

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
 Data File : VN058843.D
 Acq On : 18 Oct 2019 8:53
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 23:52:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 18 23:49:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	357236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	591218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	537452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	221904	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	5922	1.17	ug/l	0.00
Spiked Amount			Recovery	=	2.34%	
35) Dibromofluoromethane	7.57	113	3918	1.06	ug/l	0.00
Spiked Amount			Recovery	=	2.12%	
50) Toluene-d8	10.08	98	13792	0.94	ug/l	0.00
Spiked Amount			Recovery	=	1.88%	
62) 4-Bromofluorobenzene	12.40	95	6339	1.14	ug/l	0.00
Spiked Amount			Recovery	=	2.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	4351	0.980	ug/l	97
3) Chloromethane	2.04	50	6184	1.158	ug/l	93
4) Vinyl Chloride	2.17	62	5404	1.017	ug/l	98
5) Bromomethane	2.55	94	3332	1.019	ug/l	94
6) Chloroethane	2.69	64	3779	1.147	ug/l #	83
7) Trichlorofluoromethane	3.00	101	6619	1.027	ug/l	95
8) Diethyl Ether	3.39	74	2443	1.049	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.73	101	4016	1.108	ug/l #	68
10) Methyl Iodide	3.93	142	4481	0.913	ug/l	95
11) Tert butyl alcohol	4.75	59	3452	4.189	ug/l #	84
12) 1,1-Dichloroethene	3.72	96	3568	1.035	ug/l #	77
13) Acrolein	3.58	56	936	1.445	ug/l	86
14) Allyl chloride	4.30	41	6588	0.943	ug/l	96
15) Acrylonitrile	4.96	53	9144	4.406	ug/l #	84
16) Acetone	3.79	43	11868	5.441	ug/l	97
17) Carbon Disulfide	4.03	76	11607	1.047	ug/l	99
18) Methyl Acetate	4.30	43	6605	1.240	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	11533	0.938	ug/l	99
20) Methylene Chloride	4.52	84	5164	1.188	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	3763	0.977	ug/l	85
22) Diisopropyl ether	5.92	45	11759	0.864	ug/l #	81
23) Vinyl Acetate	5.87	43	47802	4.351	ug/l	99
24) 1,1-Dichloroethane	5.82	63	8582	1.112	ug/l #	85
25) 2-Butanone	6.82	43	15140	4.919	ug/l #	89
26) 2,2-Dichloropropane	6.79	77	3415	0.485	ug/l #	77
27) cis-1,2-Dichloroethene	6.81	96	4287	0.952	ug/l	98
28) Bromochloromethane	7.18	49	2798	1.044	ug/l #	100
29) Tetrahydrofuran	7.19	42	8907	4.521	ug/l #	91
30) Chloroform	7.35	83	9155	1.177	ug/l	98
31) Cyclohexane	7.64	56	14752	1.992	ug/l #	52
32) 1,1,1-Trichloroethane	7.55	97	6673	1.009	ug/l #	52
36) 1,1-Dichloropropene	7.77	75	5639	0.934	ug/l	94
37) Ethyl Acetate	6.90	43	2245	0.364	ug/l #	76
38) Carbon Tetrachloride	7.75	117	6191	1.052	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Oct 18 23:49:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	5640	0.809	ug/l	93
40) Benzene	8.02	78	16886	0.972	ug/l	100
41) Methacrylonitrile	7.16	41	3096	1.105	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	6788	1.018	ug/l	82
43) Isopropyl Acetate	8.15	43	9072	0.869	ug/l #	71
44) Trichloroethene	8.82	130	3945	0.919	ug/l	98
45) 1,2-Dichloropropane	9.10	63	4689	1.007	ug/l	92
46) Dibromomethane	9.19	93	2952	1.003	ug/l	95
47) Bromodichloromethane	9.39	83	5939	0.989	ug/l #	85
48) Methyl methacrylate	9.19	41	3839	0.809	ug/l	94
49) 1,4-Dioxane	9.19	88	1290	17.478	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	24749	4.195	ug/l	96
52) Toluene	10.15	92	8558	0.807	ug/l	88
53) t-1,3-Dichloropropene	10.38	75	6016	0.874	ug/l #	63
54) cis-1,3-Dichloropropene	9.83	75	6408	0.875	ug/l	90
55) 1,1,2-Trichloroethane	10.55	97	4145	0.954	ug/l	94
56) Ethyl methacrylate	10.43	69	4242	0.668	ug/l #	85
57) 1,3-Dichloropropane	10.70	76	6996	0.943	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	9880	3.292	ug/l	96
59) 2-Hexanone	10.75	43	18292	3.999	ug/l	91
60) Dibromochloromethane	10.90	129	4080	0.910	ug/l	99
61) 1,2-Dibromoethane	11.00	107	3947	0.906	ug/l	96
64) Tetrachloroethene	10.63	164	3992	1.055	ug/l	99
65) Chlorobenzene	11.43	112	10306	0.939	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.51	131	3798	0.935	ug/l #	61
67) Ethyl Benzene	11.51	91	16245	0.830	ug/l	100
68) m/p-Xylenes	11.62	106	11256	1.534	ug/l	99
69) o-Xylene	11.95	106	5514	0.777	ug/l	97
70) Styrene	11.96	104	7822	0.673	ug/l	98
71) Bromoform	12.13	173	2947	0.983	ug/l #	96
73) Isopropylbenzene	12.25	105	16167	0.999	ug/l	100
74) N-amyl acetate	12.07	43	5607	0.765	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	6089	1.133	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	7910	1.584	ug/l #	100
77) Bromobenzene	12.53	156	3965	1.005	ug/l	88
78) n-propylbenzene	12.59	91	18881	1.000	ug/l	95
79) 2-Chlorotoluene	12.68	91	11995	1.023	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	12334	0.892	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	2153	1.157	ug/l #	94
82) 4-Chlorotoluene	12.78	91	11468	0.954	ug/l	95
83) tert-Butylbenzene	12.99	119	10593	0.895	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	10905	0.794	ug/l	91
85) sec-Butylbenzene	13.18	105	13825	0.885	ug/l	98
86) p-Isopropyltoluene	13.29	119	11533	0.815	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	6413	0.885	ug/l	100
88) 1,4-Dichlorobenzene	13.29	146	6413	0.869	ug/l	99
89) n-Butylbenzene	13.62	91	9985	0.763	ug/l	99
90) Hexachloroethane	13.88	117	2780	1.087	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	6788	0.959	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1462	1.161	ug/l	66

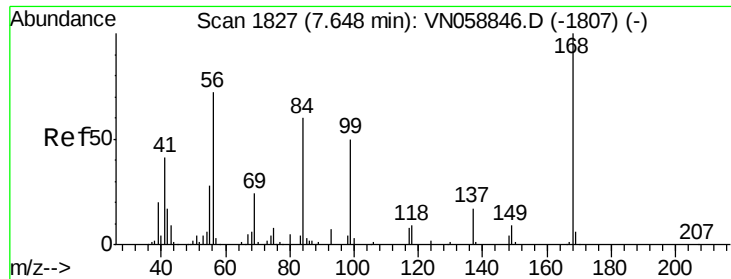
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	2803	0.655	ug/l	96
94) Hexachlorobutadiene	15.02	225	2308	1.015	ug/l	96
95) Naphthalene	15.13	128	7013	0.571	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	2973	0.710	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

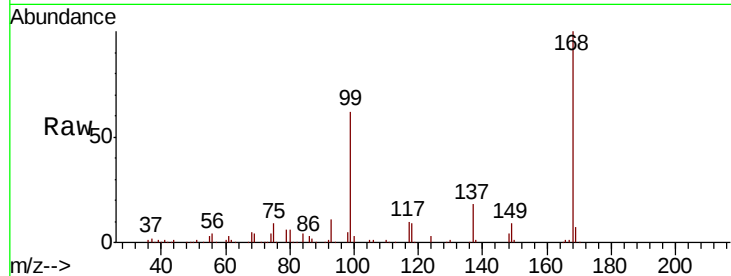
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 357236

Ion Ratio Lower Upper

168 100

99 62.1 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

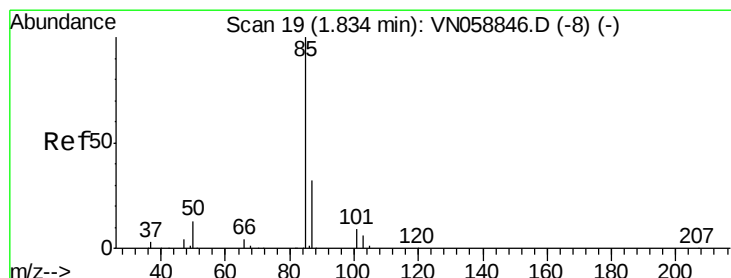
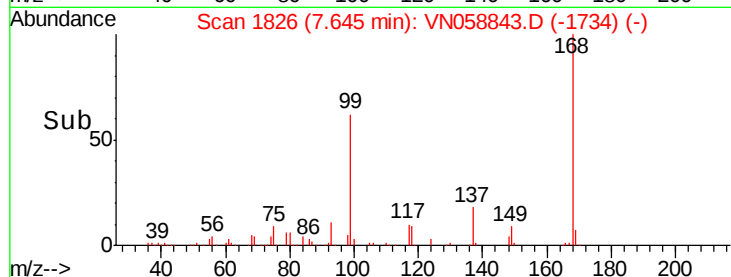
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.980 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058843.D

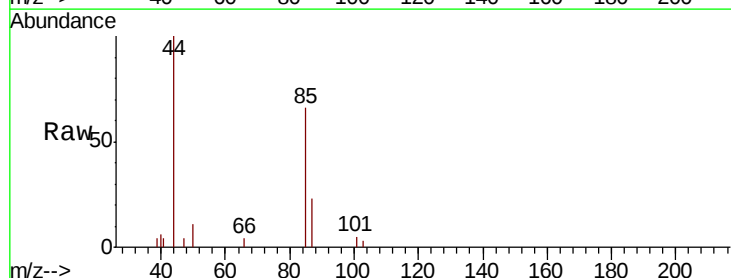
Acq: 18 Oct 2019 8:53

Tgt Ion: 85 Resp: 4351

Ion Ratio Lower Upper

85 100

87 34.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

3000

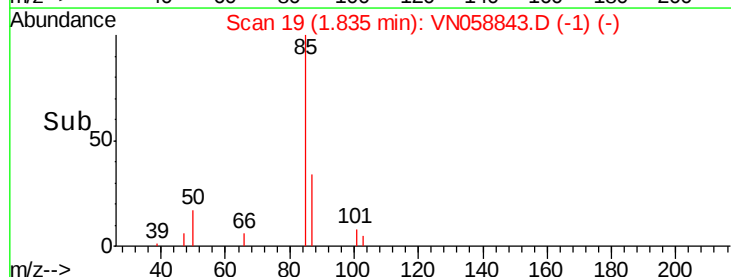
2000

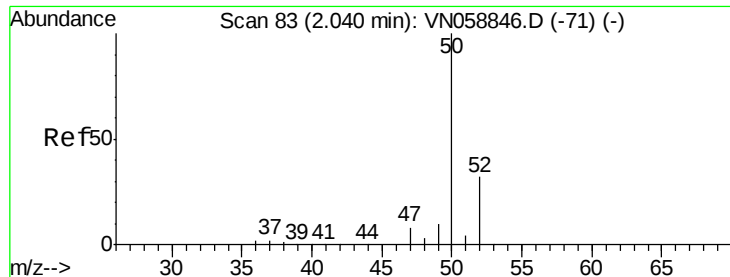
1000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 1.158 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

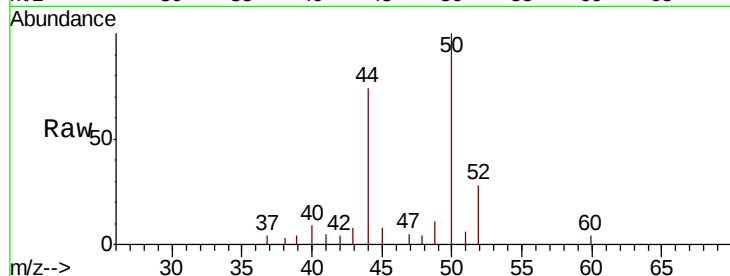
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 6184

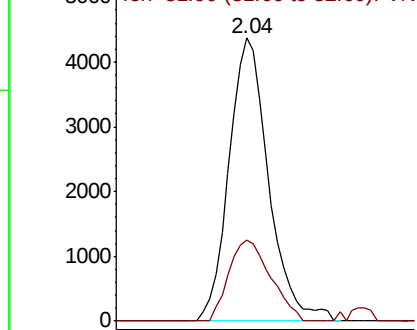
Ion Ratio Lower Upper

50 100

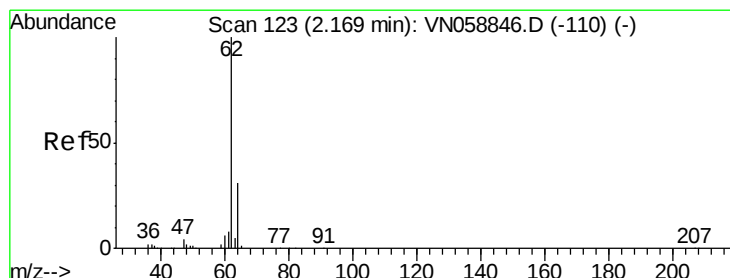
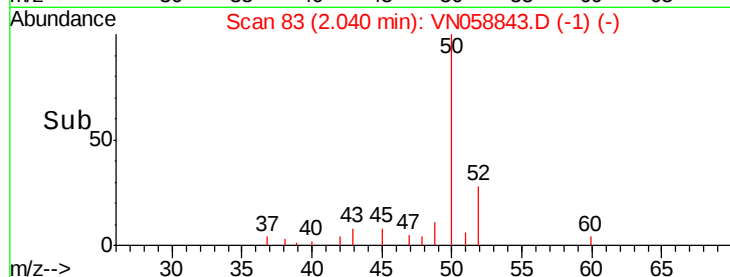
52 28.5 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



Time-->



#4

Vinyl Chloride

Concen: 1.017 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058843.D

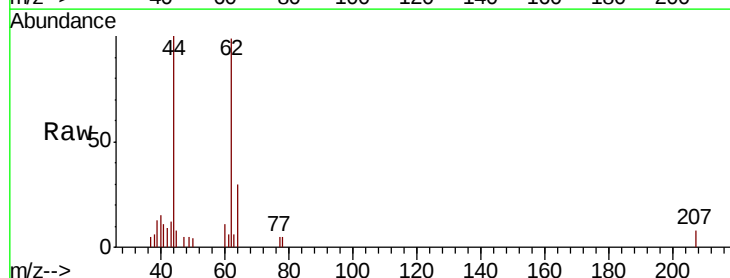
Acq: 18 Oct 2019 8:53

Tgt Ion: 62 Resp: 5404

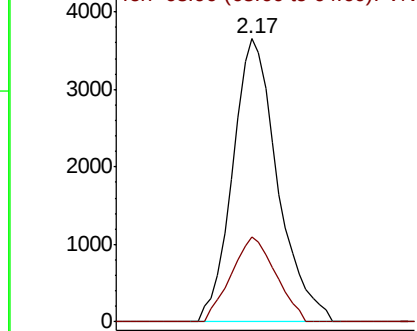
Ion Ratio Lower Upper

62 100

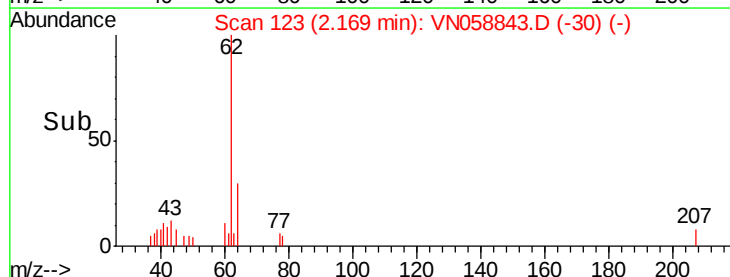
64 29.9 24.6 36.8

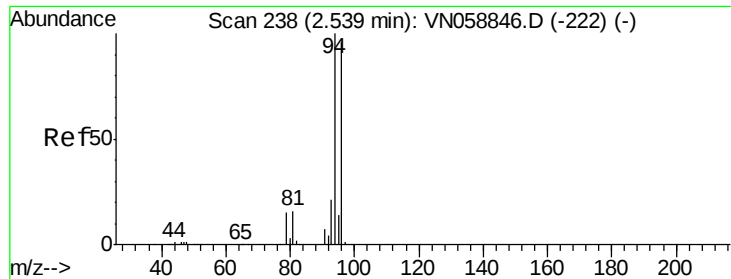


Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO



Time-->





#5

Bromomethane

Concen: 1.019 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

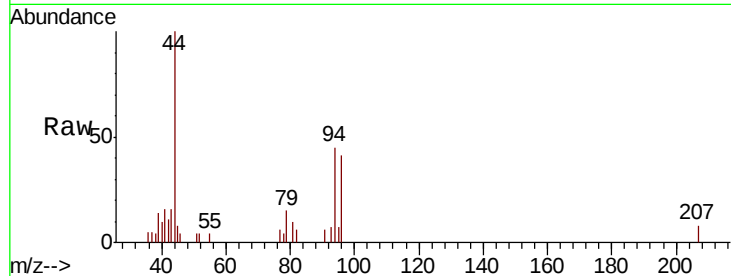
ClientSampleId :

Tot Ion: 94 Resp: 3332

Ion Ratio Lower Upper

94 100

96 90.4 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2000

1500

1000

500

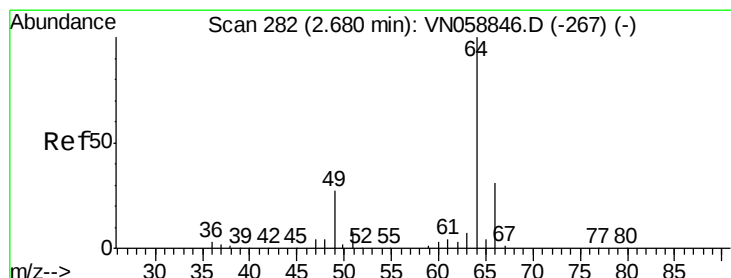
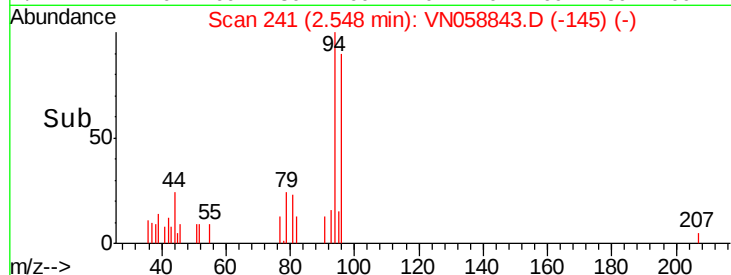
0

2.50

2.55

2.60

Time-->



#6

Chloroethane

Concen: 1.147 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058843.D

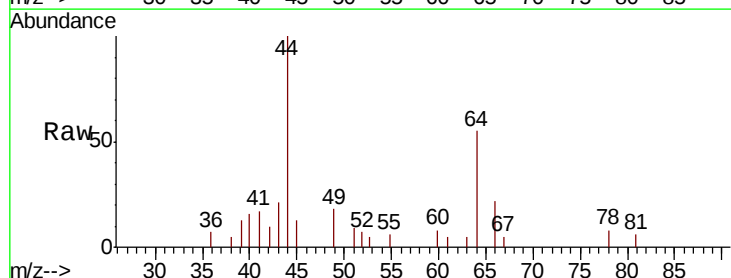
Acq: 18 Oct 2019 8:53

Tgt Ion: 64 Resp: 3779

Ion Ratio Lower Upper

64 100

66 40.8 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2000

1500

1000

500

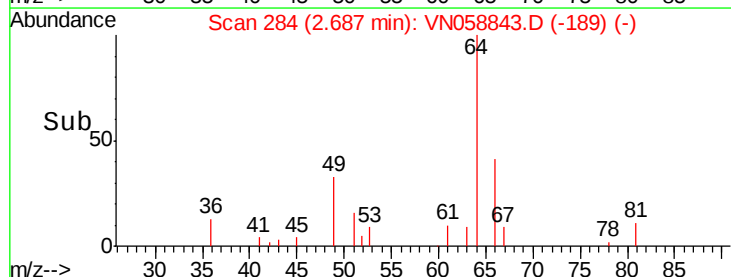
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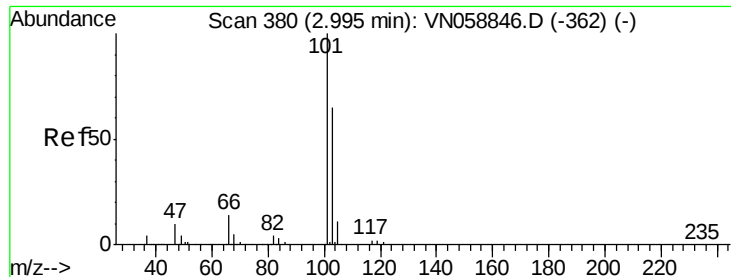
2.65

2.70

2.75

Time-->



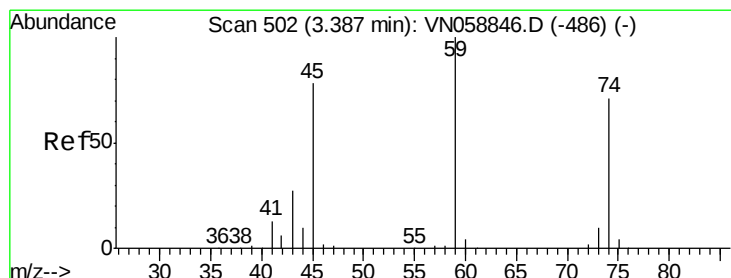
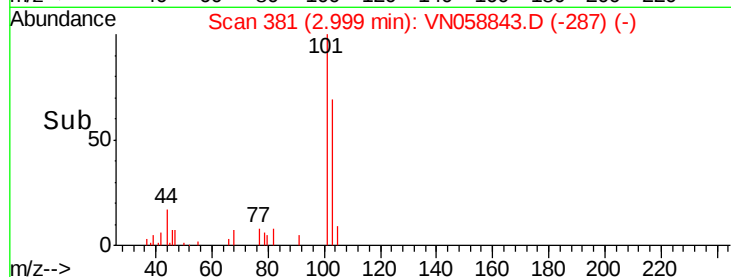
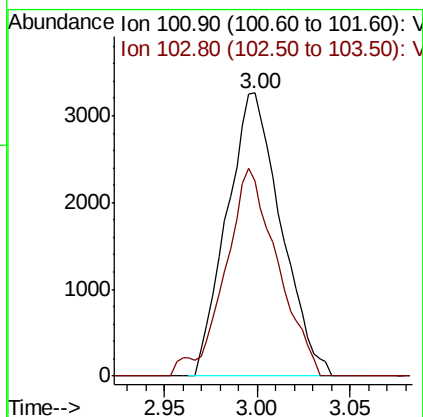
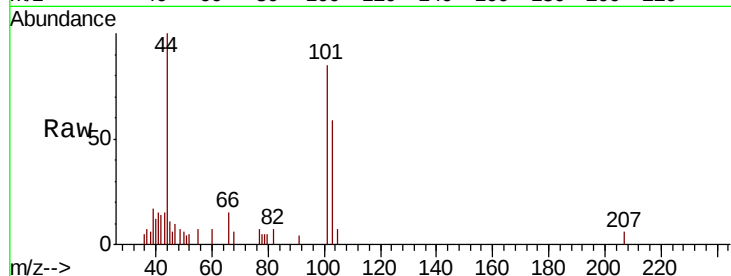


#7

Trichlorofluoromethane
 Concen: 1.027 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Instrument :
 MSVOA_N
 ClientSampled :

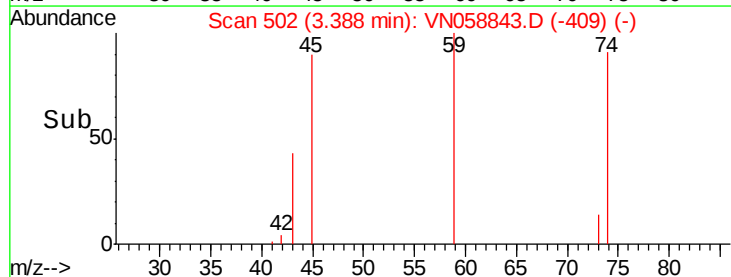
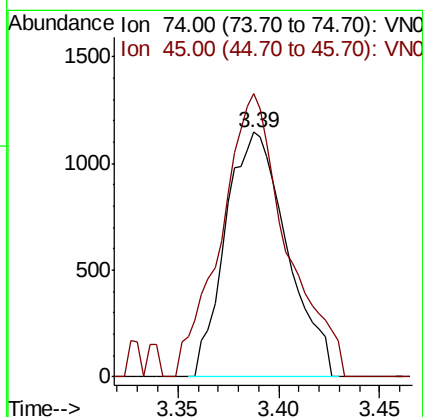
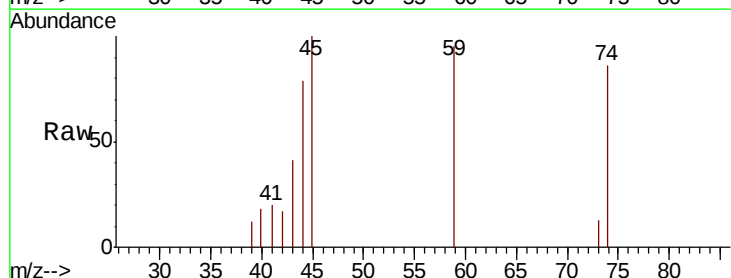
Tot Ion:101 Resp: 6619
 Ion Ratio Lower Upper
 101 100
 103 68.8 52.2 78.2

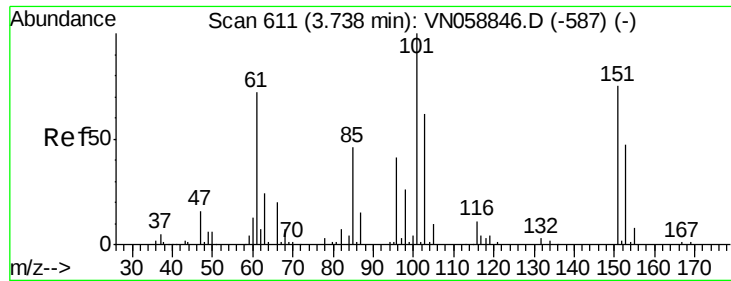


#8

Diethyl Ether
 Concen: 1.049 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Tgt Ion: 74 Resp: 2443
 Ion Ratio Lower Upper
 74 100
 45 122.6 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.108 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampled :

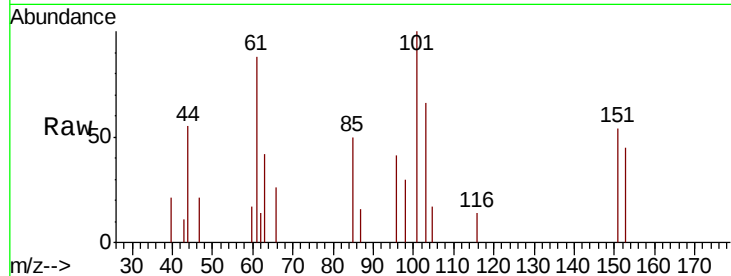
Tot Ion:101 Resp: 4016

Ion Ratio Lower Upper

101 100

85 44.2 37.2 55.8

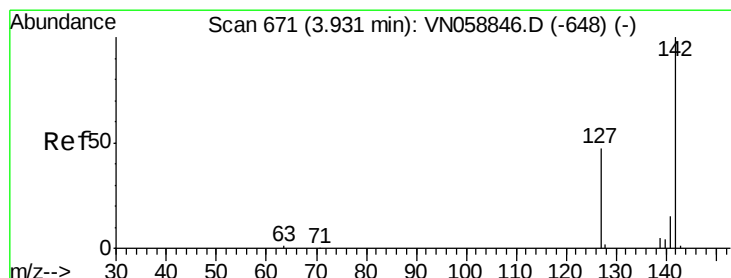
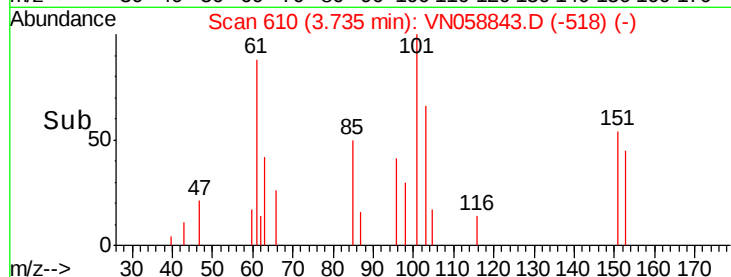
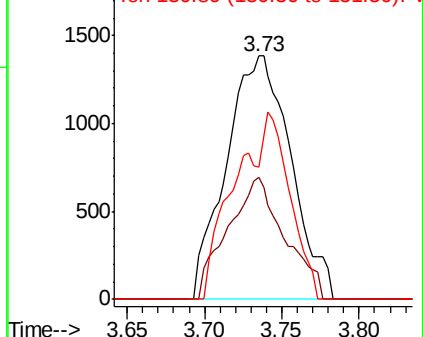
151 32.3 59.9 89.9#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.913 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

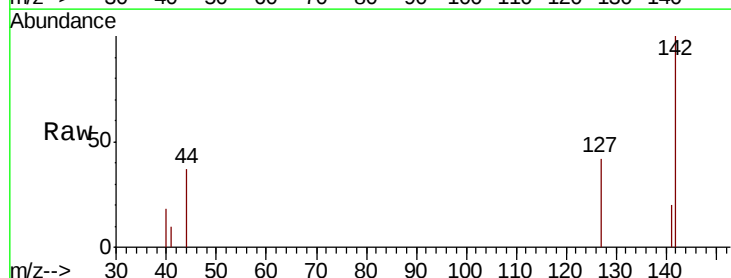
Tgt Ion:142 Resp: 4481

Ion Ratio Lower Upper

142 100

127 42.5 36.6 54.8

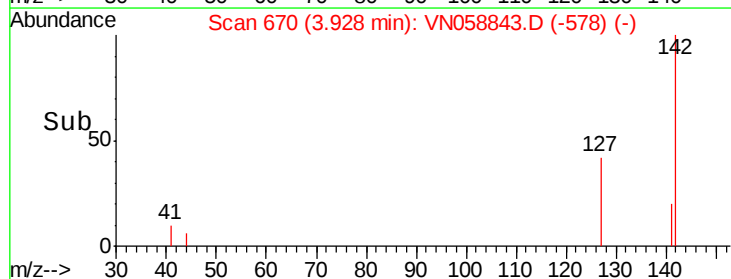
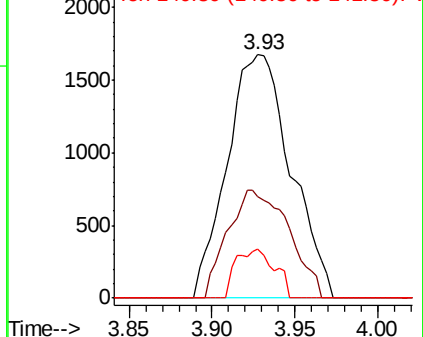
141 12.2 11.4 17.2

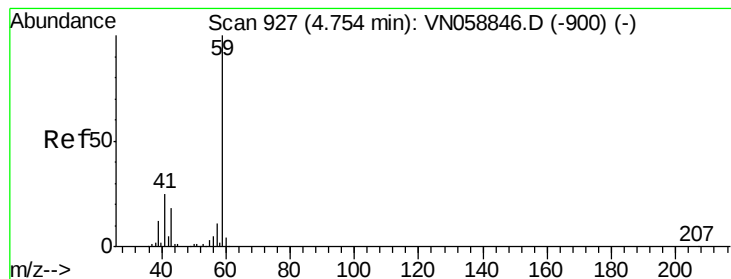


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



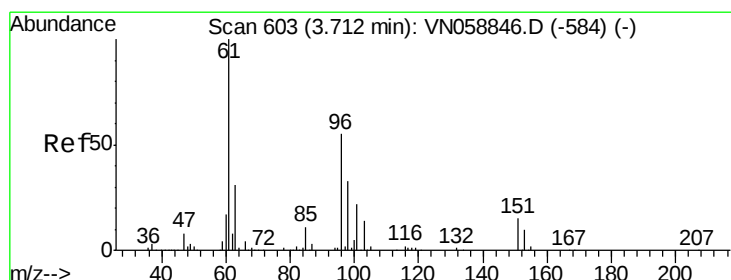
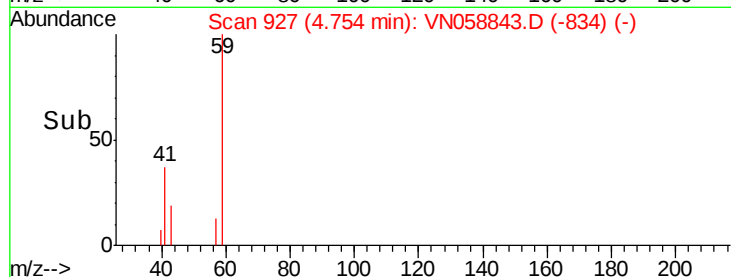
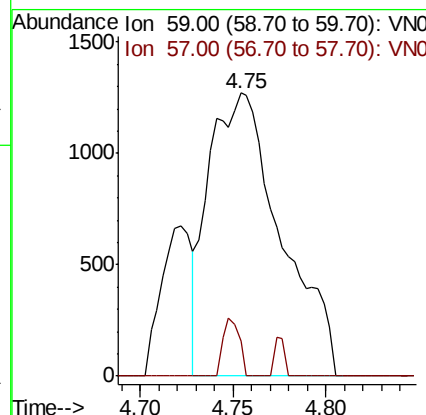
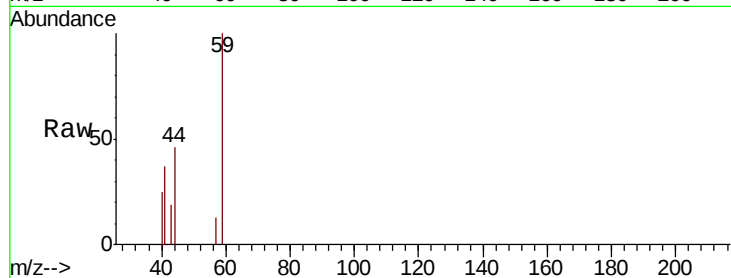


#11

Tert butyl alcohol
 Concen: 4.189 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Instrument :
 MSVOA_N
 ClientSampled :

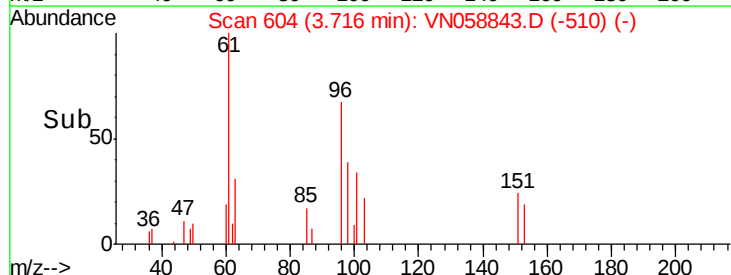
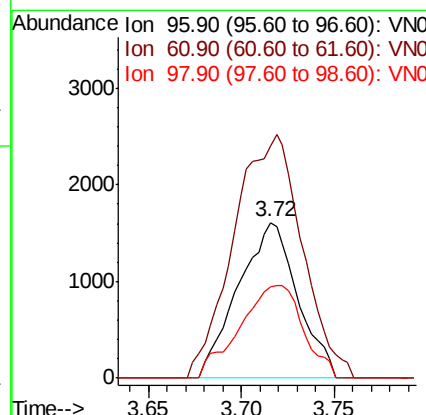
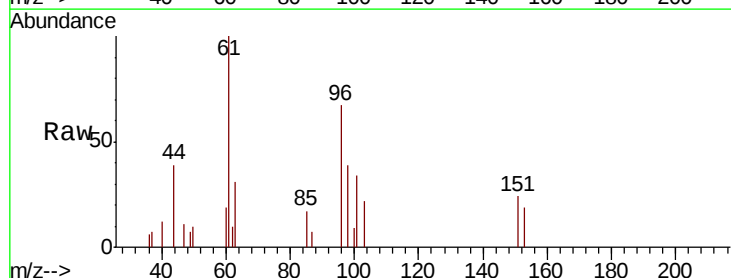
Tot Ion: 59 Resp: 3452
 Ion Ratio Lower Upper
 59 100
 57 4.6 8.6 12.8#

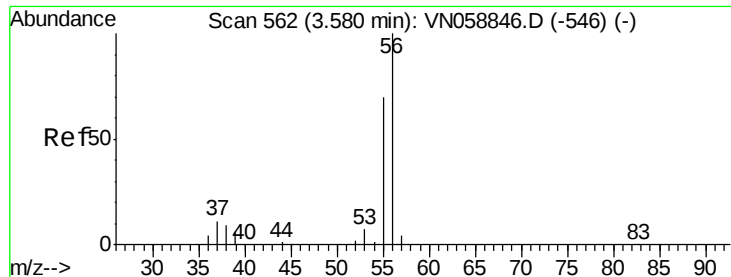


#12

1,1-Dichloroethene
 Concen: 1.035 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Tgt Ion: 96 Resp: 3568
 Ion Ratio Lower Upper
 96 100
 61 139.3 146.2 219.2#
 98 58.9 48.7 73.1





#13

Acrolein

Concen: 1.445 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

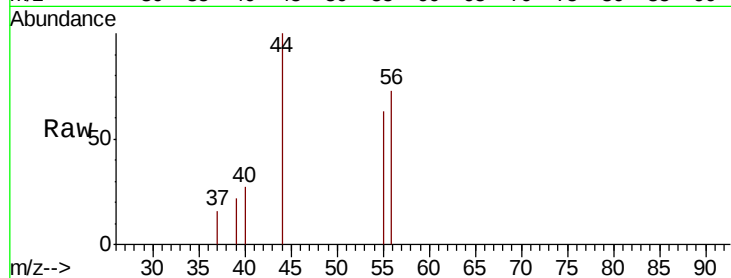
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 936

Ion Ratio Lower Upper

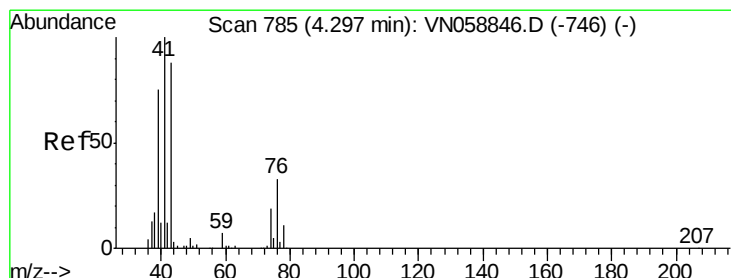
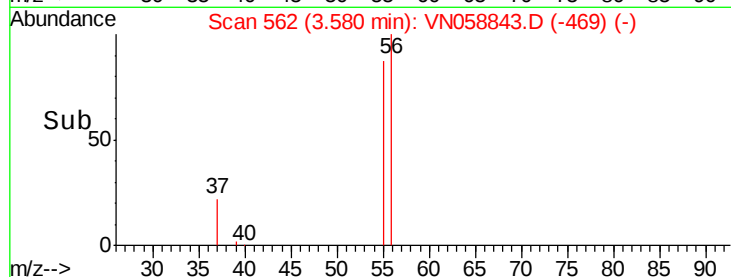
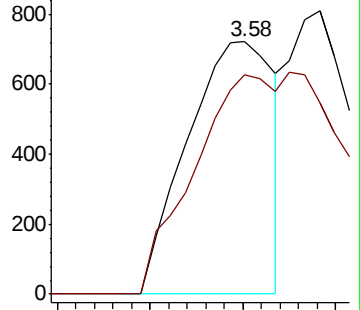
56 100

55 82.6 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 0.943 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

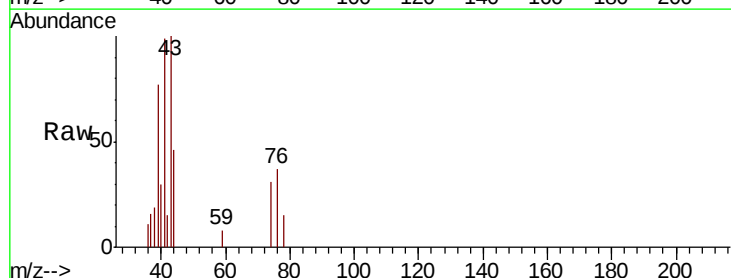
Tgt Ion: 41 Resp: 6588

Ion Ratio Lower Upper

41 100

39 74.6 55.9 83.9

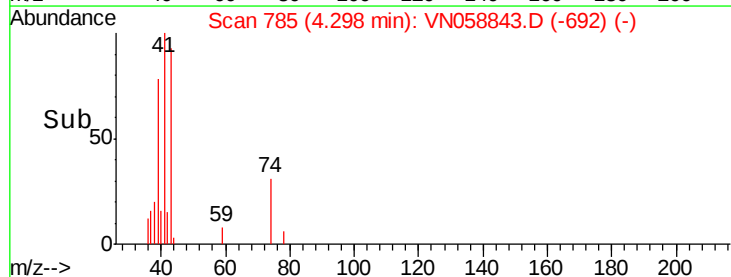
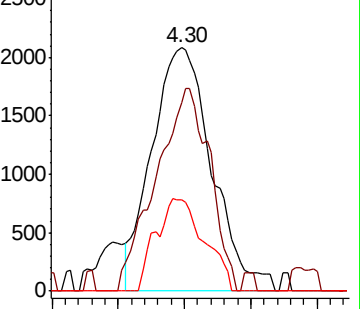
76 30.5 24.1 36.1

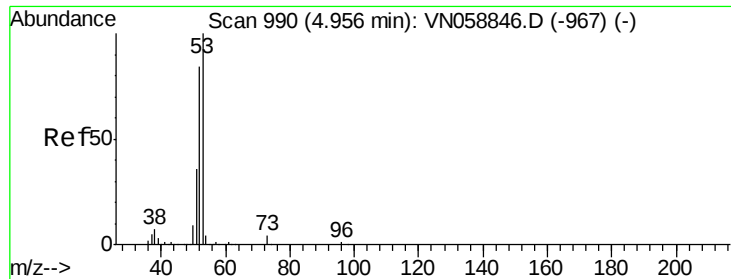


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 4.406 ug/l

RT: 4.96 min Scan# 991

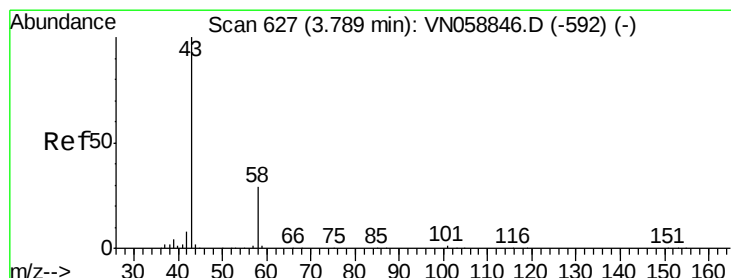
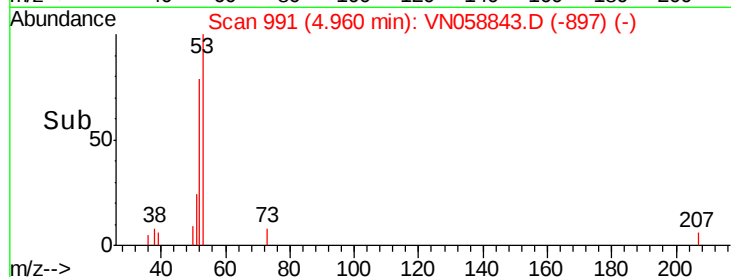
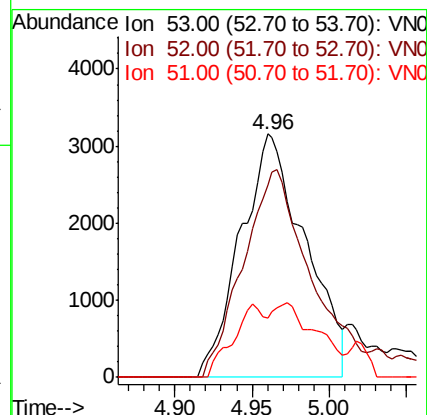
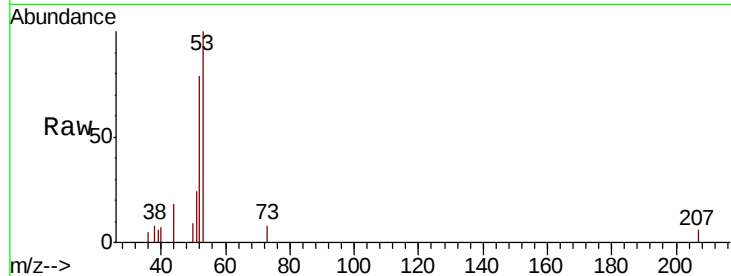
Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	53	Resp:	9144
Ion	Ratio	Lower	Upper
53	100		
52	89.5	66.6	99.8
51	15.2	29.2	43.8#



#16

Acetone

Concen: 5.441 ug/l

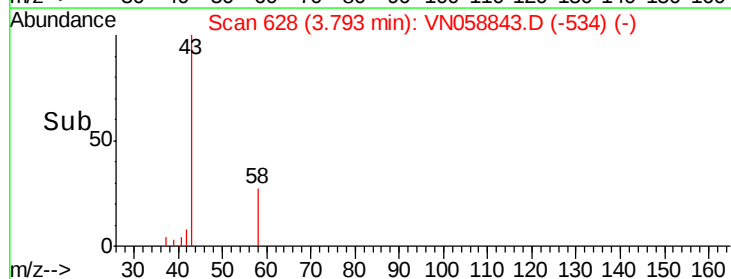
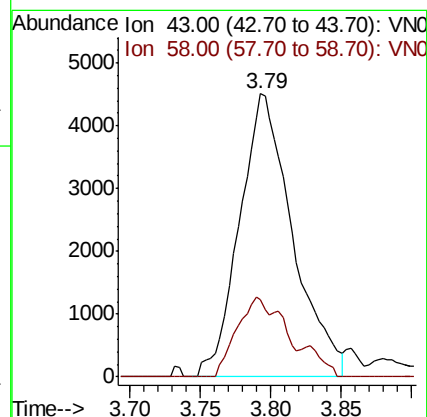
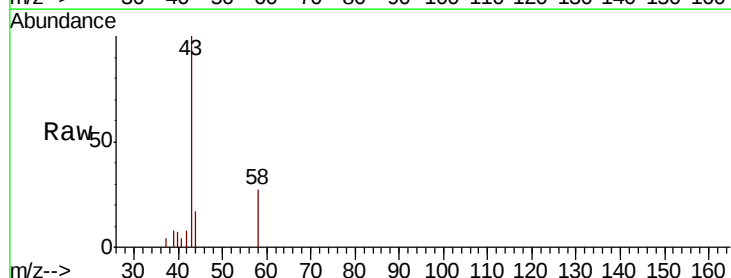
RT: 3.79 min Scan# 628

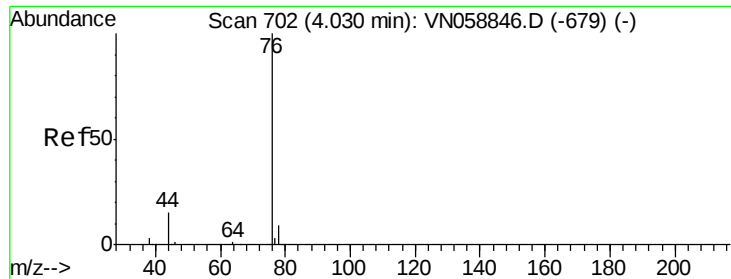
Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Tgt Ion:	43	Resp:	11868
Ion	Ratio	Lower	Upper
43	100		
58	27.3	23.1	34.7

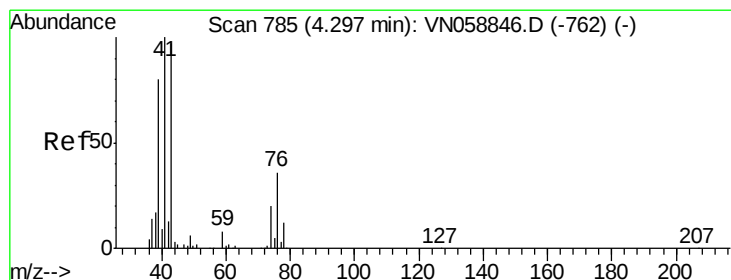
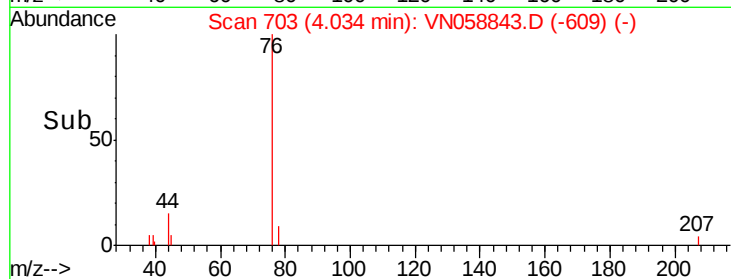
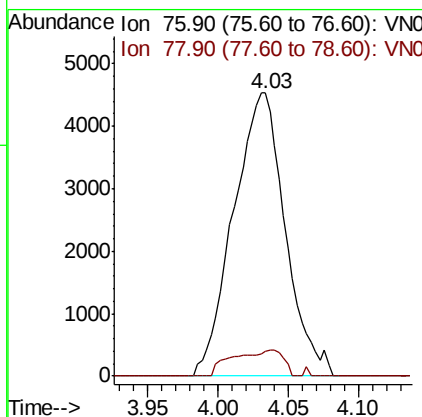
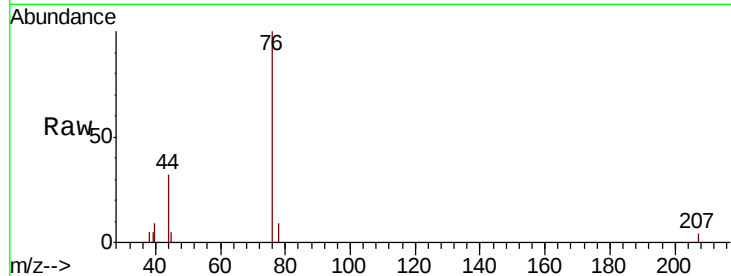




#17
Carbon Disulfide
Concen: 1.047 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

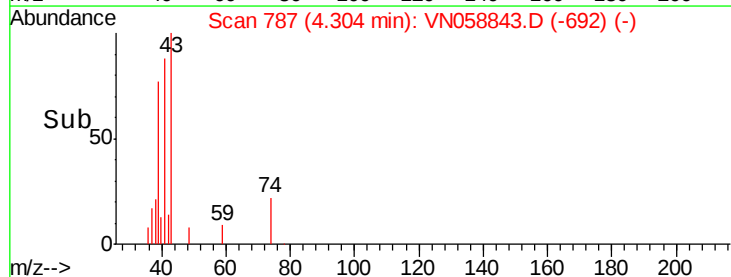
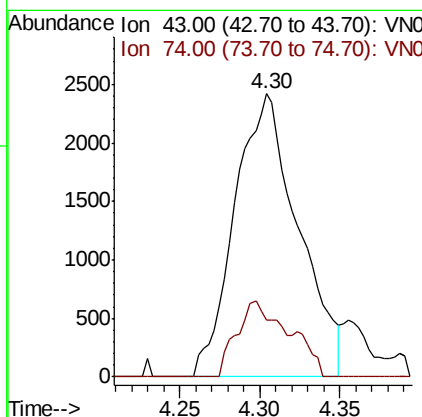
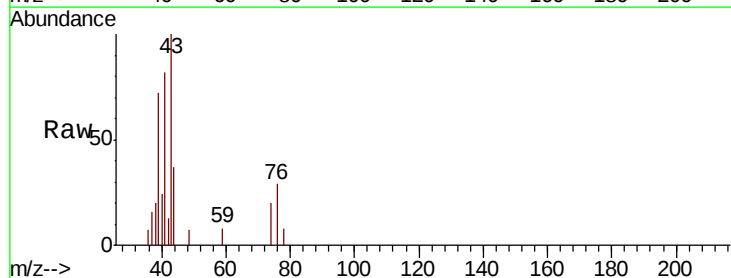
Instrument :
MSVOA_N
ClientSampled :

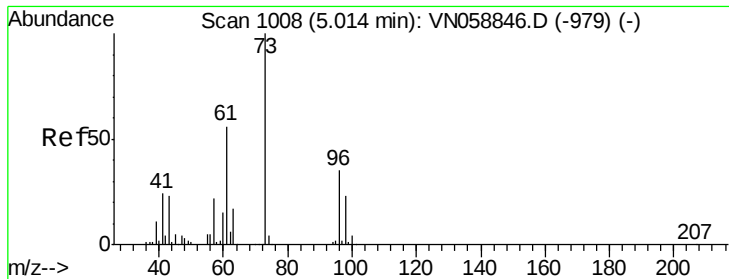
Tot Ion: 76 Resp: 11607
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7



#18
Methyl Acetate
Concen: 1.240 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.01 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Tgt Ion: 43 Resp: 6605
Ion Ratio Lower Upper
43 100
74 22.1 17.1 25.7



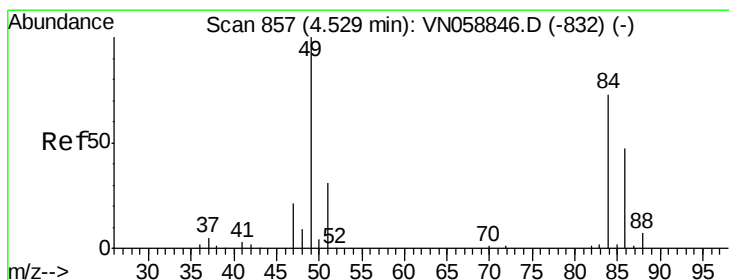
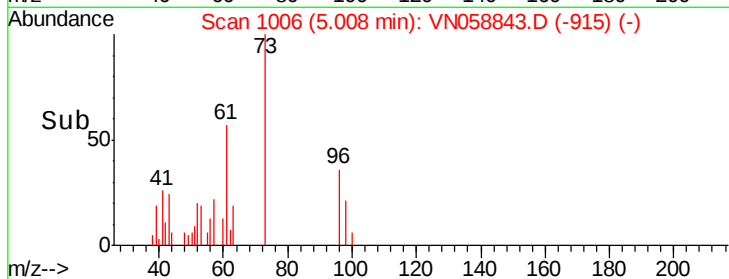
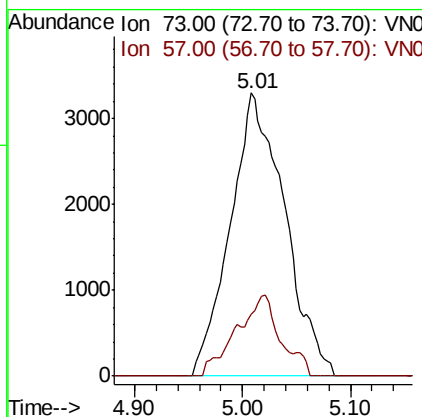
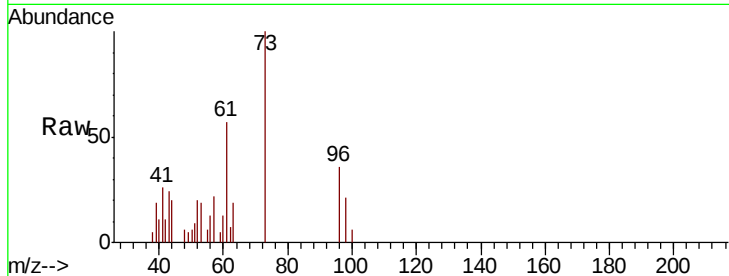


#19

Methyl tert-butyl Ether
 Concen: 0.938 ug/l
 RT: 5.01 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Instrument :
 MSVOA_N
 ClientSampled :

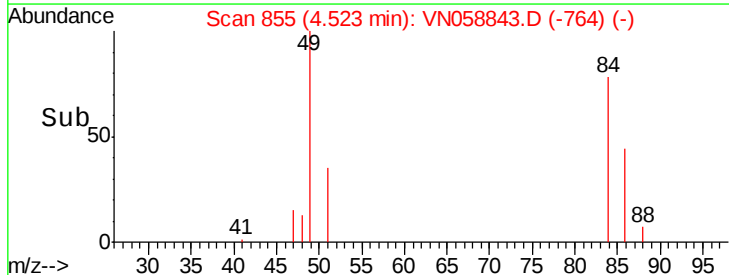
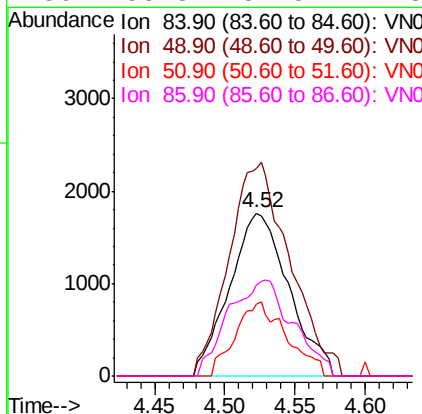
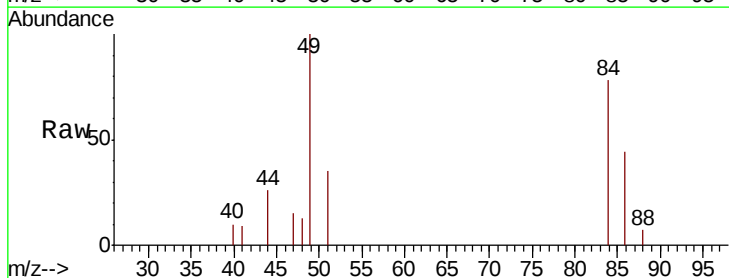
Tot Ion: 73 Resp: 11533
 Ion Ratio Lower Upper
 73 100
 57 21.8 17.9 26.9

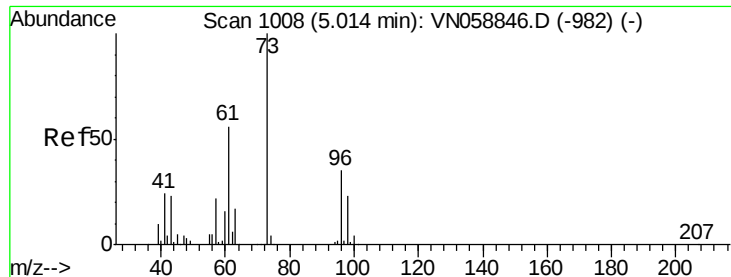


#20

Methylene Chloride
 Concen: 1.188 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Tgt Ion: 84 Resp: 5164
 Ion Ratio Lower Upper
 84 100
 49 127.7 109.6 164.4
 51 44.2 33.8 50.6
 86 55.8 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 0.977 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

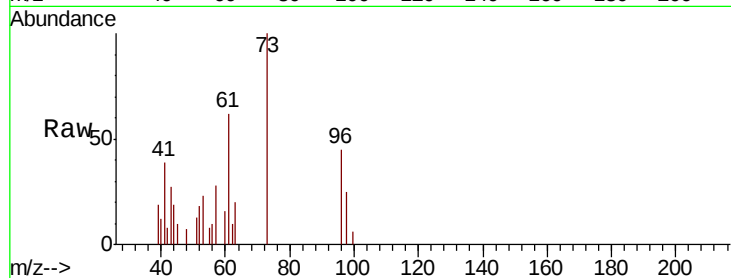
Tot Ion: 96 Resp: 3763

Ion Ratio Lower Upper

96 100

61 137.6 126.7 190.1

98 54.7 52.0 78.0

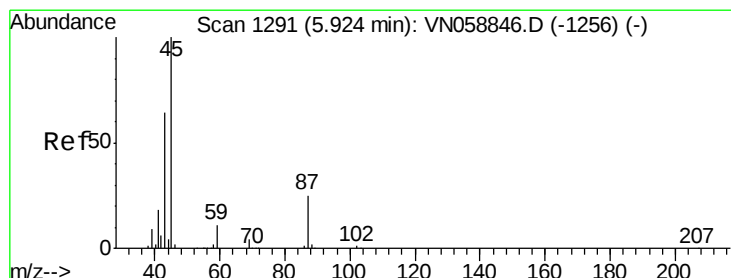
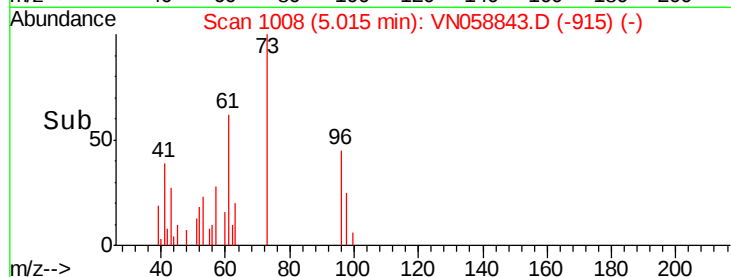
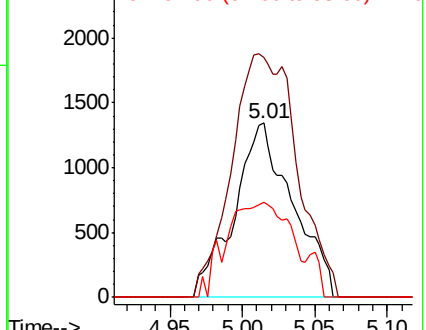


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 0.864 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Tgt Ion: 45 Resp: 11759

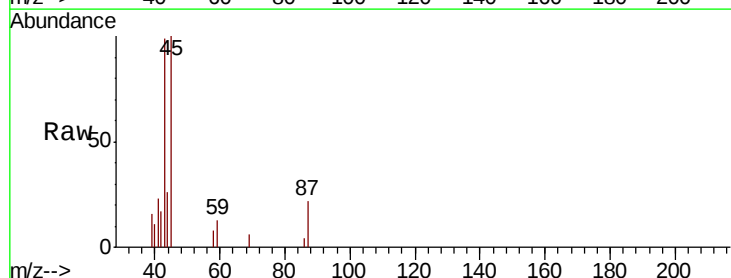
Ion Ratio Lower Upper

45 100

43 86.4 52.9 79.3#

87 21.5 20.2 30.4

59 12.9 8.8 13.2



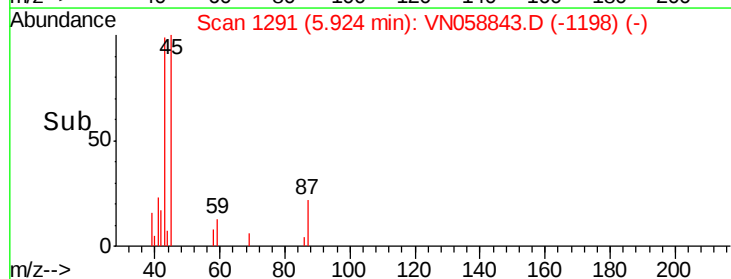
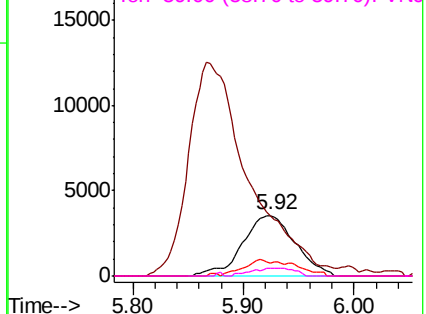
Abundance

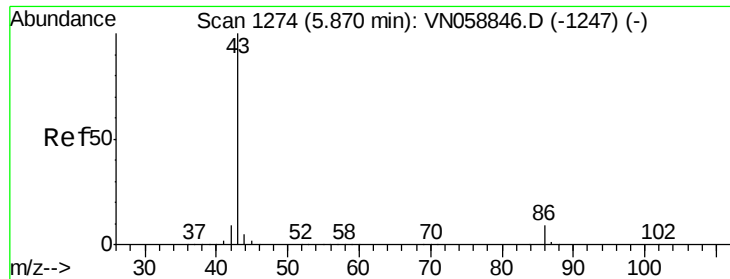
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 4.351 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

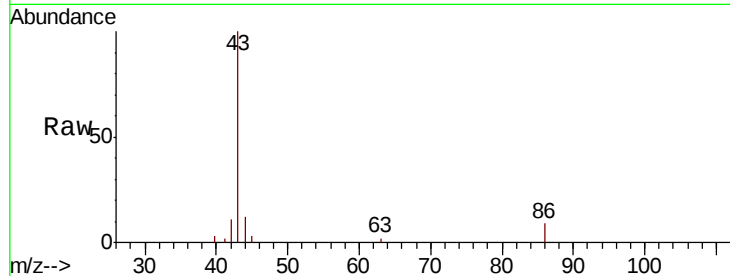
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 47802

Ion Ratio Lower Upper

43 100

86 9.2 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN058843.D (-1181) (-)

Ion 86.00 (85.70 to 86.70): VN058843.D (-1181) (-)

5.87

15000

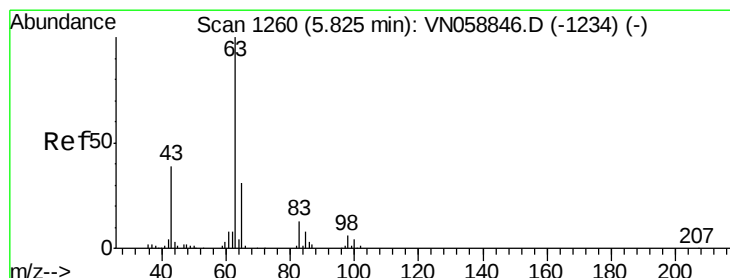
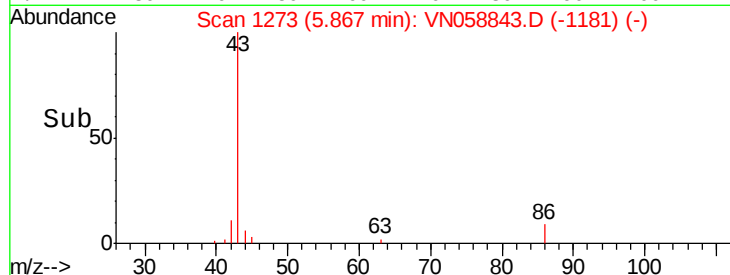
10000

5000

0

Time-->

5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 1.112 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

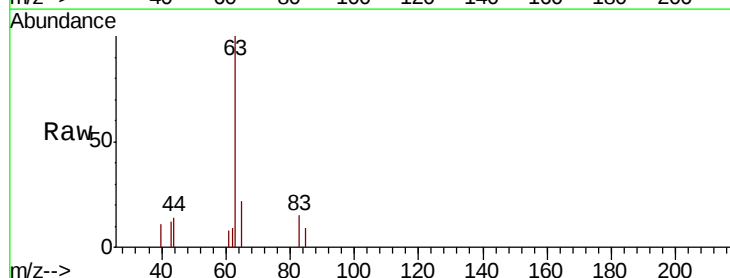
Tgt Ion: 63 Resp: 8582

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.4#

100 0.0 1.9 5.7#



Abundance Ion 62.90 (62.60 to 63.60): VN058843.D (-1167) (-)

Ion 97.90 (97.60 to 98.60): VN058843.D (-1167) (-)

Ion 99.90 (99.60 to 100.60): VN058843.D (-1167) (-)

4000

3000

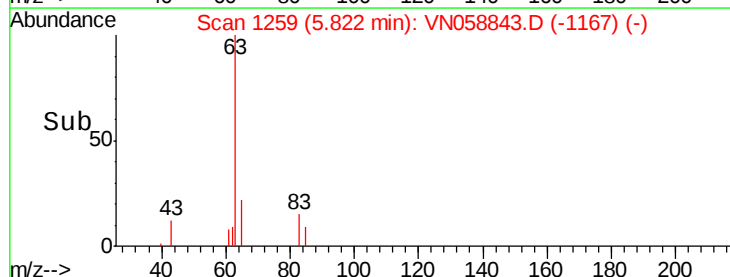
2000

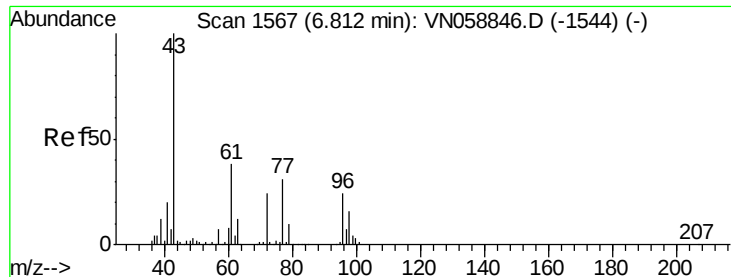
1000

0

Time-->

5.75 5.80 5.85 5.90

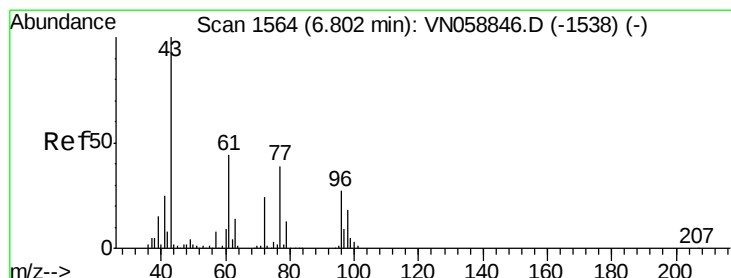
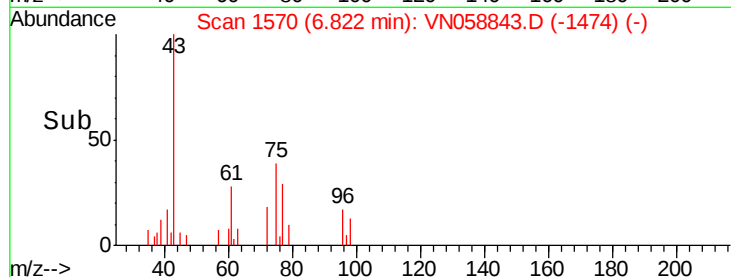
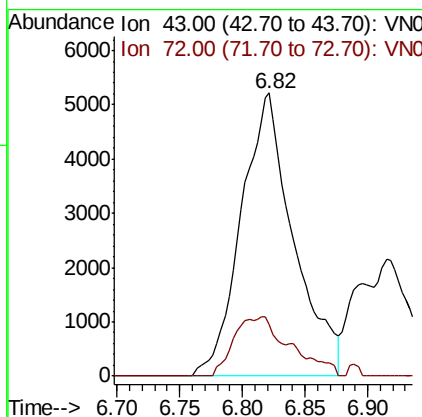
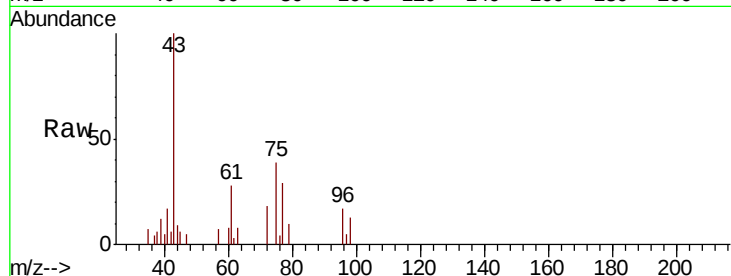




#25
 2-Butanone
 Concen: 4.919 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

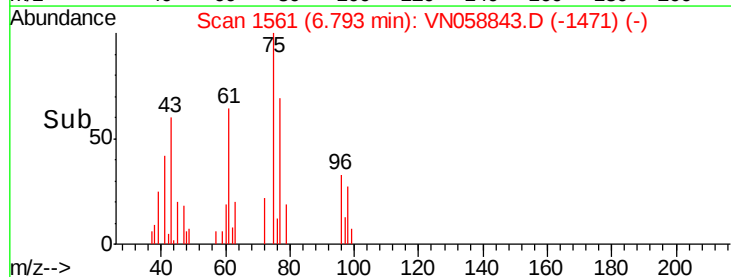
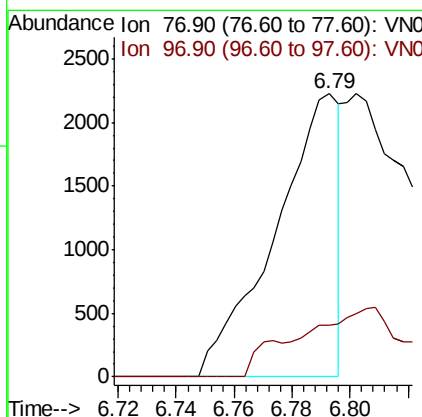
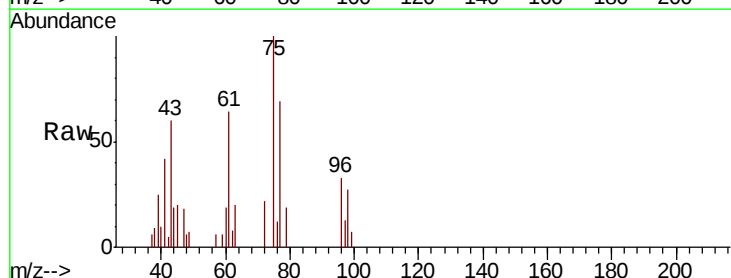
Instrument :
 MSVOA_N
 ClientSampled :

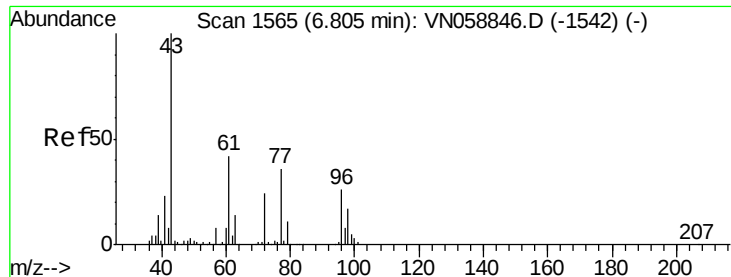
Tot Ion: 43 Resp: 15140
 Ion Ratio Lower Upper
 43 100
 72 18.3 19.1 28.7#



#26
 2,2-Dichloropropane
 Concen: 0.485 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Tgt Ion: 77 Resp: 3415
 Ion Ratio Lower Upper
 77 100
 97 32.1 10.6 31.8#





#27

cis-1,2-Dichloroethene

Concen: 0.952 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampled :

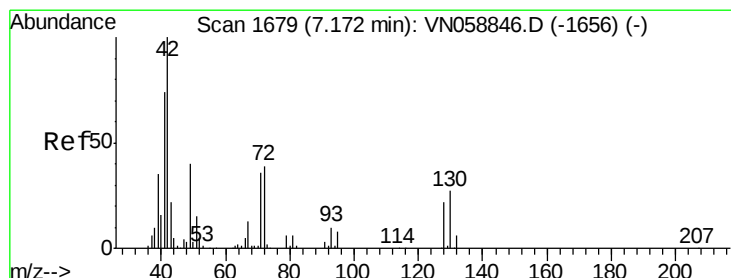
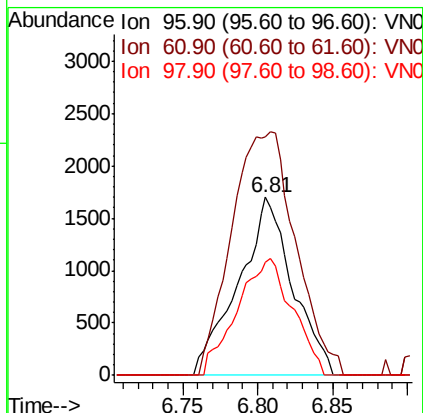
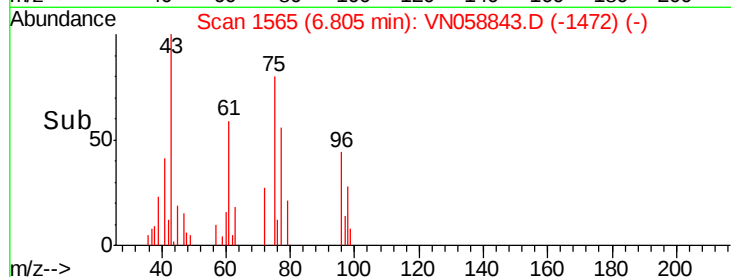
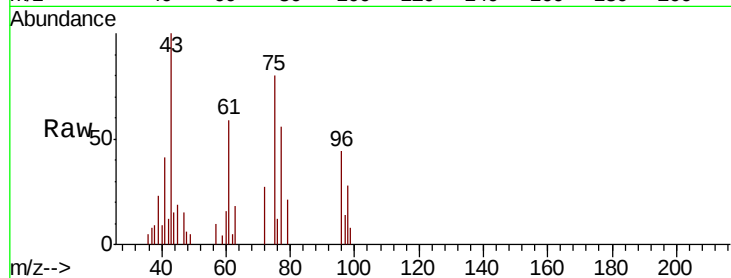
Tot Ion: 96 Resp: 4287

Ion Ratio Lower Upper

96 100

61 161.5 0.0 325.0

98 66.9 0.0 128.0



#28

Bromochloromethane

Concen: 1.044 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

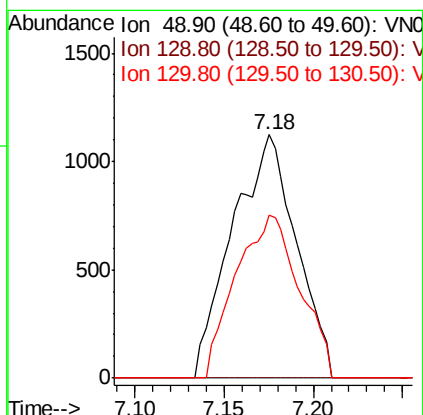
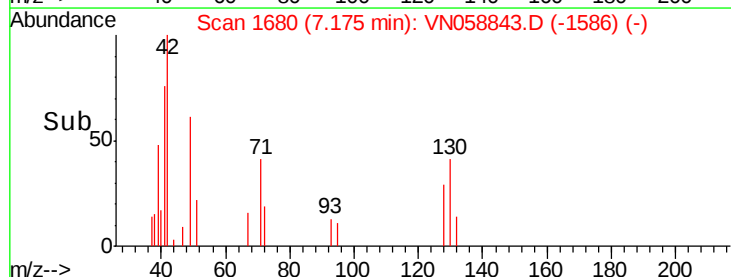
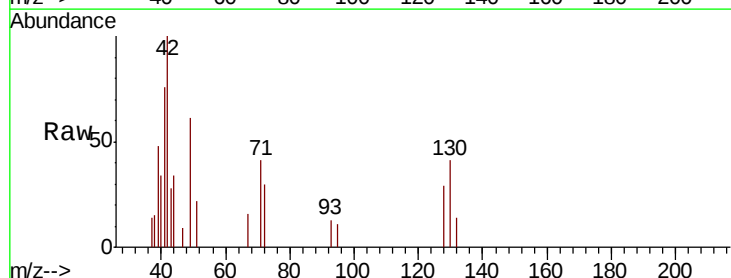
Tgt Ion: 49 Resp: 2798

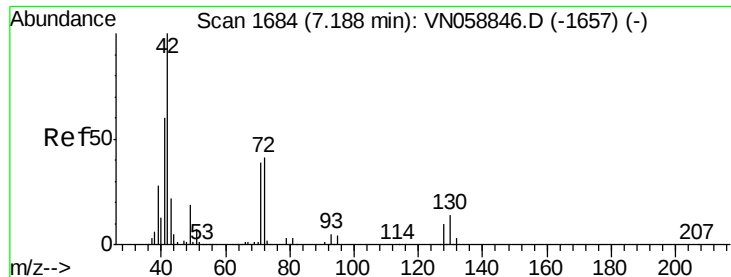
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.2

130 66.8 53.5 80.3

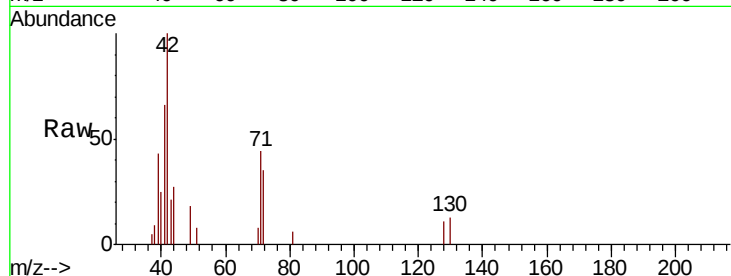




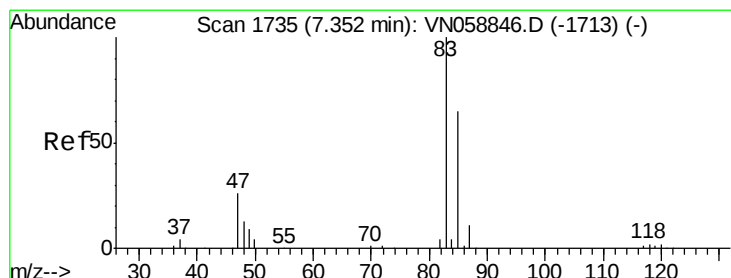
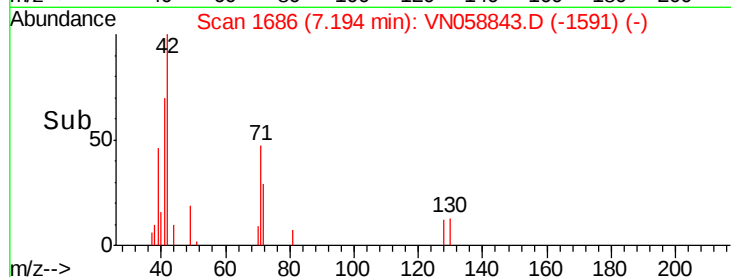
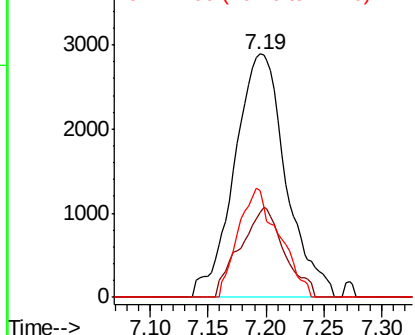
#29
Tetrahydrofuran
Concen: 4.521 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 8907
Ion Ratio Lower Upper
42 100
72 31.9 32.2 48.2#
71 35.8 30.6 45.8

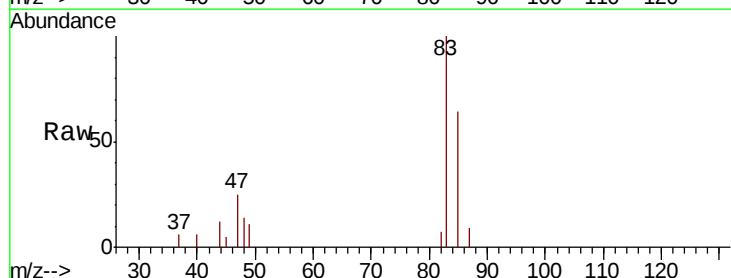


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

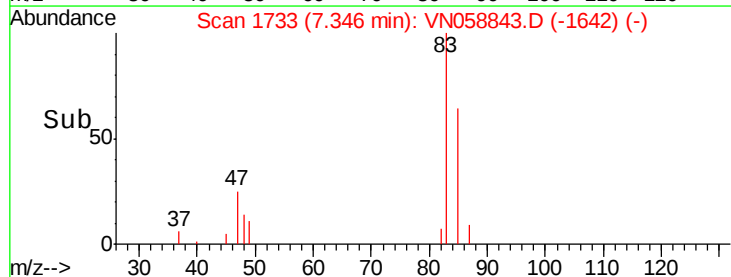
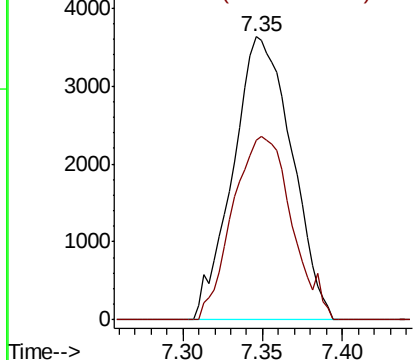


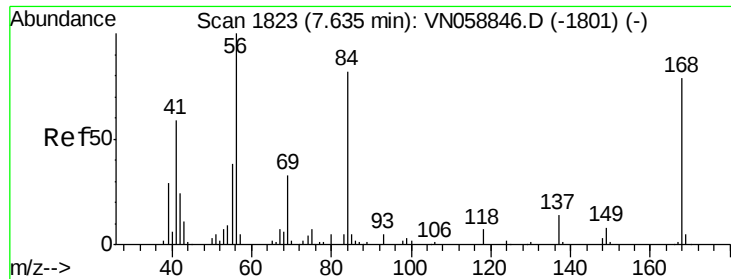
#30
Chloroform
Concen: 1.177 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.01 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Tgt Ion: 83 Resp: 9155
Ion Ratio Lower Upper
83 100
85 63.7 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

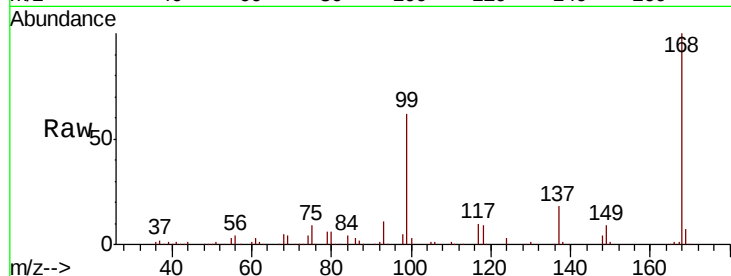




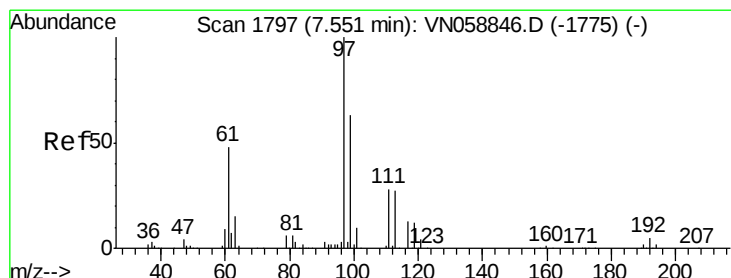
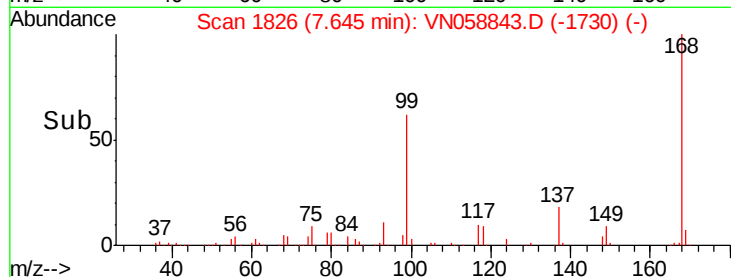
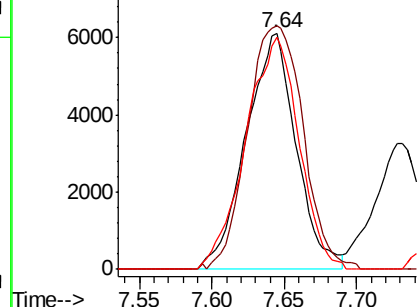
#31
Cyclohexane
Concen: 1.992 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 14752
Ion Ratio Lower Upper
56 100
69 102.9 26.2 39.4#
84 97.9 65.6 98.4

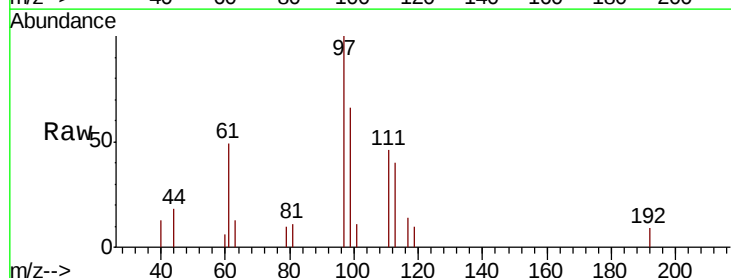


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

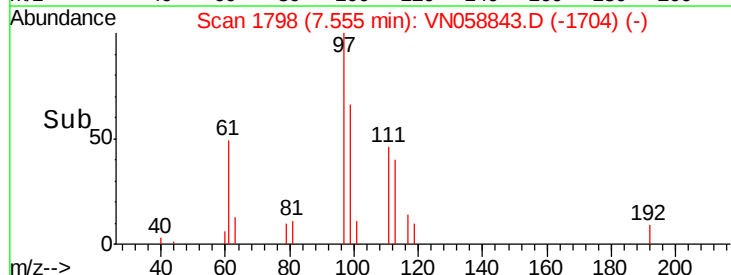
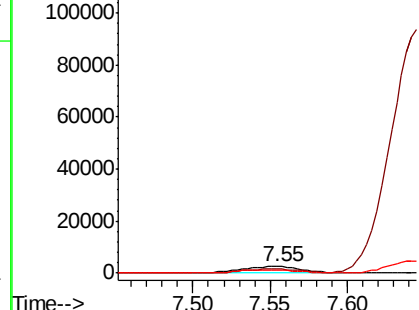


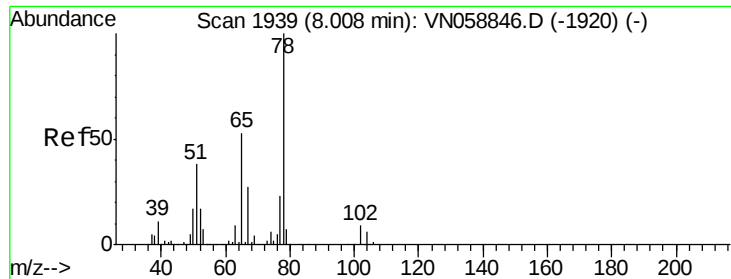
#32
1,1,1-Trichloroethane
Concen: 1.009 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Tgt Ion: 97 Resp: 6673
Ion Ratio Lower Upper
97 100
99 0.0 51.0 76.4#
61 50.5 38.6 58.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

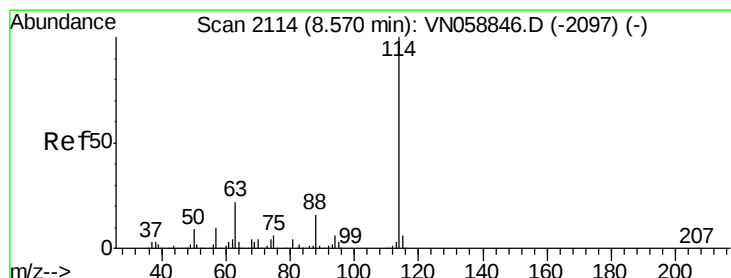
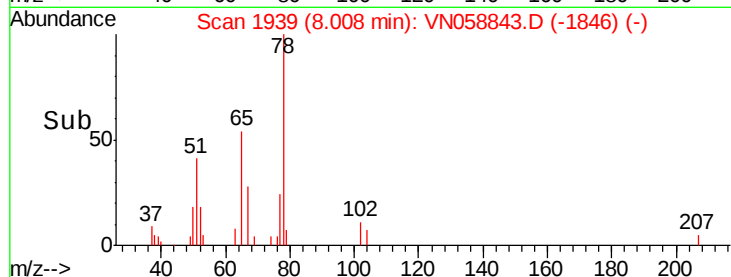
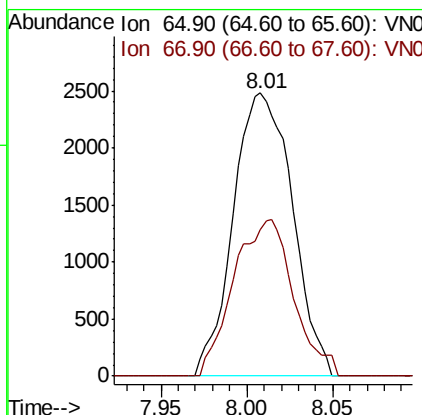
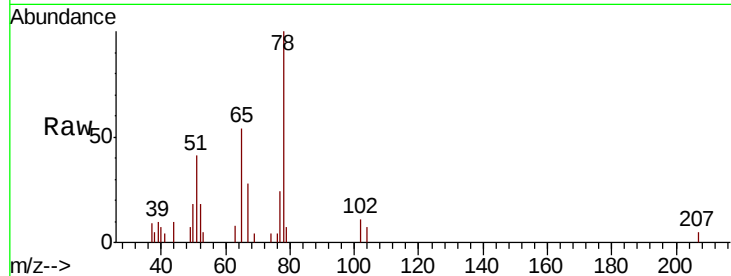




#33
 1,2-Dichloroethane-d4
 Concen: 1.173 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

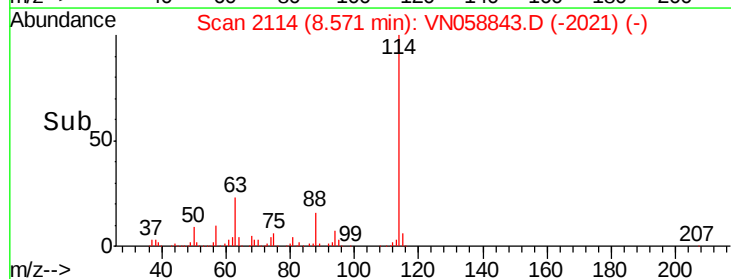
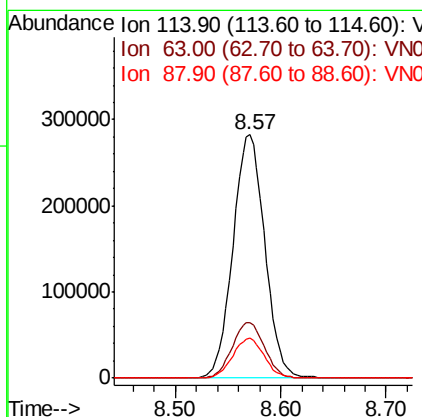
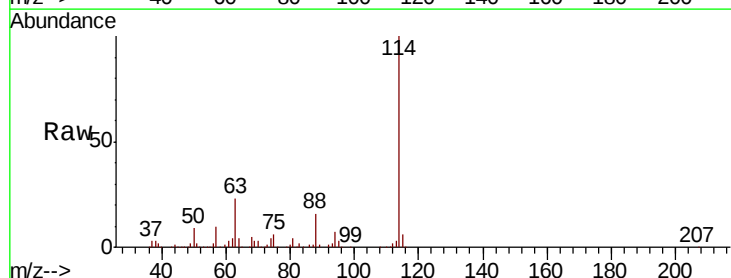
Instrument :
 MSVOA_N
 ClientSampled :

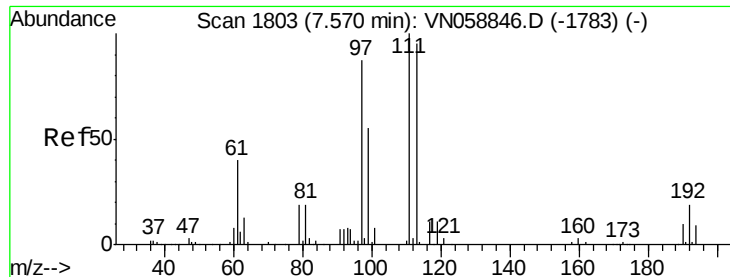
Tot Ion: 65 Resp: 5922
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Tgt Ion: 114 Resp: 591218
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 44.4
 88 16.3 0.0 31.4

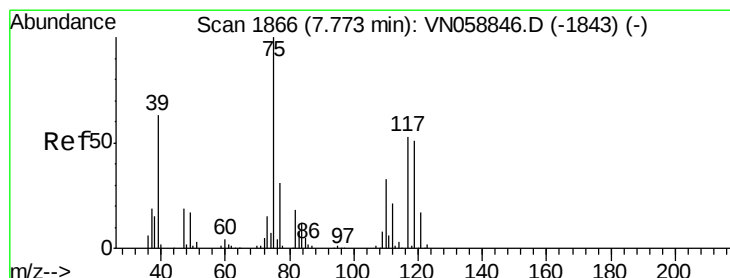
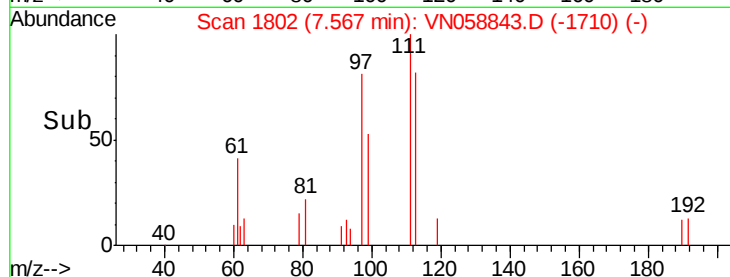
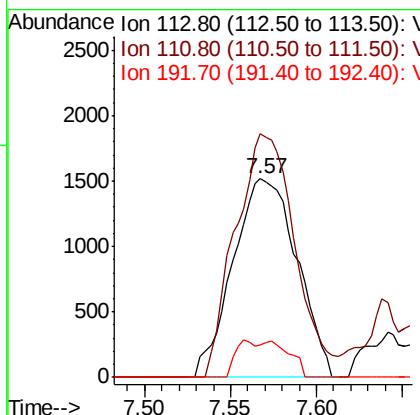
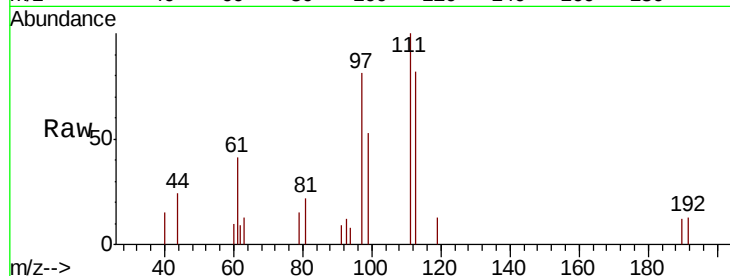




#35
 Dibromofluoromethane
 Concen: 1.060 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

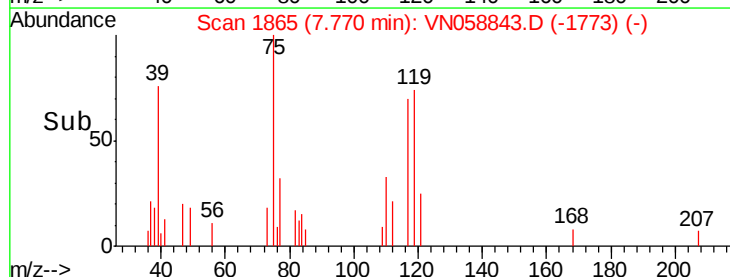
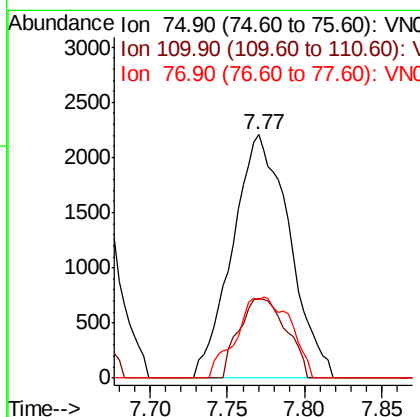
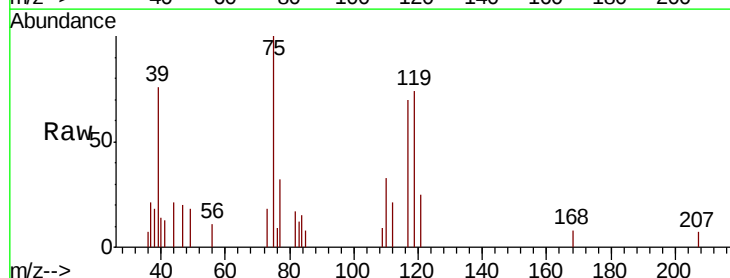
Instrument :
 MSVOA_N
 ClientSampled :

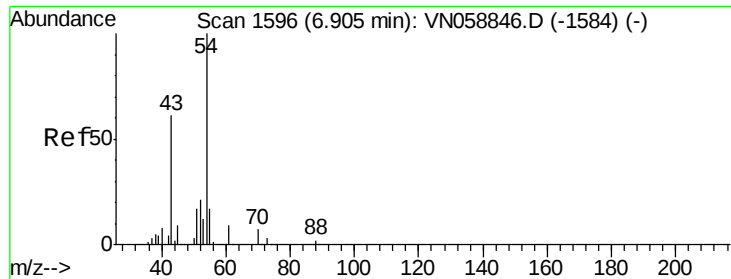
Tot Ion:113 Resp: 3918
 Ion Ratio Lower Upper
 113 100
 111 114.3 82.0 123.0
 192 5.9 15.0 22.6#



#36
 1,1-Dichloropropene
 Concen: 0.934 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Tgt Ion: 75 Resp: 5639
 Ion Ratio Lower Upper
 75 100
 110 27.1 16.3 48.9
 77 31.8 24.6 36.8

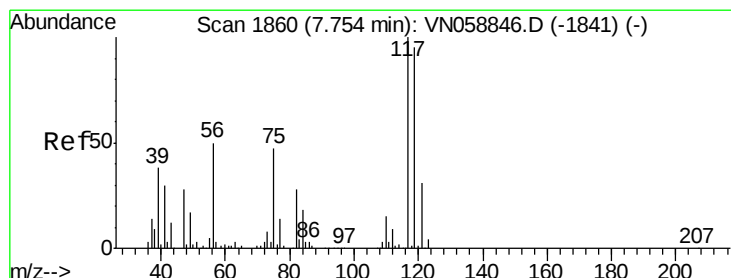
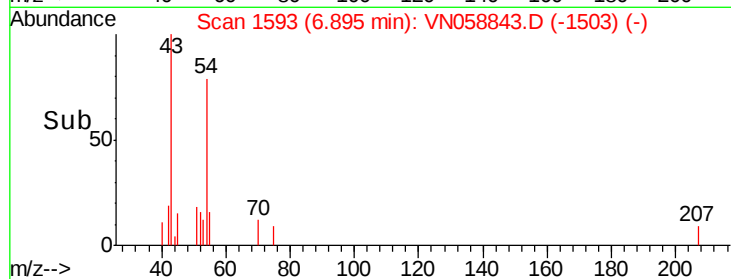
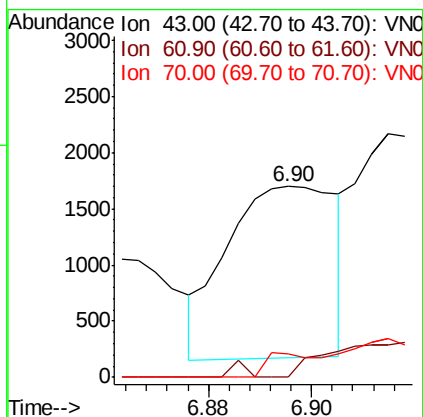
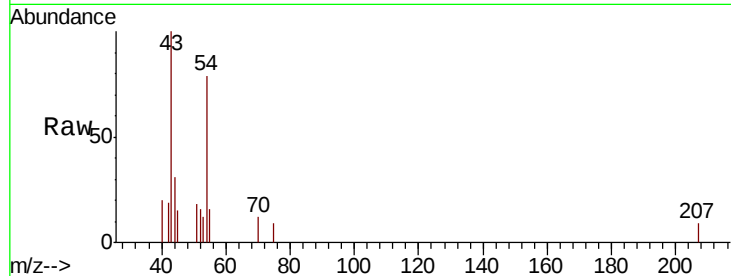




#37
Ethyl Acetate
Concen: 0.364 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.01 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

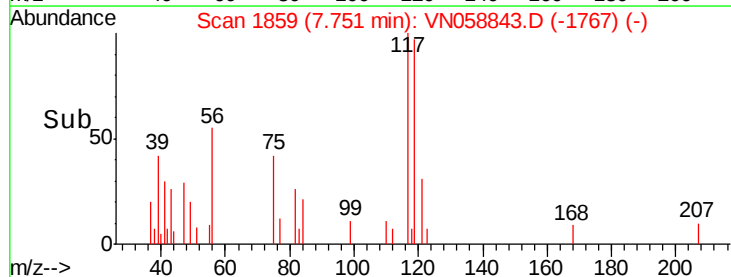
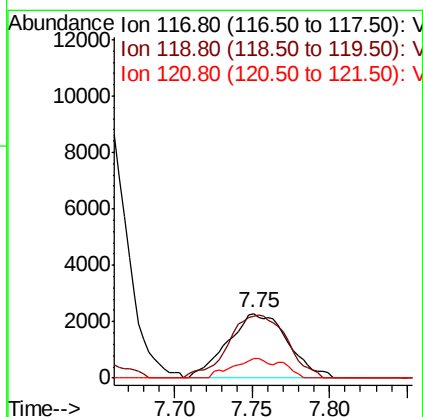
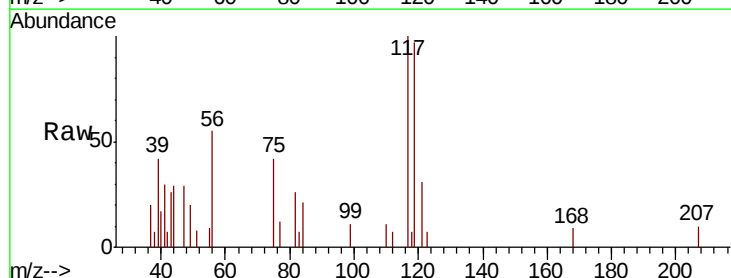
Instrument :
MSVOA_N
ClientSampled :

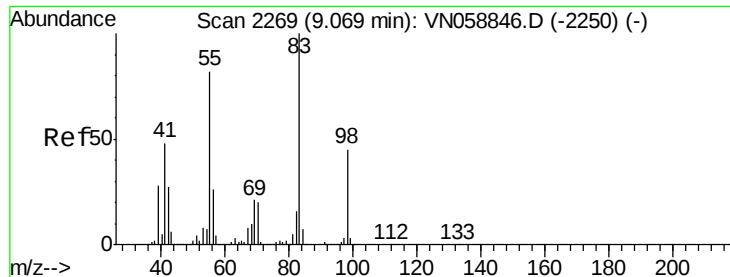
Tot Ion: 43 Resp: 2245
Ion Ratio Lower Upper
43 100
61 0.0 10.5 15.7#
70 5.2 7.6 11.4#



#38
Carbon Tetrachloride
Concen: 1.052 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Tgt Ion: 117 Resp: 6191
Ion Ratio Lower Upper
117 100
119 96.7 75.7 113.5
121 30.9 25.0 37.6

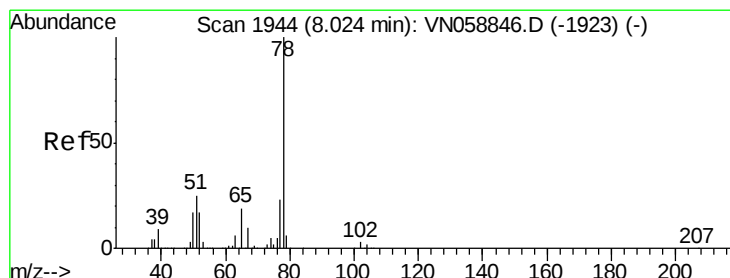
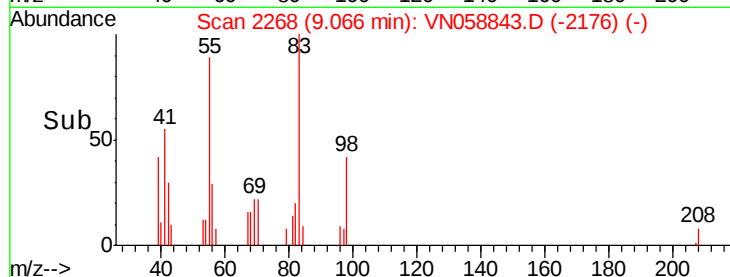
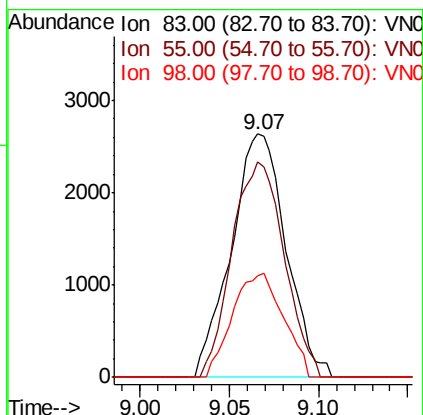
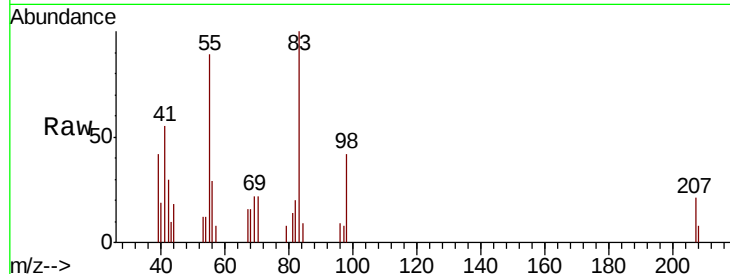




#39
Methvlcvclohexane
Concen: 0.809 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

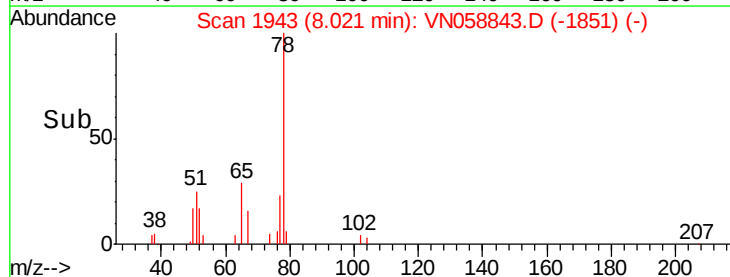
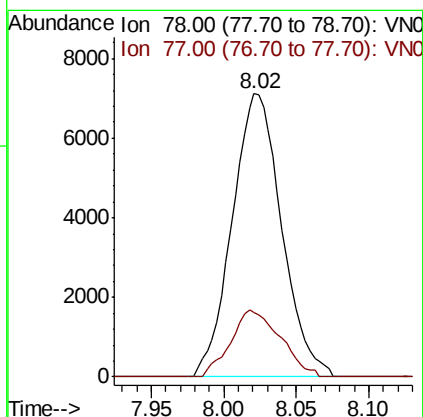
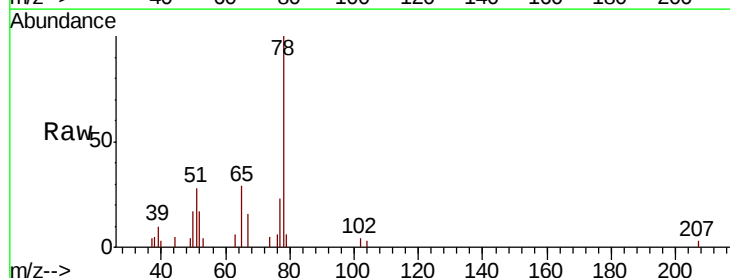
Instrument :
MSVOA_N
ClientSampleId :

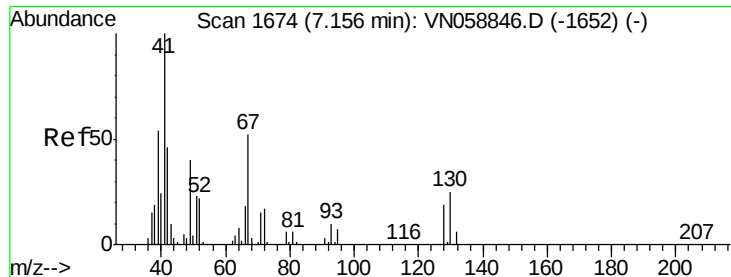
Tot Ion: 83 Resp: 5640
Ion Ratio Lower Upper
83 100
55 88.7 65.5 98.3
98 41.7 35.7 53.5



#40
Benzene
Concen: 0.972 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Tgt Ion: 78 Resp: 16886
Ion Ratio Lower Upper
78 100
77 22.8 18.2 27.2





#41

Methacrylonitrile

Concen: 1.105 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. 0.01 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 41 Resp: 3096

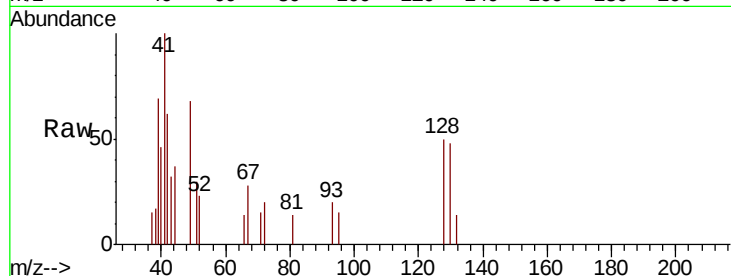
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 46.4 0.0 0.0#

52 8.9 0.0 0.0#

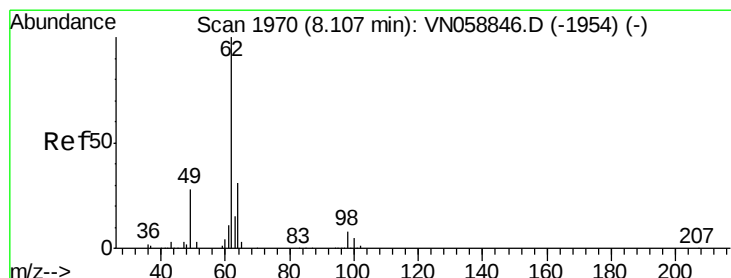
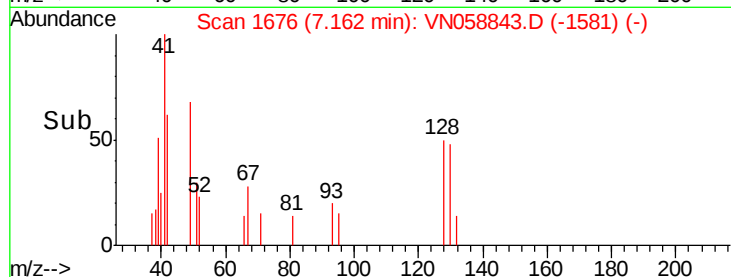
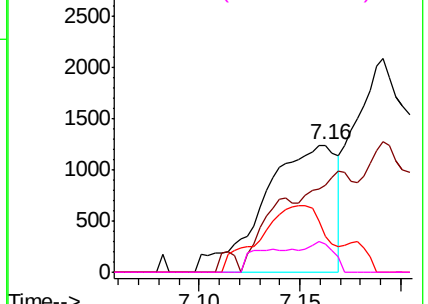


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 1.018 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VN058843.D

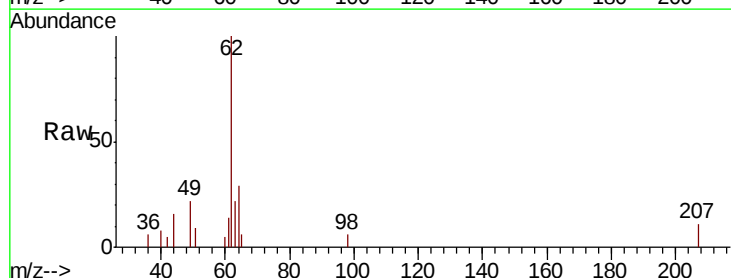
Acq: 18 Oct 2019 8:53

Tgt Ion: 62 Resp: 6788

Ion Ratio Lower Upper

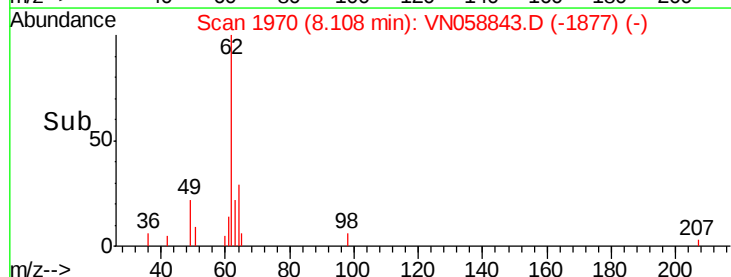
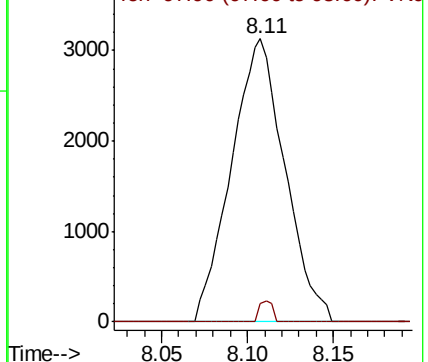
62 100

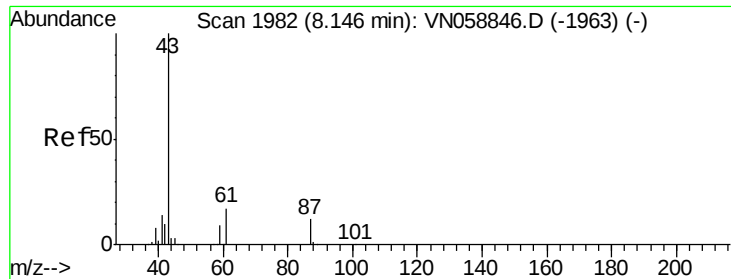
98 1.8 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 0.869 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

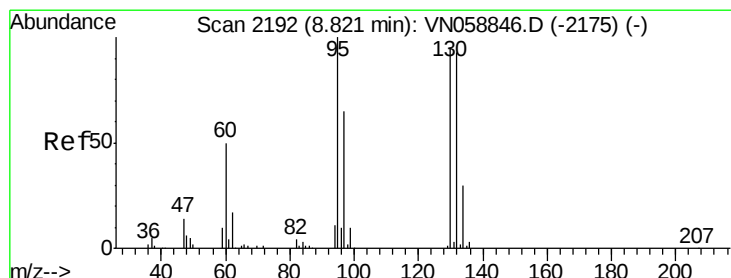
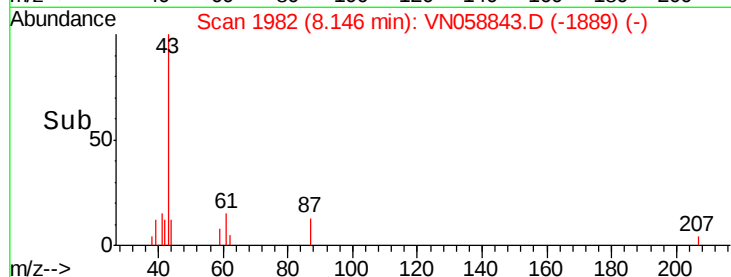
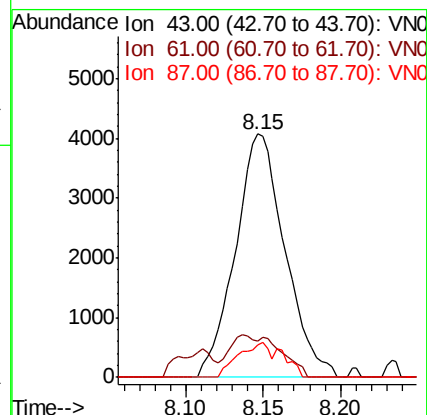
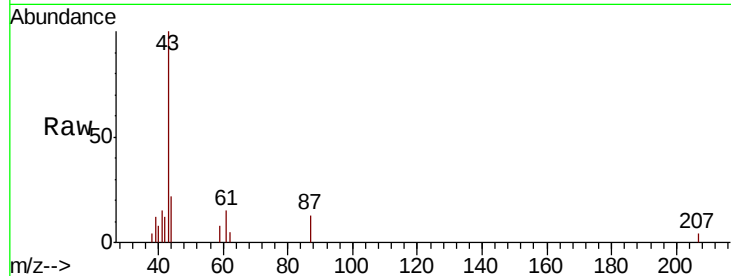
Tot Ion: 43 Resp: 9072

Ion Ratio Lower Upper

43 100

61 5.6 20.2 30.2#

87 9.0 9.5 14.3#



#44

Trichloroethene

Concen: 0.919 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058843.D

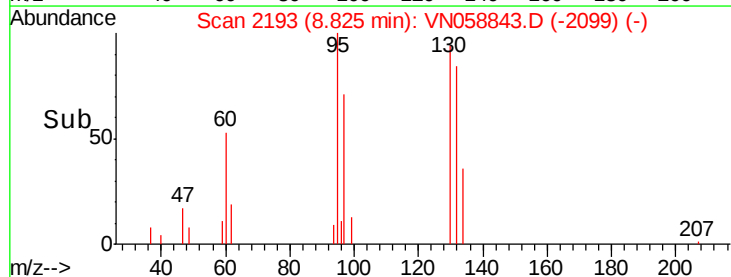
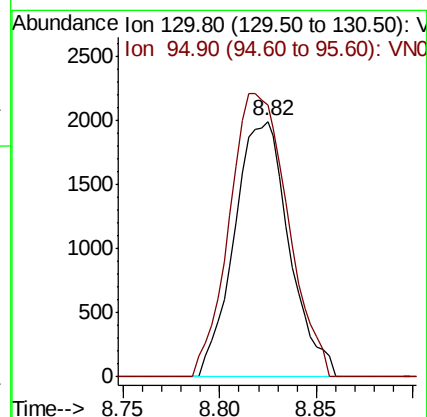
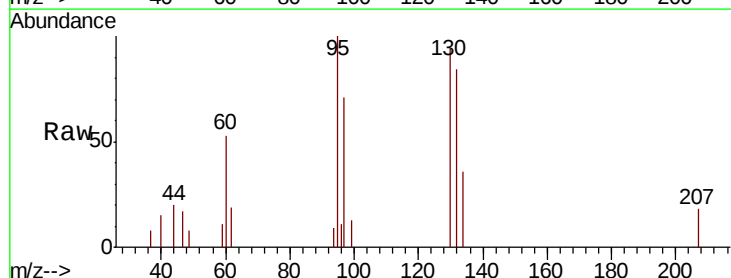
Acq: 18 Oct 2019 8:53

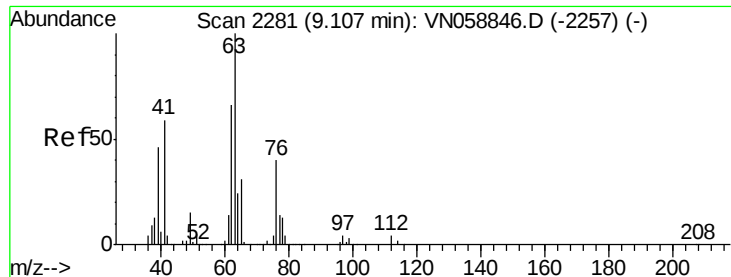
Tgt Ion: 130 Resp: 3945

Ion Ratio Lower Upper

130 100

95 106.4 0.0 209.6

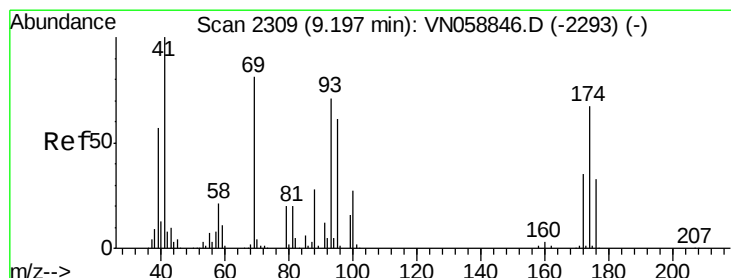
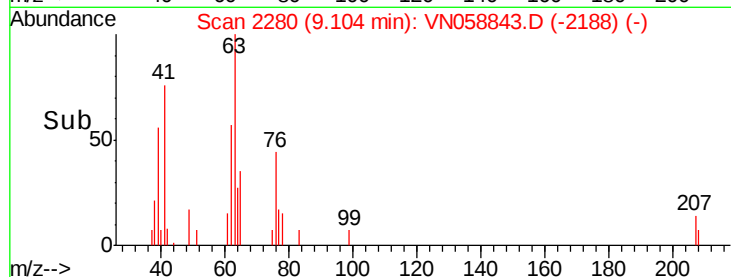
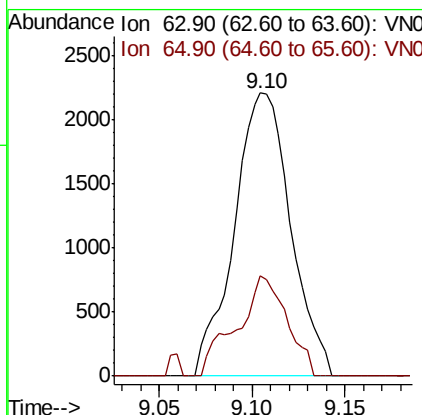
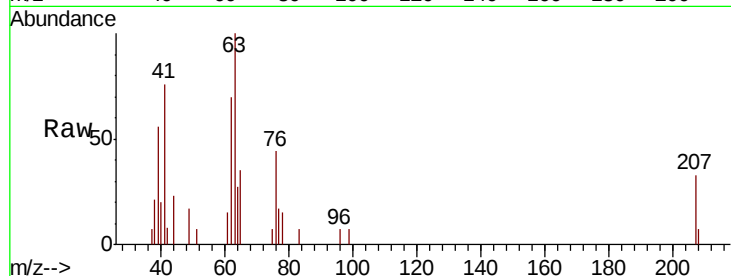




#45
 1,2-Dichloropropane
 Concen: 1.007 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

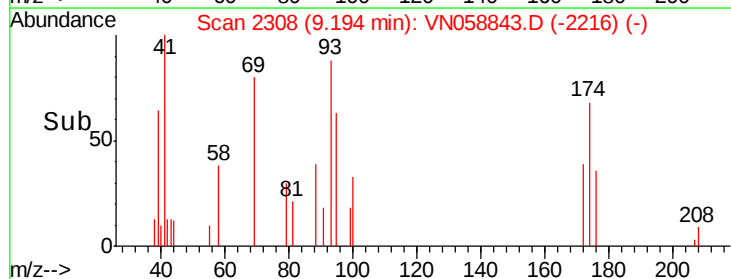
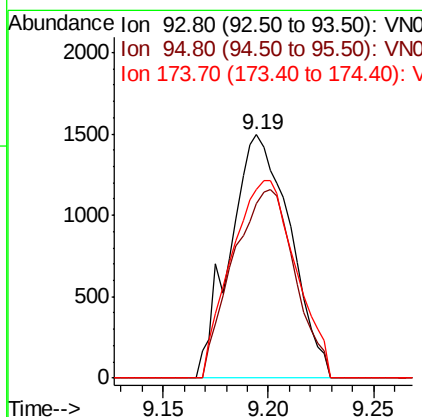
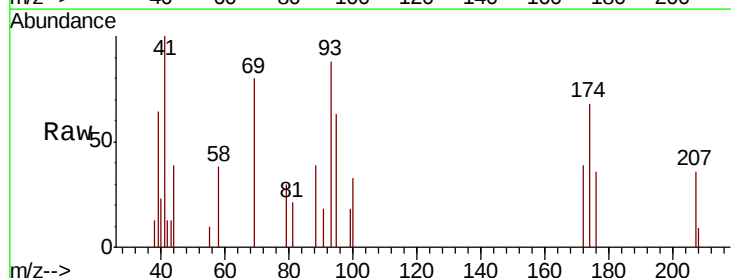
Instrument :
 MSVOA_N
 ClientSampled :

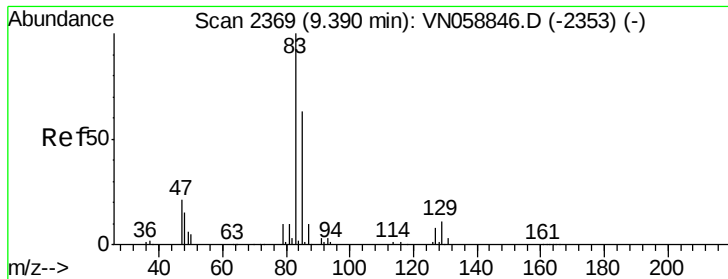
Tot Ion: 63 Resp: 4689
 Ion Ratio Lower Upper
 63 100
 65 35.2 24.5 36.7



#46
 Dibromomethane
 Concen: 1.003 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Tgt Ion: 93 Resp: 2952
 Ion Ratio Lower Upper
 93 100
 95 80.0 67.6 101.4
 174 87.1 74.1 111.1





#47

Bromodichloromethane

Concen: 0.989 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

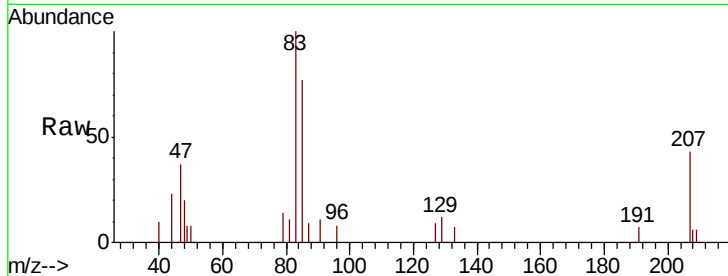
Tot Ion: 83 Resp: 5939

Ion Ratio Lower Upper

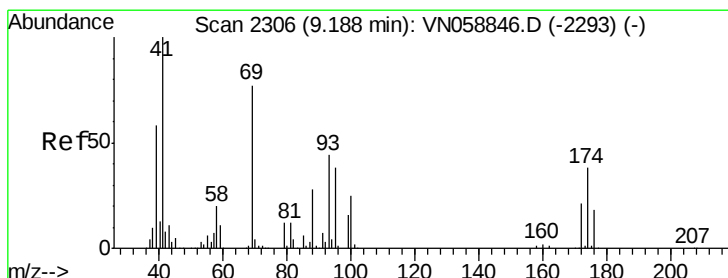
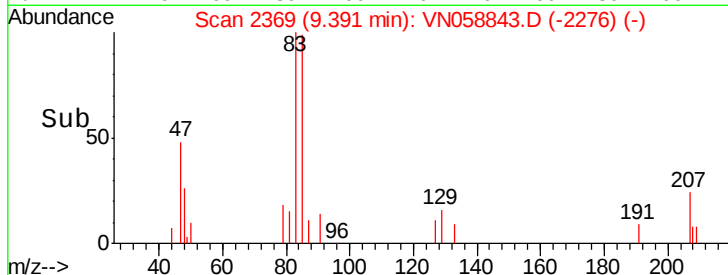
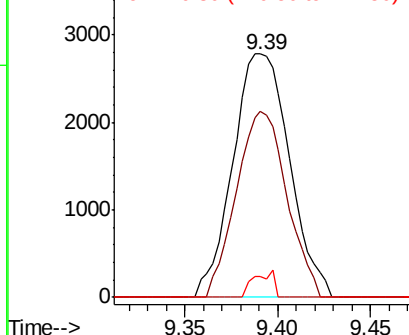
83 100

85 76.5 50.6 75.8#

127 8.8 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 0.809 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

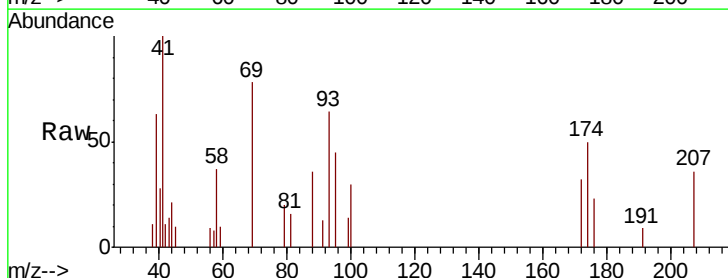
Tgt Ion: 41 Resp: 3839

Ion Ratio Lower Upper

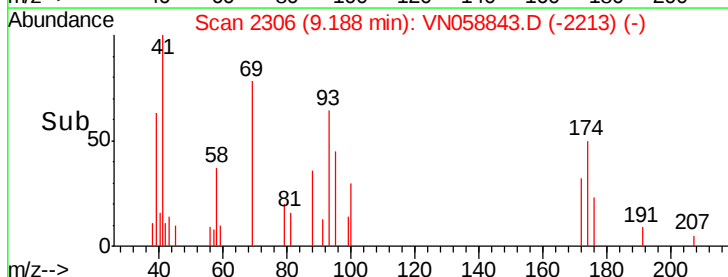
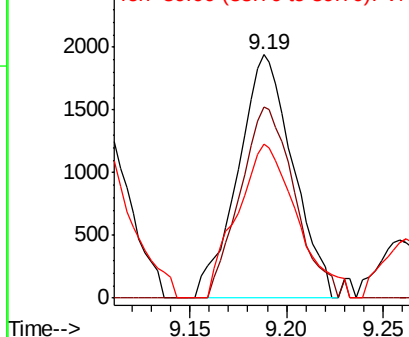
41 100

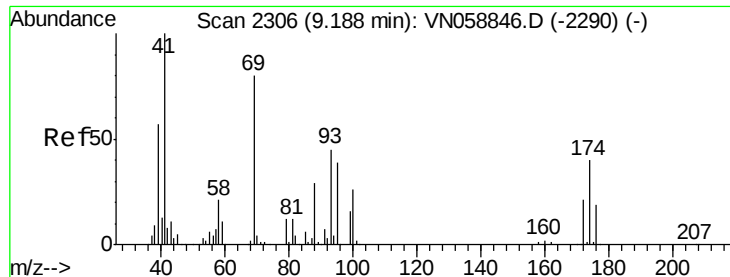
69 78.4 63.8 95.6

39 69.1 47.8 71.8



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

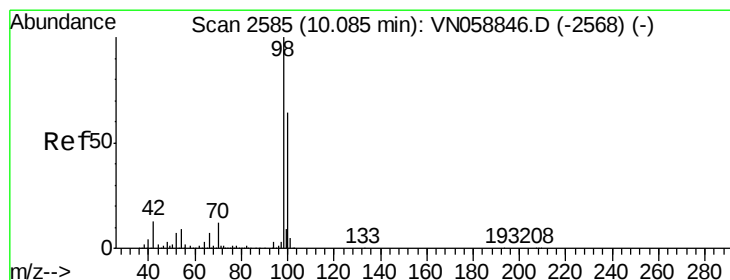
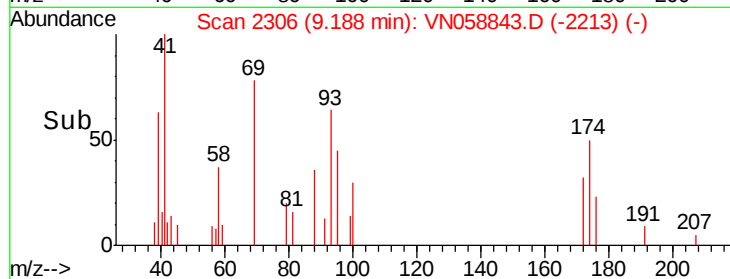
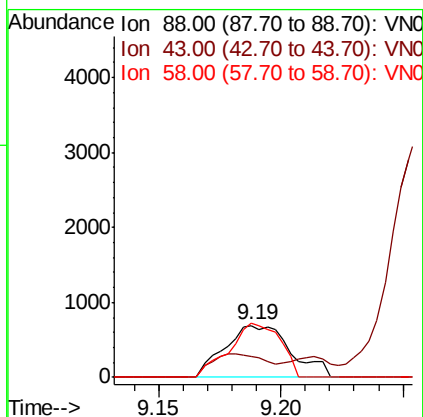
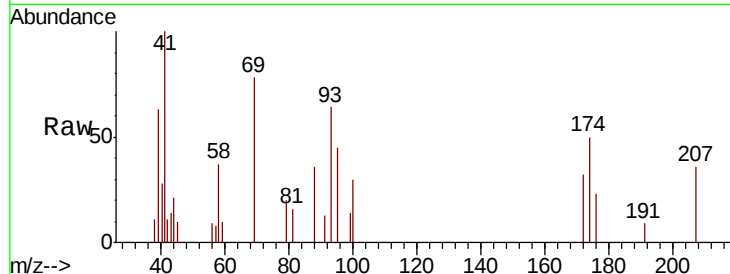




#49
1,4-Dioxane
Concen: 17.478 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

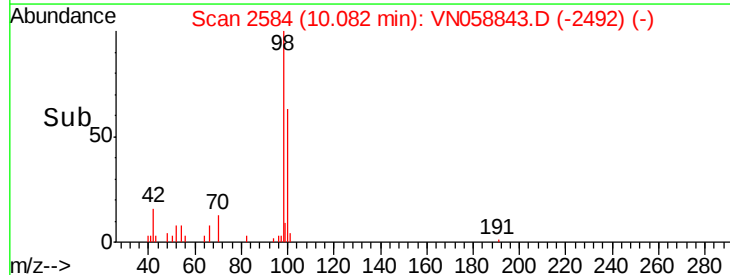
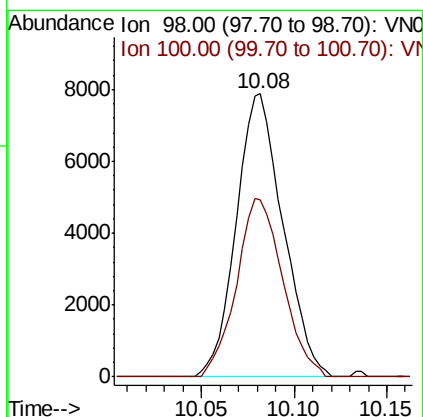
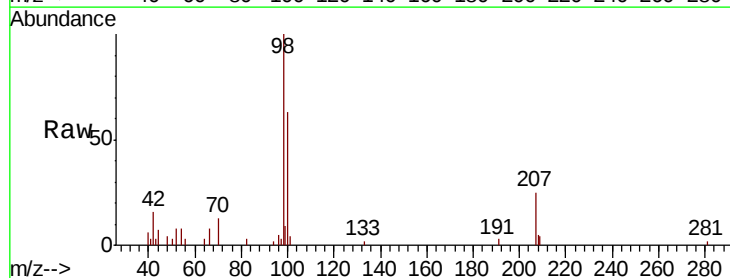
Instrument :
MSVOA_N
ClientSampleId :

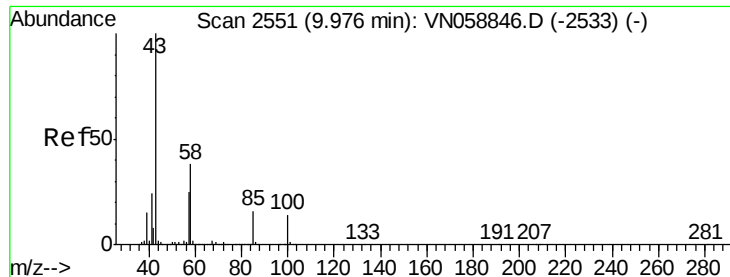
Tot Ion: 88 Resp: 1290
Ion Ratio Lower Upper
88 100
43 37.6 29.1 43.7
58 81.2 59.4 89.0



#50
Toluene-d8
Concen: 0.937 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Tgt Ion: 98 Resp: 13792
Ion Ratio Lower Upper
98 100
100 62.2 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 4.195 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

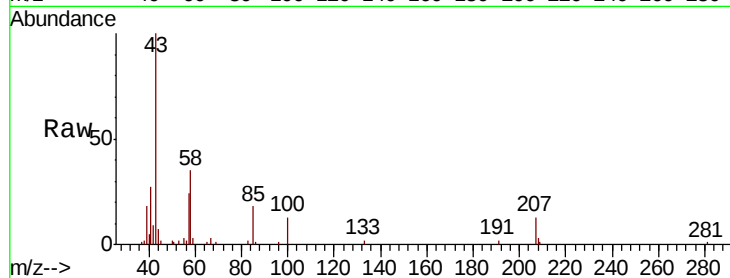
ClientSampled :

Tot Ion: 43 Resp: 24749

Ion Ratio Lower Upper

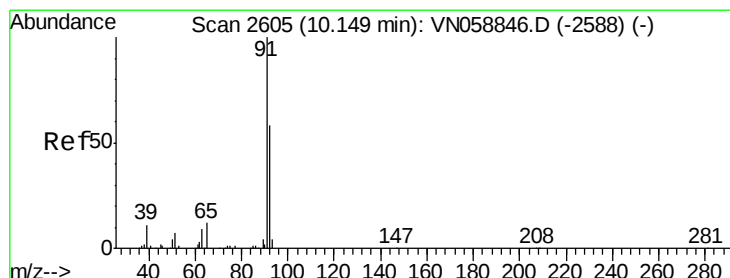
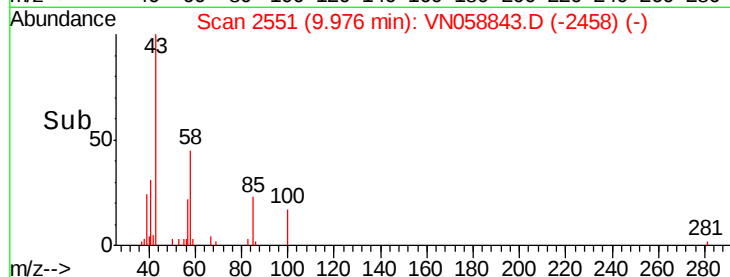
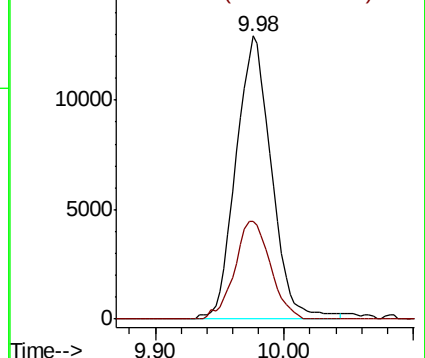
43 100

58 34.7 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)



#52

Toluene

Concen: 0.807 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058843.D

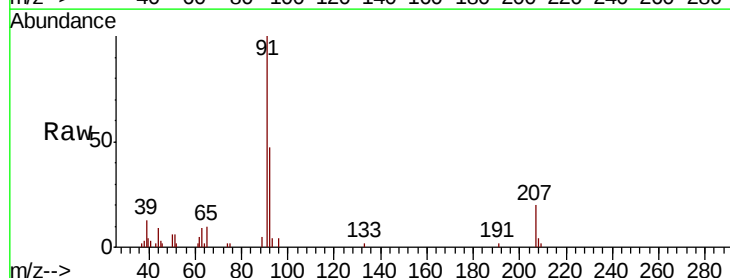
Acq: 18 Oct 2019 8:53

Tgt Ion: 92 Resp: 8558

Ion Ratio Lower Upper

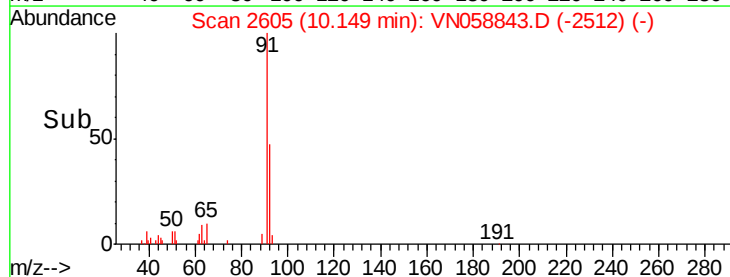
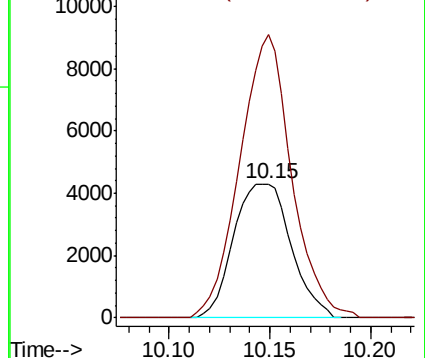
92 100

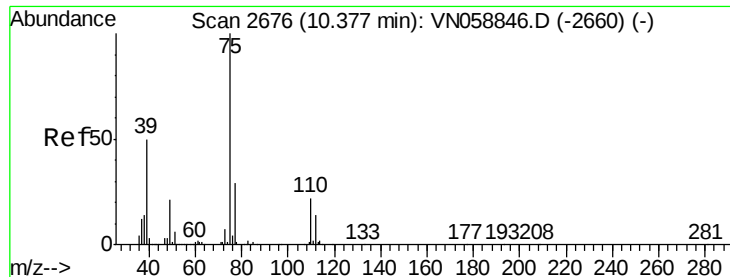
91 190.7 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN058846.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058846.D (-2588) (-)





#53

t-1,3-Dichloropropene

Concen: 0.874 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

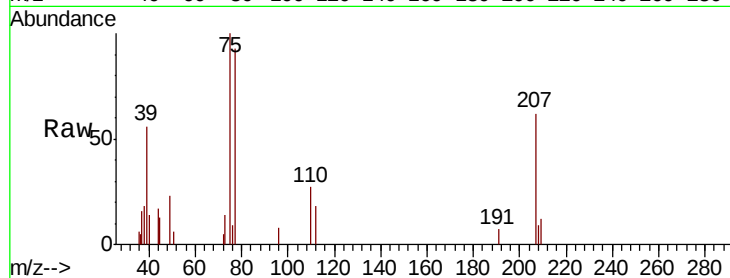
ClientSampleId :

Tot Ion: 75 Resp: 6016

Ion Ratio Lower Upper

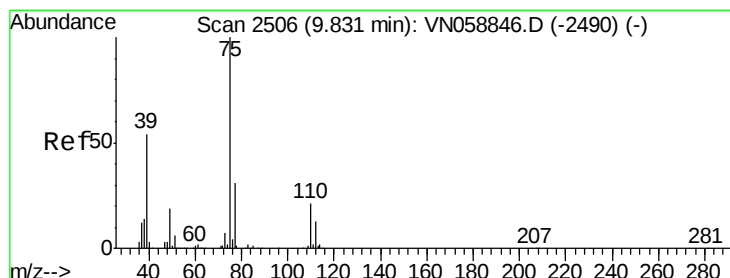
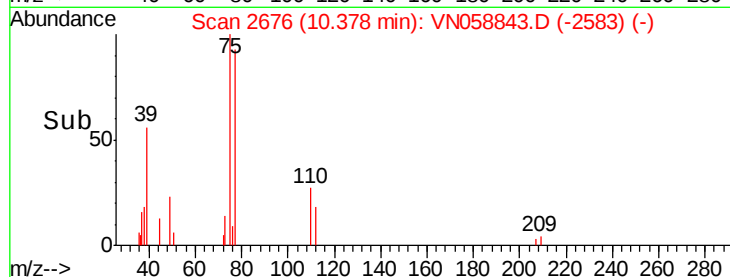
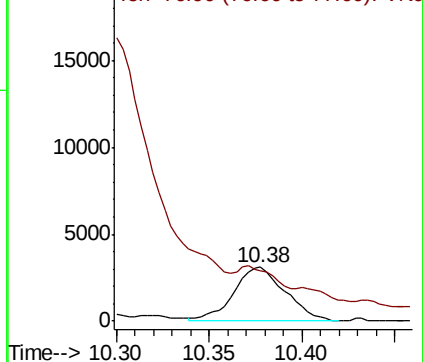
75 100

77 52.6 25.7 38.5#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 0.875 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

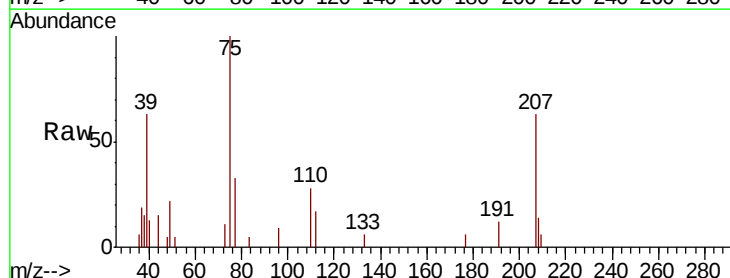
Tgt Ion: 75 Resp: 6408

Ion Ratio Lower Upper

75 100

77 33.4 24.7 37.1

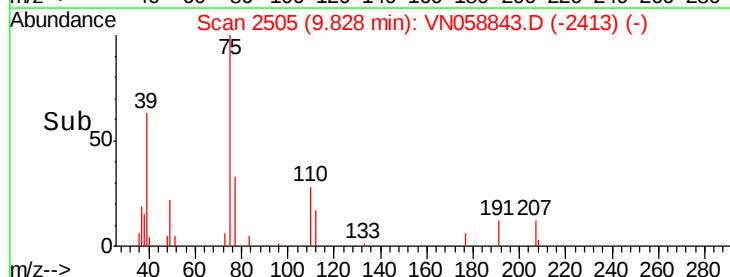
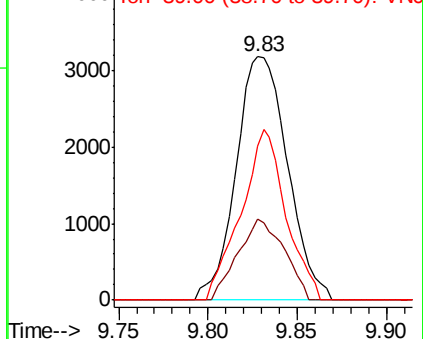
39 63.4 43.5 65.3

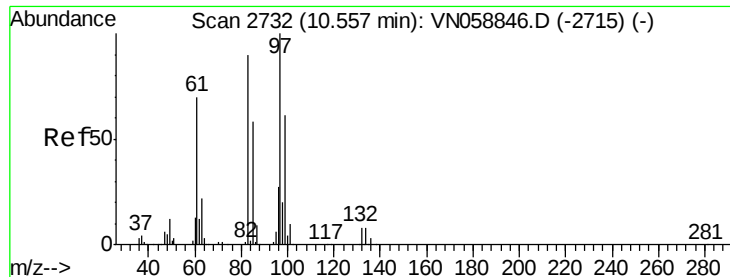


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO

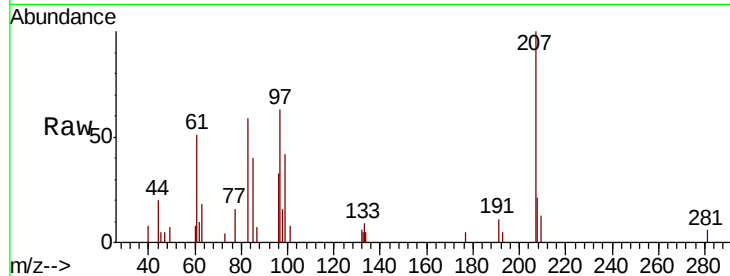




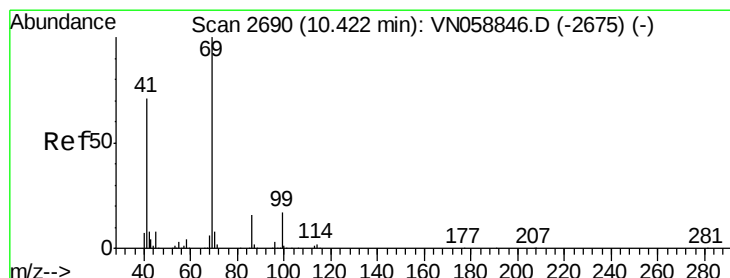
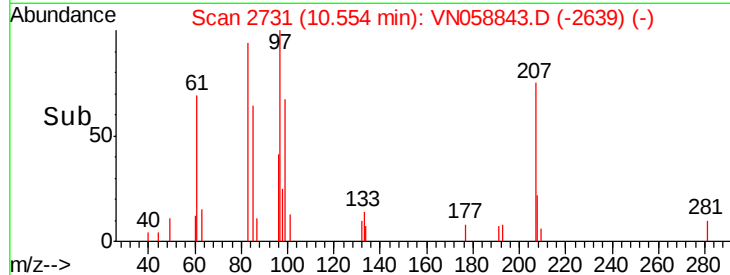
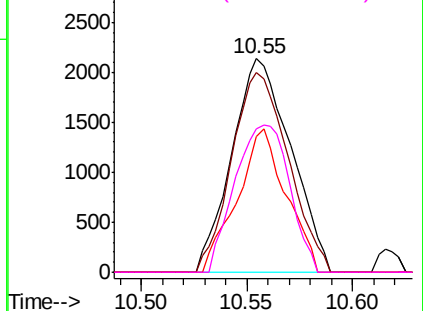
#55
 1,1,2-Trichloroethane
 Concen: 0.954 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 97 Resp: 4145
 Ion Ratio Lower Upper
 97 100
 83 93.7 72.2 108.4
 85 63.6 46.2 69.2
 99 66.9 48.7 73.1

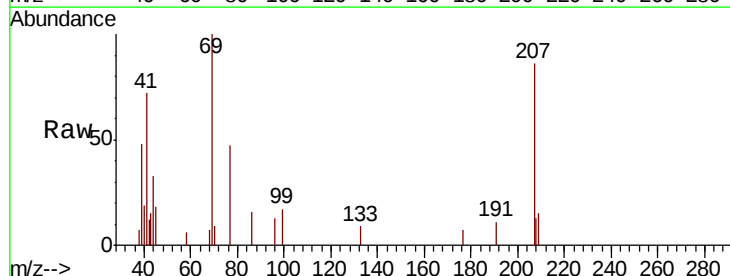


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

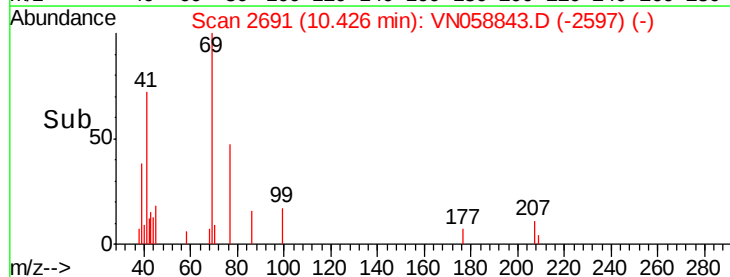
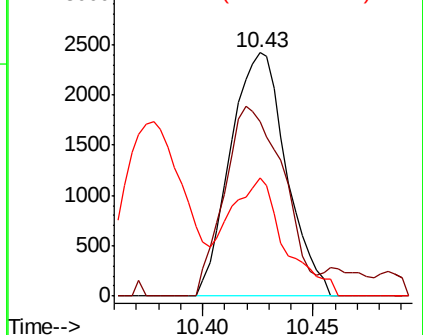


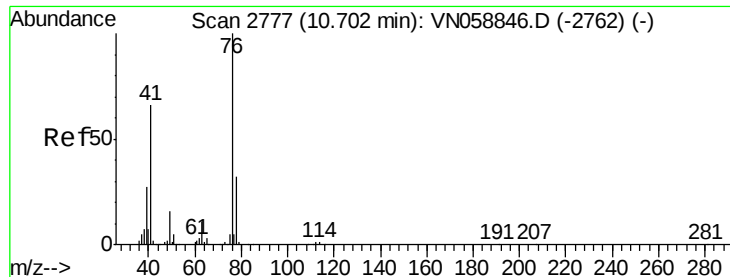
#56
 Ethyl methacrylate
 Concen: 0.668 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Tgt Ion: 69 Resp: 4242
 Ion Ratio Lower Upper
 69 100
 41 82.7 57.2 85.8
 39 48.8 31.0 46.4#



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





#57

1,3-Dichloropropane

Concen: 0.943 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

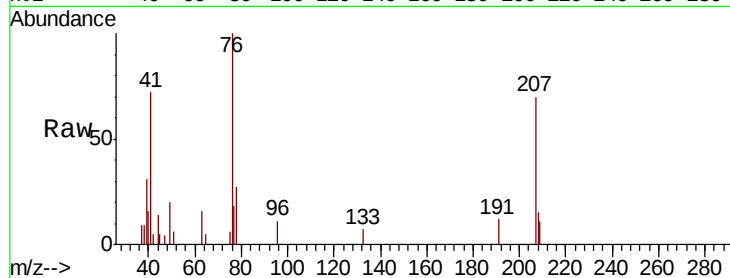
ClientSampleId :

Tot Ion: 76 Resp: 6996

Ion Ratio Lower Upper

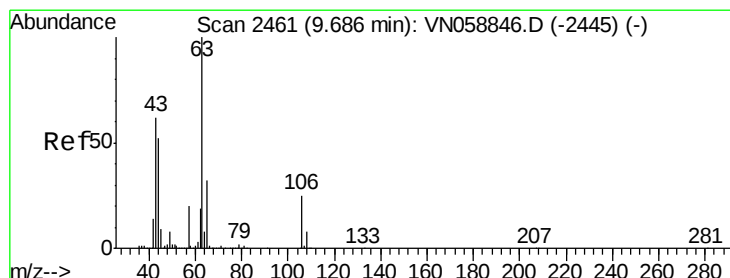
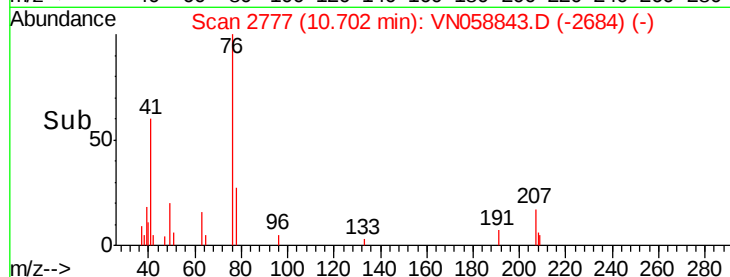
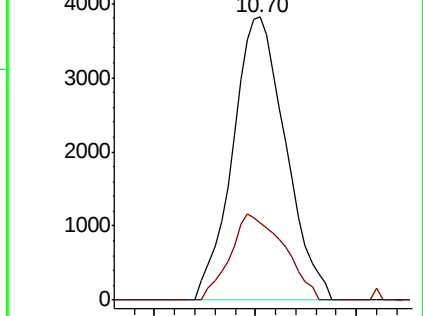
76 100

78 30.9 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 3.292 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058843.D

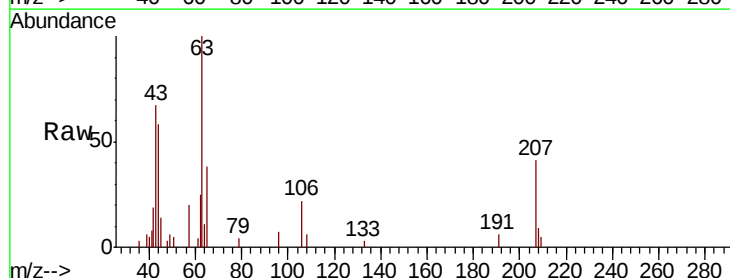
Acq: 18 Oct 2019 8:53

Tgt Ion: 63 Resp: 9880

Ion Ratio Lower Upper

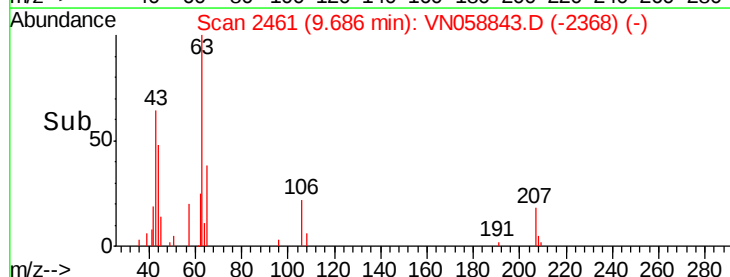
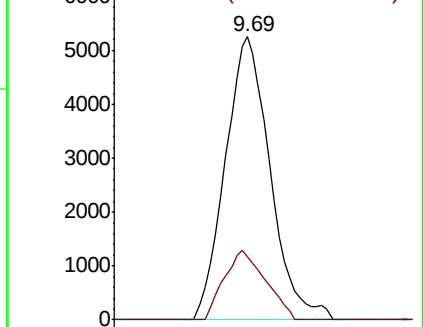
63 100

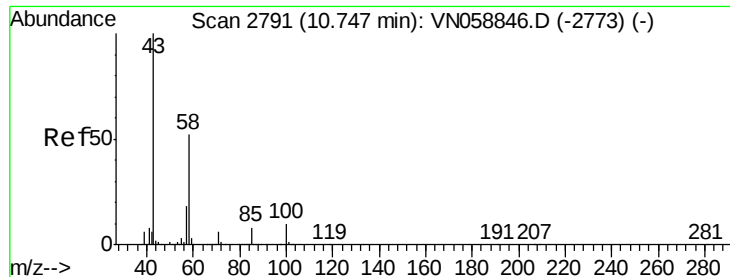
106 22.7 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

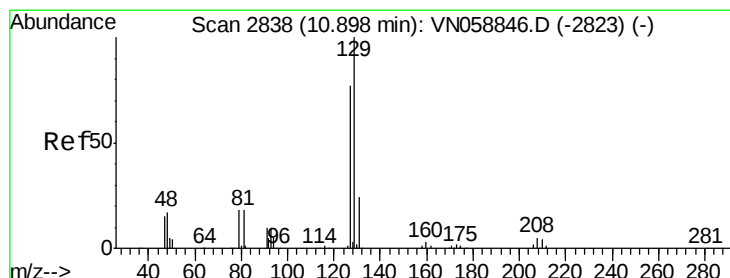
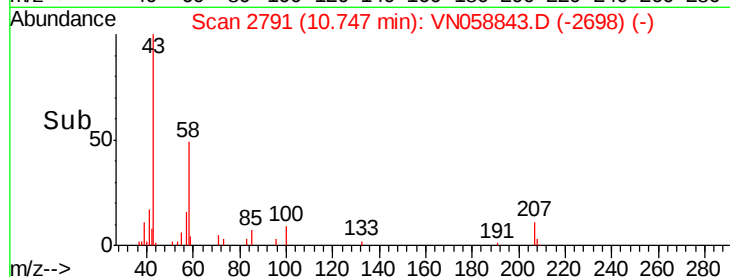
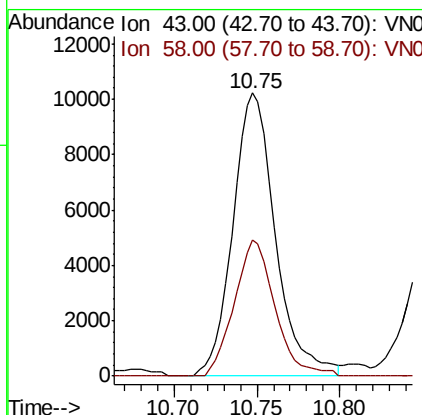
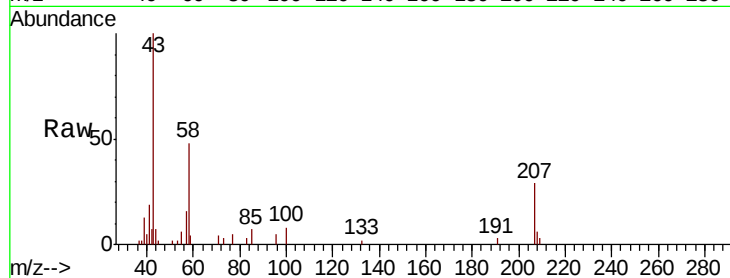




#59
2-Hexanone
Concen: 3.999 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

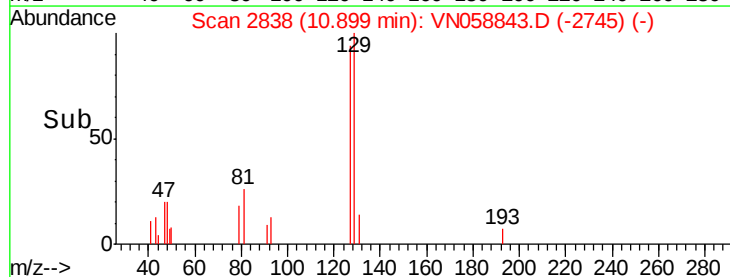
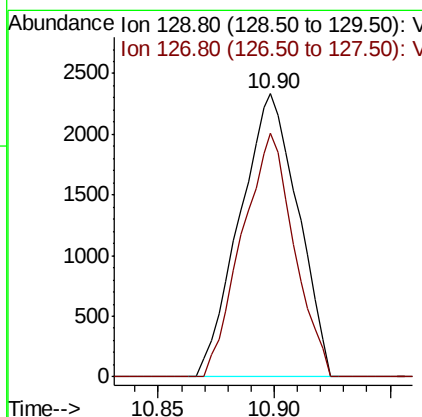
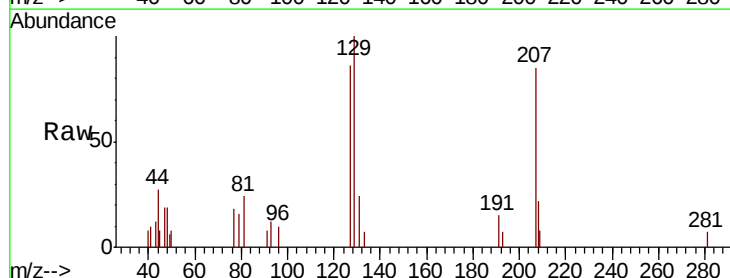
Instrument :
MSVOA_N
ClientSampled :

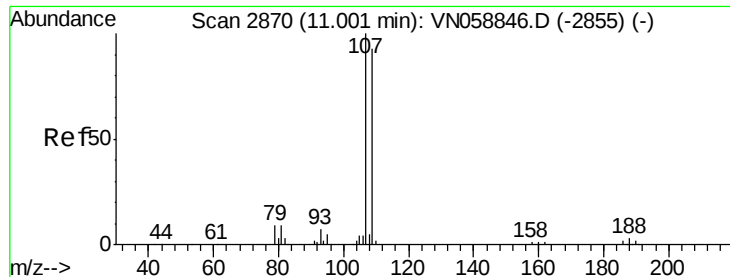
Tot Ion: 43 Resp: 18292
Ion Ratio Lower Upper
43 100
58 45.8 25.9 77.7



#60
Dibromochloromethane
Concen: 0.910 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Tgt Ion: 129 Resp: 4080
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.3





#61

1,2-Dibromoethane

Concen: 0.906 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

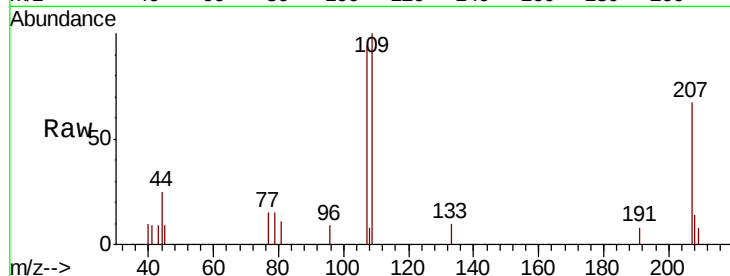
ClientSampled :

Tot Ion: 107 Resp: 3947

Ion Ratio Lower Upper

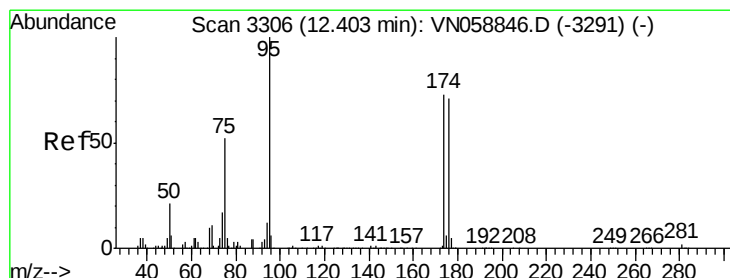
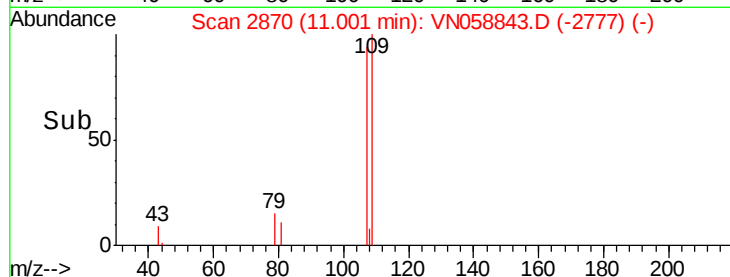
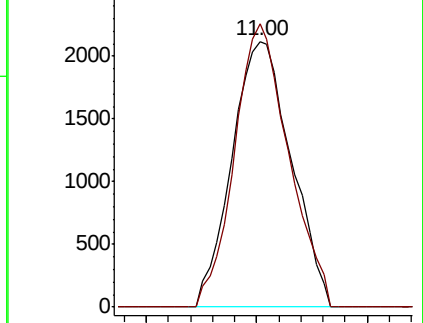
107 100

109 97.6 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 1.144 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

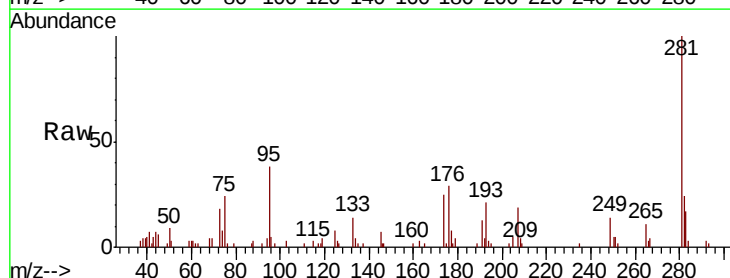
Tgt Ion: 95 Resp: 6339

Ion Ratio Lower Upper

95 100

174 71.8 0.0 147.6

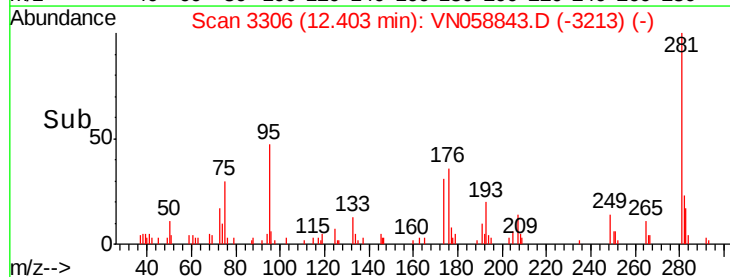
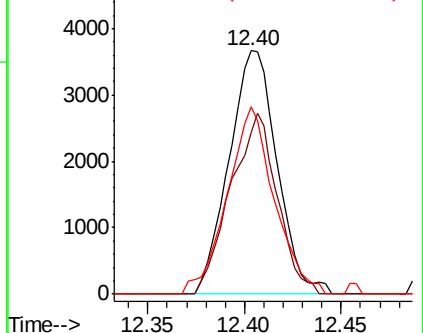
176 75.2 0.0 143.2

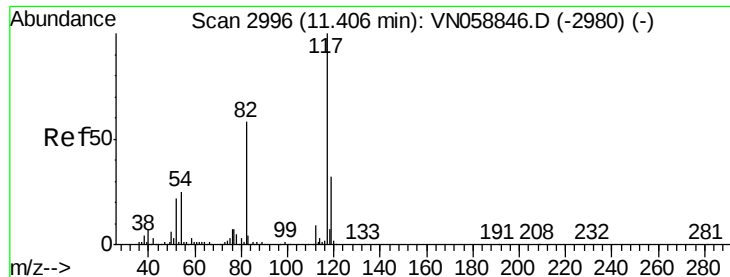


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

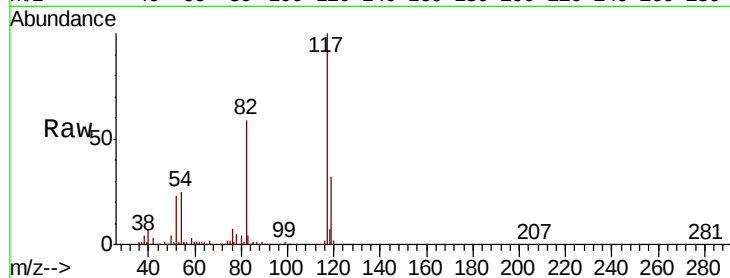
Tot Ion:117 Resp: 537452

Ion Ratio Lower Upper

117 100

82 59.4 46.6 69.8

119 31.8 25.6 38.4

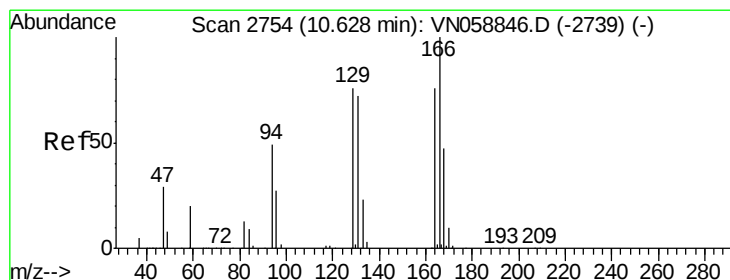
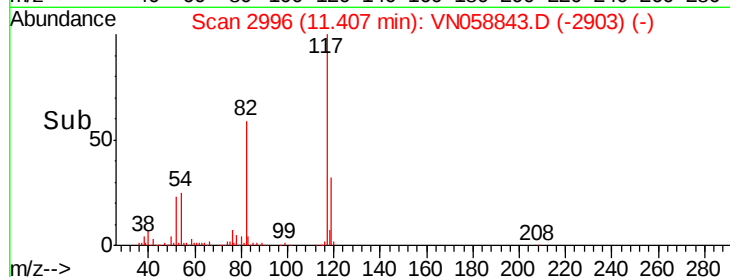
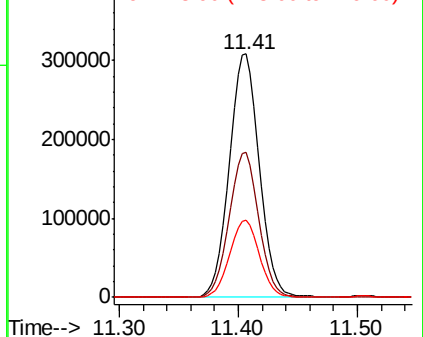


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 1.055 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Tgt Ion:164 Resp: 3992

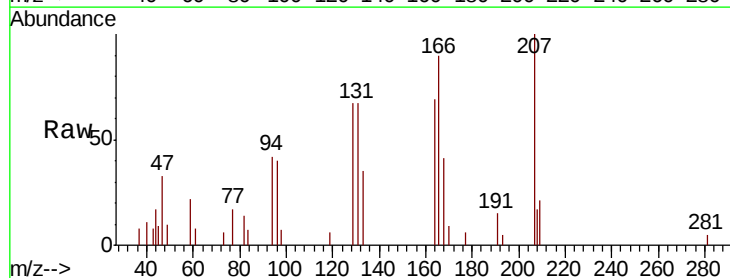
Ion Ratio Lower Upper

164 100

166 130.6 104.8 157.2

129 97.3 79.3 118.9

131 96.8 75.8 113.6



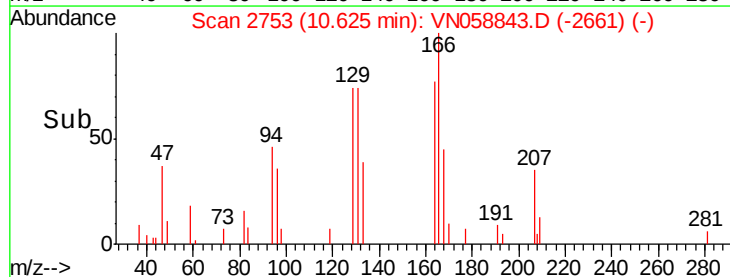
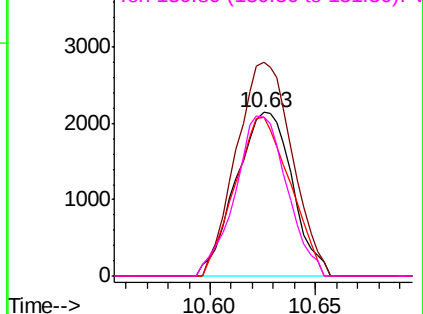
Abundance

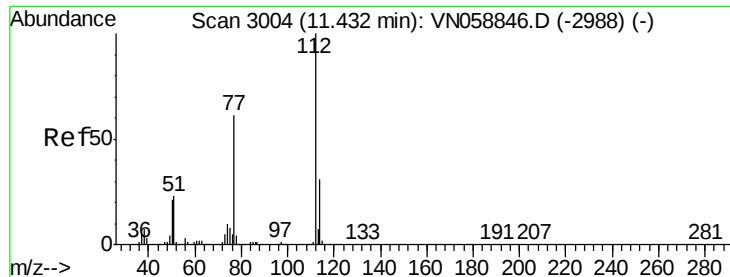
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

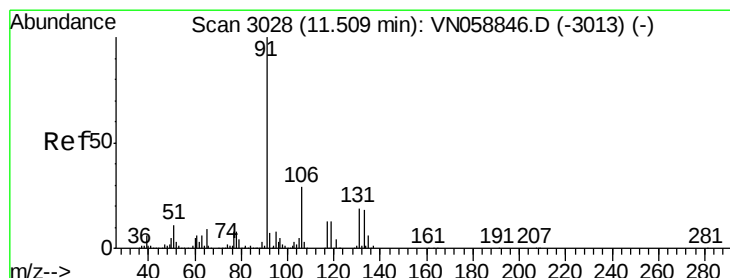
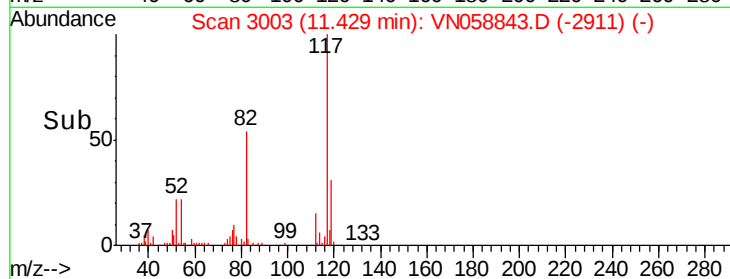
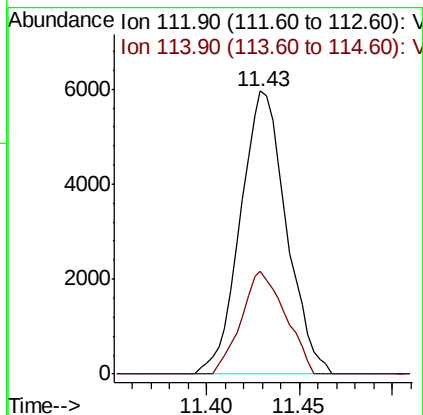
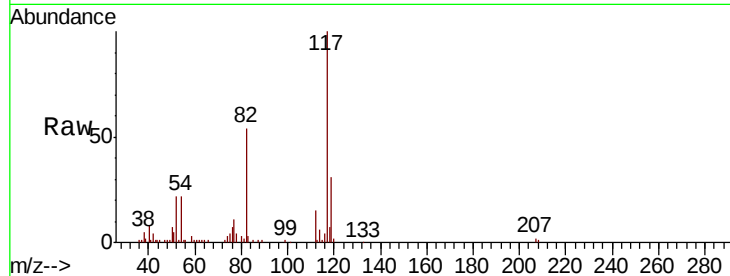




#65
Chlorobenzene
Concen: 0.939 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

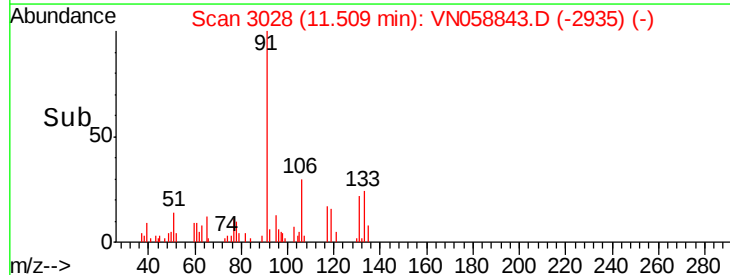
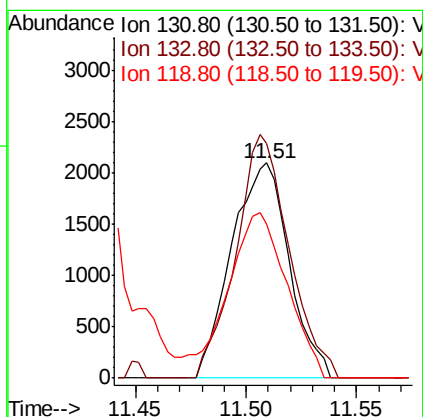
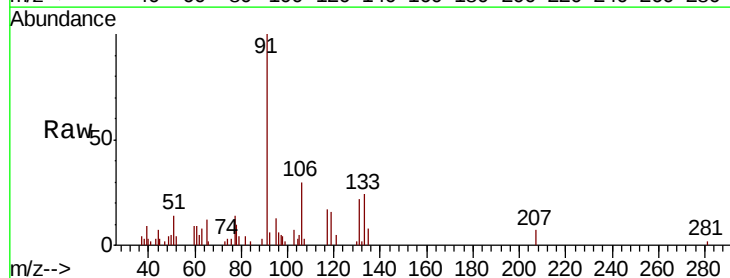
Instrument :
MSVOA_N
ClientSampleId :

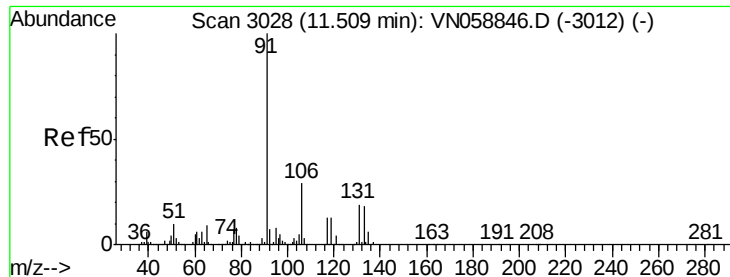
Tot Ion:112 Resp: 10306
Ion Ratio Lower Upper
112 100
114 36.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 0.935 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Tgt Ion:131 Resp: 3798
Ion Ratio Lower Upper
131 100
133 104.9 48.4 145.2
119 0.0 33.6 100.8#





#67

Ethyl Benzene

Concen: 0.830 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

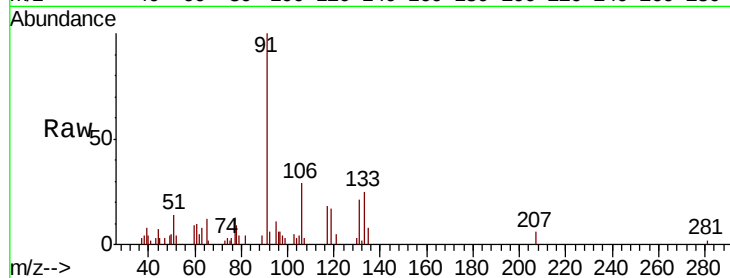
ClientSampled :

Tot Ion: 91 Resp: 16245

Ion Ratio Lower Upper

91 100

106 29.3 23.4 35.0

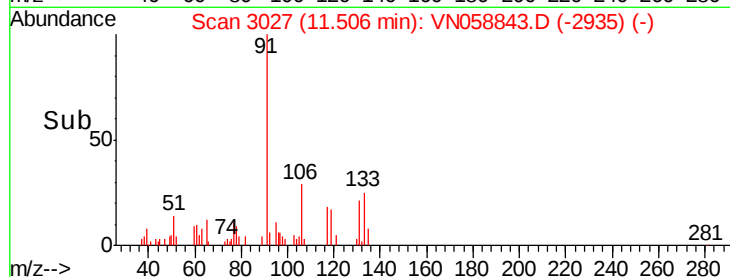


Abundance Ion 91.00 (90.70 to 91.70): VN058843.D (-2935) (-)

Ion 106.00 (105.70 to 106.70): VN058843.D (-2935) (-)

11.51

Time-->



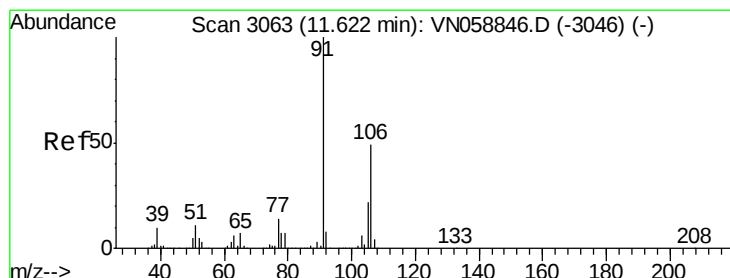
Abundance

Ion 91.00 (90.70 to 91.70): VN058843.D (-2935) (-)

Ion 106.00 (105.70 to 106.70): VN058843.D (-2935) (-)

11.51

Time-->



#68

m/p-Xylenes

Concen: 1.534 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058843.D

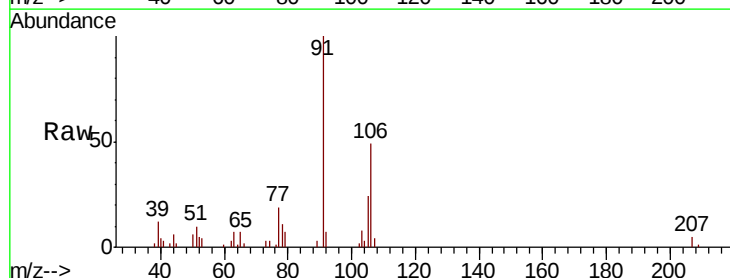
Acq: 18 Oct 2019 8:53

Tgt Ion: 106 Resp: 11256

Ion Ratio Lower Upper

106 100

91 209.7 166.6 249.8

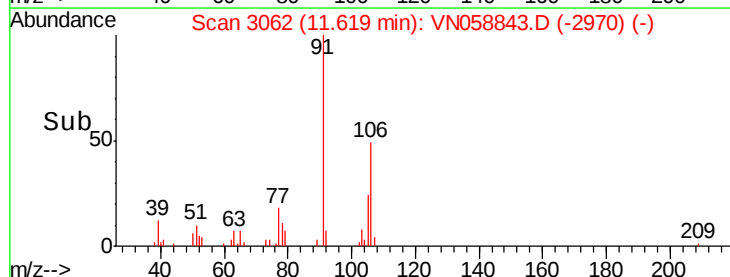


Abundance Ion 106.00 (105.70 to 106.70): VN058843.D (-2970) (-)

Ion 91.00 (90.70 to 91.70): VN058843.D (-2970) (-)

11.62

Time-->



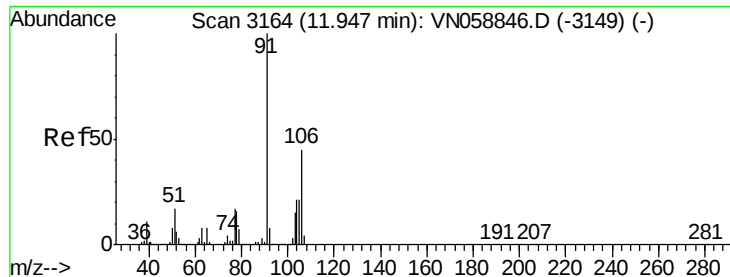
Abundance

Ion 106.00 (105.70 to 106.70): VN058843.D (-2970) (-)

Ion 91.00 (90.70 to 91.70): VN058843.D (-2970) (-)

11.62

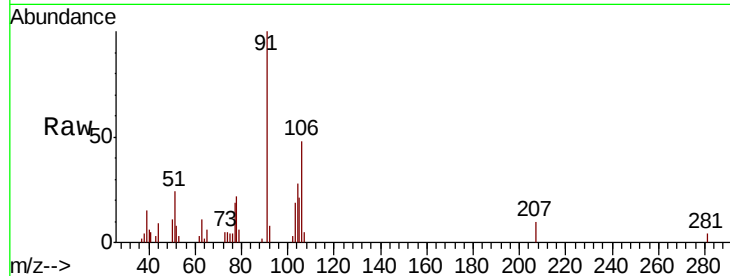
Time-->



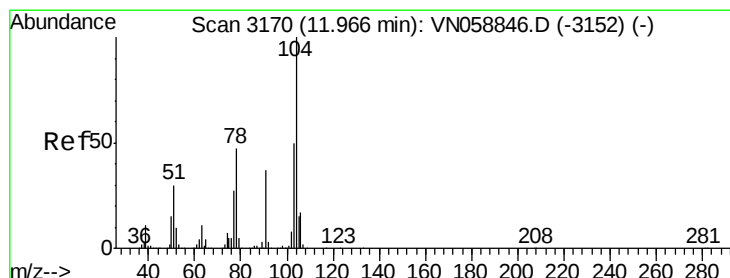
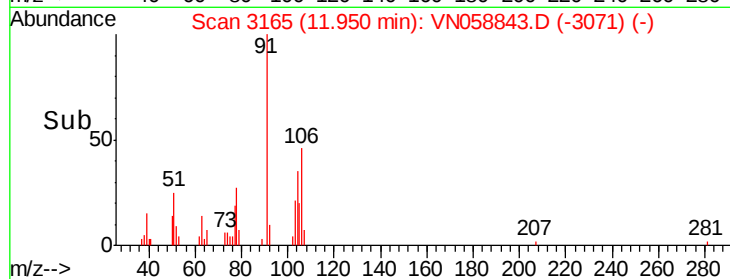
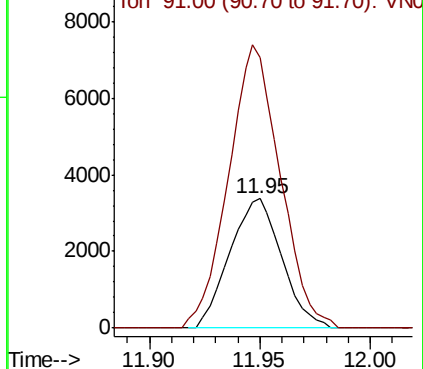
#69
o-Xylene
Concen: 0.777 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 5514
Ion Ratio Lower Upper
106 100
91 218.0 111.5 334.4

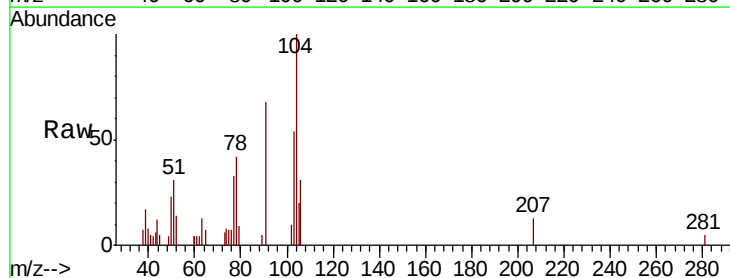


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

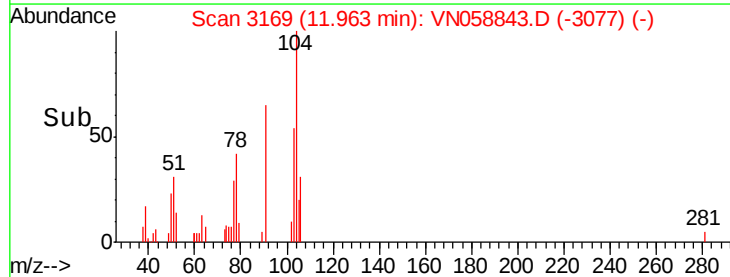
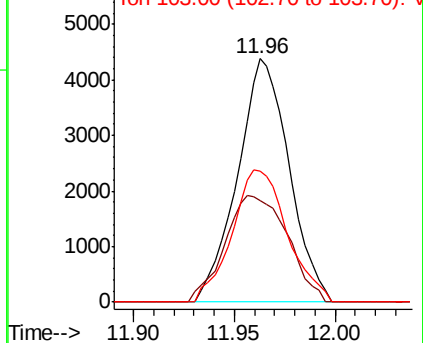


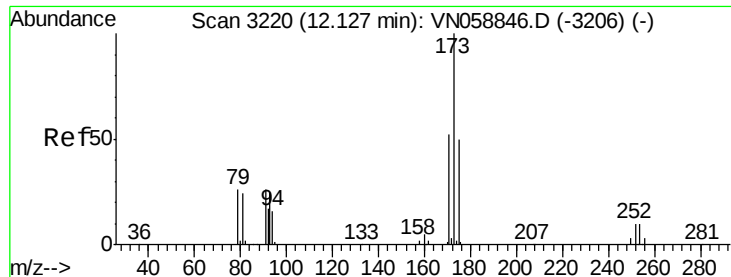
#70
Styrene
Concen: 0.673 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Tgt Ion:104 Resp: 7822
Ion Ratio Lower Upper
104 100
78 53.1 42.8 64.2
103 58.2 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.983 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

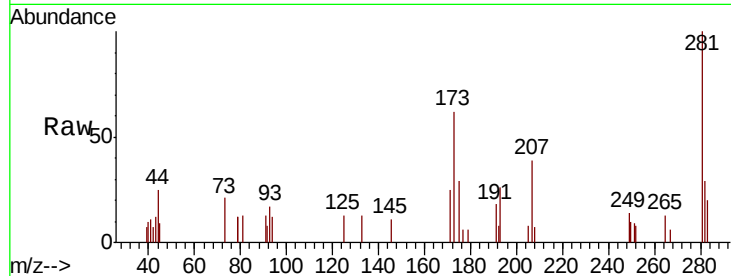
Tot Ion:173 Resp: 2947

Ion Ratio Lower Upper

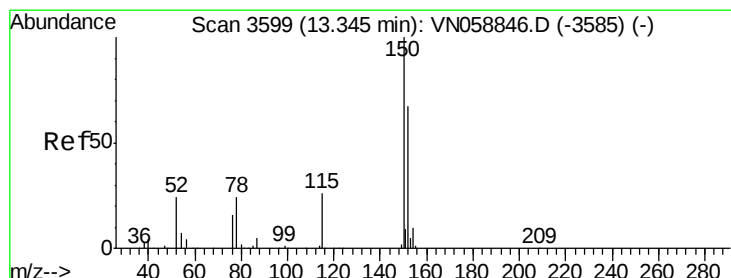
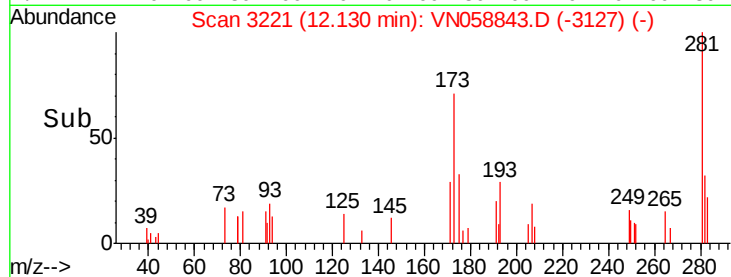
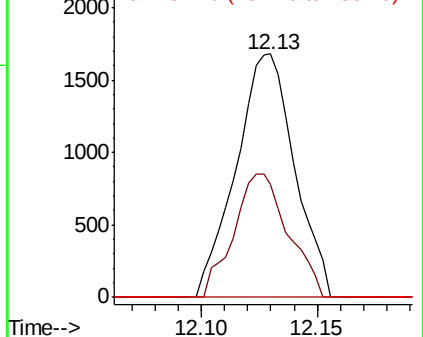
173 100

175 47.0 24.7 74.1

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

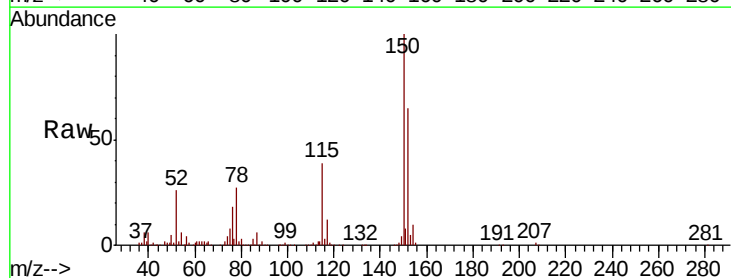
Tgt Ion:152 Resp: 221904

Ion Ratio Lower Upper

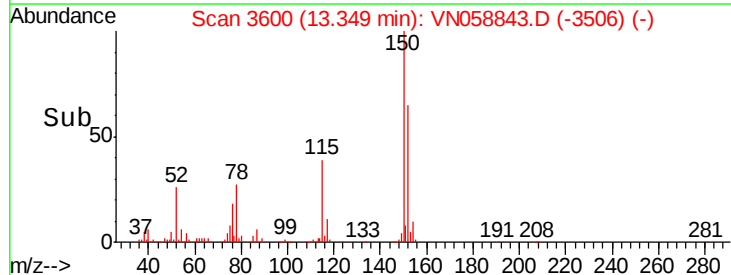
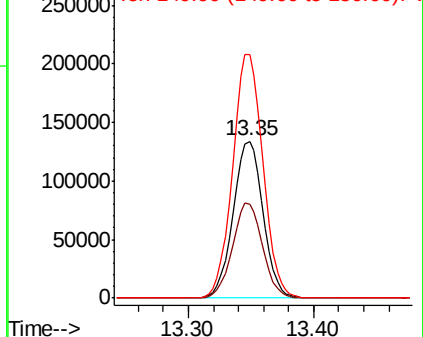
152 100

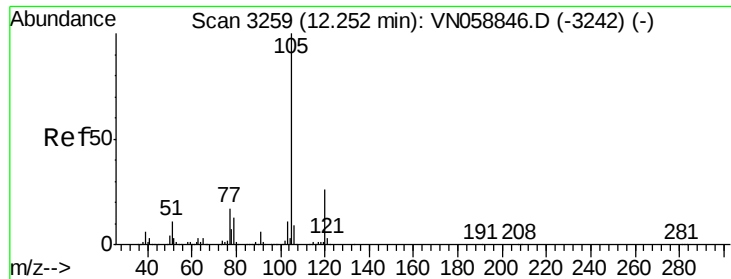
115 60.1 30.5 91.5

150 156.6 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.999 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

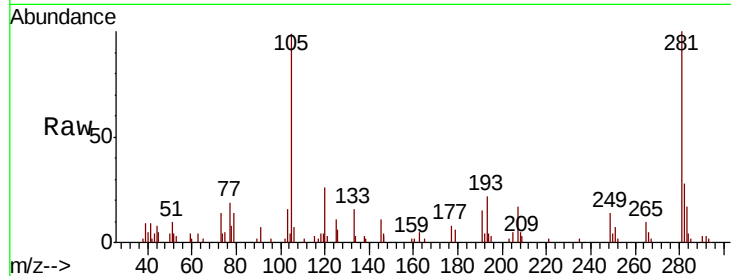
ClientSampleId :

Tot Ion: 105 Resp: 16167

Ion Ratio Lower Upper

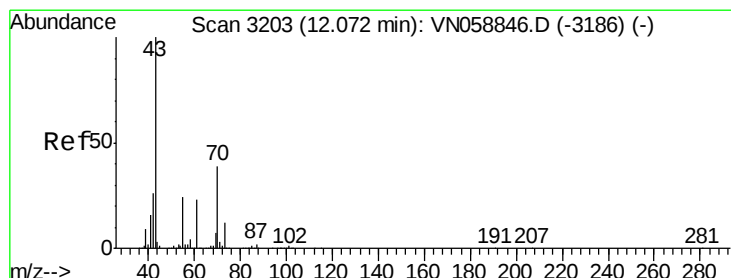
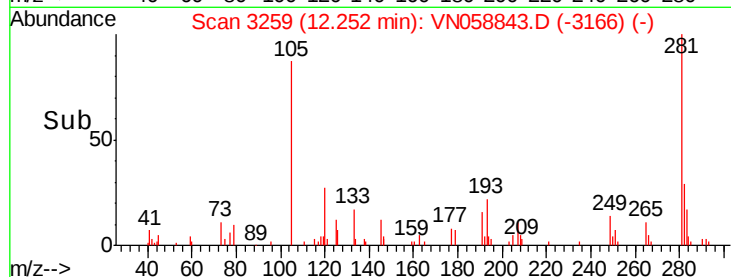
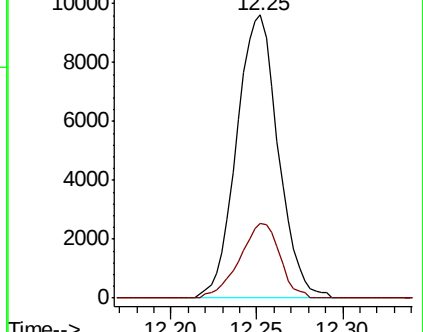
105 100

120 25.5 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.765 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Tgt Ion: 43 Resp: 5607

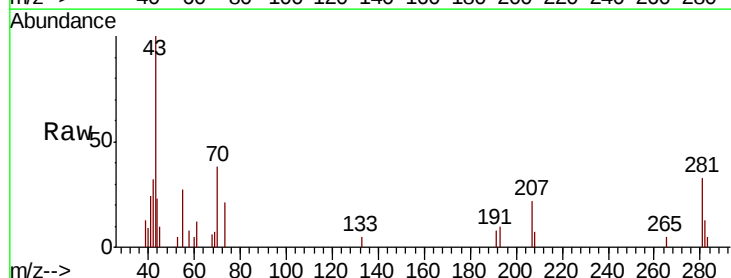
Ion Ratio Lower Upper

43 100

70 36.5 30.9 46.3

55 30.5 19.7 29.5#

61 15.4 18.2 27.4#

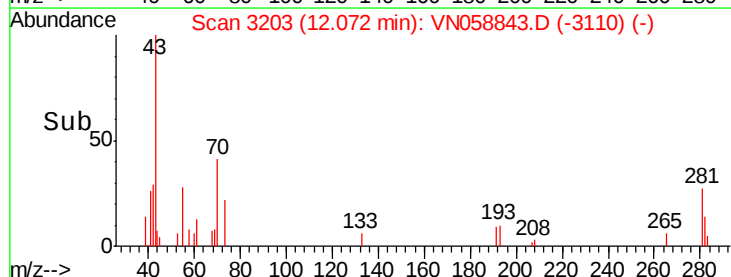
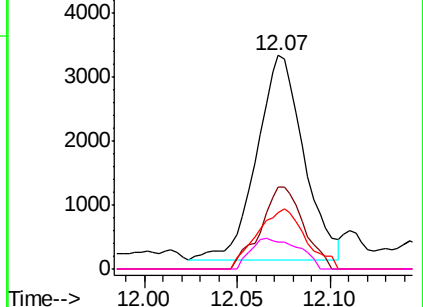


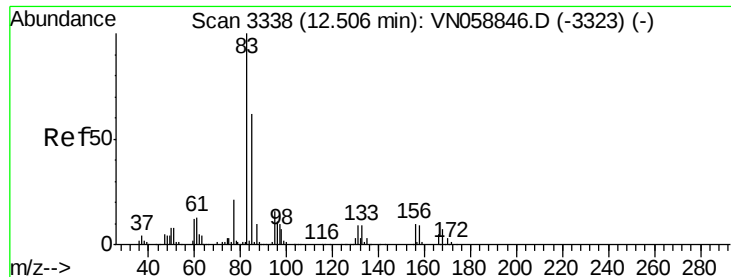
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 1.133 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

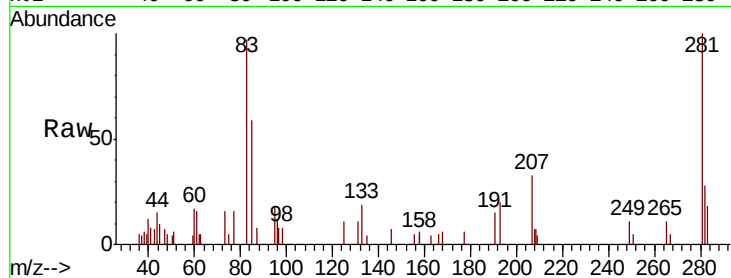
Tot Ion: 83 Resp: 6089

Ion Ratio Lower Upper

83 100

131 8.7 4.7 14.1

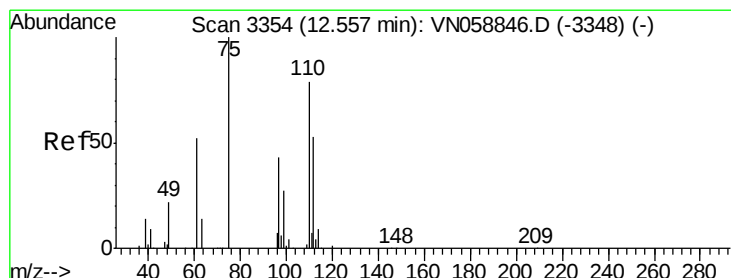
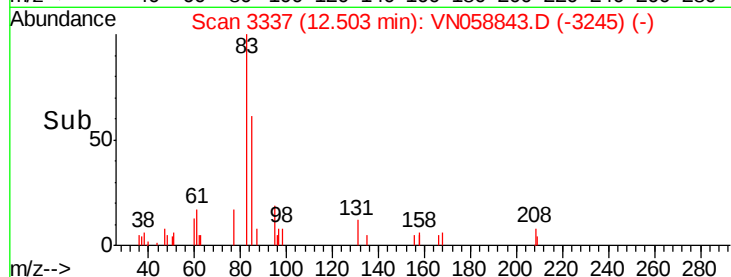
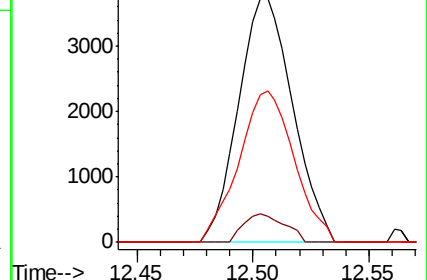
85 62.9 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 1.584 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.01 min

Lab File: VN058843.D

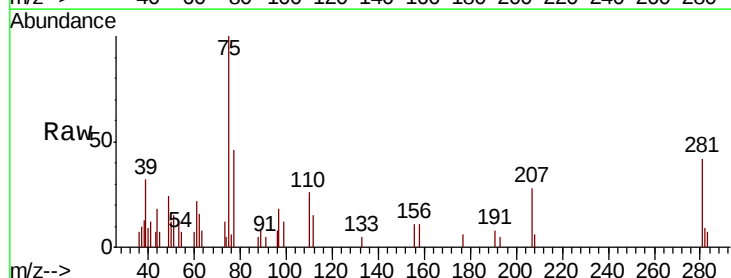
Acq: 18 Oct 2019 8:53

Tgt Ion: 75 Resp: 7910

Ion Ratio Lower Upper

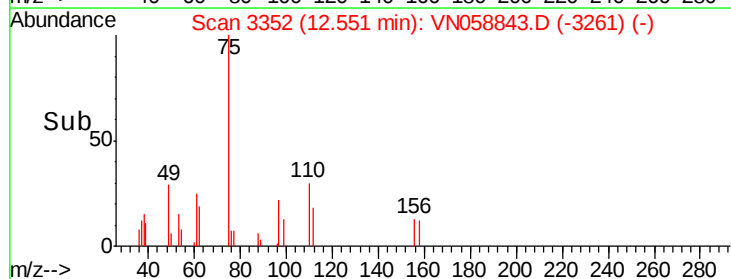
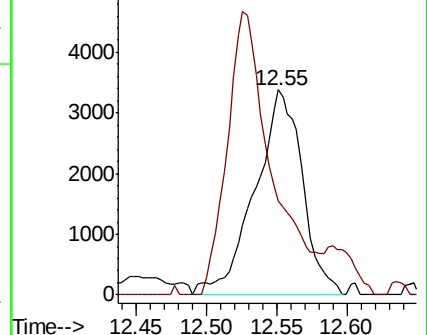
75 100

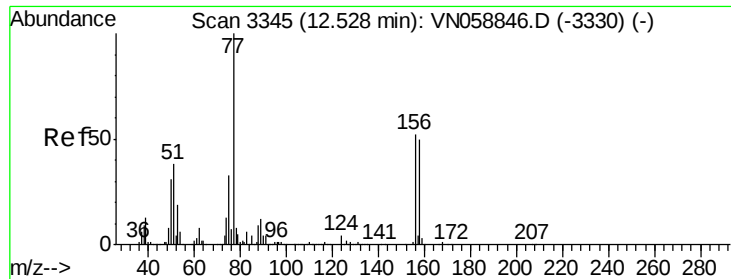
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 1.005 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

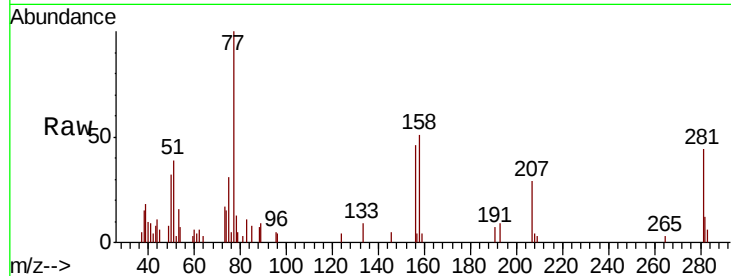
Tot Ion:156 Resp: 3965

Ion Ratio Lower Upper

156 100

77 258.8 118.0 354.0

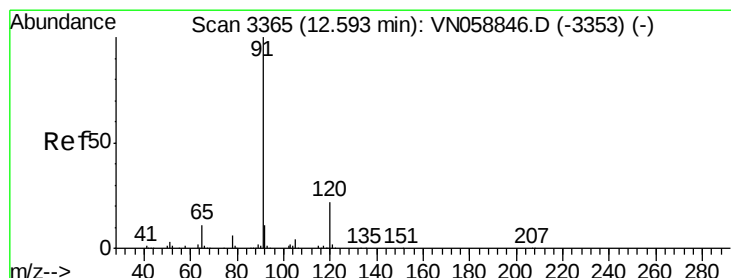
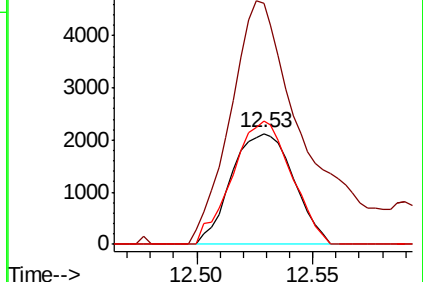
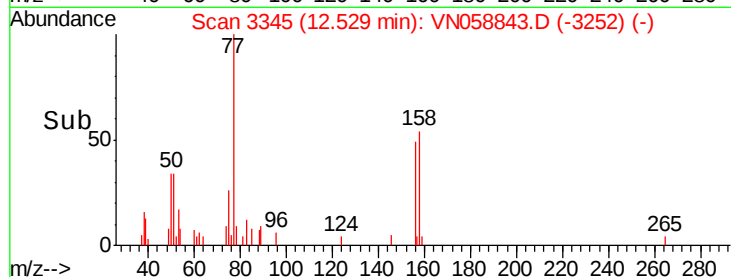
158 105.5 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.000 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058843.D

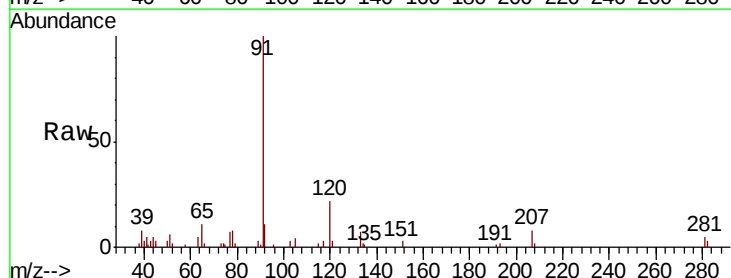
Acq: 18 Oct 2019 8:53

Tgt Ion: 91 Resp: 18881

Ion Ratio Lower Upper

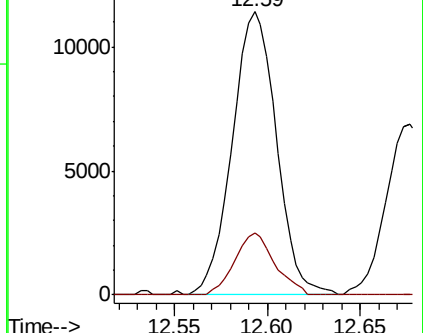
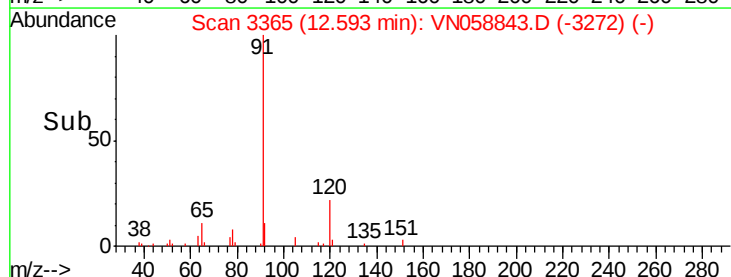
91 100

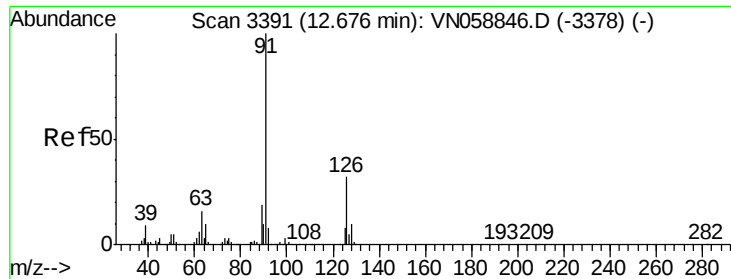
120 19.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

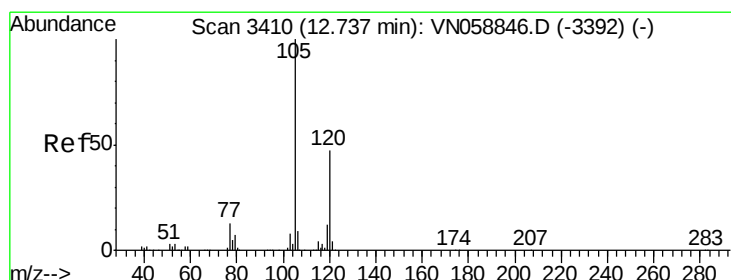
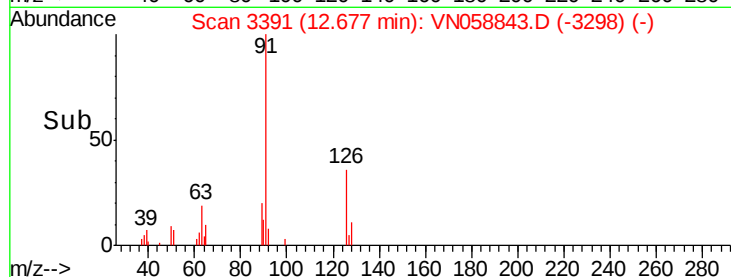
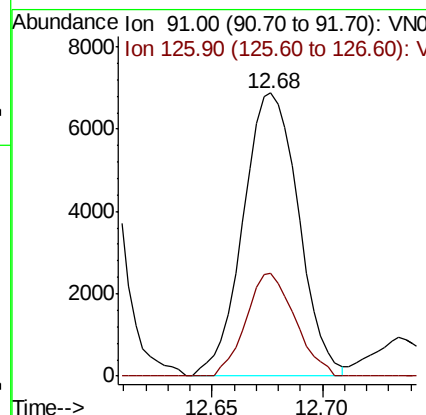
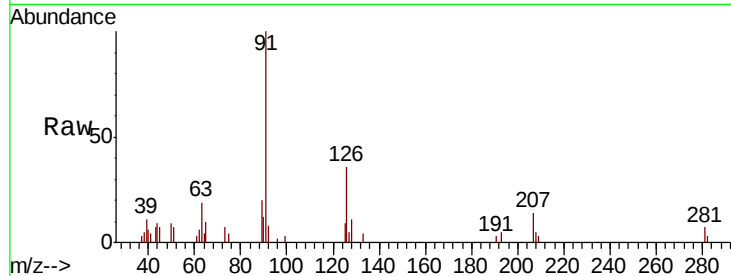




#79
 2-Chlorotoluene
 Concen: 1.023 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

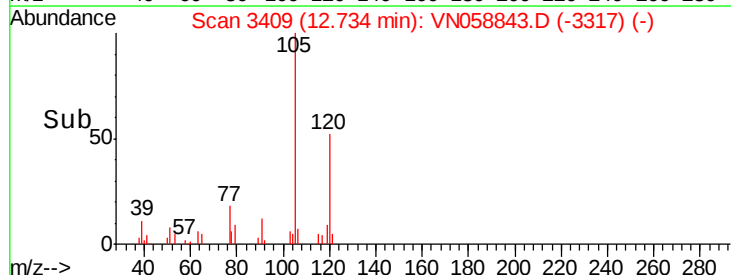
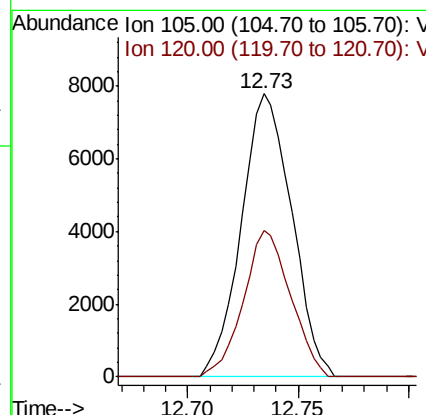
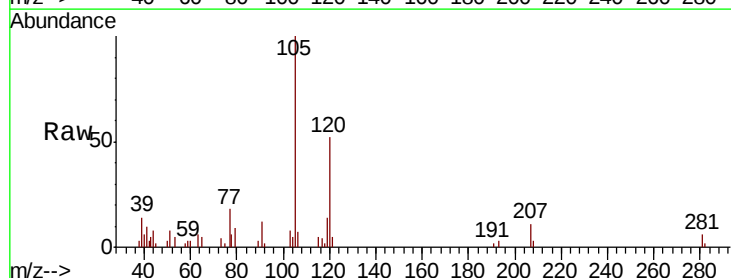
Instrument :
 MSVOA_N
 ClientSampleId :

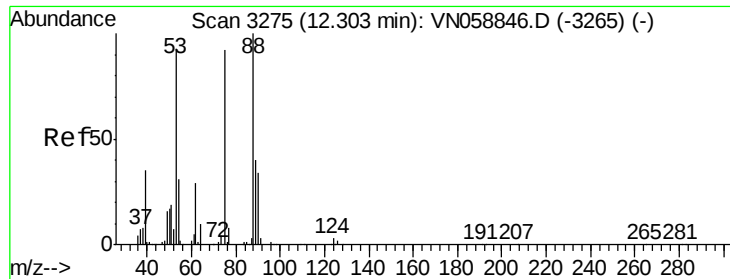
Tot Ion: 91 Resp: 11995
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.2 48.6



#80
 1,3,5-Trimethylbenzene
 Concen: 0.892 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Tgt Ion: 105 Resp: 12334
 Ion Ratio Lower Upper
 105 100
 120 48.4 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 1.157 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

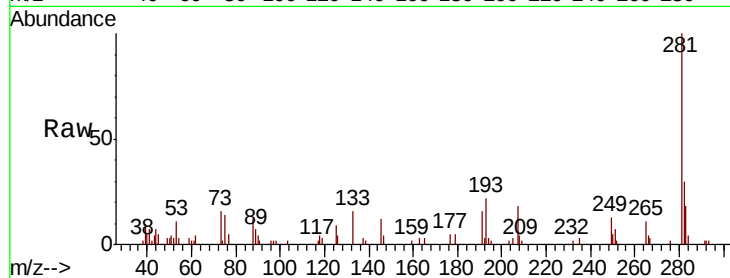
Tot Ion: 75 Resp: 2153

Ion Ratio Lower Upper

75 100

53 97.8 78.6 118.0

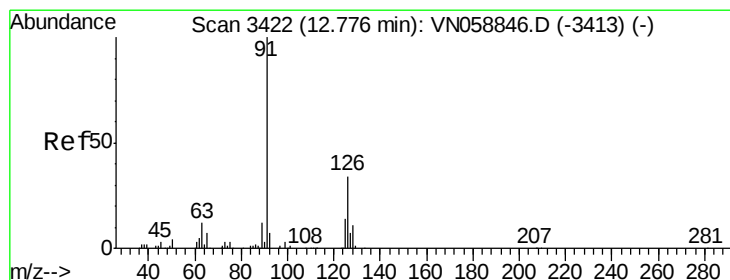
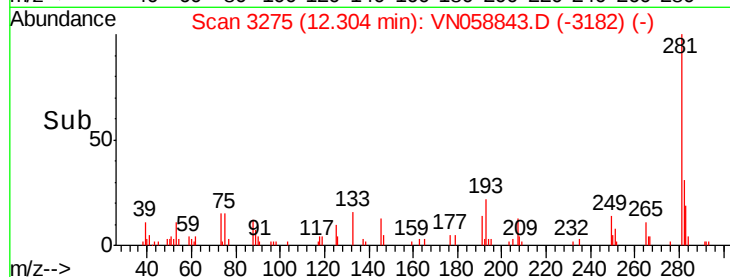
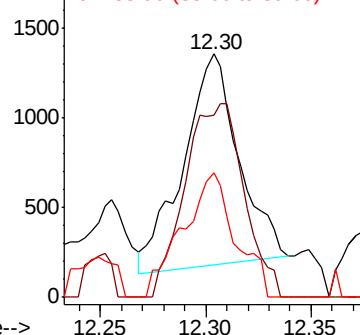
89 56.1 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.954 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058843.D

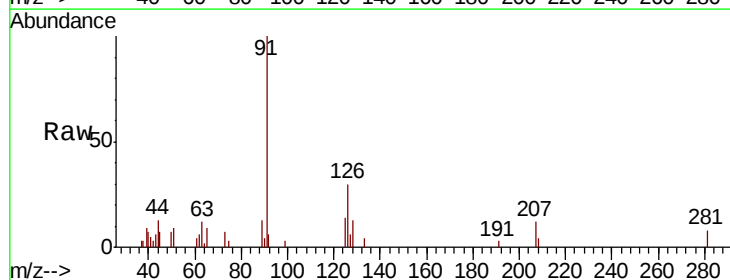
Acq: 18 Oct 2019 8:53

Tgt Ion: 91 Resp: 11468

Ion Ratio Lower Upper

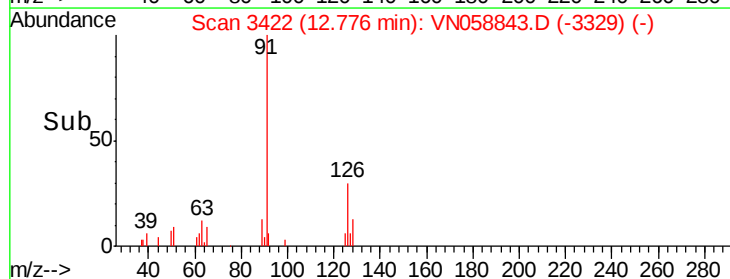
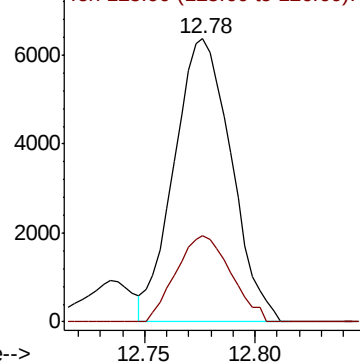
91 100

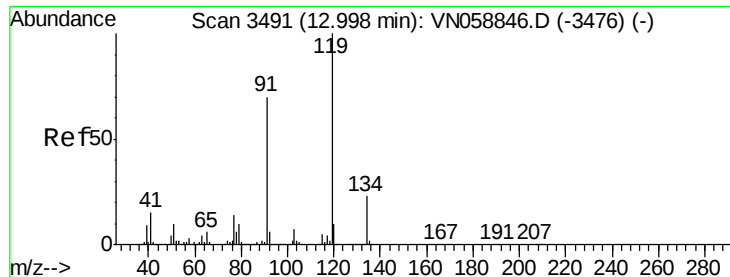
126 29.2 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

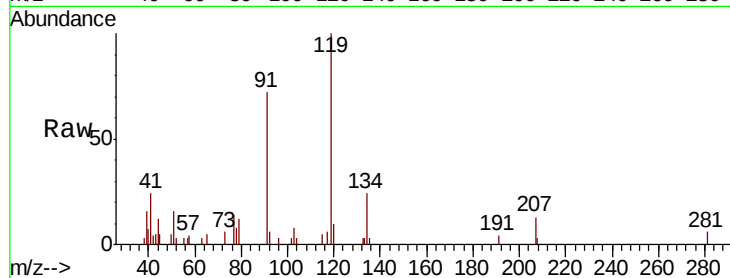




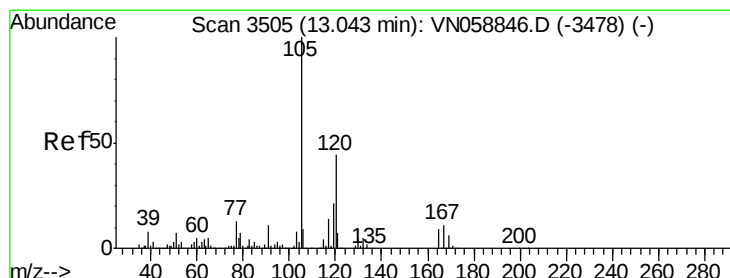
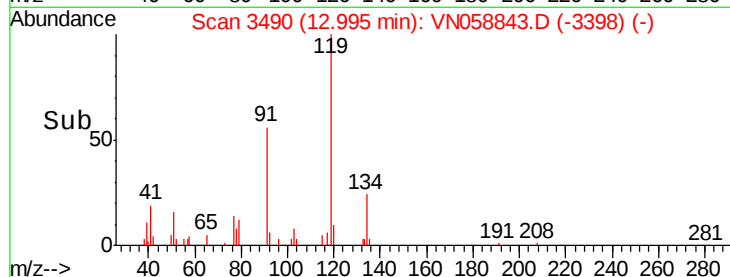
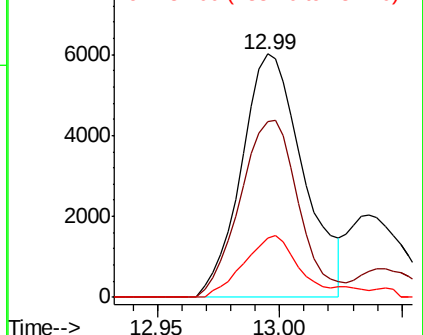
#83
 tert-Butylbenzene
 Concen: 0.895 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.1	102.3
134	22.1	11.6	34.8

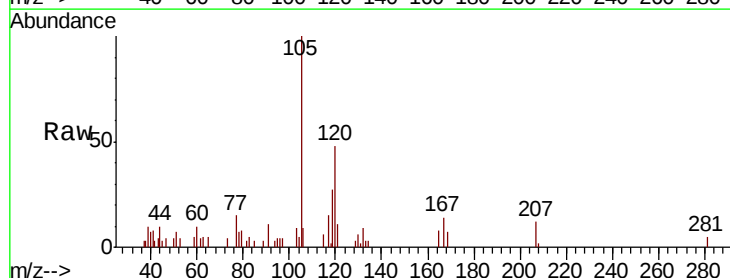


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

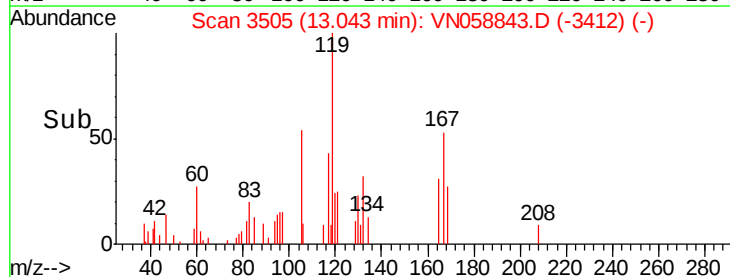
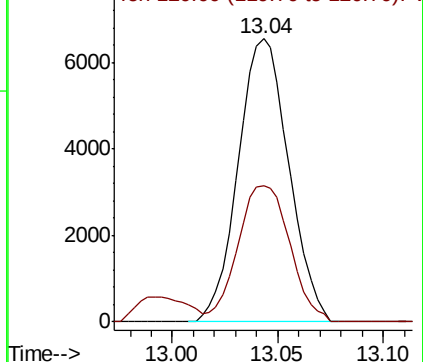


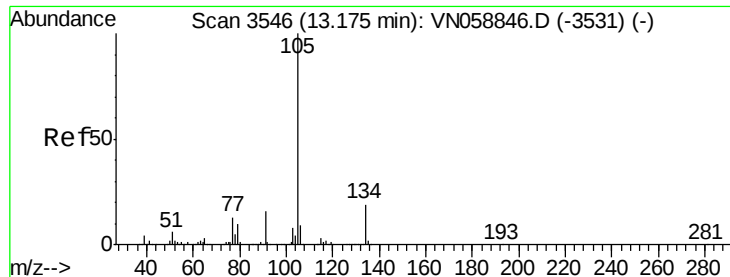
#84
 1,2,4-Trimethylbenzene
 Concen: 0.794 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.5	21.9	65.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.885 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

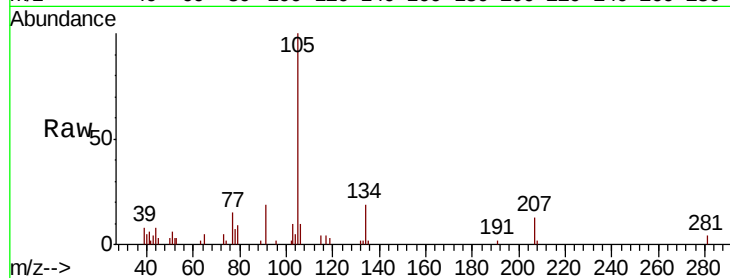
ClientSampleId :

Tot Ion:105 Resp: 13825

Ion Ratio Lower Upper

105 100

134 19.6 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

8000

6000

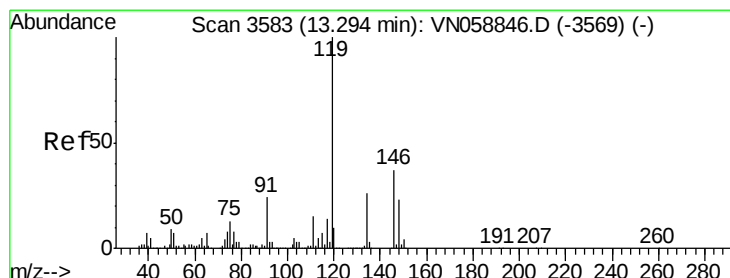
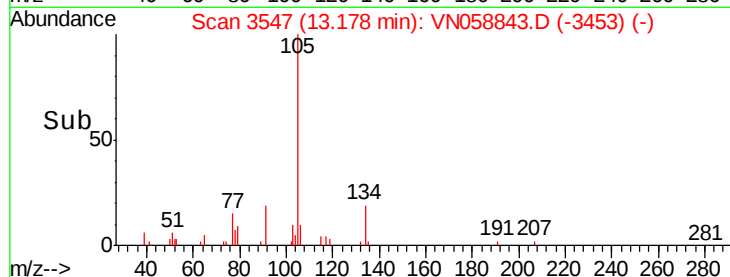
4000

2000

0

Time-->

13.15 13.20



#86

p-Isopropyltoluene

Concen: 0.815 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

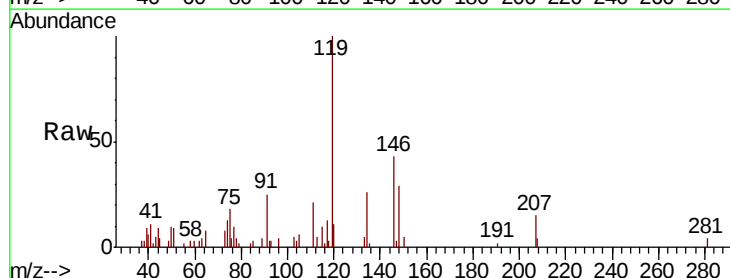
Tgt Ion:119 Resp: 11533

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 25.1 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

8000

6000

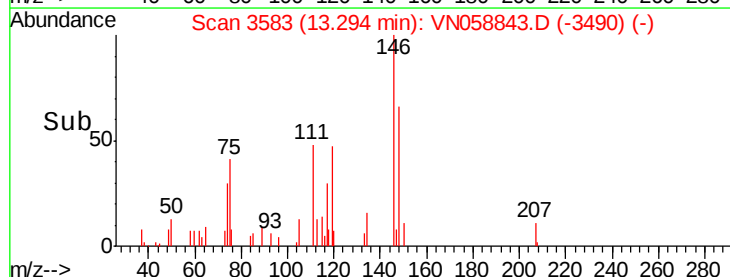
4000

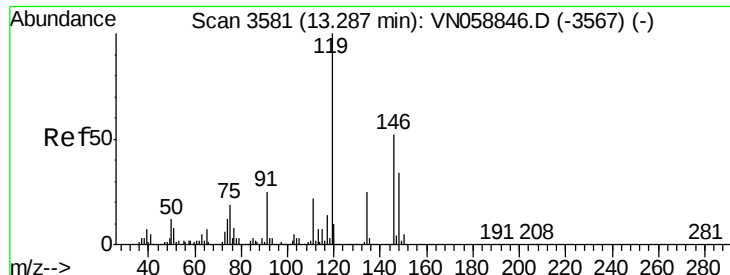
2000

0

Time-->

13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 0.885 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampled :

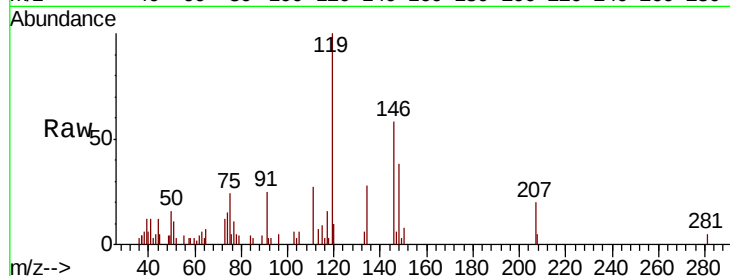
Tot Ion:146 Resp: 6413

Ion Ratio Lower Upper

146 100

111 41.5 21.0 63.0

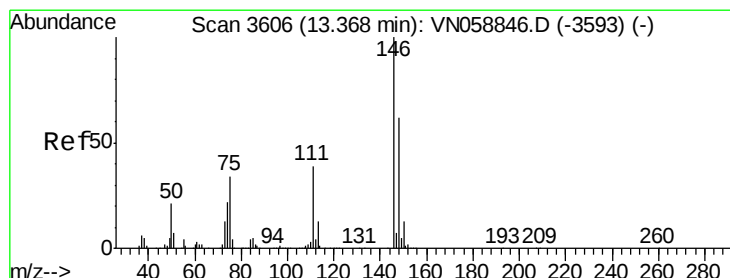
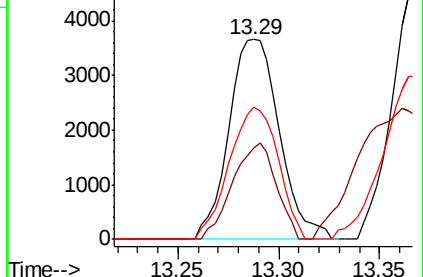
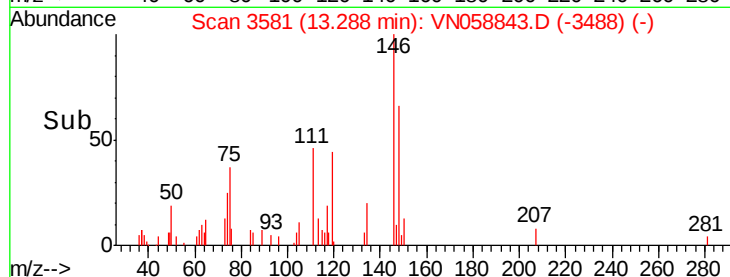
148 64.0 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.869 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.08 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

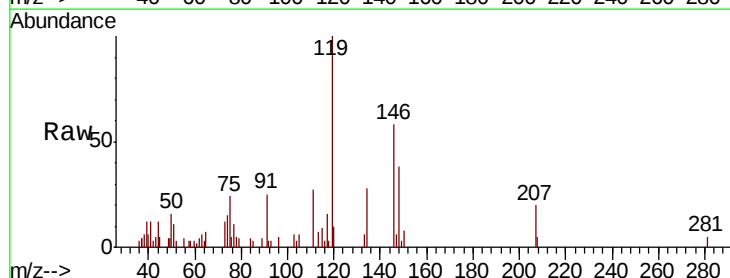
Tgt Ion:146 Resp: 6413

Ion Ratio Lower Upper

146 100

111 41.5 20.2 60.6

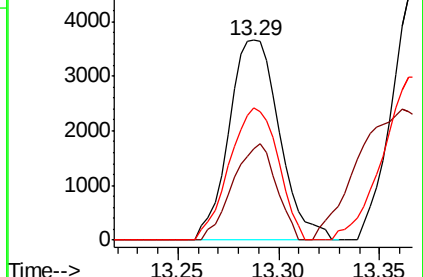
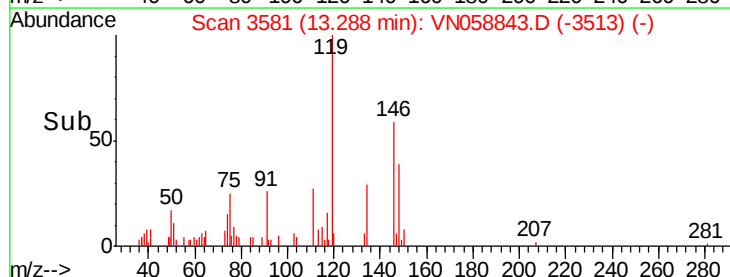
148 64.0 31.6 94.7

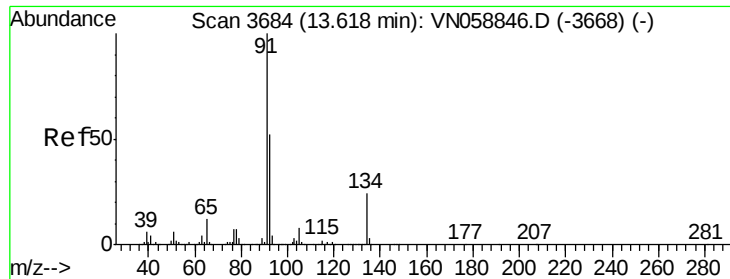


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.763 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

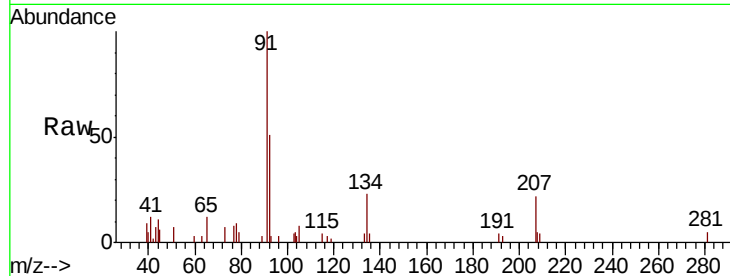
Tot Ion: 91 Resp: 9985

Ion Ratio Lower Upper

91 100

92 50.4 25.7 77.1

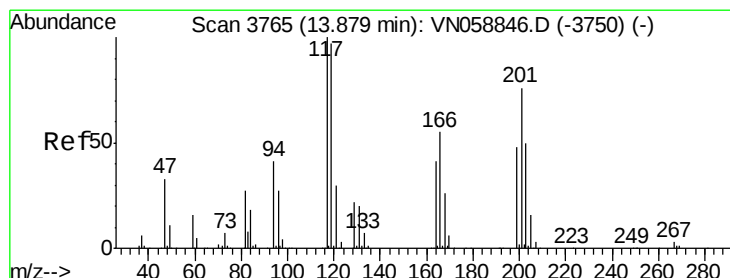
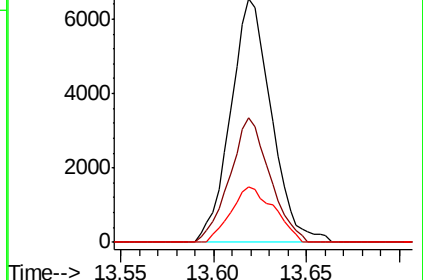
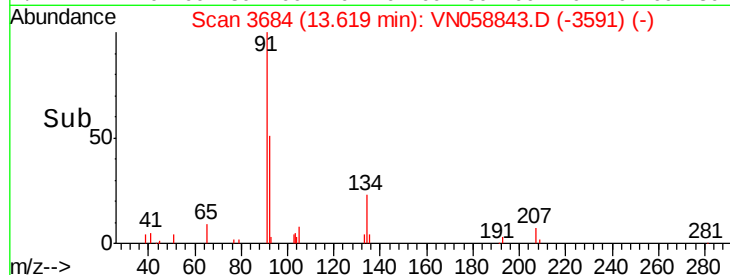
134 24.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN058843.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN058843.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN058843.D (-3668) (-)



#90

Hexachloroethane

Concen: 1.087 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058843.D

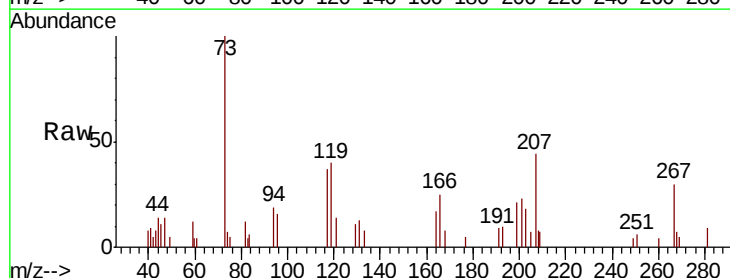
Acq: 18 Oct 2019 8:53

Tgt Ion: 117 Resp: 2780

Ion Ratio Lower Upper

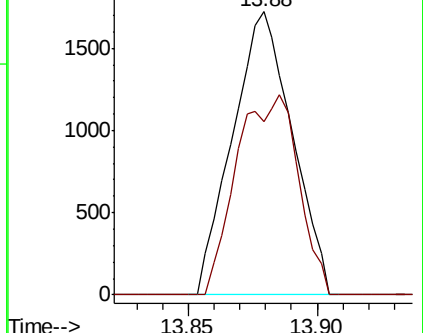
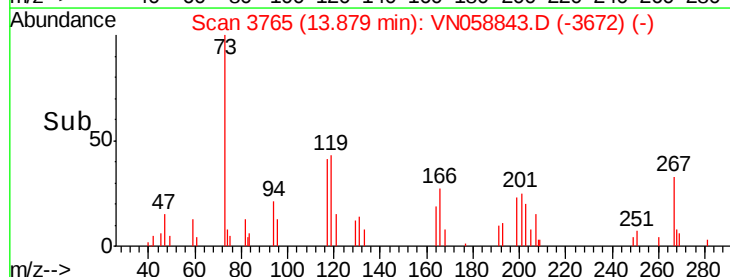
117 100

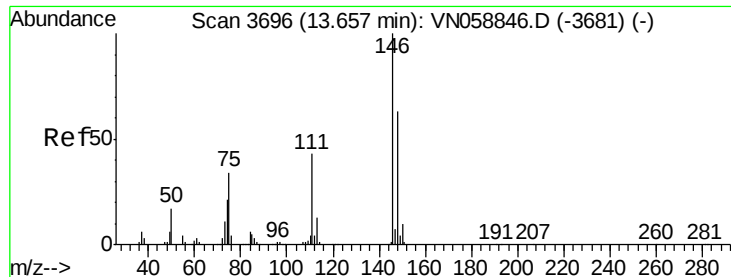
201 73.3 38.9 116.6



Abundance Ion 116.80 (116.50 to 117.50): VN058843.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058843.D (-3750) (-)

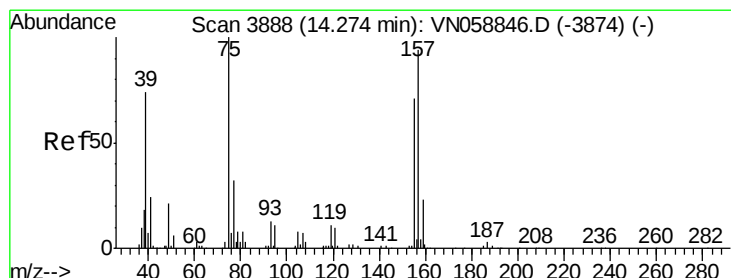
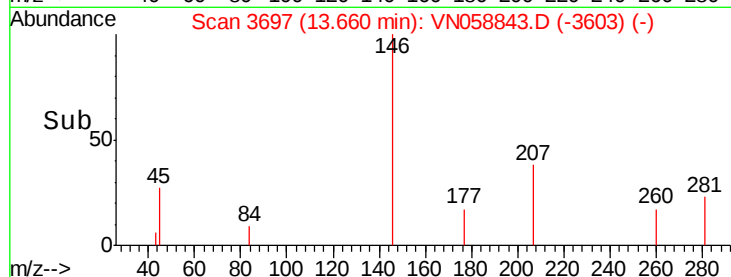
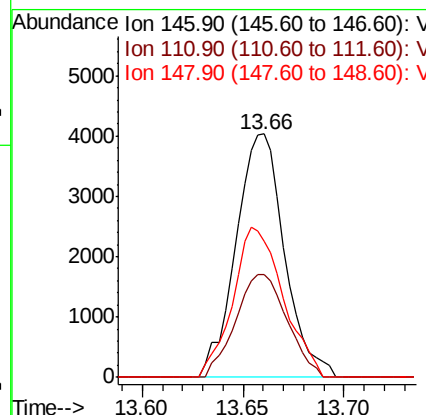
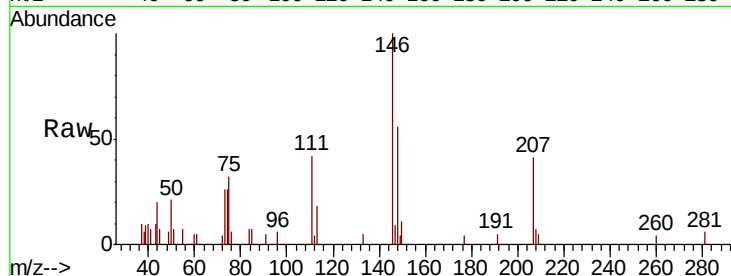




#91
 1,2-Dichlorobenzene
 Concen: 0.959 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

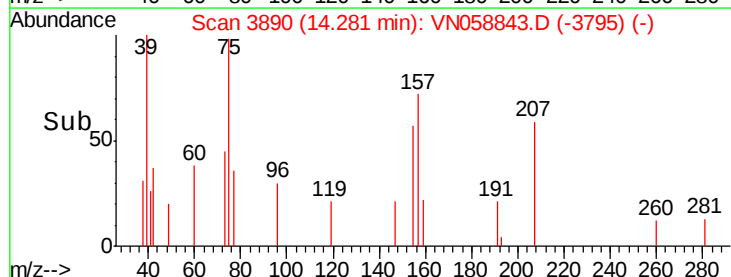
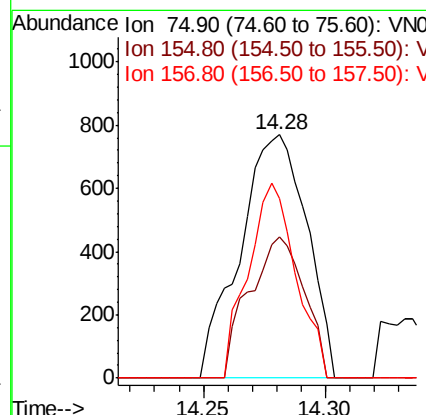
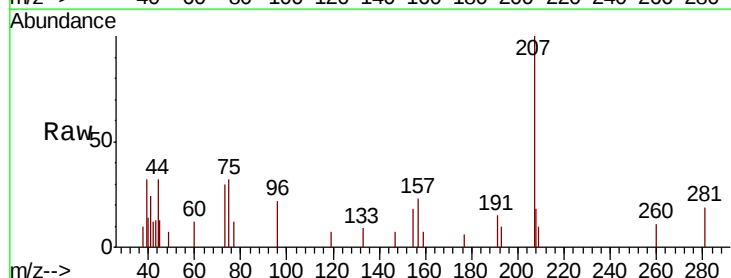
Instrument :
 MSVOA_N
 ClientSampled :

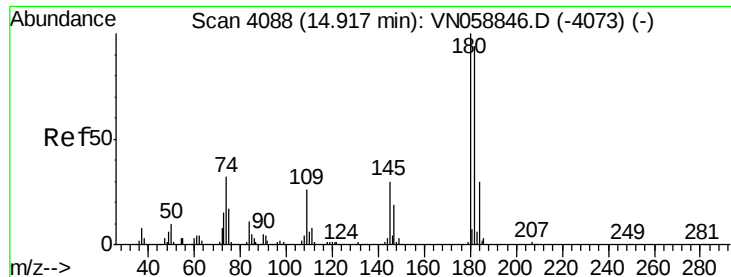
Tot Ion:146 Resp: 6788
 Ion Ratio Lower Upper
 146 100
 111 44.7 21.6 64.8
 148 63.7 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.161 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.01 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Tgt Ion: 75 Resp: 1462
 Ion Ratio Lower Upper
 75 100
 155 47.9 35.6 106.8
 157 57.0 47.4 142.2

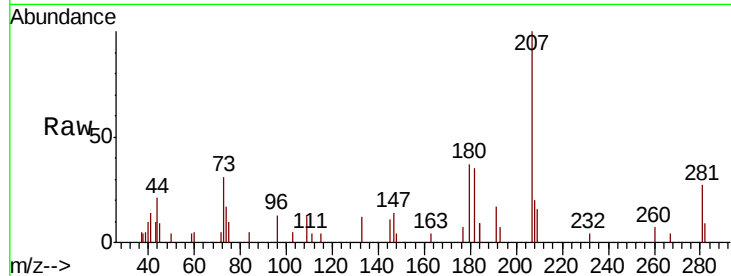




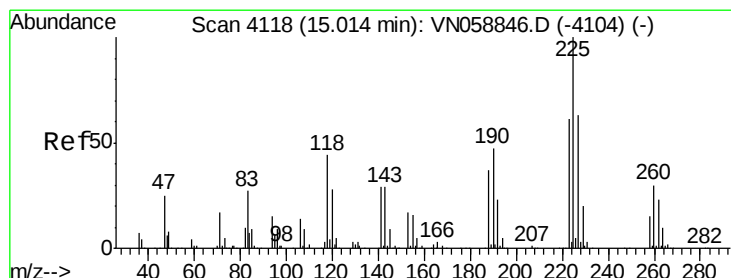
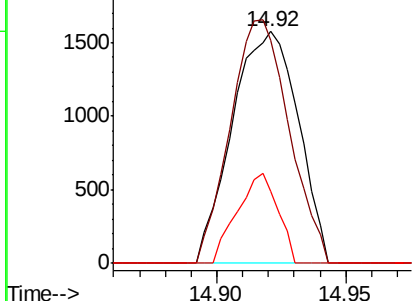
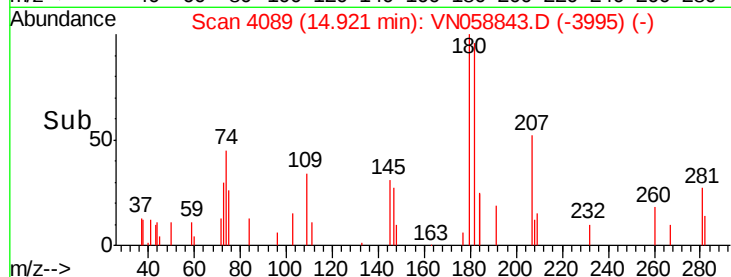
#93
 1,2,4-Trichlorobenzene
 Concen: 0.655 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 2803
 Ion Ratio Lower Upper
 180 100
 182 93.6 47.3 142.0
 145 23.8 15.3 45.8

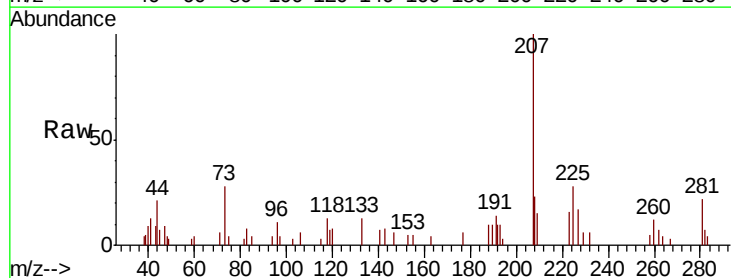


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

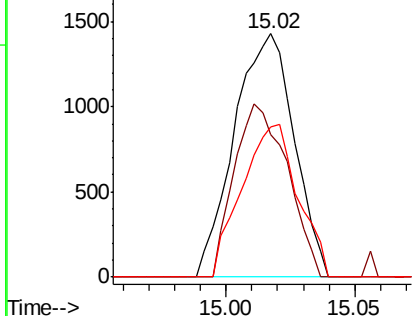
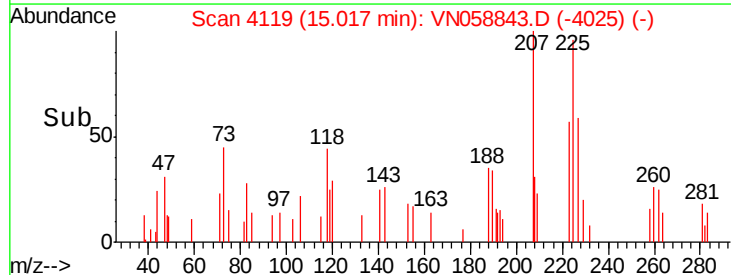


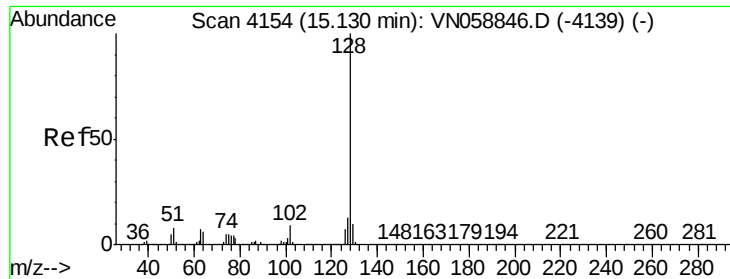
#94
 Hexachlorobutadiene
 Concen: 1.015 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Tgt Ion:225 Resp: 2308
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.9 92.5
 227 59.0 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.571 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

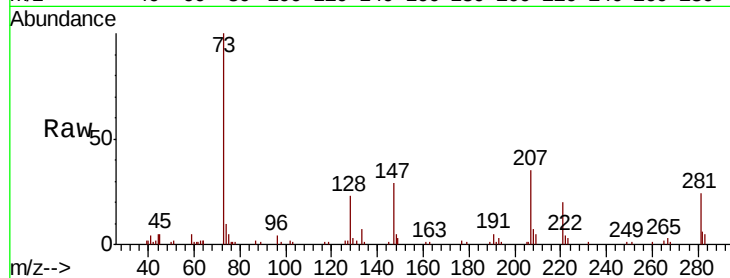
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 7013

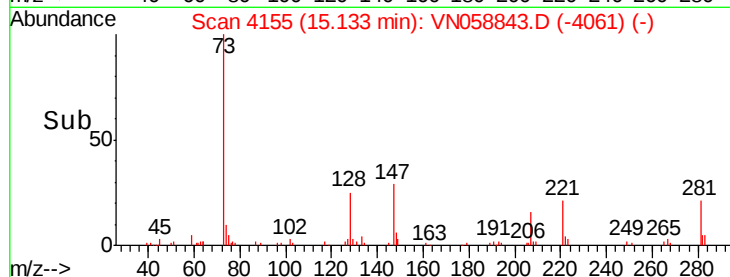
Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.2	15.2
129	10.2	8.4	12.6



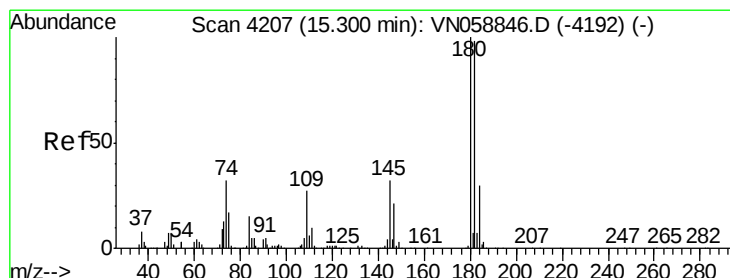
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 0.710 ug/l

RT: 15.30 min Scan# 4207

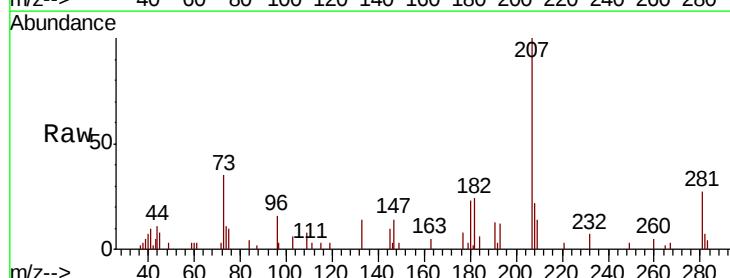
Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Tgt Ion:180 Resp: 2973

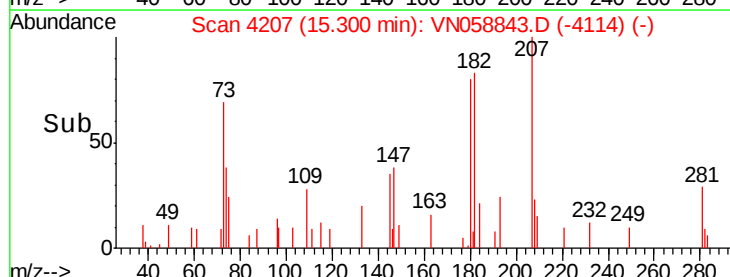
Ion	Ratio	Lower	Upper
180	100		
182	87.3	47.9	143.7
145	32.8	15.9	47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->