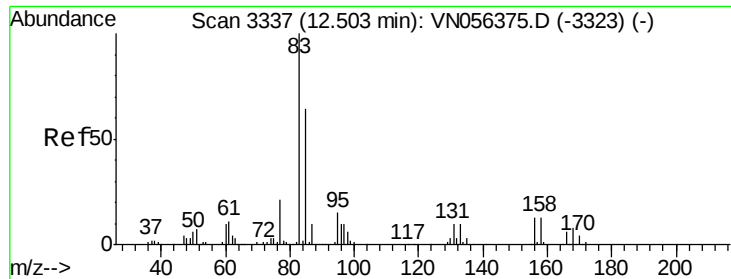
43 100

70 8.0 34.9 52.3#

55 33.3 20.4 30.6#

61 0.0 19.8 29.8#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.56 min Scan# 3354

Delta R.T. 0.06 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

PB120805ZHE#02

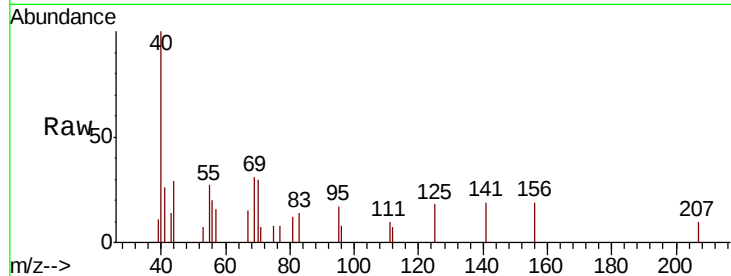
Tot Ion: 83 Resp: 339

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

85 0.0 32.4 97.0#



Abundance Ion 82.90 (82.60 to 83.60): VN056429.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN056429.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN056429.D (-3243) (-)

12.56

300

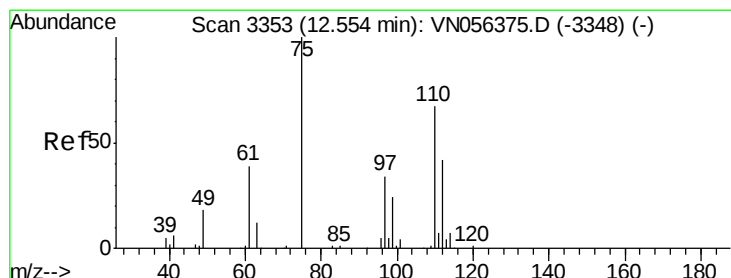
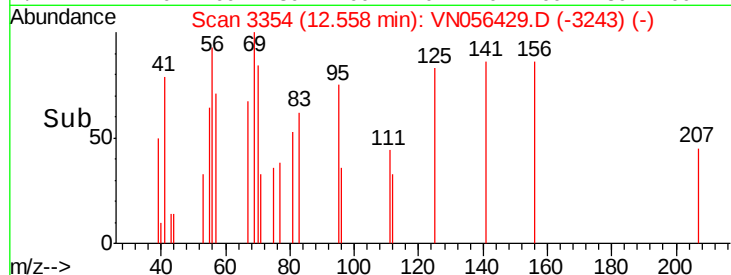
200

100

0

12.54 12.56 12.58

Time-->



#76

1,2,3-Trichloropropane

Concen: 30.058 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056429.D

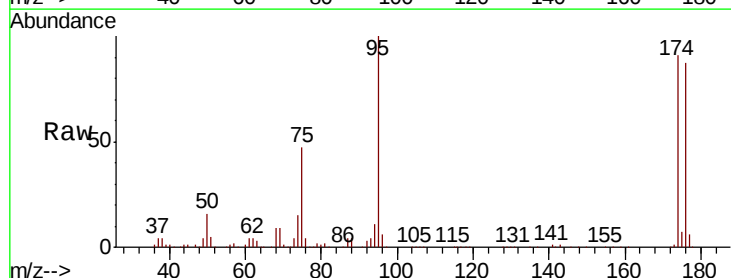
Acq: 21 Jun 2019 16:26

Tgt Ion: 75 Resp: 133172

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN056429.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN056429.D (-3260) (-)

12.40

80000

60000

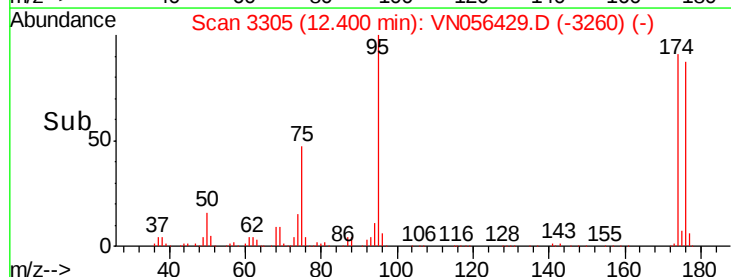
40000

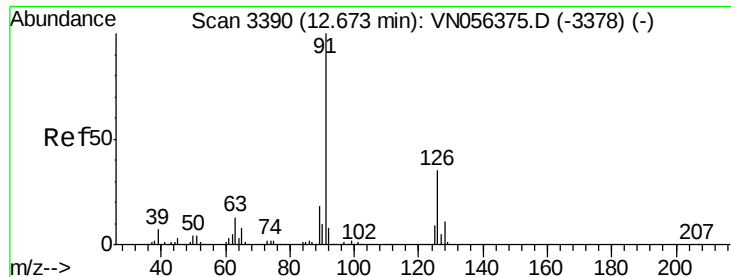
20000

0

12.35 12.40 12.45

Time-->





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

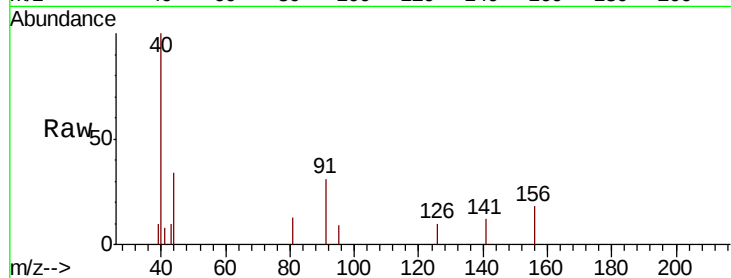
PB120805ZHE#02

Tot Ion: 91 Resp: 954

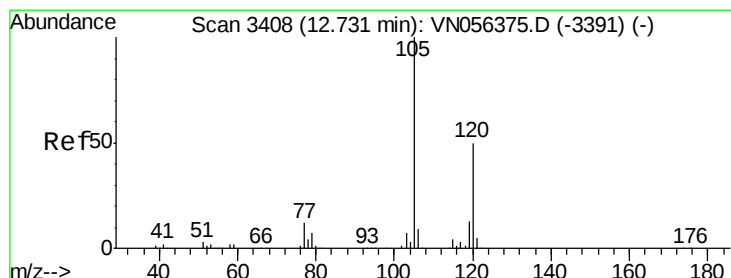
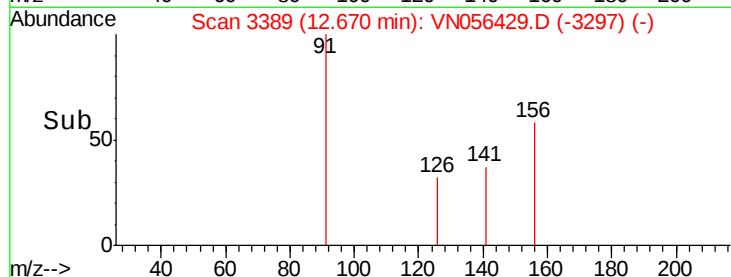
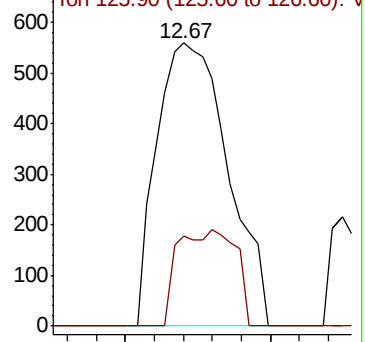
Ion Ratio Lower Upper

91 100

126 27.7 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056429.D

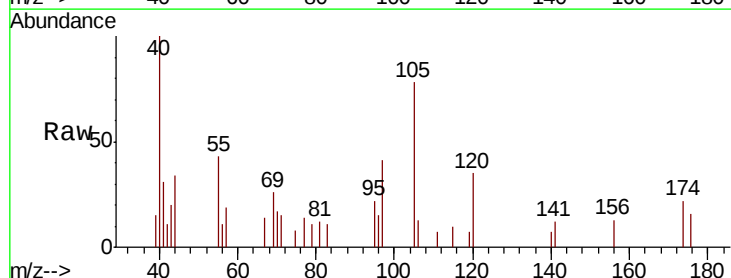
Acq: 21 Jun 2019 16:26

Tgt Ion: 105 Resp: 2603

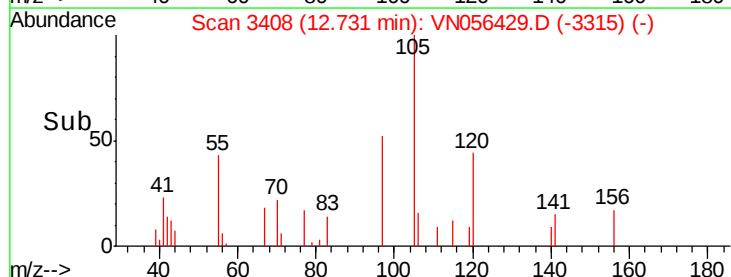
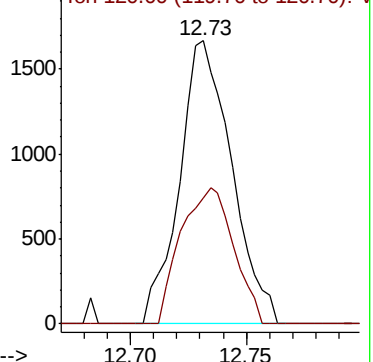
Ion Ratio Lower Upper

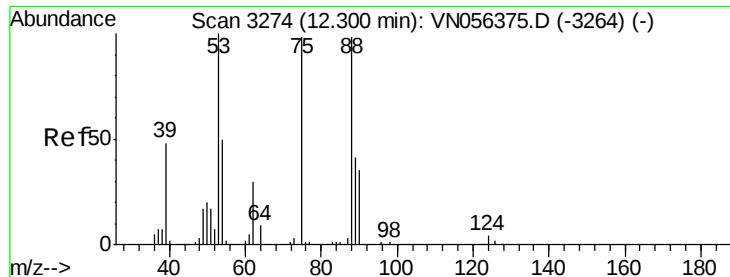
105 100

120 48.7 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN056375.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 106.831 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

PB120805ZHE#02

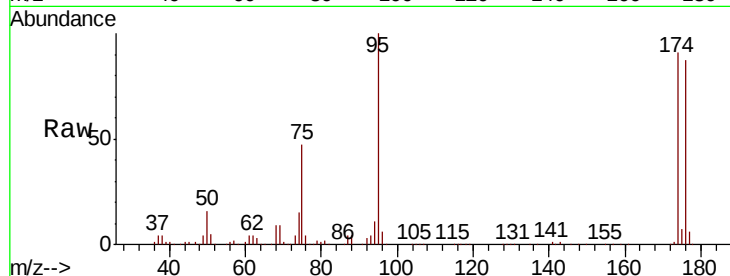
Tot Ion: 75 Resp: 133172

Ion Ratio Lower Upper

75 100

53 0.0 83.9 125.9#

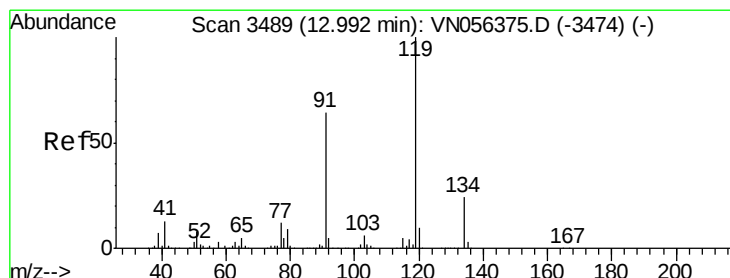
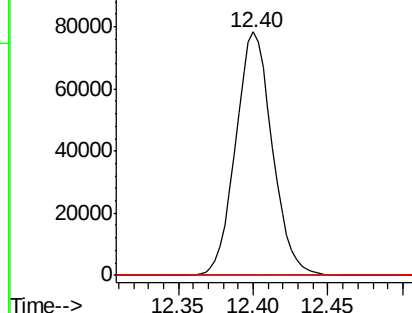
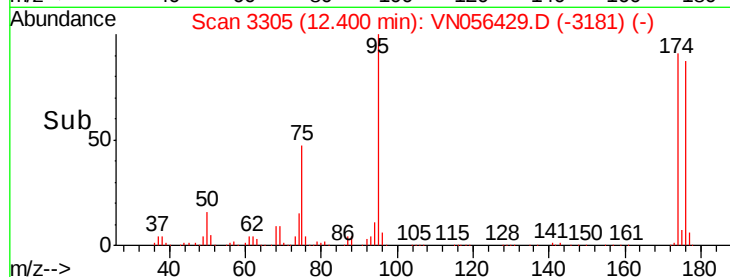
89 0.0 35.0 52.6#



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



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

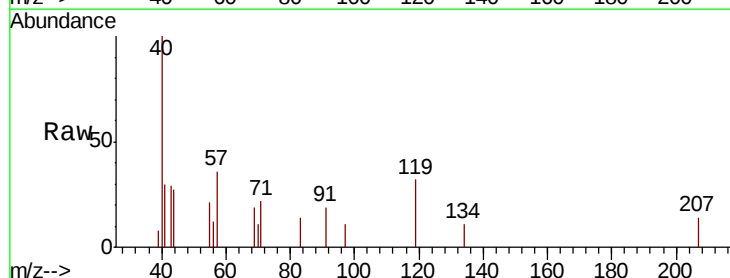
Tgt Ion: 119 Resp: 1009

Ion Ratio Lower Upper

119 100

91 73.9 31.6 94.7

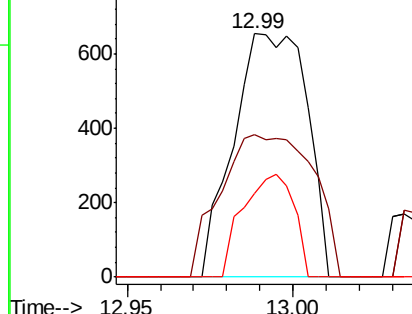
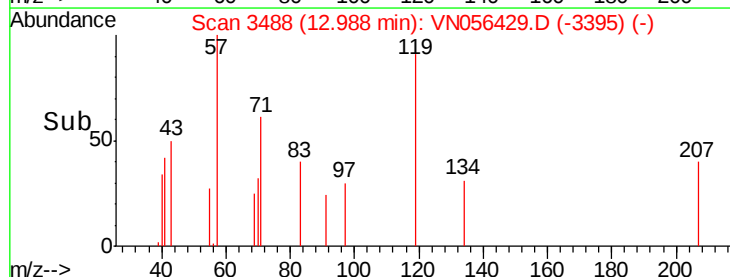
134 29.1 13.2 39.5

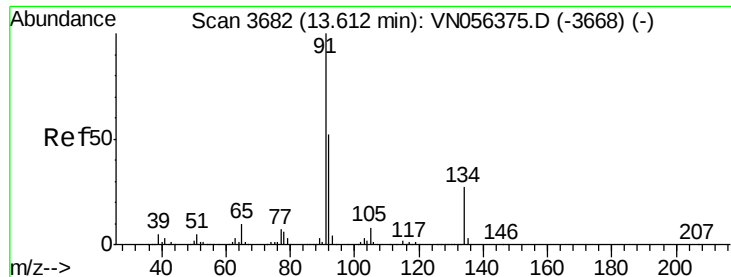


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V

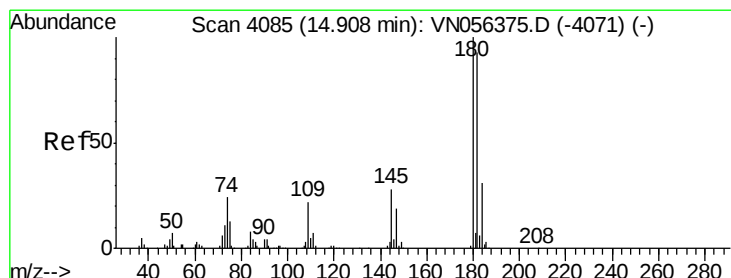
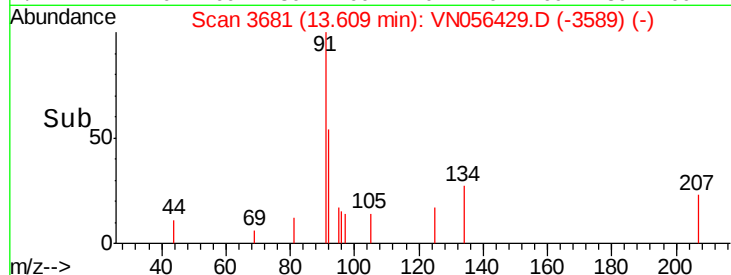
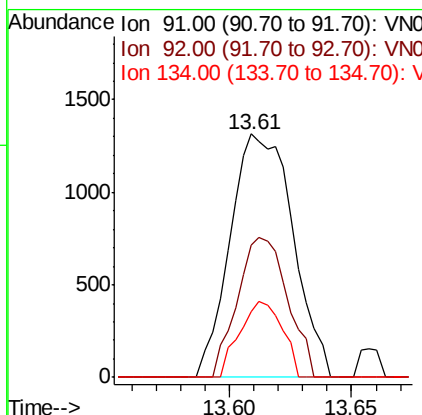
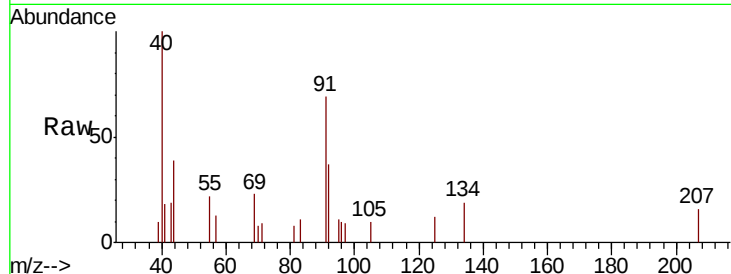




#89
n-Butylbenzene
Concen: 0.210 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN056429.D
Acq: 21 Jun 2019 16:26

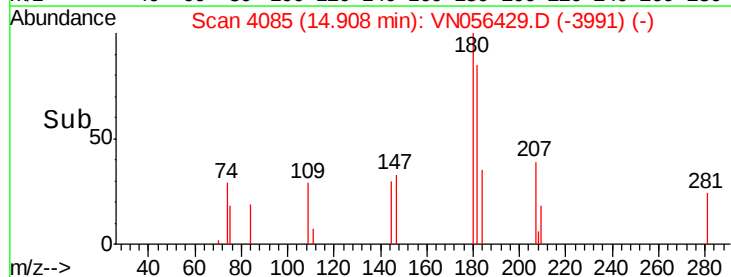
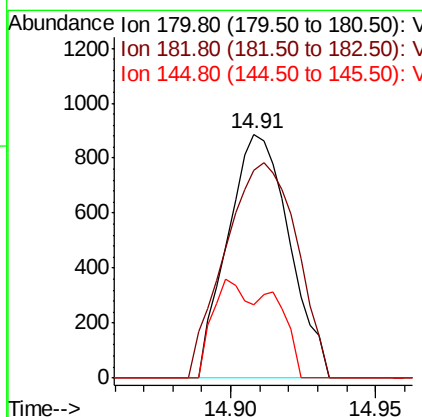
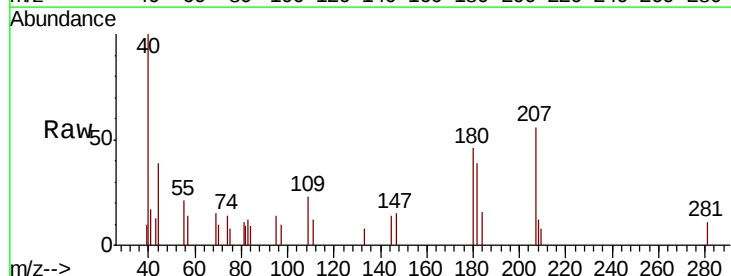
Instrument :
MSVOA_N
ClientSampleId :
PB120805ZHE#02

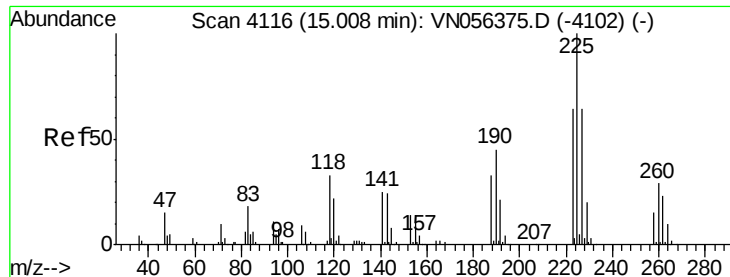
Tot Ion: 91 Resp: 2347
Ion Ratio Lower Upper
91 100
92 45.9 26.2 78.5
134 21.1 13.4 40.2



#93
1,2,4-Trichlorobenzene
Concen: 5.924 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN056429.D
Acq: 21 Jun 2019 16:26

Tgt Ion: 180 Resp: 1307
Ion Ratio Lower Upper
180 100
182 102.7 46.9 140.6
145 25.2 14.4 43.0





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

Delta R.T. 0.01 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

PB120805ZHE#02

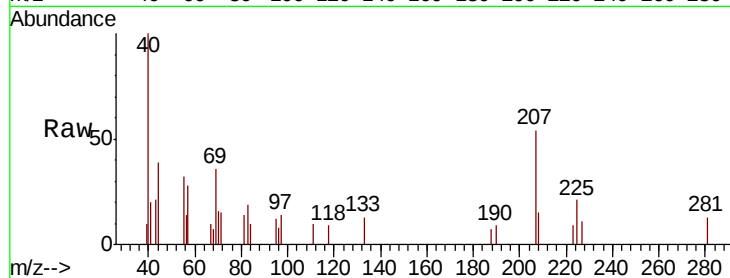
Tot Ion:225 Resp: 542

Ion Ratio Lower Upper

225 100

223 51.5 31.4 94.3

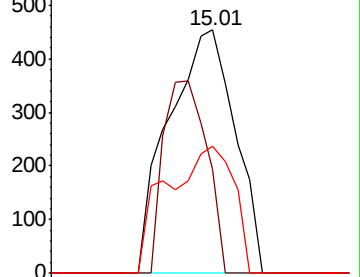
227 53.0 32.1 96.3



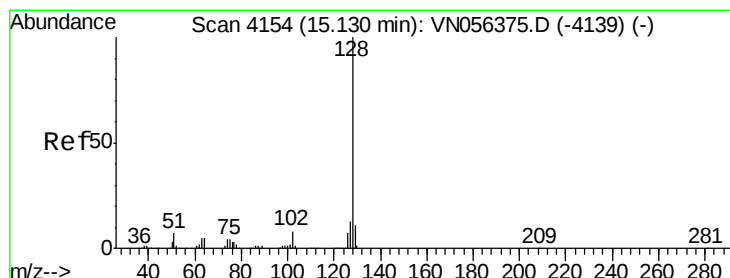
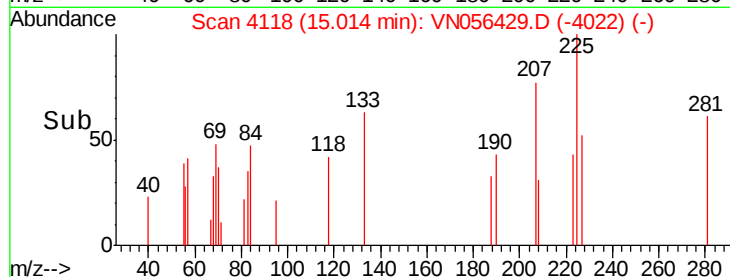
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->



#95

Naphthalene

Concen: 5.719 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

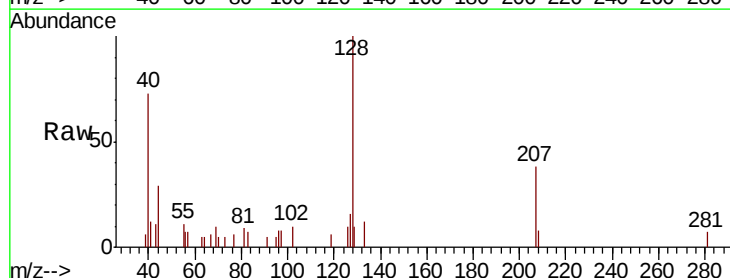
Tgt Ion:128 Resp: 5179

Ion Ratio Lower Upper

128 100

127 15.0 10.2 15.2

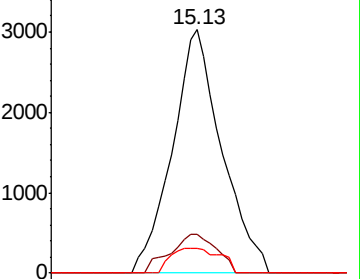
129 10.3 8.6 12.8



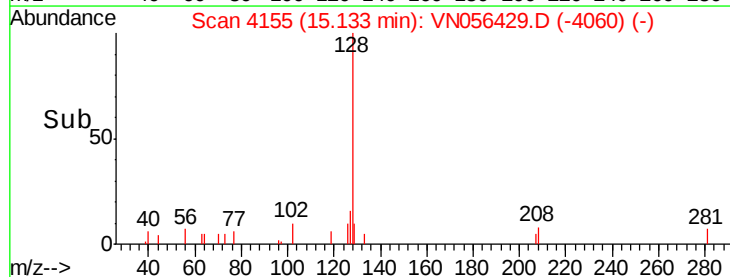
Abundance Ion 128.00 (127.70 to 128.70): V

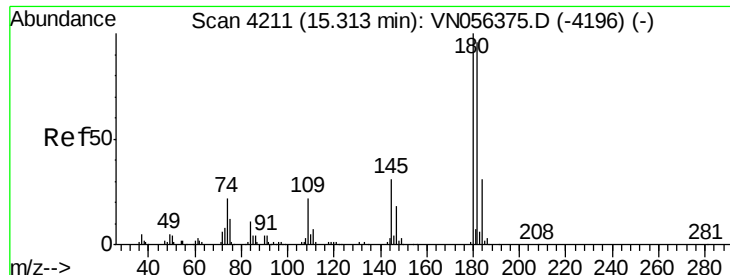
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->

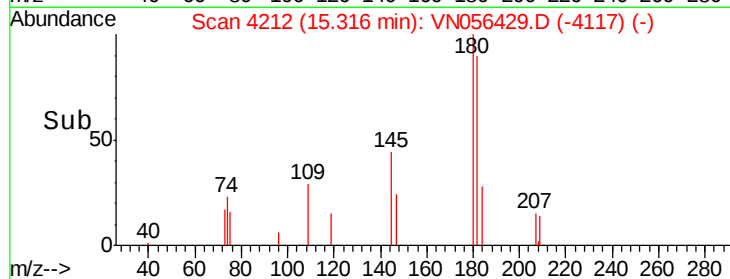
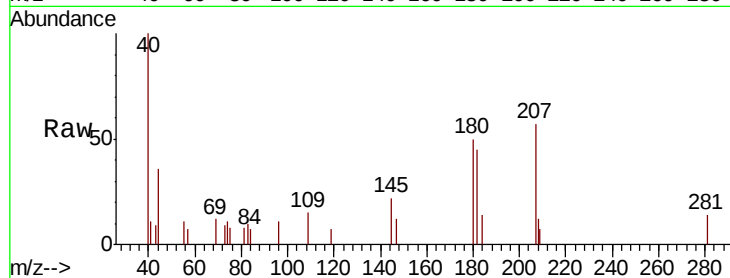




#96
 1,2,3-Trichlorobenzene
 Concen: 4.940 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN056429.D
 Acq: 21 Jun 2019 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 PB120805ZHE#02

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.4	48.3	144.8
145	32.2	15.4	46.1



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

