

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100319\
 Data File : VN058523.D
 Acq On : 3 Oct 2019 20:08
 Operator : JC/SP
 Sample : K5176-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30464-67

Quant Time: Oct 04 03:23:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	369991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	604107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	528769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	228469	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	262433	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
35) Dibromofluoromethane	7.57	113	185100	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	10.08	98	751340	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
62) 4-Bromofluorobenzene	12.41	95	263267	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	

Target Compounds					Qvalue
3) Chloromethane	2.03	50	2659	0.596 ug/l	90
11) Tert butyl alcohol	4.76	59	25685	42.762 ug/l	98
13) Acrolein	3.60	56	249	1.303 ug/l #	44
14) Allyl chloride	4.25	41	3511	0.553 ug/l #	20
16) Acetone	3.80	43	209742	113.796 ug/l	99
17) Carbon Disulfide	4.04	76	31737	3.449 ug/l	97
18) Methyl Acetate	4.31	43	3042	0.656 ug/l #	87
20) Methylene Chloride	4.53	84	55374	13.019 ug/l	98
25) 2-Butanone	6.82	43	42181	16.669 ug/l	94
28) Bromochloromethane	7.35	49	12410	4.036 ug/l #	16
29) Tetrahydrofuran	7.19	42	1369	0.852 ug/l #	54
30) Chloroform	7.36	83	135014	17.320 ug/l	100
31) Cyclohexane	7.65	56	11129	1.487 ug/l #	16
36) 1,1-Dichloropropene	7.65	75	31228	5.406 ug/l #	51
37) Ethyl Acetate	6.82	43	42181	8.613 ug/l #	71
38) Carbon Tetrachloride	7.65	117	39056	7.490 ug/l #	16
40) Benzene	8.02	78	4777	0.288 ug/l	91
41) Methacrylonitrile	7.18	41	4413	1.959 ug/l #	29
43) Isopropyl Acetate	8.23	43	53713	5.832 ug/l #	63
48) Methyl methacrylate	9.16	41	12474	2.975 ug/l #	42
51) 4-Methyl-2-Pentanone	9.98	43	45943	9.712 ug/l	99
52) Toluene	10.15	92	69213	6.623 ug/l	99
56) Ethyl methacrylate	10.35	69	10593	1.834 ug/l #	61
57) 1,3-Dichloropropane	10.80	76	13426	1.978 ug/l #	48
59) 2-Hexanone	10.60	43	52839	15.340 ug/l	74
60) Dibromochloromethane	10.88	129	154	Below Cal	59
64) Tetrachloroethene	10.63	164	1936	0.576 ug/l #	87
67) Ethyl Benzene	11.51	91	6509	0.342 ug/l	95
68) m/p-Xylenes	11.62	106	23114	3.227 ug/l	99
69) o-Xylene	11.95	106	6403	0.929 ug/l	95
71) Bromoform	12.15	173	259	0.799 ug/l #	29
74) N-amyl acetate	12.03	43	24598	3.662 ug/l #	45
76) 1,2,3-Trichloropropane	12.41	75	140244	33.607 ug/l #	100
80) 1,3,5-Trimethylbenzene	12.74	105	5324	0.377 ug/l	86

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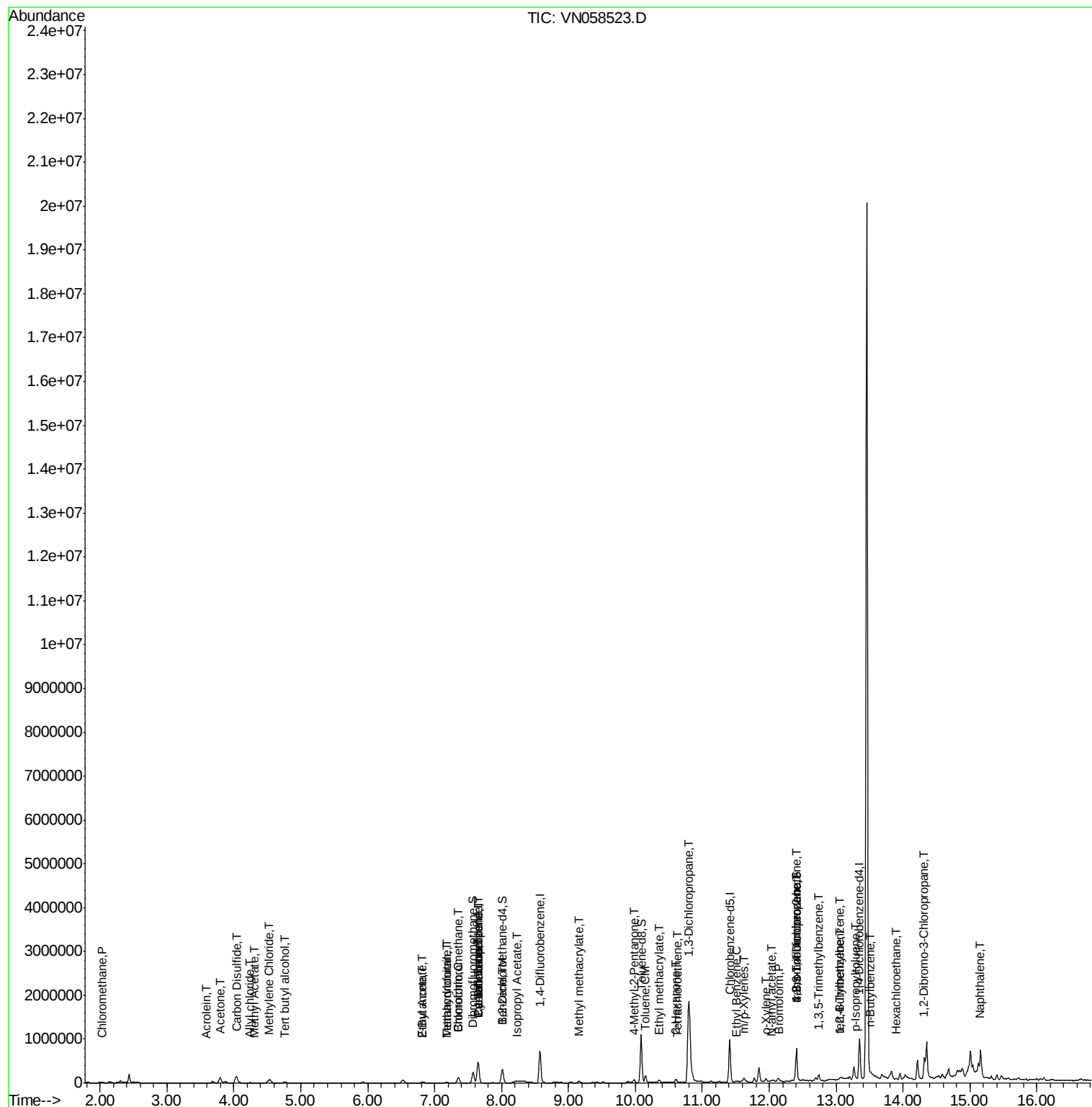
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	12.41	75	140244	102.070	ug/l #	8
83) tert-Butylbenzene	13.05	119	2775	0.233	ug/l	95
84) 1,2,4-Trimethylbenzene	13.05	105	25852	1.826	ug/l	81
86) p-Isopropyltoluene	13.30	119	21596	1.563	ug/l #	73
89) n-Butylbenzene	13.51	91	3892	0.311	ug/l	84
90) Hexachloroethane	13.89	117	968	0.466	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.30	75	362	0.411	ug/l #	1
95) Naphthalene	15.14	128	21005	1.854	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	92	Below Cal	#	1

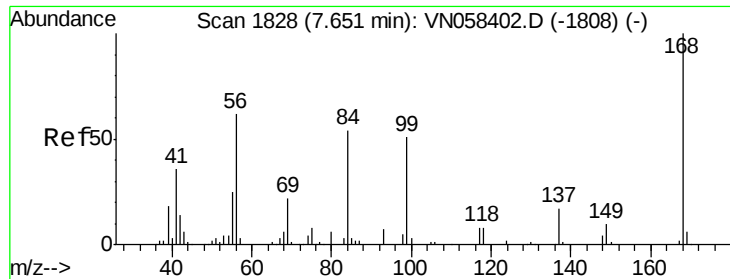
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058523.D

Acq: 3 Oct 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

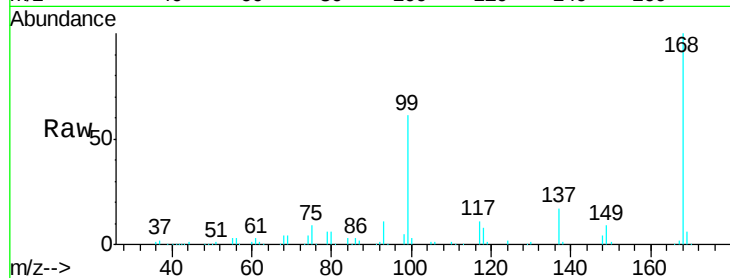
30464-67

Tgt Ion:168 Resp: 369991

Ion Ratio Lower Upper

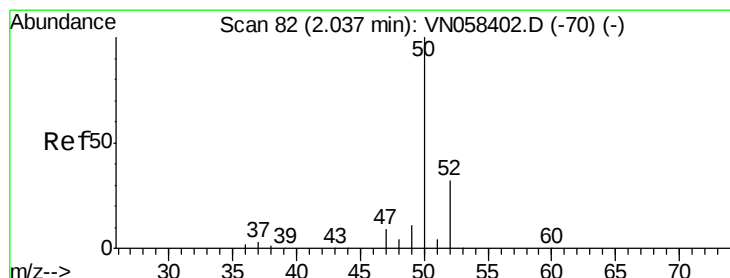
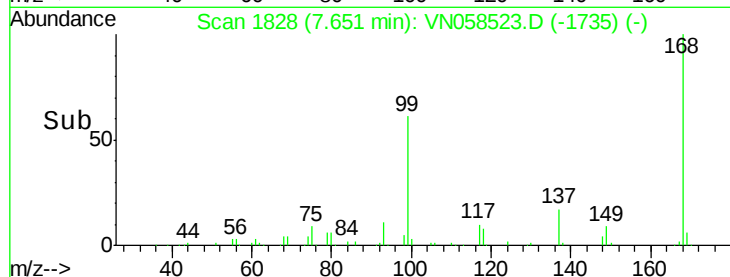
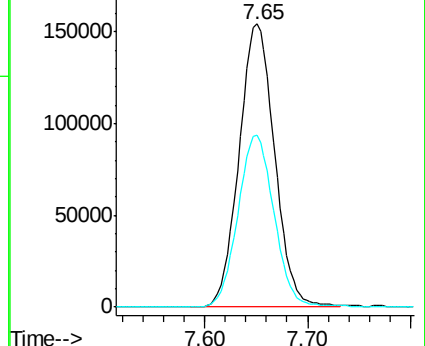
168 100

99 60.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.596 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058523.D

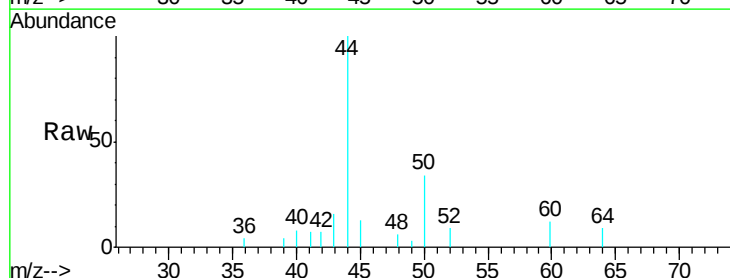
Acq: 3 Oct 2019 20:08

Tgt Ion: 50 Resp: 2659

Ion Ratio Lower Upper

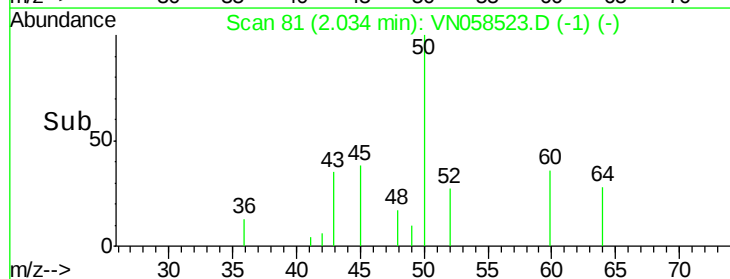
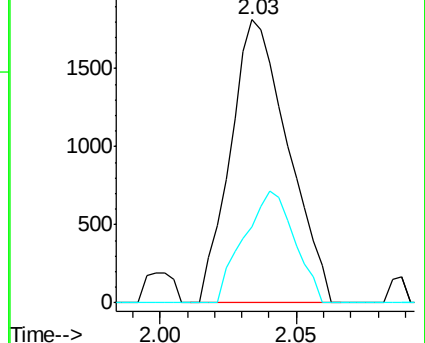
50 100

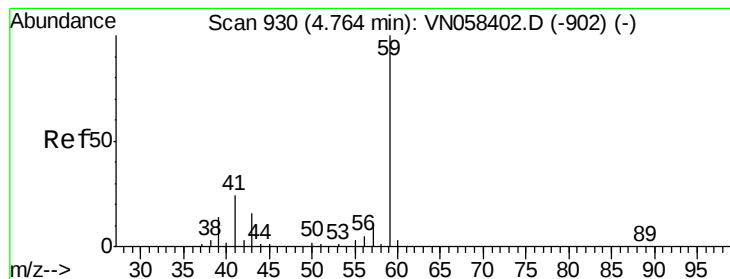
52 26.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



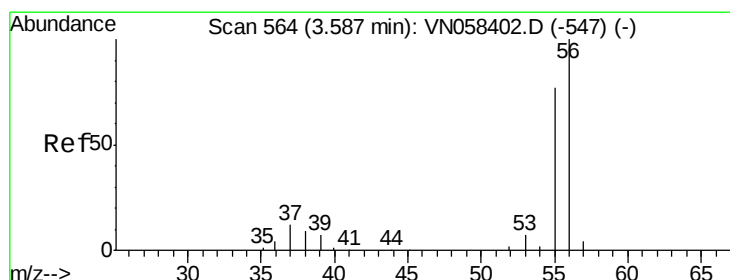
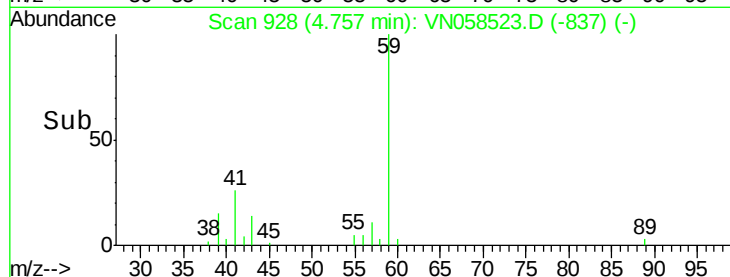
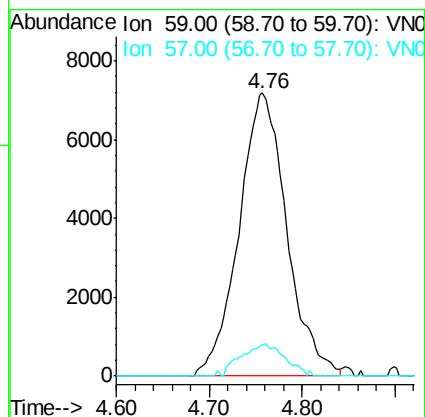
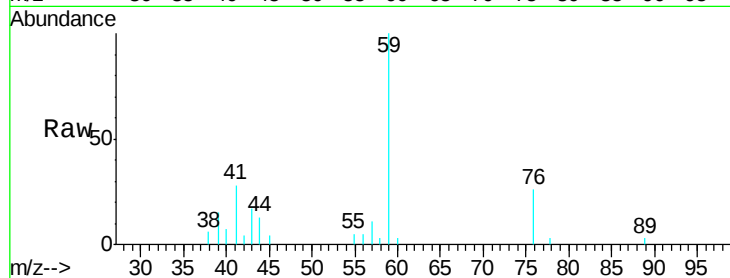


#11

Tert butyl alcohol
 Concen: 42.762 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN058523.D
 Acq: 3 Oct 2019 20:08

Instrument :
 MSVOA_N
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 30464-67

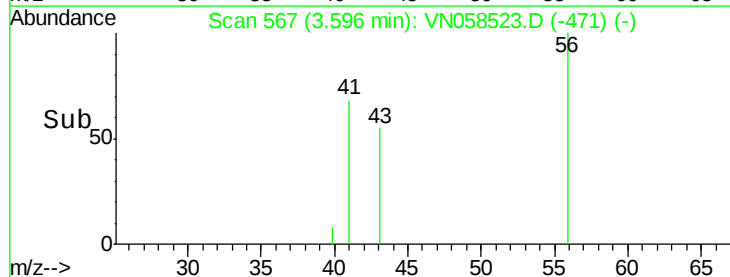
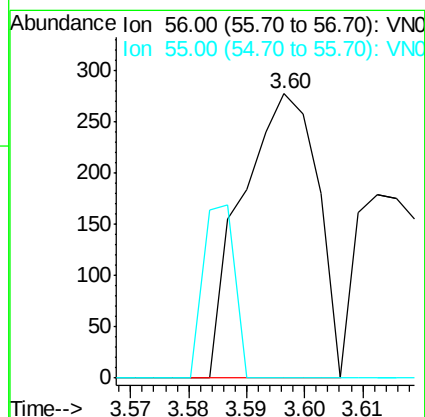
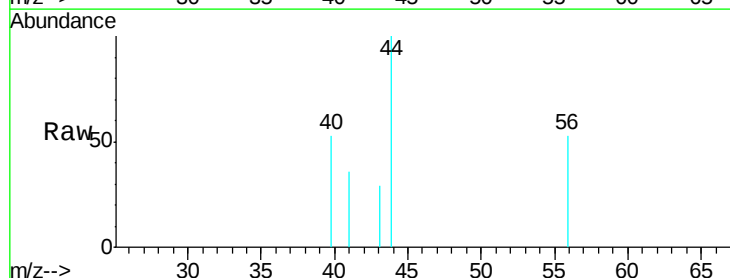
Tgt Ion: 59 Resp: 25685
 Ion Ratio Lower Upper
 59 100
 57 10.5 9.0 13.4

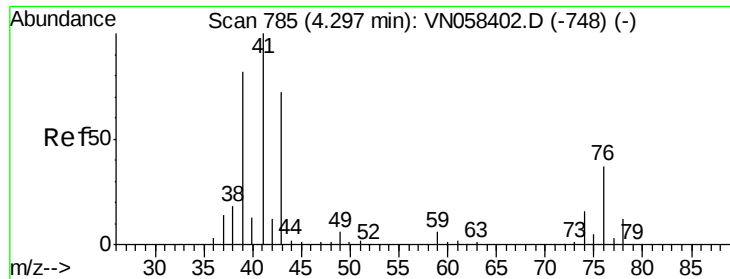


#13

Acrolein
 Concen: 1.303 ug/l
 RT: 3.60 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VN058523.D
 Acq: 3 Oct 2019 20:08

Tgt Ion: 56 Resp: 249
 Ion Ratio Lower Upper
 56 100
 55 25.7 58.3 87.5#

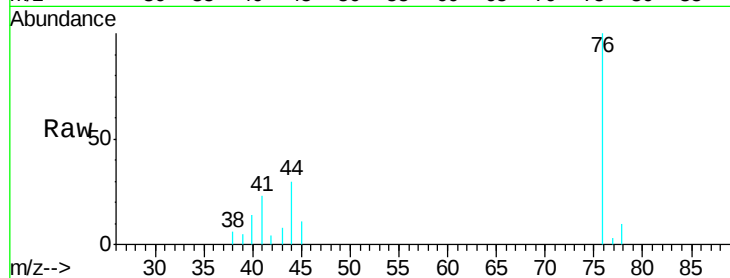




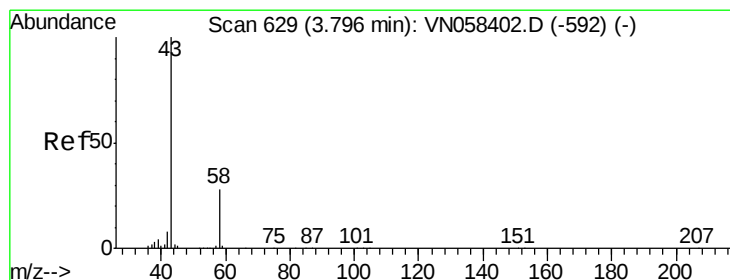
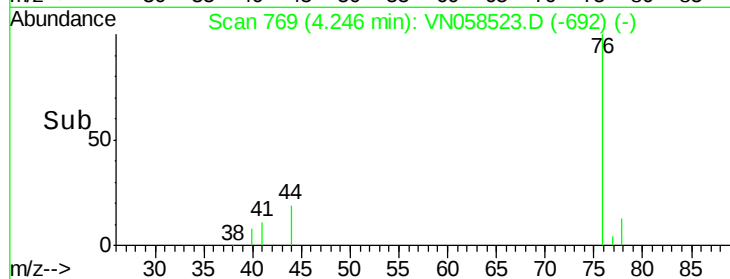
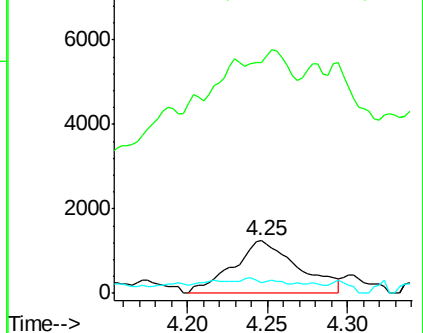
#14
 Allyl chloride
 Concen: 0.553 ug/l
 RT: 4.25 min Scan# 769
 Delta R.T. -0.05 min
 Lab File: VN058523.D
 Acq: 3 Oct 2019 20:08

Instrument :
 MSVOA_N
 ClientSampleId :
 30464-67

Tgt Ion: 41 Resp: 3511
 Ion Ratio Lower Upper
 41 100
 39 0.0 62.3 93.5#
 76 0.0 26.9 40.3#

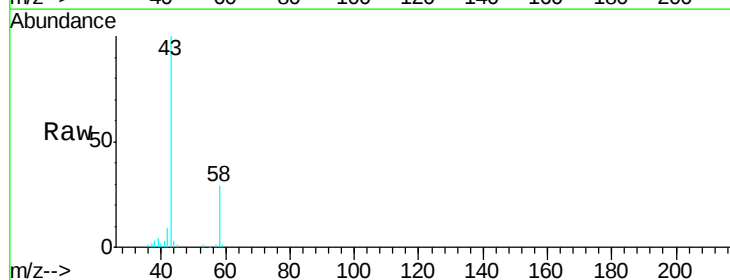


Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0
 Ion 75.90 (75.60 to 76.60): VN0

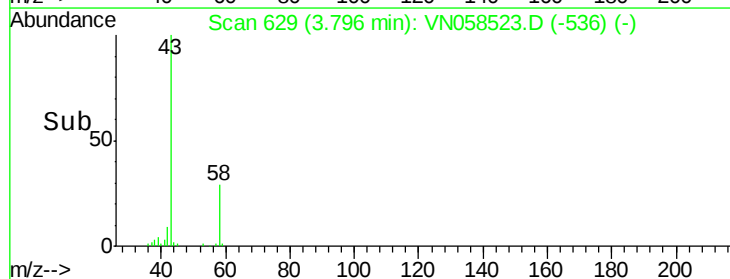
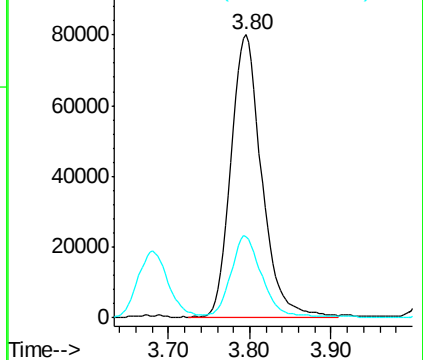


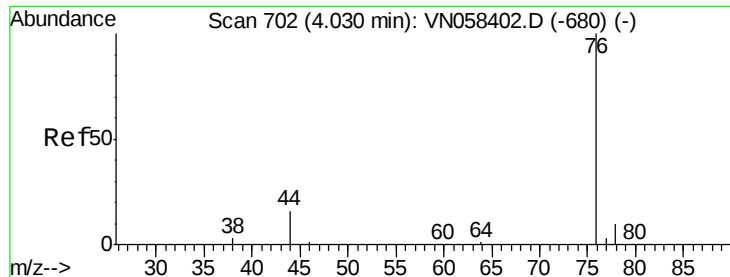
#16
 Acetone
 Concen: 113.796 ug/l
 RT: 3.80 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VN058523.D
 Acq: 3 Oct 2019 20:08

Tgt Ion: 43 Resp: 209742
 Ion Ratio Lower Upper
 43 100
 58 28.4 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 3.449 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.01 min

Lab File: VN058523.D

Acq: 3 Oct 2019 20:08

Instrument :

MSVOA_N

ClientSampled :

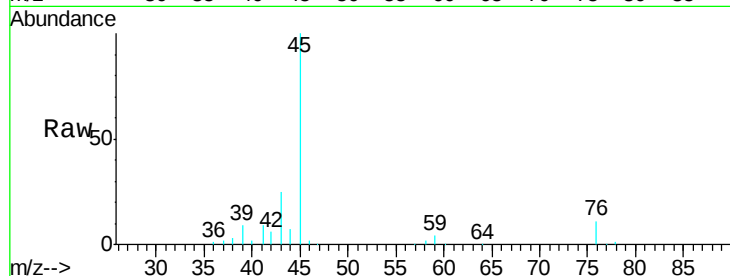
30464-67

Tgt Ion: 76 Resp: 31737

Ion Ratio Lower Upper

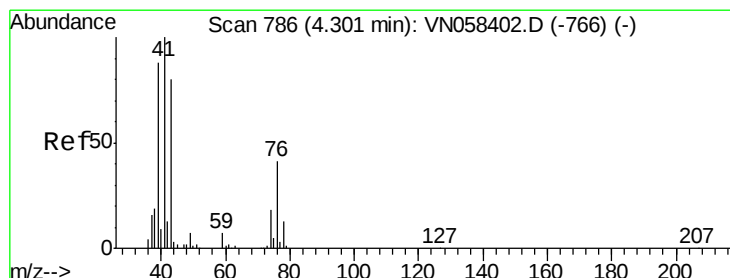
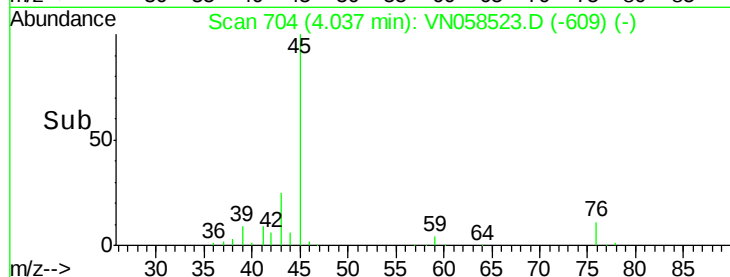
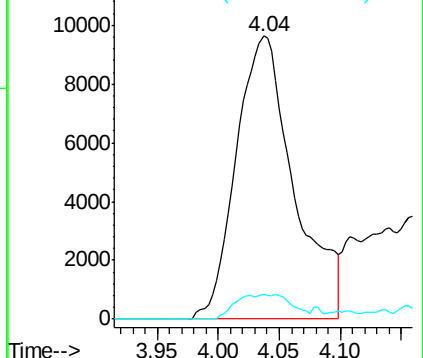
76 100

78 8.6 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.656 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.01 min

Lab File: VN058523.D

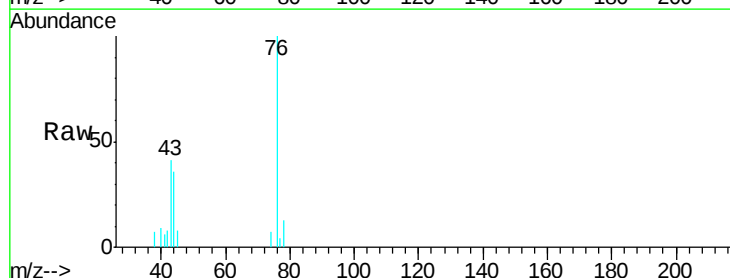
Acq: 3 Oct 2019 20:08

Tgt Ion: 43 Resp: 3042

Ion Ratio Lower Upper

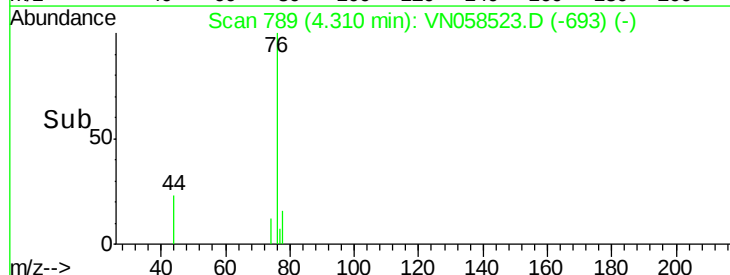
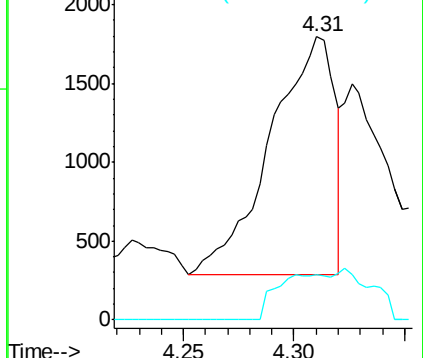
43 100

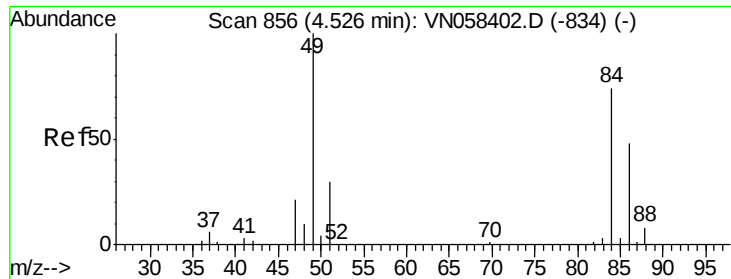
74 16.1 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



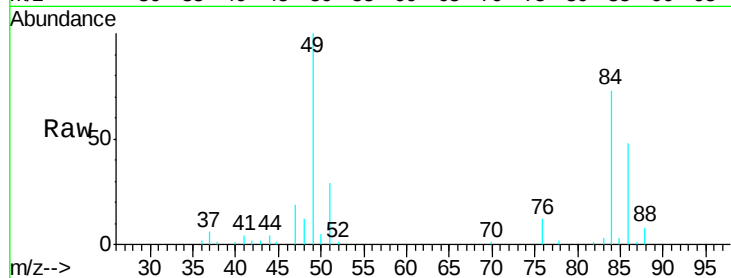


#20
Methylene Chloride
Concen: 13.019 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058523.D
Acq: 3 Oct 2019 20:08

Instrument :
MSVOA_N
ClientSampleId :
30464-67

Tgt Ion: 84 Resp: 55374

Ion	Ratio	Lower	Upper
84	100		
49	137.8	107.9	161.9
51	40.6	32.8	49.2
86	66.6	51.5	77.3

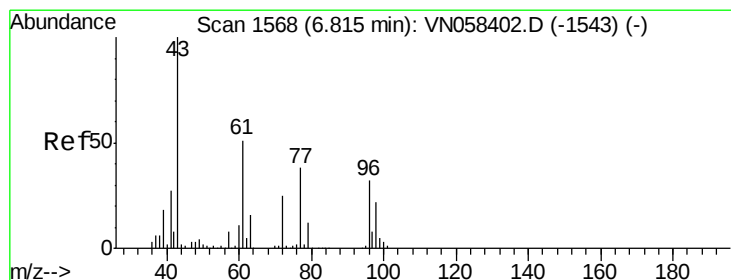
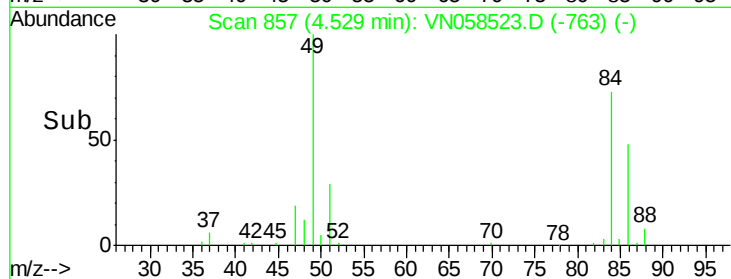
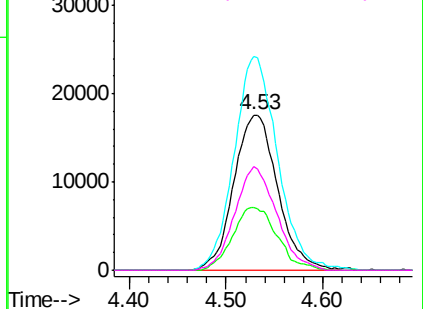


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

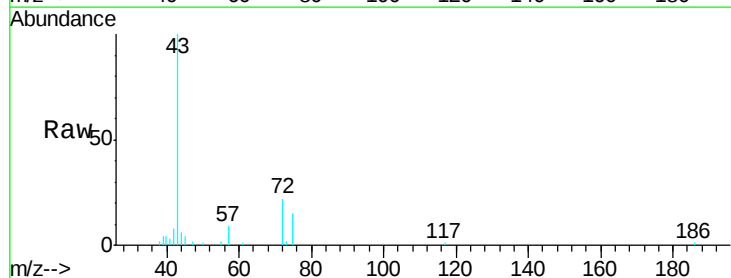
Ion 85.90 (85.60 to 86.60): VN0



#25
2-Butanone
Concen: 16.669 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN058523.D
Acq: 3 Oct 2019 20:08

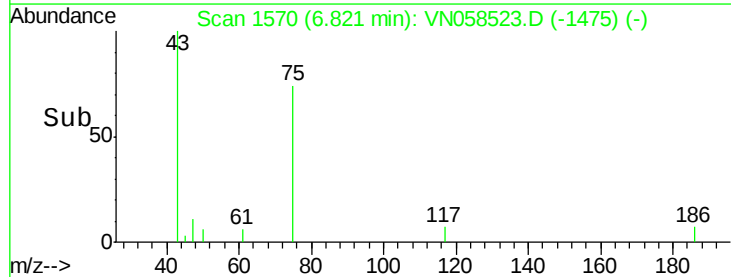
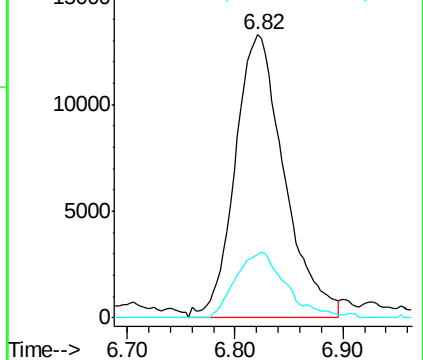
Tgt Ion: 43 Resp: 42181

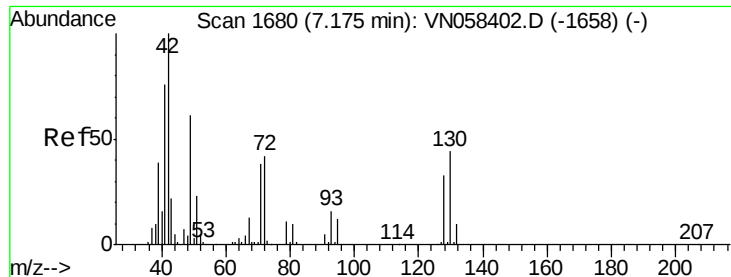
Ion	Ratio	Lower	Upper
43	100		
72	22.4	20.2	30.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#28

Bromochloromethane

Concen: 4.036 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.18 min

Lab File: VN058523.D

Acq: 3 Oct 2019 20:08

Instrument :

MSVOA_N

ClientSampled :

30464-67

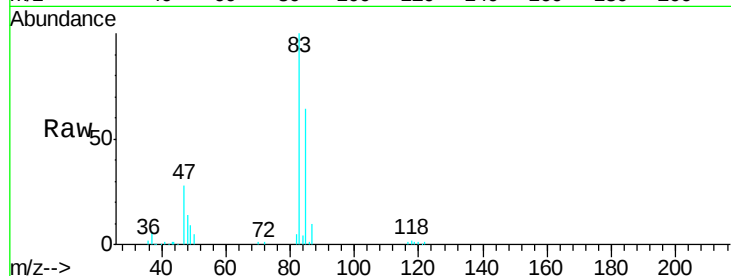
Tgt Ion: 49 Resp: 12410

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

130 0.0 56.3 84.5#



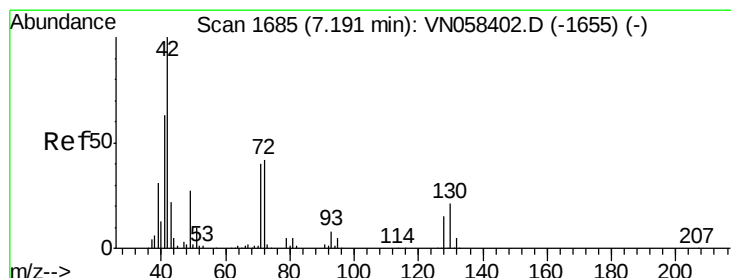
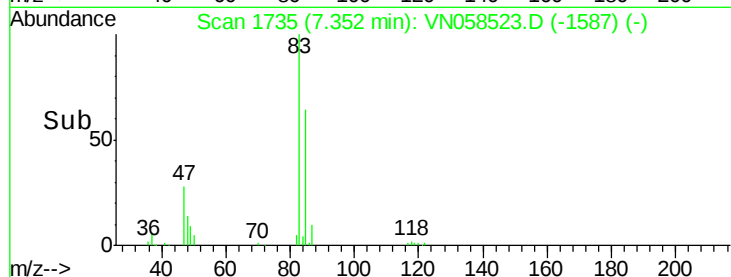
Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): VN0

Ion 129.80 (129.50 to 130.50): VN0

7.35

Time--> 7.25 7.30 7.35 7.40 7.45



#29

Tetrahydrofuran

Concen: 0.852 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN058523.D

Acq: 3 Oct 2019 20:08

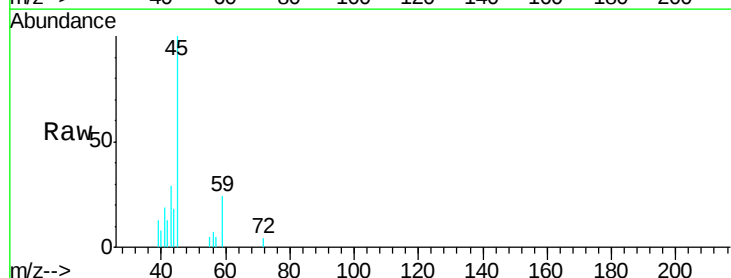
Tgt Ion: 42 Resp: 1369

Ion Ratio Lower Upper

42 100

72 23.4 33.7 50.5#

71 0.0 31.8 47.6#



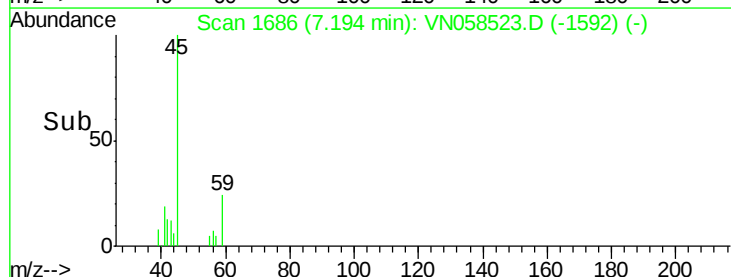
Abundance Ion 42.00 (41.70 to 42.70): VN0

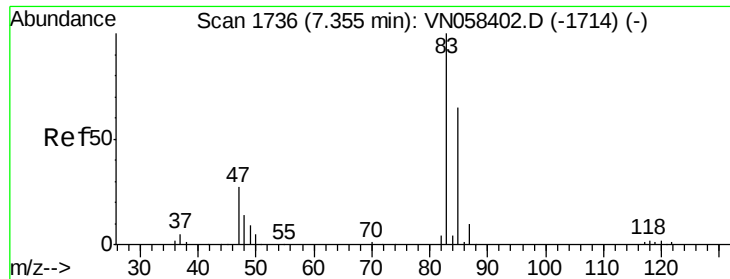
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

7.19

Time--> 7.15 7.20 7.25

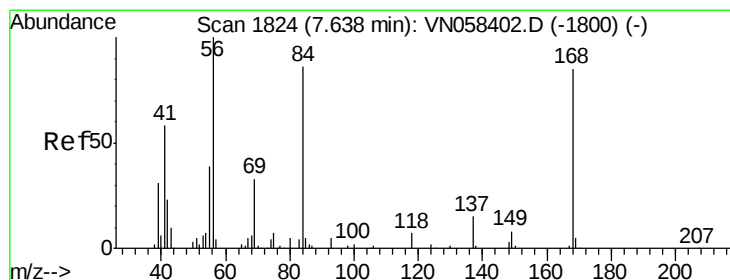
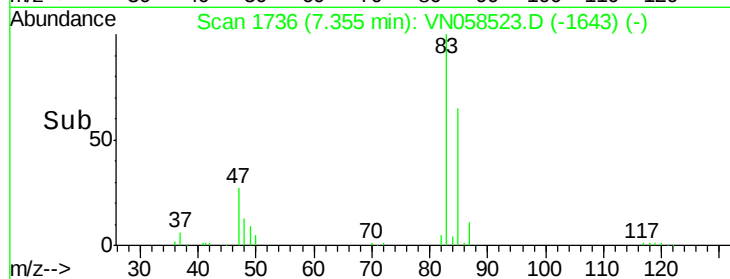
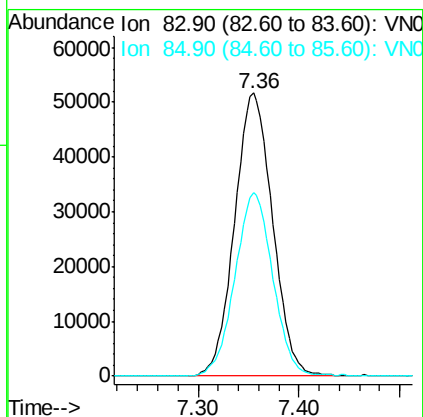
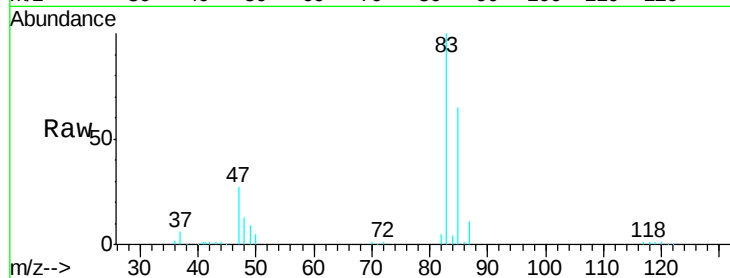




#30
Chloroform
Concen: 17.320 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058523.D
Acq: 3 Oct 2019 20:08

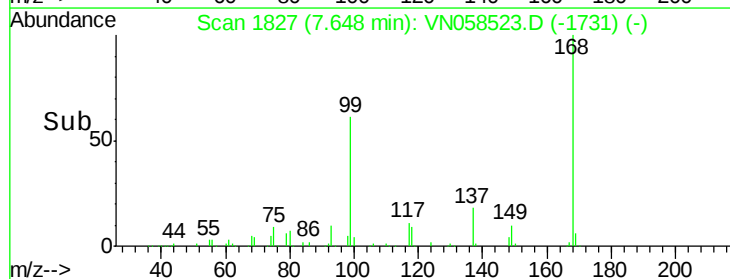
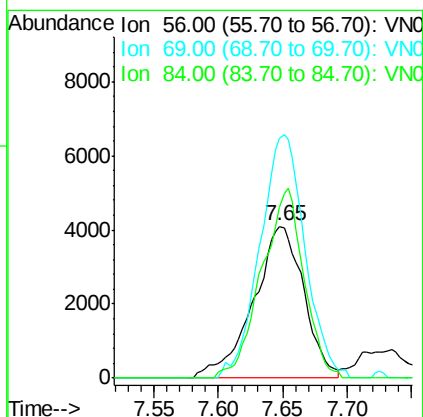
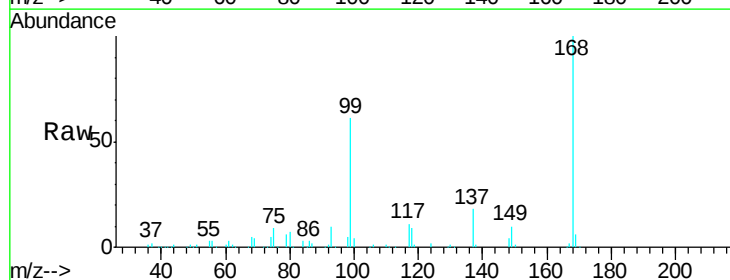
Instrument :
MSVOA_N
ClientSampled :
30464-67

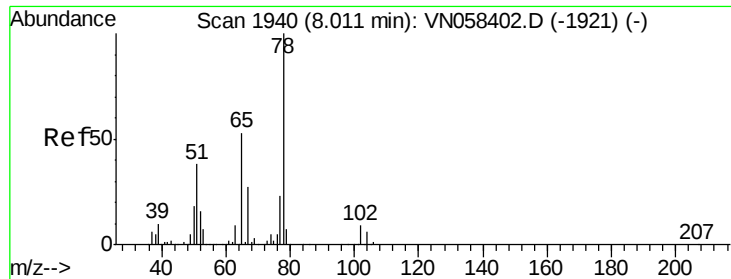
Tgt Ion: 83 Resp: 135014
Ion Ratio Lower Upper
83 100
85 64.8 52.0 78.0



#31
Cyclohexane
Concen: 1.487 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058523.D
Acq: 3 Oct 2019 20:08

Tgt Ion: 56 Resp: 11129
Ion Ratio Lower Upper
56 100
69 158.2 26.2 39.4#
84 112.3 67.6 101.4#





#33

1,2-Dichloroethane-d4

Concen: 48.537 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058523.D

Acq: 3 Oct 2019 20:08

Instrument :

MSVOA_N

ClientSampled :

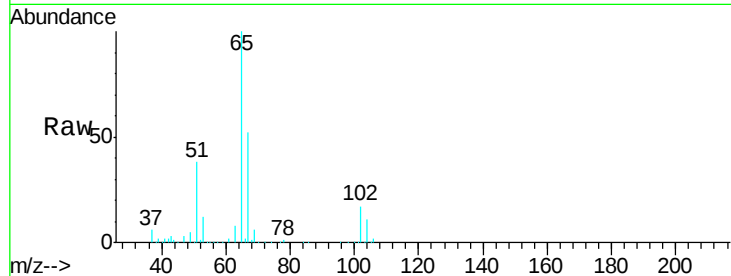
30464-67

Tgt Ion: 65 Resp: 262433

Ion Ratio Lower Upper

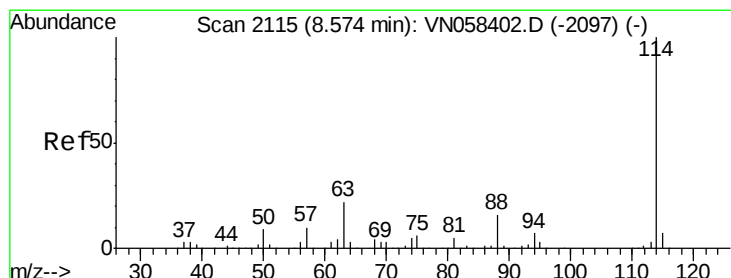
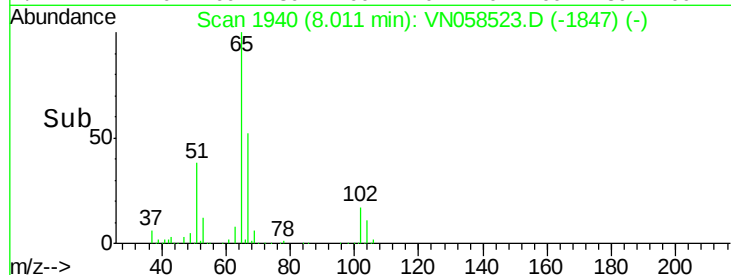
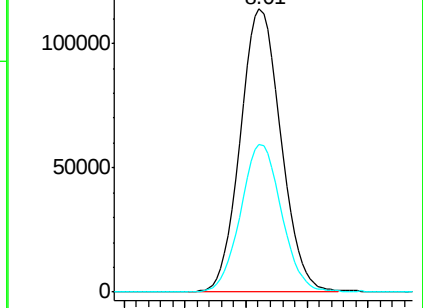
65 100

67 52.5 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN058402.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN058402.D (-1921) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058523.D

Acq: 3 Oct 2019 20:08

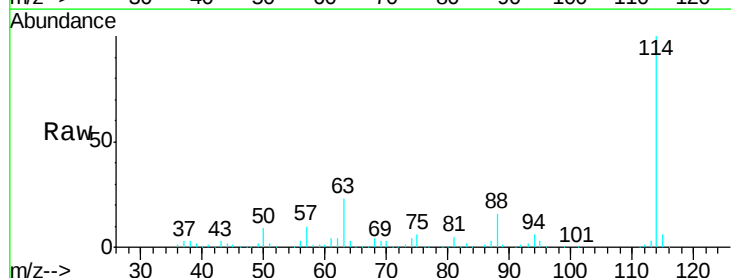
Tgt Ion: 114 Resp: 604107

Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.0

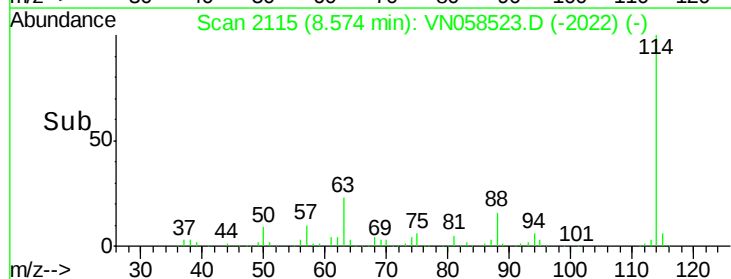
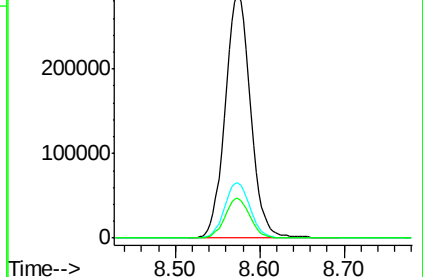
88 16.3 0.0 32.2

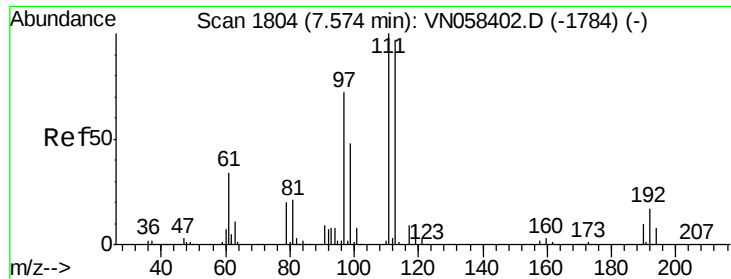


Abundance Ion 113.90 (113.60 to 114.60): VN058402.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058402.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058402.D (-2097) (-)

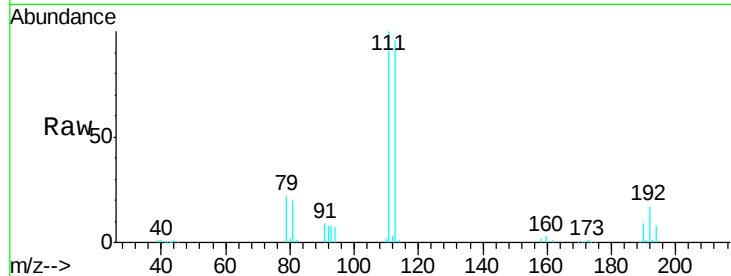




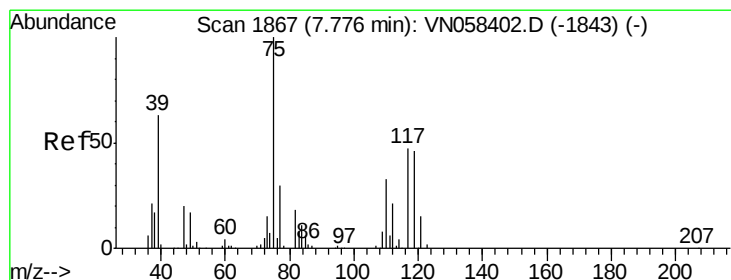
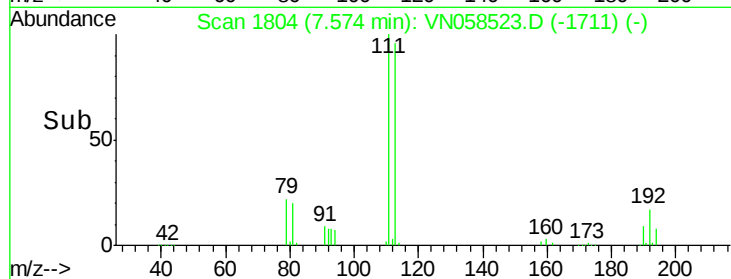
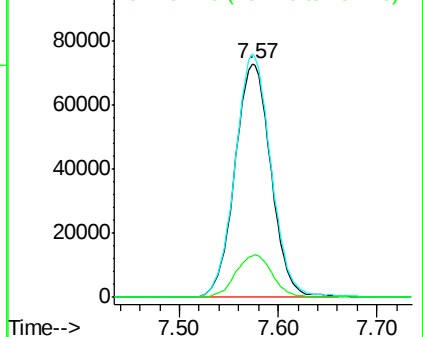
#35
 Dibromofluoromethane
 Concen: 49.993 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058523.D
 Acq: 3 Oct 2019 20:08

Instrument :
 MSVOA_N
 ClientSampleId :
 30464-67

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.4	125.2
192	18.4	14.9	22.3

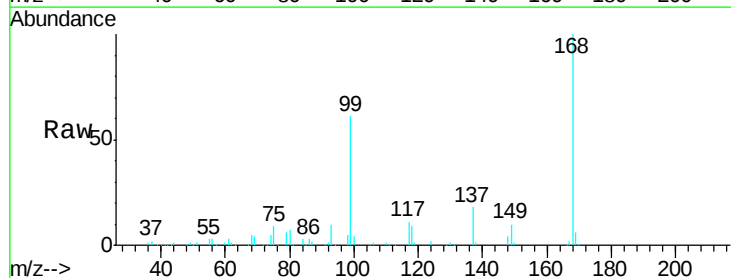


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

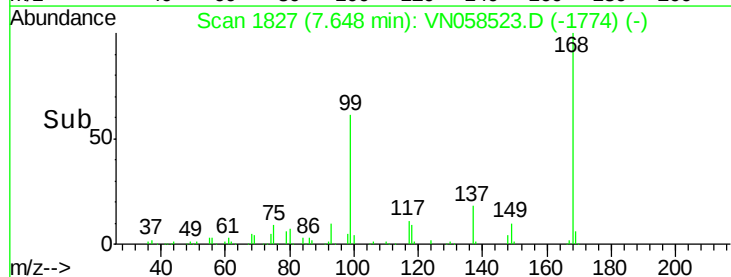
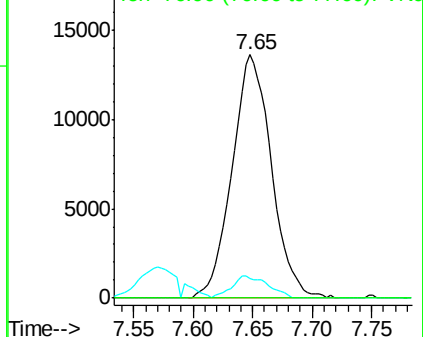


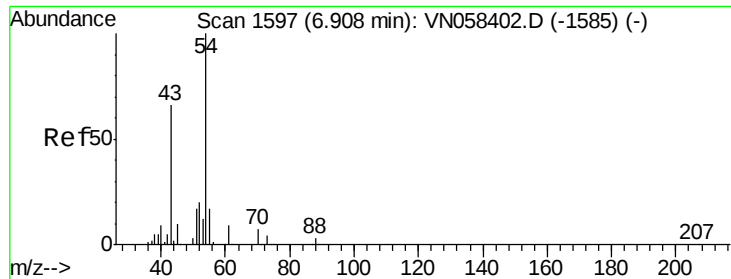
#36
 1,1-Dichloropropene
 Concen: 5.406 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058523.D
 Acq: 3 Oct 2019 20:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.4	49.2#
77	0.0	24.3	36.5#



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

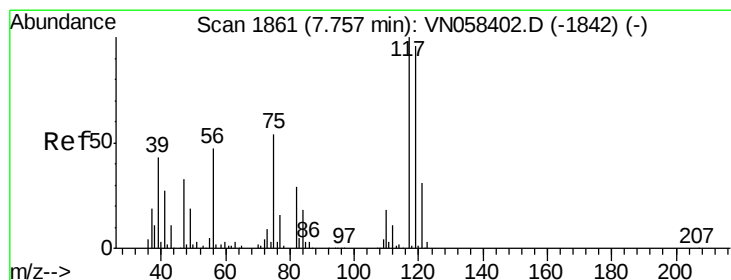
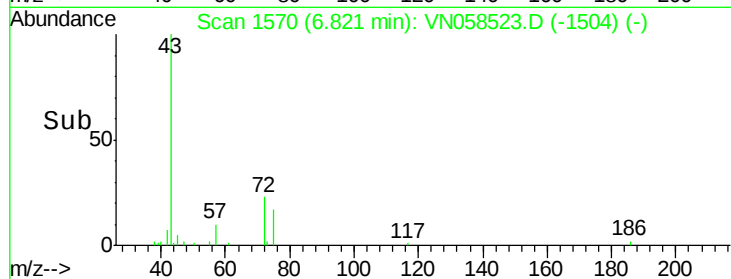
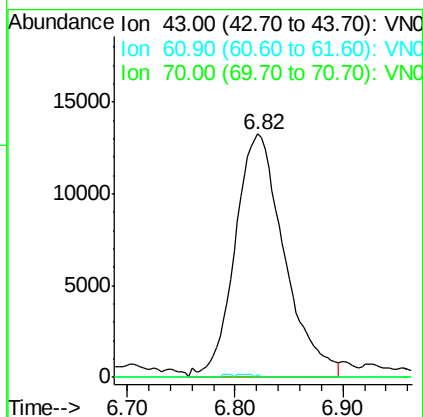
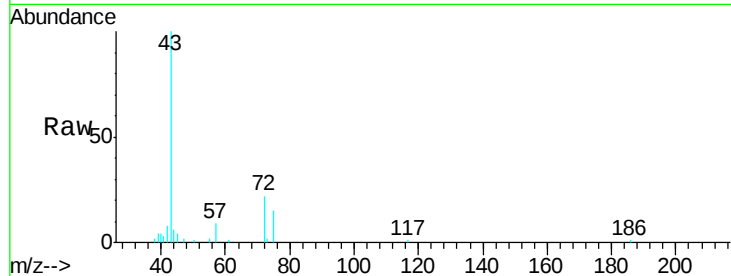




#37
 Ethyl Acetate
 Concen: 8.613 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.09 min
 Lab File: VN058523.D
 Acq: 3 Oct 2019 20:08

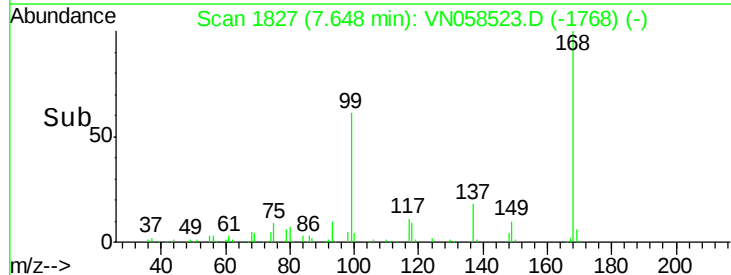
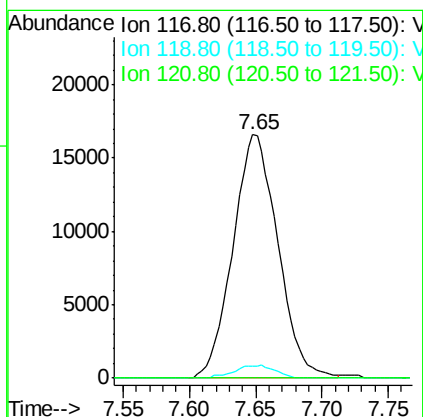
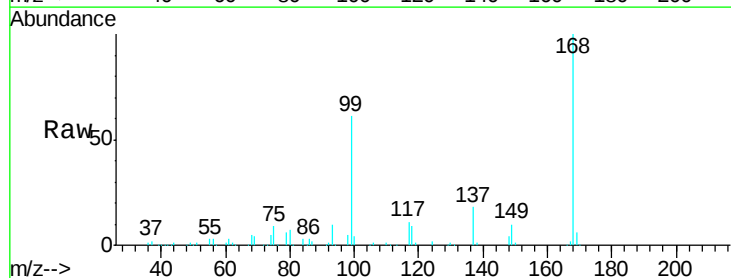
Instrument :
 MSVOA_N
 ClientSampleId :
 30464-67

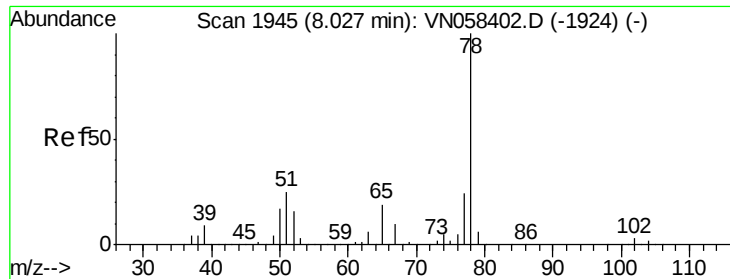
Tgt Ion: 43 Resp: 42181
 Ion Ratio Lower Upper
 43 100
 61 0.4 10.5 15.7#
 70 0.0 7.8 11.6#



#38
 Carbon Tetrachloride
 Concen: 7.490 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058523.D
 Acq: 3 Oct 2019 20:08

Tgt Ion: 117 Resp: 39056
 Ion Ratio Lower Upper
 117 100
 119 4.9 76.6 115.0#
 121 0.0 24.7 37.1#





#40

Benzene

Concen: 0.288 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN058523.D

Acq: 3 Oct 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

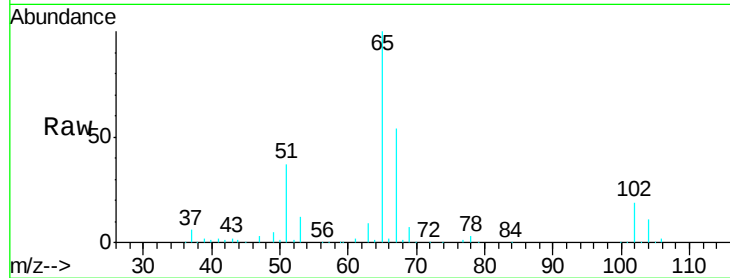
30464-67

Tgt Ion: 78 Resp: 4777

Ion Ratio Lower Upper

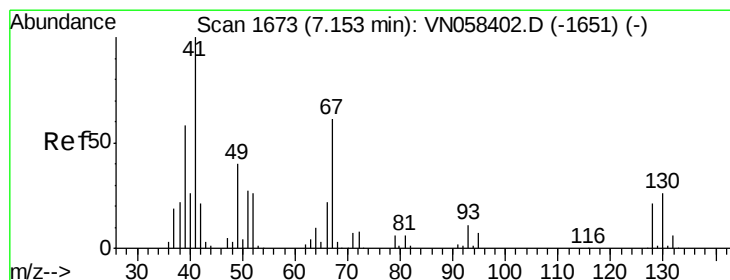
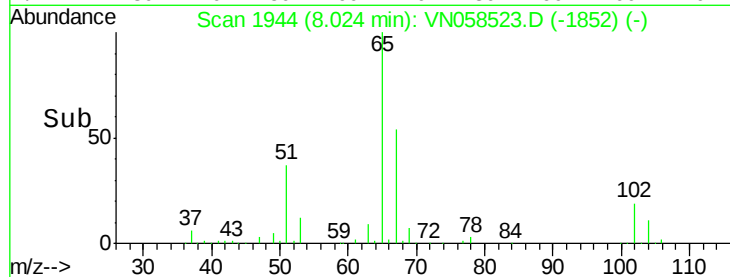
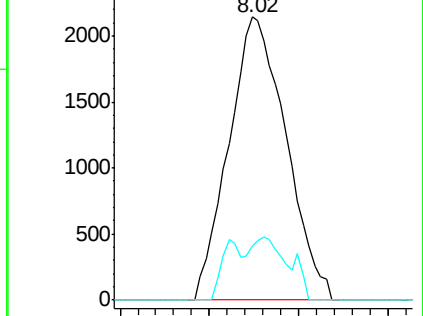
78 100

77 19.3 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#41

Methacrylonitrile

Concen: 1.959 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.03 min

Lab File: VN058523.D

Acq: 3 Oct 2019 20:08

Tgt Ion: 41 Resp: 4413

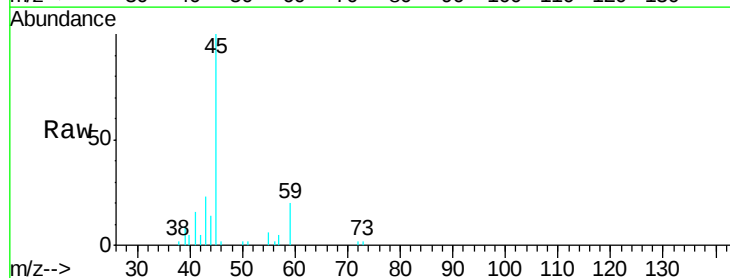
Ion Ratio Lower Upper

41 100

39 30.9 50.2 75.4#

67 0.0 70.2 105.4#

52 0.0 31.4 47.0#

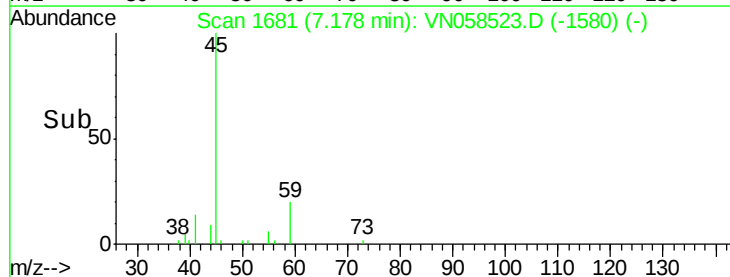
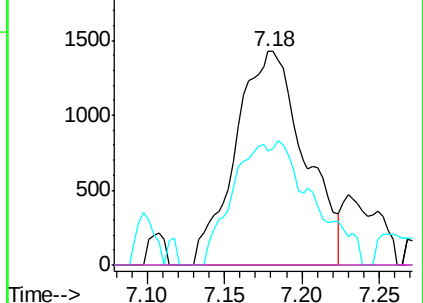


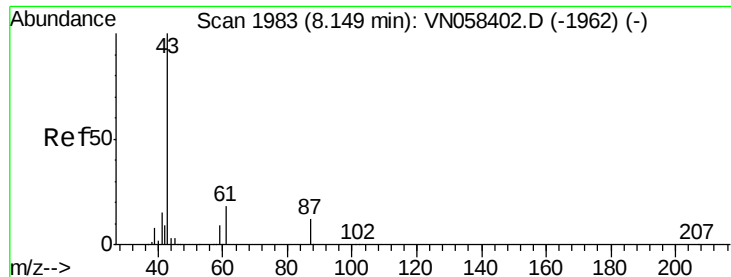
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

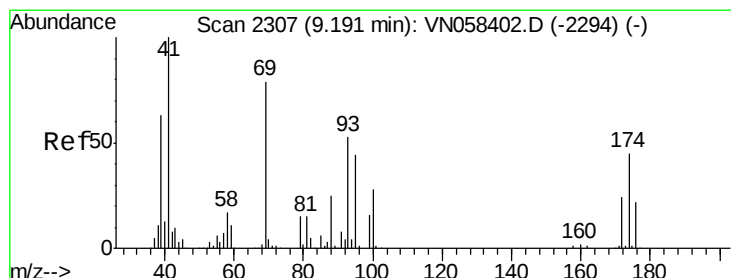
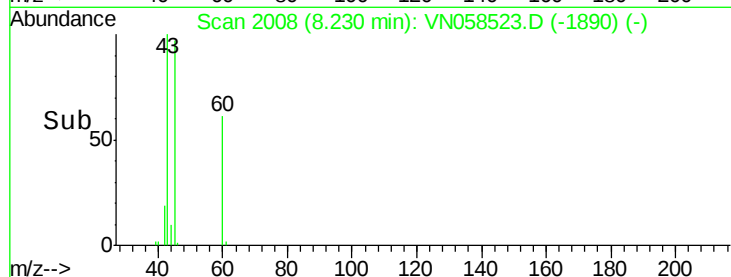
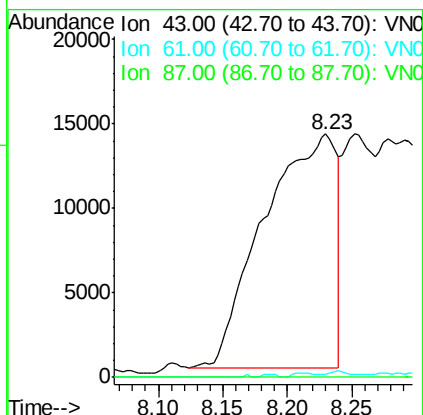
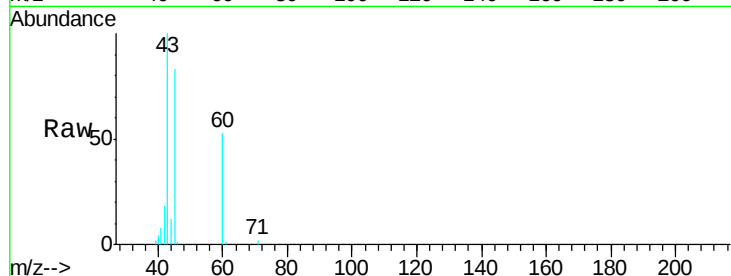




#43
Isopropyl Acetate
Concen: 5.832 ug/l
RT: 8.23 min Scan# 2008
Delta R.T. 0.08 min
Lab File: VN058523.D
Acq: 3 Oct 2019 20:08

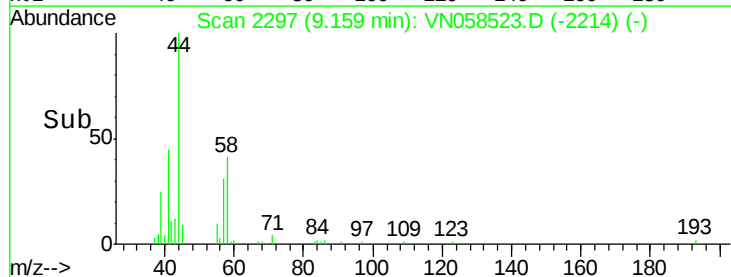
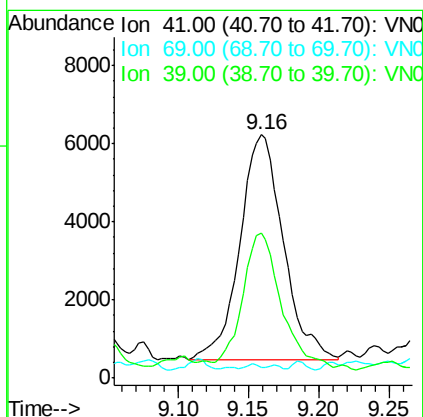
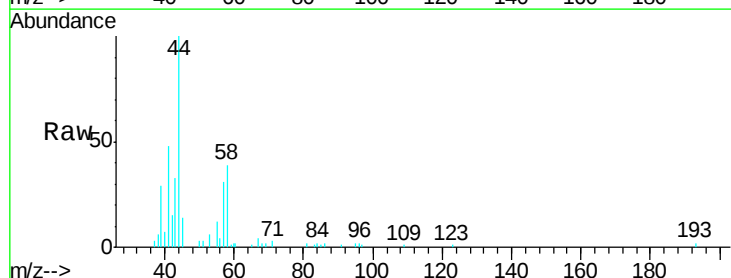
Instrument :
MSVOA_N
ClientSampleId :
30464-67

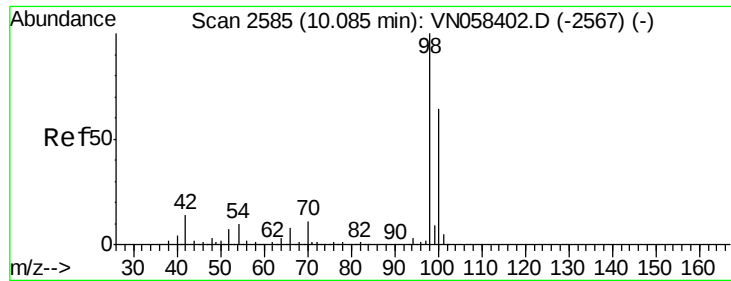
Tgt Ion: 43 Resp: 53713
Ion Ratio Lower Upper
43 100
61 0.5 14.8 22.2#
87 0.0 9.7 14.5#



#48
Methyl methacrylate
Concen: 2.975 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.03 min
Lab File: VN058523.D
Acq: 3 Oct 2019 20:08

Tgt Ion: 41 Resp: 12474
Ion Ratio Lower Upper
41 100
69 0.5 64.7 97.1#
39 52.3 52.9 79.3#





#50

Toluene-d8

Concen: 51.801 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058523.D

Acq: 3 Oct 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

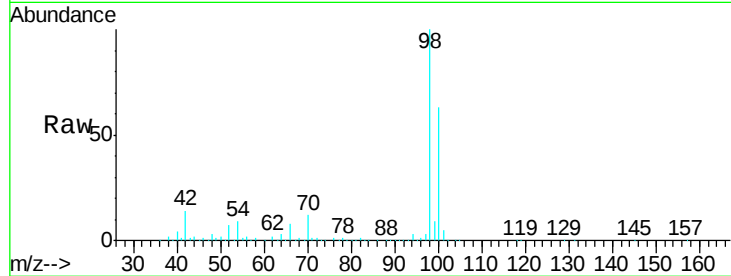
30464-67

Tgt Ion: 98 Resp: 751340

Ion Ratio Lower Upper

98 100

100 63.3 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN058402.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN058402.D (-2567) (-)

10.08

400000

300000

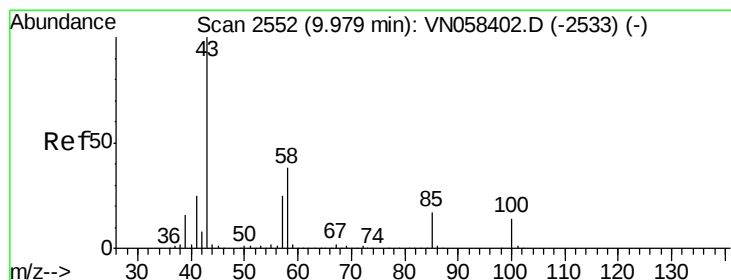
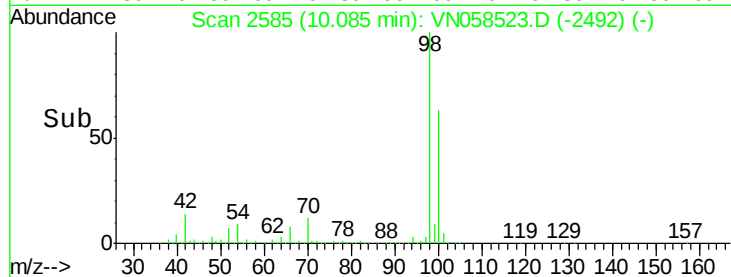
200000

100000

0

10.00 10.10 10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 9.712 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058523.D

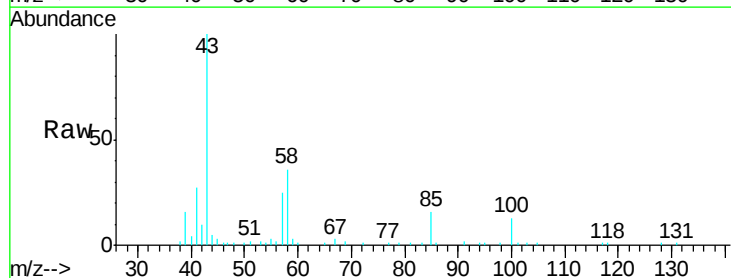
Acq: 3 Oct 2019 20:08

Tgt Ion: 43 Resp: 45943

Ion Ratio Lower Upper

43 100

58 38.4 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058402.D (-2533) (-)

9.98

30000

25000

20000

15000

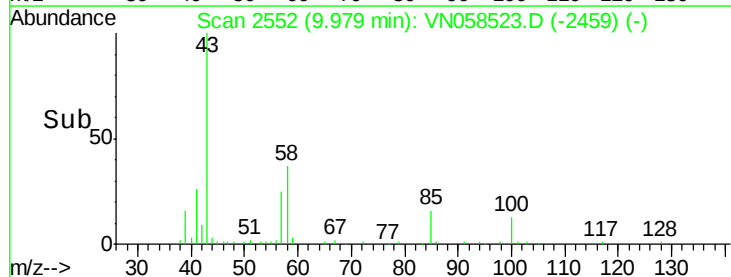
10000

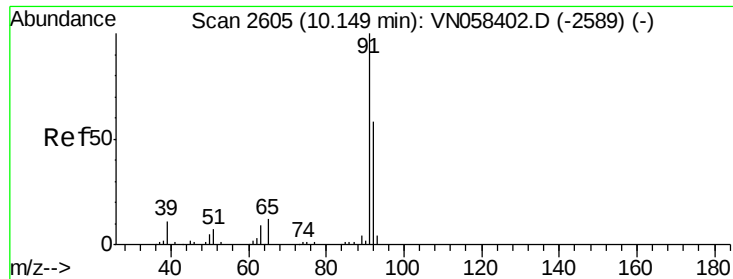
5000

0

9.90 9.95 10.00 10.05

Time-->





#52

Toluene

Concen: 6.623 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058523.D

Acq: 3 Oct 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

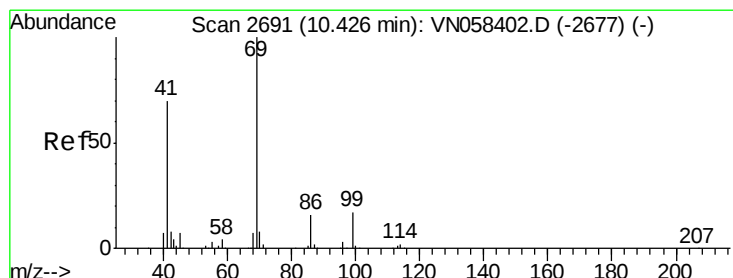
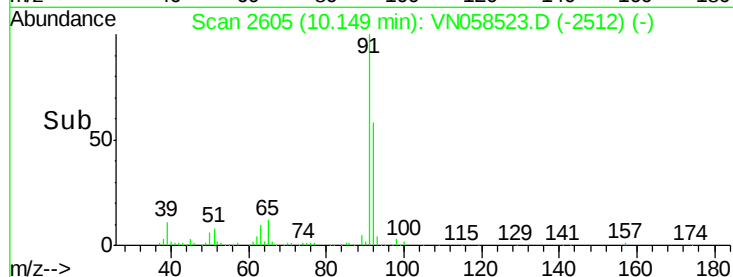
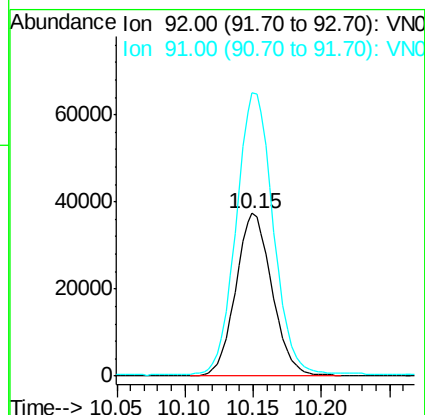
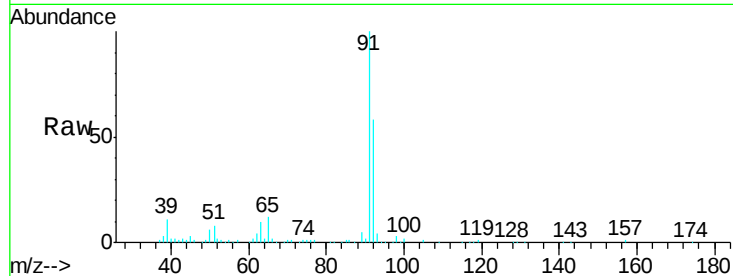
30464-67

Tgt Ion: 92 Resp: 69213

Ion Ratio Lower Upper

92 100

91 176.6 140.2 210.4



#56

Ethyl methacrylate

Concen: 1.834 ug/l

RT: 10.35 min Scan# 2667

Delta R.T. -0.08 min

Lab File: VN058523.D

Acq: 3 Oct 2019 20:08

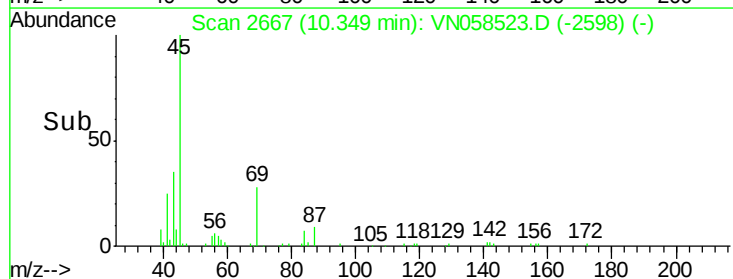
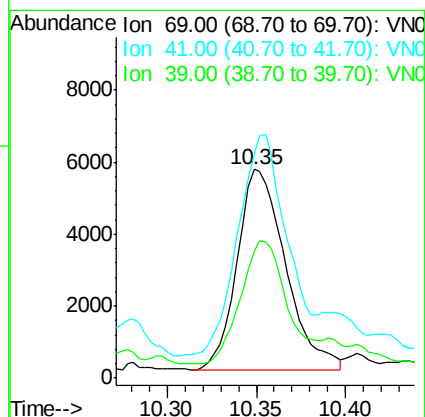
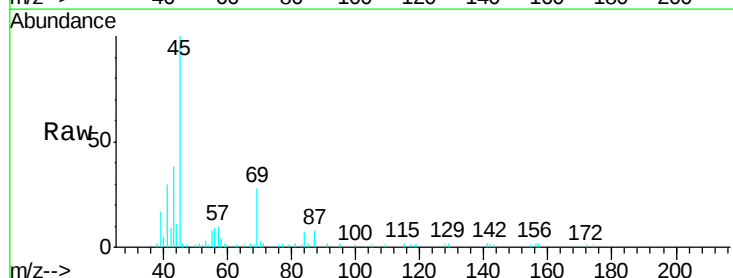
Tgt Ion: 69 Resp: 10593

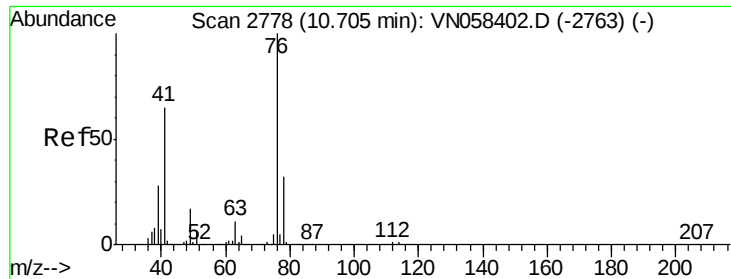
Ion Ratio Lower Upper

69 100

41 112.2 56.3 84.5#

39 58.0 35.8 53.6#

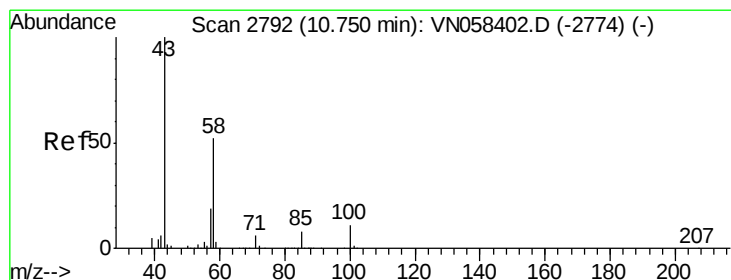
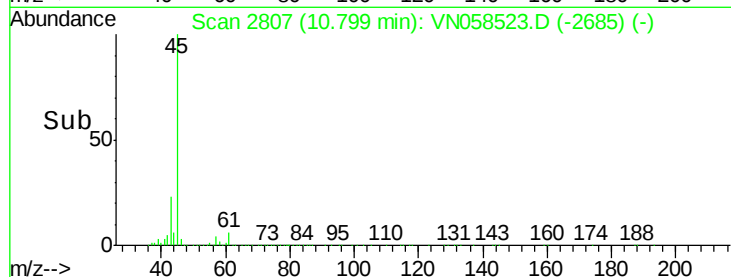
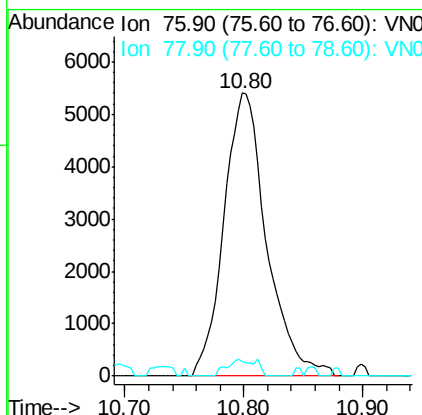
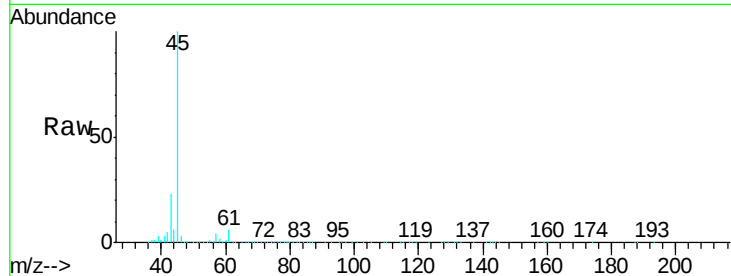




#57
 1,3-Dichloropropane
 Concen: 1.978 ug/l
 RT: 10.80 min Scan# 2807
 Delta R.T. 0.09 min
 Lab File: VN058523.D
 Acq: 3 Oct 2019 20:08

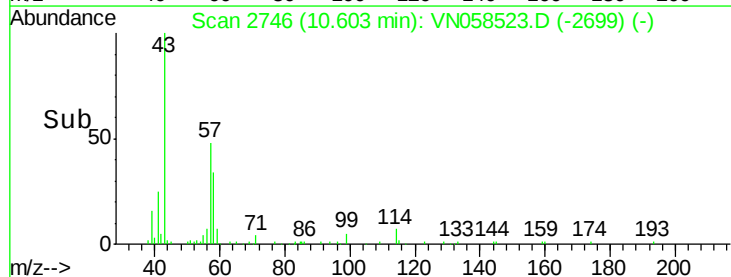
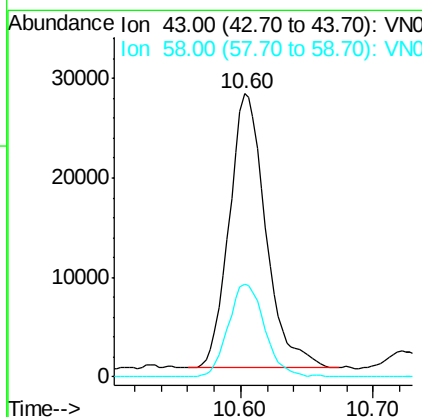
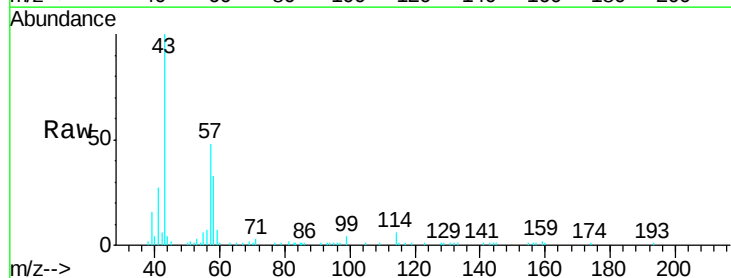
Instrument :
 MSVOA_N
 ClientSampled :
 30464-67

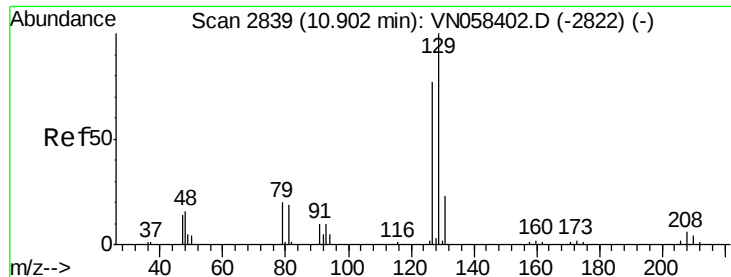
Tgt Ion: 76 Resp: 13426
 Ion Ratio Lower Upper
 76 100
 78 3.3 25.7 38.5#



#59
 2-Hexanone
 Concen: 15.340 ug/l
 RT: 10.60 min Scan# 2746
 Delta R.T. -0.15 min
 Lab File: VN058523.D
 Acq: 3 Oct 2019 20:08

Tgt Ion: 43 Resp: 52839
 Ion Ratio Lower Upper
 43 100
 58 33.6 25.8 77.3

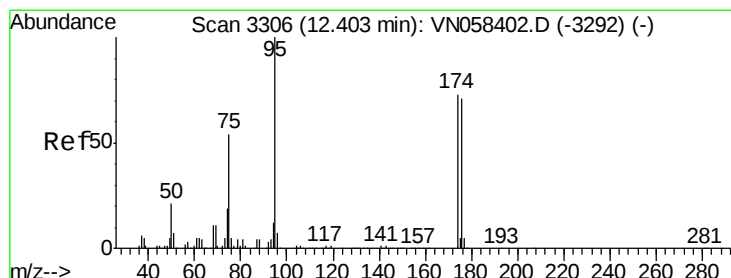
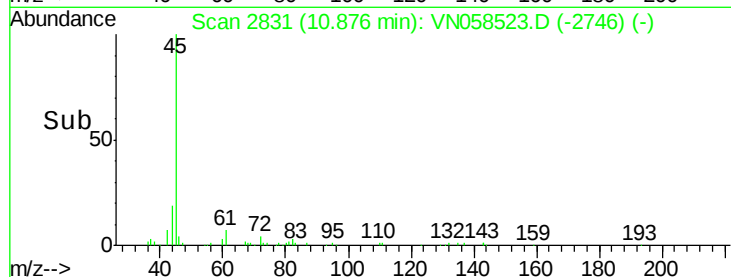
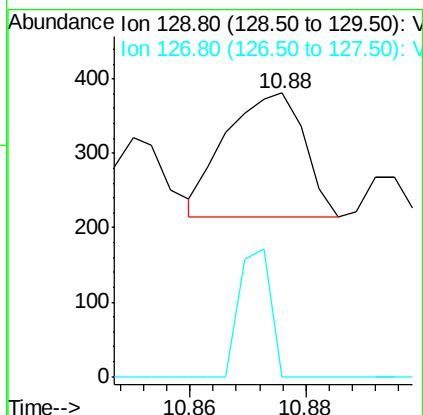
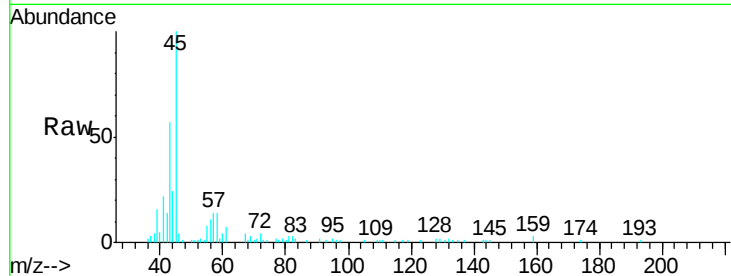




#60
Dibromochloromethane
Concen: Below Cal
RT: 10.88 min Scan# 2831
Delta R.T. -0.03 min
Lab File: VN058523.D
Acq: 3 Oct 2019 20:08

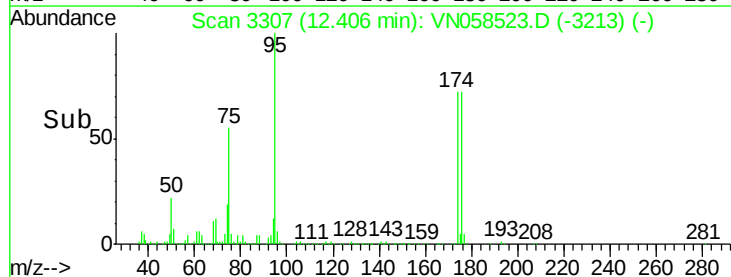
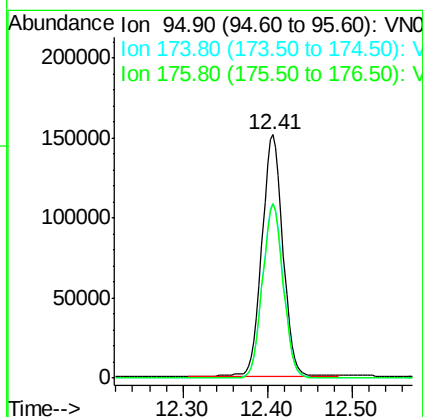
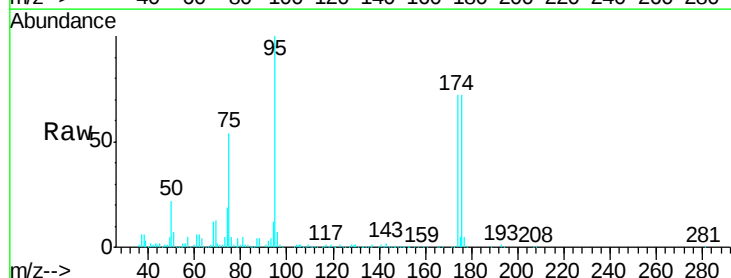
Instrument :
MSVOA_N
ClientSampleId :
30464-67

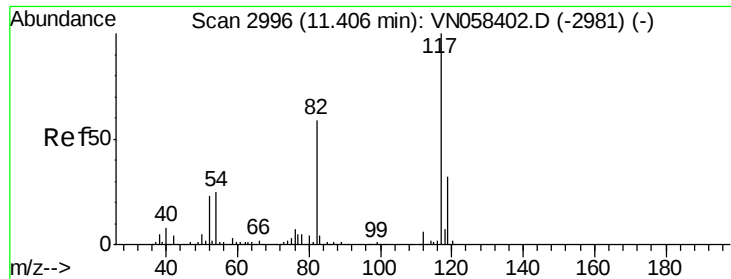
Tgt Ion: 129 Resp: 154
Ion Ratio Lower Upper
129 100
127 41.6 38.3 114.8



#62
4-Bromofluorobenzene
Concen: 50.199 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058523.D
Acq: 3 Oct 2019 20:08

Tgt Ion: 95 Resp: 263267
Ion Ratio Lower Upper
95 100
174 71.6 0.0 150.6
176 70.0 0.0 146.2

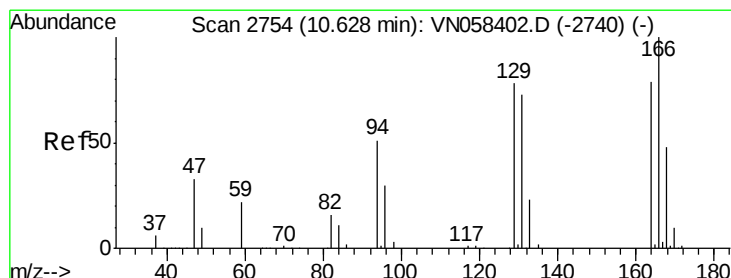
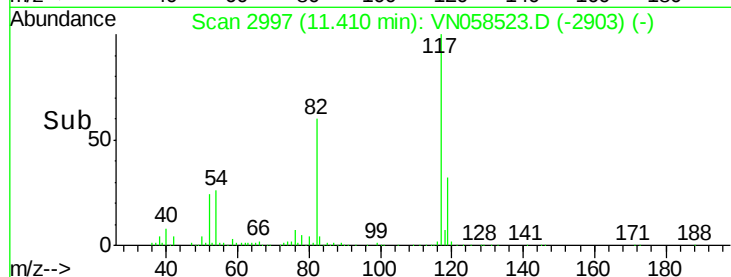
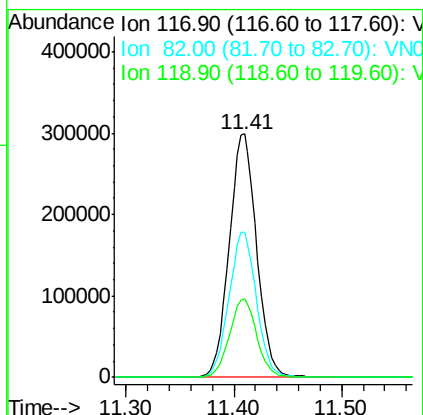
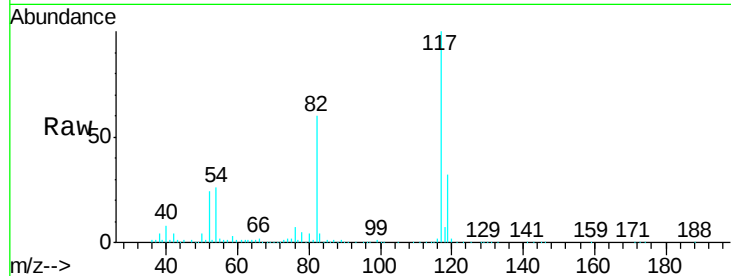




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058523.D
Acq: 3 Oct 2019 20:08

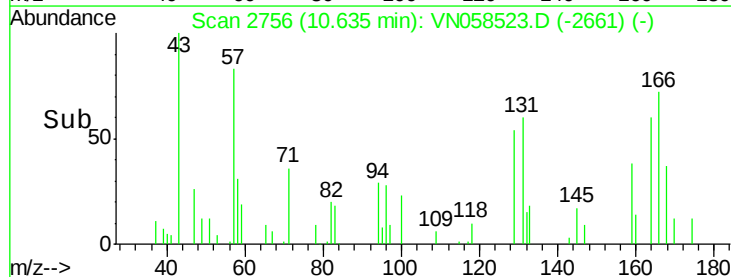
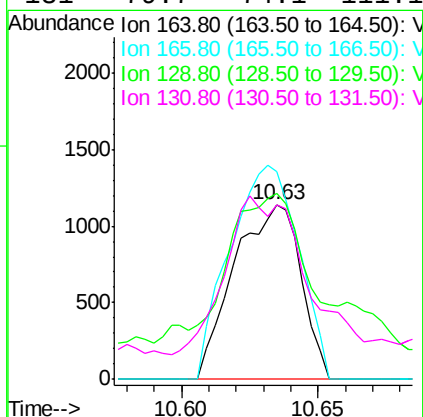
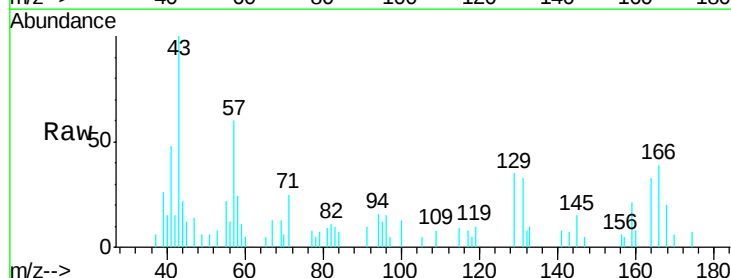
Instrument :
MSVOA_N
ClientSampleId :
30464-67

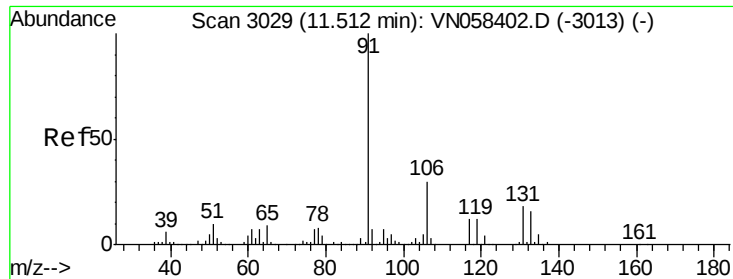
Tgt Ion:117 Resp: 528769
Ion Ratio Lower Upper
117 100
82 59.7 47.4 71.0
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 0.576 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.01 min
Lab File: VN058523.D
Acq: 3 Oct 2019 20:08

Tgt Ion:164 Resp: 1936
Ion Ratio Lower Upper
164 100
166 119.4 101.1 151.7
129 78.5 79.2 118.8#
131 79.7 74.1 111.1

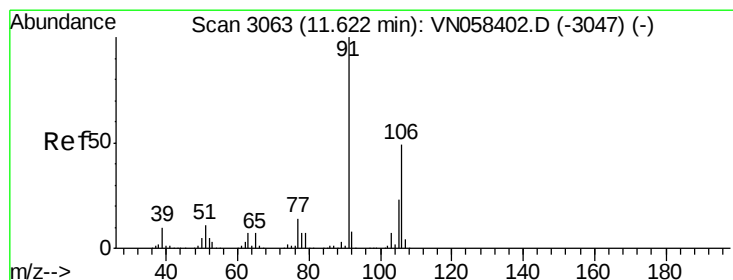
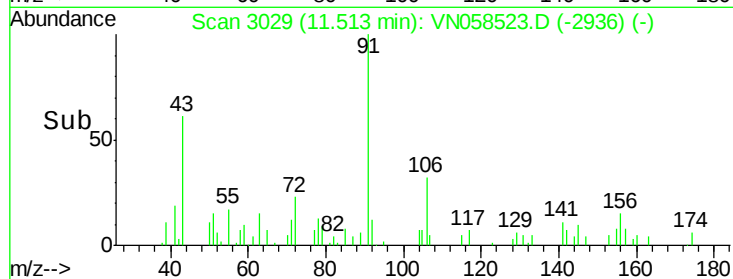
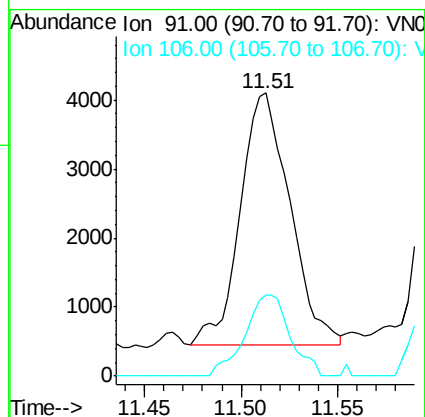
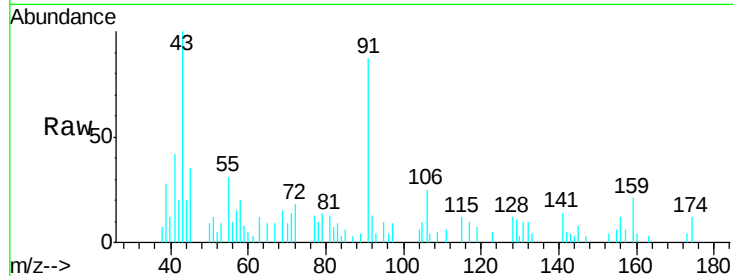




#67
Ethyl Benzene
Concen: 0.342 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058523.D
Acq: 3 Oct 2019 20:08

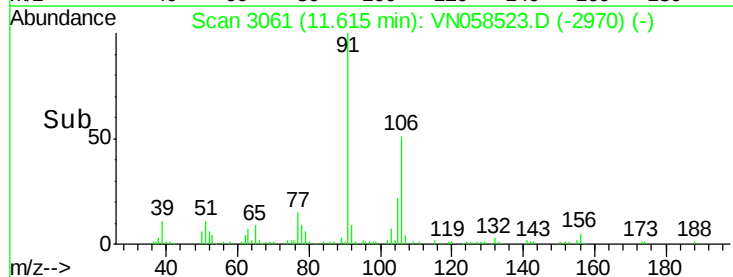
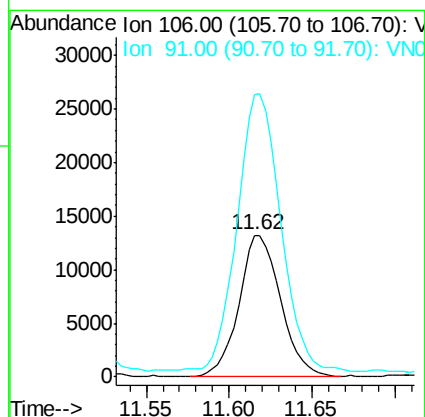
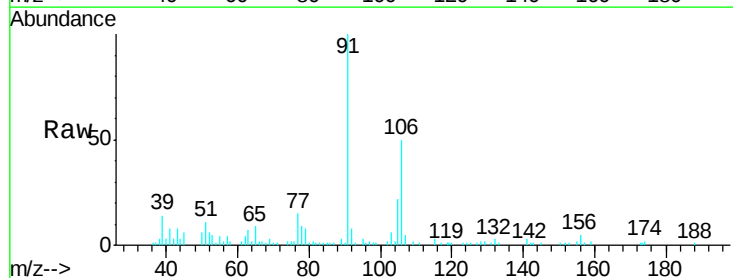
Instrument :
MSVOA_N
ClientSampleId :
30464-67

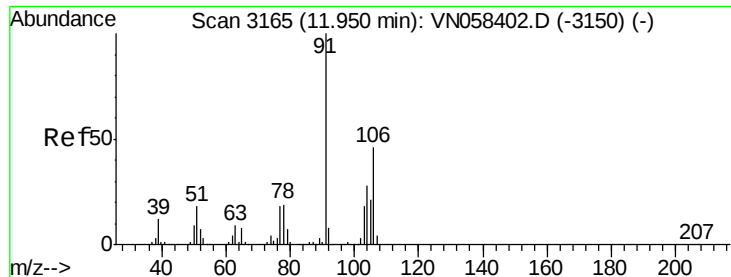
Tgt Ion: 91 Resp: 6509
Ion Ratio Lower Upper
91 100
106 33.3 24.3 36.5



#68
m/p-Xylenes
Concen: 3.227 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN058523.D
Acq: 3 Oct 2019 20:08

Tgt Ion: 106 Resp: 23114
Ion Ratio Lower Upper
106 100
91 204.2 165.0 247.4

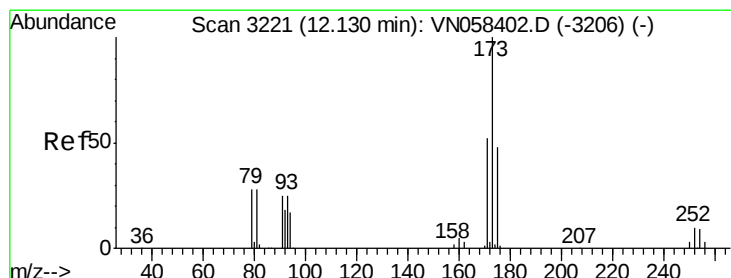
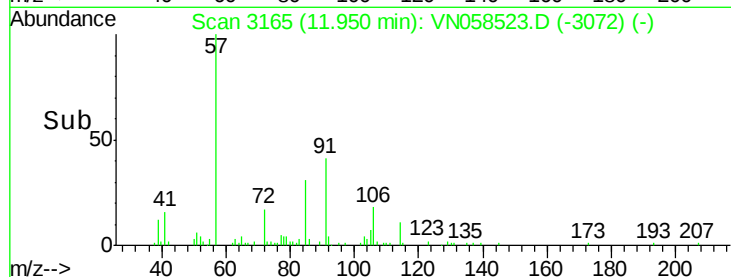
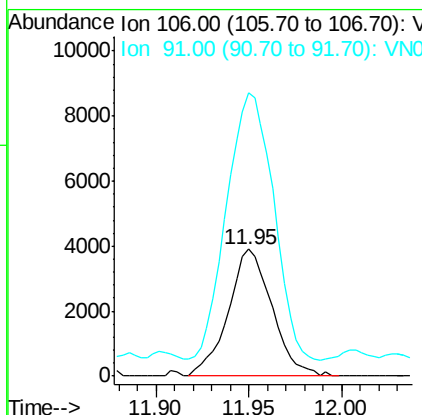
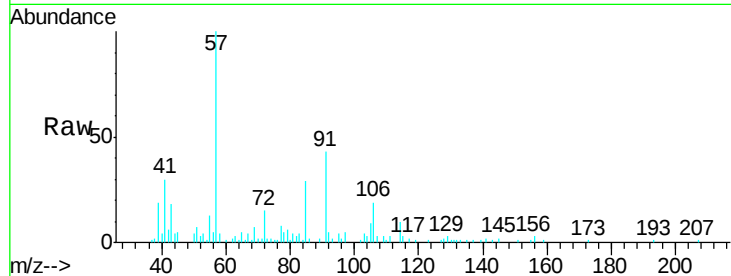




#69
o-Xylene
Concen: 0.929 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058523.D
Acq: 3 Oct 2019 20:08

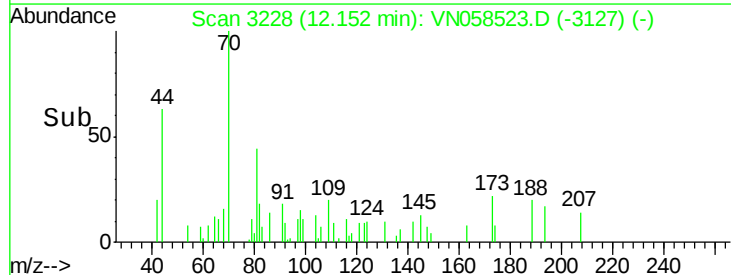
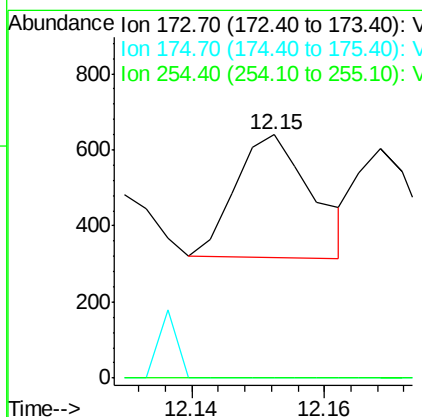
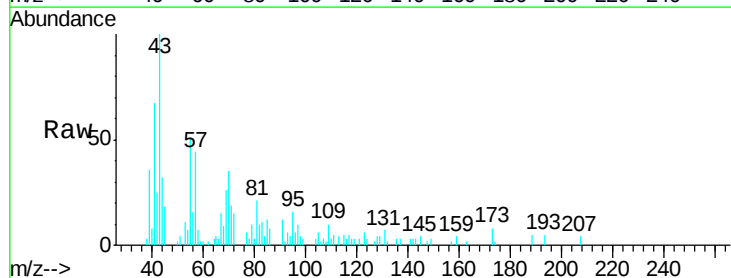
Instrument :
MSVOA_N
ClientSampled :
30464-67

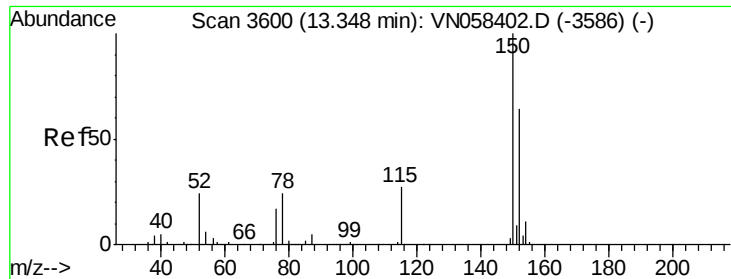
Tgt Ion:106 Resp: 6403
Ion Ratio Lower Upper
106 100
91 225.6 109.1 327.4



#71
Bromoform
Concen: 0.799 ug/l
RT: 12.15 min Scan# 3228
Delta R.T. 0.02 min
Lab File: VN058523.D
Acq: 3 Oct 2019 20:08

Tgt Ion:173 Resp: 259
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058523.D

Acq: 3 Oct 2019 20:08

Instrument :

MSVOA_N

ClientSampled :

30464-67

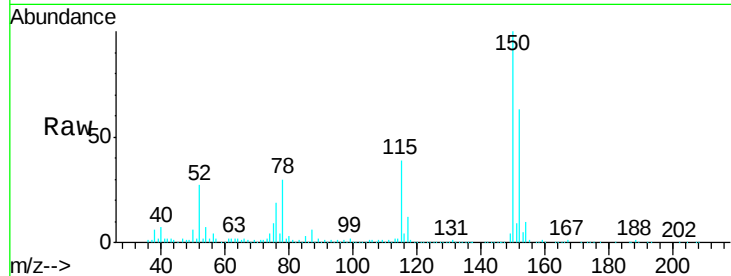
Tgt Ion:152 Resp: 228469

Ion Ratio Lower Upper

152 100

115 60.5 30.0 90.0

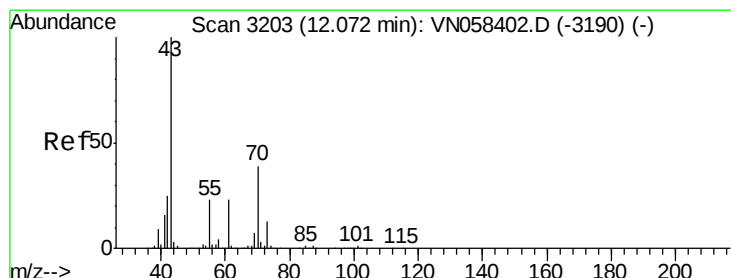
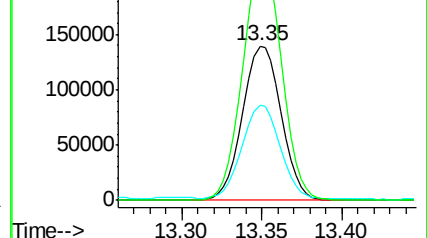
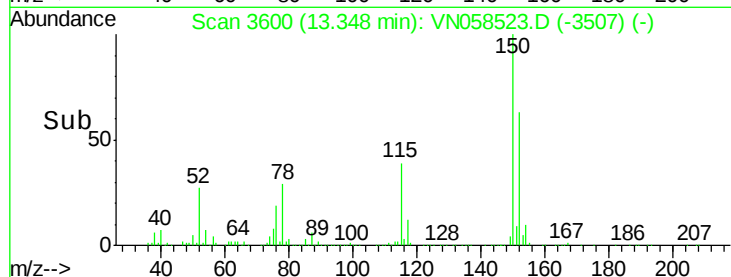
150 158.6 0.0 348.2



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



#74

N-ethyl acetate

Concen: 3.662 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN058523.D

Acq: 3 Oct 2019 20:08

Tgt Ion: 43 Resp: 24598

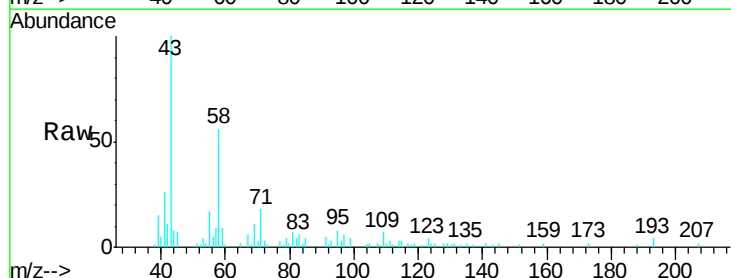
Ion Ratio Lower Upper

43 100

70 0.0 31.4 47.2#

55 0.0 18.2 27.4#

61 0.0 18.3 27.5#

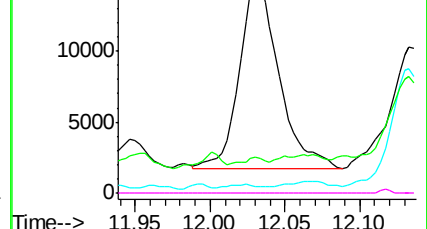
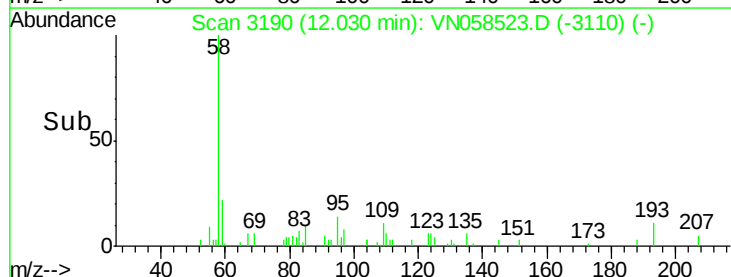


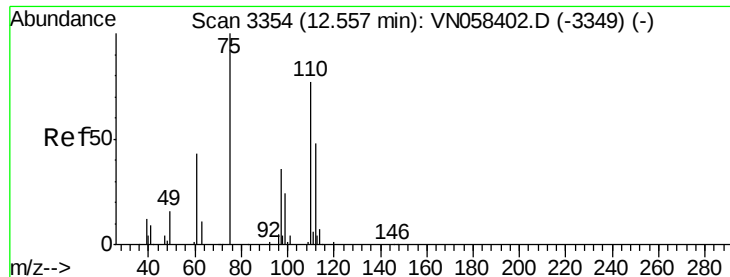
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 33.607 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058523.D

Acq: 3 Oct 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

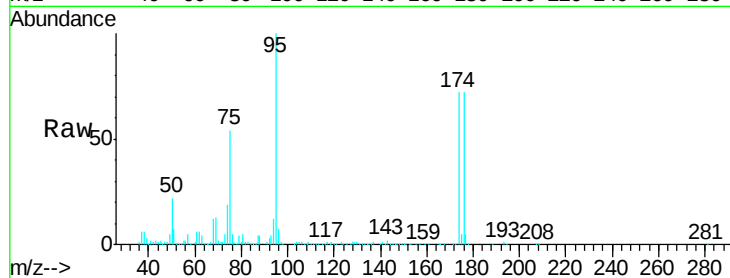
30464-67

Tgt Ion: 75 Resp: 140244

Ion Ratio Lower Upper

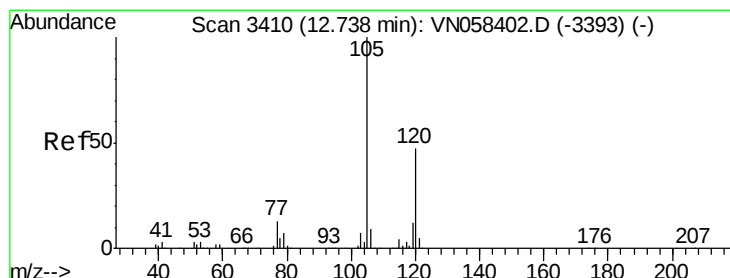
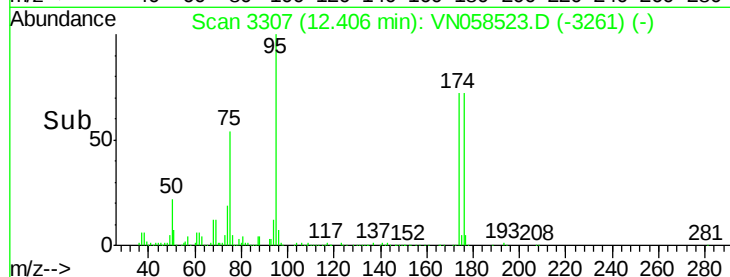
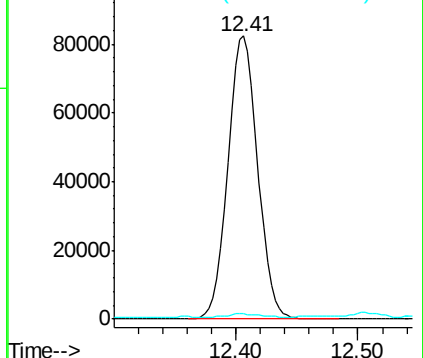
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#80

1,3,5-Trimethylbenzene

Concen: 0.377 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058523.D

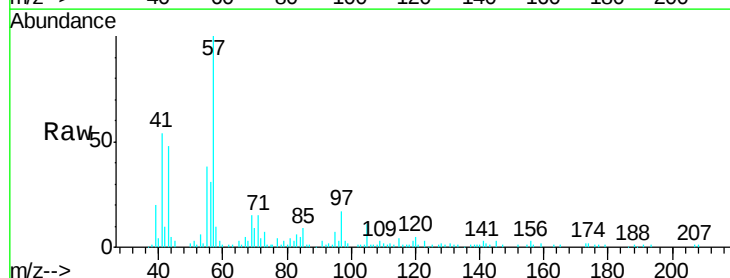
Acq: 3 Oct 2019 20:08

Tgt Ion: 105 Resp: 5324

Ion Ratio Lower Upper

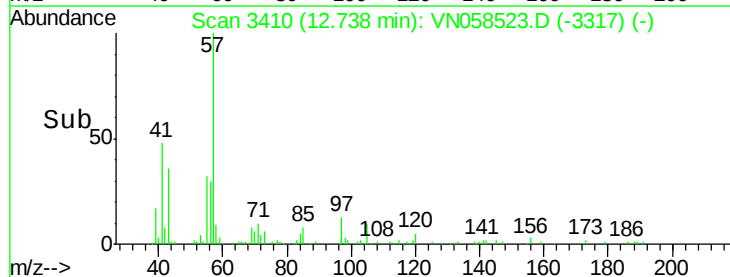
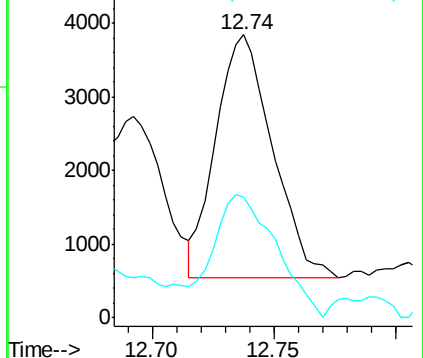
105 100

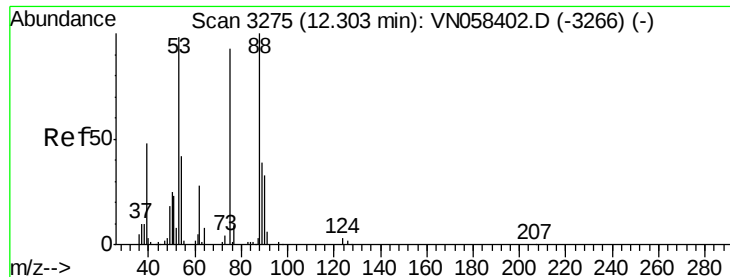
120 56.5 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

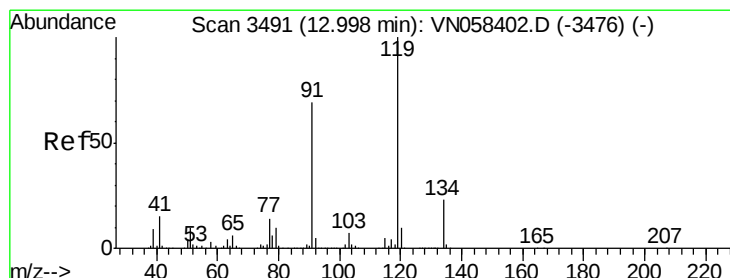
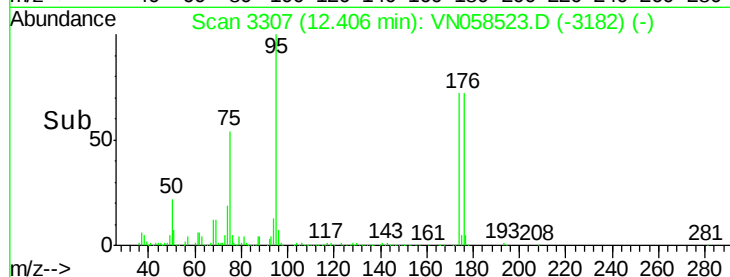
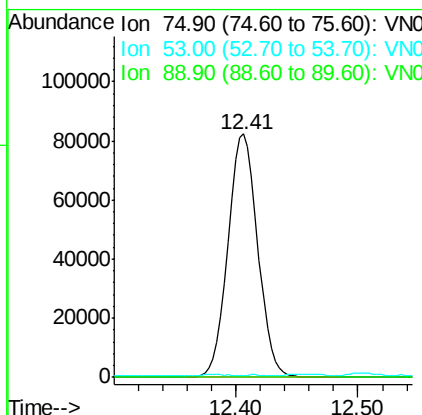
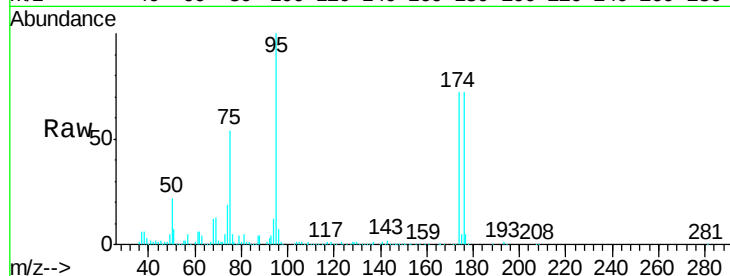




#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.070 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN058523.D
 Acq: 3 Oct 2019 20:08

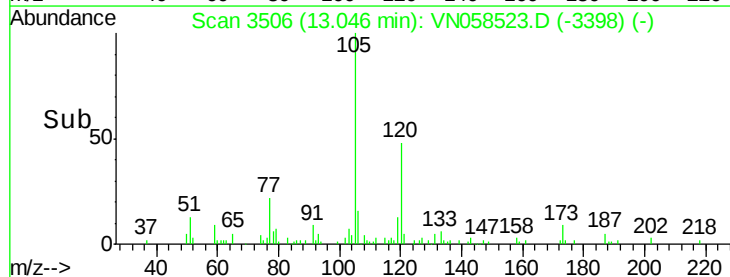
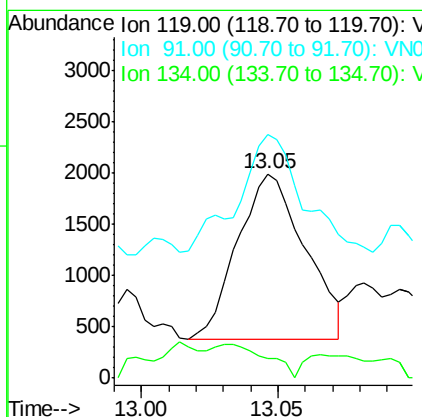
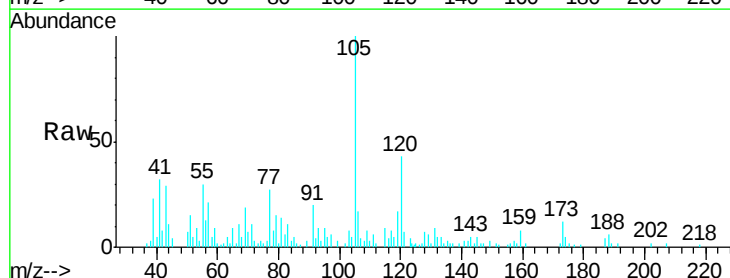
Instrument :
 MSVOA_N
 ClientSampled :
 30464-67

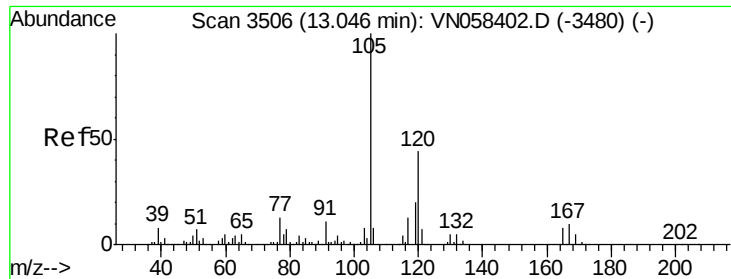
Tgt Ion: 75 Resp: 140244
 Ion Ratio Lower Upper
 75 100
 53 0.2 85.4 128.0#
 89 0.1 35.0 52.4#



#83
 tert-Butylbenzene
 Concen: 0.233 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.05 min
 Lab File: VN058523.D
 Acq: 3 Oct 2019 20:08

Tgt Ion: 119 Resp: 2775
 Ion Ratio Lower Upper
 119 100
 91 67.6 34.2 102.6
 134 15.9 11.6 34.8

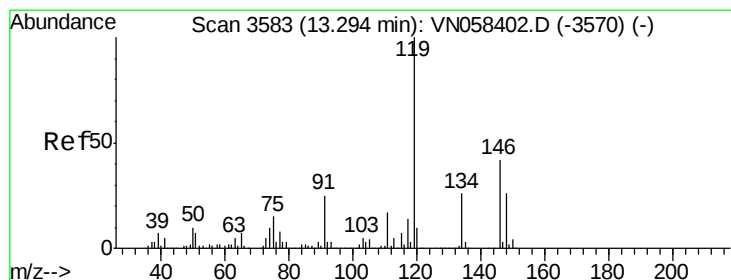
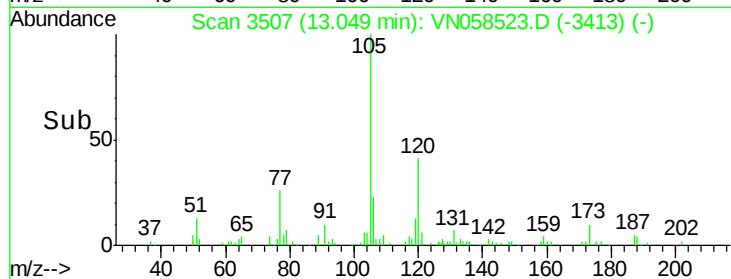
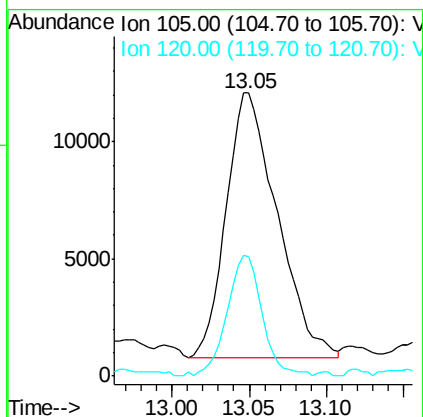
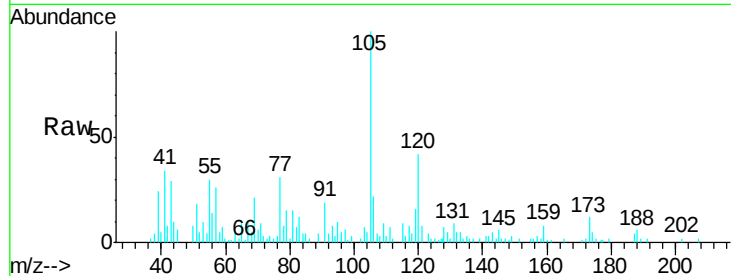




#84
 1,2,4-Trimethylbenzene
 Concen: 1.826 ug/l
 RT: 13.05 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN058523.D
 Acq: 3 Oct 2019 20:08

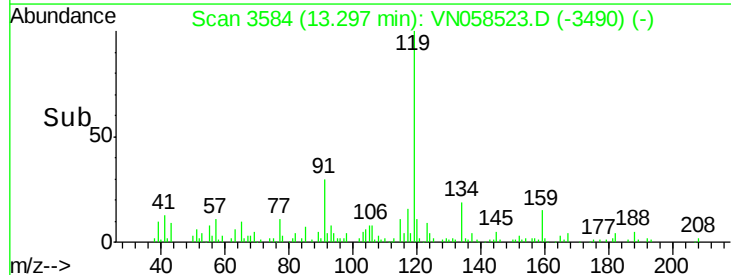
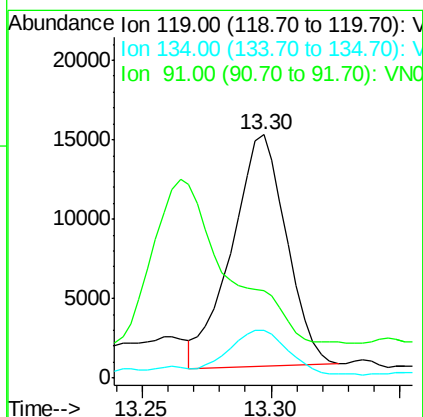
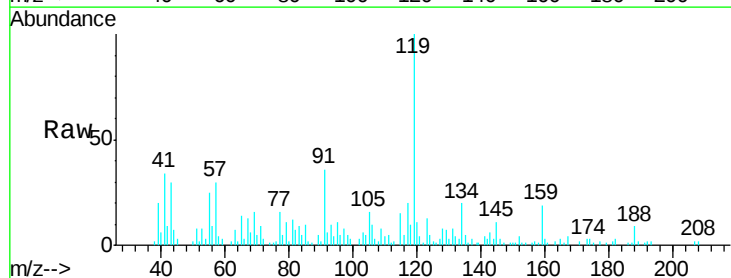
Instrument :
 MSVOA_N
 ClientSampled :
 30464-67

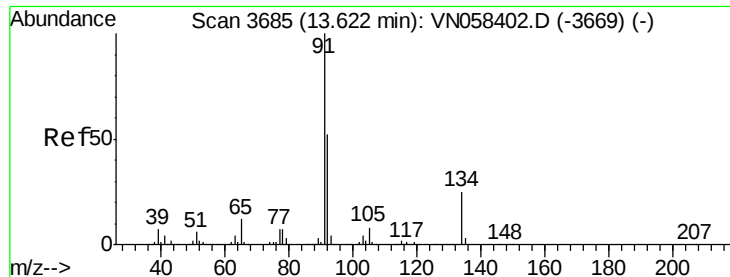
Tgt Ion:105 Resp: 25852
 Ion Ratio Lower Upper
 105 100
 120 31.2 21.7 65.1



#86
 p-Isopropyltoluene
 Concen: 1.563 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058523.D
 Acq: 3 Oct 2019 20:08

Tgt Ion:119 Resp: 21596
 Ion Ratio Lower Upper
 119 100
 134 22.8 13.0 39.0
 91 0.0 12.4 37.0#

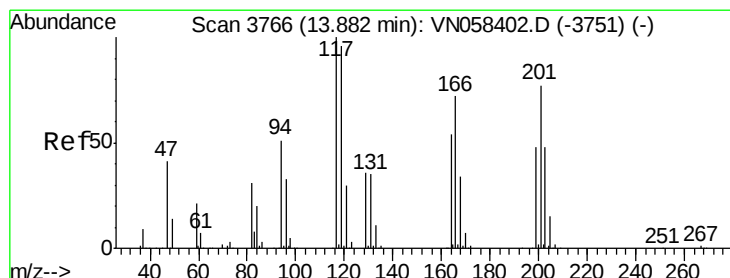
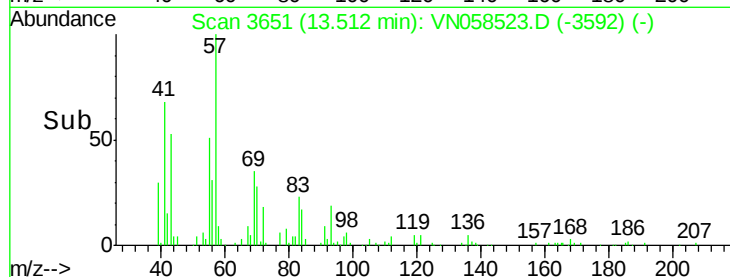
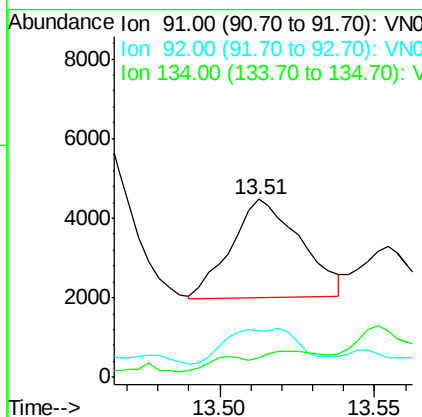
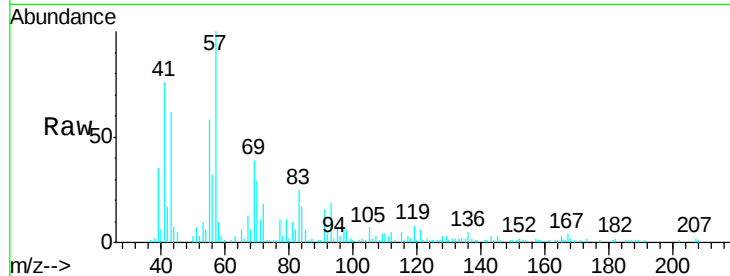




#89
n-Butylbenzene
Concen: 0.311 ug/l
RT: 13.51 min Scan# 3651
Delta R.T. -0.11 min
Lab File: VN058523.D
Acq: 3 Oct 2019 20:08

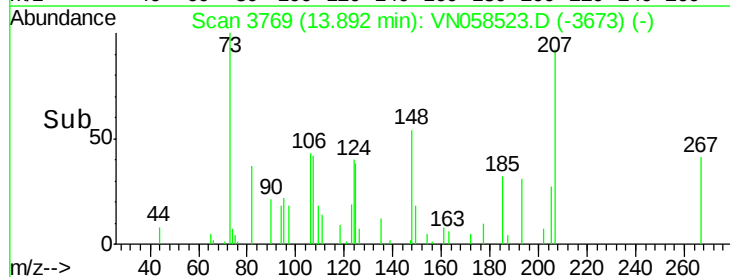
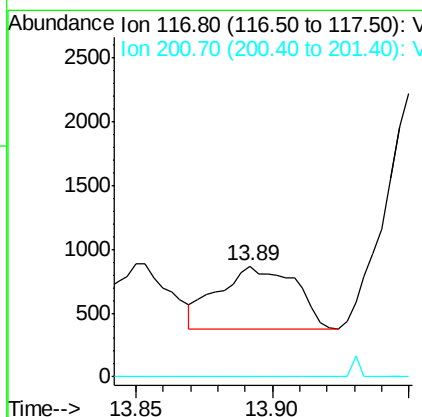
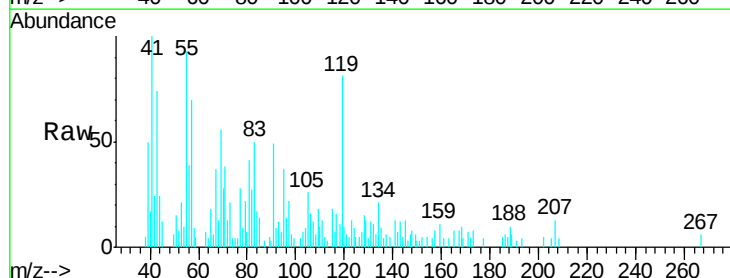
Instrument :
MSVOA_N
ClientSampled :
30464-67

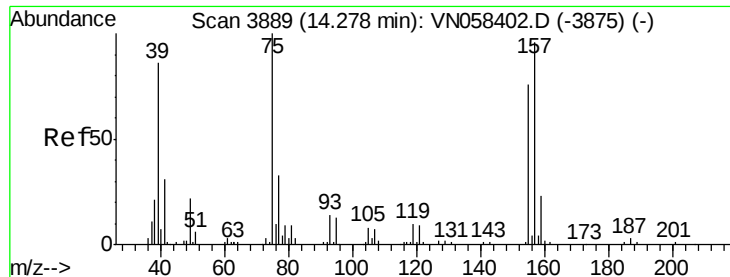
Tgt Ion: 91 Resp: 3892
Ion Ratio Lower Upper
91 100
92 38.3 25.7 77.1
134 20.0 12.2 36.6



#90
Hexachloroethane
Concen: 0.466 ug/l
RT: 13.89 min Scan# 3769
Delta R.T. 0.01 min
Lab File: VN058523.D
Acq: 3 Oct 2019 20:08

Tgt Ion: 117 Resp: 968
Ion Ratio Lower Upper
117 100
201 0.0 38.6 116.0#

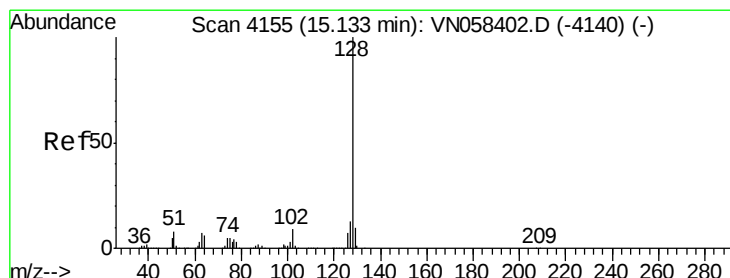
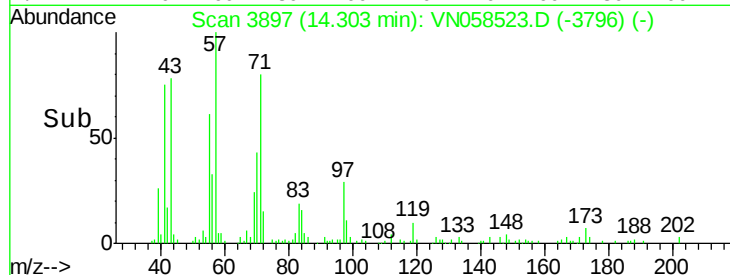
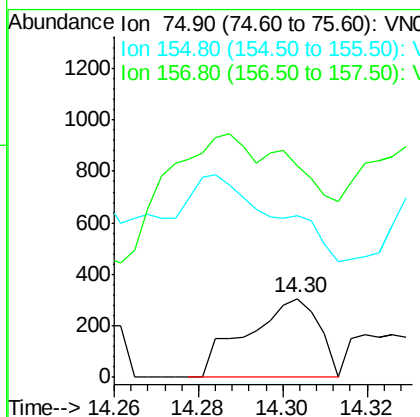
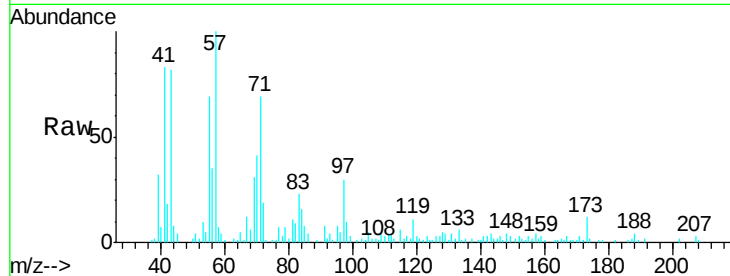




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.411 ug/l
 RT: 14.30 min Scan# 3897
 Delta R.T. 0.03 min
 Lab File: VN058523.D
 Acq: 3 Oct 2019 20:08

Instrument :
 MSVOA_N
 ClientSampled :
 30464-67

Tgt Ion: 75 Resp: 362
 Ion Ratio Lower Upper
 75 100
 155 146.4 39.2 117.6#
 157 235.1 48.7 146.1#



#95
 Naphthalene
 Concen: 1.854 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN058523.D
 Acq: 3 Oct 2019 20:08

Tgt Ion: 128 Resp: 21005
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.2 15.4
 129 11.5 8.3 12.5

