

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082619\
 Data File : VN057523.D
 Acq On : 26 Aug 2019 20:47
 Operator : JC/SP
 Sample : K4493-25
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T9-12-13-H-(1.9)

Quant Time: Aug 27 07:18:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	363212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	623480	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	554869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	129125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	301171	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
35) Dibromofluoromethane	7.57	113	199695	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	
50) Toluene-d8	10.08	98	848060	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
62) 4-Bromofluorobenzene	12.40	95	229938	42.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.22%	

Target Compounds

					Qvalue	
8) Diethyl Ether	3.38	74	758	Below Cal		60
9) 1,1,2-Trichlorotrifluoroet	3.59	101	59	Below Cal	#	49
11) Tert butyl alcohol	4.79	59	358	0.451	ug/l #	52
13) Acrolein	3.58	56	229	0.328	ug/l #	42
16) Acetone	3.80	43	11415	3.890	ug/l	97
18) Methyl Acetate	4.31	43	14498	1.362	ug/l #	72
20) Methylene Chloride	4.53	84	9997	2.226	ug/l	88
25) 2-Butanone	6.83	43	1693	0.531	ug/l #	53
29) Tetrahydrofuran	7.20	42	607	0.289	ug/l #	49
31) Cyclohexane	7.64	56	11316	1.261	ug/l #	42
36) 1,1-Dichloropropene	7.65	75	36859	5.786	ug/l #	50
38) Carbon Tetrachloride	7.65	117	39545	6.248	ug/l #	14
43) Isopropyl Acetate	8.16	43	83019	7.192	ug/l	99
46) Dibromomethane	9.11	93	64	Below Cal	#	10
48) Methyl methacrylate	9.17	41	5424	0.988	ug/l #	18
49) 1,4-Dioxane	9.27	88	128	1.803	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	8166	1.269	ug/l	98
54) cis-1,3-Dichloropropene	9.90	75	36180	4.367	ug/l #	66
57) 1,3-Dichloropropane	10.77	76	4496	0.580	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.58	63	138	17.130	ug/l #	52
59) 2-Hexanone	10.76	43	80908	18.337	ug/l #	54
71) Bromoform	12.40	173	2070	0.712	ug/l #	1
73) Isopropylbenzene	12.24	105	155	Below Cal	#	50
74) N-ethyl acetate	12.03	43	4526	Below Cal	#	51
75) 1,1,2,2-Tetrachloroethane	12.54	83	31	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	130656	45.368	ug/l #	100
78) n-propylbenzene	12.58	91	299	Below Cal	#	55
79) 2-Chlorotoluene	12.67	91	271	Below Cal		91
80) 1,3,5-Trimethylbenzene	12.74	105	1012	Below Cal		74
81) trans-1,4-Dichloro-2-buten	12.40	75	130656	116.240	ug/l #	9
82) 4-Chlorotoluene	12.67	91	271	Below Cal		92
83) tert-Butylbenzene	13.00	119	62	Below Cal	#	1
85) sec-Butylbenzene	13.17	105	131	Below Cal	#	58
90) Hexachloroethane	13.85	117	29	Below Cal	#	17

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QLast Update : Fri Aug 23 05:07:29 2019
Response via : Initial Calibration

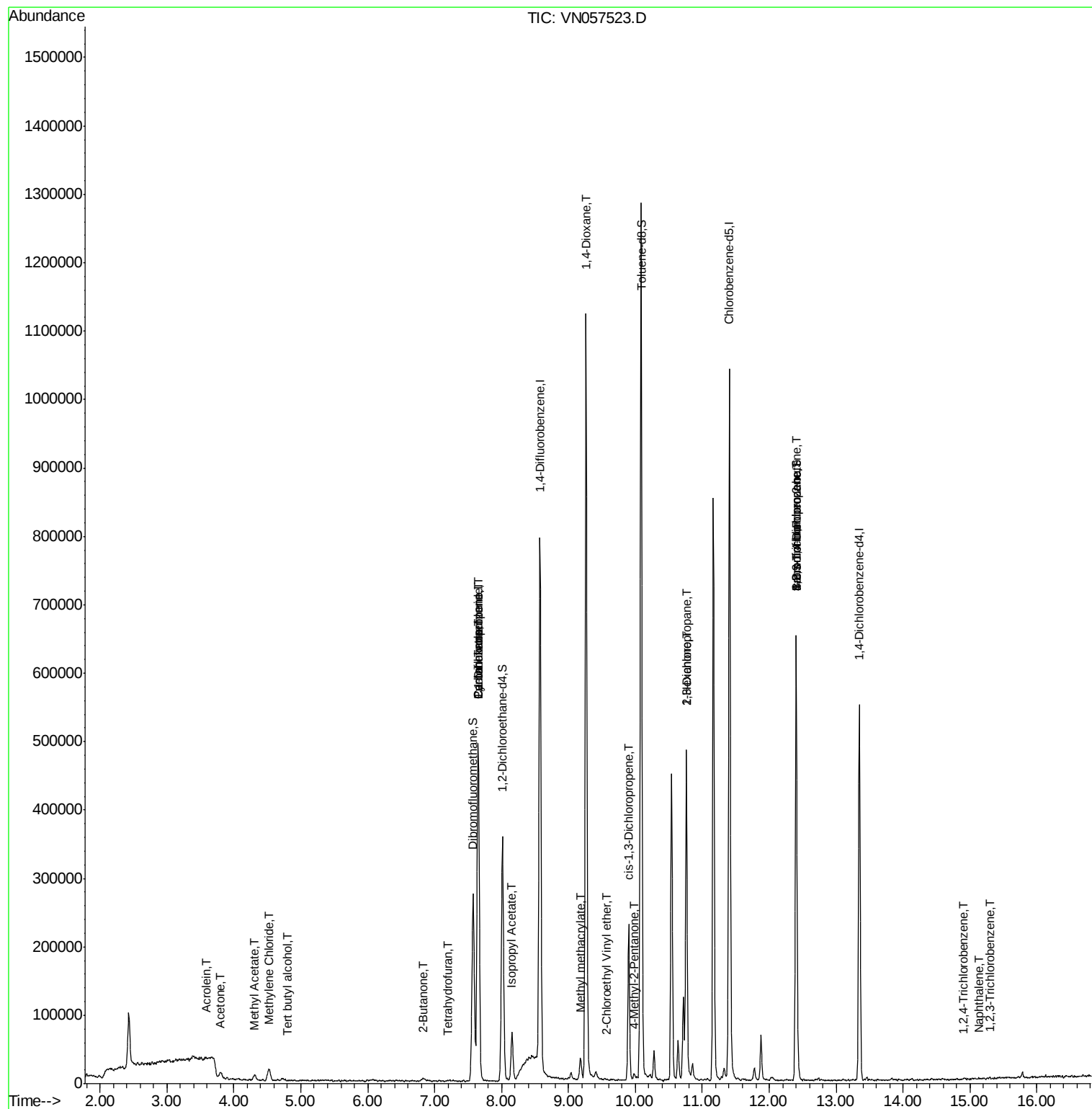
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.42	75	36	Below Cal	#	11
93) 1,2,4-Trichlorobenzene	14.91	180	163	5.462	ug/l #	13
95) Naphthalene	15.13	128	725	4.468	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.30	180	141	5.194	ug/l #	78

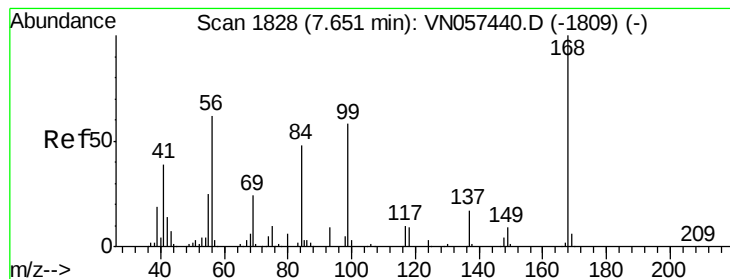
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057523.D

Acq: 26 Aug 2019 20:47

Instrument :

MSVOA_N

ClientSampleId :

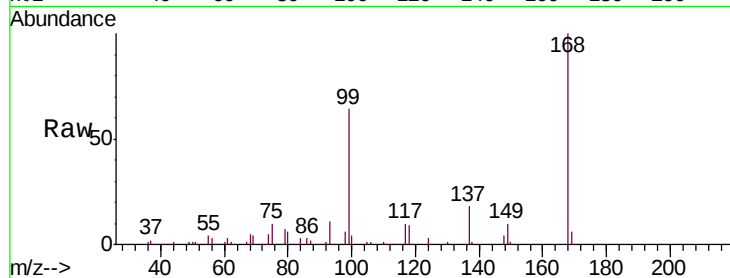
T9-12-13-H-(1.9)

Tgt Ion:168 Resp: 363212

Ion Ratio Lower Upper

168 100

99 64.1 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): VN057440.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057440.D (-1809) (-)

7.65

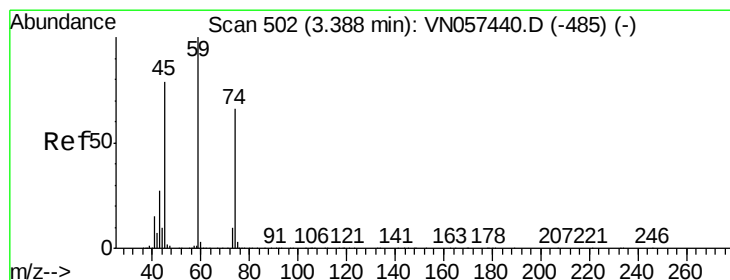
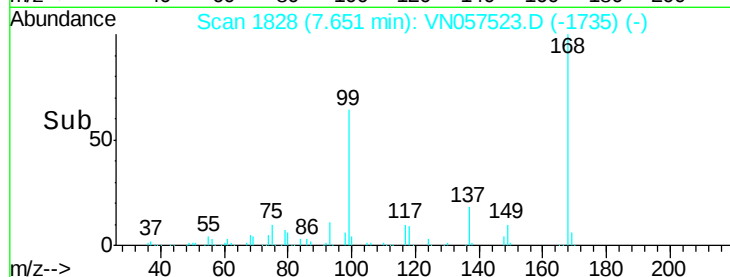
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 3.38 min Scan# 501

Delta R.T. -0.00 min

Lab File: VN057523.D

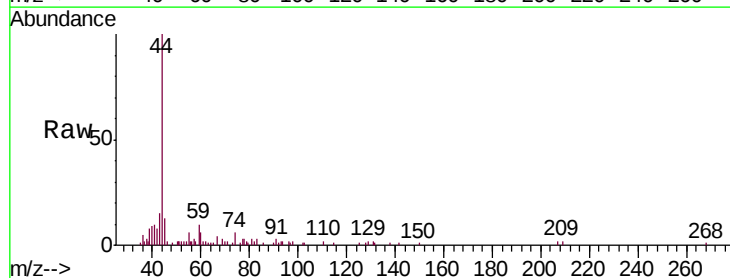
Acq: 26 Aug 2019 20:47

Tgt Ion: 74 Resp: 758

Ion Ratio Lower Upper

74 100

45 159.2 57.9 173.6



Abundance Ion 74.00 (73.70 to 74.70): VN057440.D (-485) (-)

Ion 45.00 (44.70 to 45.70): VN057440.D (-485) (-)

3.38

3000

2500

2000

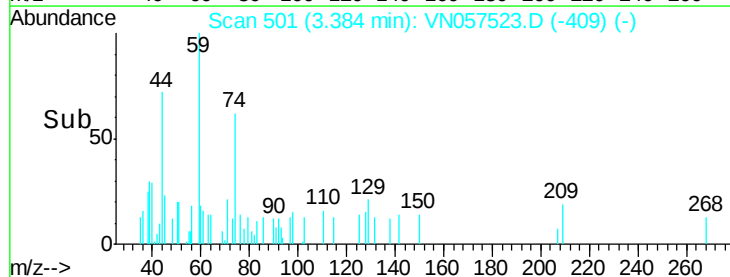
1500

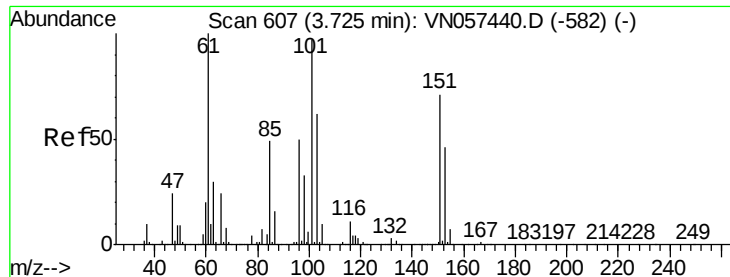
1000

500

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 3.59 min Scan# 565

Delta R.T. -0.14 min

Lab File: VN057523.D

Acq: 26 Aug 2019 20:47

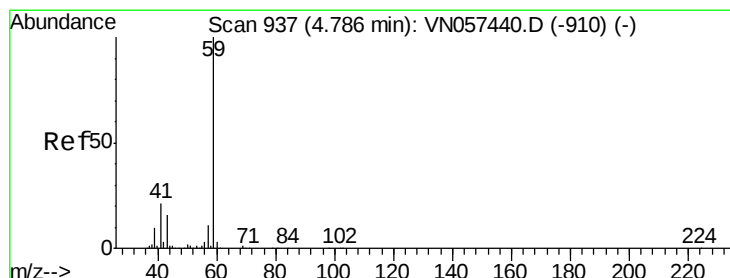
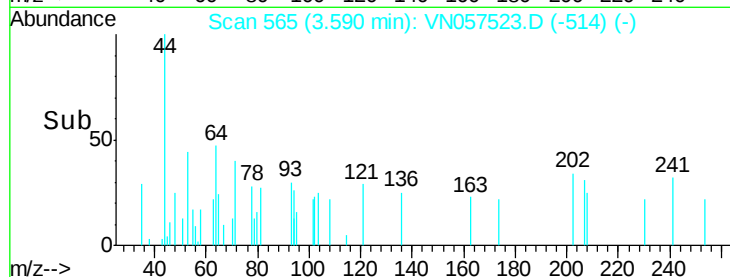
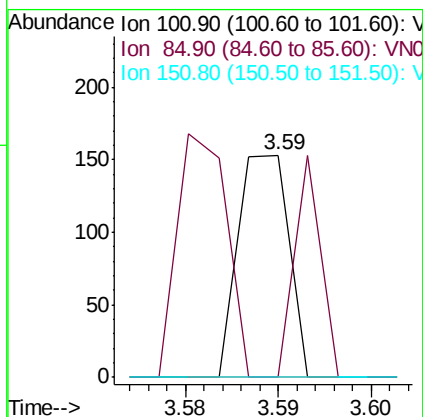
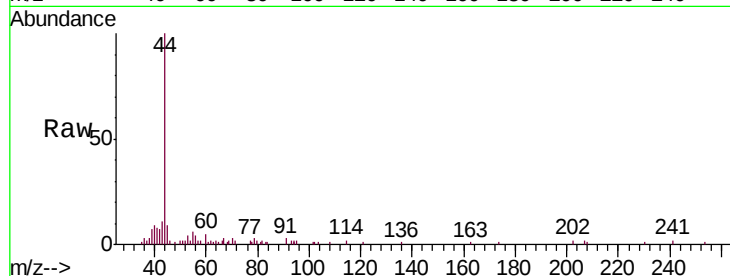
Instrument :

MSVOA_N

ClientSampleId :

T9-12-13-H-(1.9)

Tgt Ion:	101	Resp:	59
Ion Ratio	Lower	Upper	
101	100		
85	50.8	40.0	60.0
151	0.0	57.0	85.6#



#11

Tert butyl alcohol

Concen: 0.451 ug/l

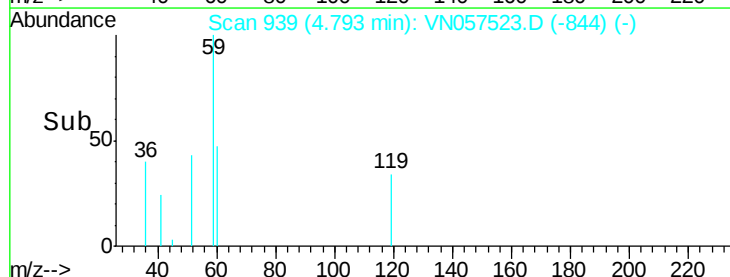
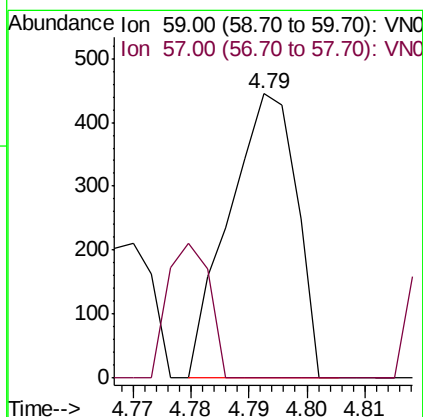
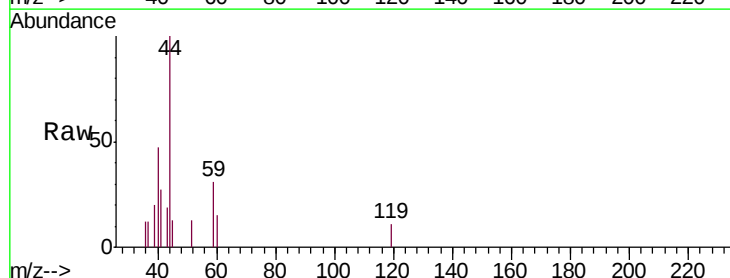
RT: 4.79 min Scan# 939

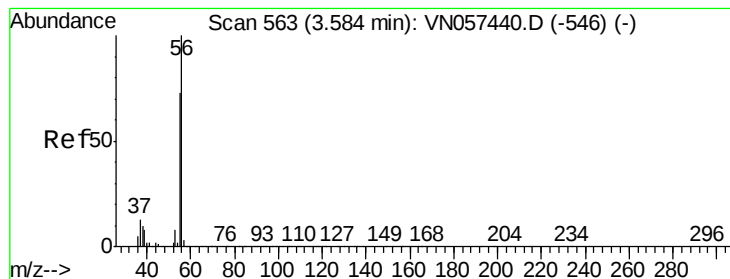
Delta R.T. 0.01 min

Lab File: VN057523.D

Acq: 26 Aug 2019 20:47

Tgt Ion:	59	Resp:	358
Ion Ratio	Lower	Upper	
59	100		
57	29.9	9.1	13.7#





#13

Acrolein

Concen: 0.328 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057523.D

Acq: 26 Aug 2019 20:47

Instrument :

MSVOA_N

ClientSampleId :

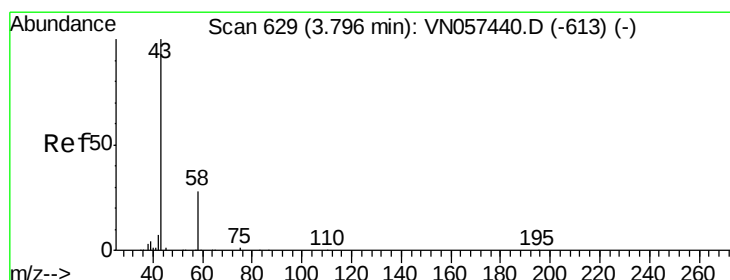
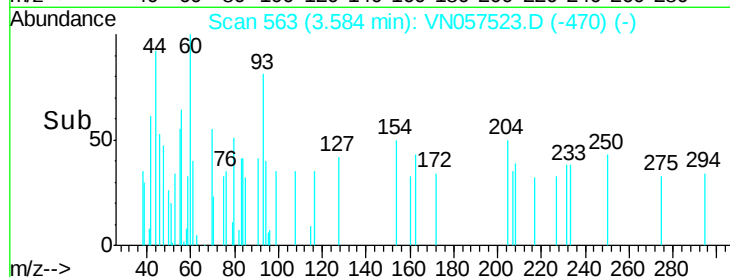
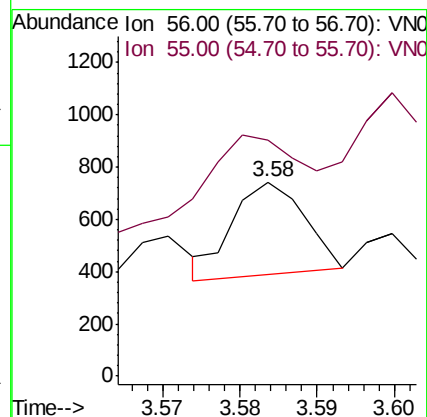
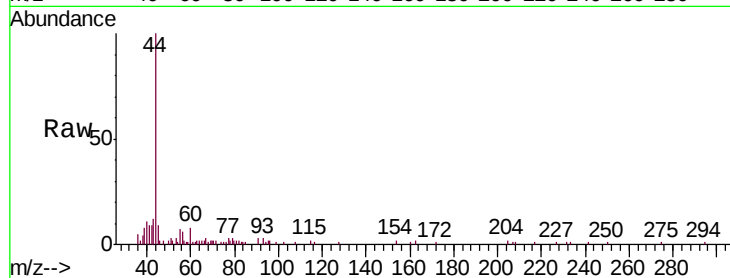
T9-12-13-H-(1.9)

Tgt Ion: 56 Resp: 229

Ion Ratio Lower Upper

56 100

55 122.7 59.0 88.4#



#16

Acetone

Concen: 3.890 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057523.D

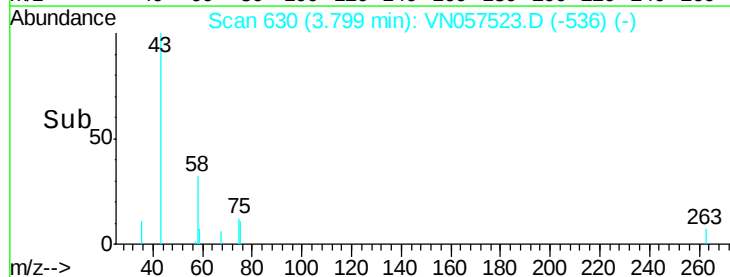
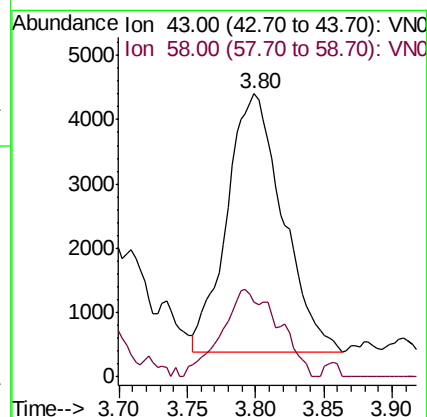
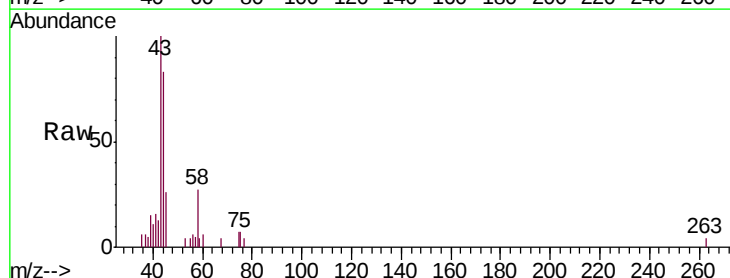
Acq: 26 Aug 2019 20:47

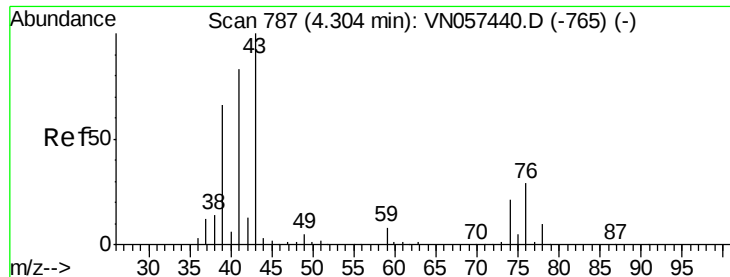
Tgt Ion: 43 Resp: 11415

Ion Ratio Lower Upper

43 100

58 29.1 22.1 33.1

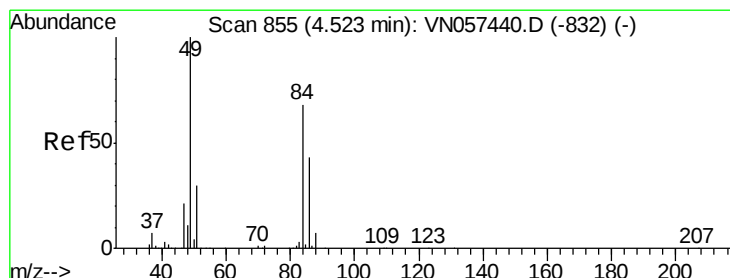
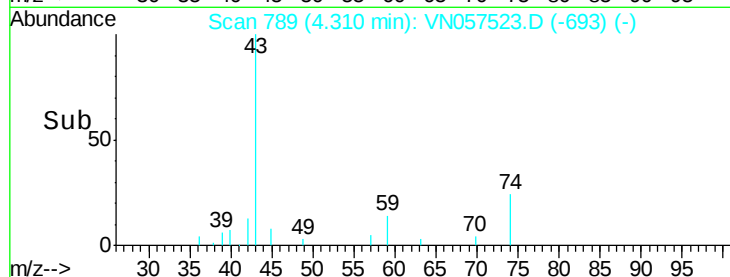
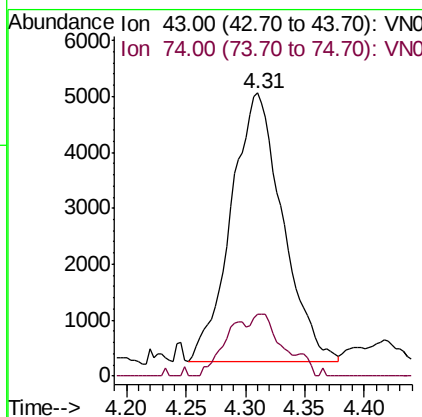
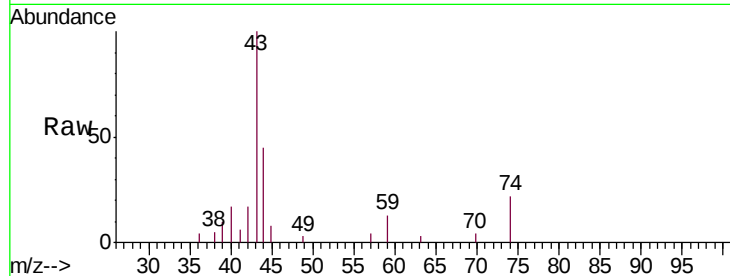




#18
Methyl Acetate
Concen: 1.362 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN057523.D
Acq: 26 Aug 2019 20:47

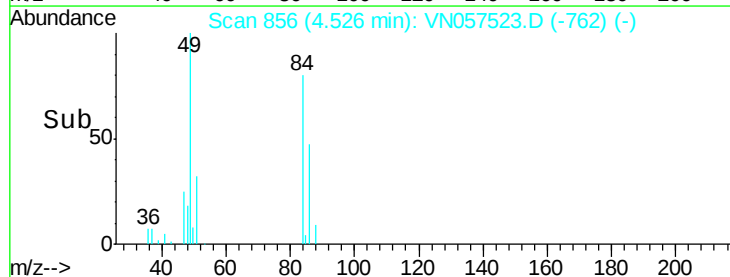
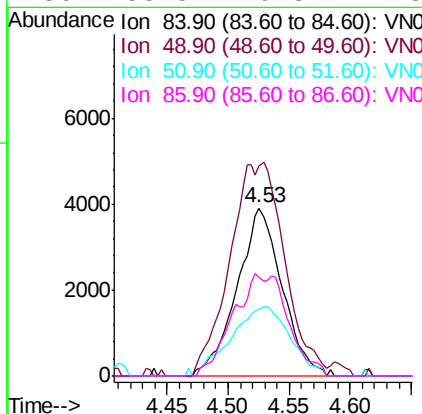
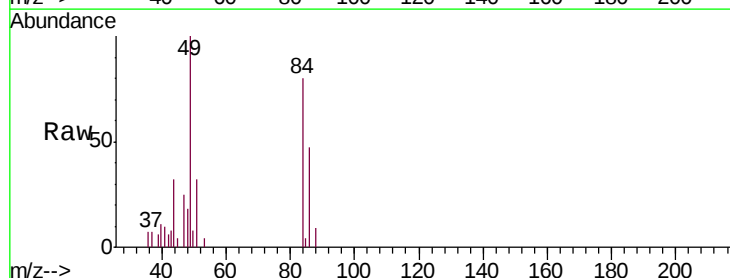
Instrument :
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T9-12-13-H-(1.9)

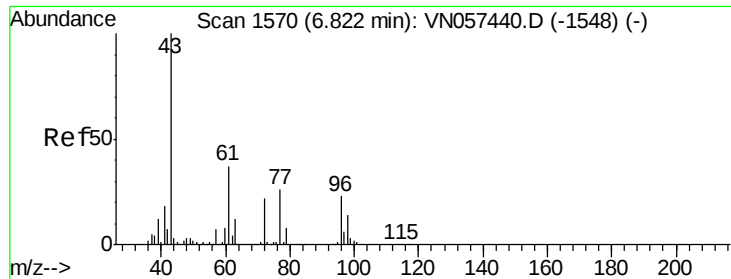
Tgt Ion: 43 Resp: 14498
Ion Ratio Lower Upper
43 100
74 7.1 15.9 23.9#



#20
Methylene Chloride
Concen: 2.226 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057523.D
Acq: 26 Aug 2019 20:47

Tgt Ion: 84 Resp: 9997
Ion Ratio Lower Upper
84 100
49 125.0 117.0 175.4
51 39.9 35.5 53.3
86 58.8 49.8 74.8

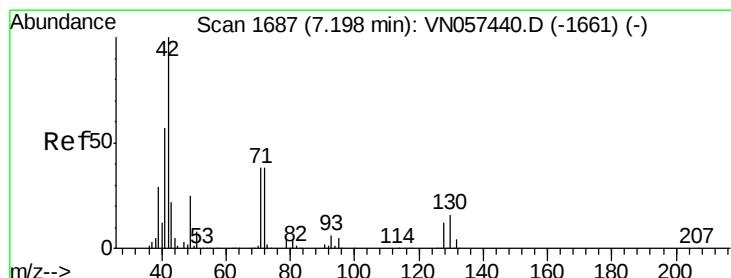
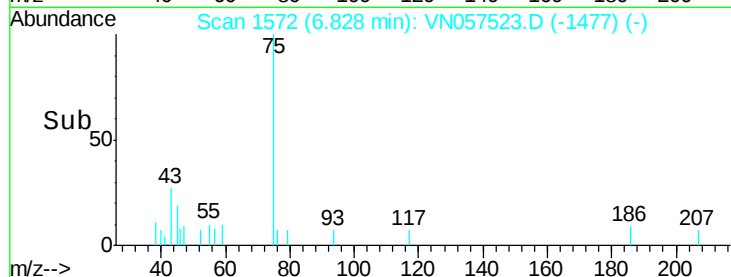
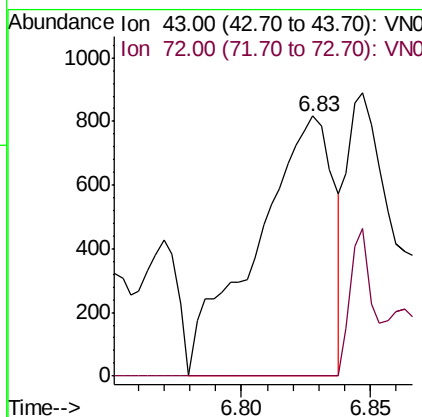
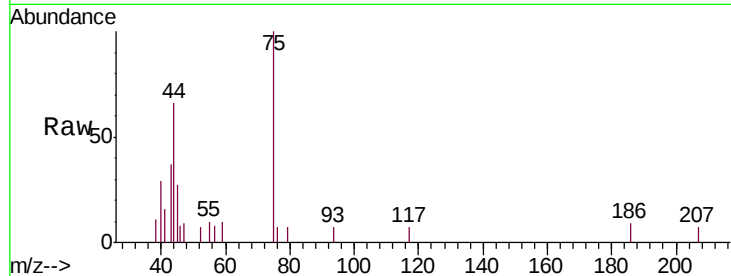




#25
 2-Butanone
 Concen: 0.531 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: VN057523.D
 Acq: 26 Aug 2019 20:47

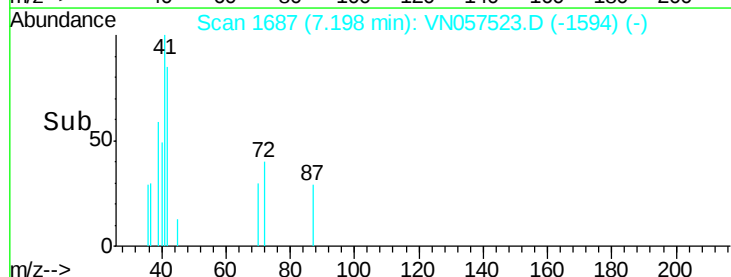
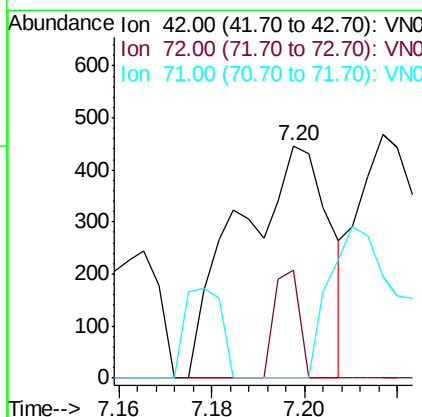
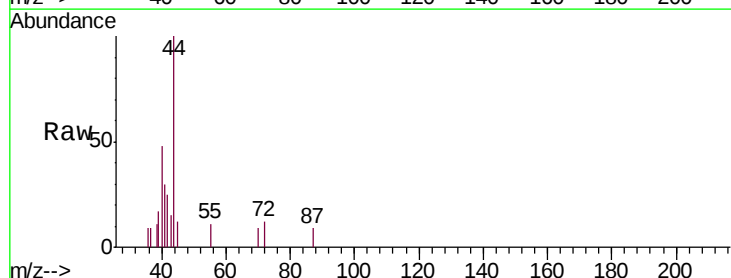
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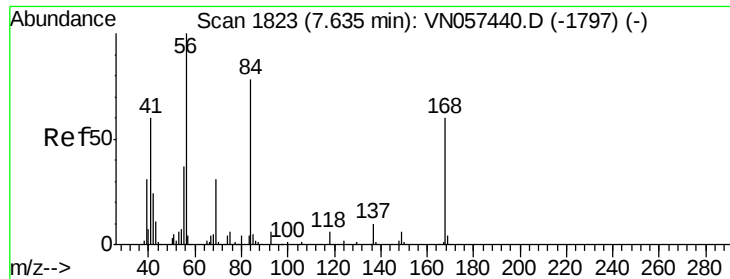
Tgt Ion: 43 Resp: 1693
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.8 26.8#



#29
 Tetrahydrofuran
 Concen: 0.289 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN057523.D
 Acq: 26 Aug 2019 20:47

Tgt Ion: 42 Resp: 607
 Ion Ratio Lower Upper
 42 100
 72 12.7 30.1 45.1#
 71 0.0 28.8 43.2#

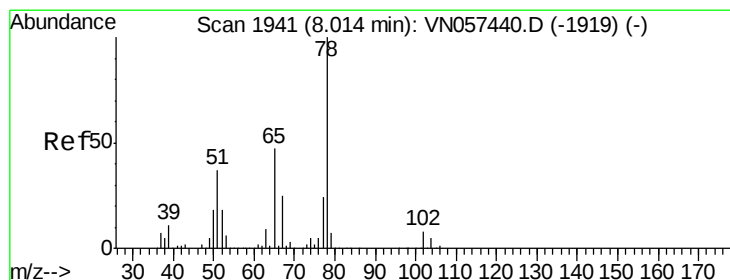
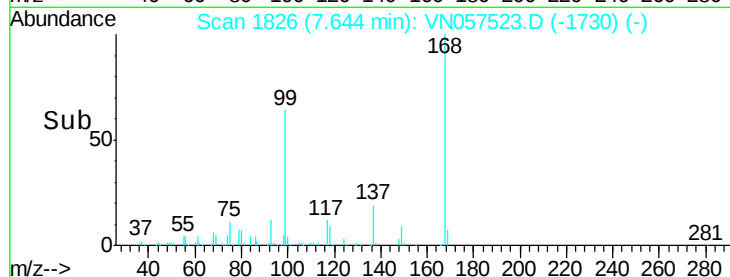
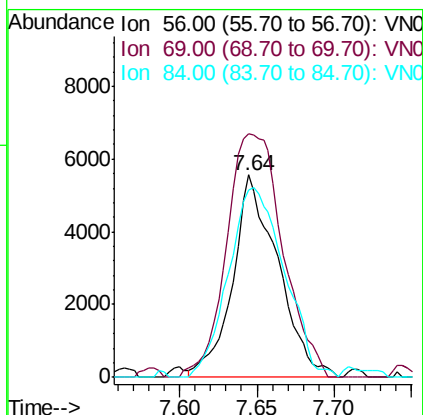
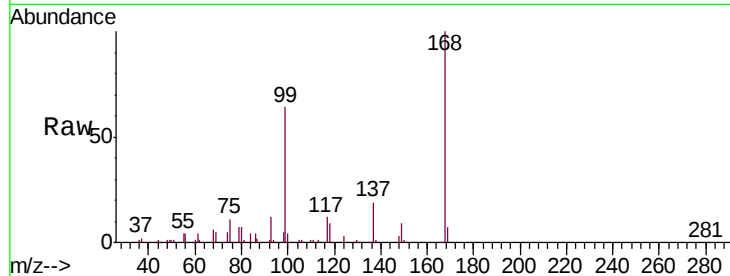




#31
Cyclohexane
Concen: 1.261 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN057523.D
Acq: 26 Aug 2019 20:47

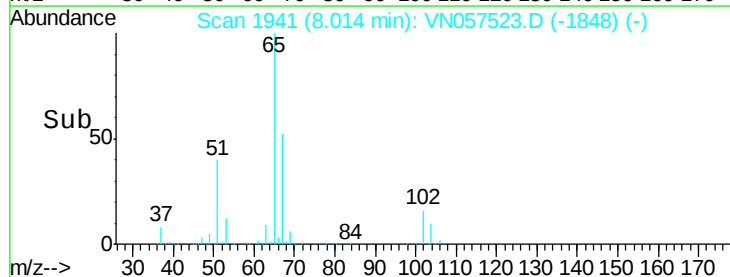
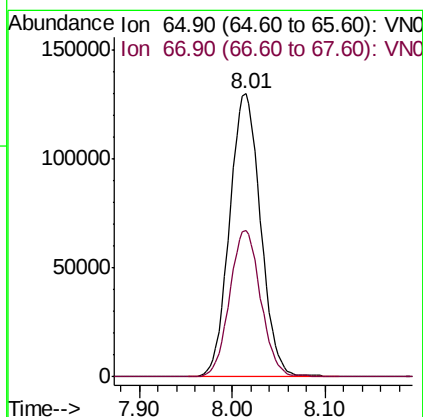
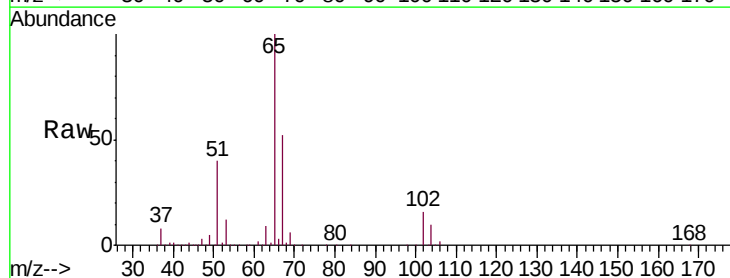
Instrument :
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T9-12-13-H-(1.9)

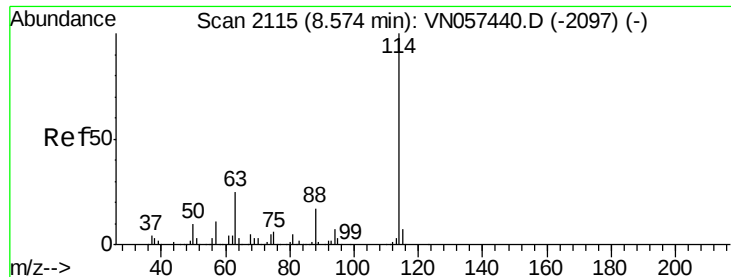
Tgt Ion: 56 Resp: 11316
Ion Ratio Lower Upper
56 100
69 120.4 25.0 37.6#
84 92.6 62.5 93.7



#33
1,2-Dichloroethane-d4
Concen: 47.136 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VN057523.D
Acq: 26 Aug 2019 20:47

Tgt Ion: 65 Resp: 301171
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.8

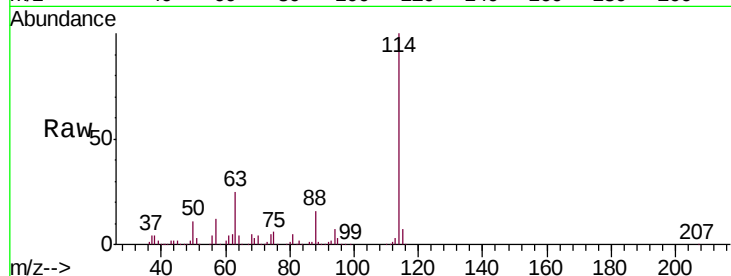




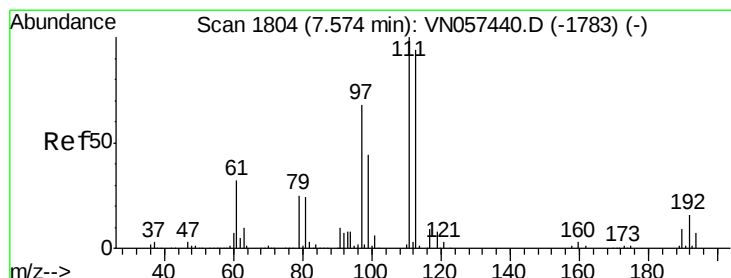
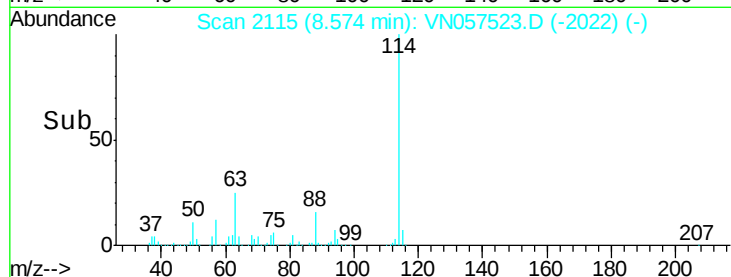
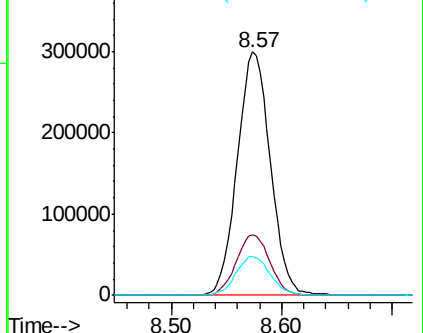
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057523.D
 Acq: 26 Aug 2019 20:47

Instrument :
 MSVOA_N
 ClientSampleId :
 T9-12-13-H-(1.9)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.8	0.0	50.2
88	16.2	0.0	34.6

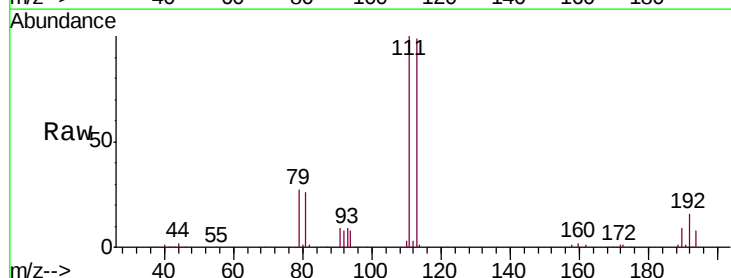


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

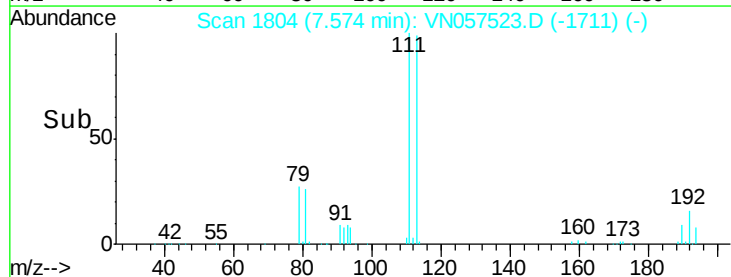
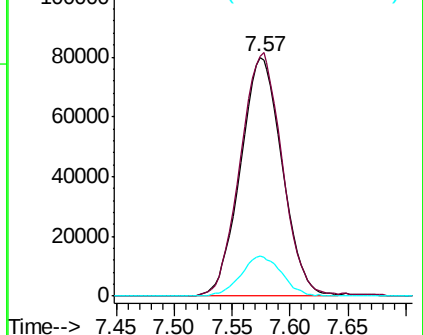


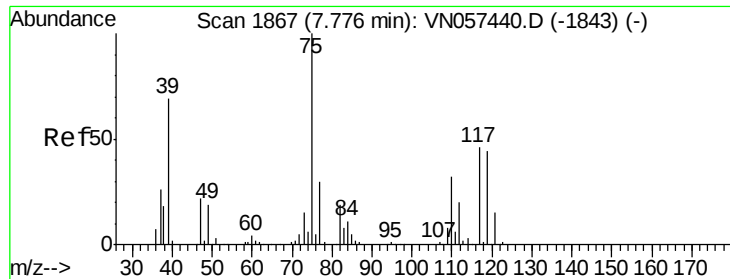
#35
 Dibromofluoromethane
 Concen: 47.418 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN057523.D
 Acq: 26 Aug 2019 20:47

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.8	125.6
192	16.4	13.5	20.3



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

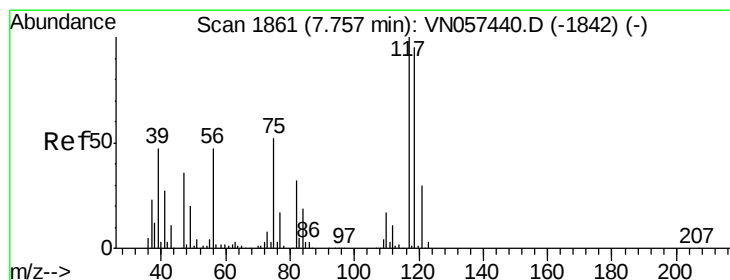
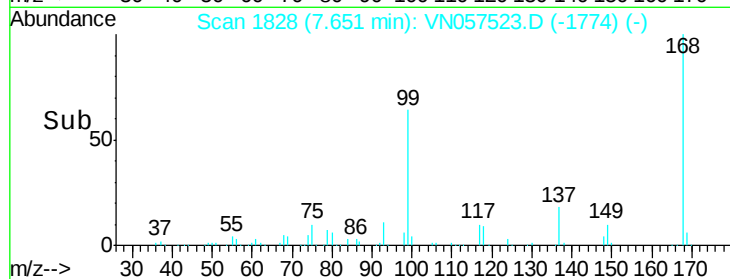
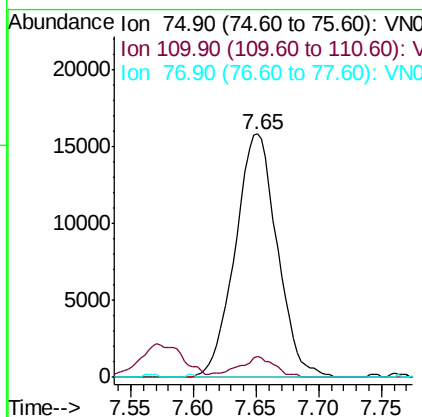
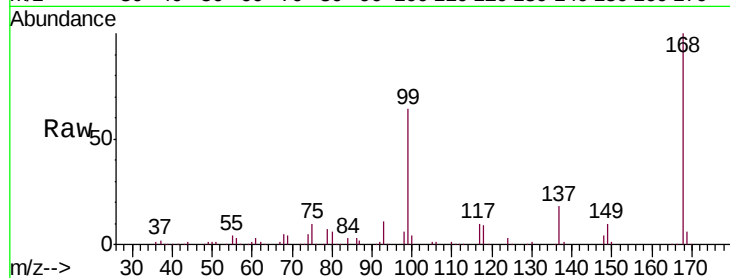




#36
 1,1-Dichloropropene
 Concen: 5.786 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057523.D
 Acq: 26 Aug 2019 20:47

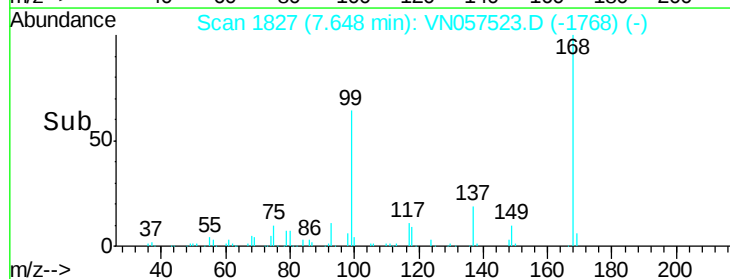
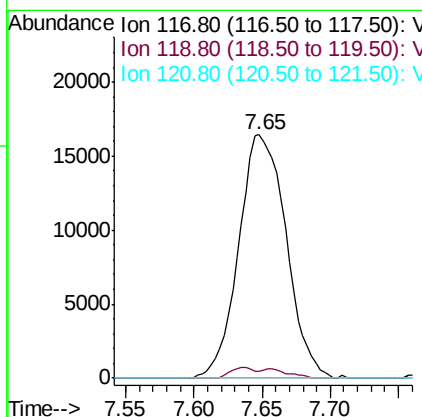
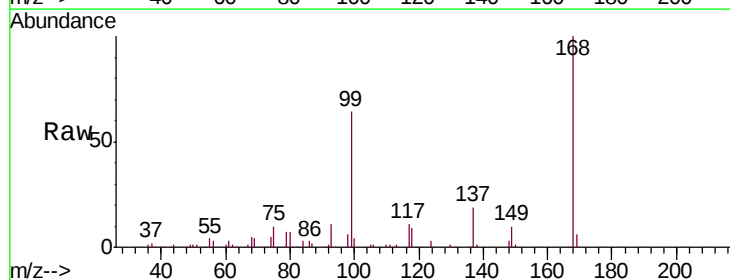
Instrument :
 MSVOA_N
 ClientSampleId :
 T9-12-13-H-(1.9)

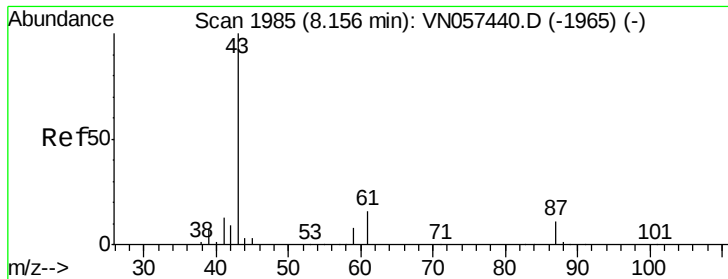
Tgt Ion: 75 Resp: 36859
 Ion Ratio Lower Upper
 75 100
 110 7.4 16.1 48.3#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.248 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN057523.D
 Acq: 26 Aug 2019 20:47

Tgt Ion: 117 Resp: 39545
 Ion Ratio Lower Upper
 117 100
 119 2.8 76.2 114.4#
 121 0.0 23.8 35.6#





#43

Isopropyl Acetate

Concen: 7.192 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057523.D

Acq: 26 Aug 2019 20:47

Instrument :

MSVOA_N

ClientSampleId :

T9-12-13-H-(1.9)

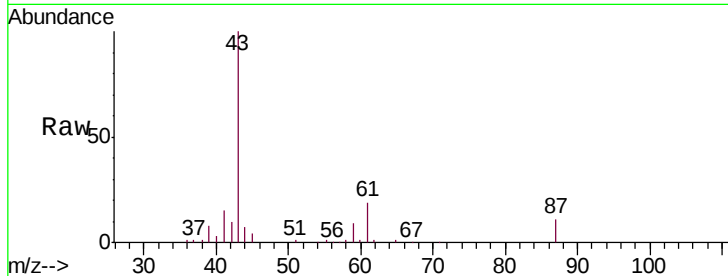
Tgt Ion: 43 Resp: 83019

Ion Ratio Lower Upper

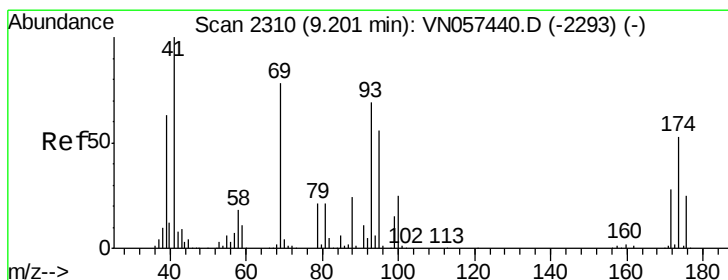
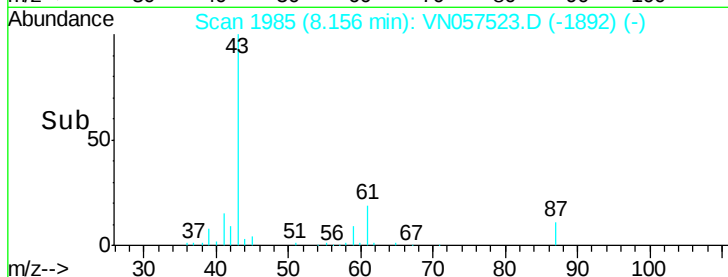
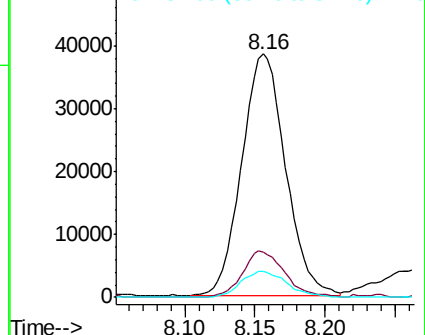
43 100

61 18.7 14.5 21.7

87 11.4 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#46

Dibromomethane

Concen: Below Cal

RT: 9.11 min Scan# 2283

Delta R.T. -0.09 min

Lab File: VN057523.D

Acq: 26 Aug 2019 20:47

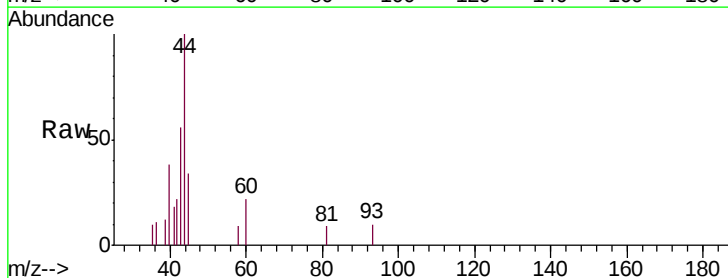
Tgt Ion: 93 Resp: 64

Ion Ratio Lower Upper

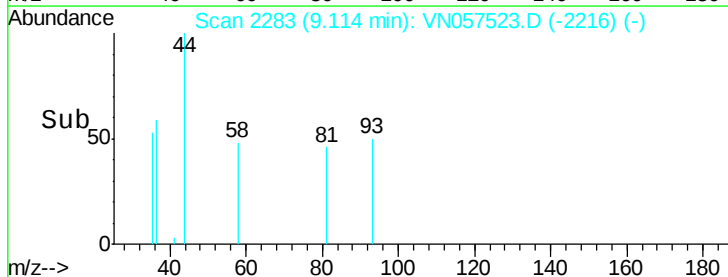
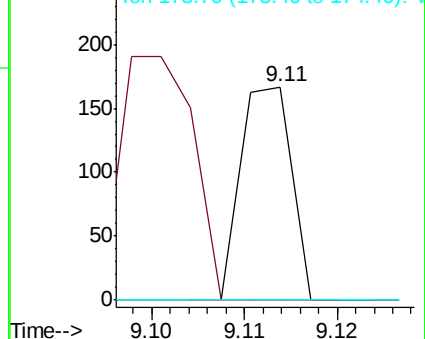
93 100

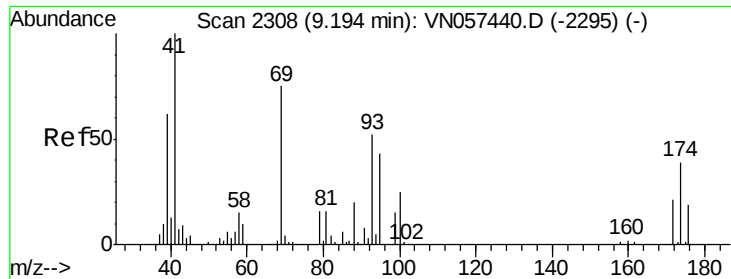
95 160.9 64.7 97.1#

174 0.0 62.3 93.5#



Abundance Ion 92.80 (92.50 to 93.50): VNO
Ion 94.80 (94.50 to 95.50): VNO
Ion 173.70 (173.40 to 174.40): V

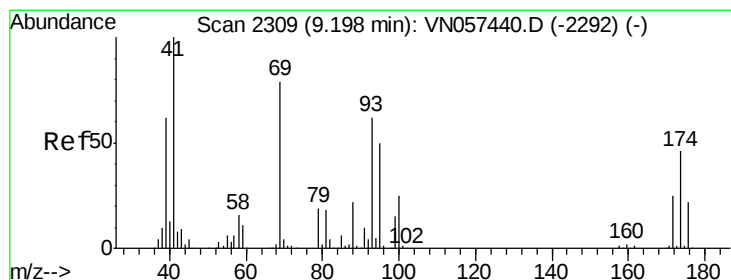
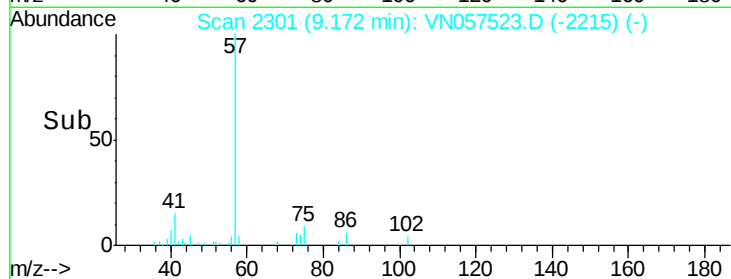
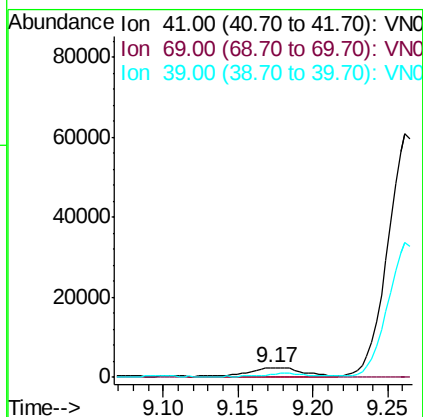
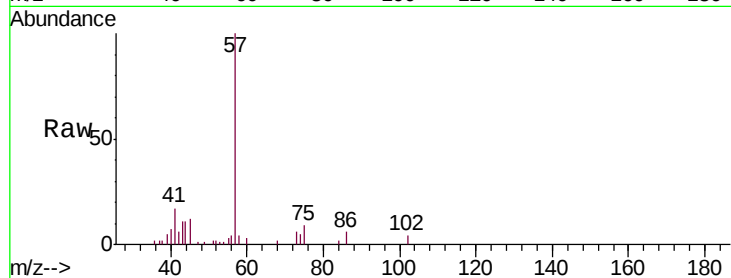




#48
Methyl methacrylate
Concen: 0.988 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VN057523.D
Acq: 26 Aug 2019 20:47

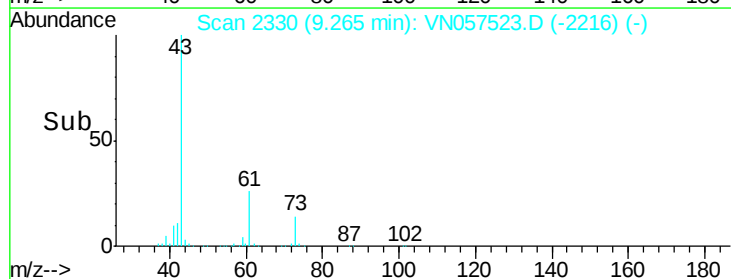
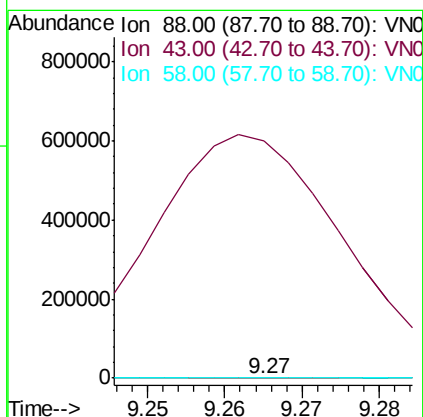
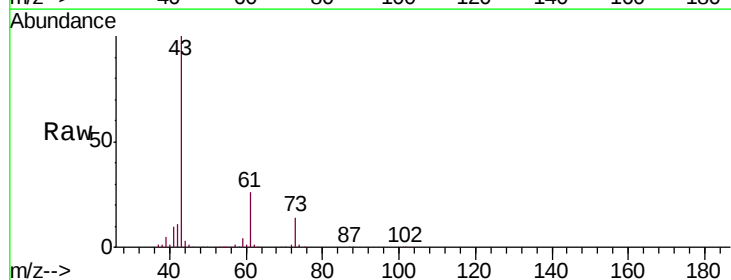
Instrument :
MSVOA_N
ClientSampleId :
T9-12-13-H-(1.9)

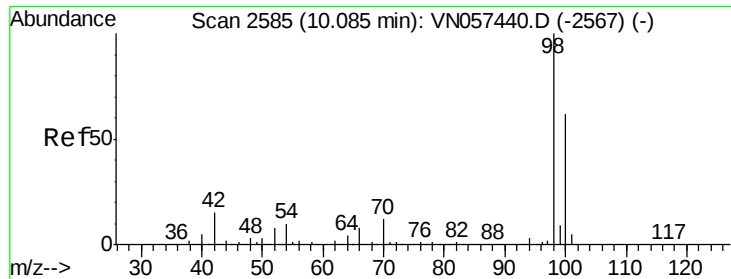
Tgt Ion: 41 Resp: 5424
Ion Ratio Lower Upper
41 100
69 4.4 59.3 88.9#
39 0.0 50.6 75.8#



#49
1,4-Dioxane
Concen: 1.803 ug/l
RT: 9.27 min Scan# 2330
Delta R.T. 0.07 min
Lab File: VN057523.D
Acq: 26 Aug 2019 20:47

Tgt Ion: 88 Resp: 128
Ion Ratio Lower Upper
88 100
43 877285.9 31.0 46.6#
58 3543.8 64.5 96.7#





#50

Toluene-d8

Concen: 53.257 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057523.D

Acq: 26 Aug 2019 20:47

Instrument :

MSVOA_N

ClientSampleId :

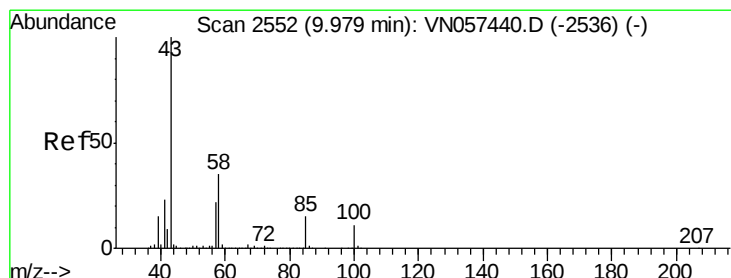
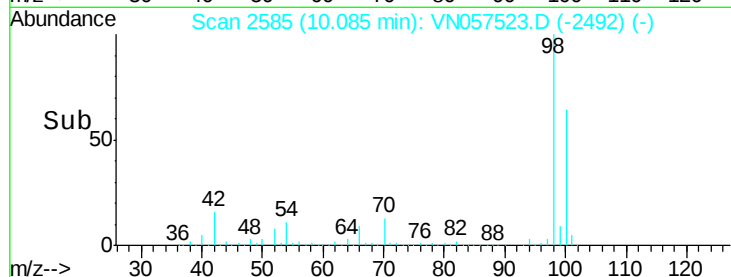
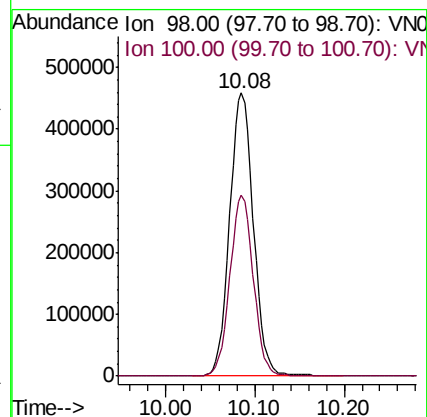
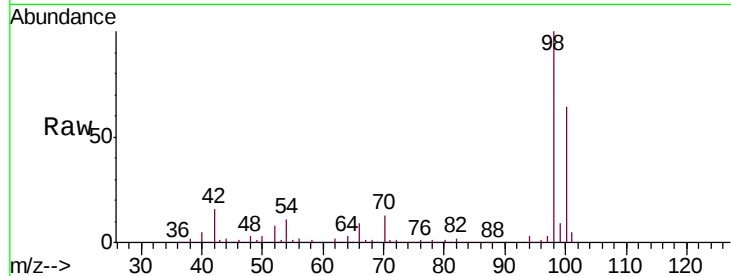
T9-12-13-H-(1.9)

Tgt Ion: 98 Resp: 848060

Ion Ratio Lower Upper

98 100

100 62.7 50.4 75.6



#51

4-Methyl-2-Pentanone

Concen: 1.269 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.01 min

Lab File: VN057523.D

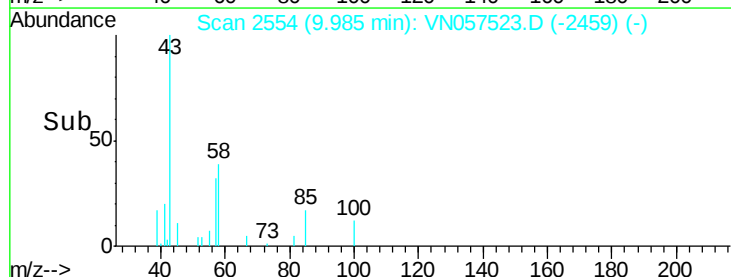
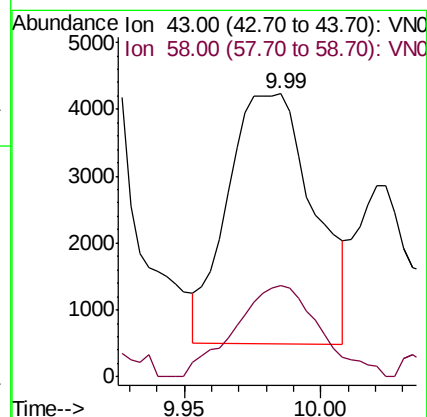
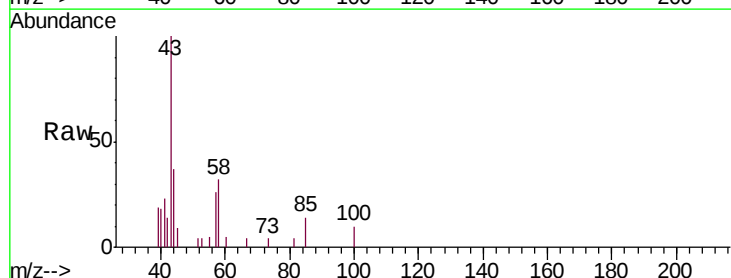
Acq: 26 Aug 2019 20:47

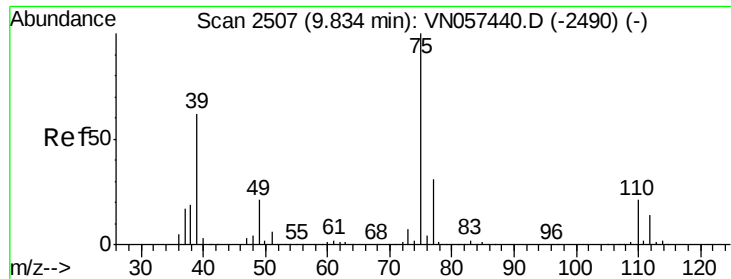
Tgt Ion: 43 Resp: 8166

Ion Ratio Lower Upper

43 100

58 36.0 27.9 41.9





#54

cis-1,3-Dichloropropene

Concen: 4.367 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057523.D

Acq: 26 Aug 2019 20:47

Instrument :

MSVOA_N

ClientSampleId :

T9-12-13-H-(1.9)

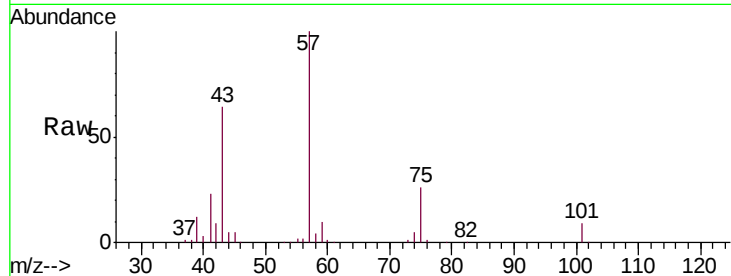
Tgt Ion: 75 Resp: 36180

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

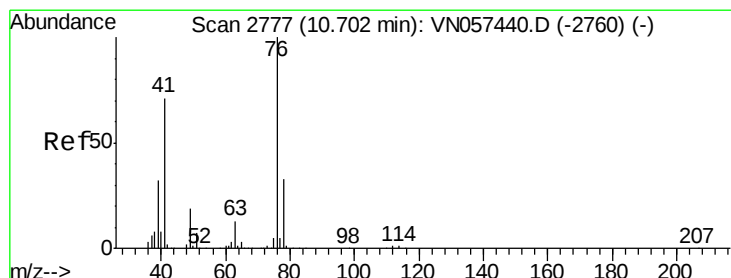
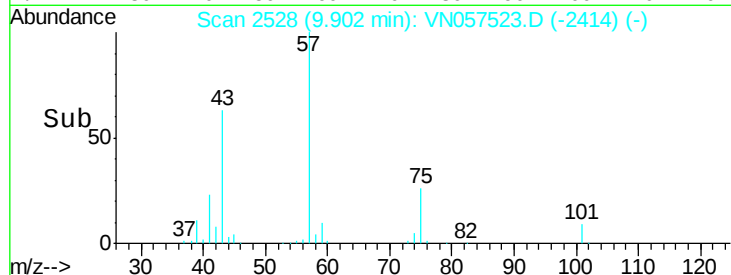
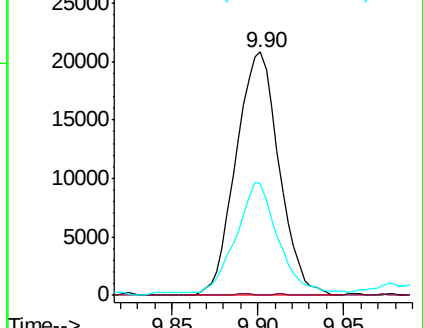
39 44.5 49.2 73.8#



Abundance Ion 74.90 (74.60 to 75.60): VN057440.D (-2490) (-)

Ion 76.90 (76.60 to 77.60): VN057440.D (-2490) (-)

Ion 39.00 (38.70 to 39.70): VN057440.D (-2490) (-)



#57

1,3-Dichloropropane

Concen: 0.580 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN057523.D

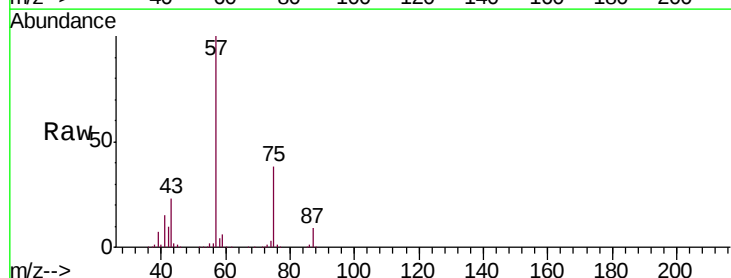
Acq: 26 Aug 2019 20:47

Tgt Ion: 76 Resp: 4496

Ion Ratio Lower Upper

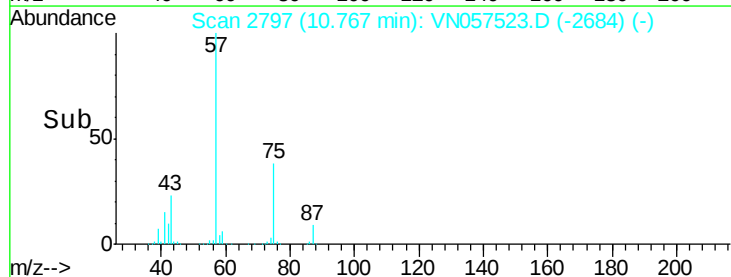
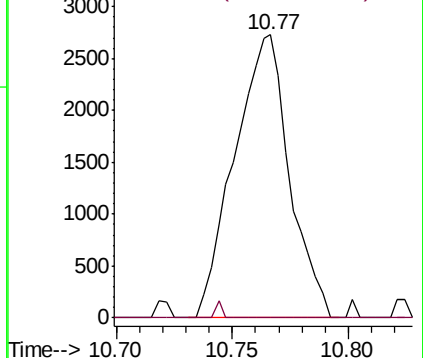
76 100

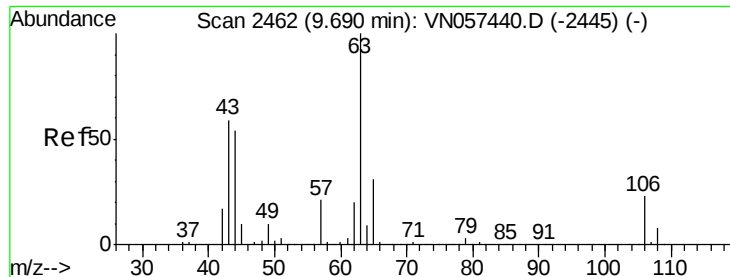
78 0.0 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VN057440.D (-2760) (-)

Ion 77.90 (77.60 to 78.60): VN057440.D (-2760) (-)

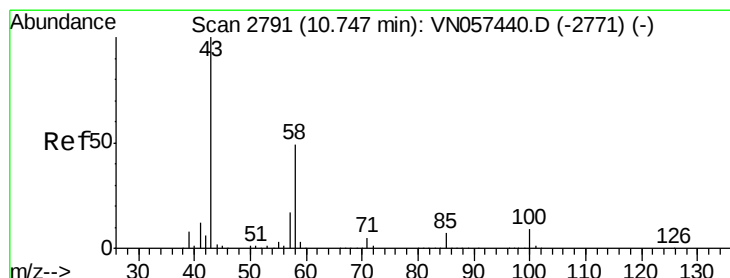
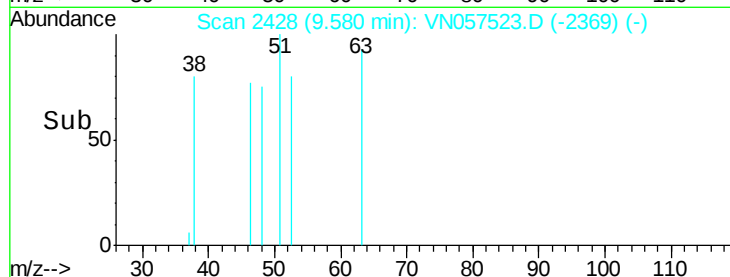
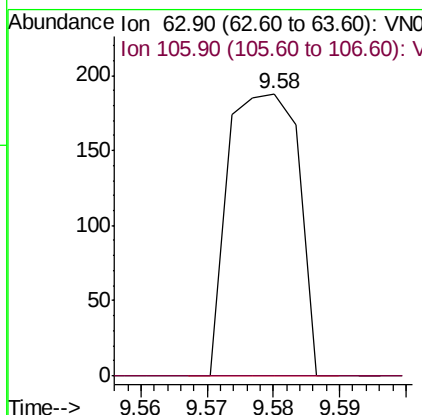
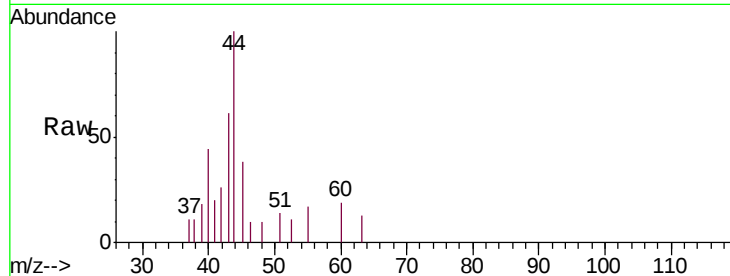




#58
 2-Chloroethyl Vinyl ether
 Concen: 17.130 ug/l
 RT: 9.58 min Scan# 2428
 Delta R.T. -0.11 min
 Lab File: VN057523.D
 Acq: 26 Aug 2019 20:47

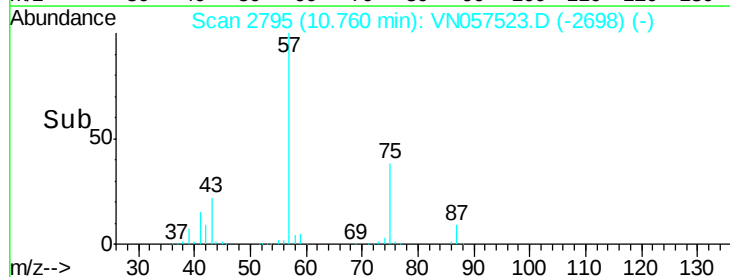
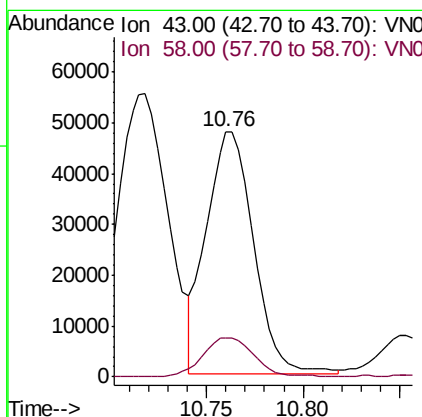
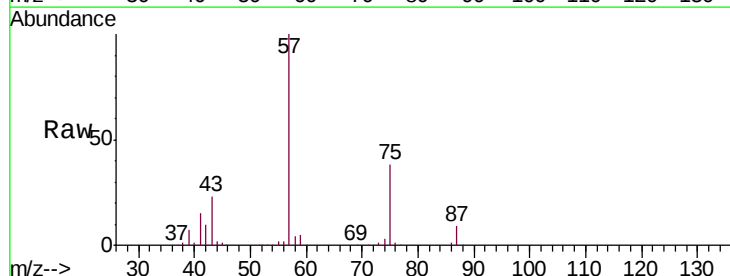
Instrument :
 MSVOA_N
 ClientSampleId :
 T9-12-13-H-(1.9)

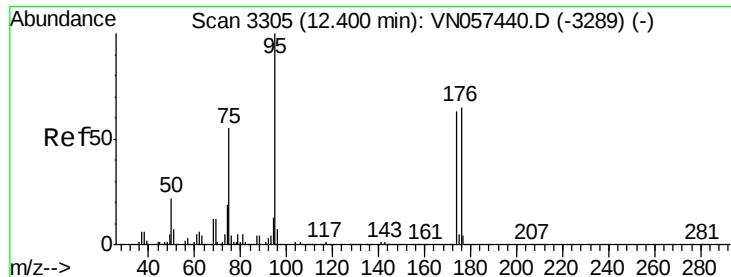
Tgt Ion: 63 Resp: 138
 Ion Ratio Lower Upper
 63 100
 106 0.0 18.6 27.8#



#59
 2-Hexanone
 Concen: 18.337 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: VN057523.D
 Acq: 26 Aug 2019 20:47

Tgt Ion: 43 Resp: 80908
 Ion Ratio Lower Upper
 43 100
 58 17.7 24.6 73.6#





#62

4-Bromofluorobenzene

Concen: 42.610 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057523.D

Acq: 26 Aug 2019 20:47

Instrument :

MSVOA_N

ClientSampleId :

T9-12-13-H-(1.9)

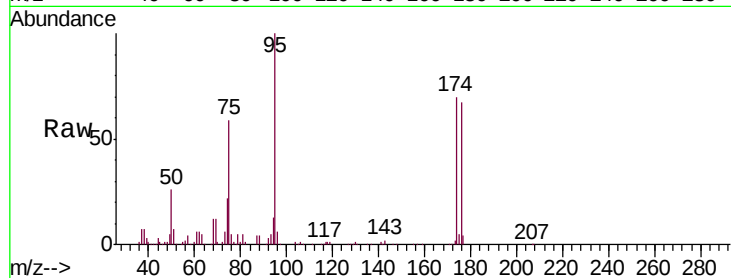
Tgt Ion: 95 Resp: 229938

Ion Ratio Lower Upper

95 100

174 67.2 0.0 133.0

176 64.6 0.0 130.8

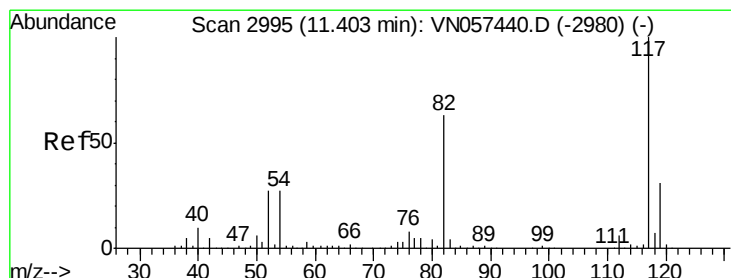
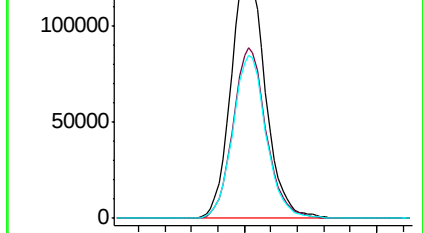
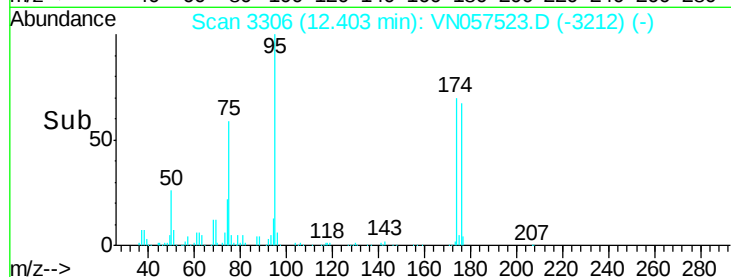


Abundance Ion 94.90 (94.60 to 95.60): VN057523.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN057523.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN057523.D (-3212) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057523.D

Acq: 26 Aug 2019 20:47

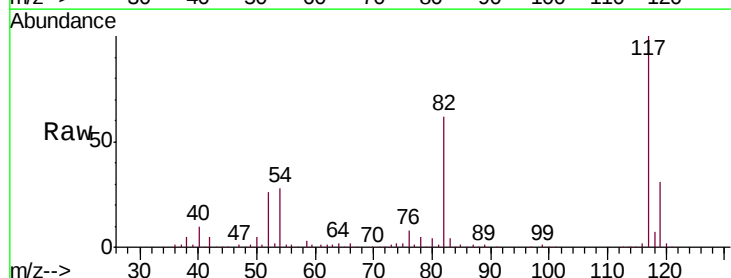
Tgt Ion: 117 Resp: 554869

Ion Ratio Lower Upper

117 100

82 62.5 50.6 75.8

119 31.1 24.6 36.8

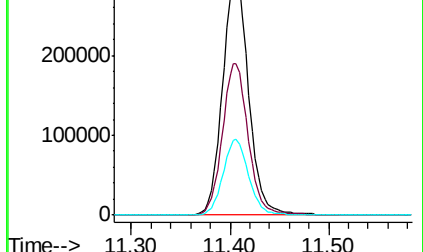
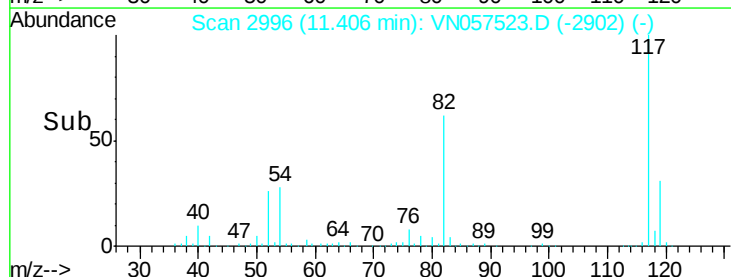


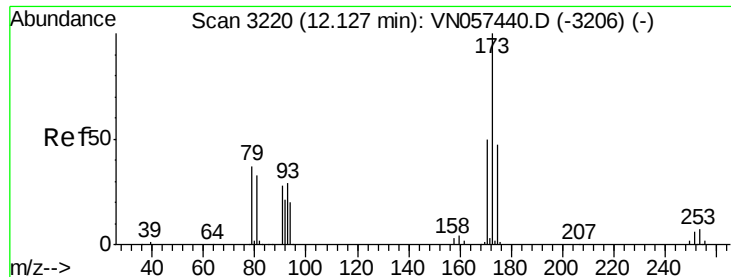
Abundance Ion 116.90 (116.60 to 117.60): VN057523.D (-2902) (-)

Ion 82.00 (81.70 to 82.70): VN057523.D (-2902) (-)

Ion 118.90 (118.60 to 119.60): VN057523.D (-2902) (-)

Time-->





#71

Bromoform

Concen: 0.712 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN057523.D

Acq: 26 Aug 2019 20:47

Instrument :

MSVOA_N

ClientSampled :

T9-12-13-H-(1.9)

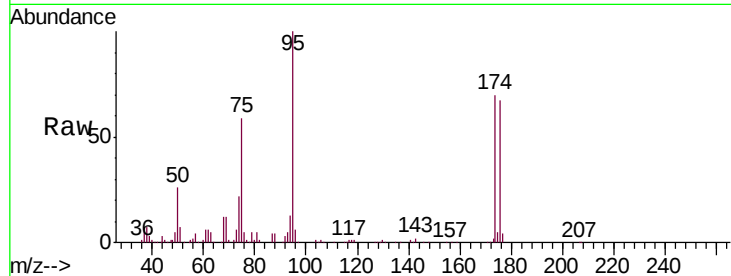
Tgt Ion:173 Resp: 2070

Ion Ratio Lower Upper

173 100

175 466.5 23.9 71.8#

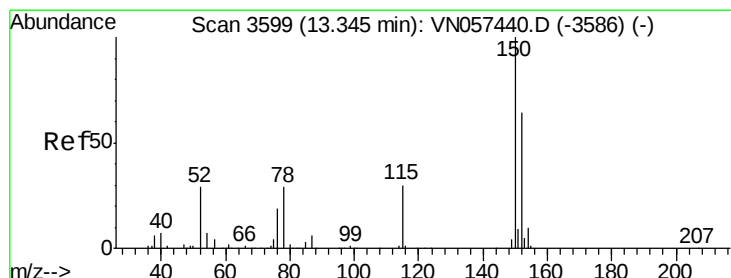
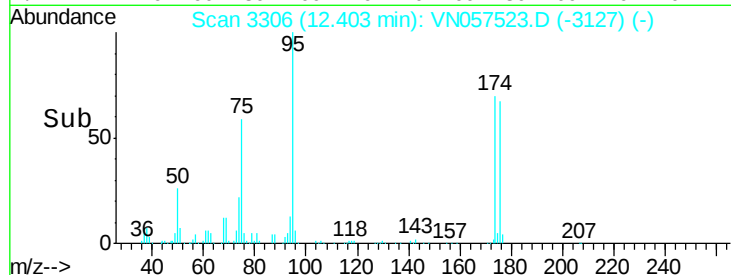
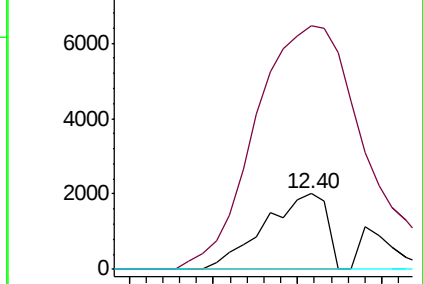
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057523.D

Acq: 26 Aug 2019 20:47

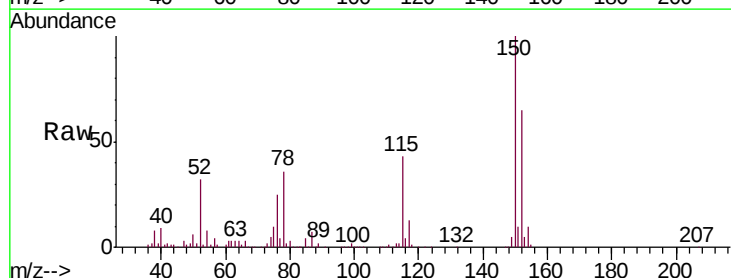
Tgt Ion:152 Resp: 129125

Ion Ratio Lower Upper

152 100

115 63.6 32.0 96.0

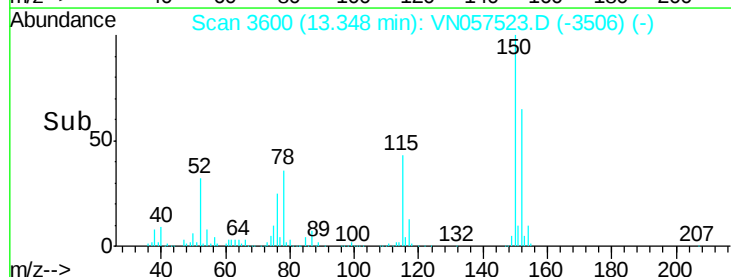
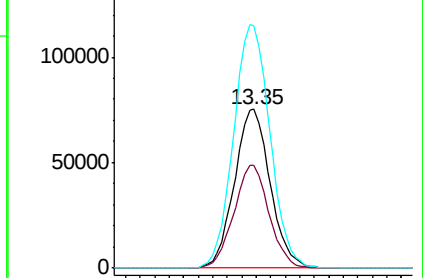
150 156.0 0.0 346.6

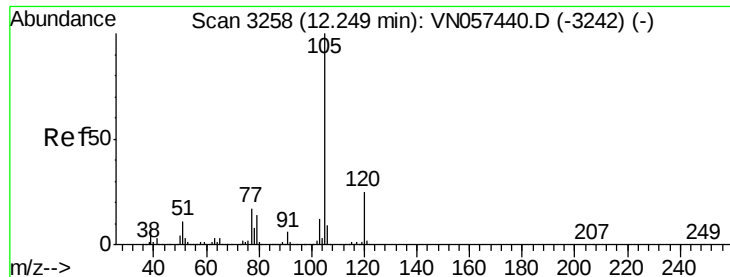


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.24 min Scan# 3256

Delta R.T. -0.01 min

Lab File: VN057523.D

Acq: 26 Aug 2019 20:47

Instrument :

MSVOA_N

ClientSampled :

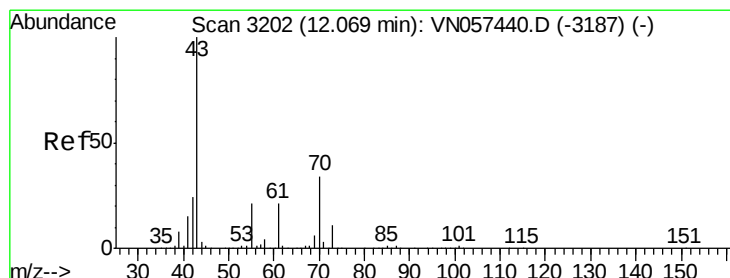
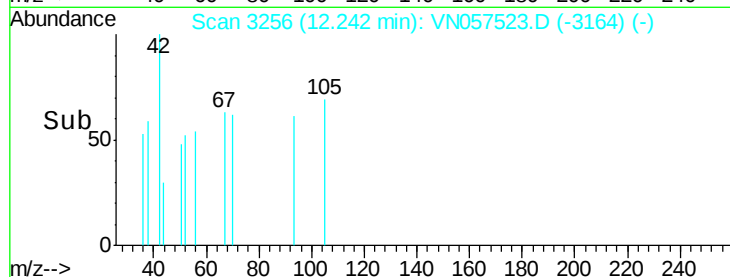
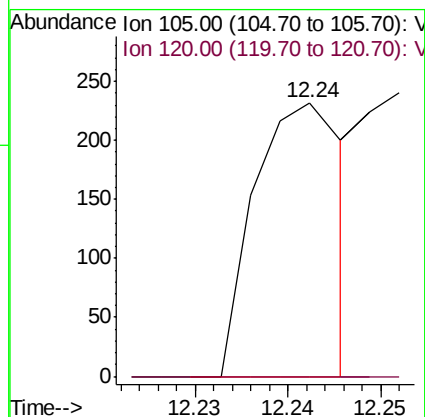
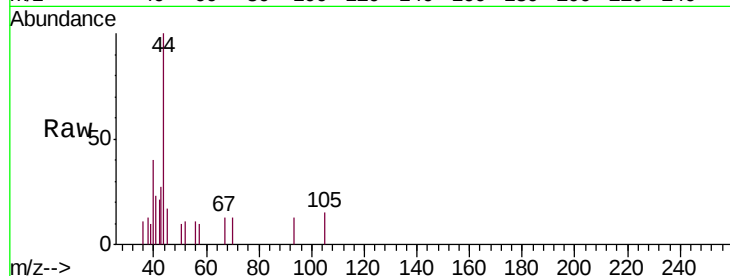
T9-12-13-H-(1.9)

Tgt Ion:105 Resp: 155

Ion Ratio Lower Upper

105 100

120 0.0 12.7 38.0#



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN057523.D

Acq: 26 Aug 2019 20:47

Tgt Ion: 43 Resp: 4526

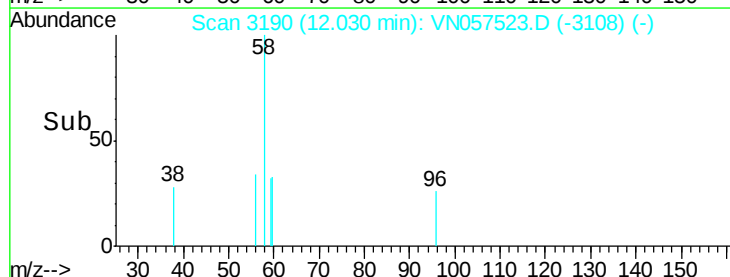
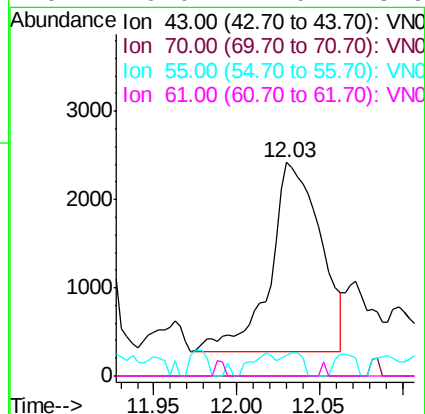
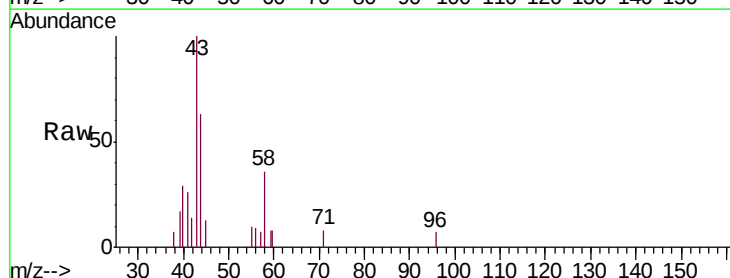
Ion Ratio Lower Upper

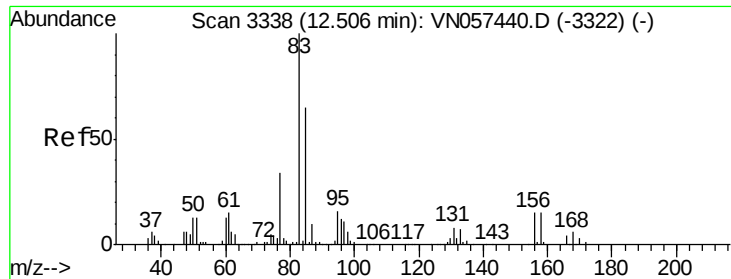
43 100

70 0.0 27.8 41.6#

55 4.1 17.0 25.4#

61 0.0 17.0 25.6#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.54 min Scan# 3350

Delta R.T. 0.04 min

Lab File: VN057523.D

Acq: 26 Aug 2019 20:47

Instrument :

MSVOA_N

ClientSampled :

T9-12-13-H-(1.9)

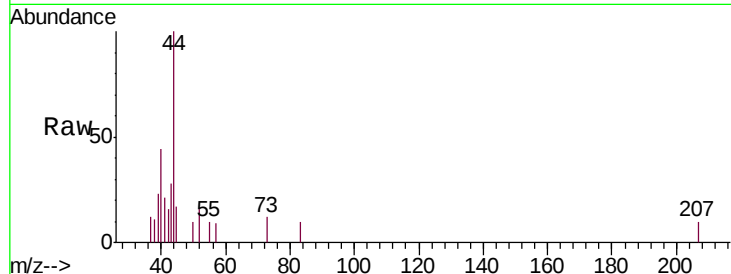
Tgt Ion: 83 Resp: 31

Ion Ratio Lower Upper

83 100

131 0.0 4.3 13.1#

85 0.0 32.3 96.8#



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

12.54

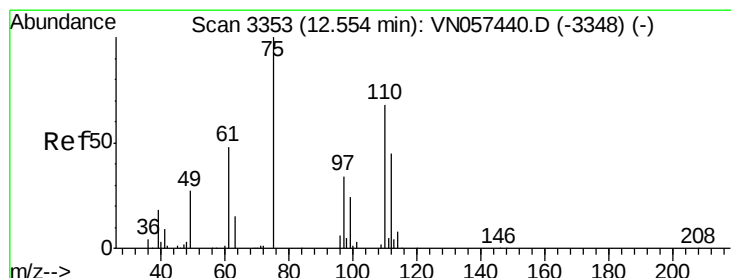
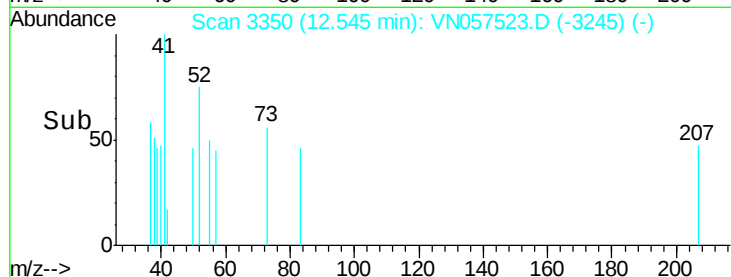
150

100

50

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 45.368 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057523.D

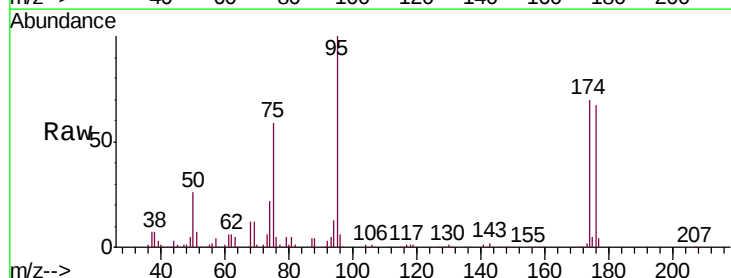
Acq: 26 Aug 2019 20:47

Tgt Ion: 75 Resp: 130656

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

80000

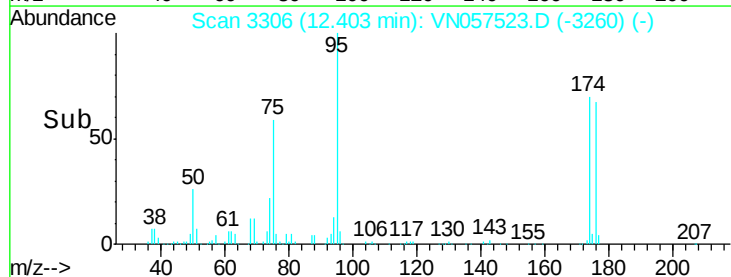
60000

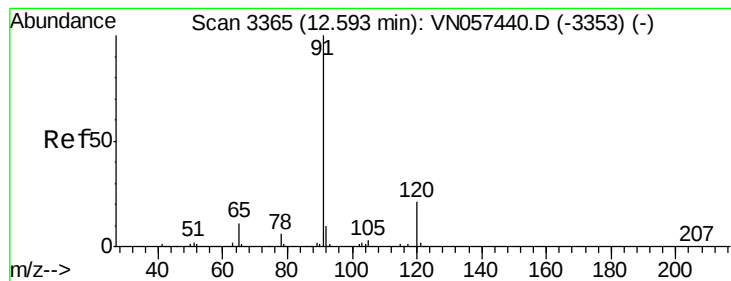
40000

20000

0

Time-->





#78

n-propylbenzene

Concen: Below Cal

RT: 12.58 min Scan# 3362

Delta R.T. -0.01 min

Lab File: VN057523.D

Acq: 26 Aug 2019 20:47

Instrument :

MSVOA_N

ClientSampleId :

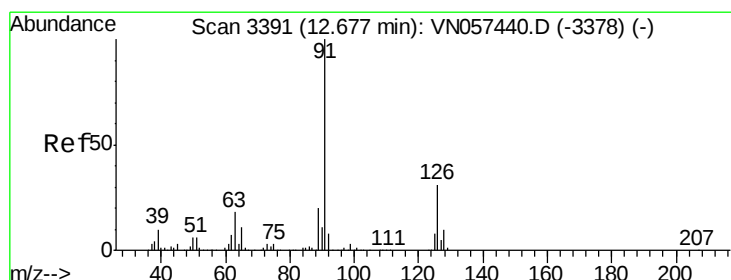
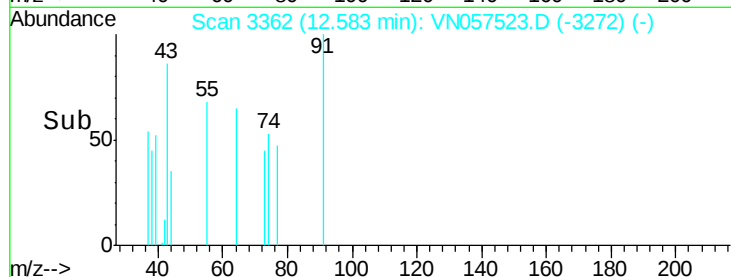
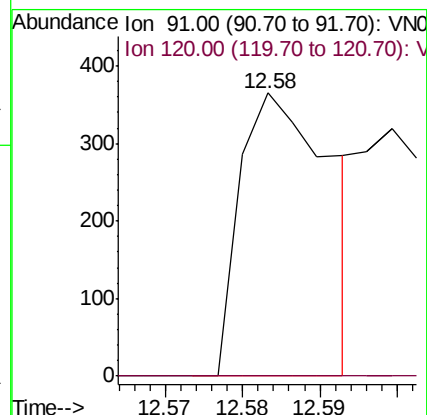
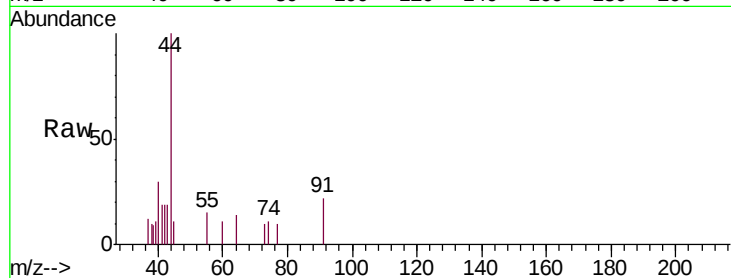
T9-12-13-H-(1.9)

Tgt Ion: 91 Resp: 299

Ion Ratio Lower Upper

91 100

120 0.0 10.7 32.1#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057523.D

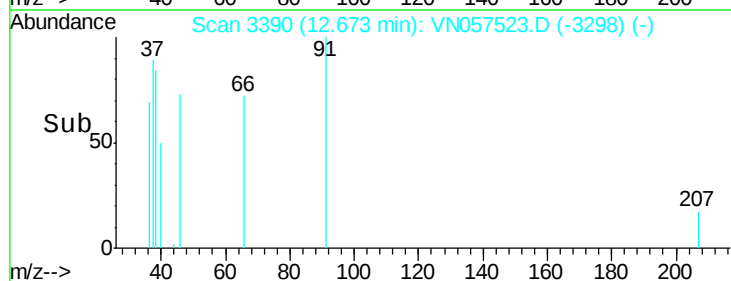
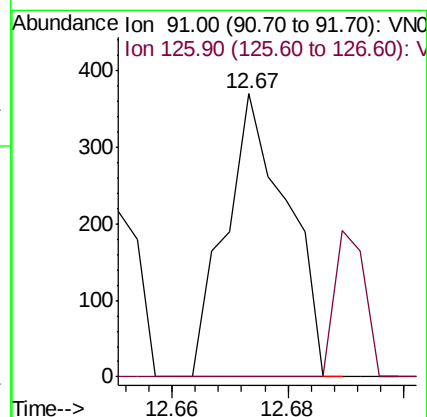
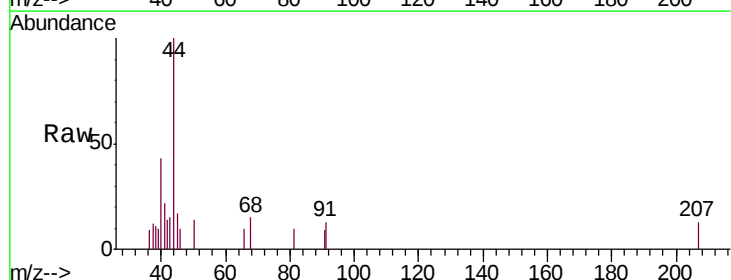
Acq: 26 Aug 2019 20:47

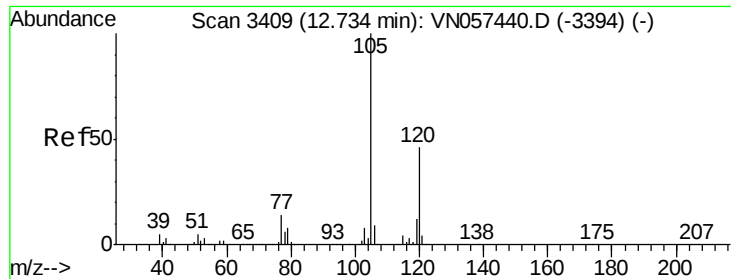
Tgt Ion: 91 Resp: 271

Ion Ratio Lower Upper

91 100

126 25.5 15.3 45.8

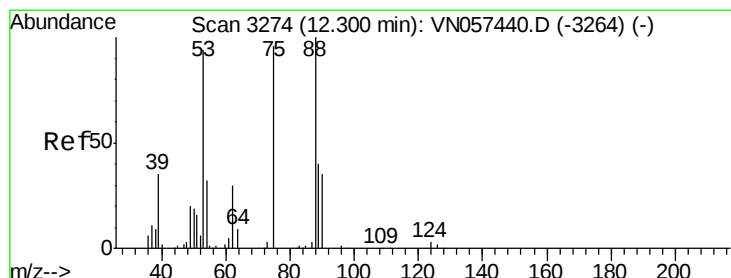
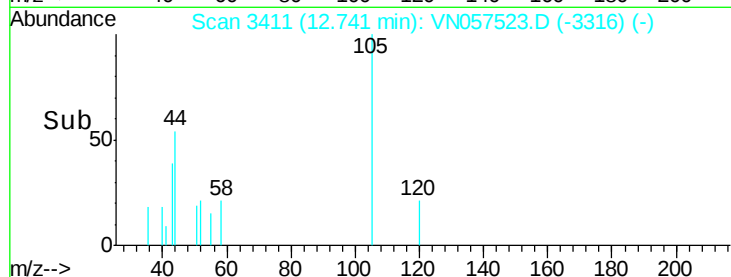
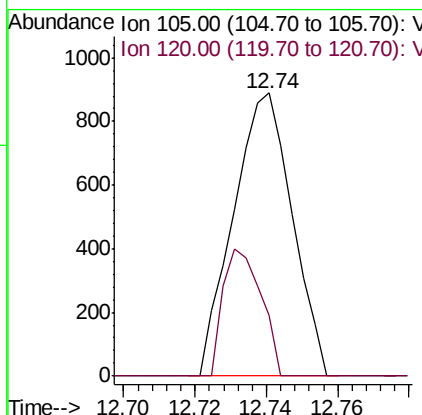
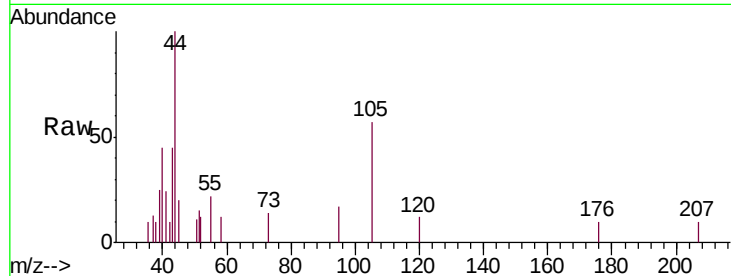




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.74 min Scan# 3411
 Delta R.T. 0.01 min
 Lab File: VN057523.D
 Acq: 26 Aug 2019 20:47

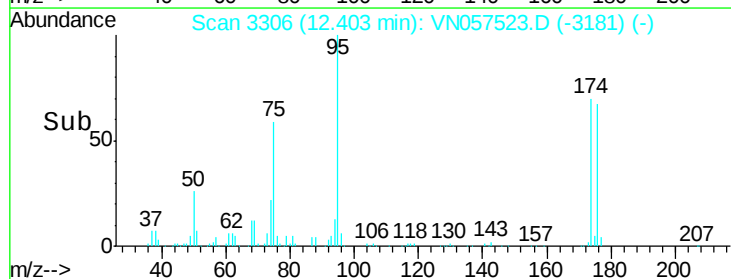
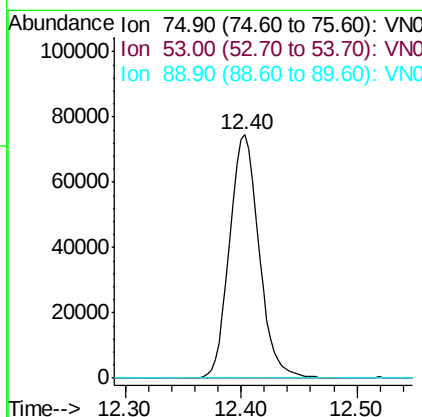
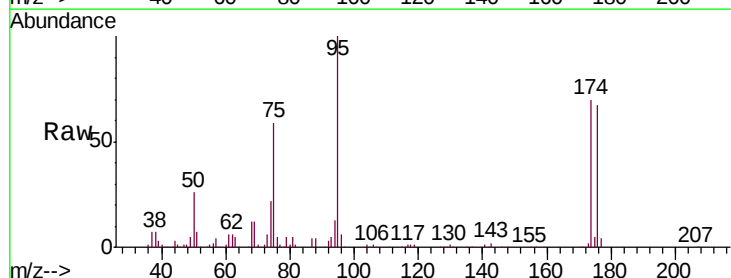
Instrument :
 MSVOA_N
 ClientSampleId :
 T9-12-13-H-(1.9)

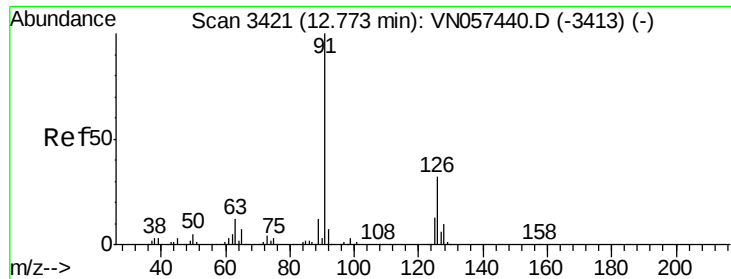
Tgt Ion: 105 Resp: 1012
 Ion Ratio Lower Upper
 105 100
 120 29.2 23.3 69.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.240 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN057523.D
 Acq: 26 Aug 2019 20:47

Tgt Ion: 75 Resp: 130656
 Ion Ratio Lower Upper
 75 100
 53 0.1 82.7 124.1#
 89 0.0 35.8 53.8#

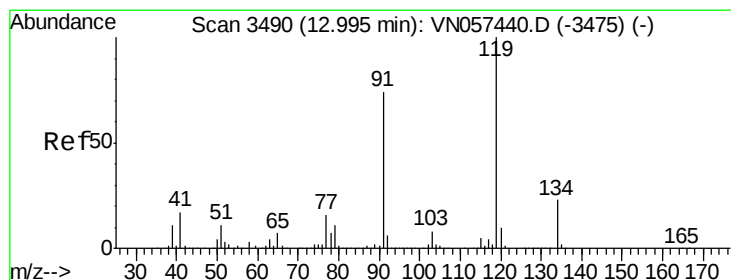
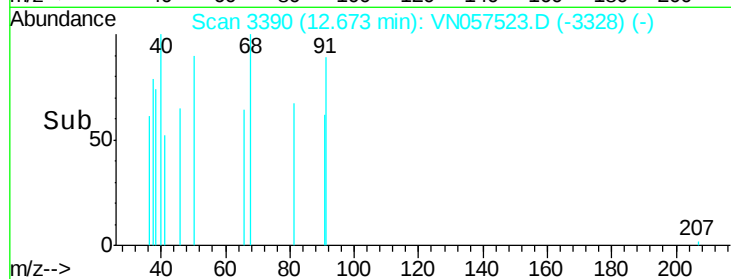
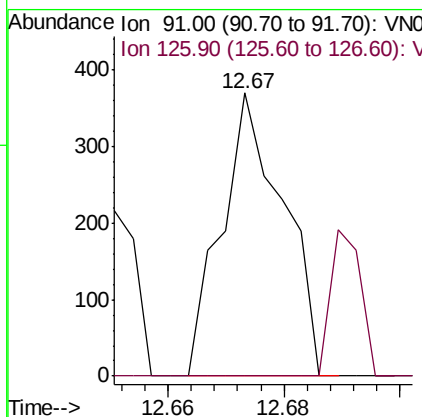
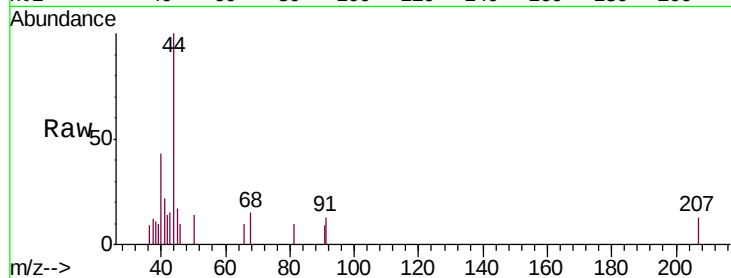




#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.10 min
 Lab File: VN057523.D
 Acq: 26 Aug 2019 20:47

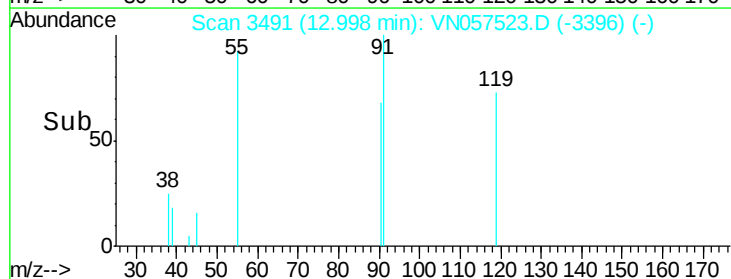
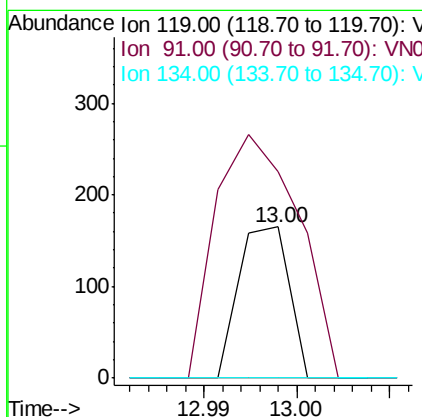
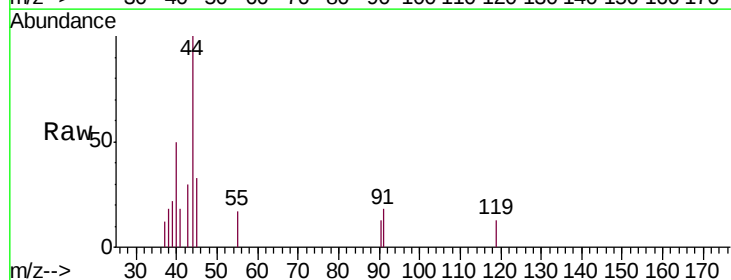
Instrument :
 MSVOA_N
 ClientSampleId :
 T9-12-13-H-(1.9)

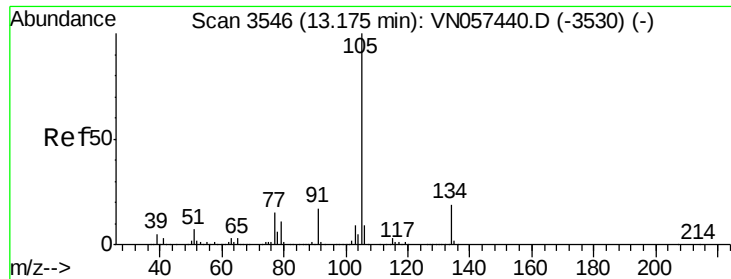
Tgt Ion: 91 Resp: 271
 Ion Ratio Lower Upper
 91 100
 126 25.5 15.0 45.0



#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057523.D
 Acq: 26 Aug 2019 20:47

Tgt Ion: 119 Resp: 62
 Ion Ratio Lower Upper
 119 100
 91 266.1 37.0 111.0#
 134 0.0 12.2 36.6#

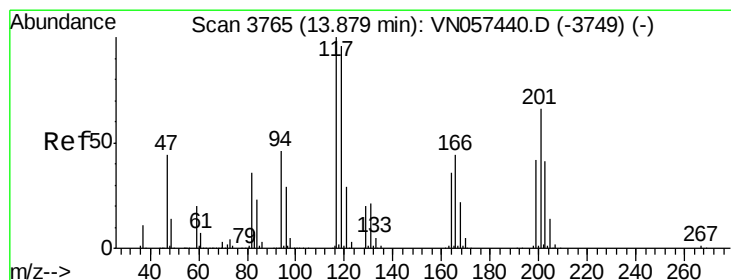
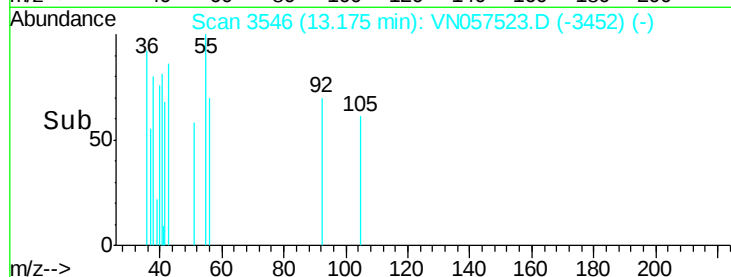
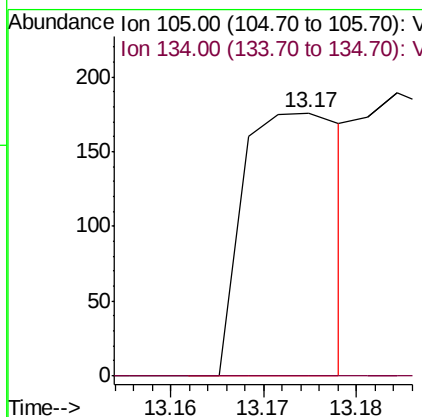
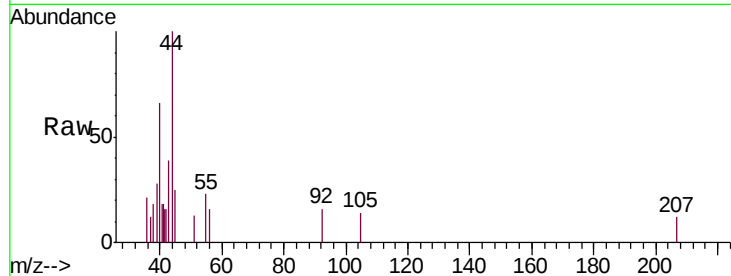




#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057523.D
 Acq: 26 Aug 2019 20:47

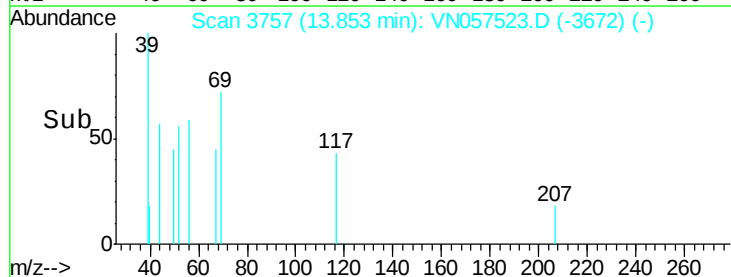
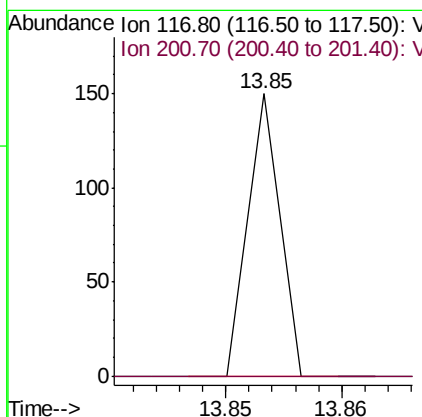
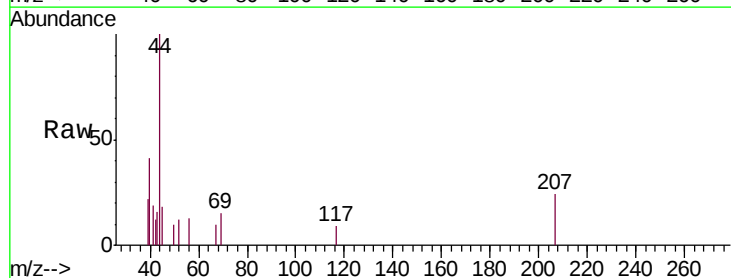
Instrument :
 MSVOA_N
 ClientSampleId :
 T9-12-13-H-(1.9)

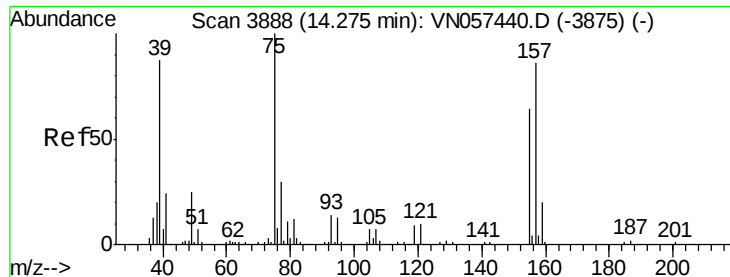
Tgt Ion:105 Resp: 131
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.3 27.9#



#90
 Hexachloroethane
 Concen: Below Cal
 RT: 13.85 min Scan# 3757
 Delta R.T. -0.03 min
 Lab File: VN057523.D
 Acq: 26 Aug 2019 20:47

Tgt Ion:117 Resp: 29
 Ion Ratio Lower Upper
 117 100
 201 0.0 33.1 99.3#

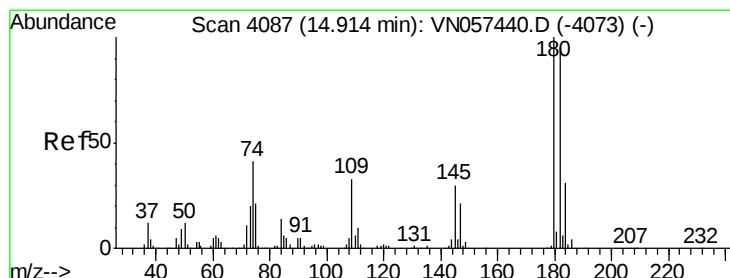
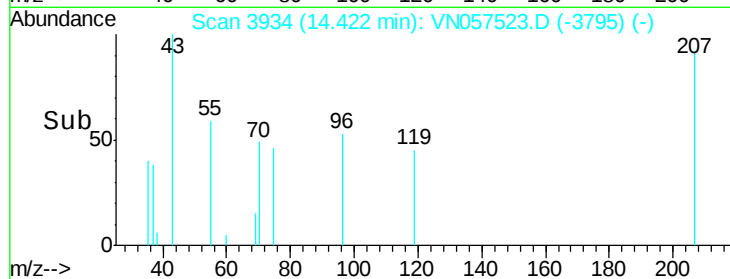
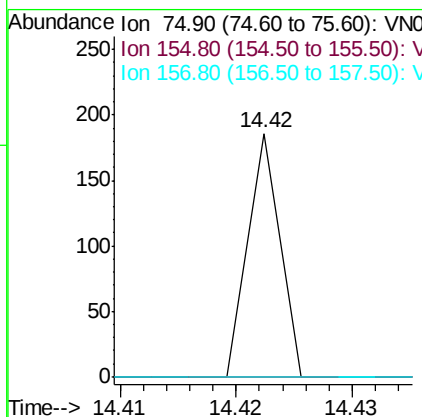
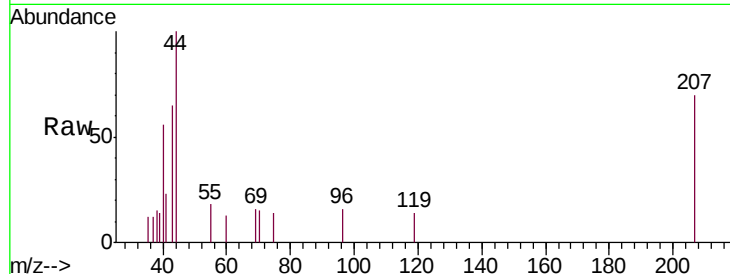




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.42 min Scan# 3934
 Delta R.T. 0.15 min
 Lab File: VN057523.D
 Acq: 26 Aug 2019 20:47

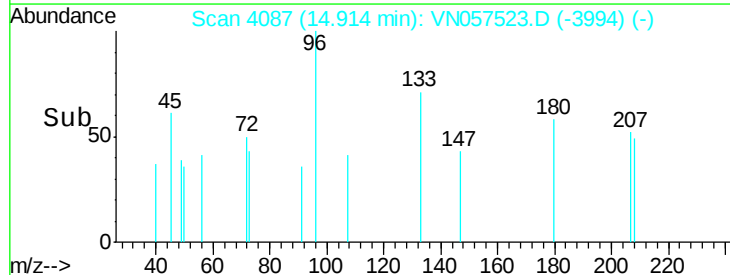
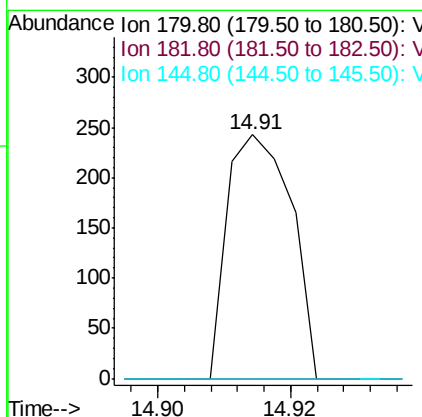
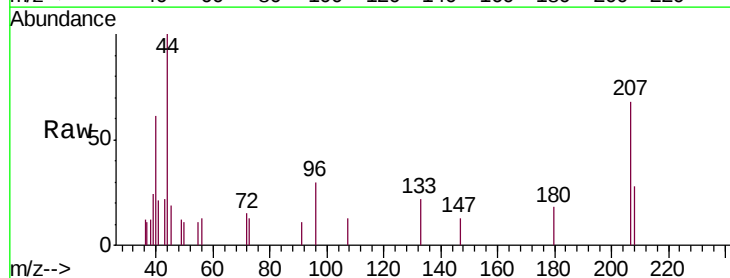
Instrument :
 MSVOA_N
 ClientSampleId :
 T9-12-13-H-(1.9)

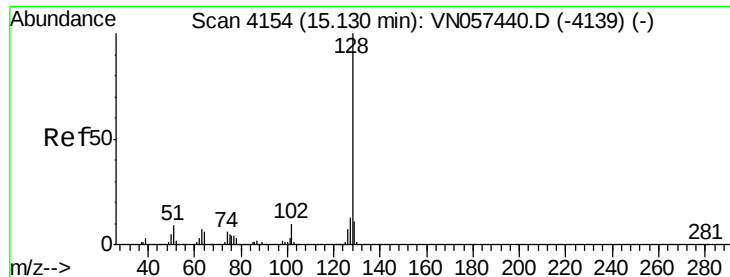
Tgt Ion: 75 Resp: 36
 Ion Ratio Lower Upper
 75 100
 155 0.0 31.6 94.7#
 157 0.0 43.3 129.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 5.462 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057523.D
 Acq: 26 Aug 2019 20:47

Tgt Ion: 180 Resp: 163
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.7 140.1#
 145 0.0 15.6 46.8#

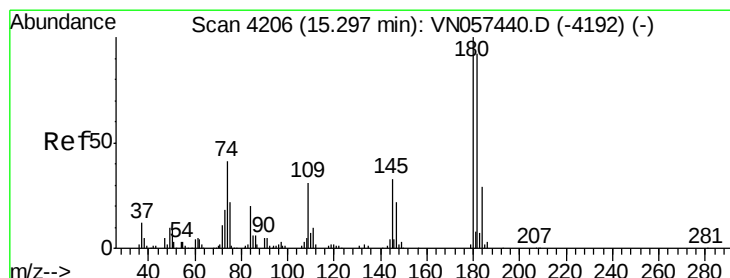
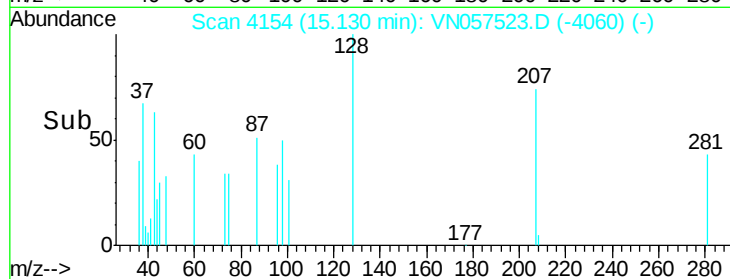
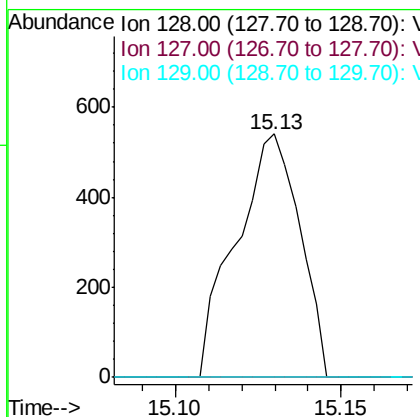
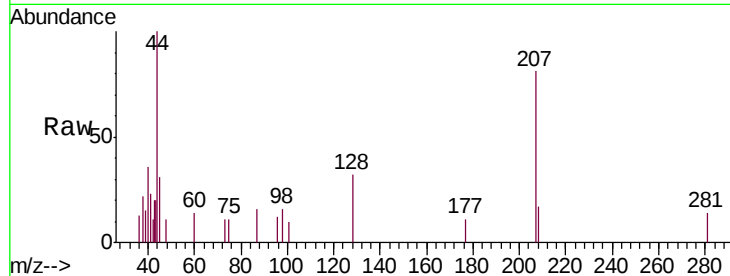




#95
Naphthalene
Concen: 4.468 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057523.D
Acq: 26 Aug 2019 20:47

Instrument :
MSVOA_N
ClientSampled :
T9-12-13-H-(1.9)

Tgt Ion:128 Resp: 725
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 5.194 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN057523.D
Acq: 26 Aug 2019 20:47

Tgt Ion:180 Resp: 141
Ion Ratio Lower Upper
180 100
182 76.6 46.7 140.1
145 52.5 16.8 50.3#

