

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081319\
 Data File : VN057265.D
 Acq On : 13 Aug 2019 23:03
 Operator : JC/SP
 Sample : K4266-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 R1-R2-A1-(4.3)

Quant Time: Aug 14 06:34:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 06:25:03 2019
 Response via : Initial Calibration

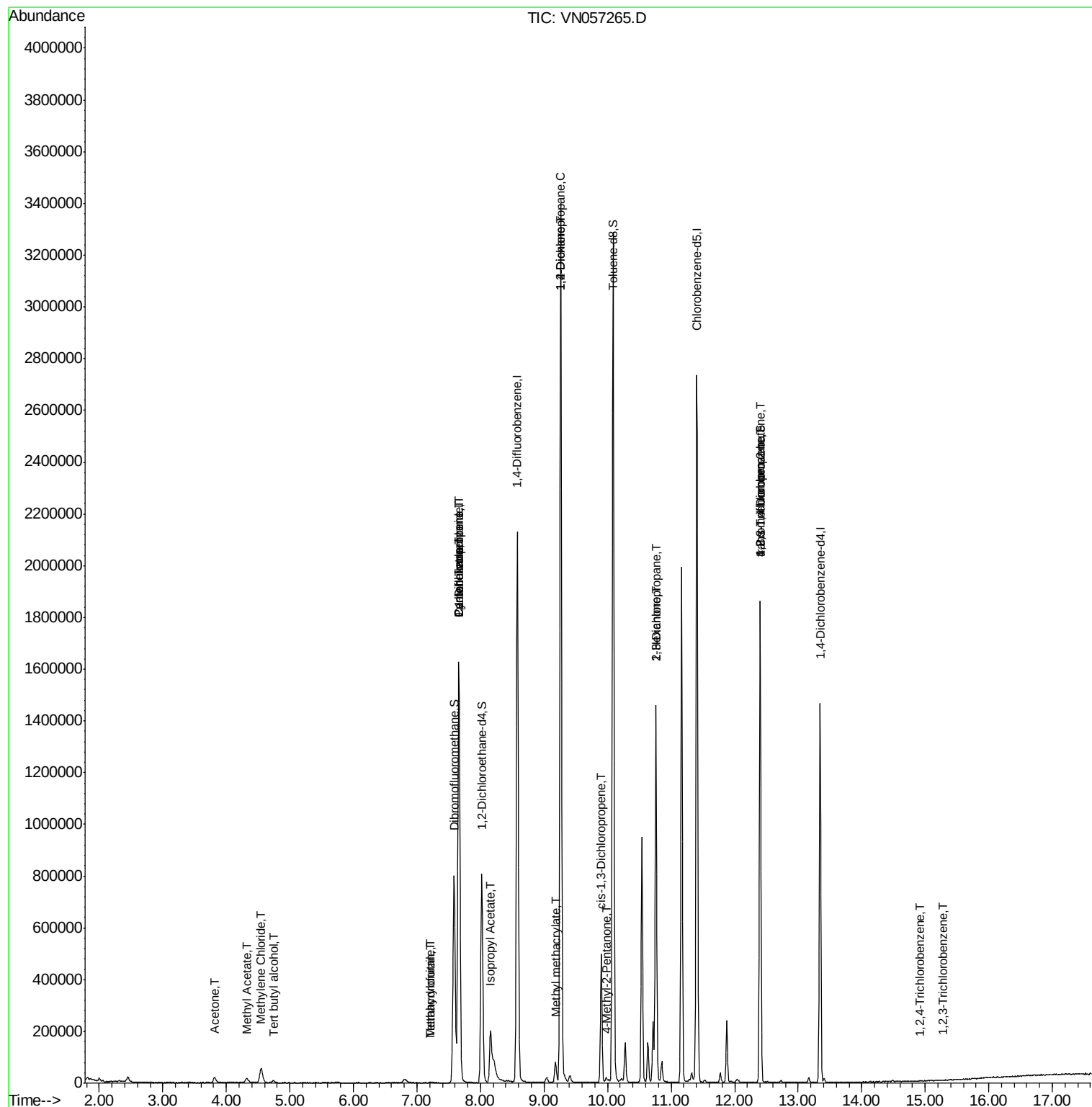
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1487551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2072458	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1730269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	437997	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	682949	45.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.02%	
35) Dibromofluoromethane	7.58	113	619229	46.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.58%	
50) Toluene-d8	10.09	98	2393968	49.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	12.40	95	637324	38.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.00%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.73	59	8058	3.987	ug/l #	87
16) Acetone	3.82	43	33062	6.426	ug/l	95
18) Methyl Acetate	4.32	43	34775	1.493	ug/l #	89
20) Methylene Chloride	4.54	84	47170	3.139	ug/l	95
29) Tetrahydrofuran	7.22	42	2393	0.512	ug/l #	40
31) Cyclohexane	7.65	56	21440	1.009	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	90278	4.982	ug/l #	48
38) Carbon Tetrachloride	7.66	117	125049	6.497	ug/l #	15
41) Methacrylonitrile	7.21	41	1203	0.201	ug/l #	100
43) Isopropyl Acetate	8.16	43	251426	10.483	ug/l #	82
45) 1,2-Dichloropropane	9.26	63	4566	0.327	ug/l #	43
48) Methyl methacrylate	9.18	41	11037	0.995	ug/l #	10
49) 1,4-Dioxane	9.26	88	460	1.839	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	11906	0.845	ug/l	94
54) cis-1,3-Dichloropropene	9.90	75	98003	4.485	ug/l #	58
57) 1,3-Dichloropropane	10.76	76	16755	0.760	ug/l #	42
59) 2-Hexanone	10.76	43	203366	20.351	ug/l #	50
73) Isopropylbenzene	12.25	105	215	Below Cal	#	47
74) N-amyl acetate	12.03	43	9438	Below Cal	#	41
75) 1,1,2,2-Tetrachloroethane	12.40	83	235	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	288482	36.693	ug/l #	100
77) Bromobenzene	12.52	156	97	Below Cal	#	42
78) n-propylbenzene	12.59	91	565	Below Cal	#	51
79) 2-Chlorotoluene	12.79	91	370	Below Cal		75
80) 1,3,5-Trimethylbenzene	12.73	105	2903	Below Cal		80
81) trans-1,4-Dichloro-2-buten	12.40	75	288482	88.467	ug/l #	16
83) tert-Butylbenzene	12.99	119	288	Below Cal	#	28
85) sec-Butylbenzene	13.17	105	454	Below Cal	#	55
93) 1,2,4-Trichlorobenzene	14.92	180	303	3.295	ug/l #	75
95) Naphthalene	15.13	128	320	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.29	180	433	4.313	ug/l #	11

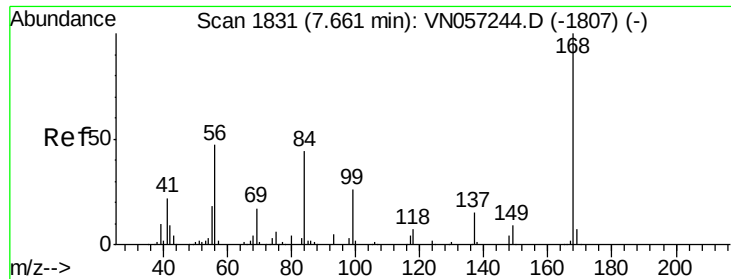
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057265.D

Acq: 13 Aug 2019 23:03

Instrument :

MSVOA_N

ClientSampleId :

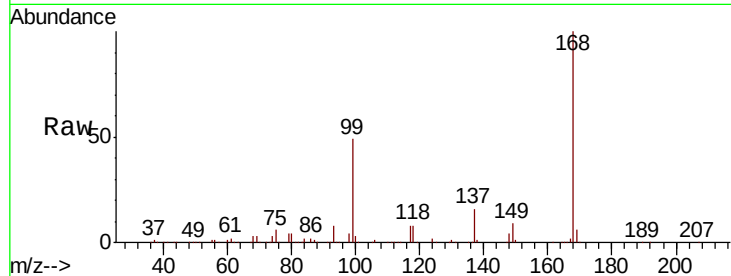
R1-R2-A1-(4.3)

Tgt Ion:168 Resp: 1487551

Ion Ratio Lower Upper

168 100

99 48.7 38.6 58.0



Abundance Ion 167.90 (167.60 to 168.60): VN057244.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN057244.D (-1807) (-)

7.66

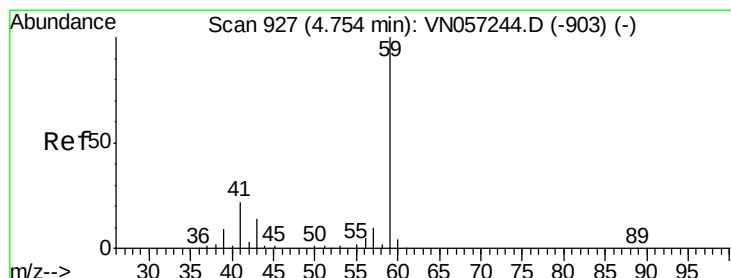
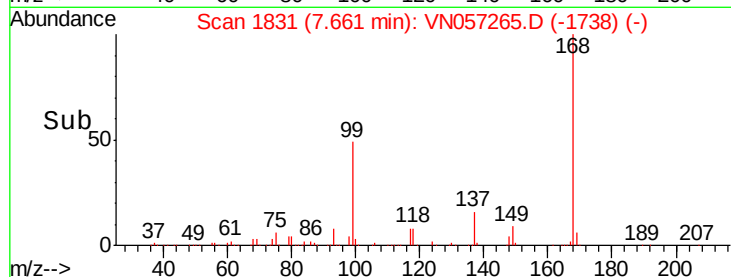
600000

400000

200000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.987 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.02 min

Lab File: VN057265.D

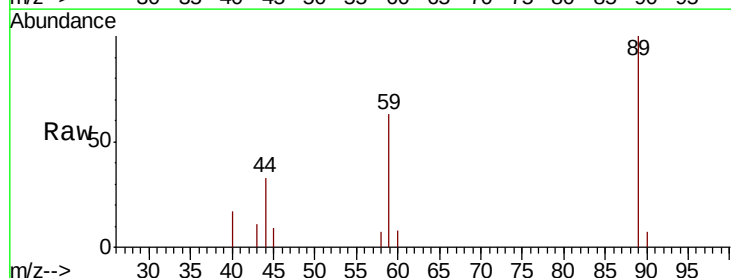
Acq: 13 Aug 2019 23:03

Tgt Ion: 59 Resp: 8058

Ion Ratio Lower Upper

59 100

57 0.0 3.4 5.2#



Abundance Ion 59.00 (58.70 to 59.70): VN057244.D (-903) (-)

Ion 57.00 (56.70 to 57.70): VN057244.D (-903) (-)

4.73

2500

2000

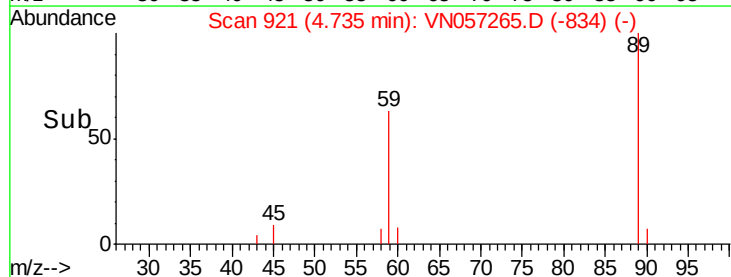
1500

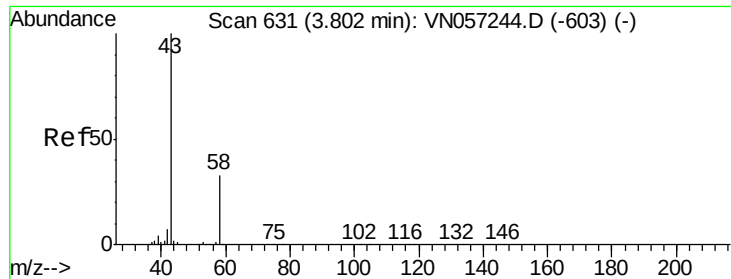
1000

500

0

Time-->

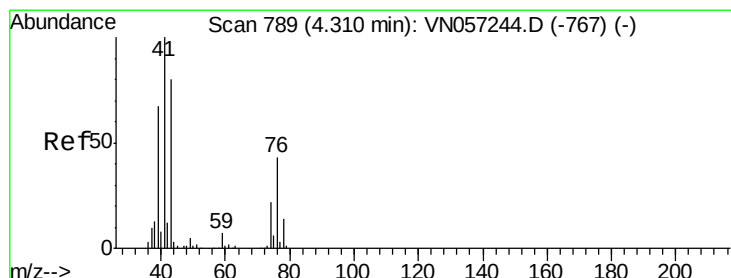
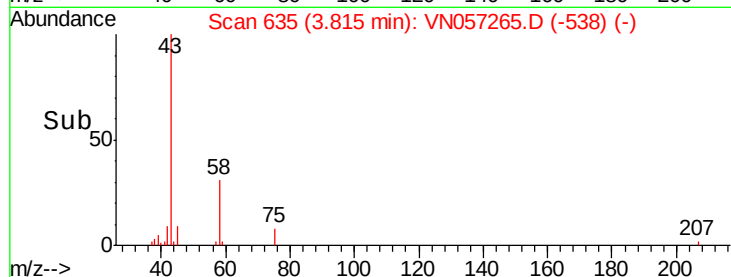
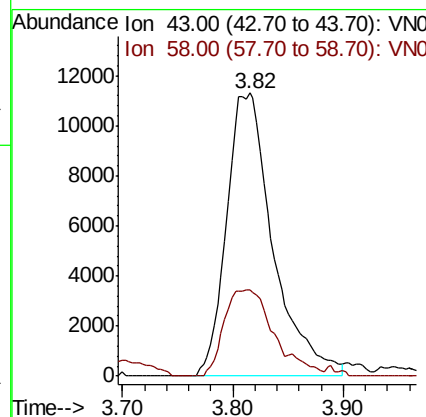
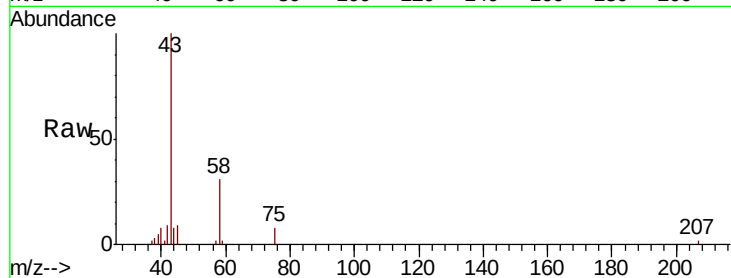




#16
Acetone
Concen: 6.426 ug/l
RT: 3.82 min Scan# 635
Delta R.T. 0.01 min
Lab File: VN057265.D
Acq: 13 Aug 2019 23:03

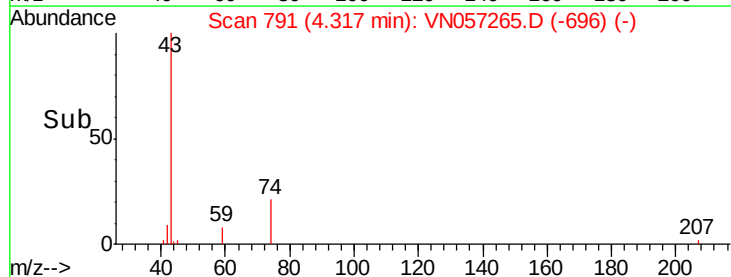
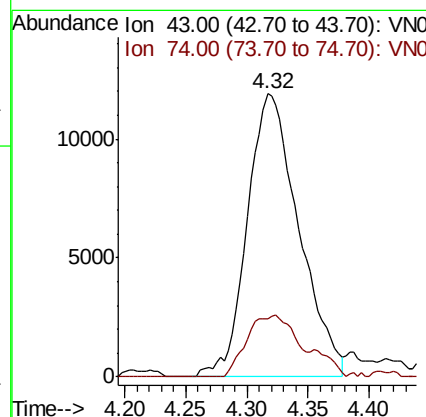
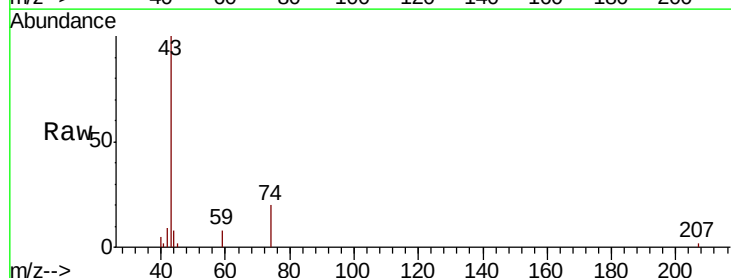
Instrument :
MSVOA_N
ClientSampleId :
R1-R2-A1-(4.3)

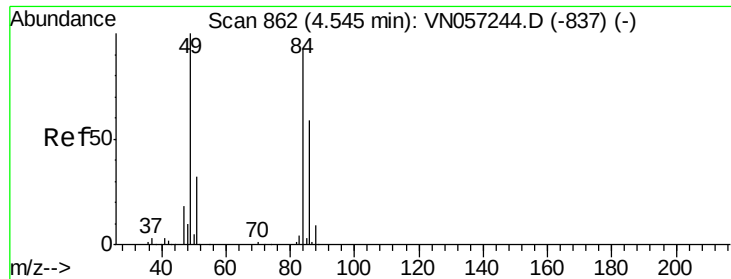
Tgt Ion: 43 Resp: 33062
Ion Ratio Lower Upper
43 100
58 30.6 26.7 40.1



#18
Methyl Acetate
Concen: 1.493 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN057265.D
Acq: 13 Aug 2019 23:03

Tgt Ion: 43 Resp: 34775
Ion Ratio Lower Upper
43 100
74 20.3 20.6 31.0#

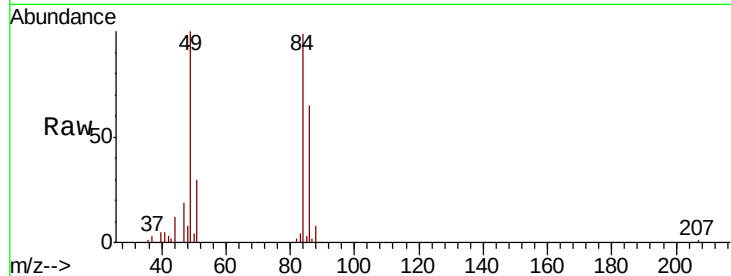




#20
Methylene Chloride
Concen: 3.139 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN057265.D
Acq: 13 Aug 2019 23:03

Instrument :
MSVOA_N
ClientSampled :
R1-R2-A1-(4.3)

Tgt Ion:	84	Resp:	47170
Ion	Ratio	Lower	Upper
84	100		
49	100.3	85.9	128.9
51	30.2	27.1	40.7
86	65.5	51.0	76.6



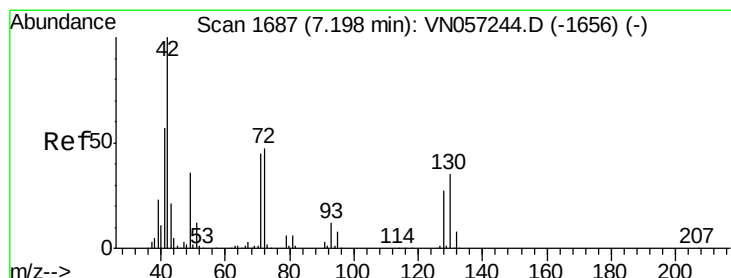
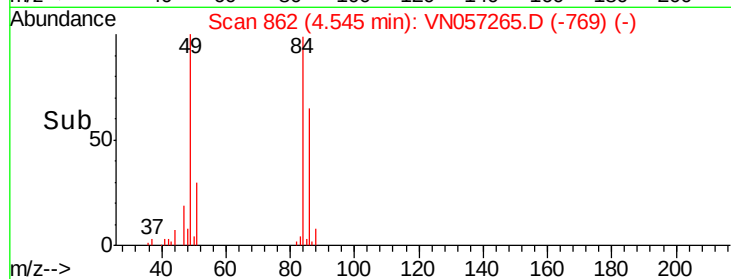
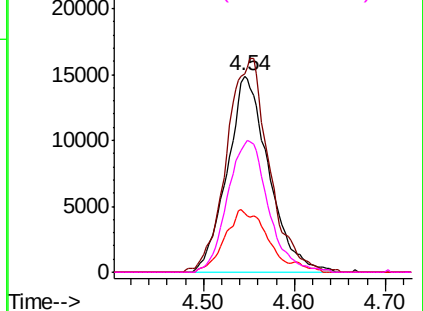
Abundance

Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

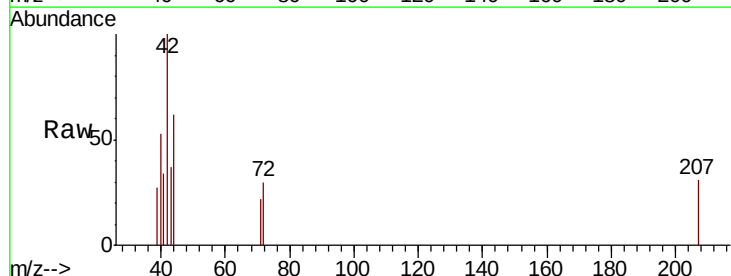
Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#29
Tetrahydrofuran
Concen: 0.512 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.02 min
Lab File: VN057265.D
Acq: 13 Aug 2019 23:03

Tgt Ion:	42	Resp:	2393
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.6	56.4#
71	12.3	35.6	53.4#

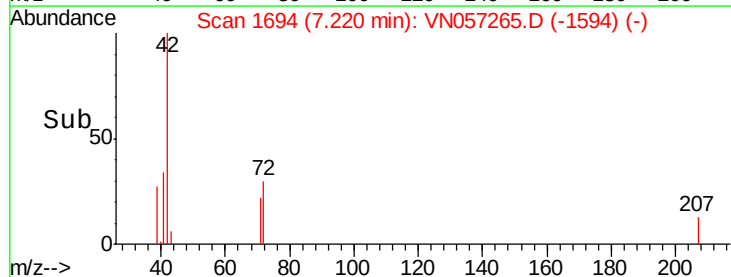
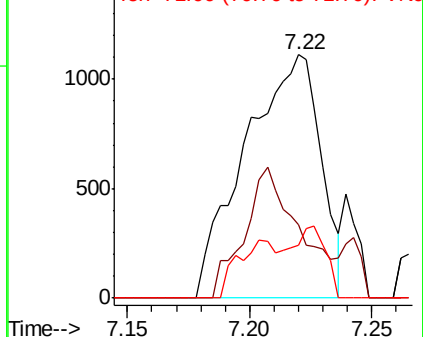


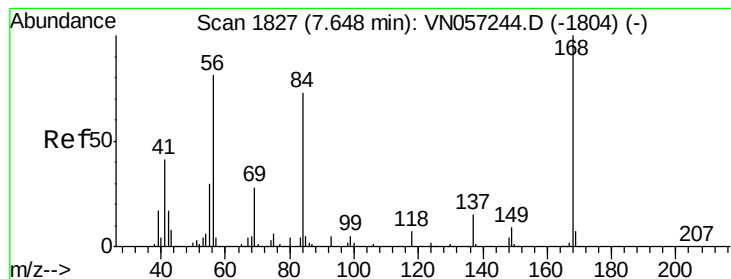
Abundance

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





#31

Cyclohexane

Concen: 1.009 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN057265.D

Acq: 13 Aug 2019 23:03

Instrument :

MSVOA_N

ClientSampled :

R1-R2-A1-(4.3)

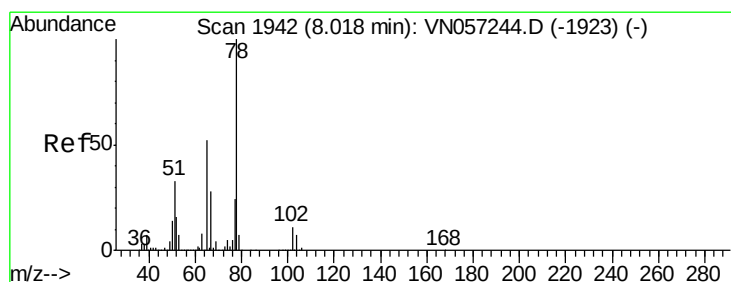
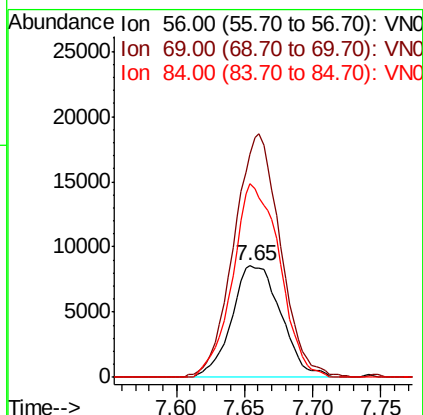
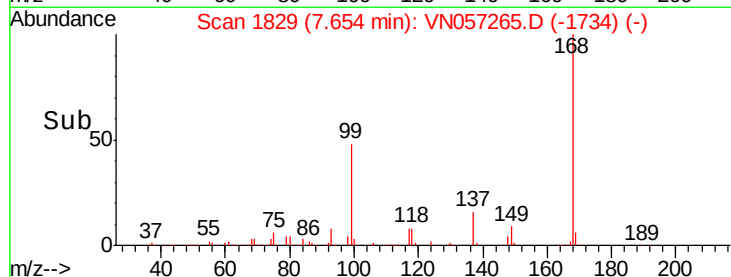
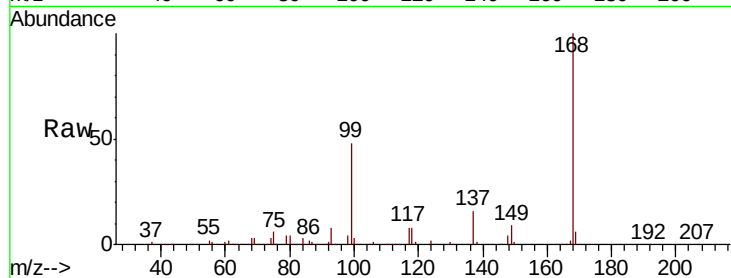
Tgt Ion: 56 Resp: 21440

Ion Ratio Lower Upper

56 100

69 198.0 27.8 41.8#

84 173.2 72.0 108.0#



#33

1,2-Dichloroethane-d4

Concen: 45.512 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN057265.D

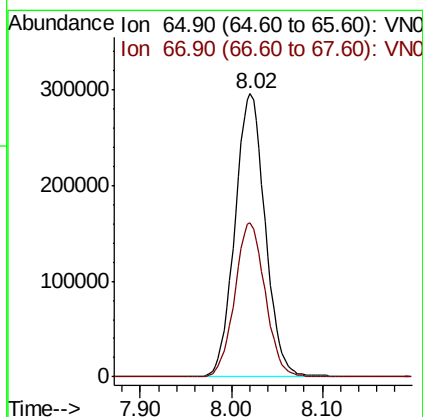
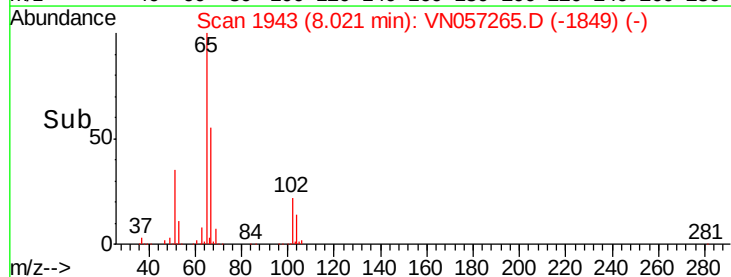
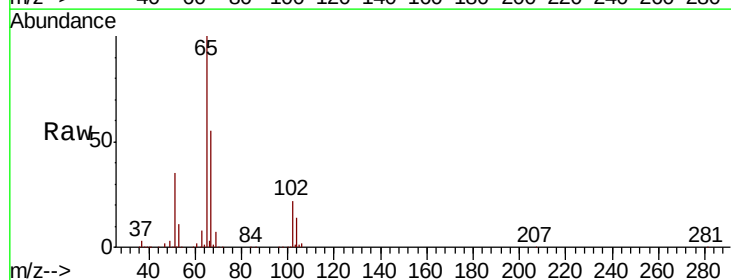
Acq: 13 Aug 2019 23:03

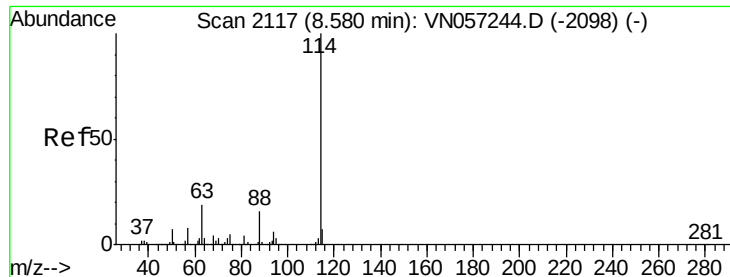
Tgt Ion: 65 Resp: 682949

Ion Ratio Lower Upper

65 100

67 54.6 0.0 107.0

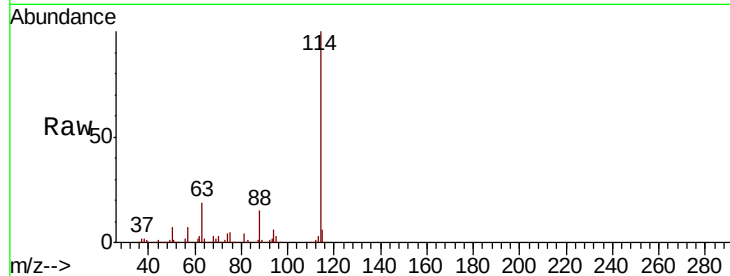




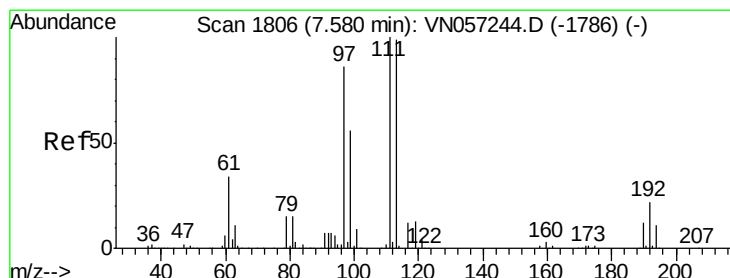
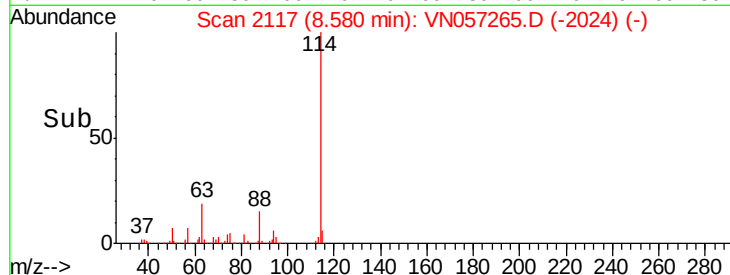
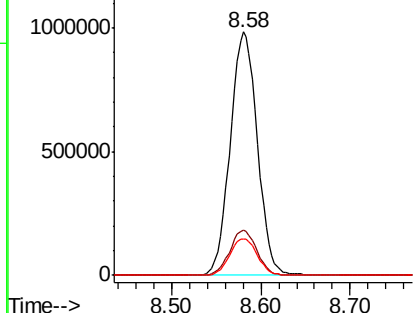
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057265.D
 Acq: 13 Aug 2019 23:03

Instrument :
 MSVOA_N
 ClientSampleId :
 R1-R2-A1-(4.3)

Tgt Ion:114 Resp: 2072458
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 37.0
 88 15.1 0.0 31.0

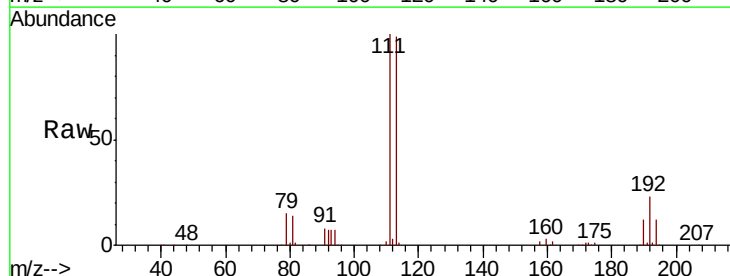


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

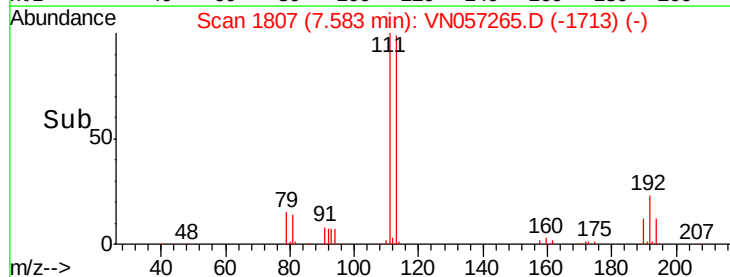
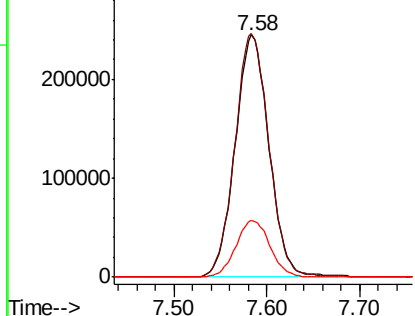


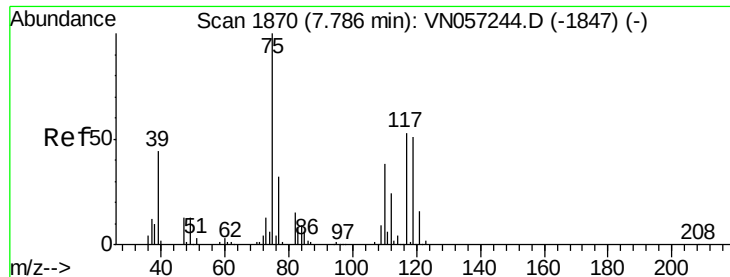
#35
 Dibromofluoromethane
 Concen: 46.794 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057265.D
 Acq: 13 Aug 2019 23:03

Tgt Ion:113 Resp: 619229
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.4 122.2
 192 23.6 18.8 28.2



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

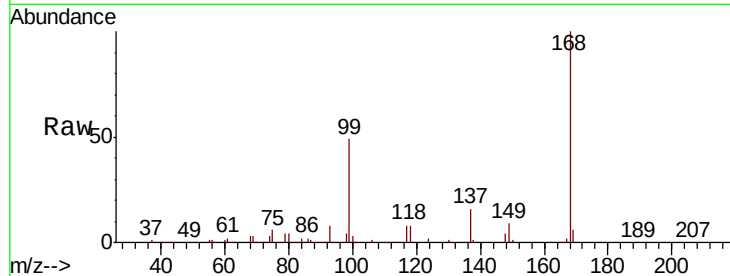




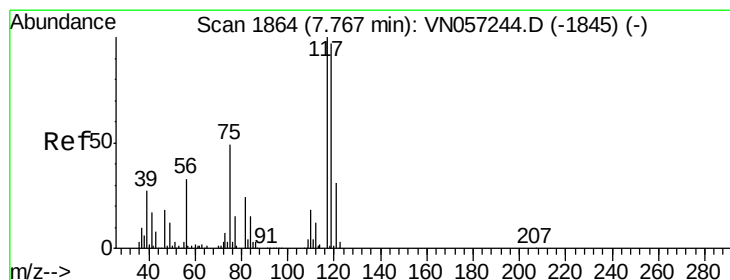
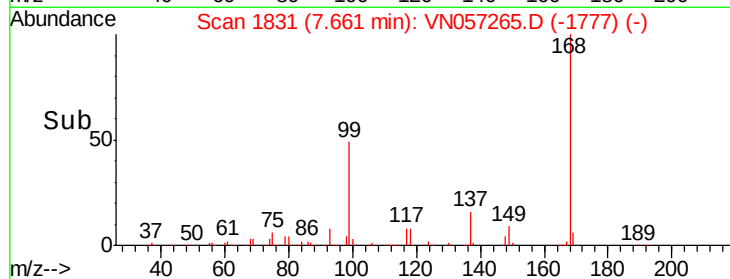
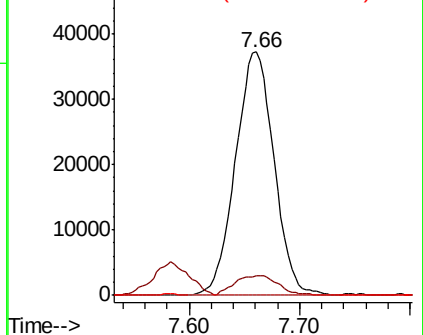
#36
 1,1-Dichloropropene
 Concen: 4.982 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN057265.D
 Acq: 13 Aug 2019 23:03

Instrument :
 MSVOA_N
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 R1-R2-A1-(4.3)

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	19.1	57.1#
77	0.0	25.2	37.8#

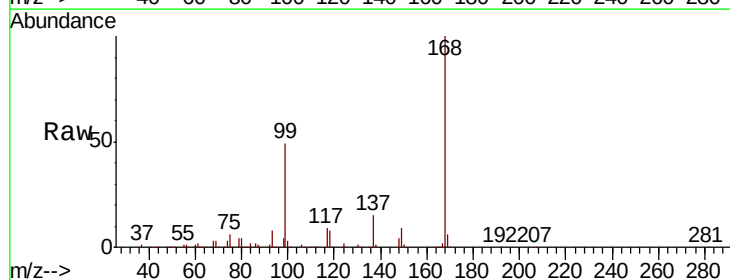


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

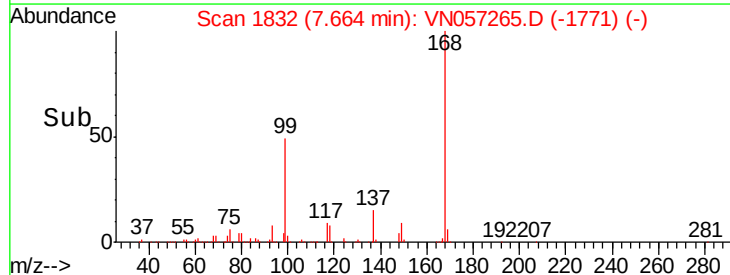
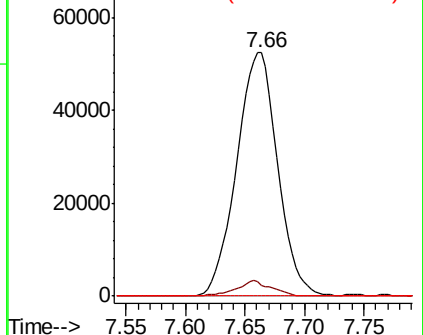


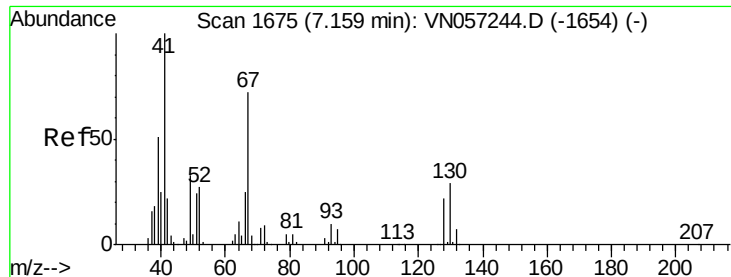
#38
 Carbon Tetrachloride
 Concen: 6.497 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.10 min
 Lab File: VN057265.D
 Acq: 13 Aug 2019 23:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	77.8	116.6#
121	0.0	24.9	37.3#



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

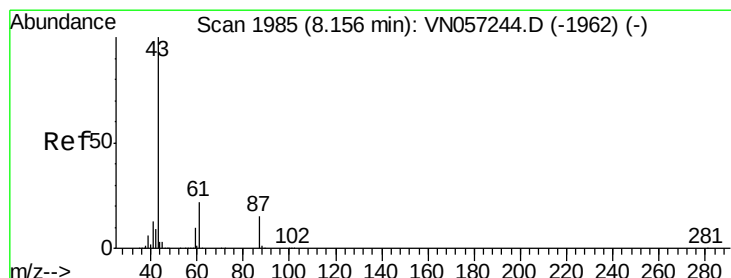
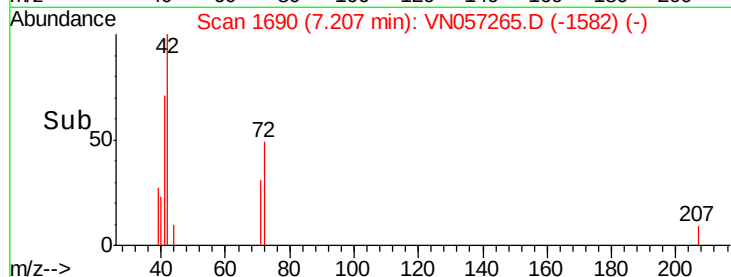
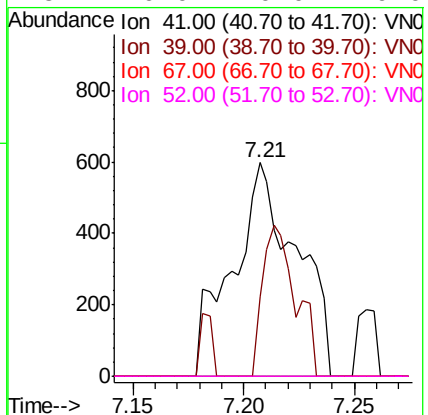
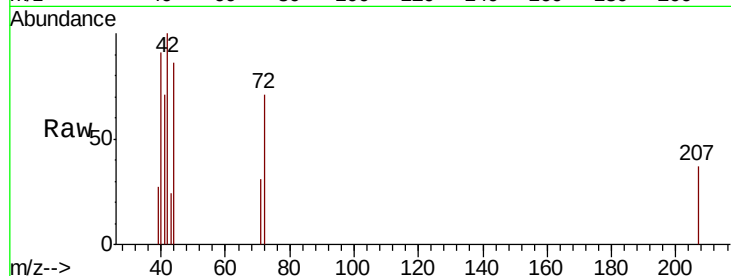




#41
Methacrylonitrile
Concen: 0.201 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.05 min
Lab File: VN057265.D
Acq: 13 Aug 2019 23:03

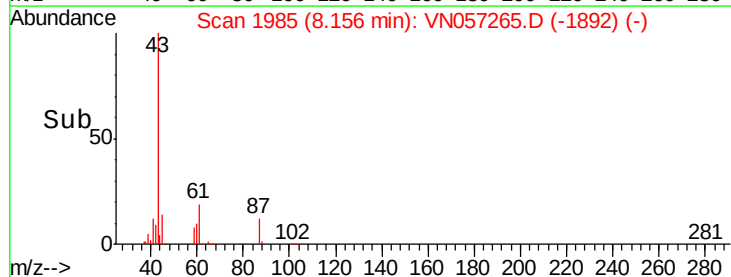
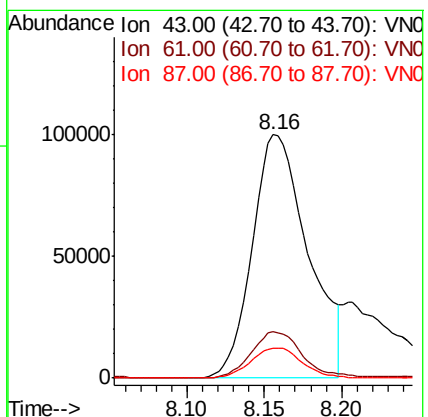
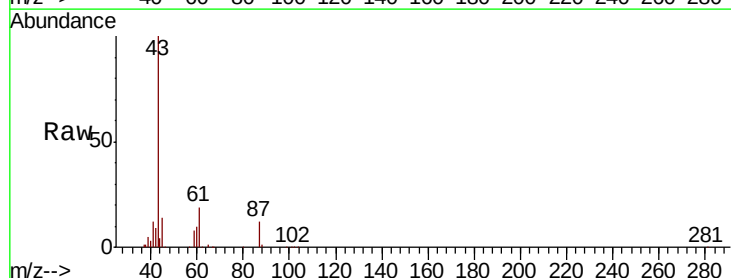
Instrument :
MSVOA_N
ClientSampleId :
R1-R2-A1-(4.3)

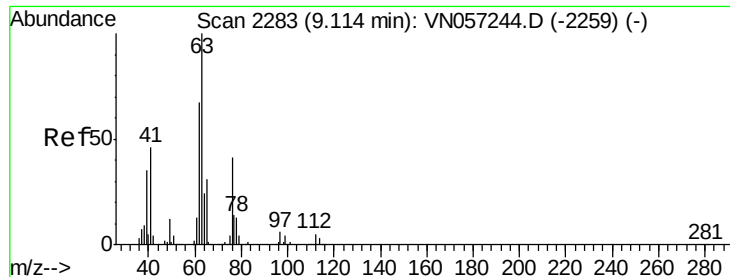
Tgt Ion:	41	Resp:	1203
Ion	Ratio	Lower	Upper
41	100		
39	36.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 10.483 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN057265.D
Acq: 13 Aug 2019 23:03

Tgt Ion:	43	Resp:	251426
Ion	Ratio	Lower	Upper
43	100		
61	17.5	23.5	35.3#
87	11.4	12.1	18.1#

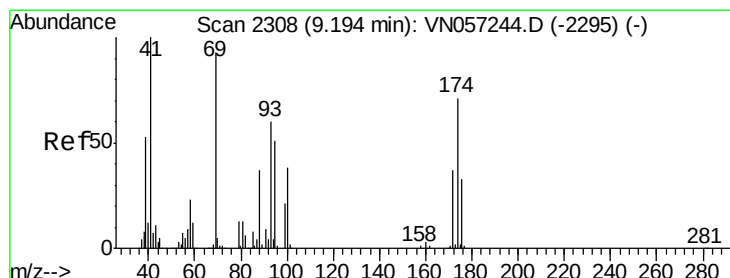
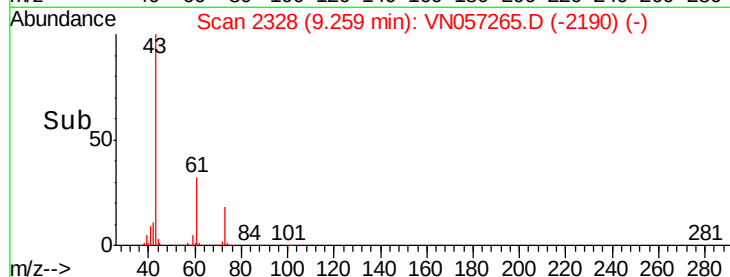
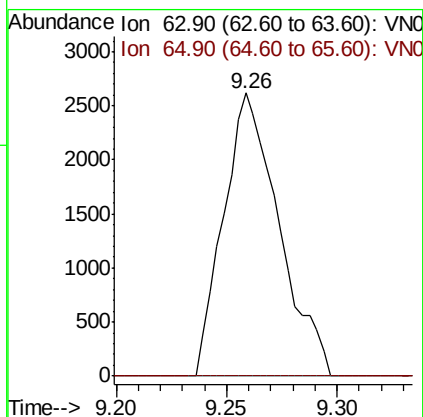
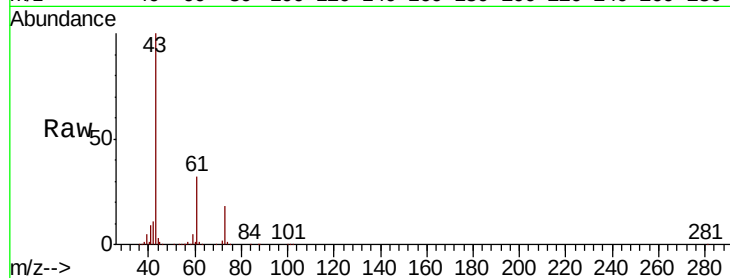




#45
 1,2-Dichloropropane
 Concen: 0.327 ug/l
 RT: 9.26 min Scan# 2328
 Delta R.T. 0.14 min
 Lab File: VN057265.D
 Acq: 13 Aug 2019 23:03

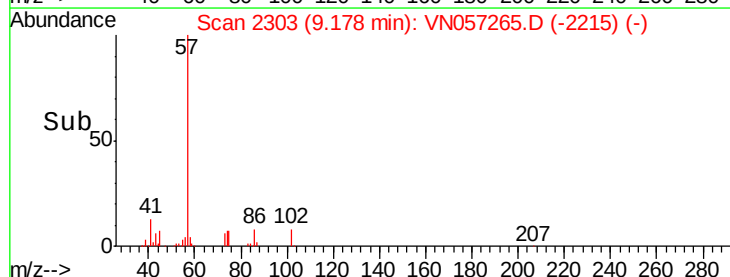
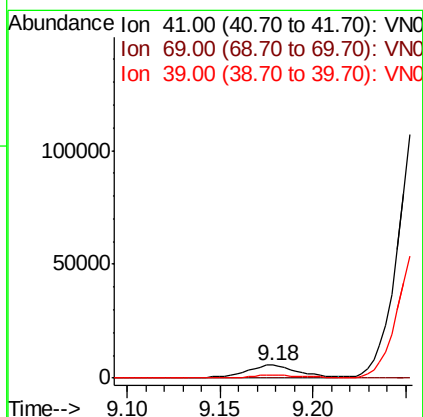
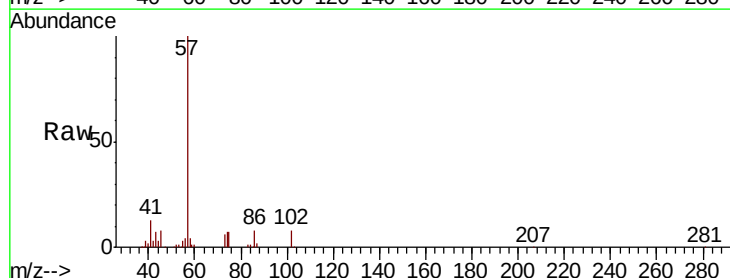
Instrument :
 MSVOA_N
 ClientSampleId :
 R1-R2-A1-(4.3)

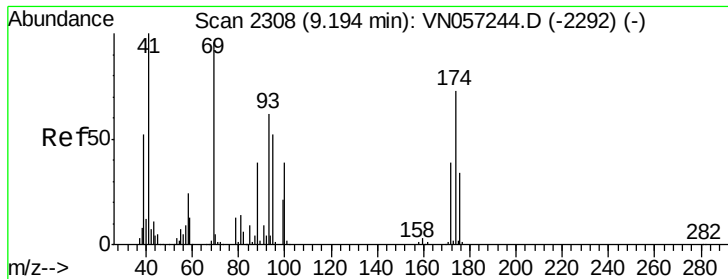
Tgt Ion: 63 Resp: 4566
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#



#48
 Methyl methacrylate
 Concen: 0.995 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN057265.D
 Acq: 13 Aug 2019 23:03

Tgt Ion: 41 Resp: 11037
 Ion Ratio Lower Upper
 41 100
 69 0.0 75.7 113.5#
 39 0.0 43.3 64.9#





#49

1,4-Dioxane

Concen: 1.839 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.06 min

Lab File: VN057265.D

Acq: 13 Aug 2019 23:03

Instrument :

MSVOA_N

ClientSampleId :

R1-R2-A1-(4.3)

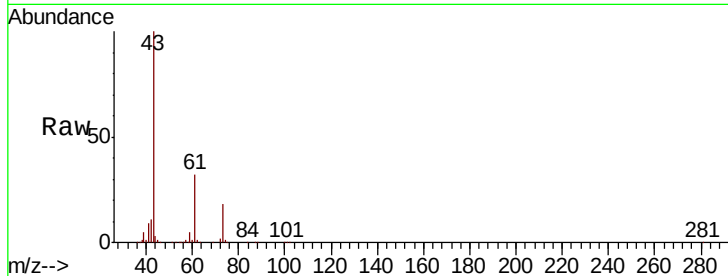
Tgt Ion: 88 Resp: 460

Ion Ratio Lower Upper

88 100

43 710718.9 20.7 31.1#

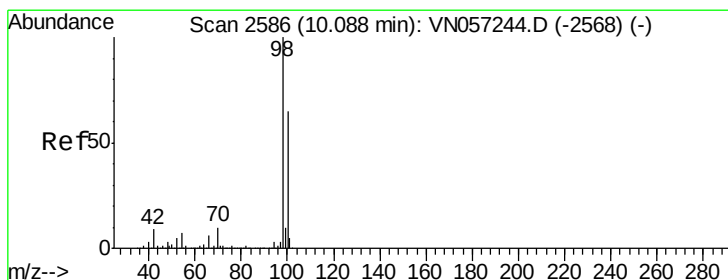
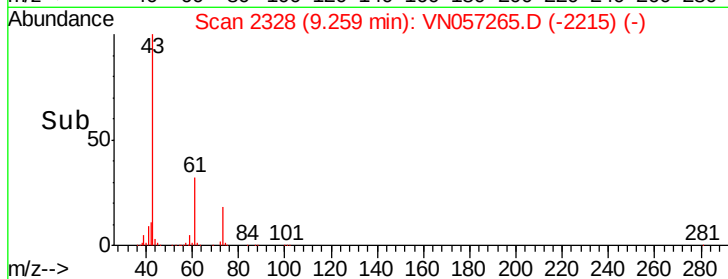
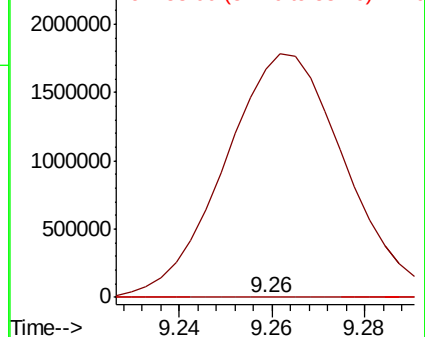
58 3197.0 52.0 78.0#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.599 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057265.D

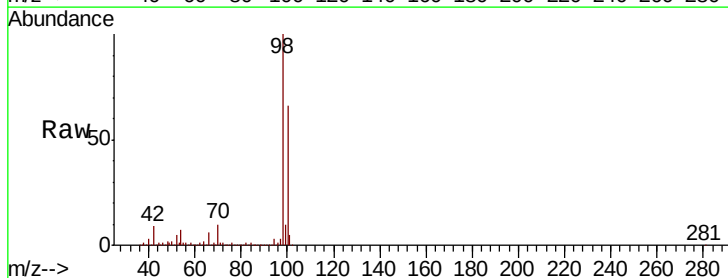
Acq: 13 Aug 2019 23:03

Tgt Ion: 98 Resp: 2393968

Ion Ratio Lower Upper

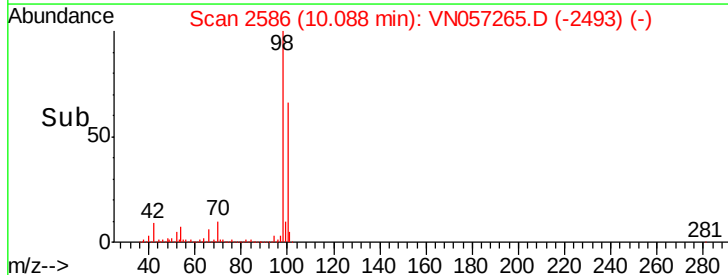
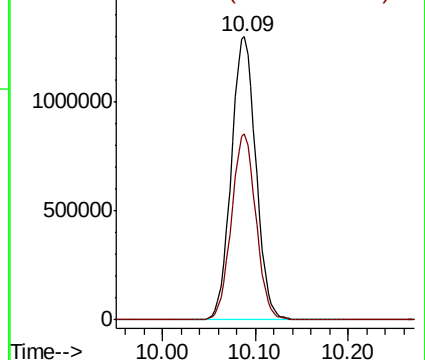
98 100

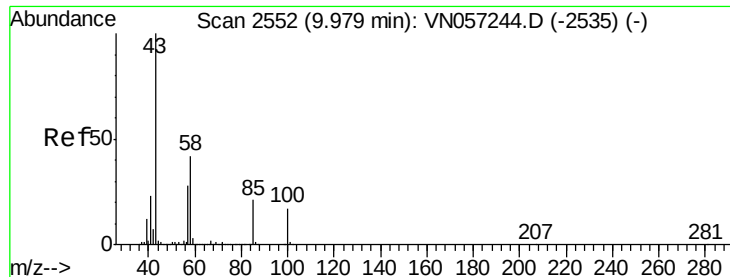
100 65.3 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

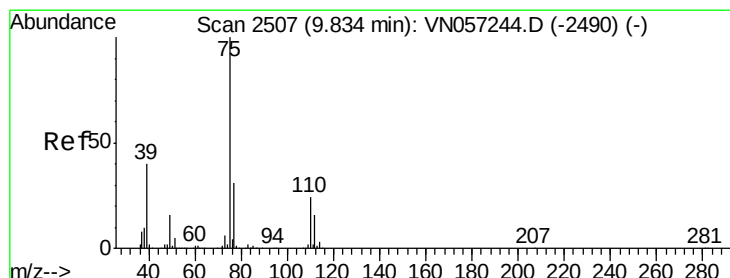
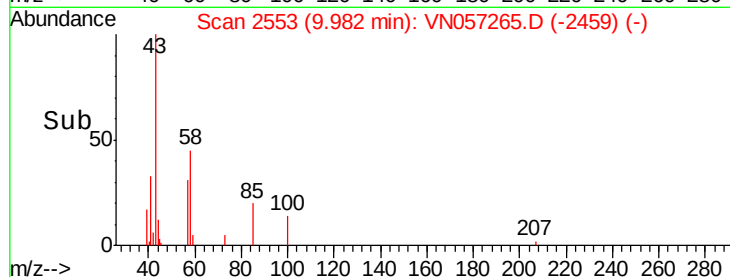
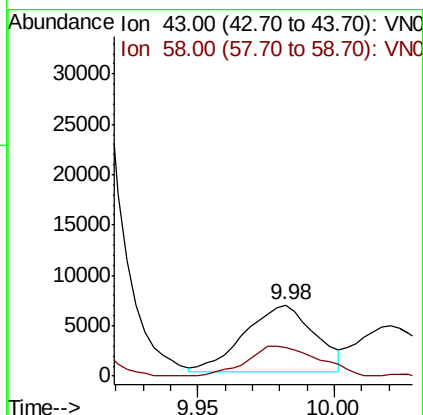
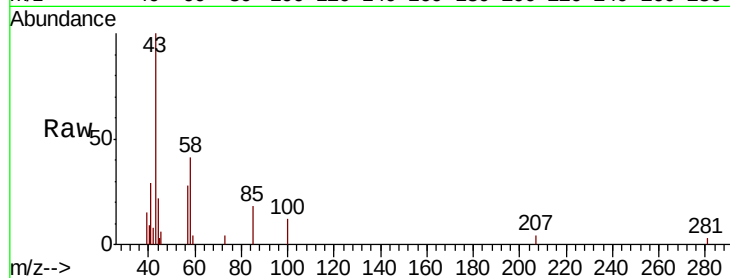




#51
 4-Methyl-2-Pentanone
 Concen: 0.845 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN057265.D
 Acq: 13 Aug 2019 23:03

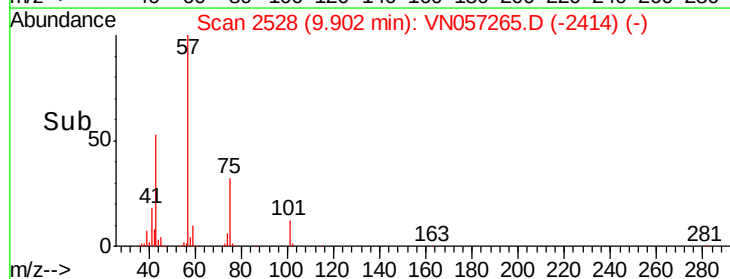
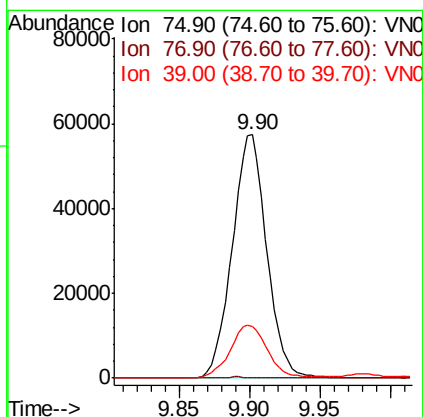
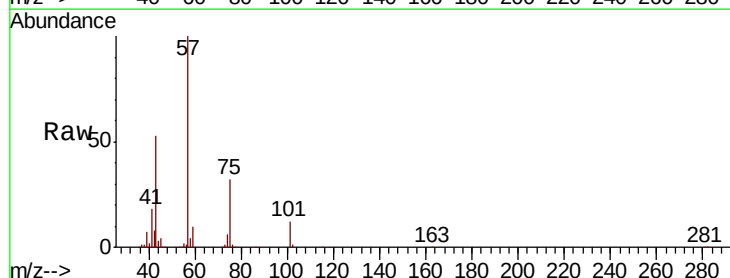
Instrument :
 MSVOA_N
 ClientSampleId :
 R1-R2-A1-(4.3)

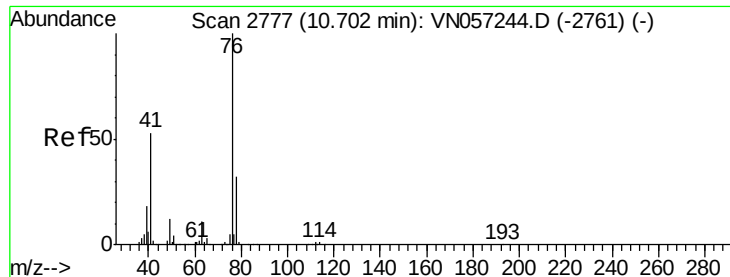
Tgt Ion: 43 Resp: 11906
 Ion Ratio Lower Upper
 43 100
 58 46.0 33.7 50.5



#54
 cis-1,3-Dichloropropene
 Concen: 4.485 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. 0.07 min
 Lab File: VN057265.D
 Acq: 13 Aug 2019 23:03

Tgt Ion: 75 Resp: 98003
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.0 37.6#
 39 21.3 32.3 48.5#





#57

1,3-Dichloropropane

Concen: 0.760 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN057265.D

Acq: 13 Aug 2019 23:03

Instrument :

MSVOA_N

ClientSampleId :

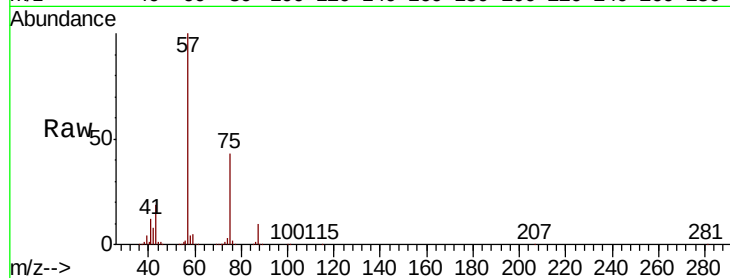
R1-R2-A1-(4.3)

Tgt Ion: 76 Resp: 16755

Ion Ratio Lower Upper

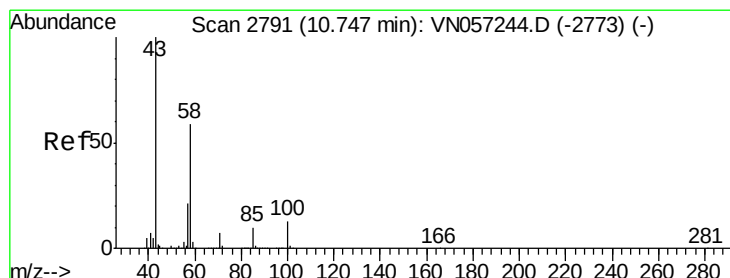
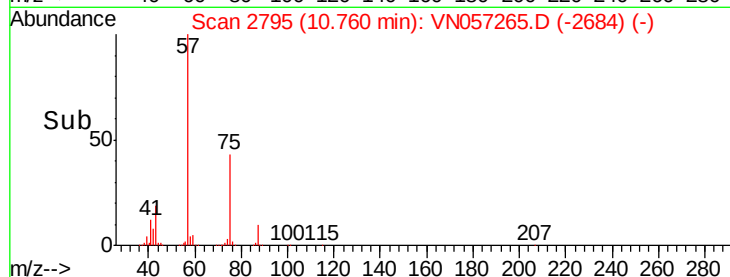
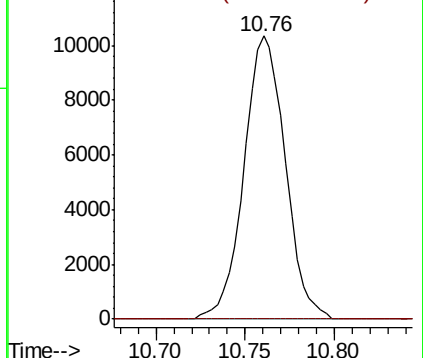
76 100

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: 20.351 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN057265.D

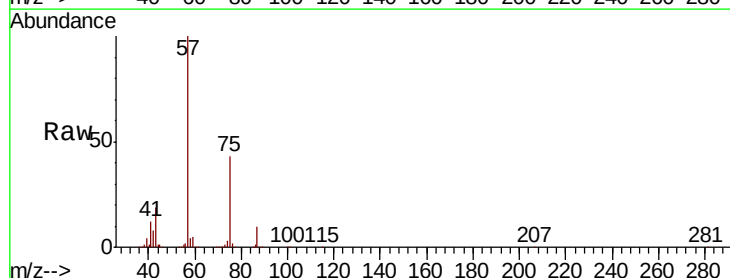
Acq: 13 Aug 2019 23:03

Tgt Ion: 43 Resp: 203366

Ion Ratio Lower Upper

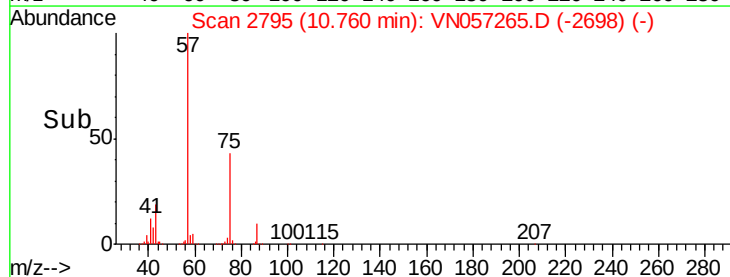
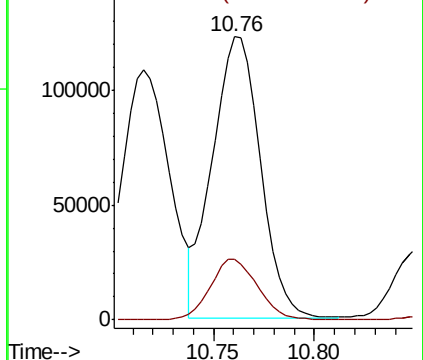
43 100

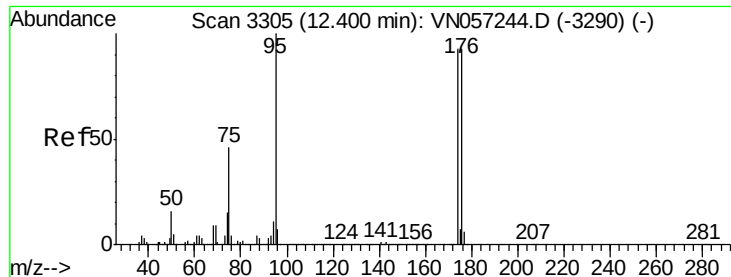
58 21.2 29.1 87.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 38.503 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057265.D

Acq: 13 Aug 2019 23:03

Instrument :

MSVOA_N

ClientSampleId :

R1-R2-A1-(4.3)

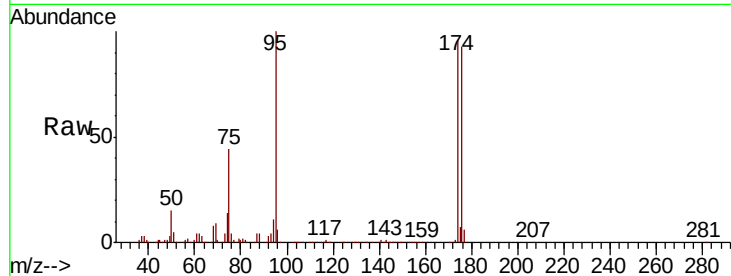
Tgt Ion: 95 Resp: 637324

Ion Ratio Lower Upper

95 100

174 95.1 0.0 187.6

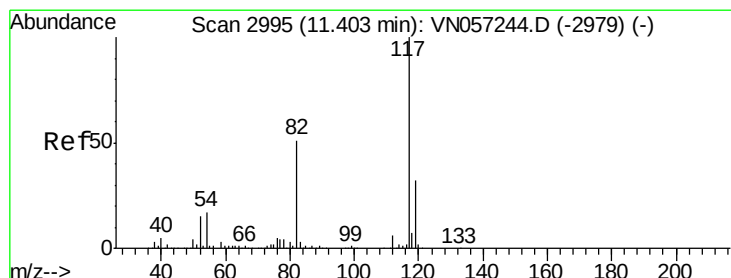
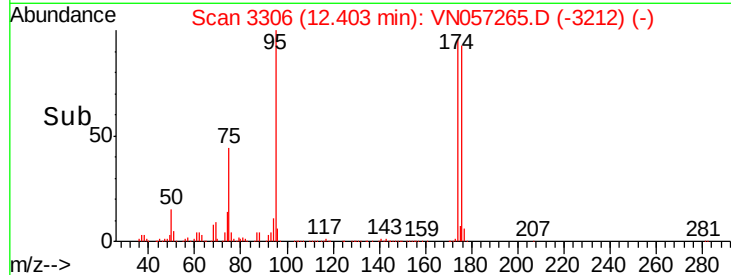
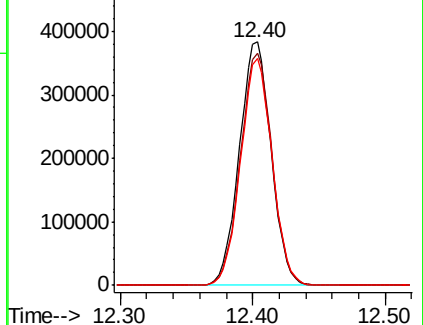
176 92.4 0.0 185.8



Abundance Ion 94.90 (94.60 to 95.60): VN057244.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN057244.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN057244.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057265.D

Acq: 13 Aug 2019 23:03

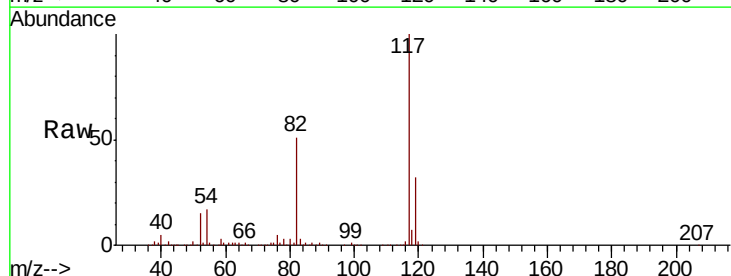
Tgt Ion: 117 Resp: 1730269

Ion Ratio Lower Upper

117 100

82 50.9 40.9 61.3

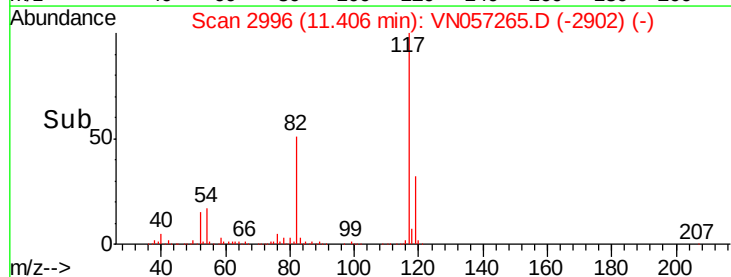
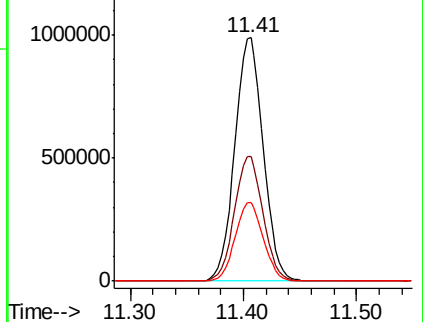
119 32.4 25.4 38.2

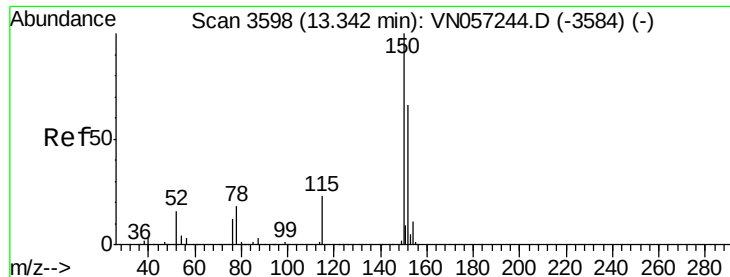


Abundance Ion 116.90 (116.60 to 117.60): VN057244.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN057244.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN057244.D (-2979) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057265.D

Acq: 13 Aug 2019 23:03

Instrument :

MSVOA_N

ClientSampleId :

R1-R2-A1-(4.3)

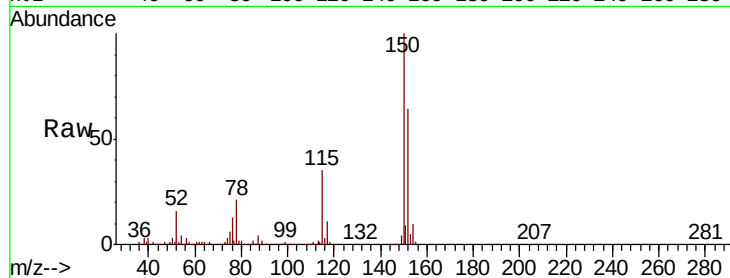
Tgt Ion:152 Resp: 437997

Ion Ratio Lower Upper

152 100

115 54.6 27.6 82.8

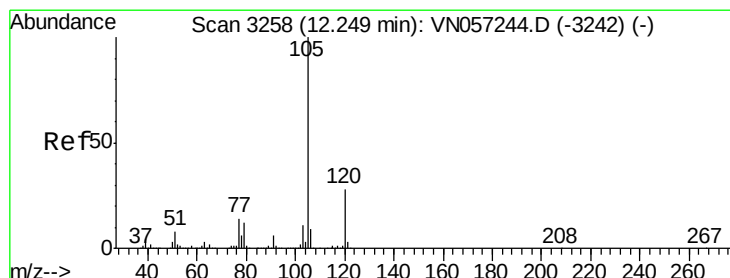
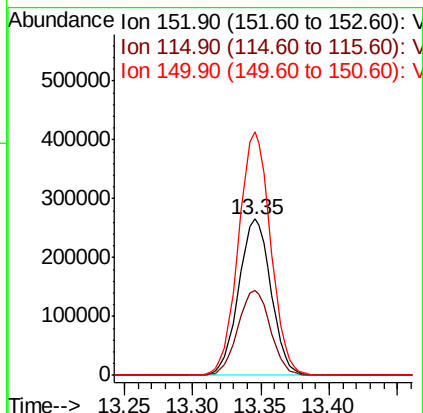
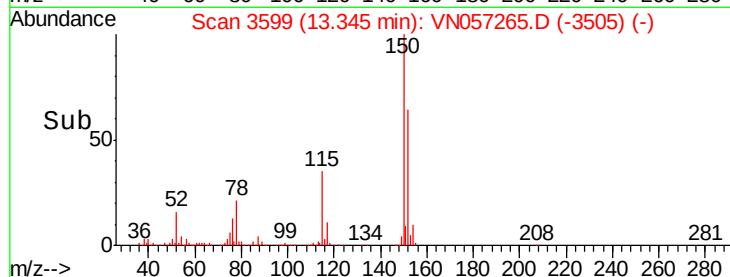
150 154.9 0.0 348.4



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: VN057265.D

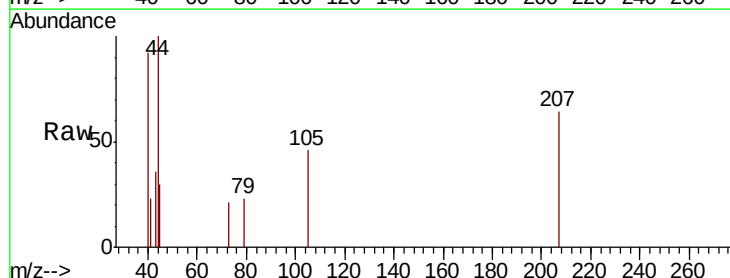
Acq: 13 Aug 2019 23:03

Tgt Ion:105 Resp: 215

Ion Ratio Lower Upper

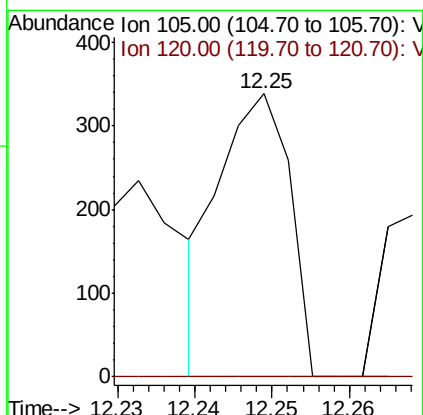
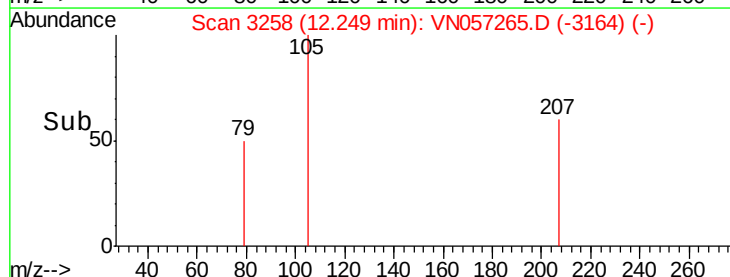
105 100

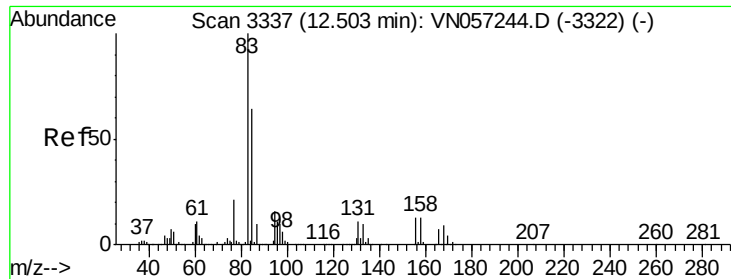
120 0.0 13.8 41.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.10 min

Lab File: VN057265.D

Acq: 13 Aug 2019 23:03

Instrument :

MSVOA_N

ClientSampleId :

R1-R2-A1-(4.3)

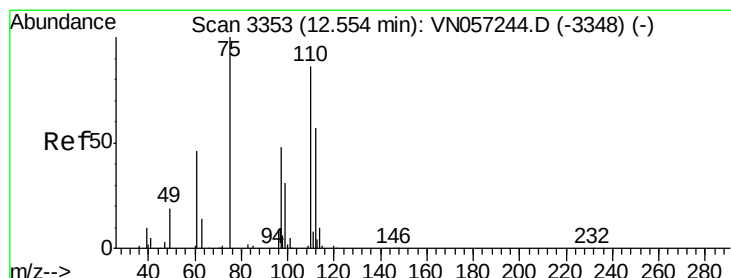
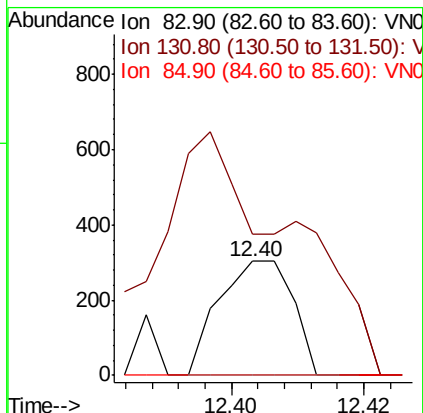
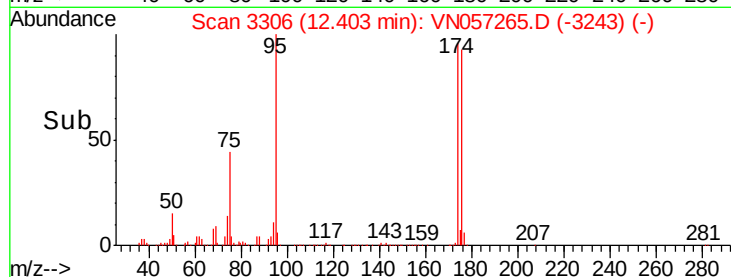
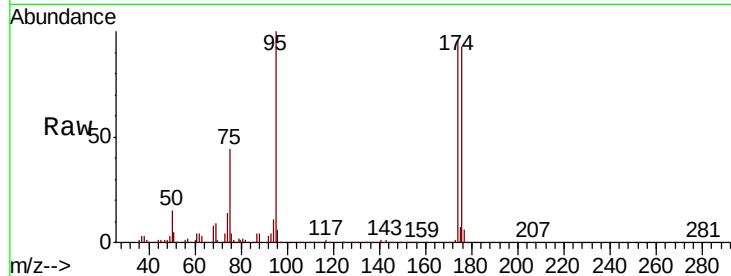
Tgt Ion: 83 Resp: 235

Ion Ratio Lower Upper

83 100

131 391.5 5.6 16.8#

85 0.0 32.3 96.8#



#76

1,2,3-Trichloropropane

Concen: 36.693 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN057265.D

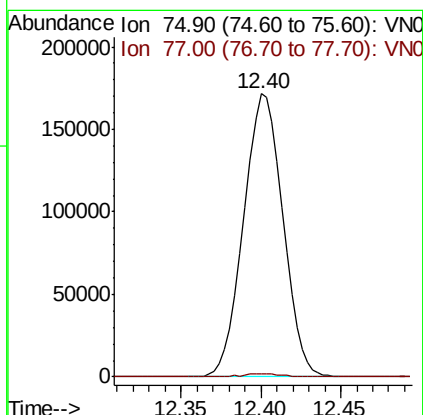
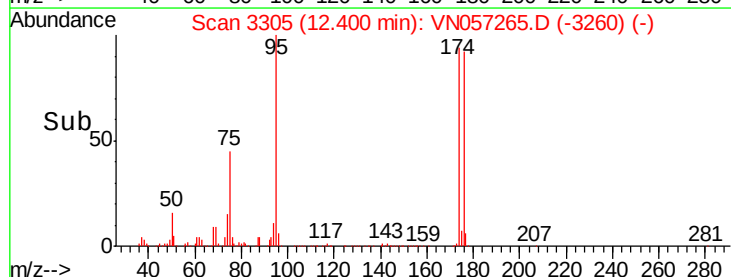
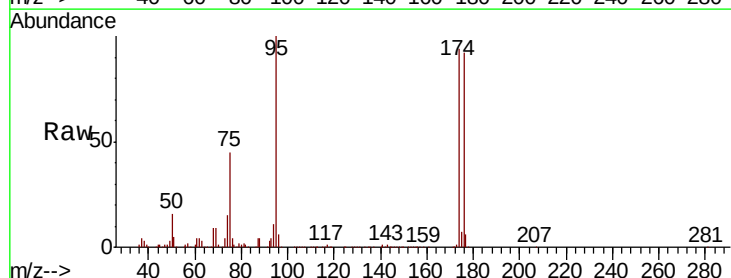
Acq: 13 Aug 2019 23:03

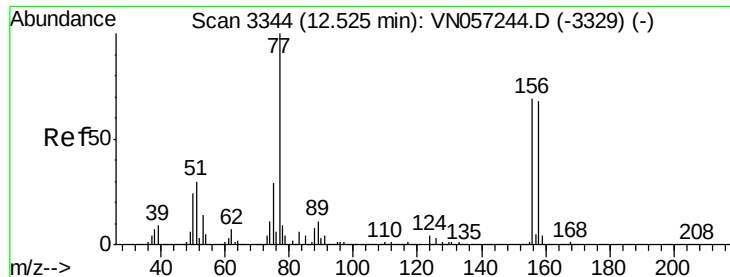
Tgt Ion: 75 Resp: 288482

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#77

Bromobenzene

Concen: Below Cal

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN057265.D

Acq: 13 Aug 2019 23:03

Instrument :

MSVOA_N

ClientSampleId :

R1-R2-A1-(4.3)

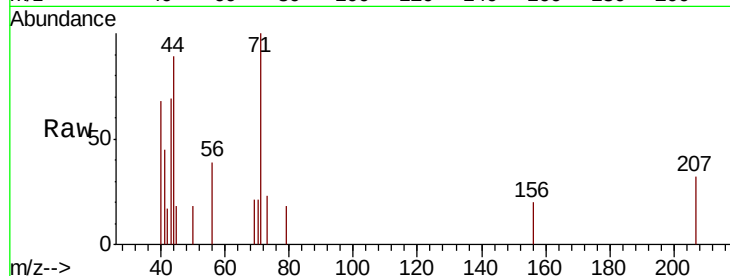
Tgt Ion: 156 Resp: 97

Ion Ratio Lower Upper

156 100

77 127.8 88.0 264.1

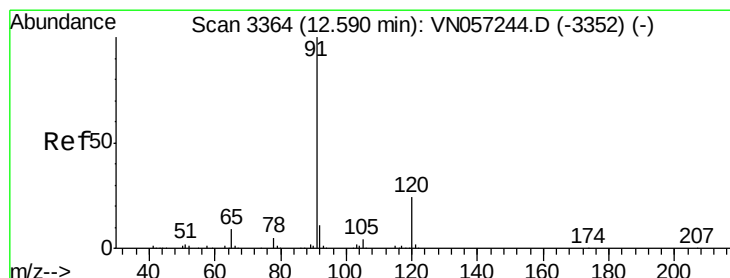
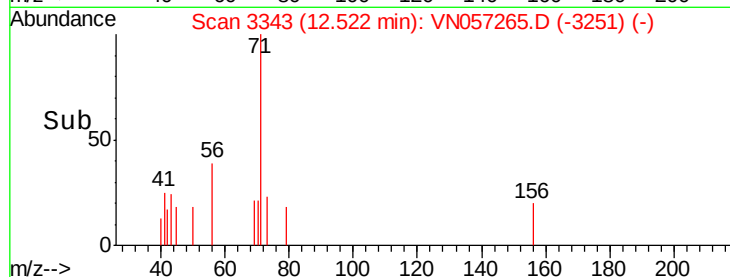
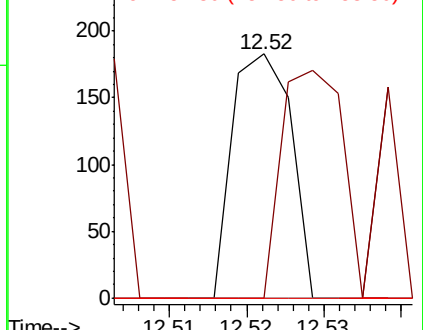
158 0.0 49.4 148.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: Below Cal

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN057265.D

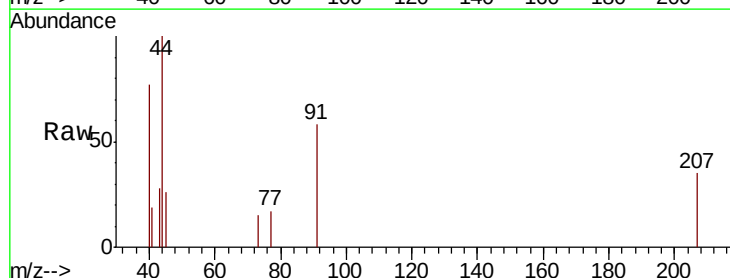
Acq: 13 Aug 2019 23:03

Tgt Ion: 91 Resp: 565

Ion Ratio Lower Upper

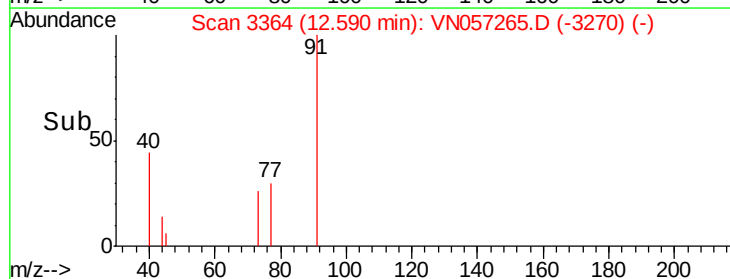
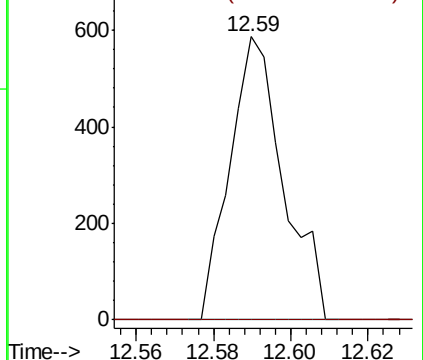
91 100

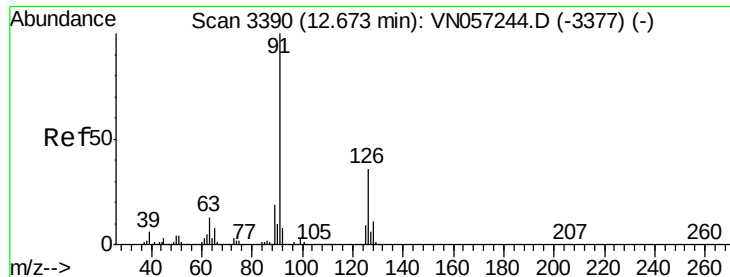
120 0.0 12.1 36.3#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

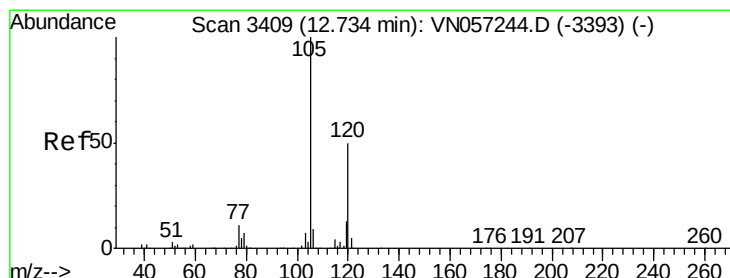
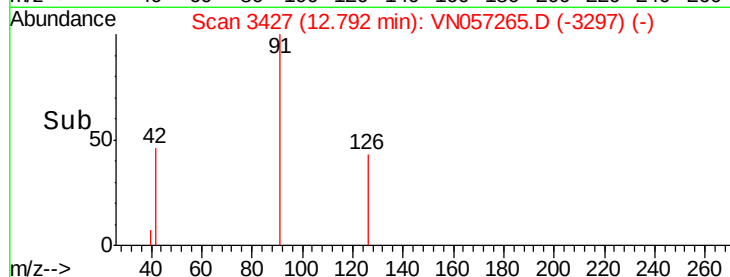
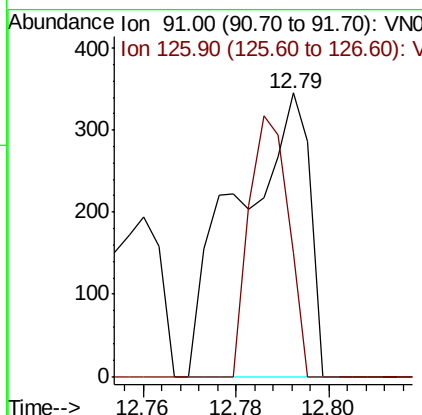
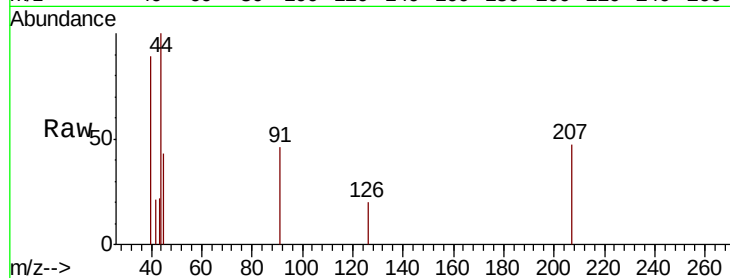




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.79 min Scan# 3427
 Delta R.T. 0.12 min
 Lab File: VN057265.D
 Acq: 13 Aug 2019 23:03

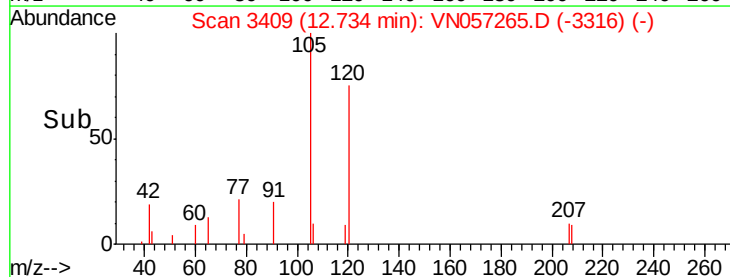
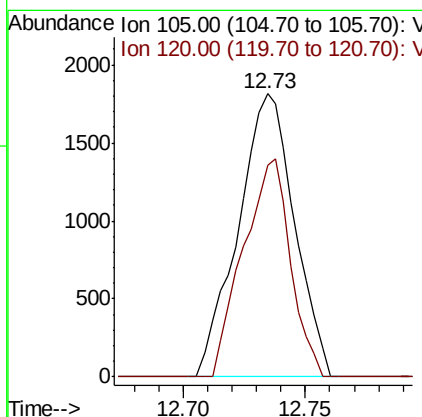
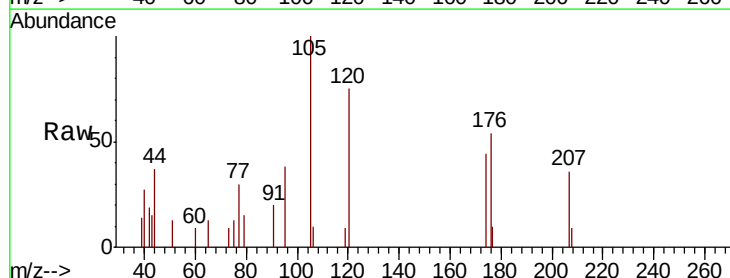
Instrument :
 MSVOA_N
 ClientSampleId :
 R1-R2-A1-(4.3)

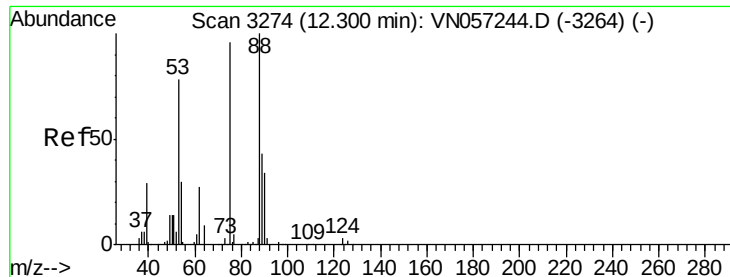
Tgt Ion: 91 Resp: 370
 Ion Ratio Lower Upper
 91 100
 126 50.5 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN057265.D
 Acq: 13 Aug 2019 23:03

Tgt Ion: 105 Resp: 2903
 Ion Ratio Lower Upper
 105 100
 120 64.5 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 88.467 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN057265.D

Acq: 13 Aug 2019 23:03

Instrument :

MSVOA_N

ClientSampleId :

R1-R2-A1-(4.3)

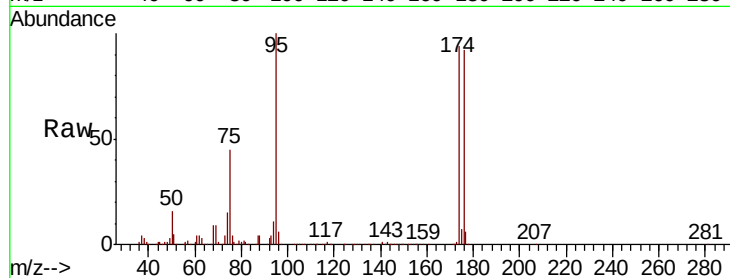
Tgt Ion: 75 Resp: 288482

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.6#

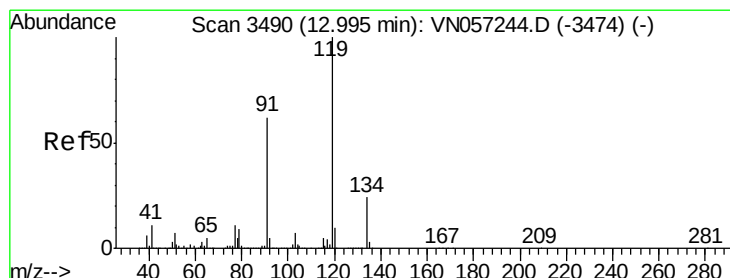
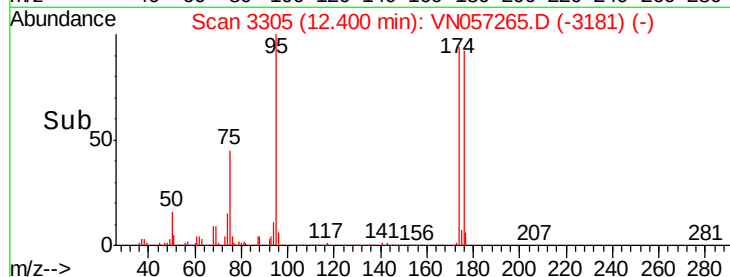
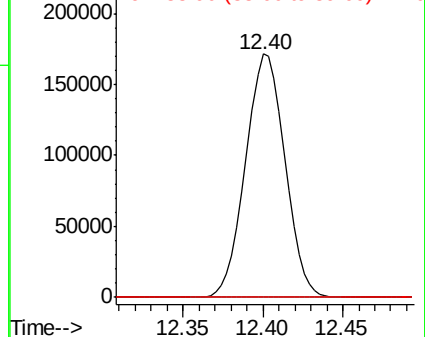
89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VN057265.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN057265.D (-3305) (-)

Ion 88.90 (88.60 to 89.60): VN057265.D (-3305) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057265.D

Acq: 13 Aug 2019 23:03

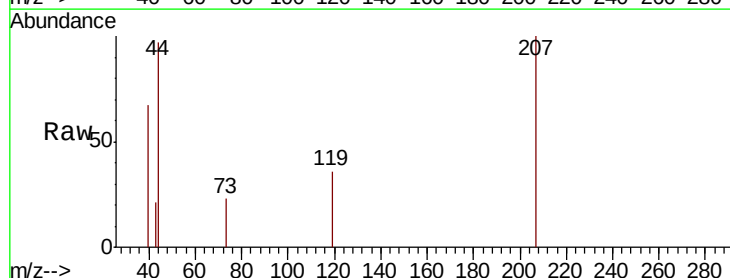
Tgt Ion: 119 Resp: 288

Ion Ratio Lower Upper

119 100

91 0.0 30.8 92.3#

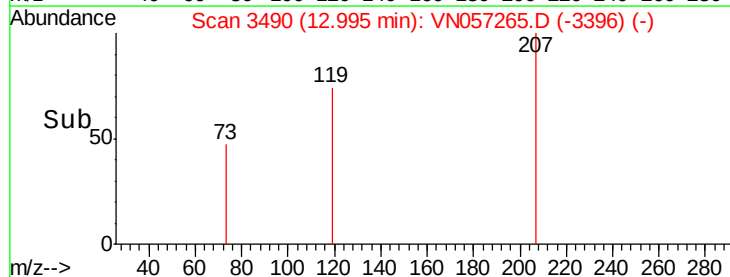
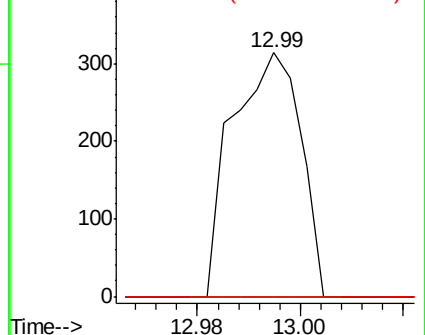
134 0.0 12.9 38.7#

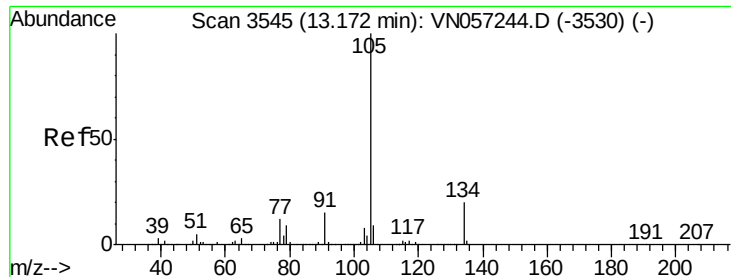


Abundance Ion 119.00 (118.70 to 119.70): VN057265.D (-3396) (-)

Ion 91.00 (90.70 to 91.70): VN057265.D (-3396) (-)

Ion 134.00 (133.70 to 134.70): VN057265.D (-3396) (-)

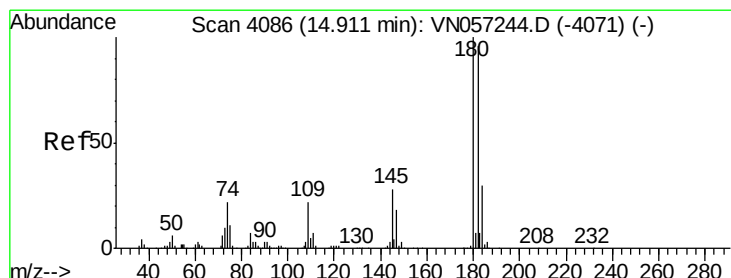
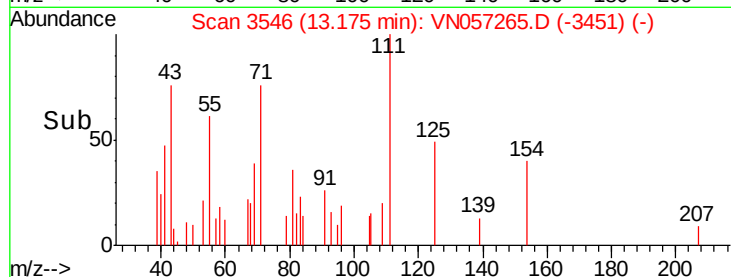
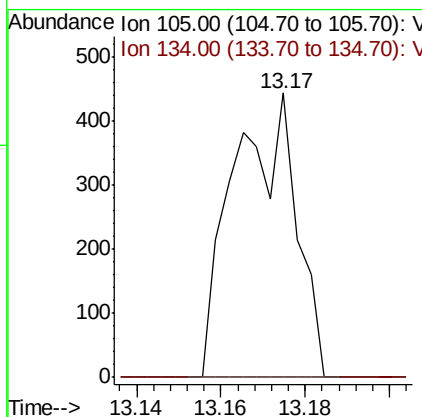
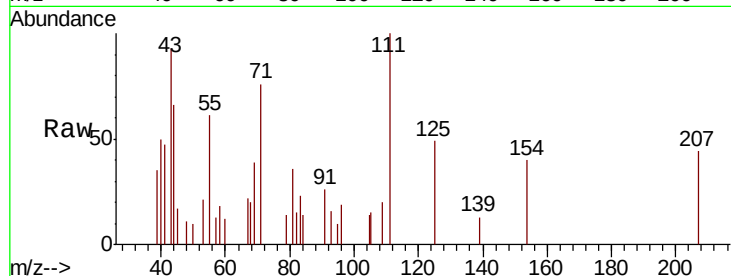




#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057265.D
 Acq: 13 Aug 2019 23:03

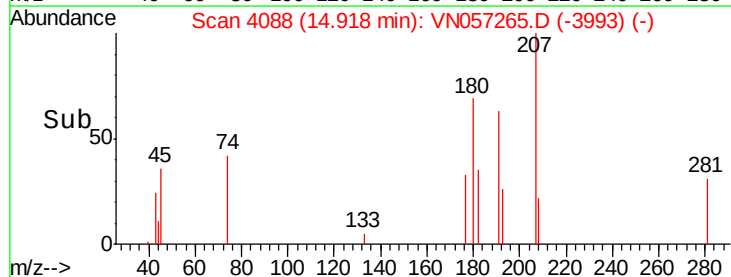
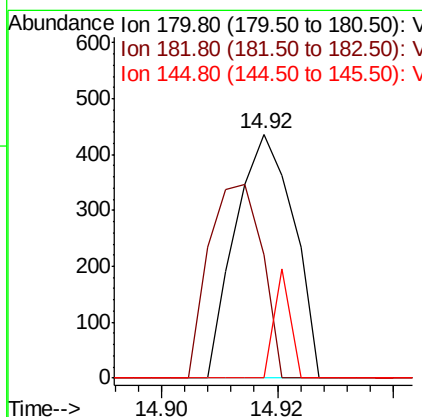
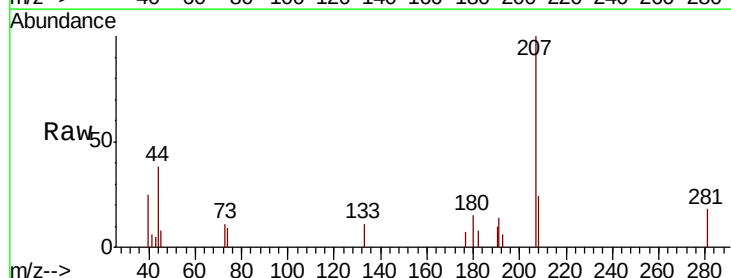
Instrument :
 MSVOA_N
 ClientSampleId :
 R1-R2-A1-(4.3)

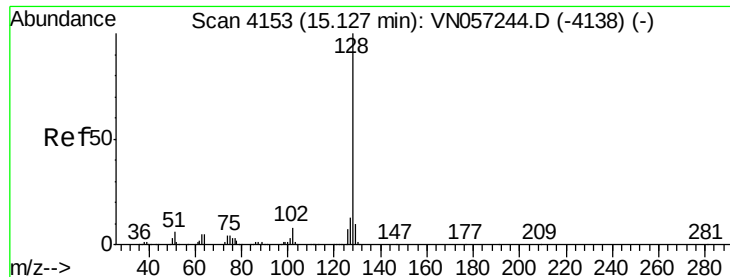
Tgt Ion:105 Resp: 454
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.295 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.01 min
 Lab File: VN057265.D
 Acq: 13 Aug 2019 23:03

Tgt Ion:180 Resp: 303
 Ion Ratio Lower Upper
 180 100
 182 72.6 47.7 143.1
 145 12.5 14.2 42.6#

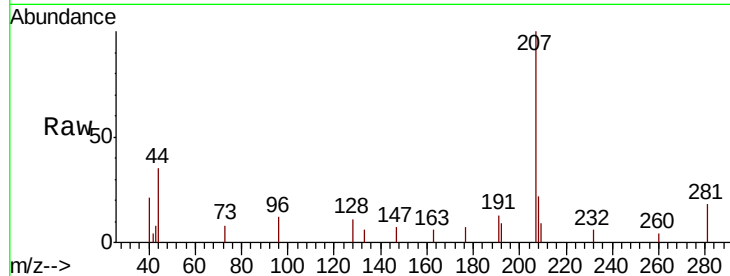




#95
Naphthalene
Concen: Below Cal
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057265.D
Acq: 13 Aug 2019 23:03

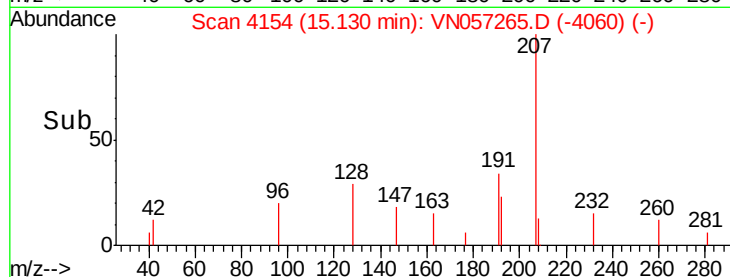
Instrument :
MSVOA_N
ClientSampleId :
R1-R2-A1-(4.3)

Tgt Ion:128 Resp: 320
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.5 12.7#

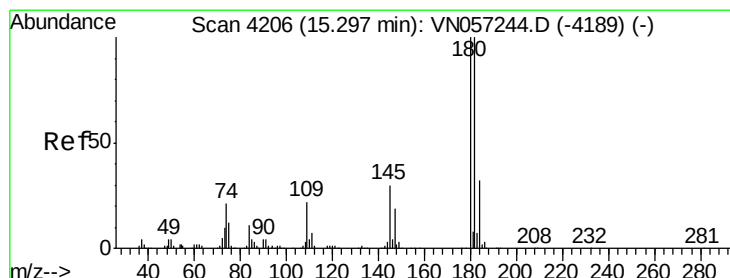


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

15.13

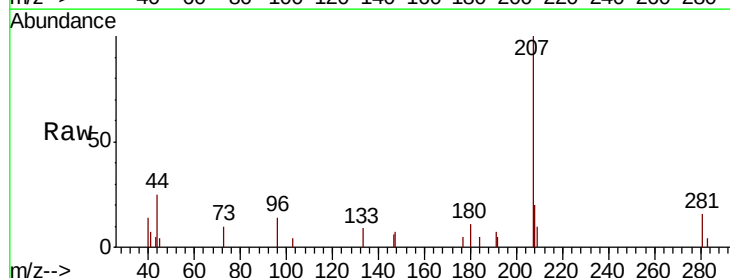


Time--> 15.10 15.12 15.14



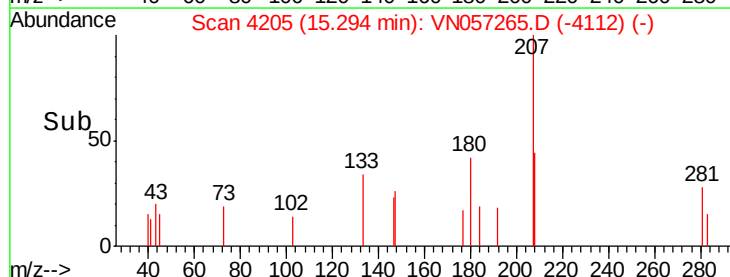
#96
1,2,3-Trichlorobenzene
Concen: 4.313 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. -0.00 min
Lab File: VN057265.D
Acq: 13 Aug 2019 23:03

Tgt Ion:180 Resp: 433
Ion Ratio Lower Upper
180 100
182 0.0 48.9 146.7#
145 0.0 15.0 45.1#



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

15.29



Time--> 15.26 15.28 15.30