

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058882.D
 Acq On : 21 Oct 2019 12:55
 Operator : JC/SP
 Sample : K5452-07MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MS

Quant Time: Oct 22 03:17:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	442117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	718092	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	655140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	315013	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	329254	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
35) Dibromofluoromethane	7.57	113	240862	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
50) Toluene-d8	10.08	98	934818	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.40	95	343305	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	260754	47.304	ug/l	99
3) Chloromethane	2.04	50	324297	47.502	ug/l	98
4) Vinyl Chloride	2.17	62	335487	49.492	ug/l	99
5) Bromomethane	2.54	94	203884	48.031	ug/l	96
6) Chloroethane	2.68	64	206182	47.431	ug/l	99
7) Trichlorofluoromethane	3.00	101	398314	47.490	ug/l	99
8) Diethyl Ether	3.39	74	147268	50.809	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	222221	47.792	ug/l	98
10) Methyl Iodide	3.93	142	303279	49.592	ug/l	100
11) Tert butyl alcohol	4.75	59	255816	237.737	ug/l	99
12) 1,1-Dichloroethene	3.72	96	218078	50.036	ug/l	98
13) Acrolein	3.58	56	181125	244.976	ug/l	99
14) Allyl chloride	4.30	41	441482	50.058	ug/l	99
15) Acrylonitrile	4.96	53	687076	253.843	ug/l	100
16) Acetone	3.79	43	609061	190.084	ug/l	100
17) Carbon Disulfide	4.03	76	677772	48.275	ug/l	100
18) Methyl Acetate	4.30	43	340924	46.800	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	790143	51.774	ug/l	100
20) Methylene Chloride	4.53	84	258905	47.321	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	239722	49.804	ug/l	97
22) Diisopropyl ether	5.93	45	897188	52.009	ug/l	96
23) Vinyl Acetate	5.87	43	3823486	275.873	ug/l	99
24) 1,1-Dichloroethane	5.82	63	491039	49.091	ug/l	100
25) 2-Butanone	6.81	43	952540	229.011	ug/l	98
26) 2,2-Dichloropropane	6.80	77	422465	48.829	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	276107	50.215	ug/l	100
28) Bromochloromethane	7.18	49	162874	48.892	ug/l	100
29) Tetrahydrofuran	7.19	42	638788	251.054	ug/l	100
30) Chloroform	7.35	83	480004	47.839	ug/l	100
31) Cyclohexane	7.63	56	444950	47.749	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	419840	49.642	ug/l	99
36) 1,1-Dichloropropene	7.78	75	362520	49.311	ug/l	99
37) Ethyl Acetate	6.91	43	407750	50.901	ug/l	100
38) Carbon Tetrachloride	7.75	117	365577	48.269	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	420834	50.980	ug/l	98
40) Benzene	8.02	78	1079331	49.996	ug/l	99
41) Methacrylonitrile	7.19	41	574761	161.098	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	396543	47.684	ug/l	100
43) Isopropyl Acetate	8.15	43	644695	50.182	ug/l	99
44) Trichloroethene	8.82	130	256418	48.759	ug/l	99
45) 1,2-Dichloropropane	9.11	63	295833	49.973	ug/l	99
46) Dibromomethane	9.20	93	182502	48.766	ug/l	99
47) Bromodichloromethane	9.39	83	380350	49.311	ug/l	98
48) Methyl methacrylate	9.19	41	300257	51.512	ug/l	99
49) 1,4-Dioxane	9.19	88	87640	915.925	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1995418	265.914	ug/l	99
52) Toluene	10.15	92	656829	51.306	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	436201	51.085	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	454225	49.791	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	255915	48.525	ug/l	98
56) Ethyl methacrylate	10.43	69	409812	46.416	ug/l	100
57) 1,3-Dichloropropane	10.70	76	456960	49.367	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	98	5.689	ug/l #	50
59) 2-Hexanone	10.75	43	1490886	257.112	ug/l	99
60) Dibromochloromethane	10.90	129	283406	49.925	ug/l	99
61) 1,2-Dibromoethane	11.00	107	270227	50.068	ug/l	99
64) Tetrachloroethene	10.63	164	229225	49.960	ug/l	99
65) Chlorobenzene	11.43	112	688581	51.626	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	256734	51.009	ug/l	99
67) Ethyl Benzene	11.51	91	1273807	54.442	ug/l	99
68) m/p-Xylenes	11.62	106	937517	108.047	ug/l	100
69) o-Xylene	11.95	106	448698	54.220	ug/l	99
70) Styrene	11.96	104	746133	48.885	ug/l	100
71) Bromoform	12.13	173	201786	51.702	ug/l #	99
73) Isopropylbenzene	12.25	105	1219430	52.969	ug/l	99
74) N-amyl acetate	12.07	43	572157	54.820	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	395921	48.910	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	540463	74.028	ug/l #	100
77) Bromobenzene	12.53	156	287846	50.727	ug/l	99
78) n-propylbenzene	12.59	91	1444467	53.081	ug/l	100
79) 2-Chlorotoluene	12.68	91	851396	51.119	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1034584	53.488	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	143631	51.251	ug/l	99
82) 4-Chlorotoluene	12.78	91	881721	51.804	ug/l	100
83) tert-Butylbenzene	13.00	119	884666	53.486	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1039590	54.491	ug/l	99
85) sec-Butylbenzene	13.17	105	1189617	53.945	ug/l	99
86) p-Isopropyltoluene	13.29	119	1070518	55.017	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	517740	51.028	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	514163	50.615	ug/l	99
89) n-Butylbenzene	13.62	91	947473	53.008	ug/l	99
90) Hexachloroethane	13.88	117	198744	50.406	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	504301	50.569	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	86901	47.464	ug/l	99

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QLast Update : Sat Oct 19 00:16:20 2019
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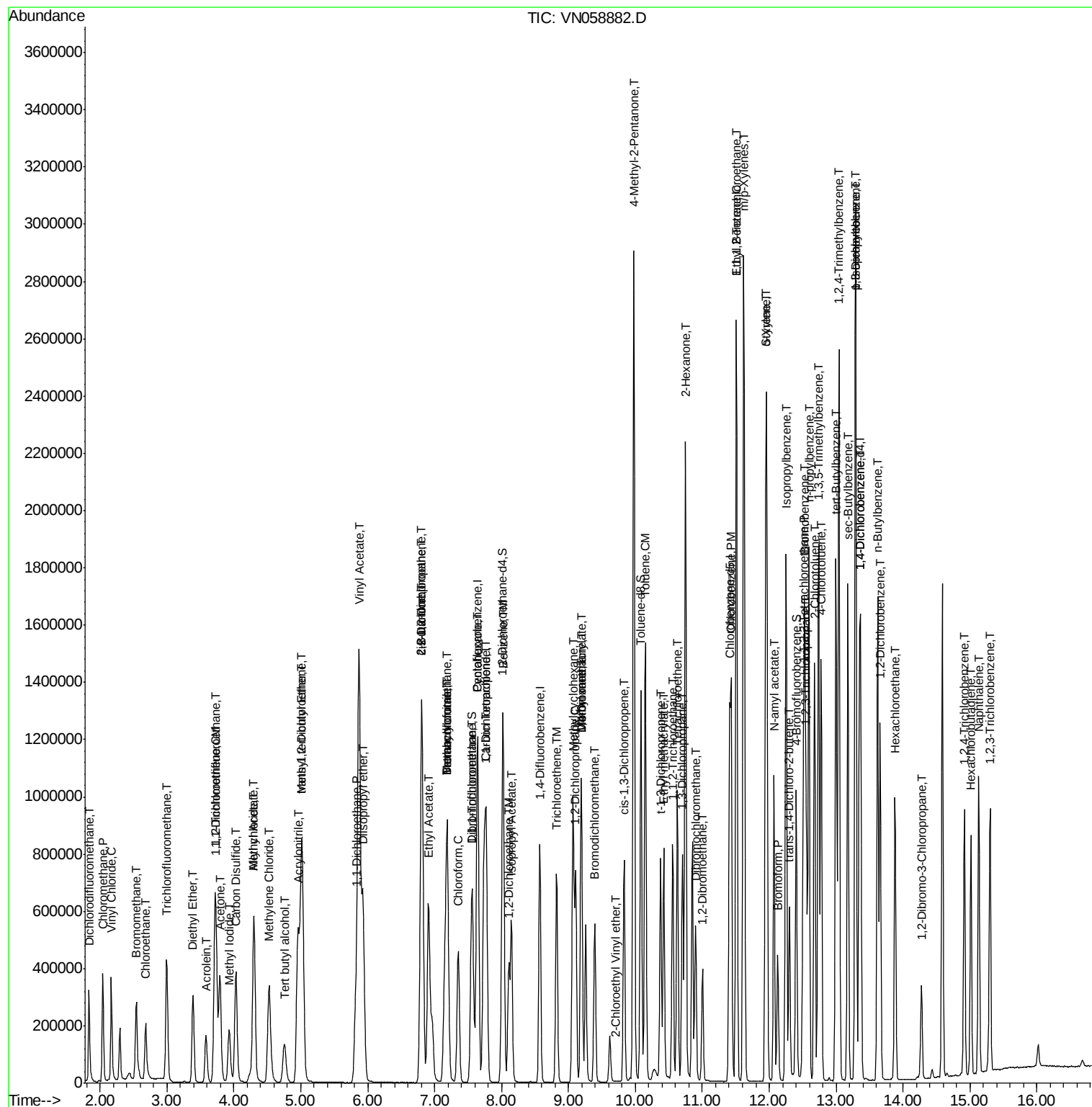
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	287759	46.047	ug/l	98
94) Hexachlorobutadiene	15.01	225	152192	47.085	ug/l	99
95) Naphthalene	15.13	128	830601	46.209	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	279317	45.908	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

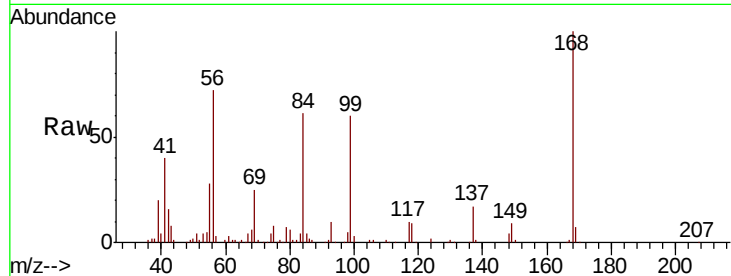
FA19-MMW0422MS

Tot Ion:168 Resp: 442117

Ion Ratio Lower Upper

168 100

99 59.8 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

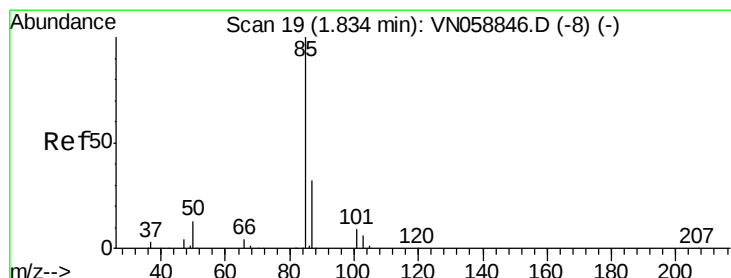
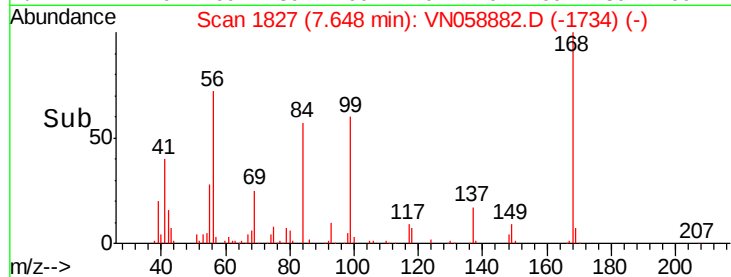
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 47.304 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058882.D

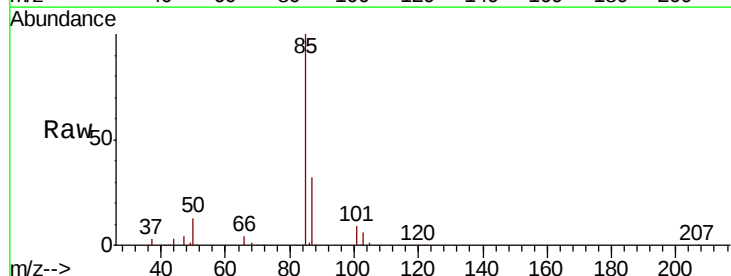
Acq: 21 Oct 2019 12:55

Tgt Ion: 85 Resp: 260754

Ion Ratio Lower Upper

85 100

87 31.8 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

200000

150000

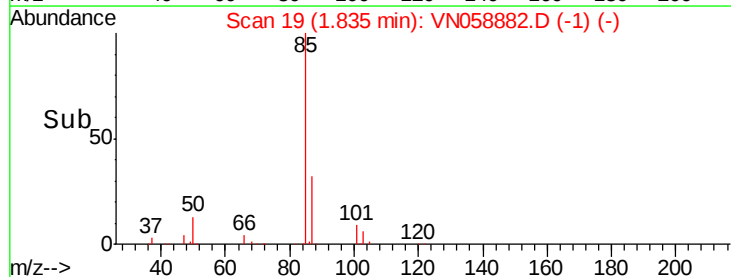
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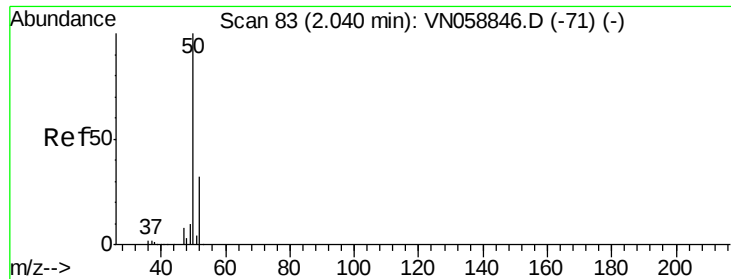
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 47.502 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

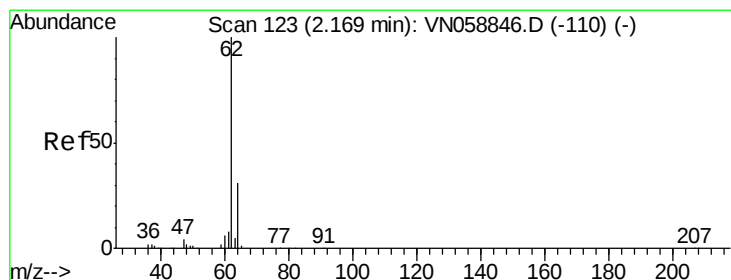
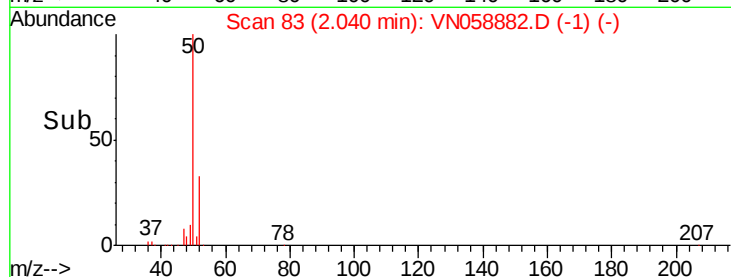
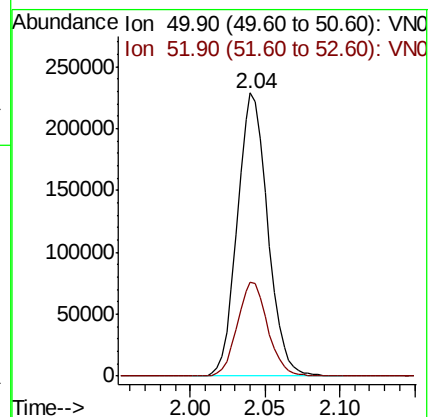
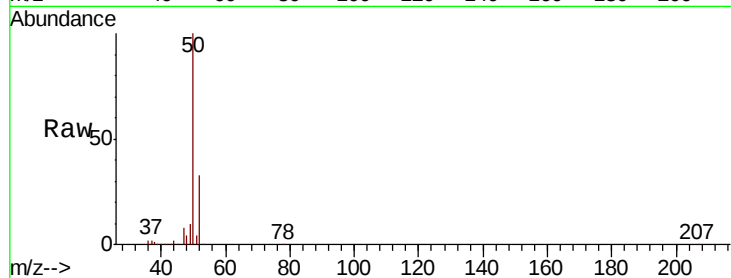
FA19-MMW0422MS

Tot Ion: 50 Resp: 324297

Ion Ratio Lower Upper

50 100

52 33.4 25.7 38.5



#4

Vinyl Chloride

Concen: 49.492 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058882.D

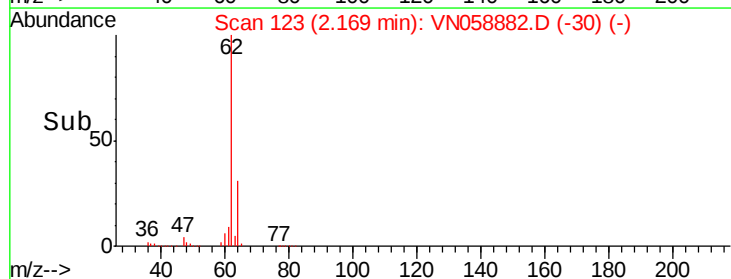
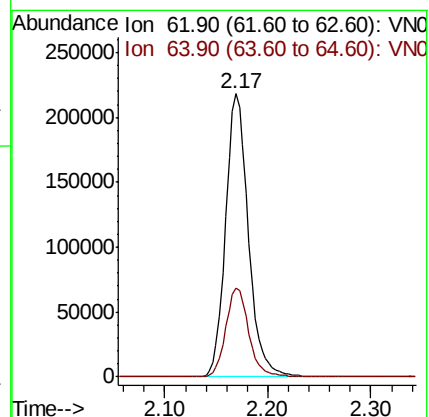
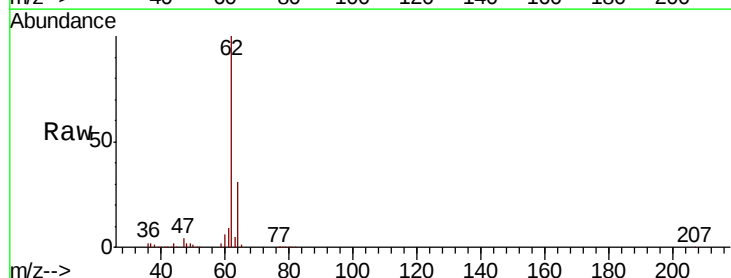
Acq: 21 Oct 2019 12:55

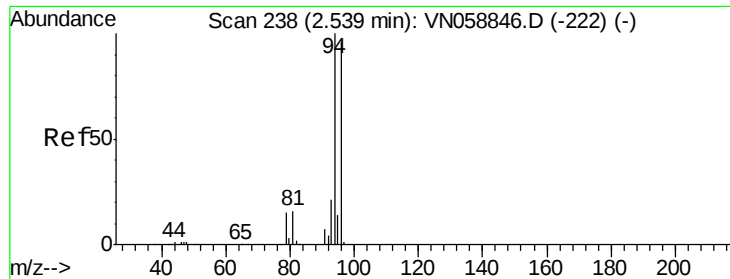
Tgt Ion: 62 Resp: 335487

Ion Ratio Lower Upper

62 100

64 31.4 24.6 36.8





#5

Bromomethane

Concen: 48.031 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

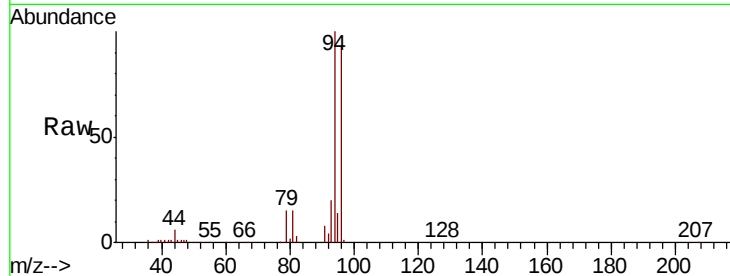
FA19-MMW0422MS

Tot Ion: 94 Resp: 203884

Ion Ratio Lower Upper

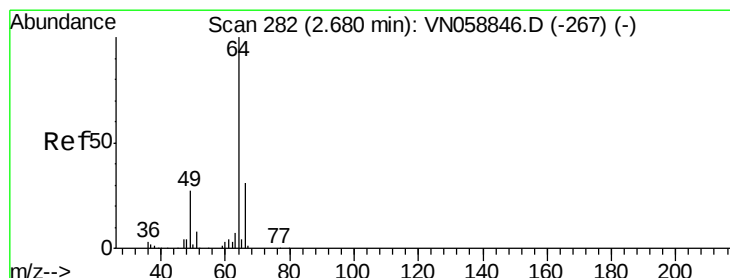
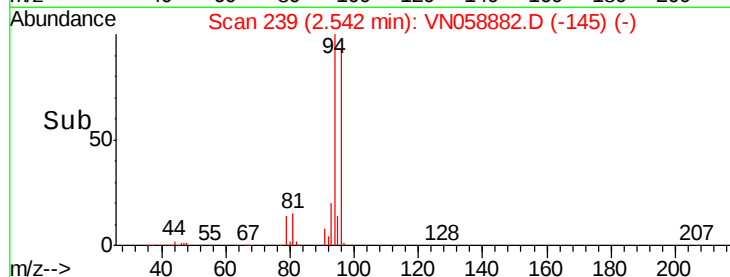
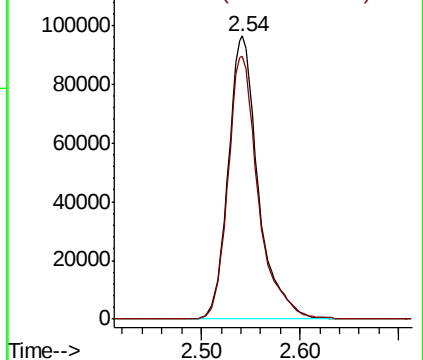
94 100

96 92.8 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 47.431 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058882.D

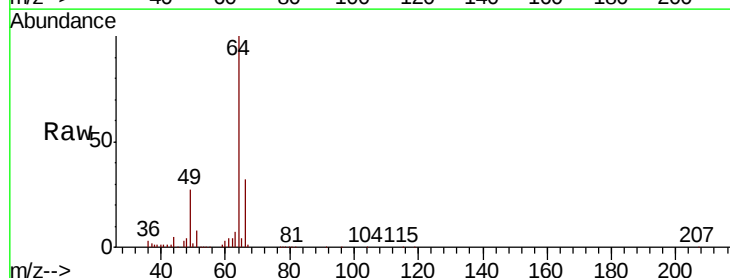
Acq: 21 Oct 2019 12:55

Tgt Ion: 64 Resp: 206182

Ion Ratio Lower Upper

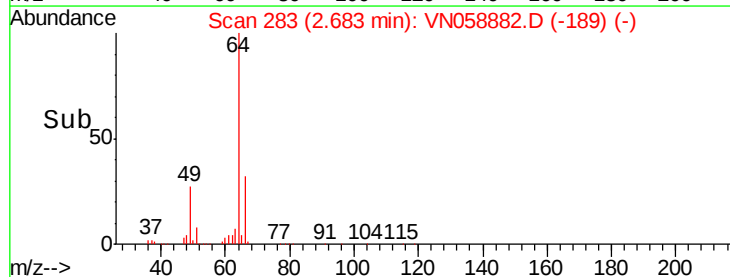
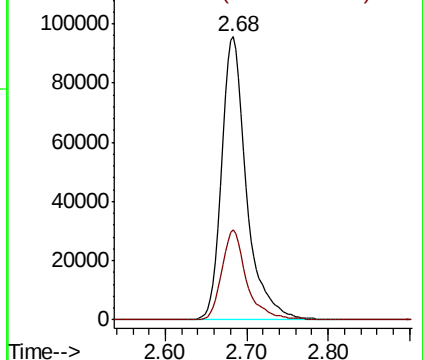
64 100

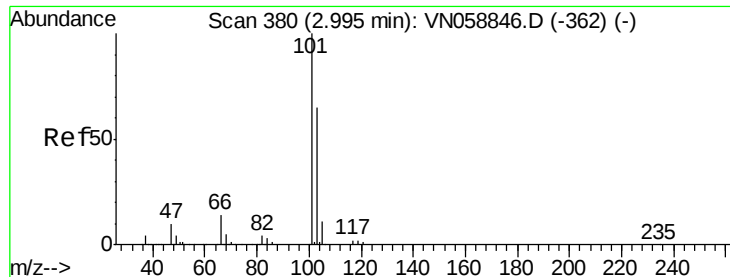
66 32.0 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC



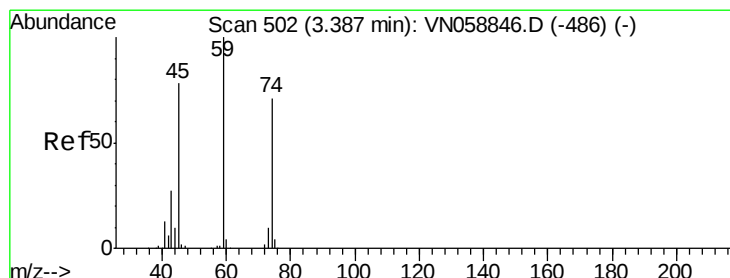
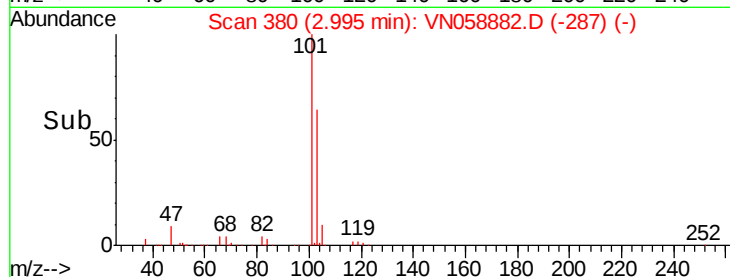
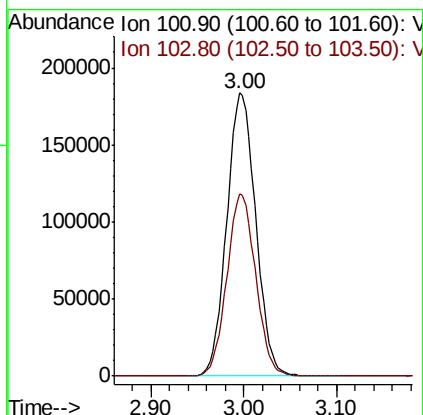
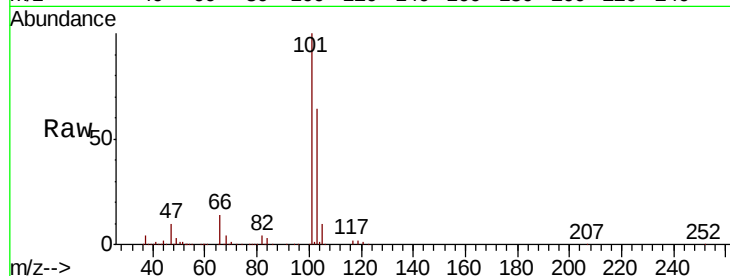


#7

Trichlorofluoromethane
 Concen: 47.490 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Instrument :
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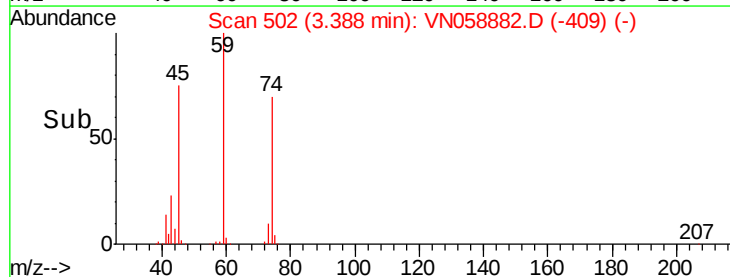
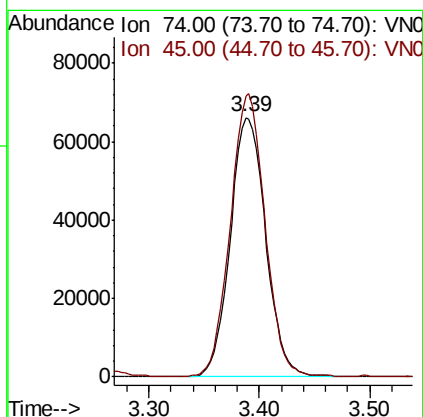
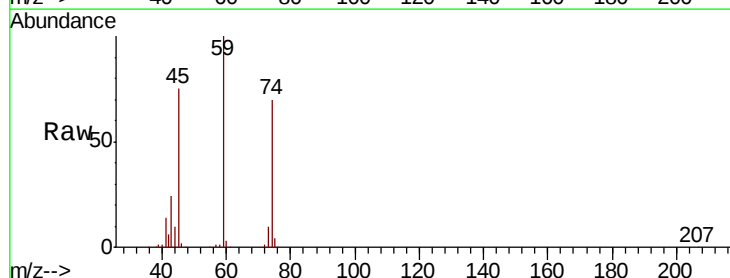
Tot Ion:101 Resp: 398314
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.2 78.2

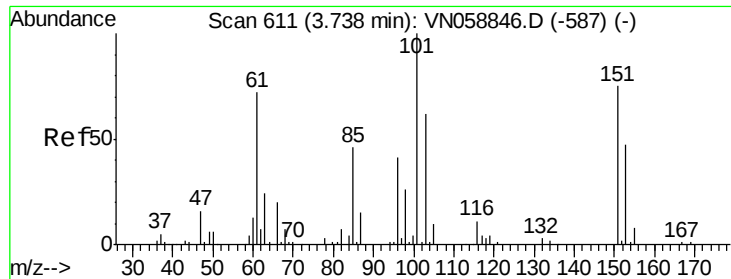


#8

Diethyl Ether
 Concen: 50.809 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Tgt Ion: 74 Resp: 147268
 Ion Ratio Lower Upper
 74 100
 45 106.0 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.792 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

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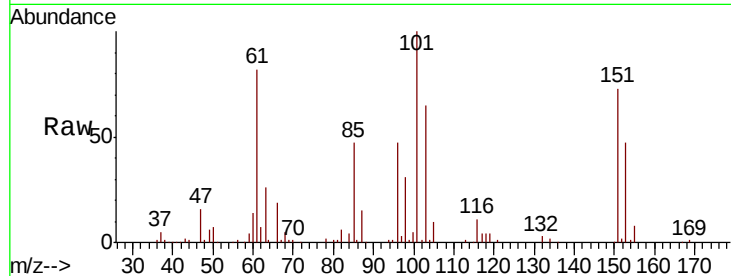
Tot Ion:101 Resp: 222221

Ion Ratio Lower Upper

101 100

85 45.6 37.2 55.8

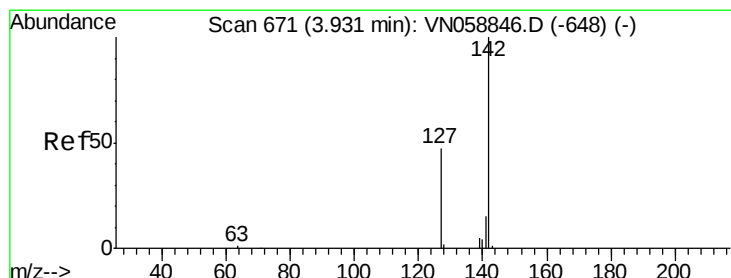
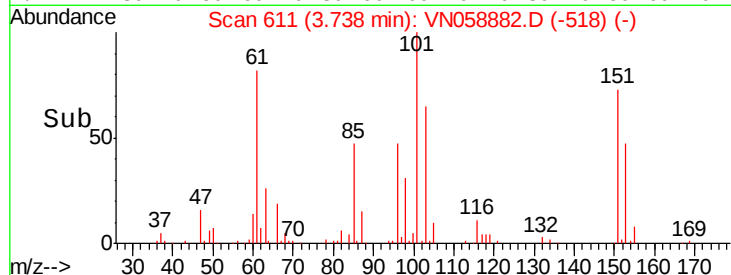
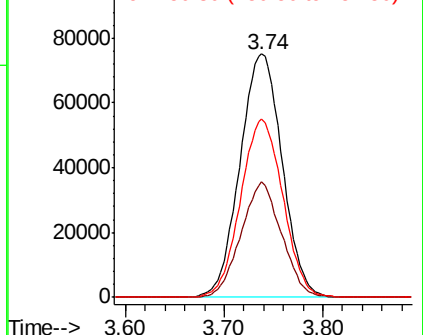
151 73.3 59.9 89.9



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: 49.592 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

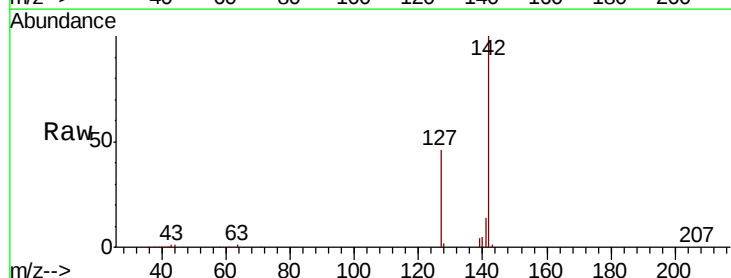
Tgt Ion:142 Resp: 303279

Ion Ratio Lower Upper

142 100

127 45.9 36.6 54.8

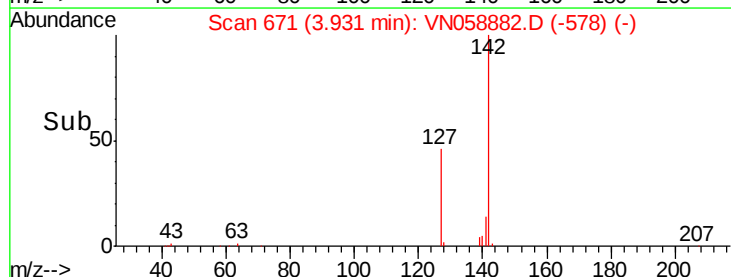
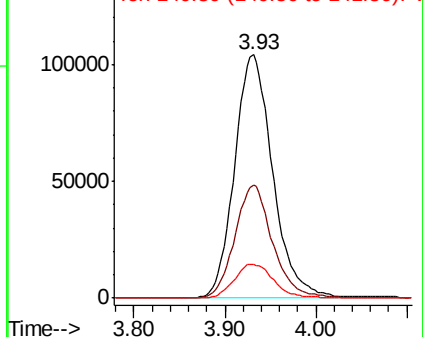
141 14.5 11.4 17.2

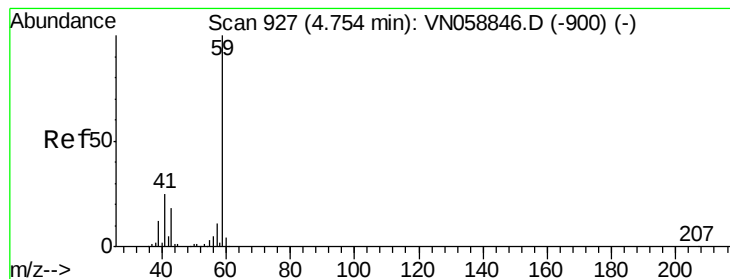


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



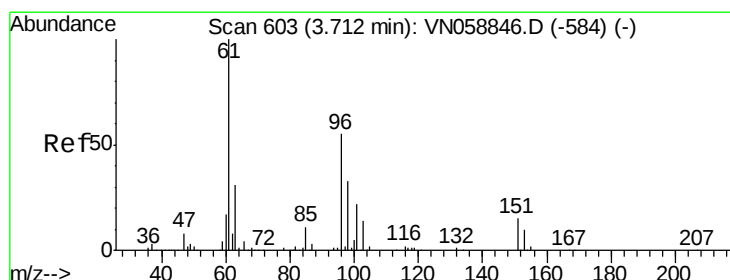
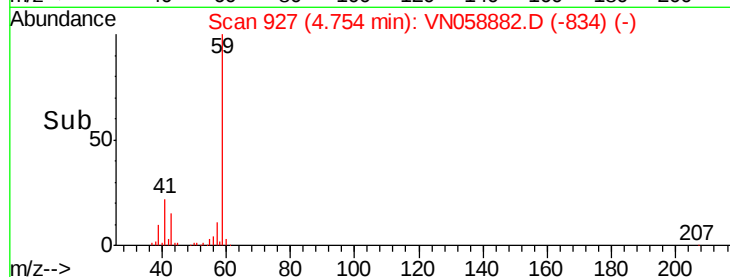
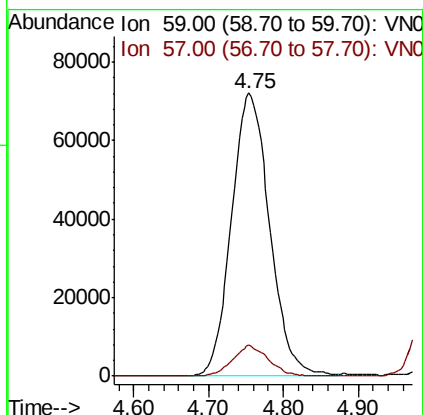
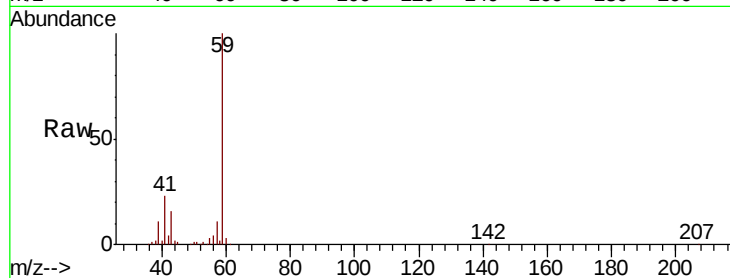


#11

Tert butyl alcohol
Concen: 237.737 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

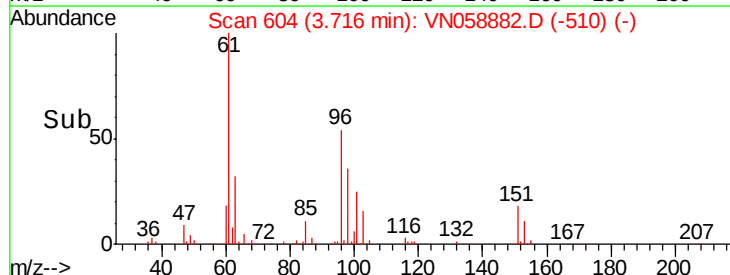
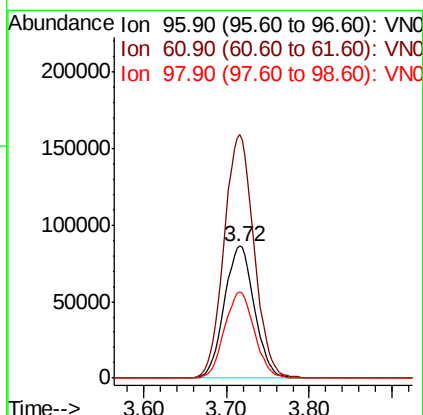
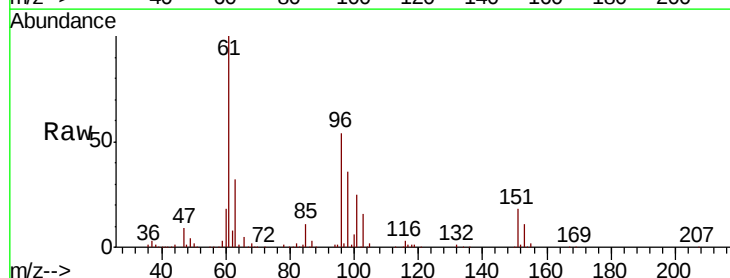
Tot Ion: 59 Resp: 255816
Ion Ratio Lower Upper
59 100
57 10.2 8.6 12.8

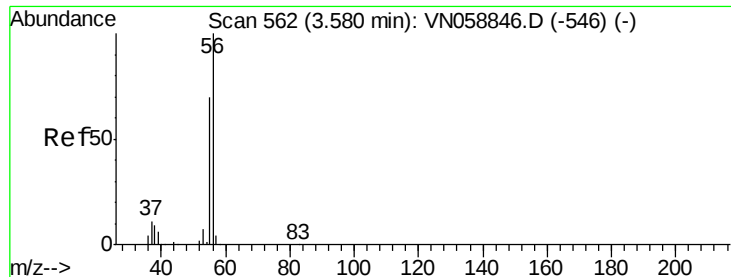


#12

1,1-Dichloroethene
Concen: 50.036 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion: 96 Resp: 218078
Ion Ratio Lower Upper
96 100
61 184.2 146.2 219.2
98 65.4 48.7 73.1





#13

Acrolein

Concen: 244.976 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

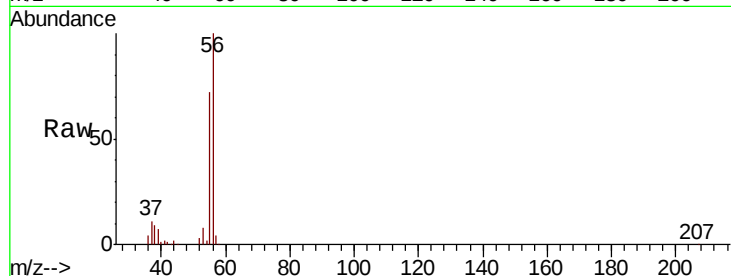
FA19-MMW0422MS

Tot Ion: 56 Resp: 181125

Ion Ratio Lower Upper

56 100

55 71.3 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

80000

60000

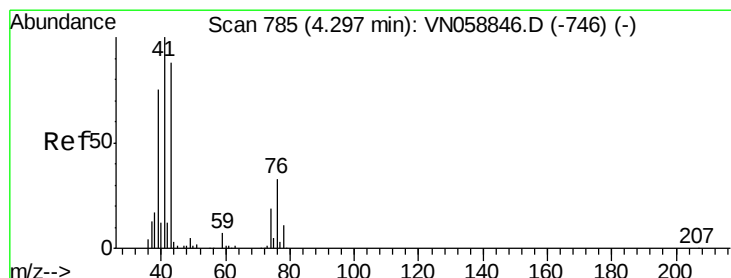
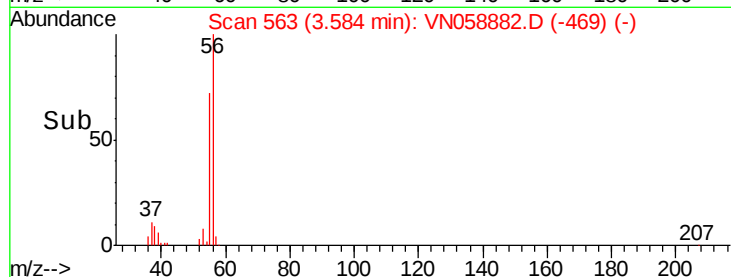
40000

20000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 50.058 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

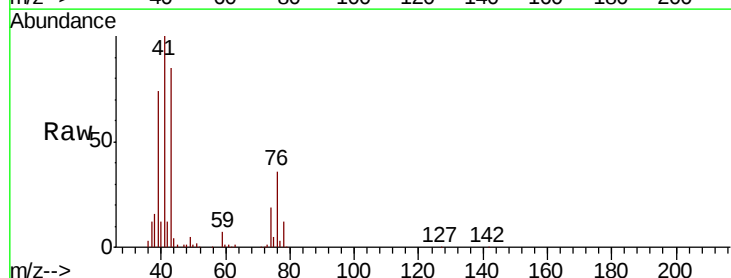
Tgt Ion: 41 Resp: 441482

Ion Ratio Lower Upper

41 100

39 69.5 55.9 83.9

76 31.5 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

150000

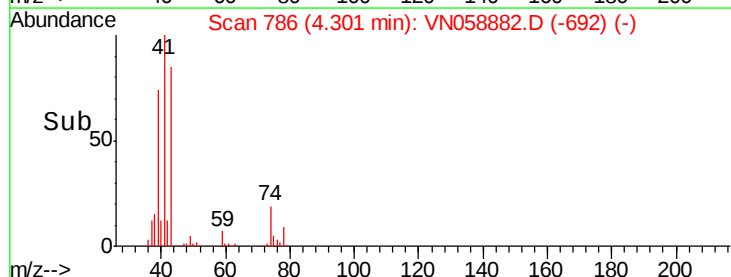
100000

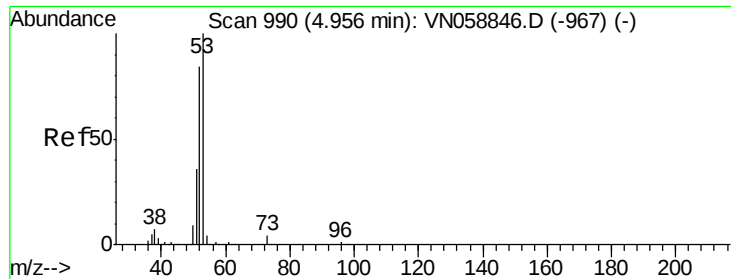
50000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 253.843 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MS

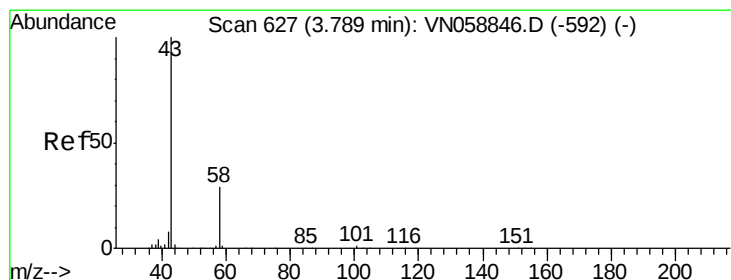
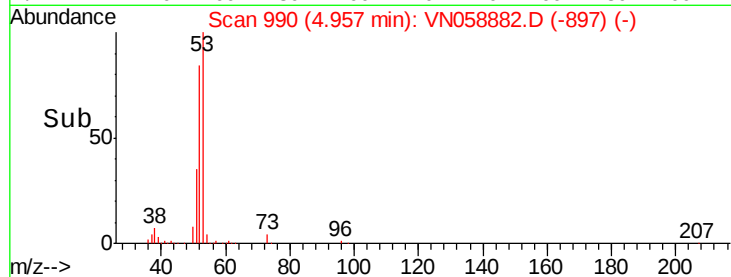
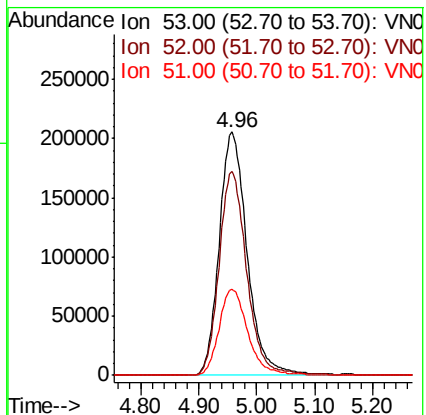
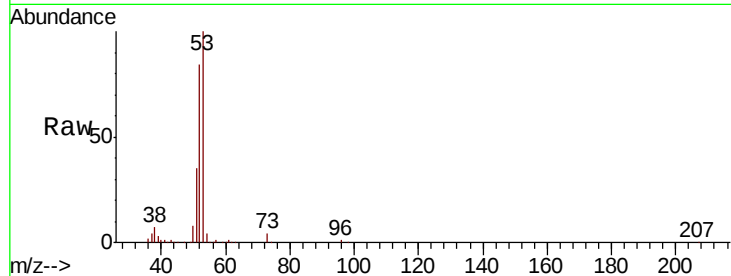
Tot Ion: 53 Resp: 687076

Ion Ratio Lower Upper

53 100

52 82.8 66.6 99.8

51 36.6 29.2 43.8



#16

Acetone

Concen: 190.084 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058882.D

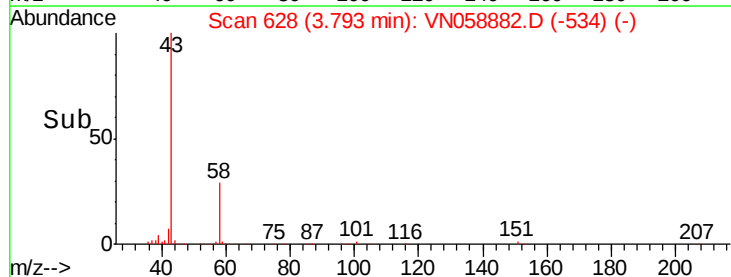
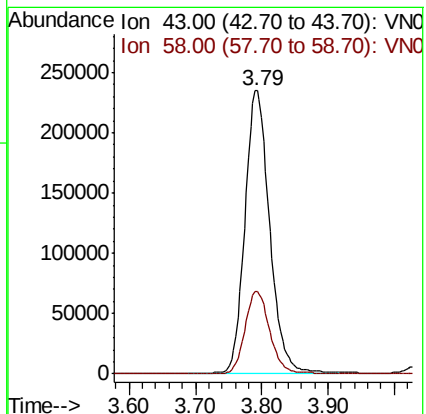
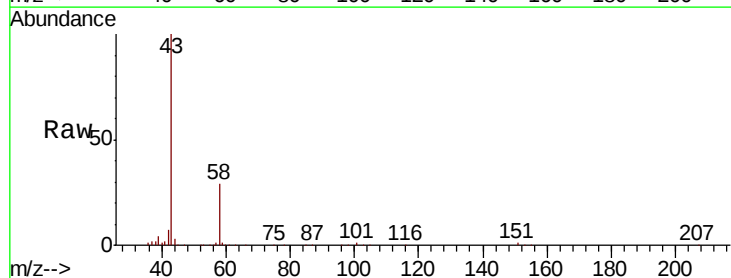
Acq: 21 Oct 2019 12:55

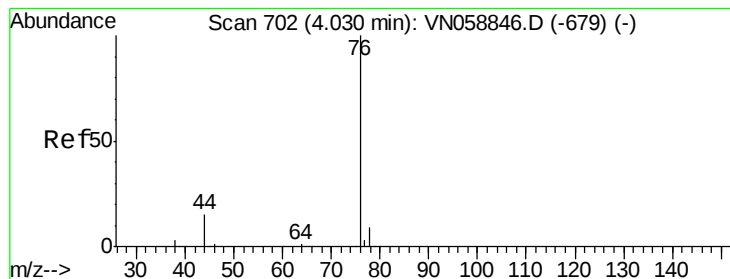
Tgt Ion: 43 Resp: 609061

Ion Ratio Lower Upper

43 100

58 29.1 23.1 34.7





#17

Carbon Disulfide

Concen: 48.275 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

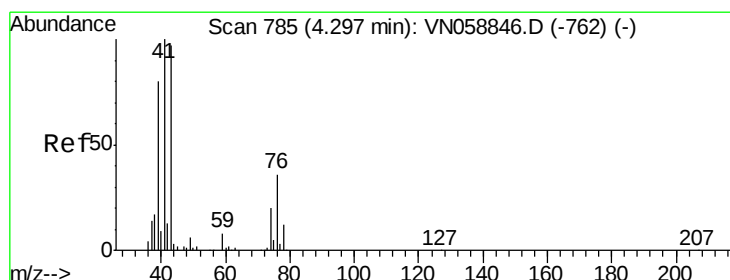
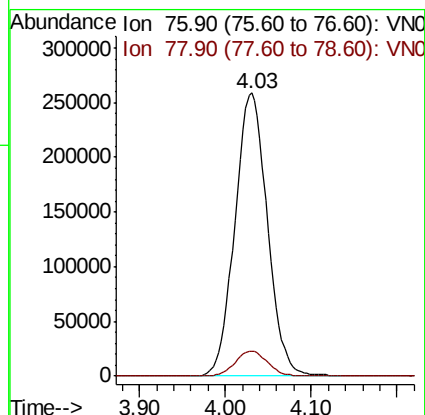
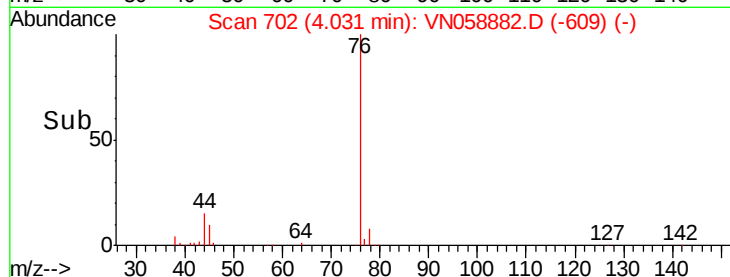
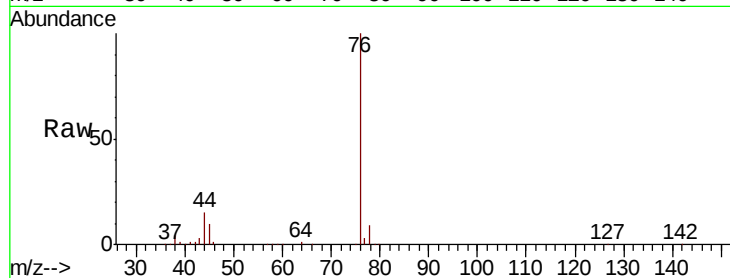
FA19-MMW0422MS

Tot Ion: 76 Resp: 677772

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



#18

Methyl Acetate

Concen: 46.800 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058882.D

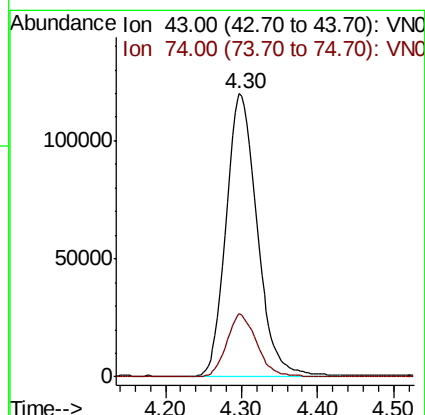
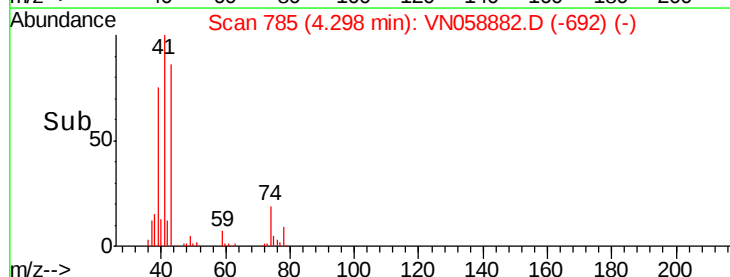
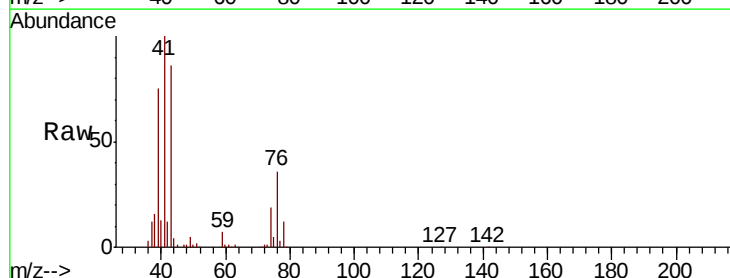
Acq: 21 Oct 2019 12:55

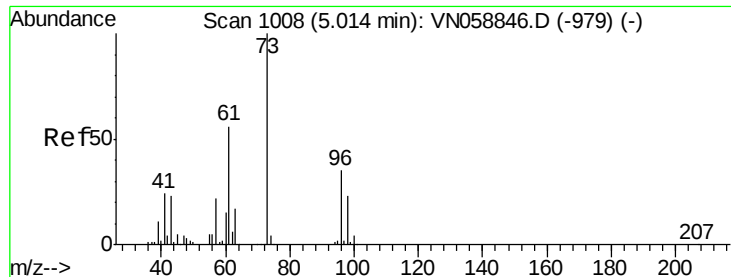
Tgt Ion: 43 Resp: 340924

Ion Ratio Lower Upper

43 100

74 21.8 17.1 25.7

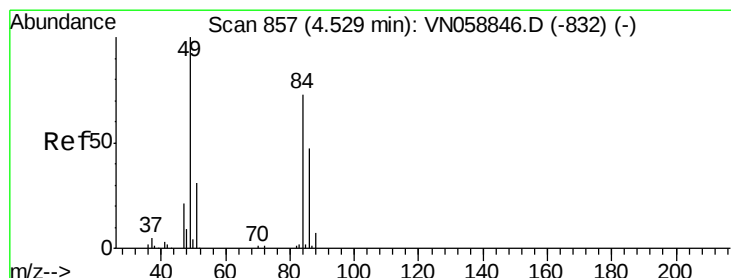
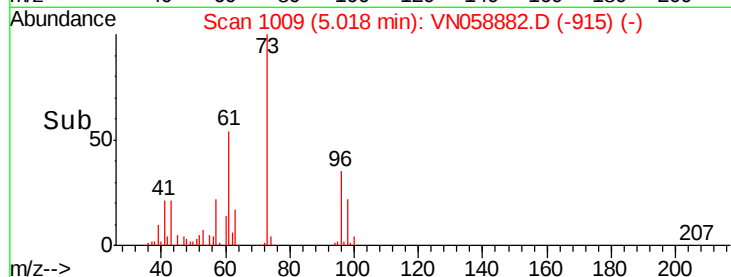
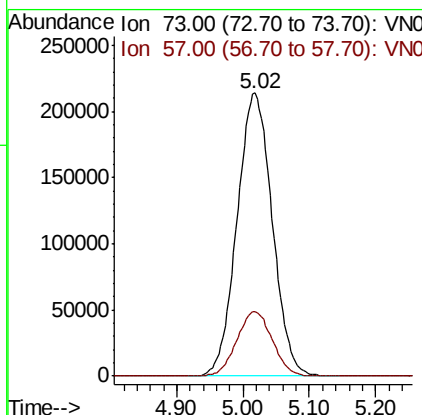
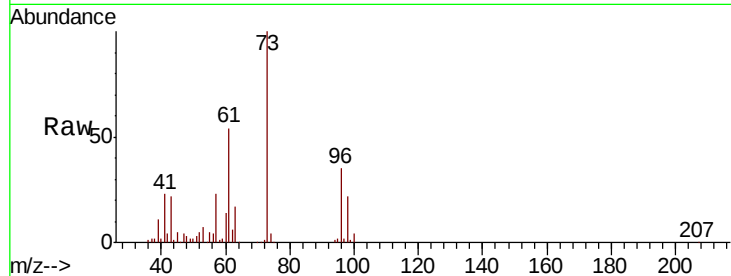




#19
Methvl tert-butvl Ether
Concen: 51.774 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

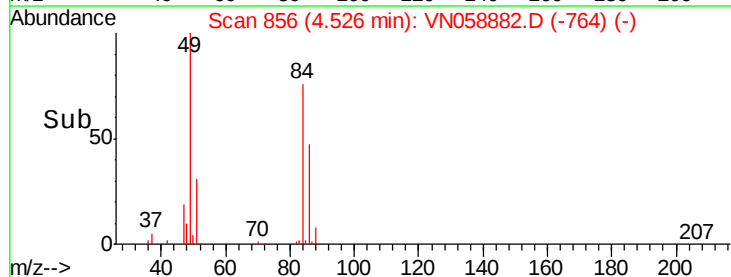
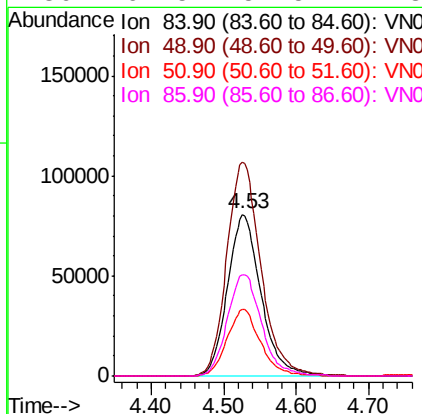
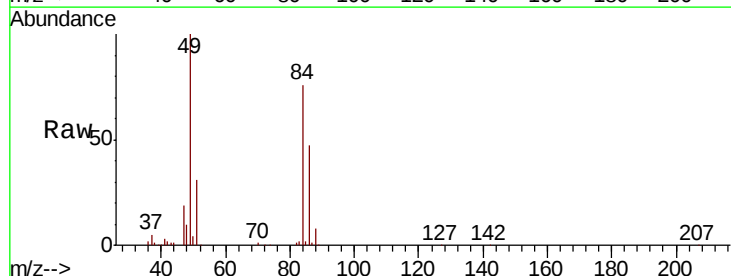
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

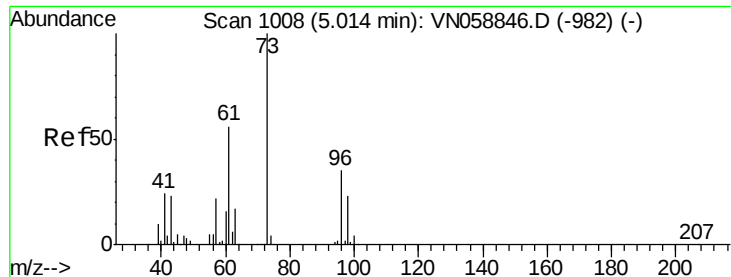
Tot Ion: 73 Resp: 790143
Ion Ratio Lower Upper
73 100
57 22.6 17.9 26.9



#20
Methylene Chloride
Concen: 47.321 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion: 84 Resp: 258905
Ion Ratio Lower Upper
84 100
49 132.2 109.6 164.4
51 41.4 33.8 50.6
86 62.5 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.804 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MS

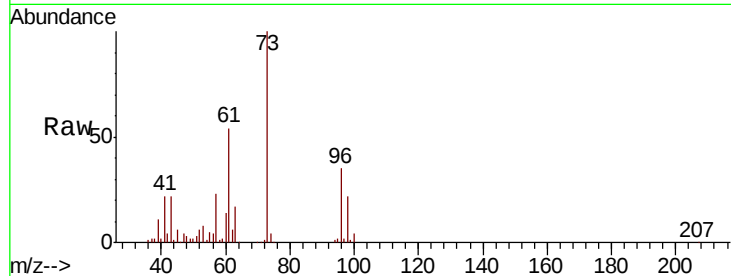
Tot Ion: 96 Resp: 239722

Ion Ratio Lower Upper

96 100

61 154.6 126.7 190.1

98 62.9 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

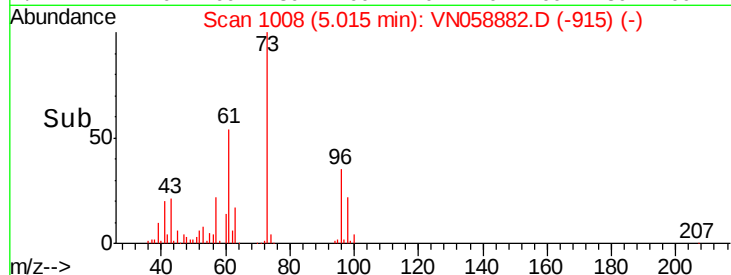
150000

100000

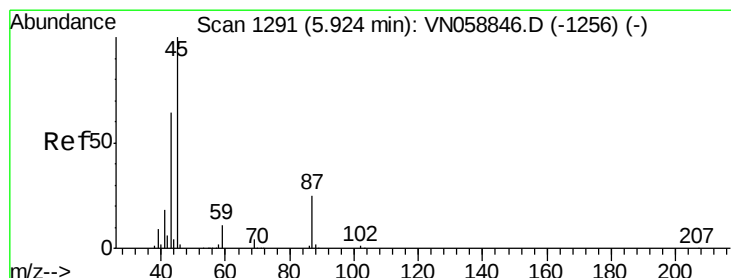
50000

0

Time-->



Time-->



#22

Diisopropyl ether

Concen: 52.009 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Tgt Ion: 45 Resp: 897188

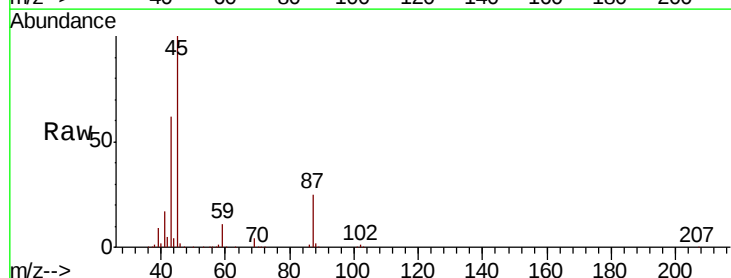
Ion Ratio Lower Upper

45 100

43 61.1 52.9 79.3

87 24.9 20.2 30.4

59 11.1 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

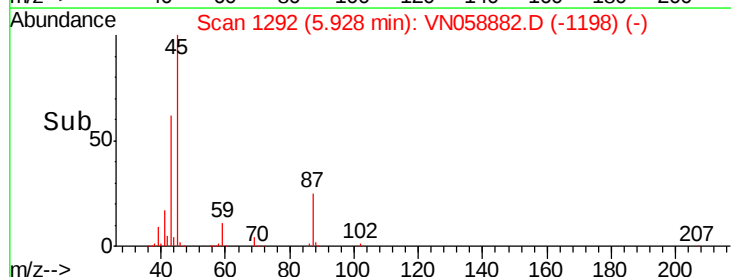
1500000

1000000

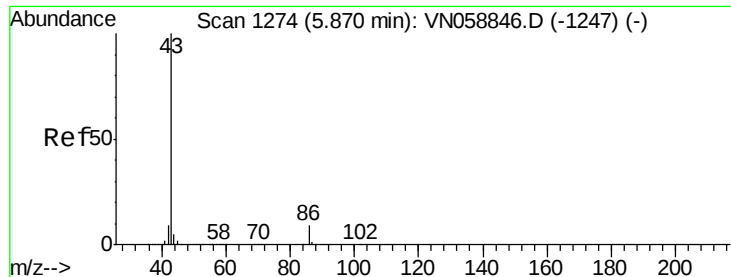
500000

0

Time-->



Time-->



#23

Vinyl Acetate

Concen: 275.873 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

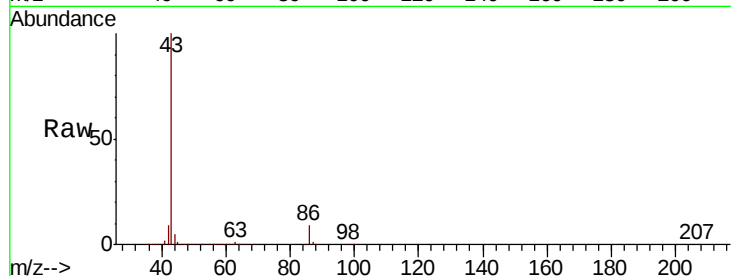
FA19-MMW0422MS

Tot Ion: 43 Resp: 3823486

Ion Ratio Lower Upper

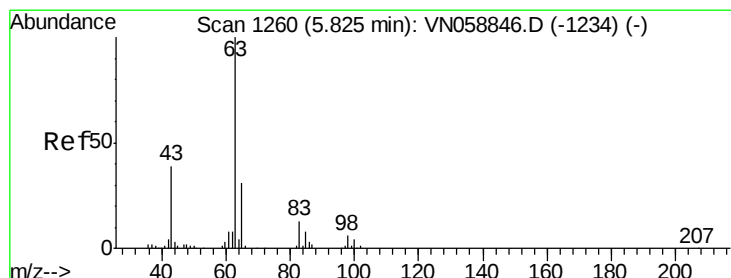
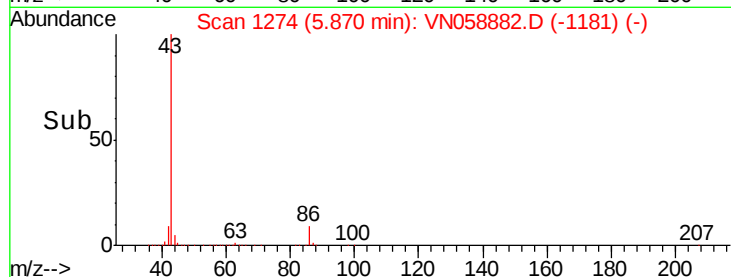
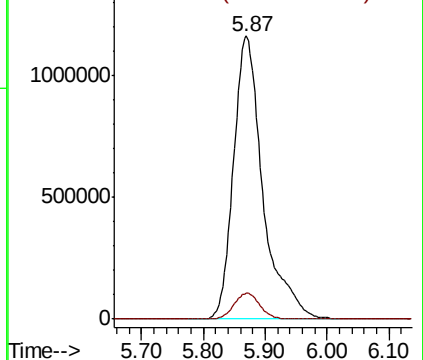
43 100

86 9.2 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.091 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

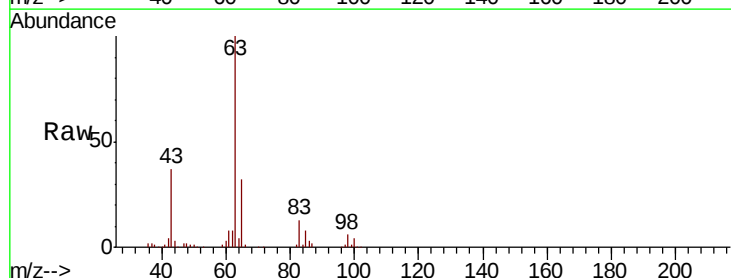
Tgt Ion: 63 Resp: 491039

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

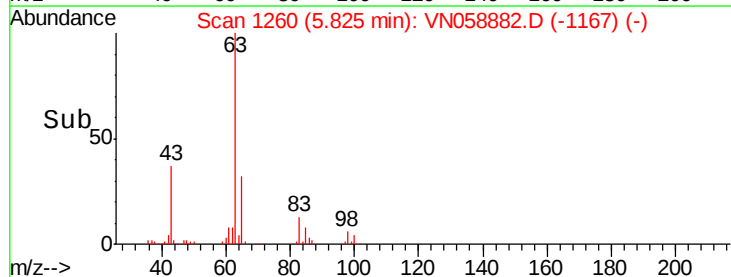
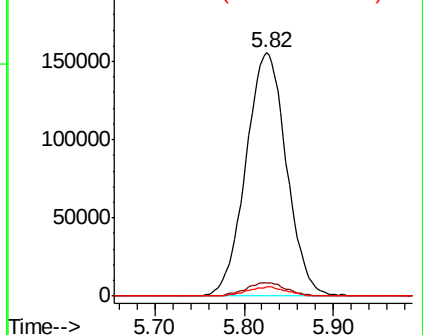
100 3.7 1.9 5.7

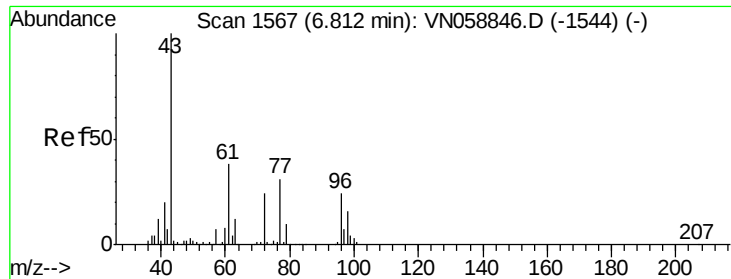


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

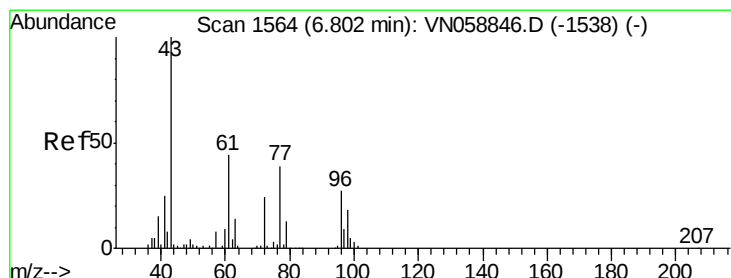
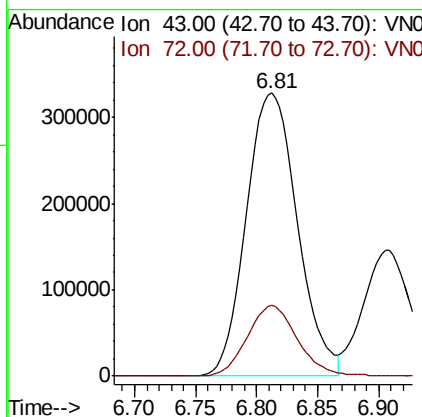
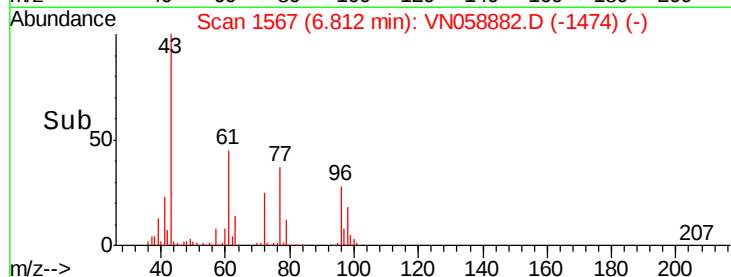
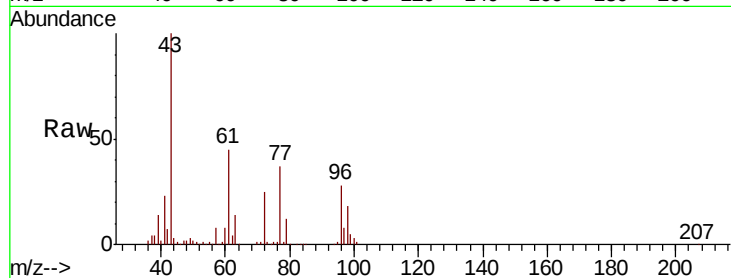




#25
2-Butanone
Concen: 229.011 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

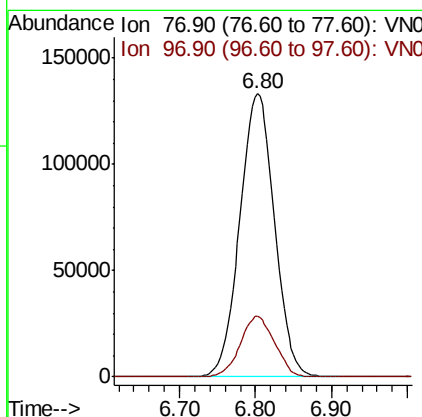
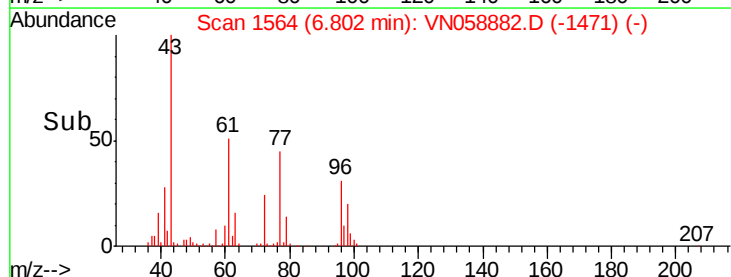
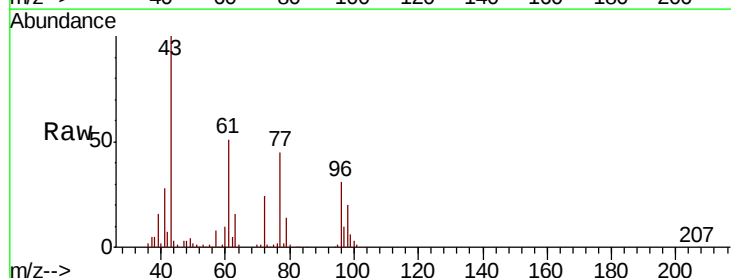
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

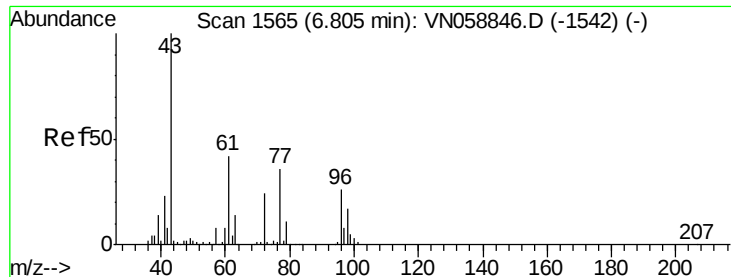
Tot Ion: 43 Resp: 952540
Ion Ratio Lower Upper
43 100
72 25.0 19.1 28.7



#26
2,2-Dichloropropane
Concen: 48.829 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion: 77 Resp: 422465
Ion Ratio Lower Upper
77 100
97 21.2 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 50.215 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MS

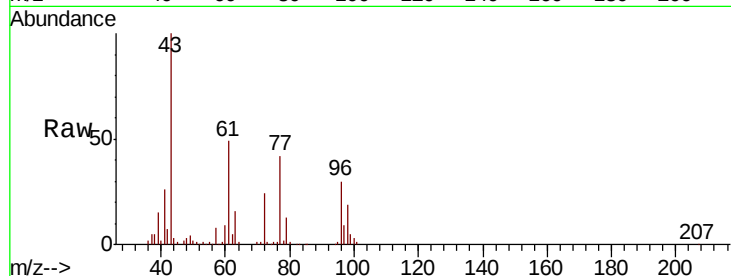
Tot Ion: 96 Resp: 276107

Ion Ratio Lower Upper

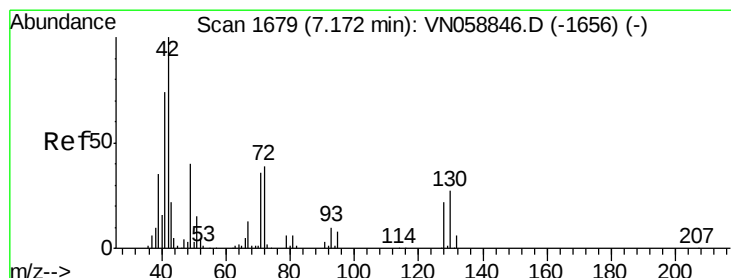
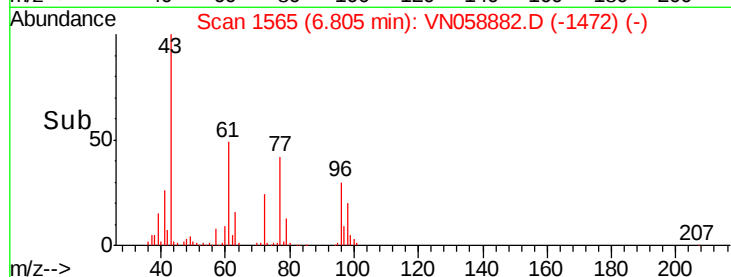
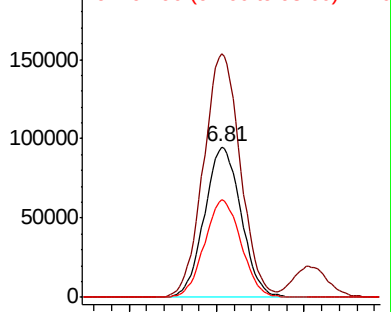
96 100

61 162.4 0.0 325.0

98 64.7 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#28

Bromochloromethane

Concen: 48.892 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

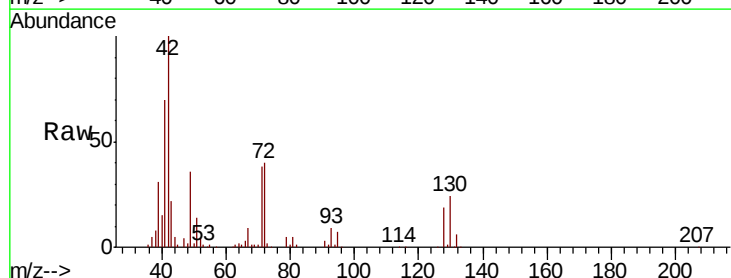
Tgt Ion: 49 Resp: 162874

Ion Ratio Lower Upper

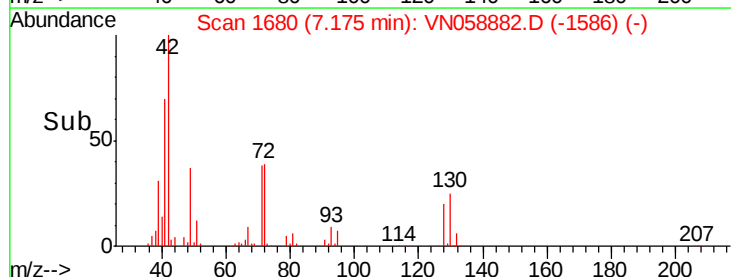
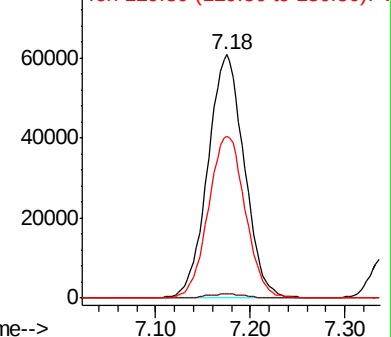
49 100

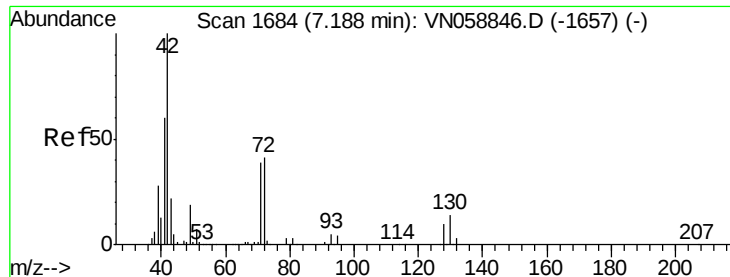
129 1.7 0.0 3.2

130 67.2 53.5 80.3



Abundance Ion 48.90 (48.60 to 49.60): VNO
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

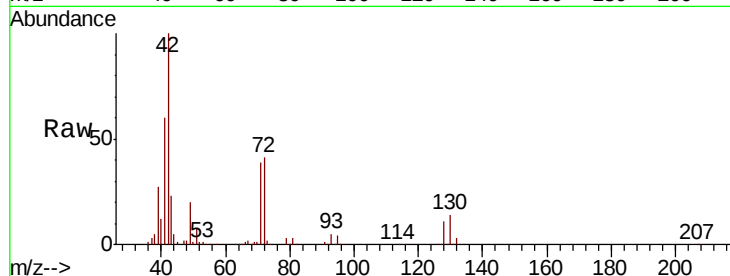




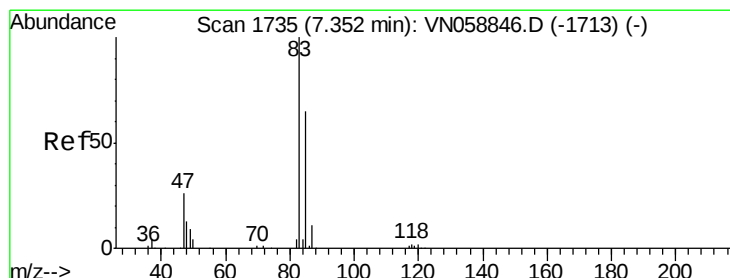
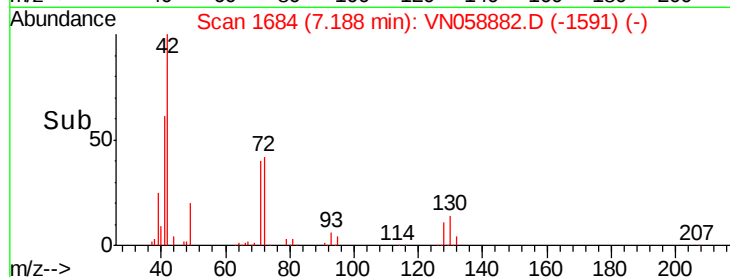
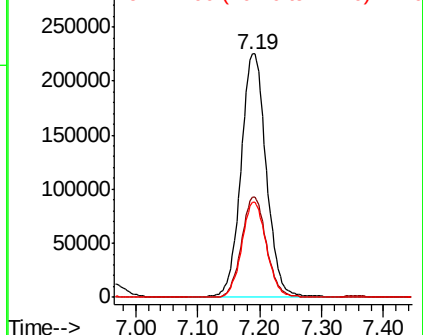
#29
Tetrahydrofuran
Concen: 251.054 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

Tot Ion: 42 Resp: 638788
Ion Ratio Lower Upper
42 100
72 40.6 32.2 48.2
71 38.1 30.6 45.8

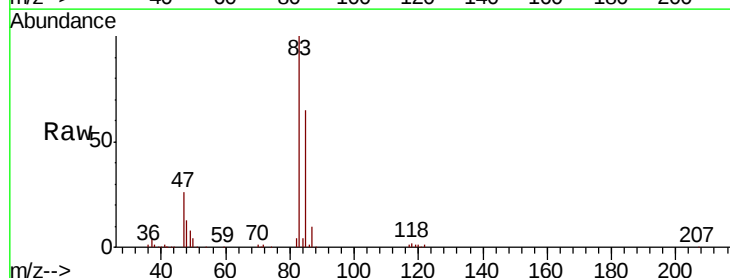


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

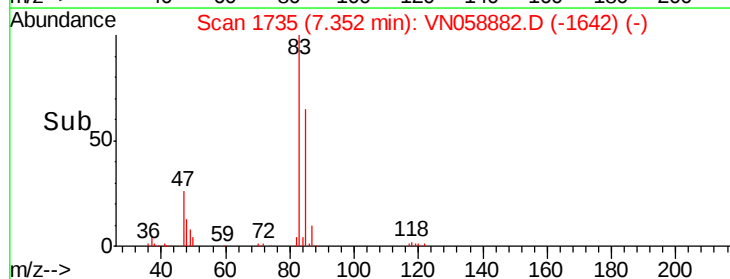
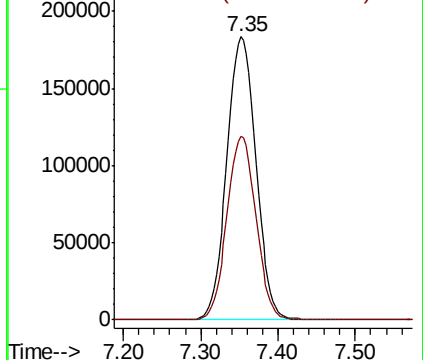


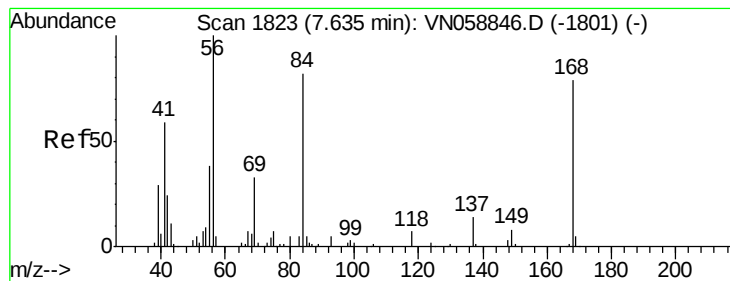
#30
Chloroform
Concen: 47.839 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion: 83 Resp: 480004
Ion Ratio Lower Upper
83 100
85 64.7 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: 47.749 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MS

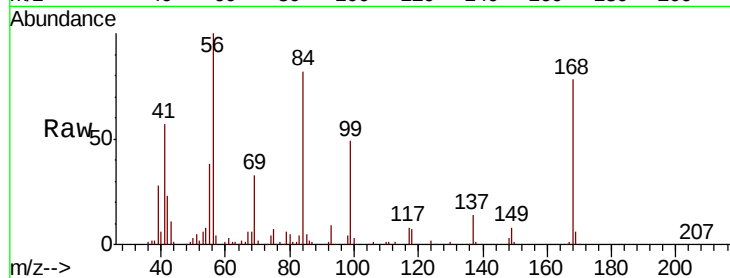
Tot Ion: 56 Resp: 444950

Ion Ratio Lower Upper

56 100

69 33.0 26.2 39.4

84 80.4 65.6 98.4

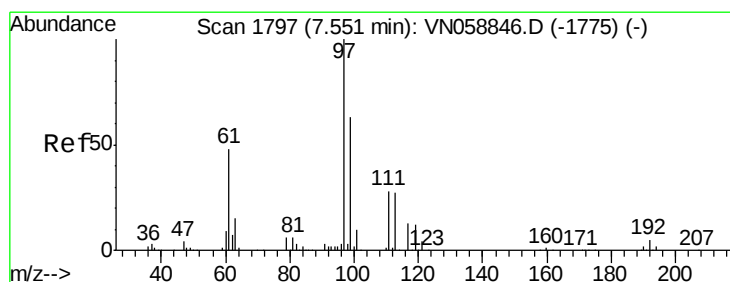
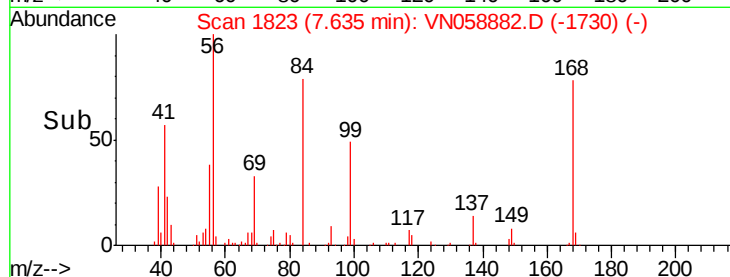
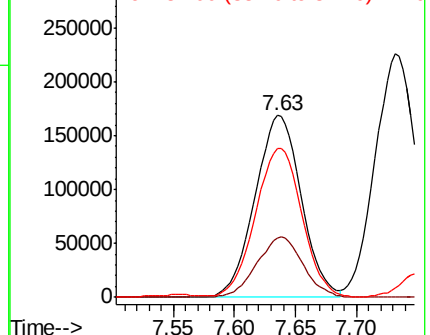


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 49.642 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

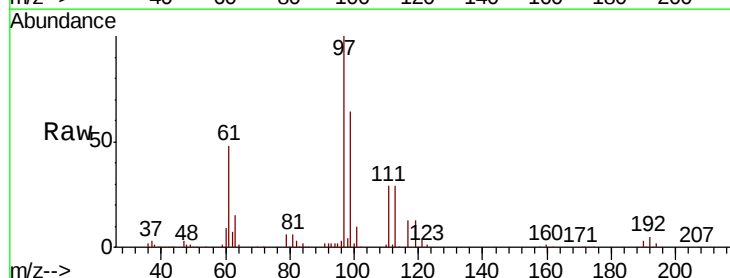
Tgt Ion: 97 Resp: 419840

Ion Ratio Lower Upper

97 100

99 63.6 51.0 76.4

61 47.3 38.6 58.0

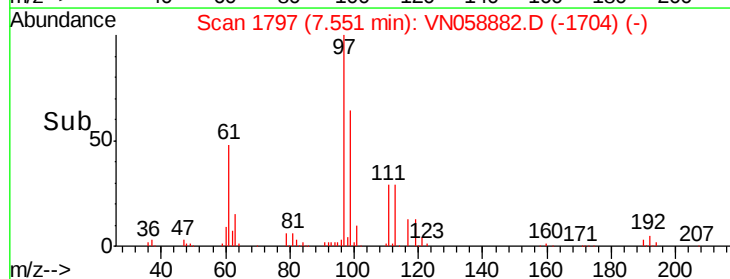
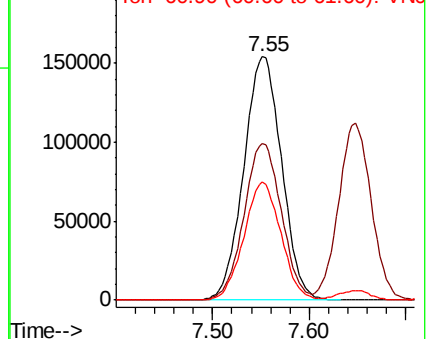


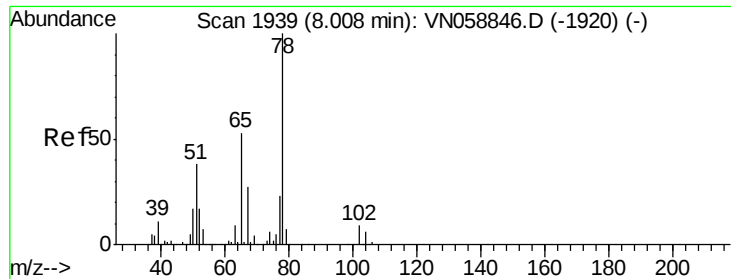
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

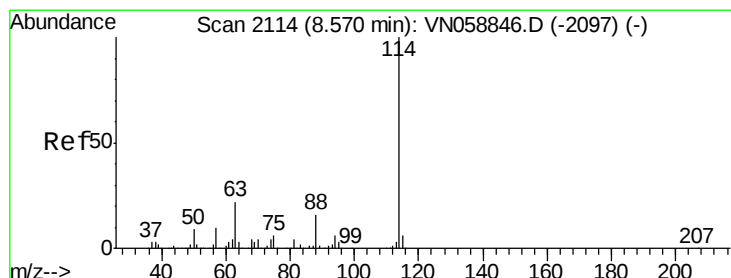
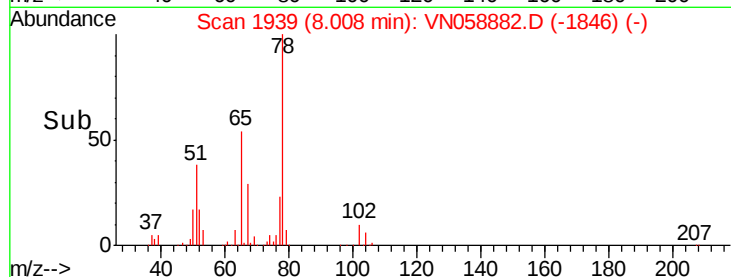
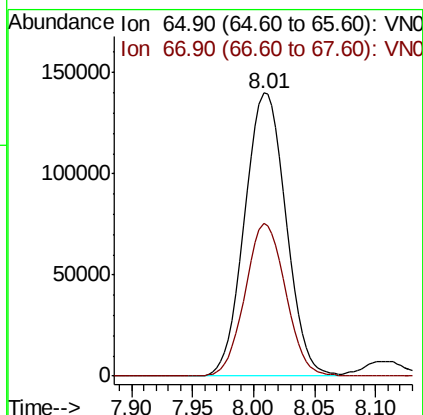
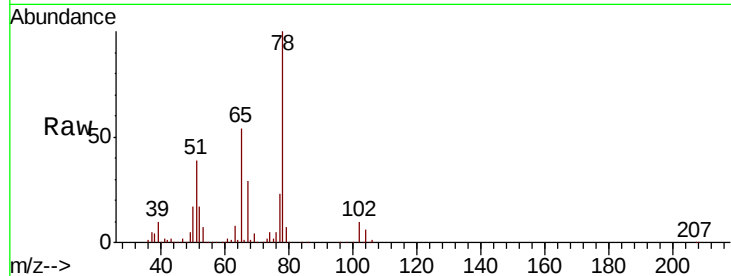




#33
 1,2-Dichloroethane-d4
 Concen: 50.777 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

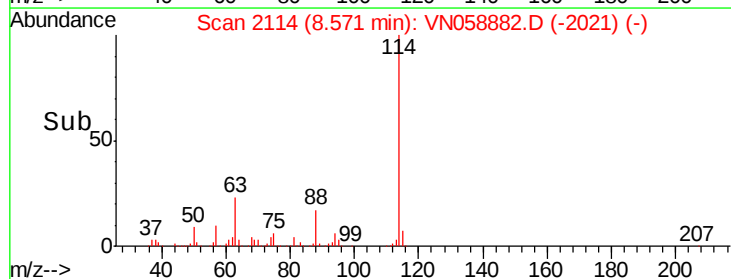
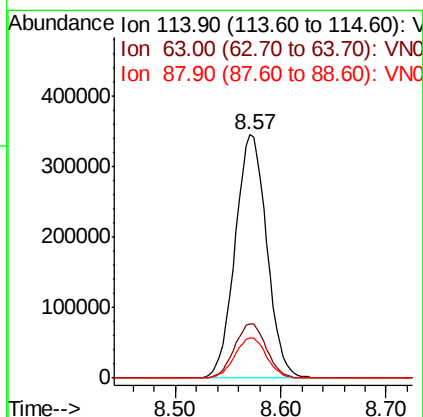
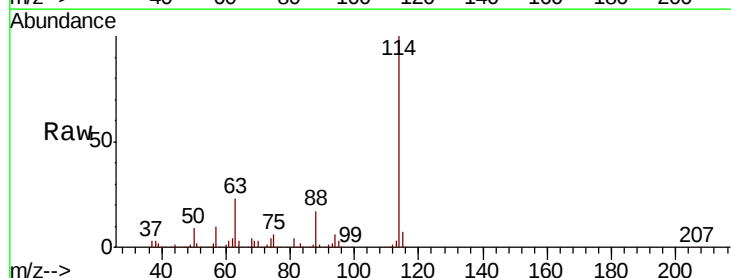
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MS

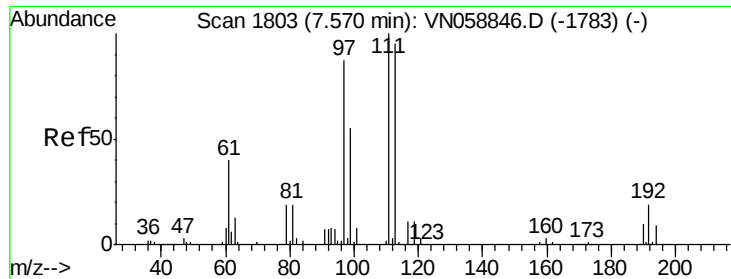
Tot Ion: 65 Resp: 329254
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Tgt Ion: 114 Resp: 718092
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.4
 88 16.5 0.0 31.4

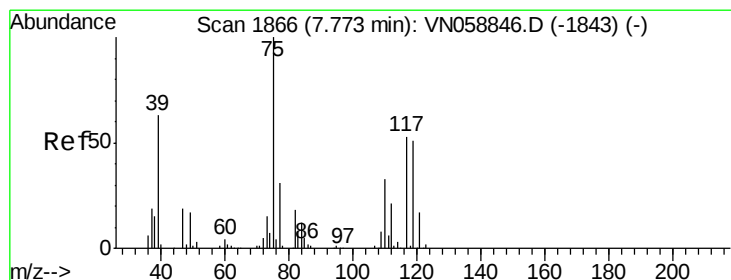
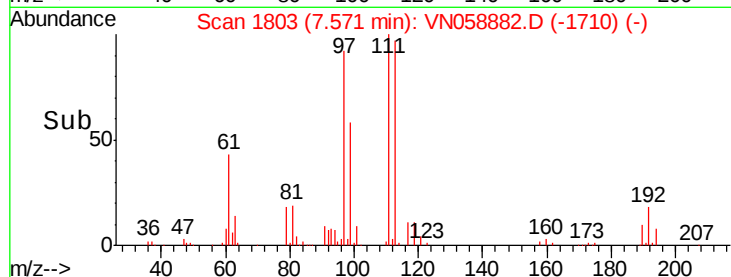
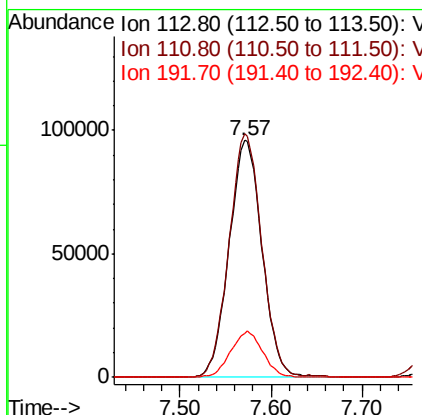
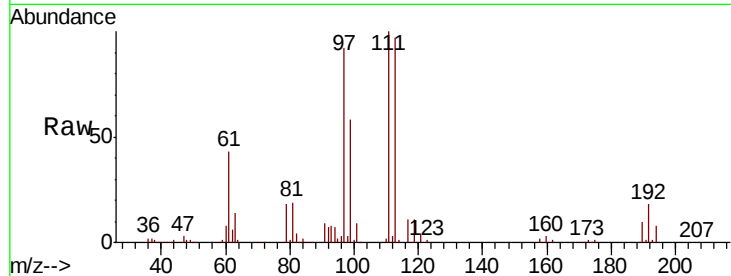




#35
 Dibromofluoromethane
 Concen: 51.016 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

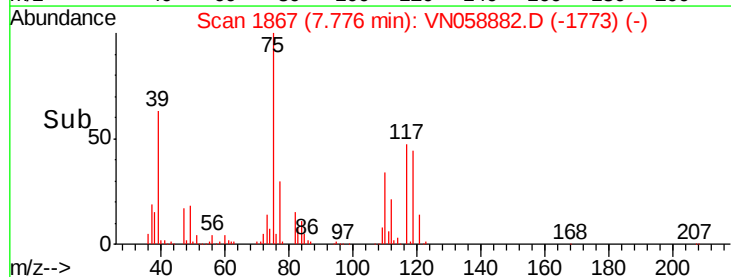
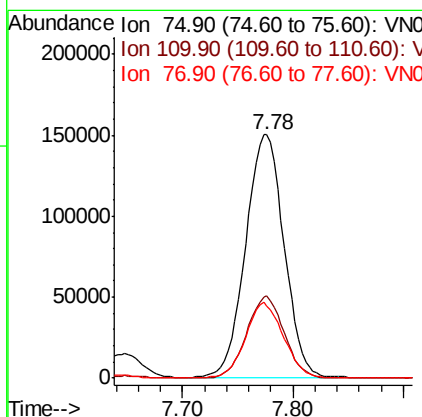
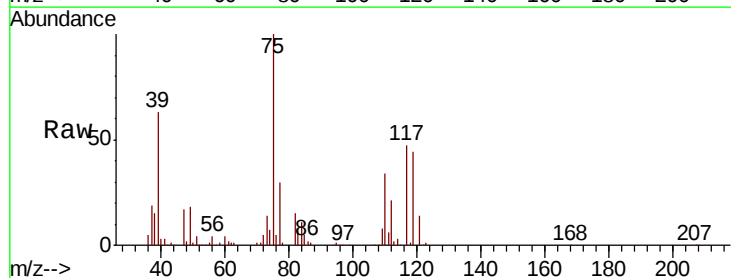
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MS

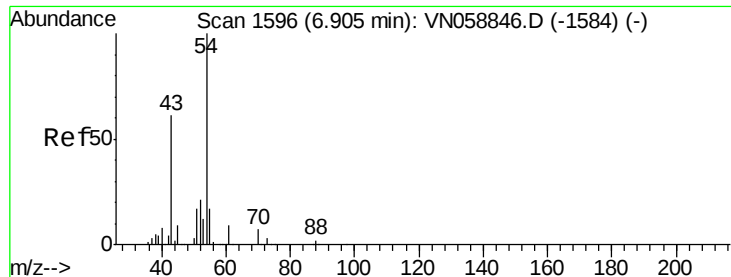
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.0	123.0
192	19.0	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 49.311 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.3	48.9
77	30.8	24.6	36.8

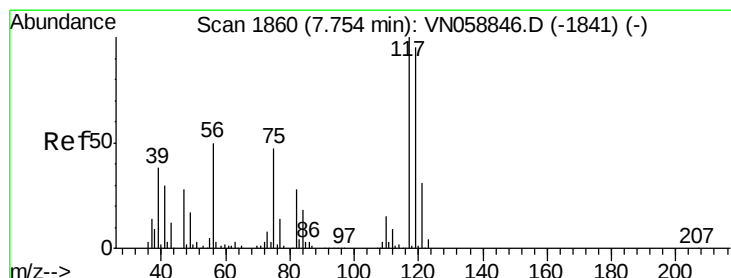
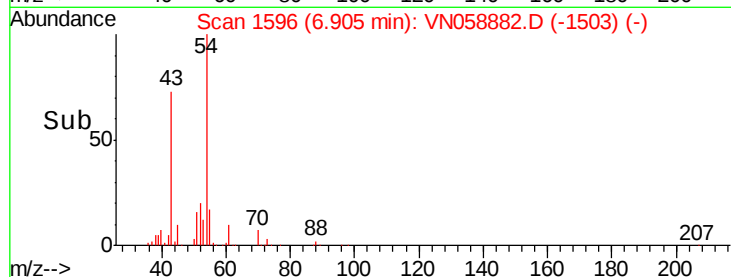
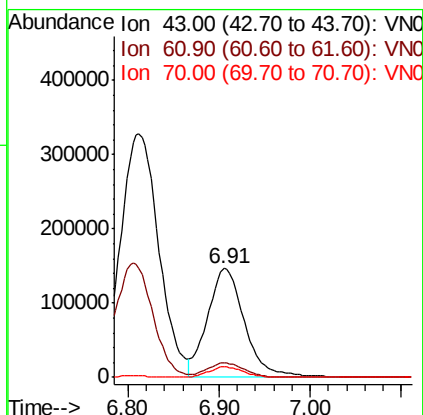
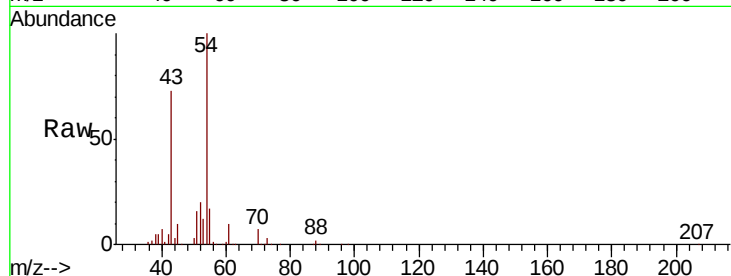




#37
Ethyl Acetate
Concen: 50.901 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

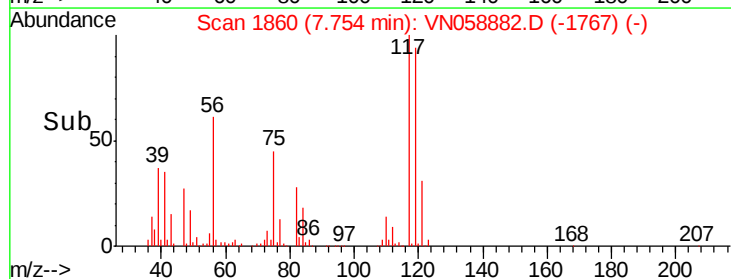
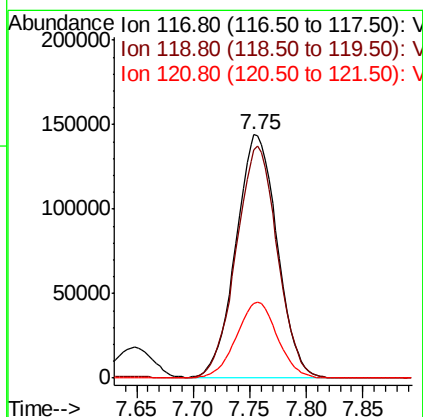
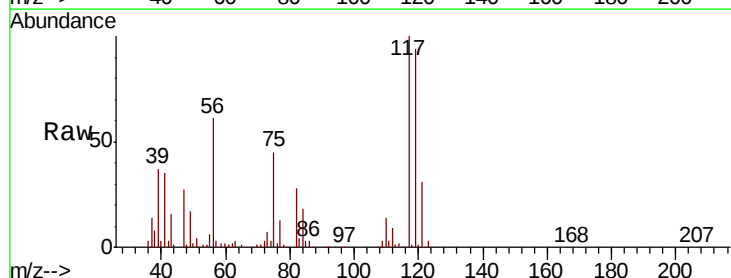
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

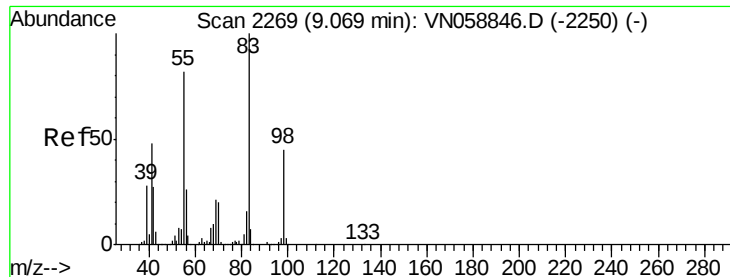
Tot Ion: 43 Resp: 407750
Ion Ratio Lower Upper
43 100
61 13.3 10.5 15.7
70 9.4 7.6 11.4



#38
Carbon Tetrachloride
Concen: 48.269 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion: 117 Resp: 365577
Ion Ratio Lower Upper
117 100
119 93.9 75.7 113.5
121 30.9 25.0 37.6

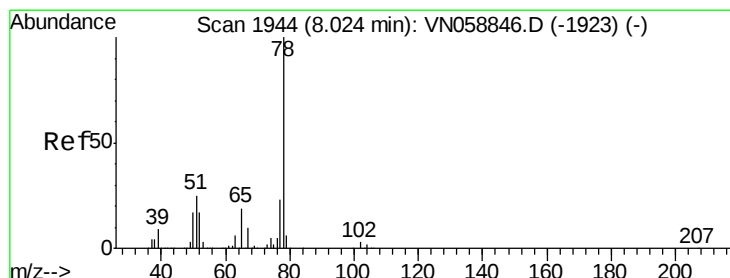
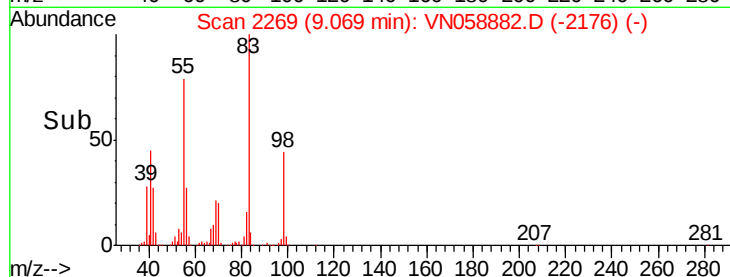
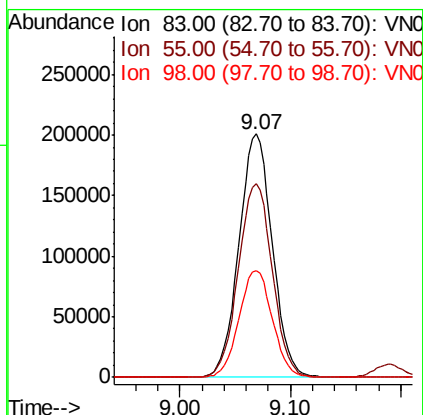
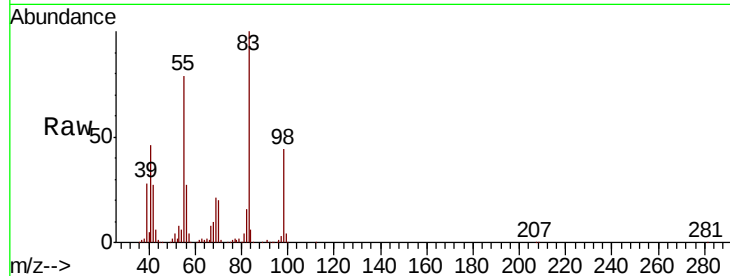




#39
Methvlcvclohexane
Concen: 50.980 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

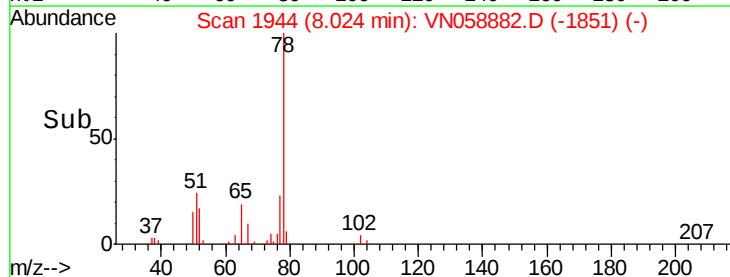
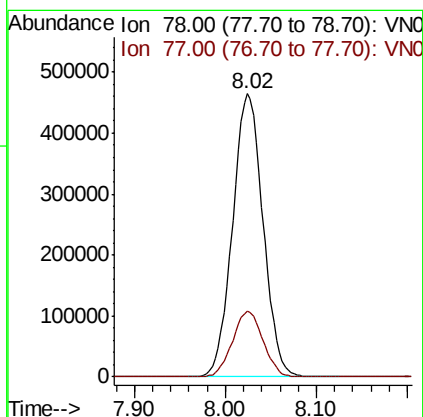
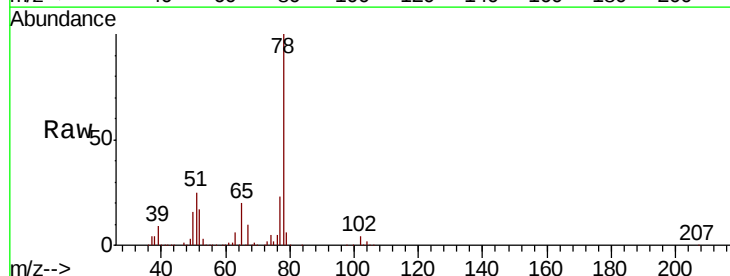
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

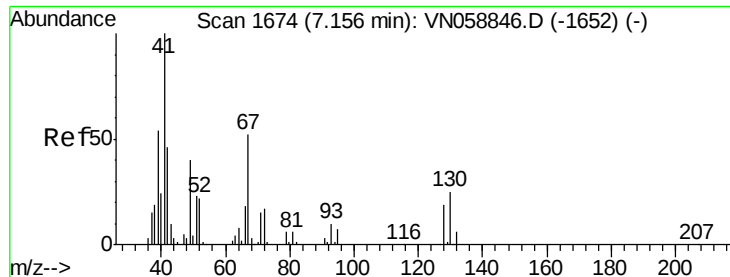
Tot Ion: 83 Resp: 420834
Ion Ratio Lower Upper
83 100
55 79.4 65.5 98.3
98 44.0 35.7 53.5



#40
Benzene
Concen: 49.996 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion: 78 Resp: 1079331
Ion Ratio Lower Upper
78 100
77 23.1 18.2 27.2

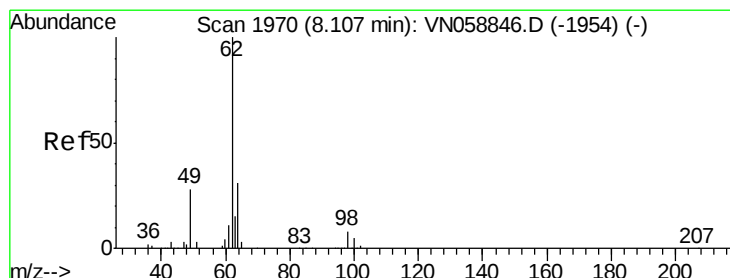
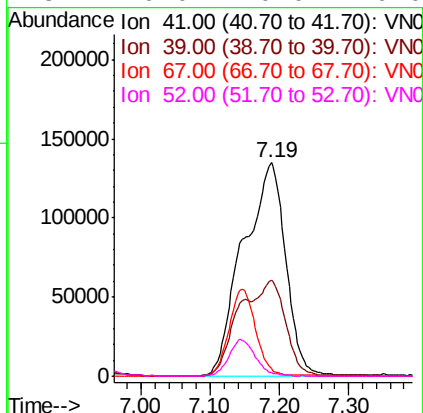
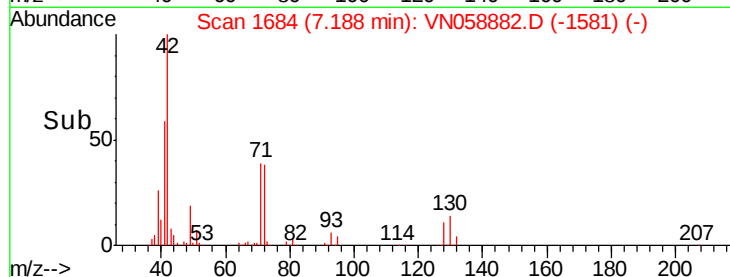
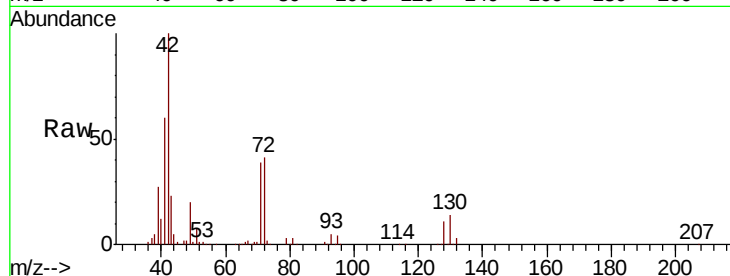




#41
Methacrylonitrile
Concen: 161.098 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

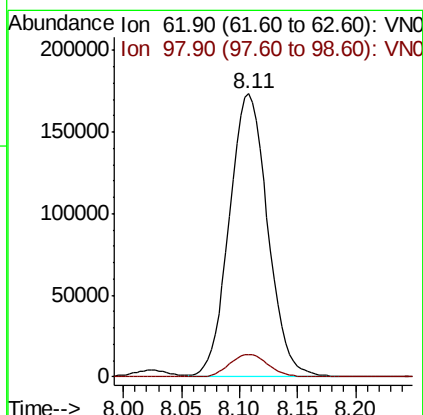
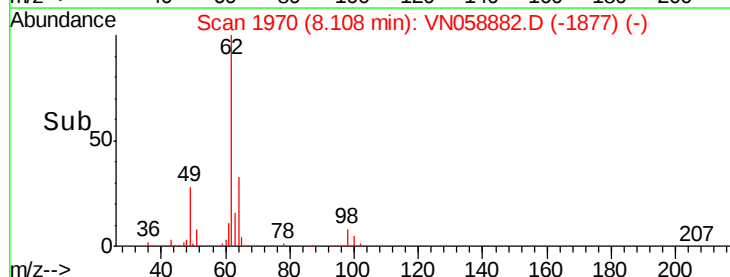
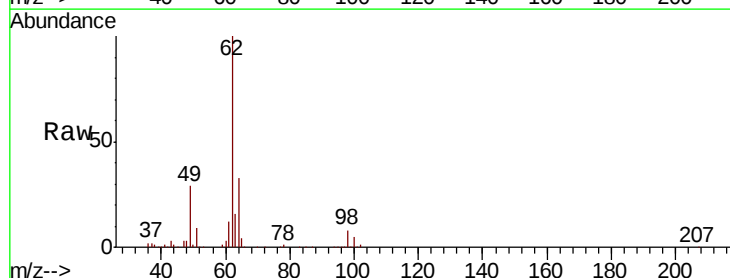
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

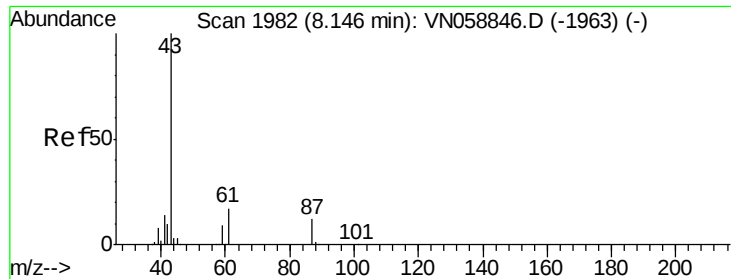
Tot Ion:	41	Resp:	574761
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 47.684 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion:	62	Resp:	396543
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.2





#43

Isopropyl Acetate

Concen: 50.182 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MS

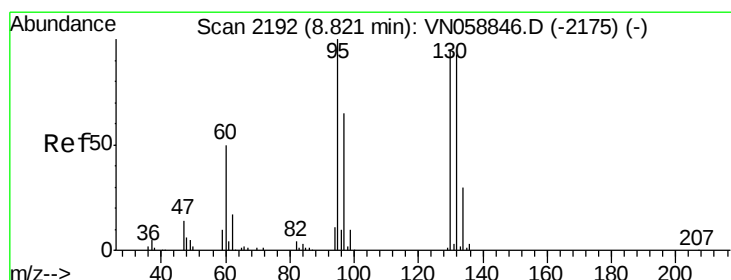
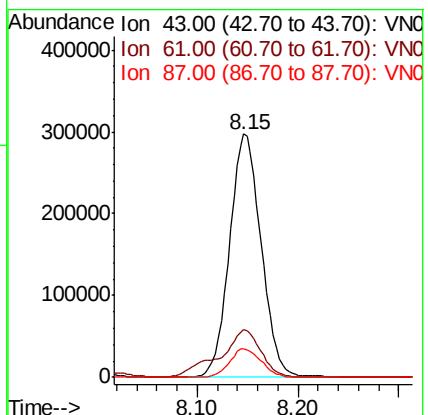
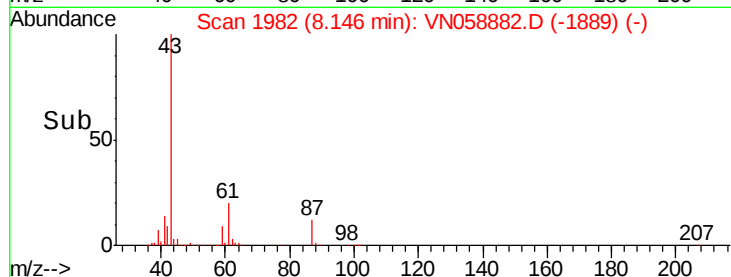
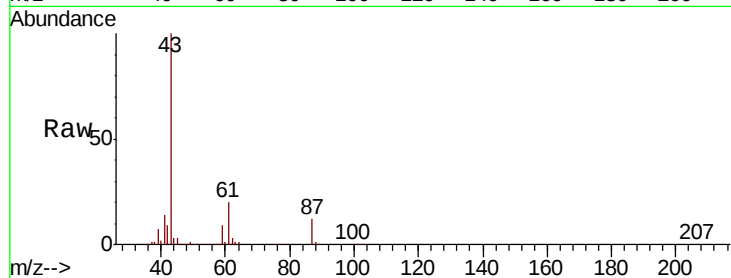
Tot Ion: 43 Resp: 644695

Ion Ratio Lower Upper

43 100

61 25.6 20.2 30.2

87 11.8 9.5 14.3



#44

Trichloroethene

Concen: 48.759 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN058882.D

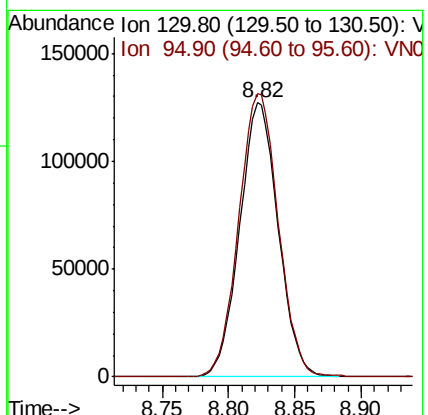
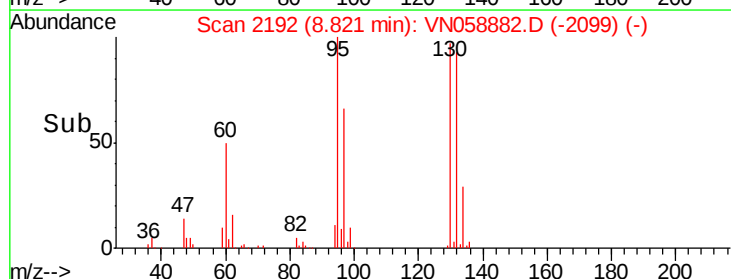
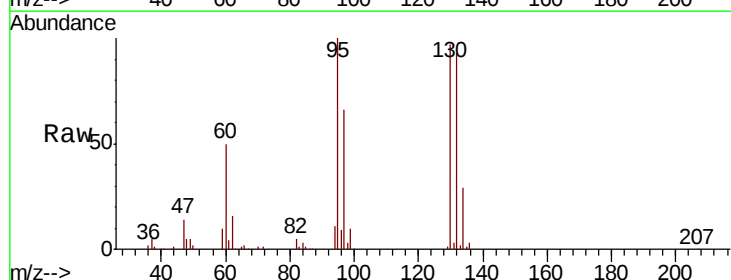
Acq: 21 Oct 2019 12:55

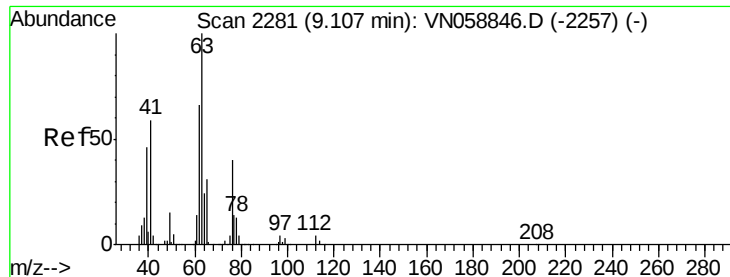
Tgt Ion: 130 Resp: 256418

Ion Ratio Lower Upper

130 100

95 103.3 0.0 209.6





#45

1,2-Dichloropropane

Concen: 49.973 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

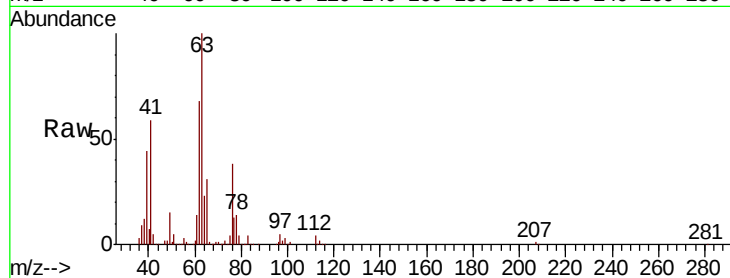
FA19-MMW0422MS

Tot Ion: 63 Resp: 295833

Ion Ratio Lower Upper

63 100

65 30.9 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN058882.D (-2188) (-)

Ion 64.90 (64.60 to 65.60): VN058882.D (-2188) (-)

9.11

150000

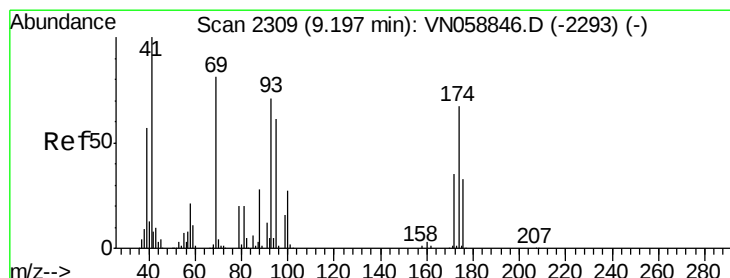
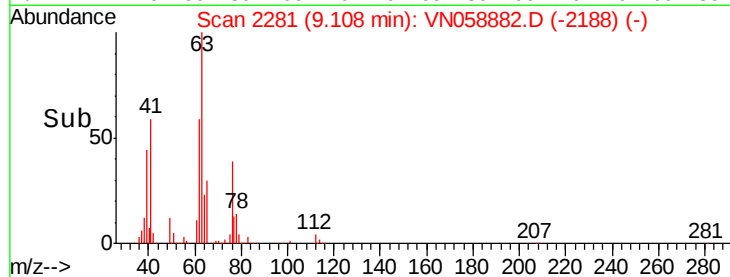
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 48.766 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

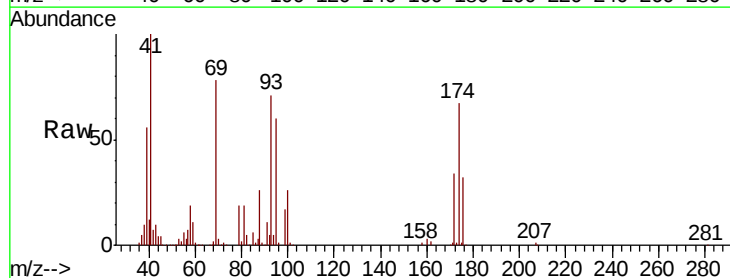
Tgt Ion: 93 Resp: 182502

Ion Ratio Lower Upper

93 100

95 83.5 67.6 101.4

174 93.6 74.1 111.1



Abundance Ion 92.80 (92.50 to 93.50): VN058882.D (-2216) (-)

Ion 94.80 (94.50 to 95.50): VN058882.D (-2216) (-)

Ion 173.70 (173.40 to 174.40): VN058882.D (-2216) (-)

120000

100000

80000

60000

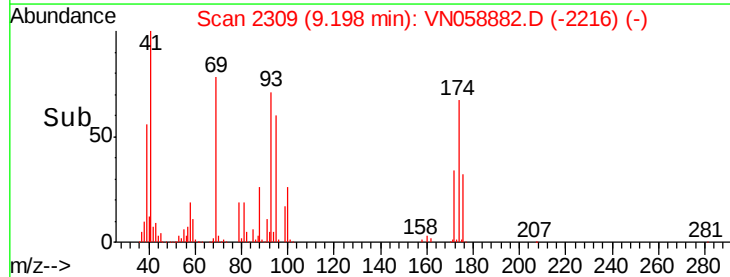
40000

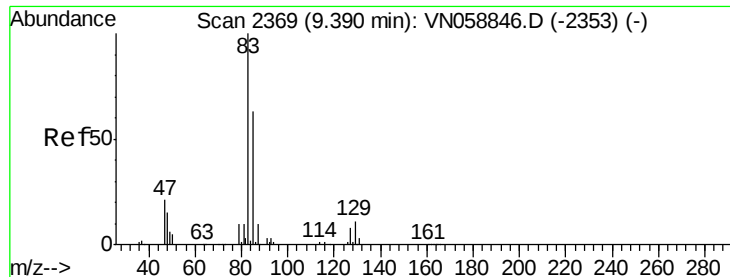
20000

0

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 49.311 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MS

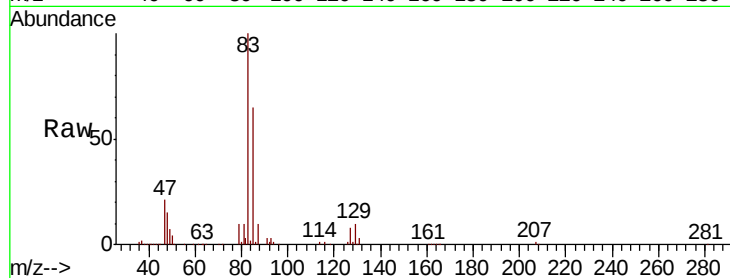
Tot Ion: 83 Resp: 380350

Ion Ratio Lower Upper

83 100

85 64.9 50.6 75.8

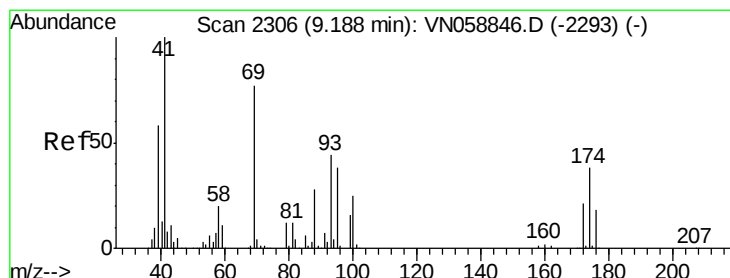
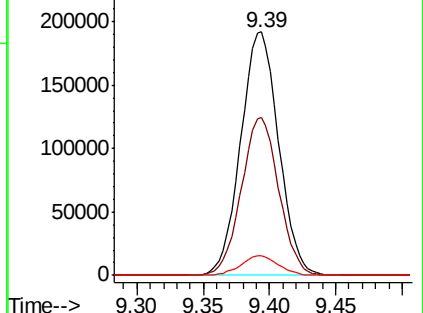
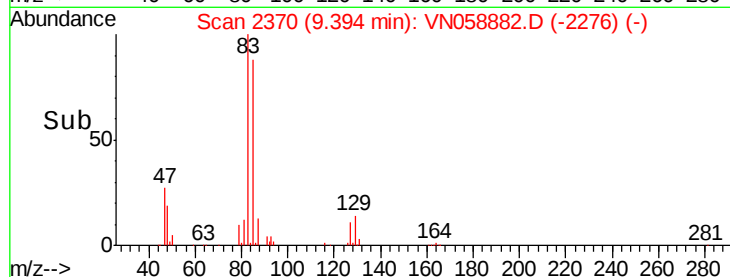
127 8.1 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN058882.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN058882.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN058882.D (-2276) (-)



#48

Methyl methacrylate

Concen: 51.512 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

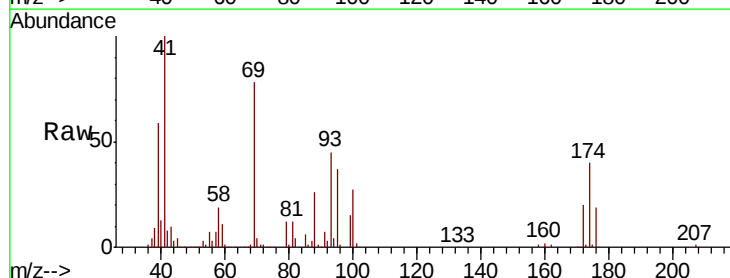
Tgt Ion: 41 Resp: 300257

Ion Ratio Lower Upper

41 100

69 80.2 63.8 95.6

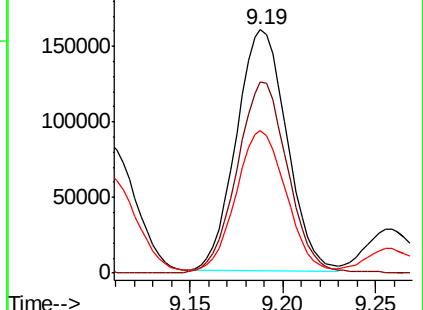
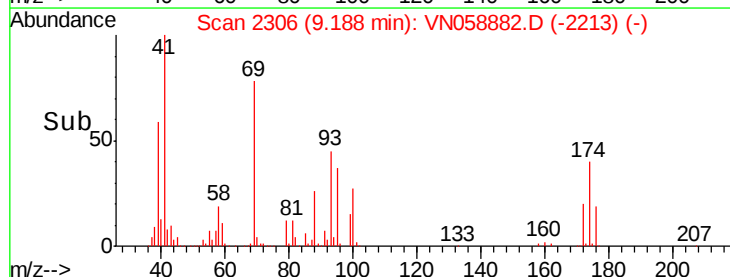
39 59.0 47.8 71.8

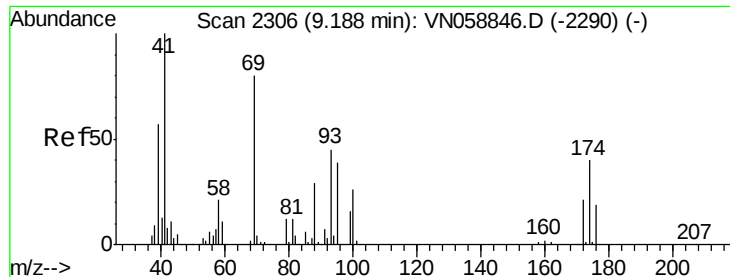


Abundance Ion 41.00 (40.70 to 41.70): VN058882.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN058882.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN058882.D (-2213) (-)

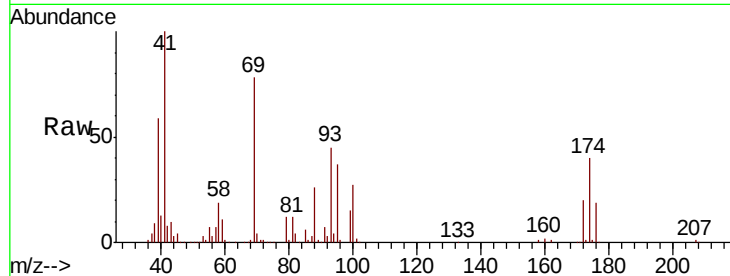




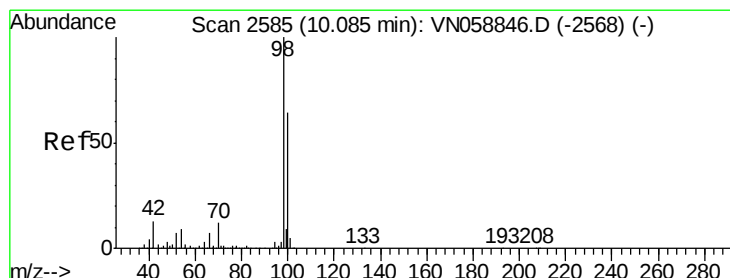
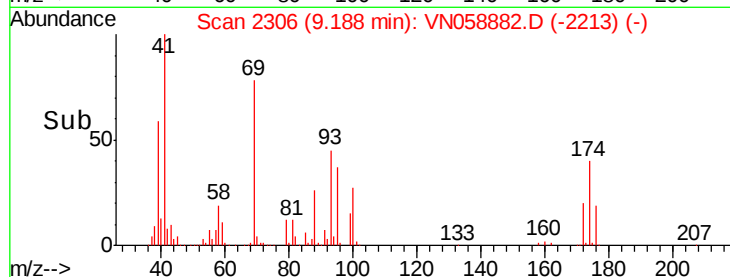
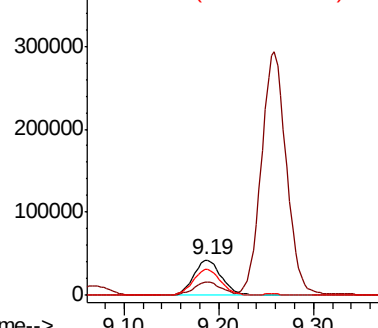
#49
1,4-Dioxane
Concen: 915.925 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

Tot Ion: 88 Resp: 87640
Ion Ratio Lower Upper
88 100
43 36.6 29.1 43.7
58 72.7 59.4 89.0

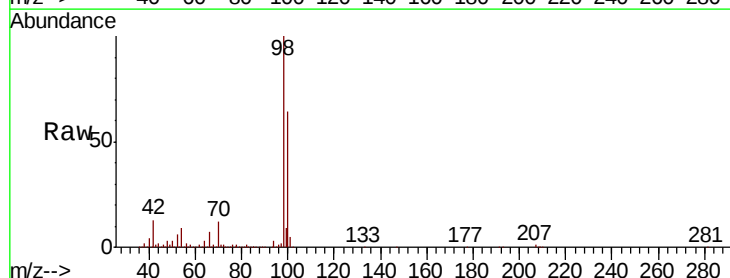


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

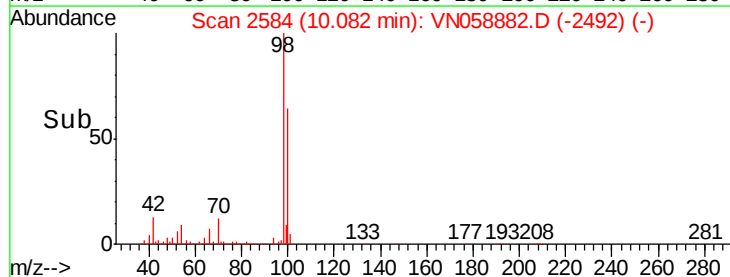
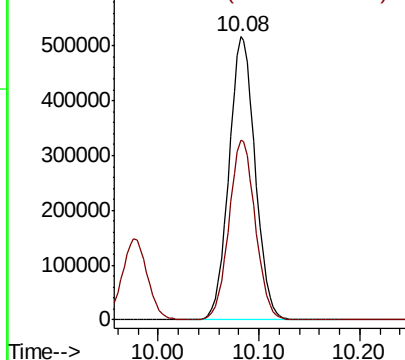


#50
Toluene-d8
Concen: 51.007 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion: 98 Resp: 934818
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

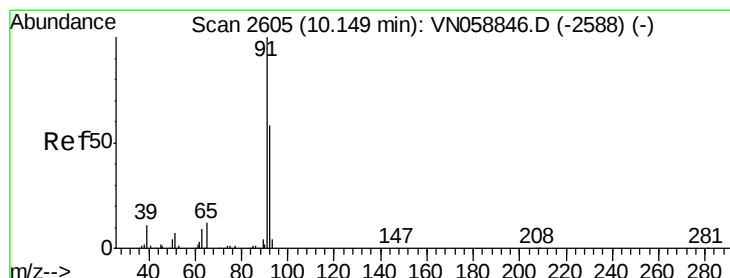
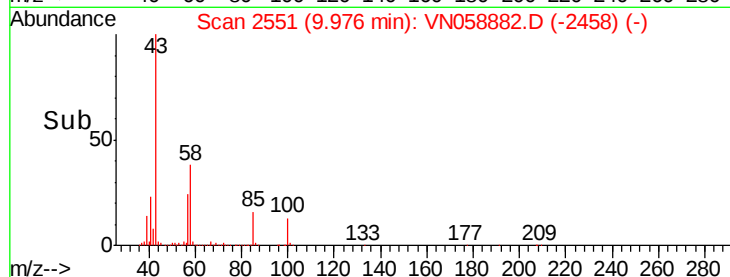
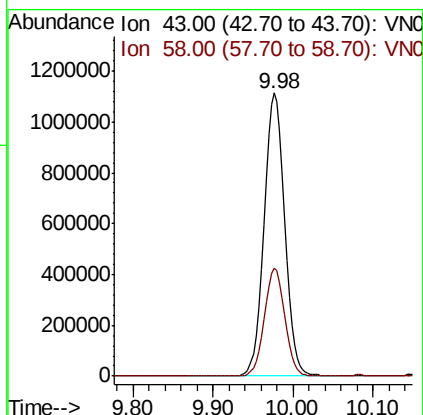
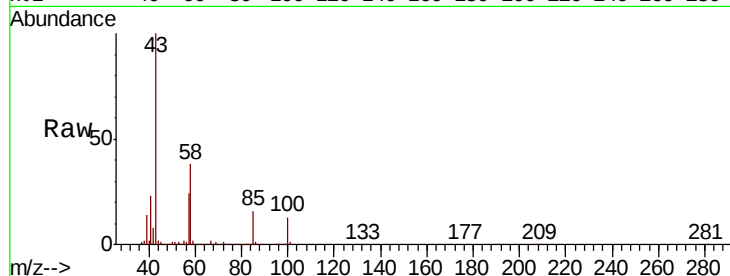




#51
 4-Methyl-2-Pentanone
 Concen: 265.914 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

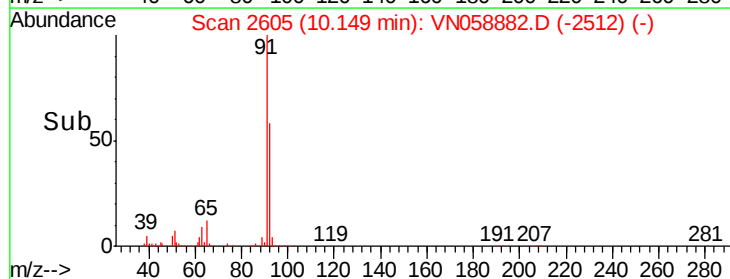
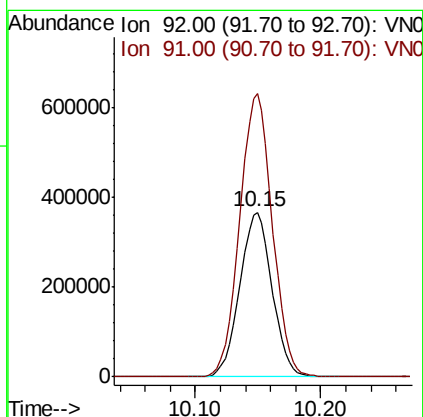
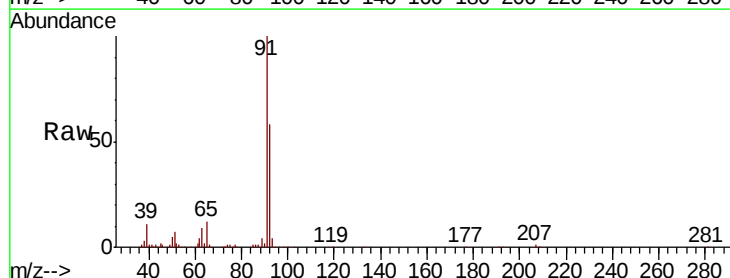
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MS

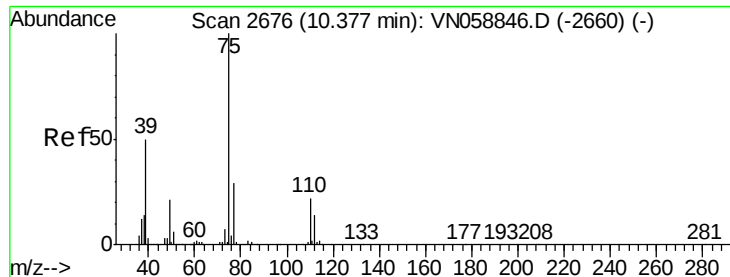
Tot Ion: 43 Resp: 1995418
 Ion Ratio Lower Upper
 43 100
 58 37.8 29.9 44.9



#52
 Toluene
 Concen: 51.306 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Tgt Ion: 92 Resp: 656829
 Ion Ratio Lower Upper
 92 100
 91 173.6 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 51.085 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

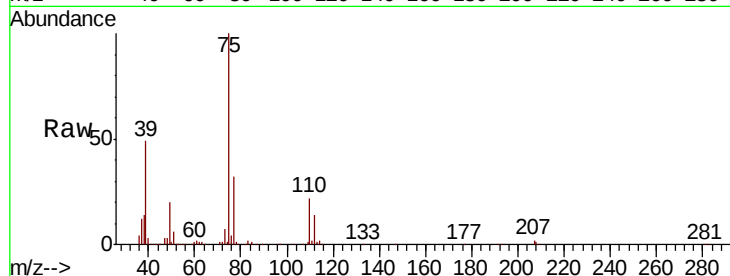
FA19-MMW0422MS

Tot Ion: 75 Resp: 436201

Ion Ratio Lower Upper

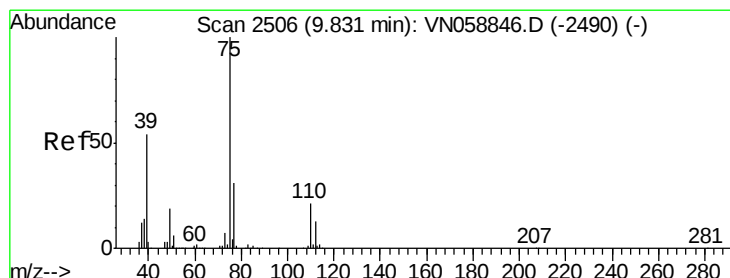
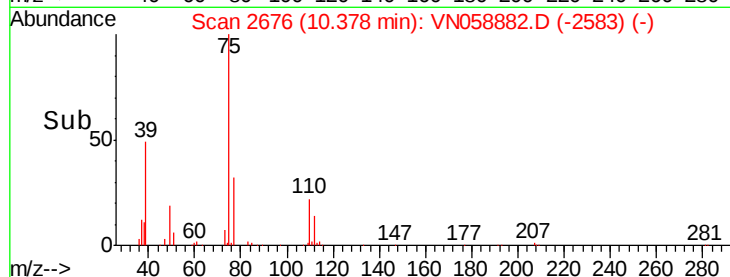
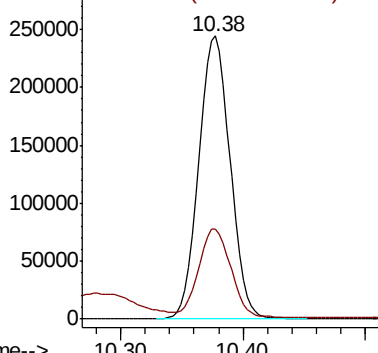
75 100

77 31.4 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 49.791 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

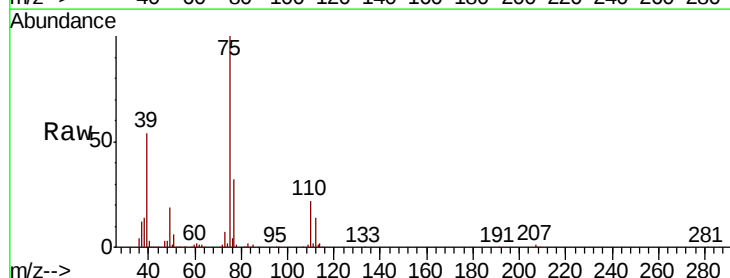
Tgt Ion: 75 Resp: 454225

Ion Ratio Lower Upper

75 100

77 32.2 24.7 37.1

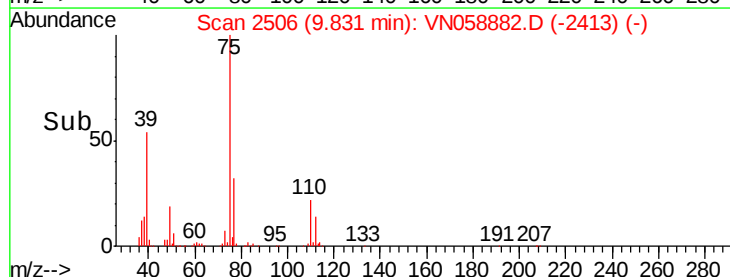
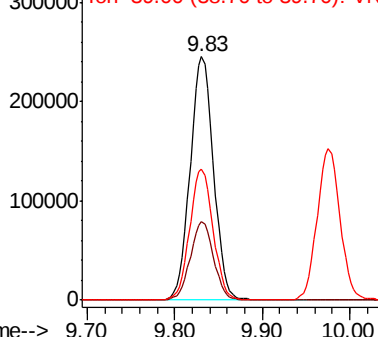
39 53.7 43.5 65.3

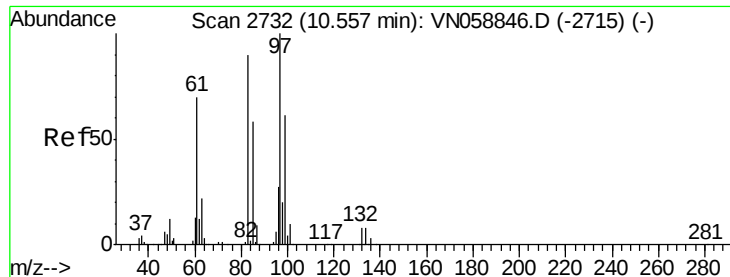


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

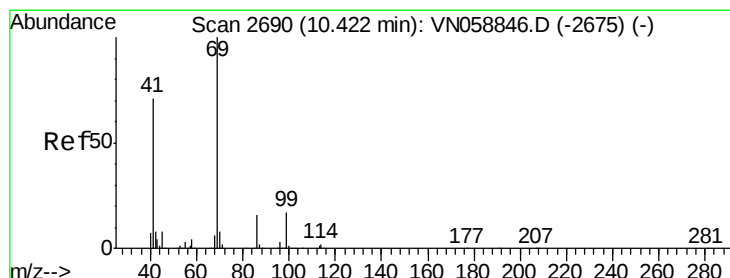
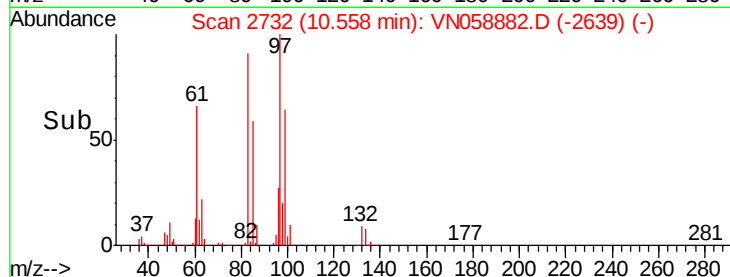
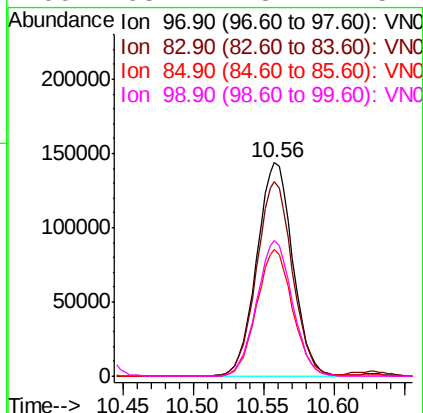
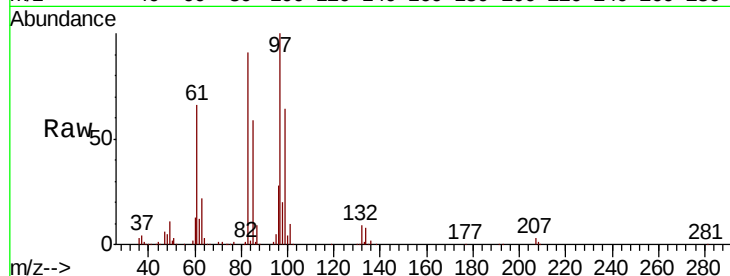




#55
 1,1,2-Trichloroethane
 Concen: 48.525 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

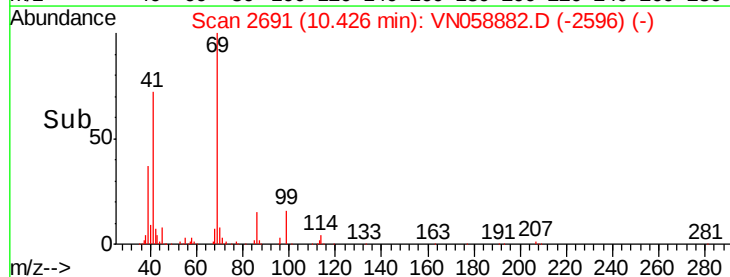
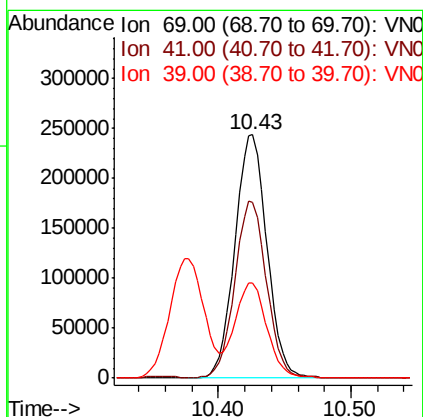
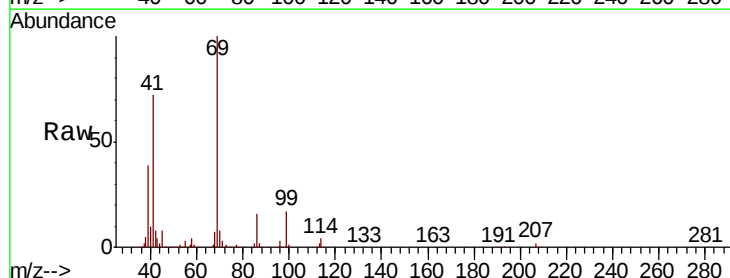
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MS

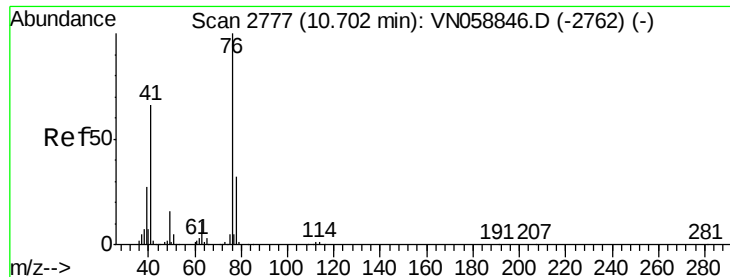
Tot Ion: 97 Resp: 255915
 Ion Ratio Lower Upper
 97 100
 83 91.2 72.2 108.4
 85 59.4 46.2 69.2
 99 63.7 48.7 73.1



#56
 Ethyl methacrylate
 Concen: 46.416 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Tgt Ion: 69 Resp: 409812
 Ion Ratio Lower Upper
 69 100
 41 71.4 57.2 85.8
 39 39.3 31.0 46.4





#57

1,3-Dichloropropane

Concen: 49.367 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

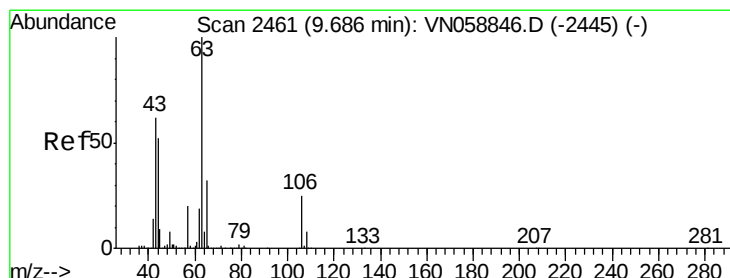
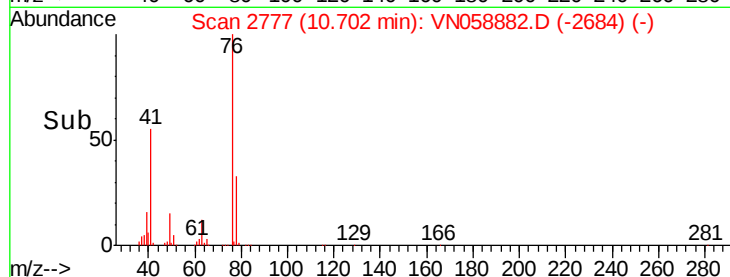
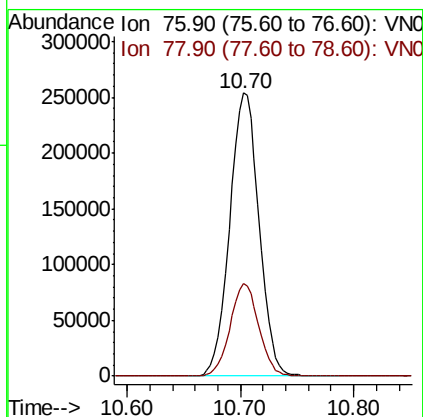
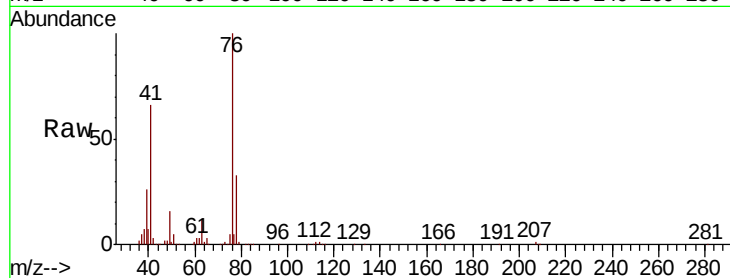
FA19-MMW0422MS

Tot Ion: 76 Resp: 456960

Ion Ratio Lower Upper

76 100

78 32.1 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 5.689 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.01 min

Lab File: VN058882.D

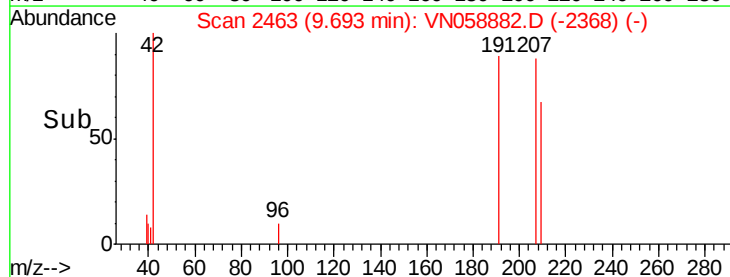
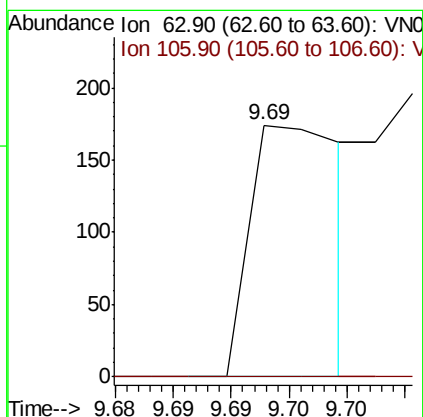
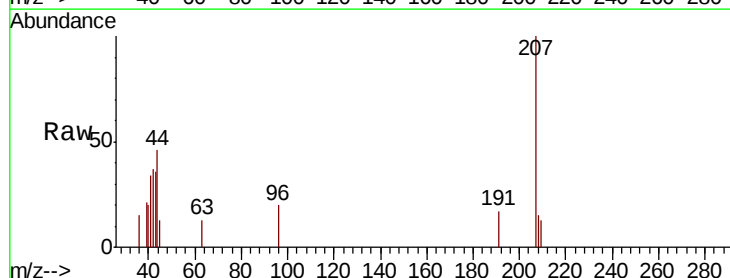
Acq: 21 Oct 2019 12:55

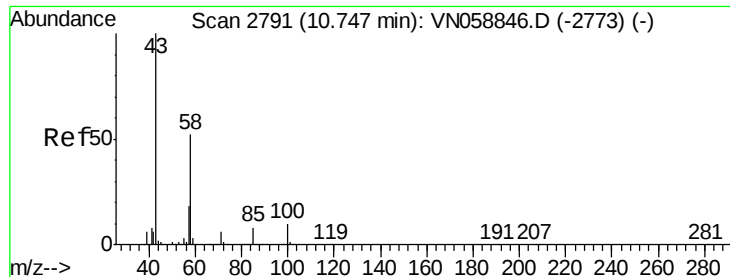
Tgt Ion: 63 Resp: 98

Ion Ratio Lower Upper

63 100

106 0.0 19.8 29.8#

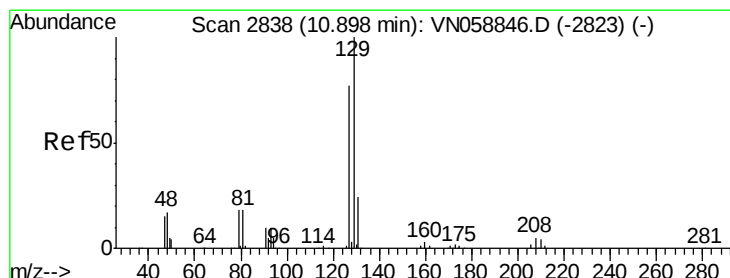
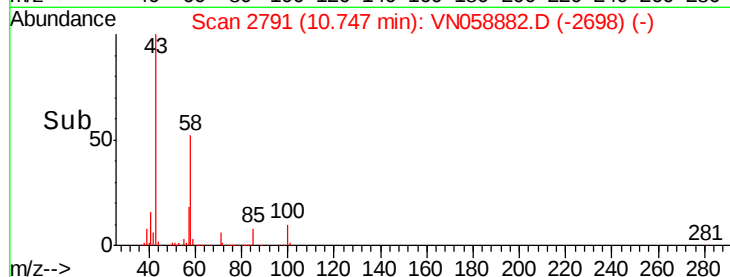
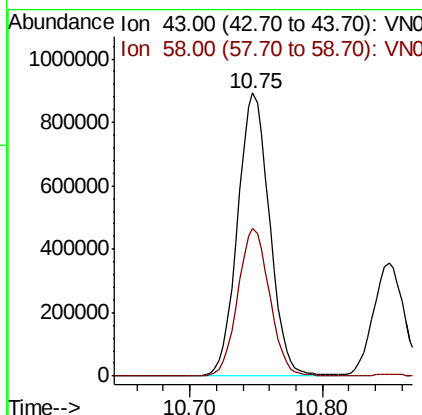
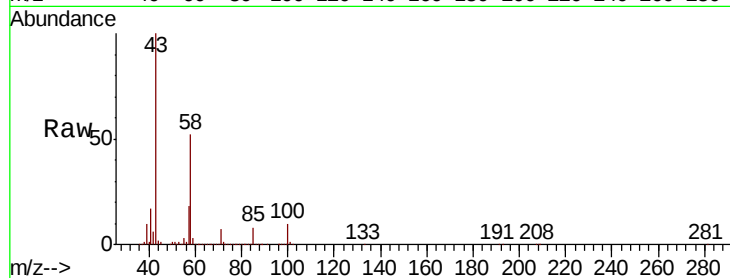




#59
2-Hexanone
Concen: 257.112 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

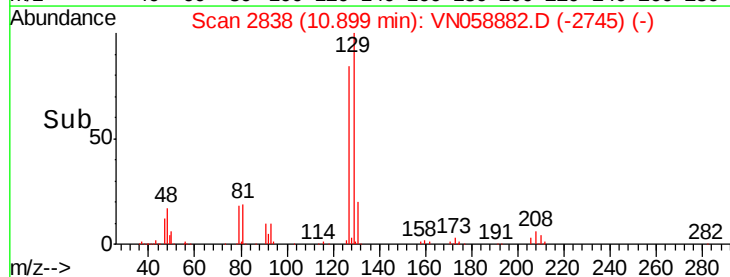
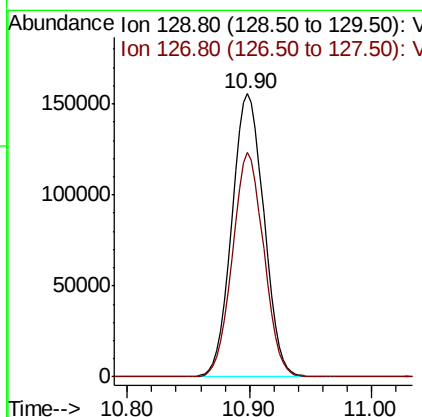
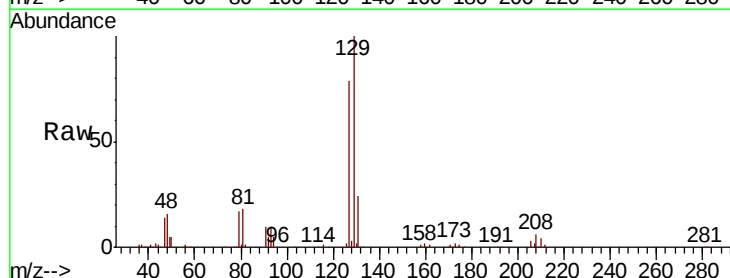
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

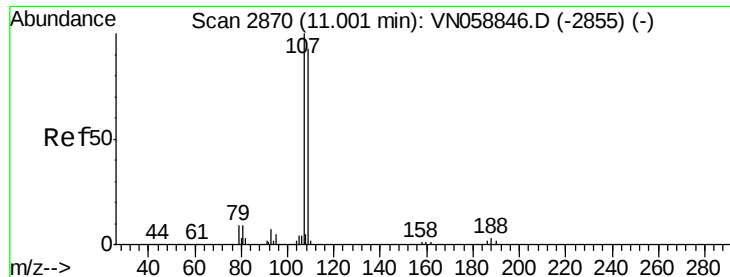
Tot Ion: 43 Resp: 1490886
Ion Ratio Lower Upper
43 100
58 52.3 25.9 77.7



#60
Dibromochloromethane
Concen: 49.925 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion: 129 Resp: 283406
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.3





#61

1,2-Dibromoethane

Concen: 50.068 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

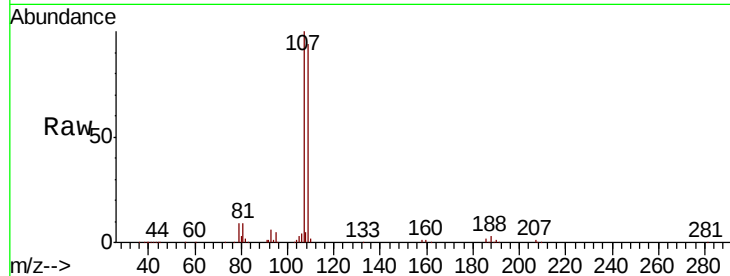
FA19-MMW0422MS

Tot Ion:107 Resp: 270227

Ion Ratio Lower Upper

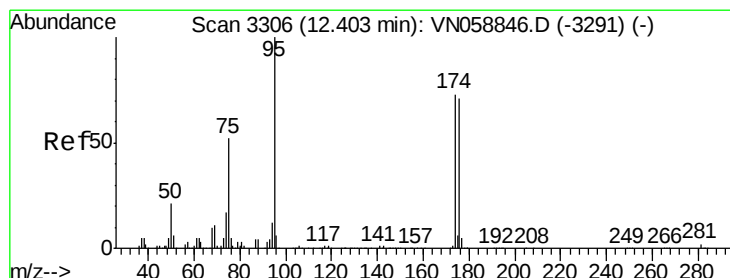
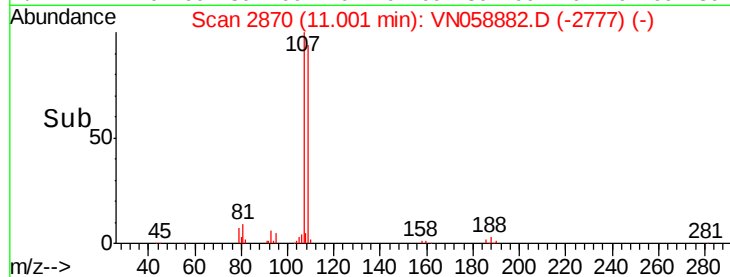
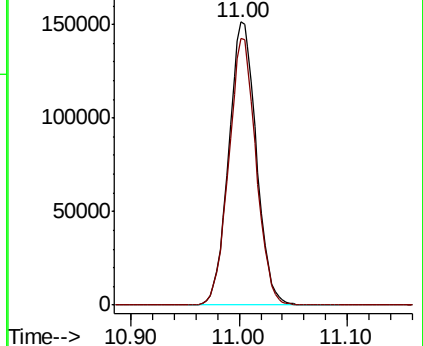
107 100

109 93.3 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: 51.009 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

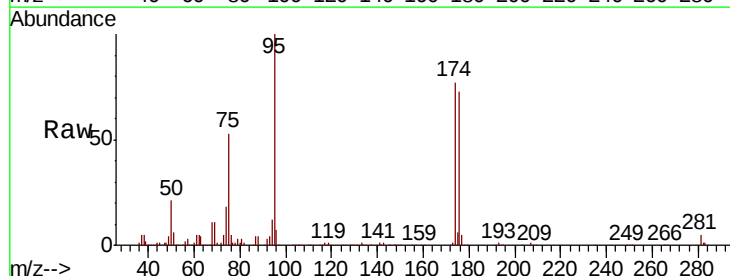
Tgt Ion: 95 Resp: 343305

Ion Ratio Lower Upper

95 100

174 75.5 0.0 147.6

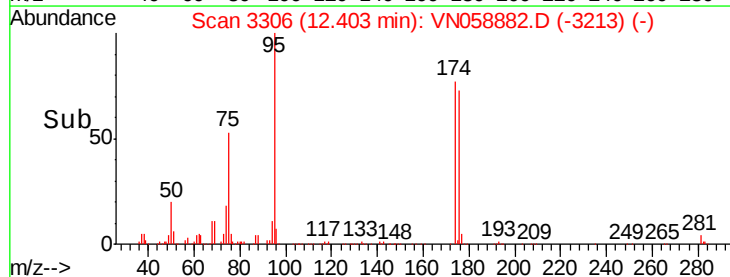
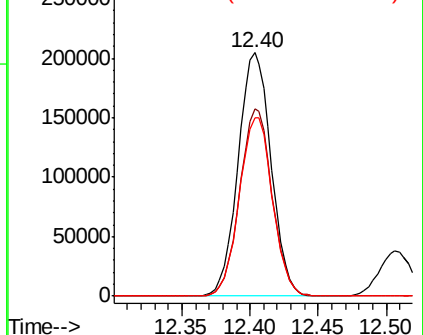
176 73.8 0.0 143.2

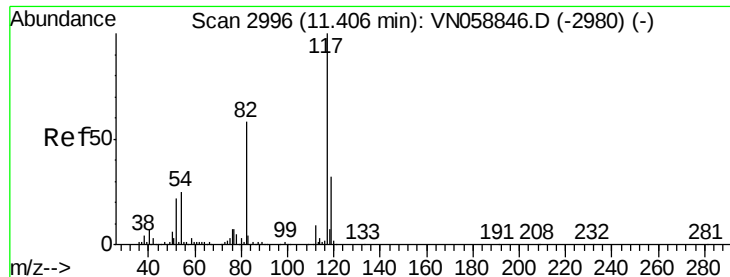


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

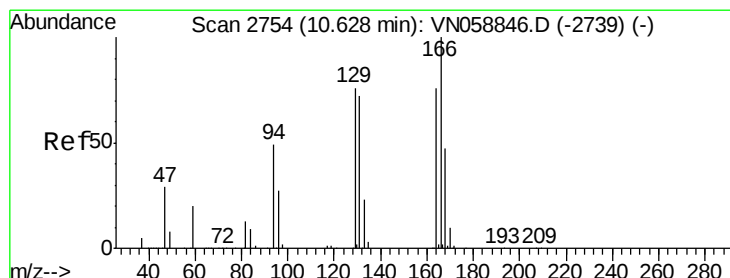
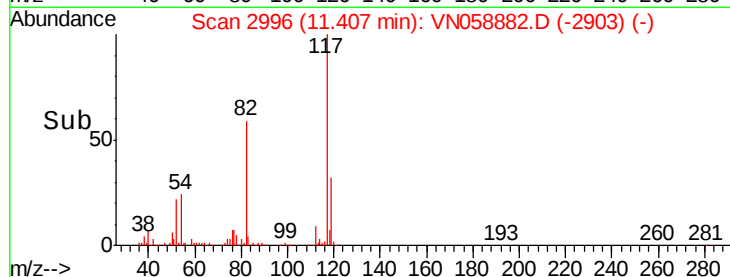
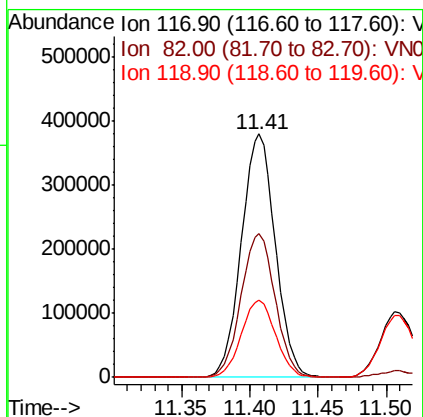
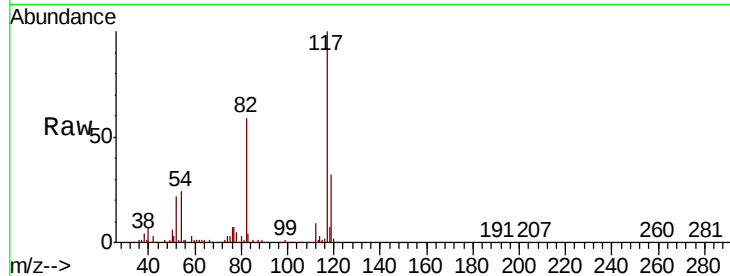




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

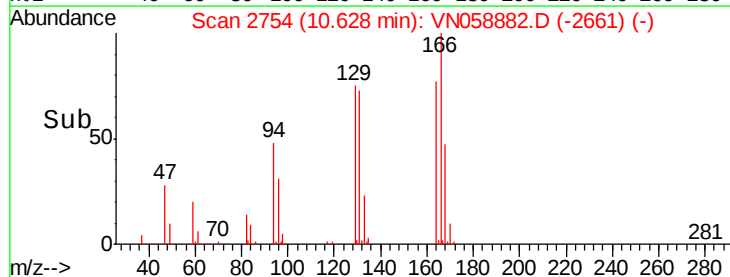
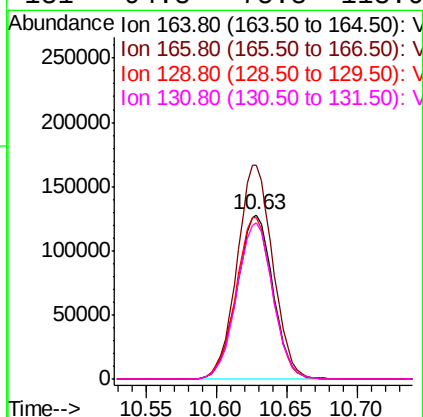
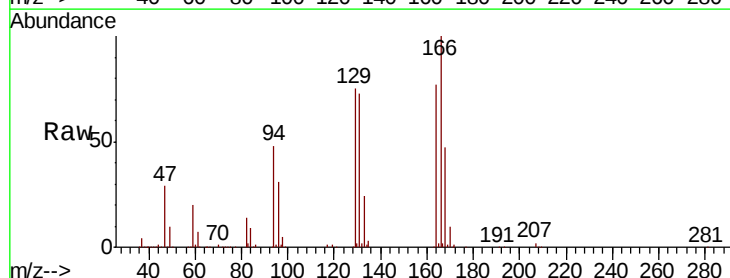
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

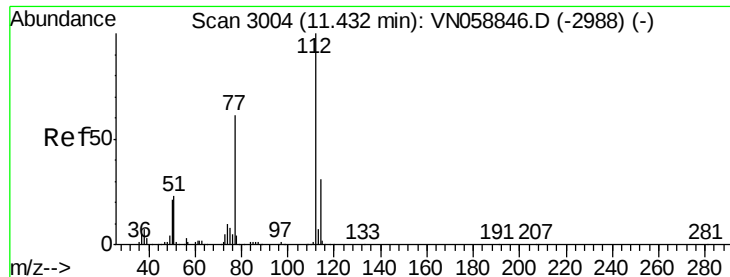
Tot Ion:117 Resp: 655140
Ion Ratio Lower Upper
117 100
82 58.9 46.6 69.8
119 31.6 25.6 38.4



#64
Tetrachloroethene
Concen: 49.960 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion:164 Resp: 229225
Ion Ratio Lower Upper
164 100
166 130.0 104.8 157.2
129 97.9 79.3 118.9
131 94.8 75.8 113.6

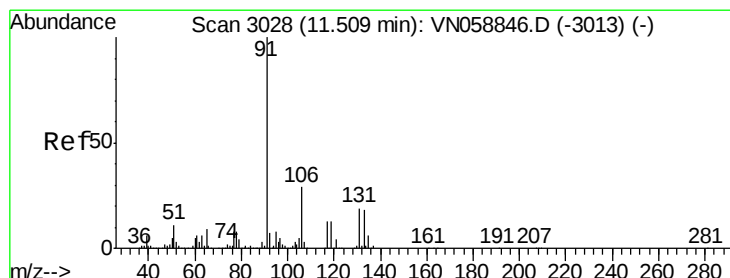
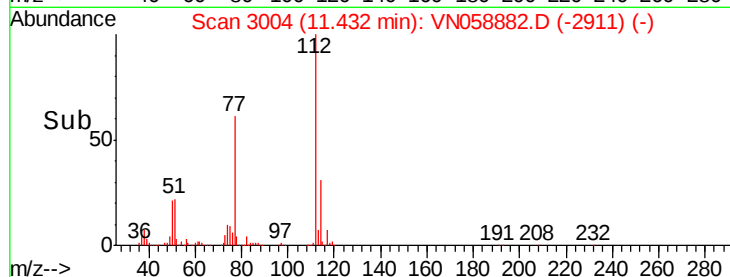
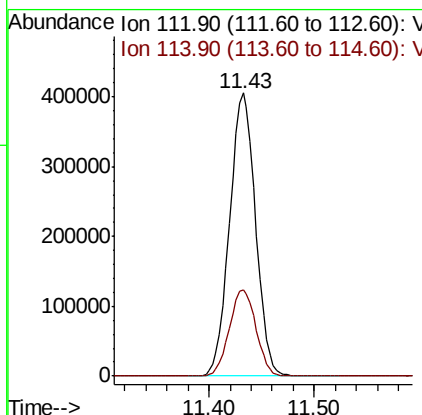
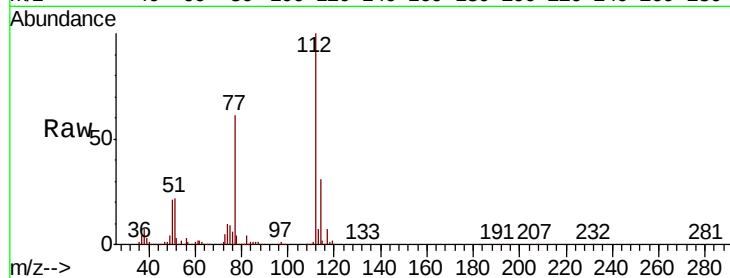




#65
Chlorobenzene
Concen: 51.626 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

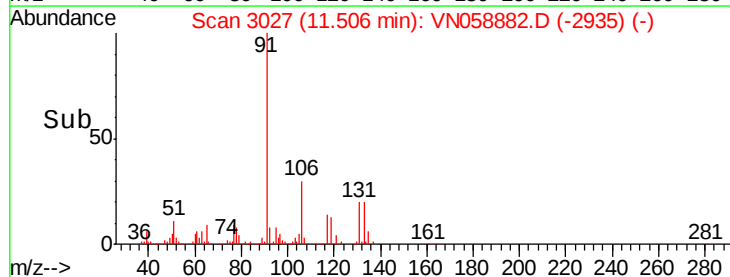
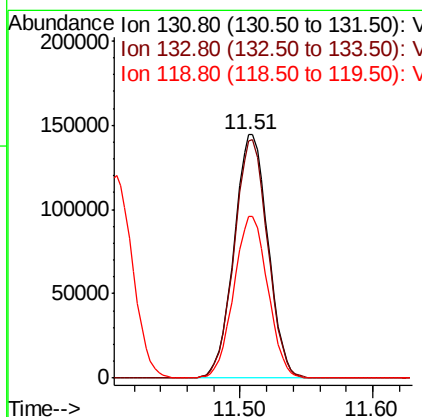
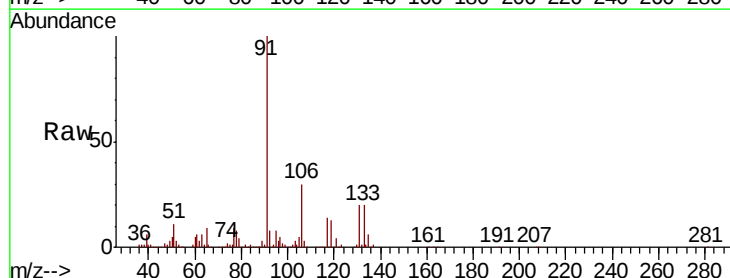
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

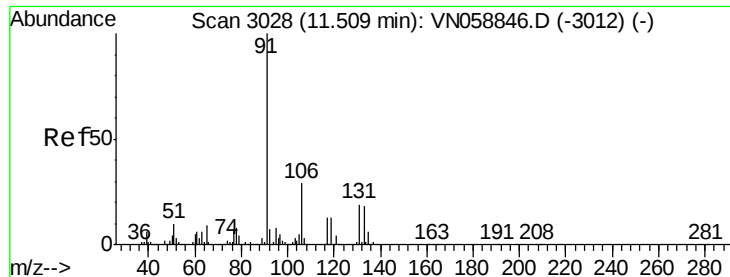
Tot Ion:112 Resp: 688581
Ion Ratio Lower Upper
112 100
114 30.7 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.009 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion:131 Resp: 256734
Ion Ratio Lower Upper
131 100
133 96.2 48.4 145.2
119 66.4 33.6 100.8





#67

Ethyl Benzene

Concen: 54.442 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

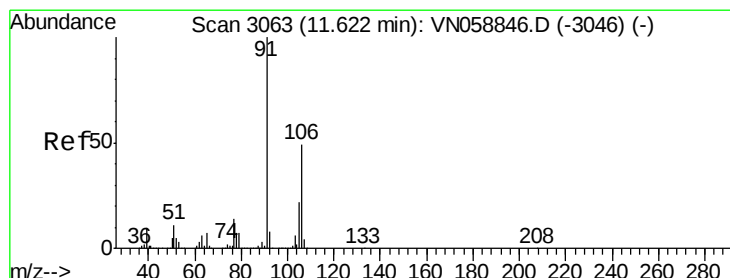
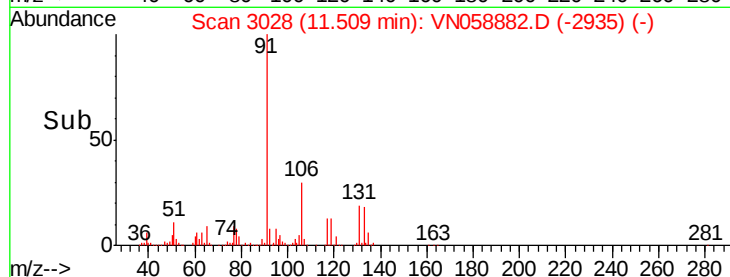
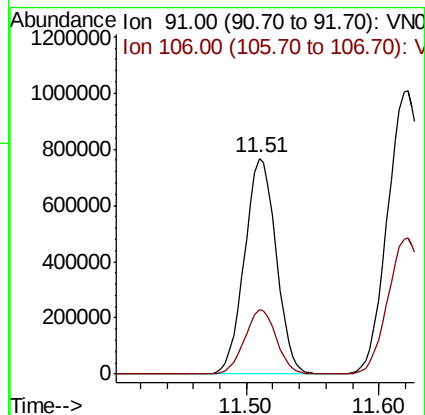
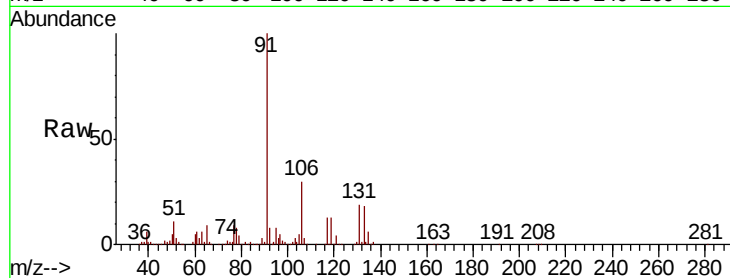
FA19-MMW0422MS

Tot Ion: 91 Resp: 1273807

Ion Ratio Lower Upper

91 100

106 29.9 23.4 35.0



#68

m/p-Xylenes

Concen: 108.047 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058882.D

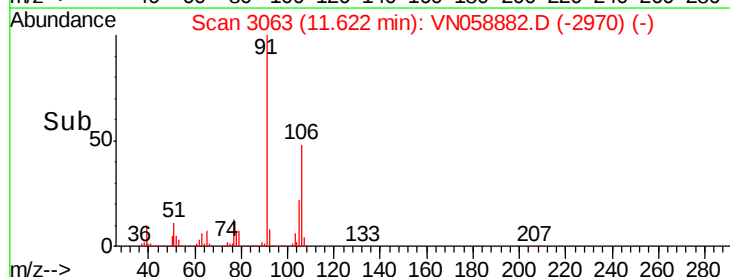
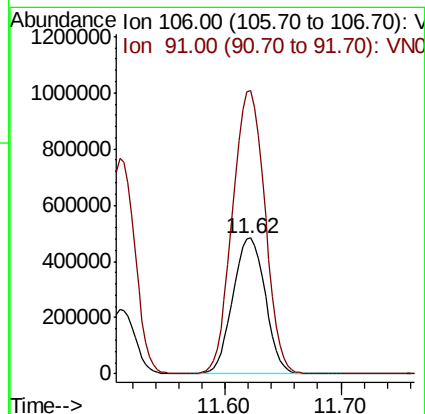
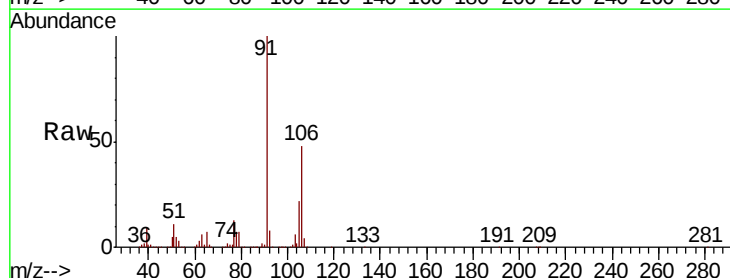
Acq: 21 Oct 2019 12:55

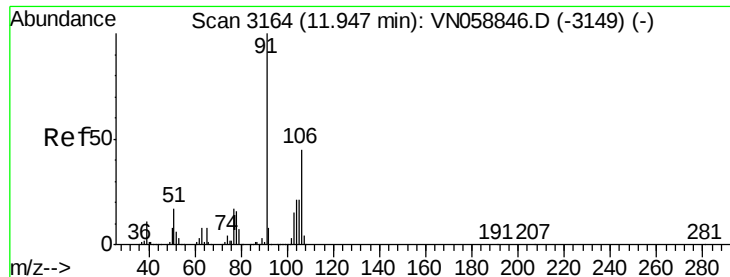
Tgt Ion: 106 Resp: 937517

Ion Ratio Lower Upper

106 100

91 208.8 166.6 249.8

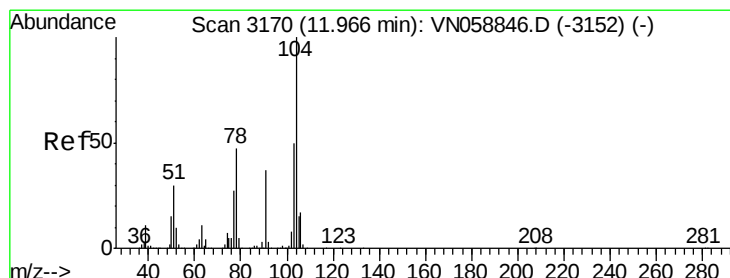
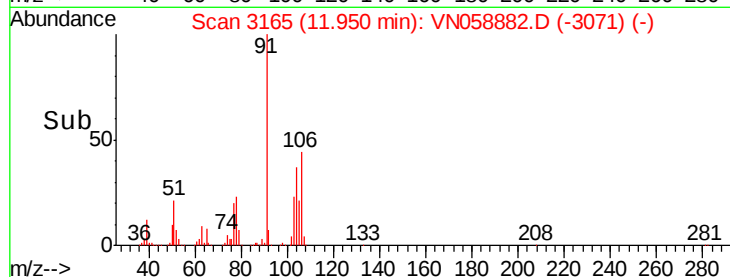
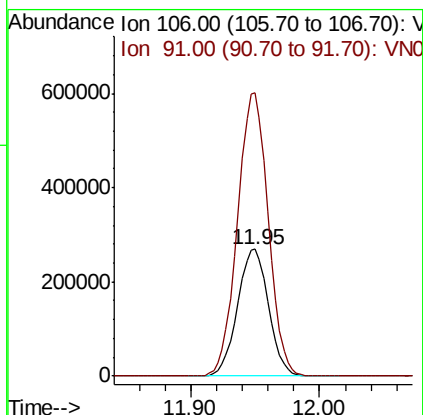
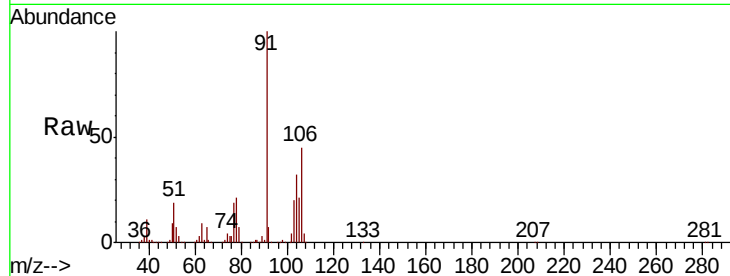




#69
o-Xylene
Concen: 54.220 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

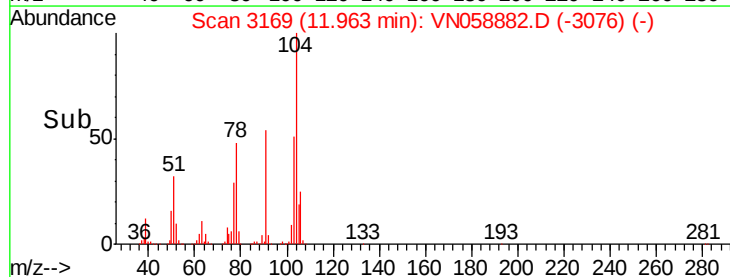
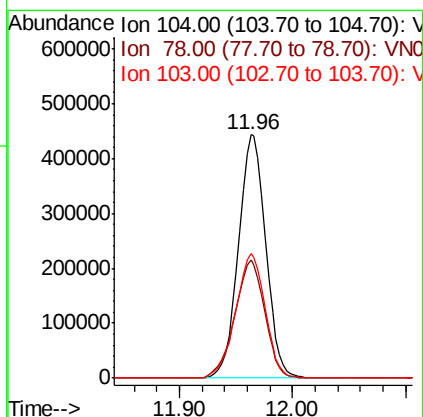
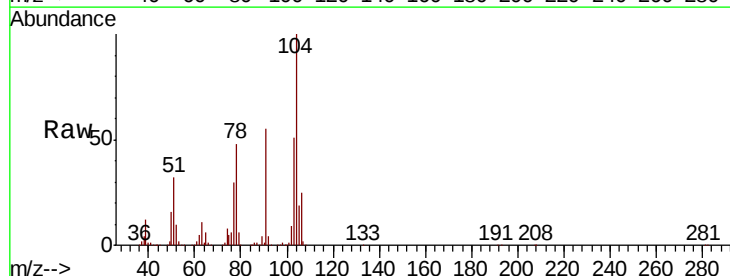
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

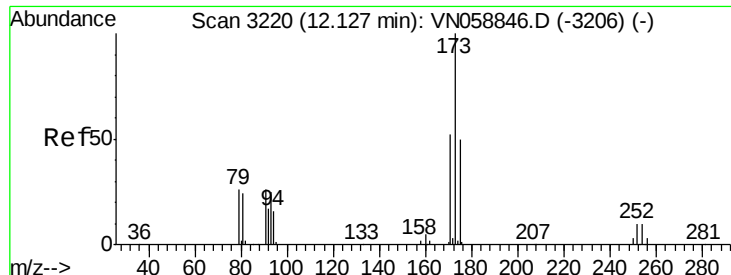
Tot Ion:106 Resp: 448698
Ion Ratio Lower Upper
106 100
91 221.9 111.5 334.4



#70
Styrene
Concen: 48.885 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion:104 Resp: 746133
Ion Ratio Lower Upper
104 100
78 53.0 42.8 64.2
103 55.4 44.3 66.5

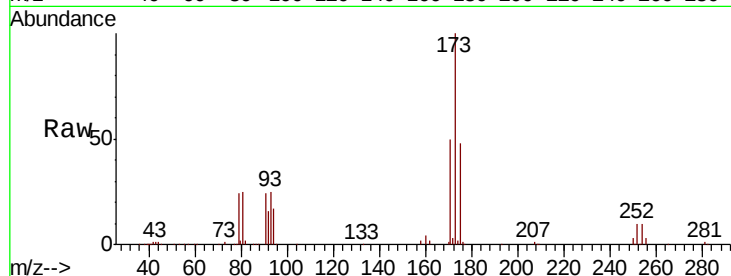




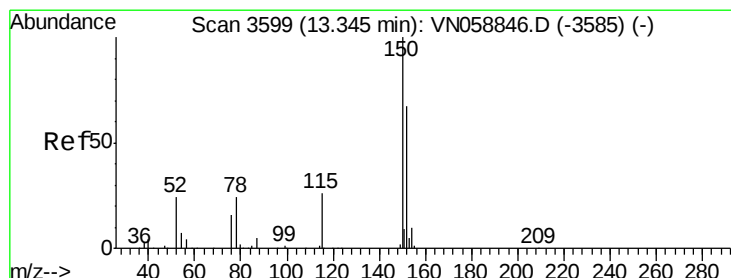
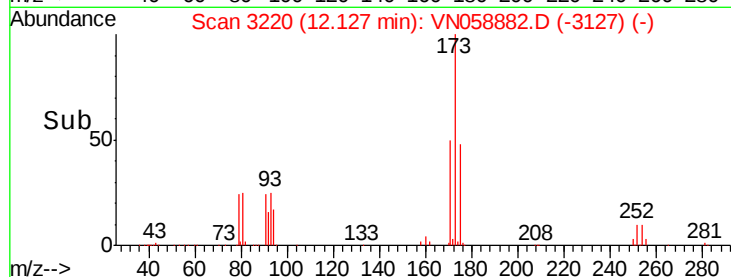
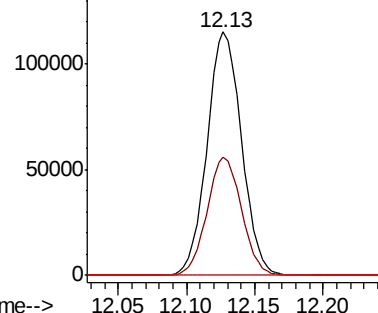
#71
Bromoform
Concen: 51.702 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

Tot Ion:173 Resp: 201786
Ion Ratio Lower Upper
173 100
175 48.7 24.7 74.1
254 0.0 0.0 0.0#

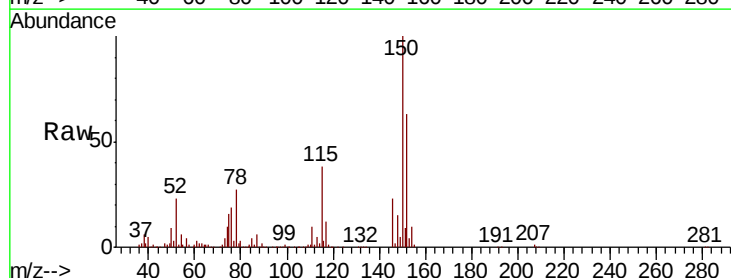


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

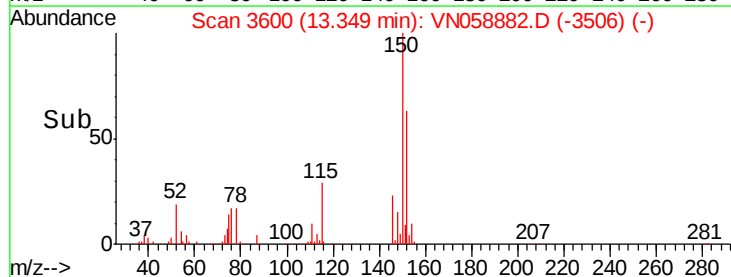
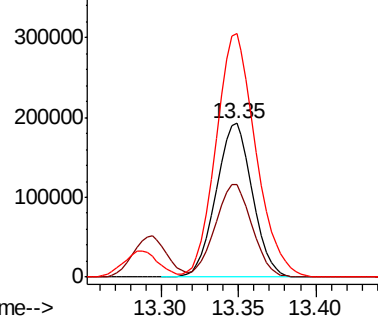


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion:152 Resp: 315013
Ion Ratio Lower Upper
152 100
115 61.4 30.5 91.5
150 173.2 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: 52.969 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

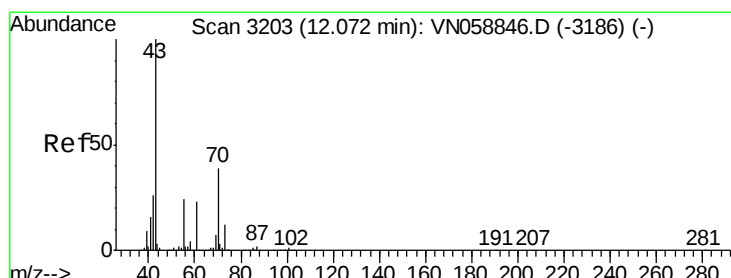
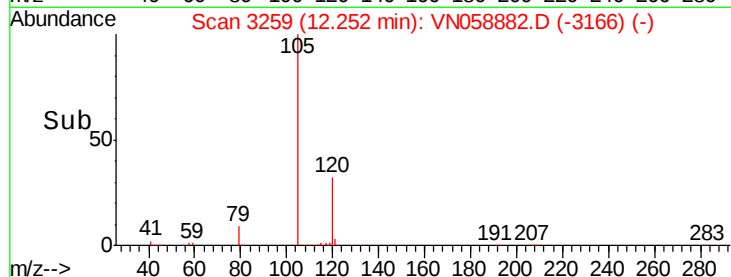
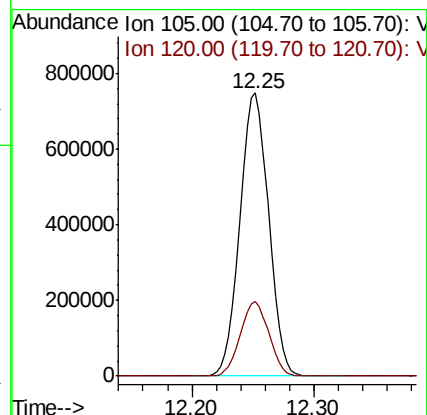
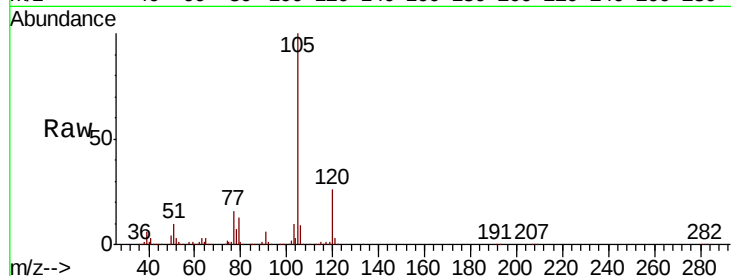
FA19-MMW0422MS

Tot Ion:105 Resp: 1219430

Ion Ratio Lower Upper

105 100

120 26.3 12.8 38.4



#74

N-ethyl acetate

Concen: 54.820 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Tgt Ion: 43 Resp: 572157

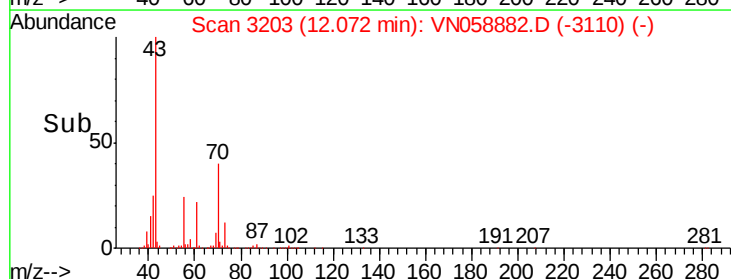
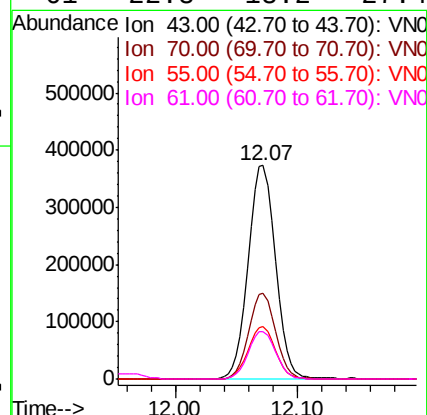
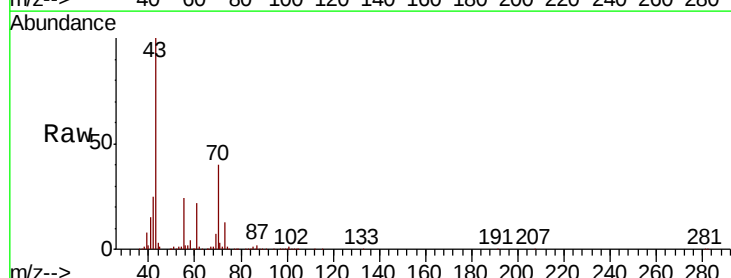
Ion Ratio Lower Upper

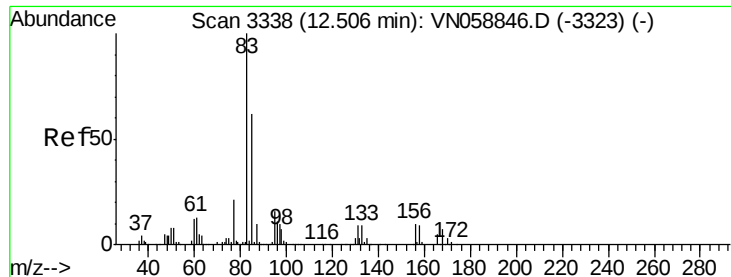
43 100

70 39.7 30.9 46.3

55 24.7 19.7 29.5

61 22.8 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.910 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MS

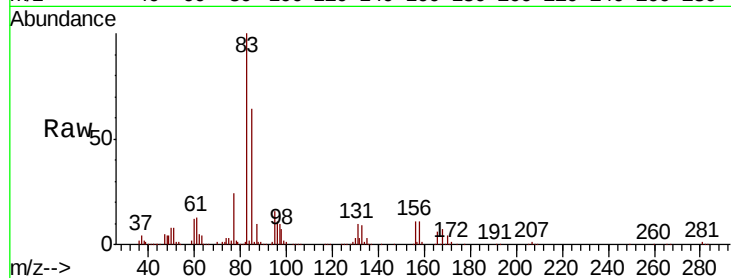
Tot Ion: 83 Resp: 395921

Ion Ratio Lower Upper

83 100

131 9.7 4.7 14.1

85 64.7 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VN058882.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN058882.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN058882.D (-3245) (-)

12.51

250000

200000

150000

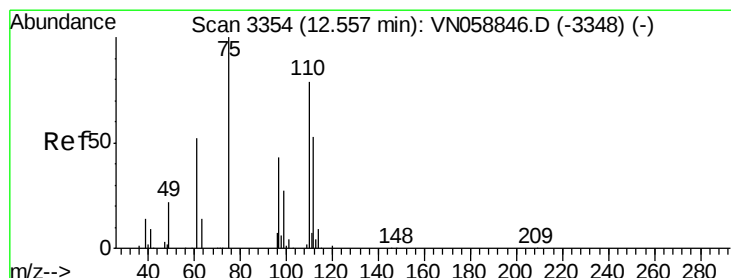
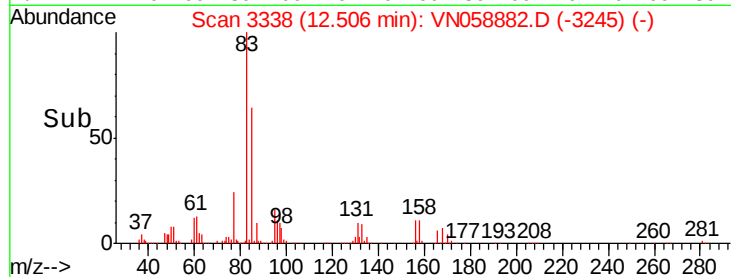
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 74.028 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058882.D

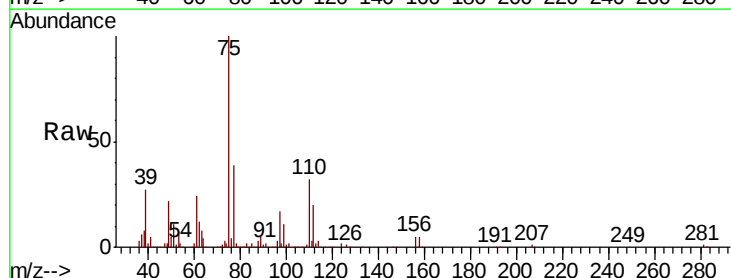
Acq: 21 Oct 2019 12:55

Tgt Ion: 75 Resp: 540463

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058882.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058882.D (-3261) (-)

12.55

300000

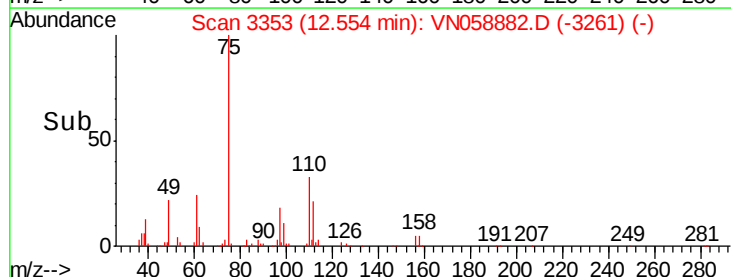
200000

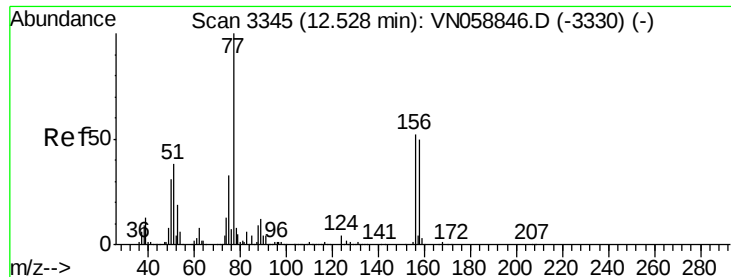
100000

0

12.50 12.60

Time-->





#77

Bromobenzene

Concen: 50.727 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MS

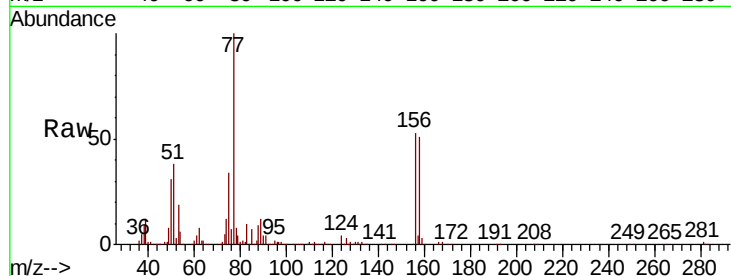
Tot Ion:156 Resp: 287846

Ion Ratio Lower Upper

156 100

77 233.4 118.0 354.0

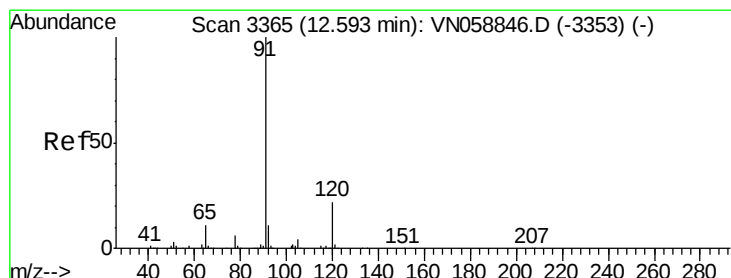
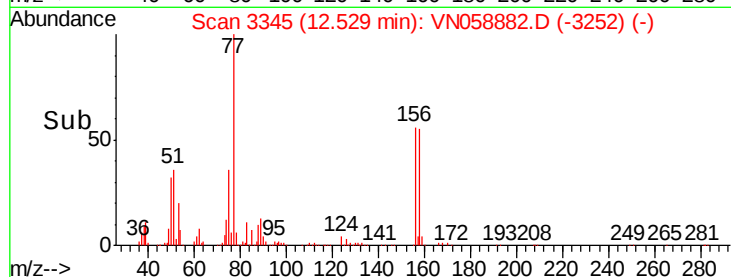
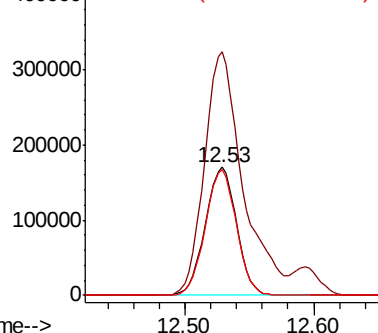
158 97.1 48.3 144.8



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: 53.081 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058882.D

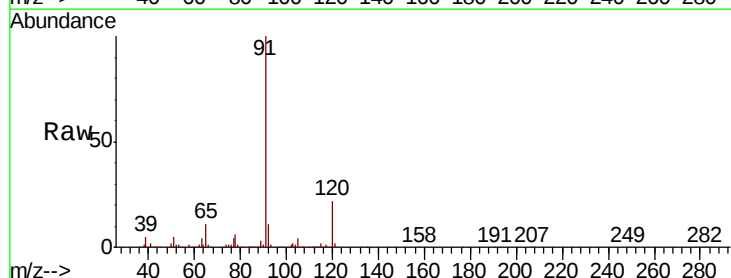
Acq: 21 Oct 2019 12:55

Tgt Ion: 91 Resp: 1444467

Ion Ratio Lower Upper

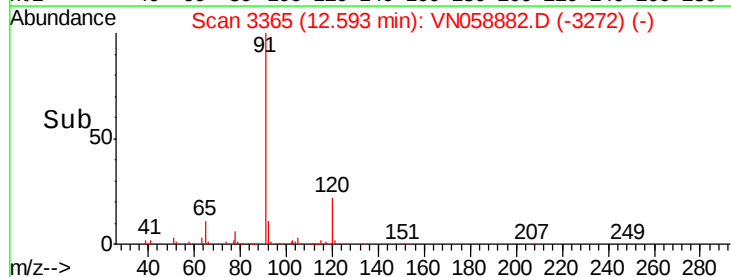
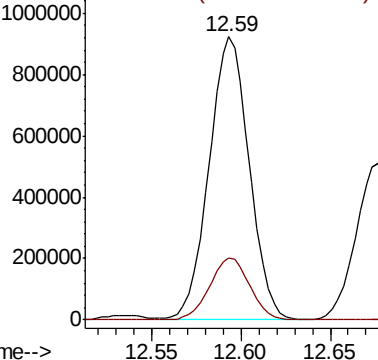
91 100

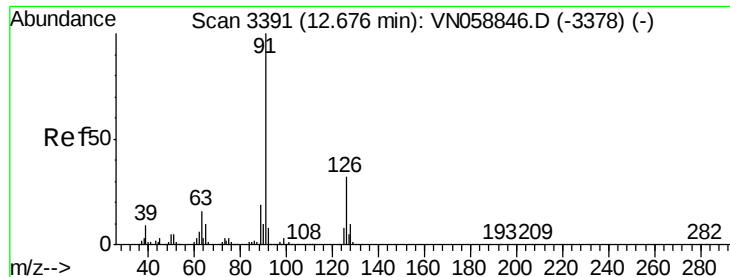
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.119 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

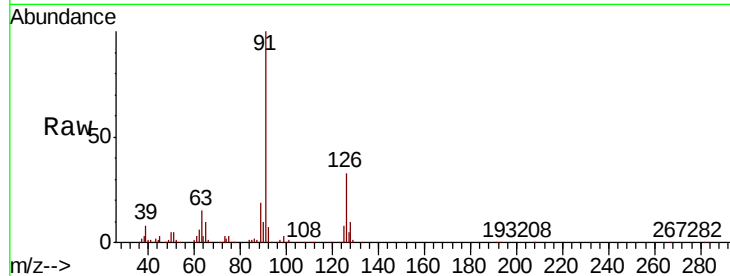
FA19-MMW0422MS

Tot Ion: 91 Resp: 851396

Ion Ratio Lower Upper

91 100

126 32.6 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058882.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN058882.D (-3392) (-)

800000

600000

400000

200000

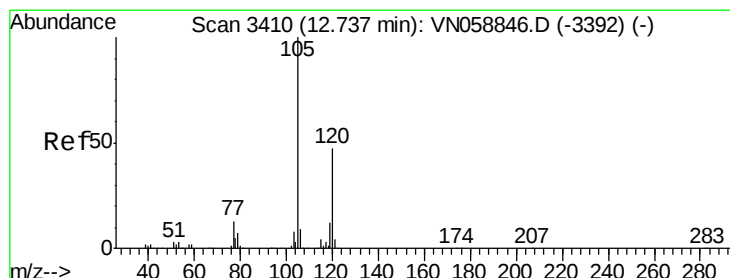
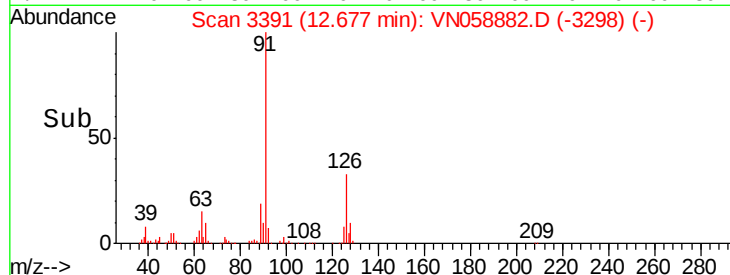
0

12.65

12.68

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.488 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058882.D

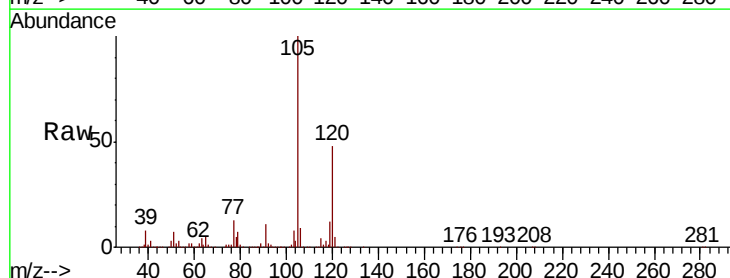
Acq: 21 Oct 2019 12:55

Tgt Ion:105 Resp: 1034584

Ion Ratio Lower Upper

105 100

120 48.0 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058882.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN058882.D (-3317) (-)

600000

400000

200000

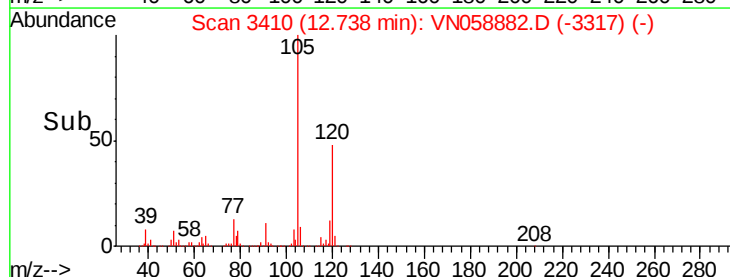
0

12.70

12.74

12.80

Time-->

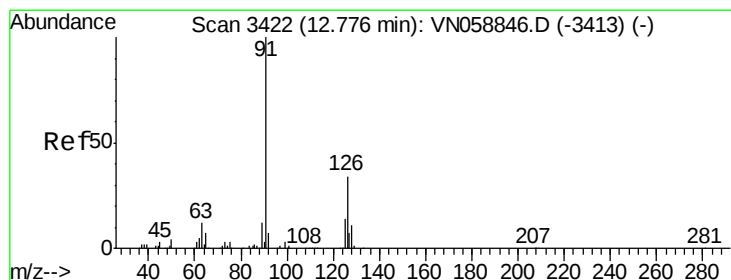
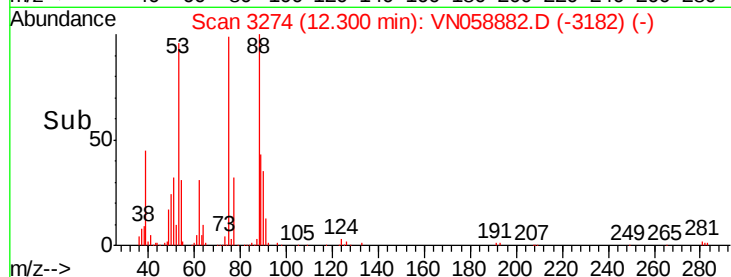
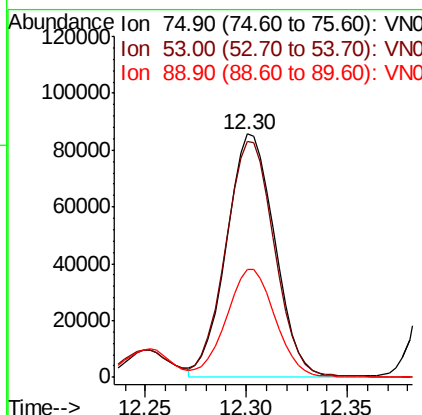
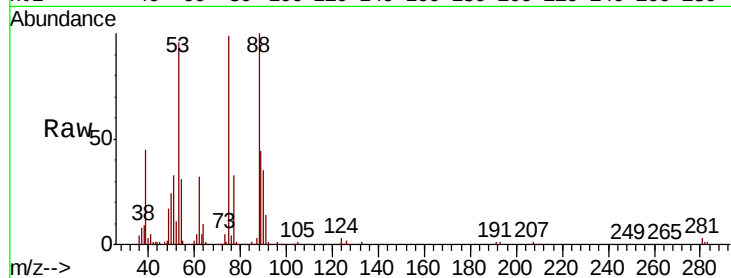




#81
trans-1,4-Dichloro-2-butene
Concen: 51.251 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

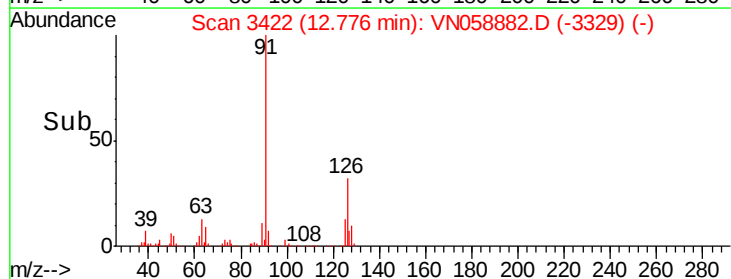
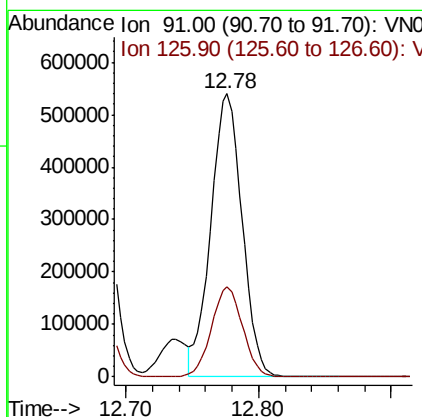
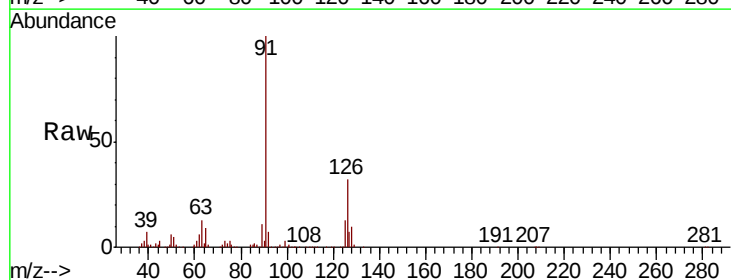
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

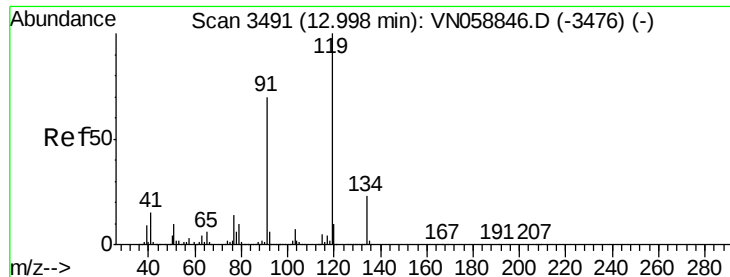
Tot Ion: 75 Resp: 143631
Ion Ratio Lower Upper
75 100
53 98.6 78.6 118.0
89 45.2 35.4 53.0



#82
4-Chlorotoluene
Concen: 51.804 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion: 91 Resp: 881721
Ion Ratio Lower Upper
91 100
126 31.6 16.0 47.9





#83

tert-Butylbenzene

Concen: 53.486 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MS

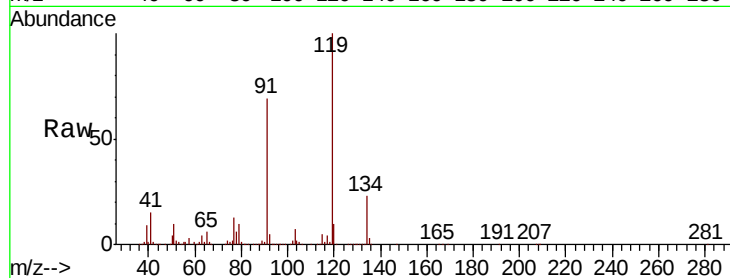
Tot Ion:119 Resp: 884666

Ion Ratio Lower Upper

119 100

91 67.3 34.1 102.3

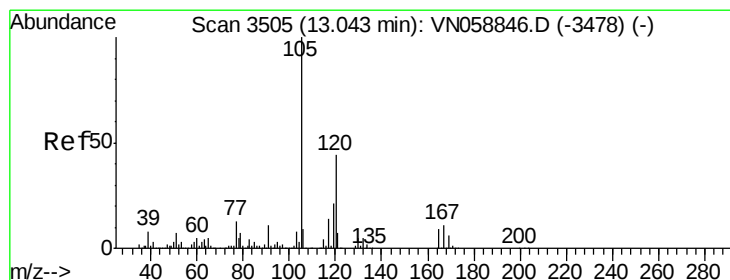
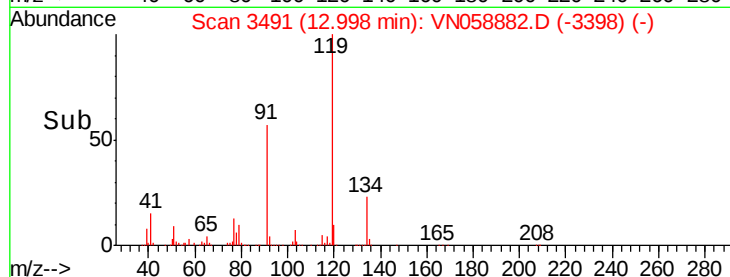
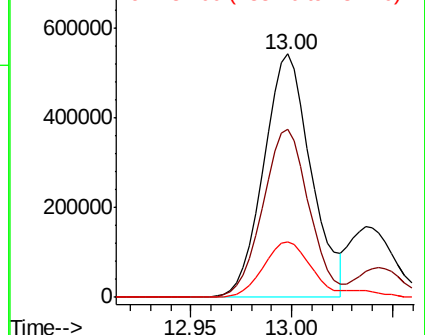
134 23.1 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.491 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN058882.D

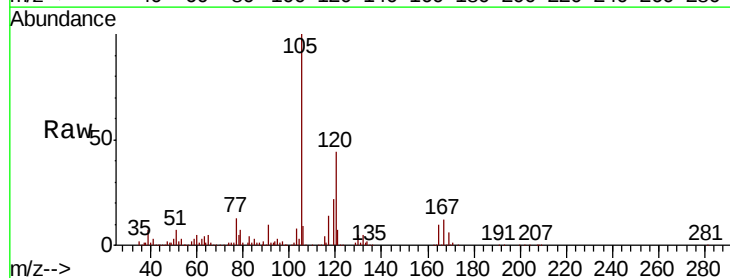
Acq: 21 Oct 2019 12:55

Tgt Ion:105 Resp: 1039590

Ion Ratio Lower Upper

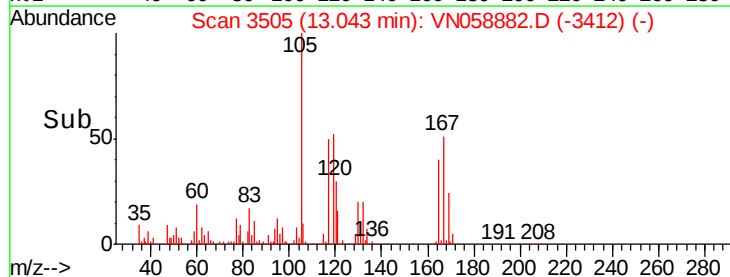
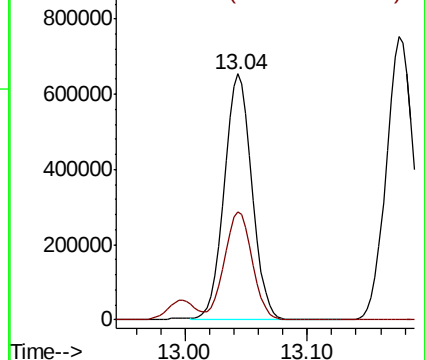
105 100

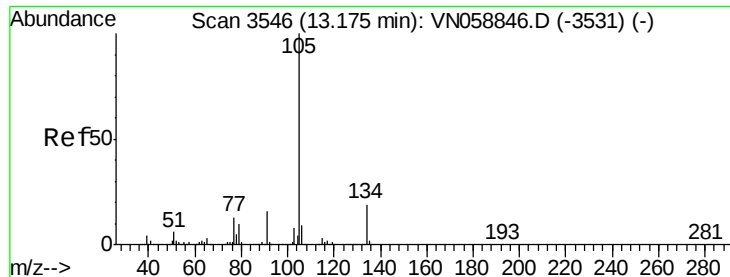
120 44.4 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.945 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

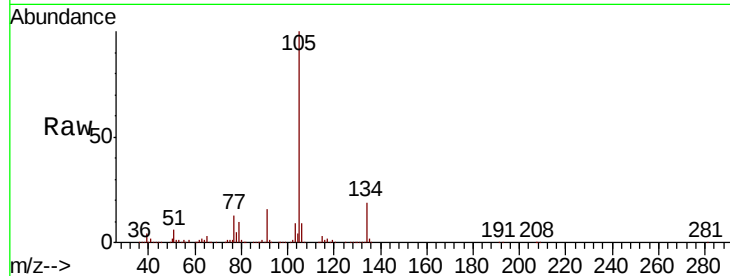
FA19-MMW0422MS

Tot Ion:105 Resp: 1189617

Ion Ratio Lower Upper

105 100

134 19.1 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

800000

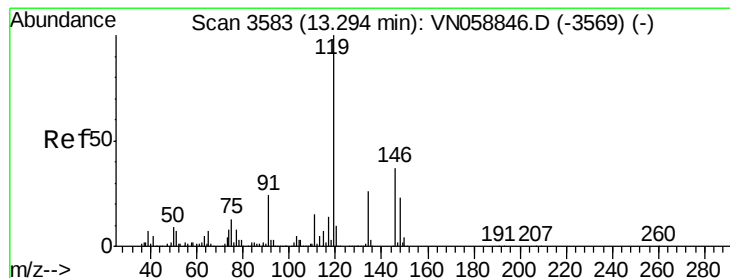
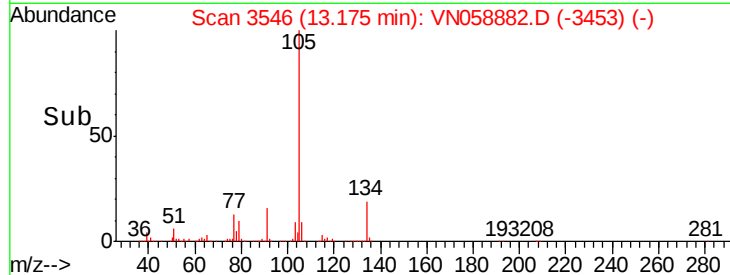
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 55.017 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

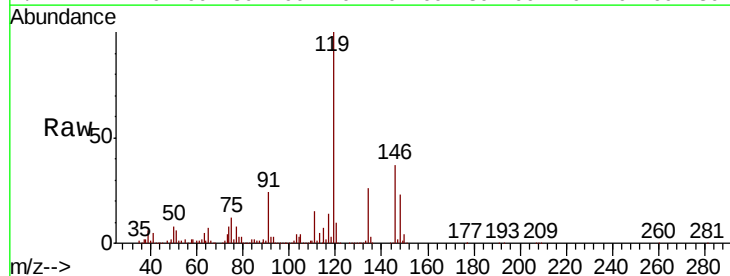
Tgt Ion:119 Resp: 1070518

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

91 24.4 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

800000

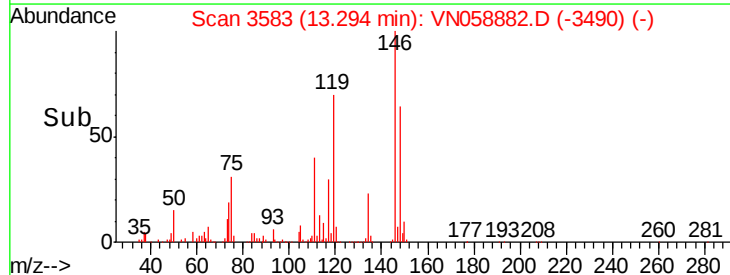
600000

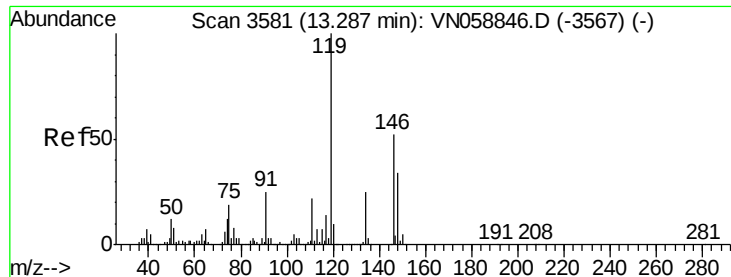
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 51.028 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MS

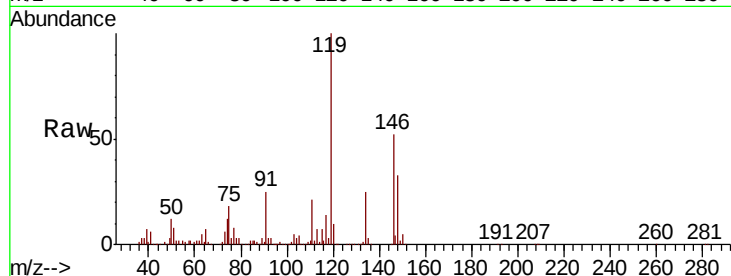
Tot Ion:146 Resp: 517740

Ion Ratio Lower Upper

146 100

111 40.9 21.0 63.0

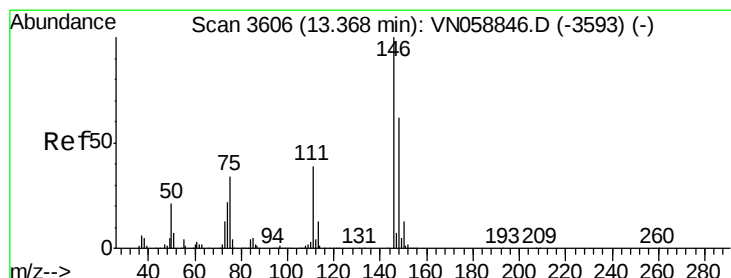
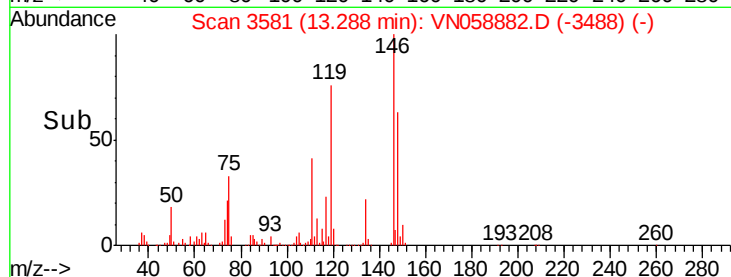
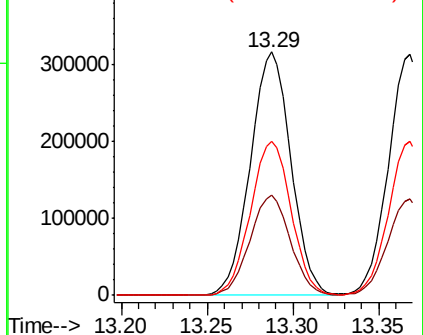
148 63.3 32.1 96.3



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: 50.615 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

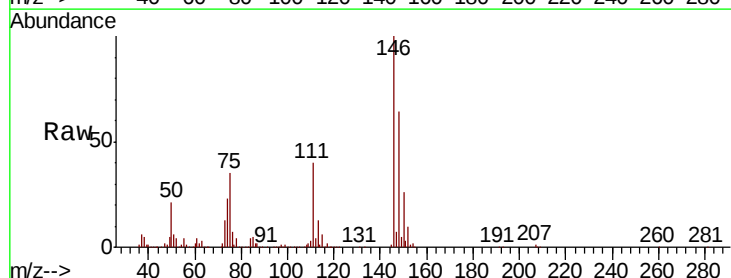
Tgt Ion:146 Resp: 514163

Ion Ratio Lower Upper

146 100

111 40.0 20.2 60.6

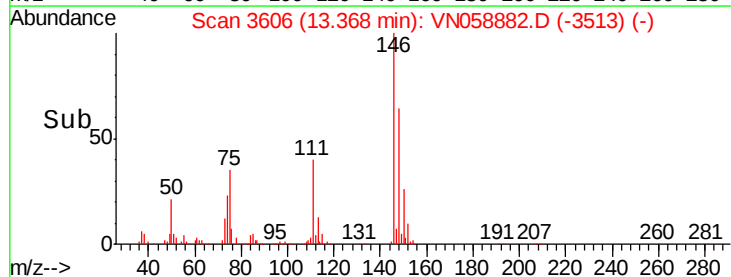
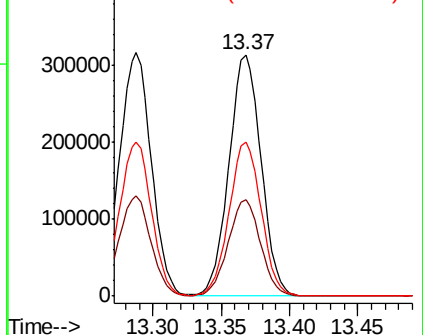
148 63.5 31.6 94.7

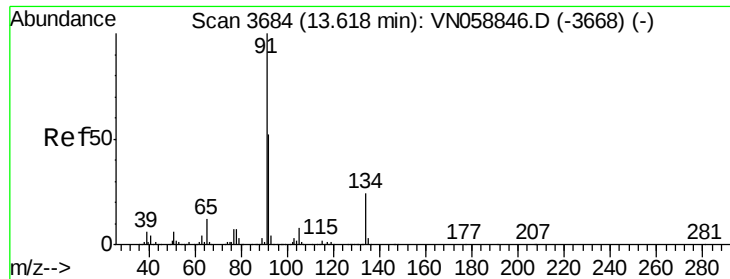


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 53.008 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MS

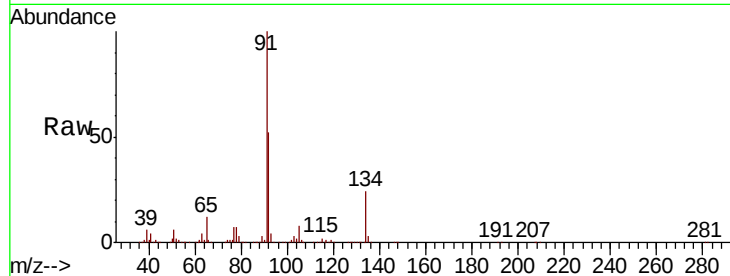
Tot Ion: 91 Resp: 947473

Ion Ratio Lower Upper

91 100

92 52.3 25.7 77.1

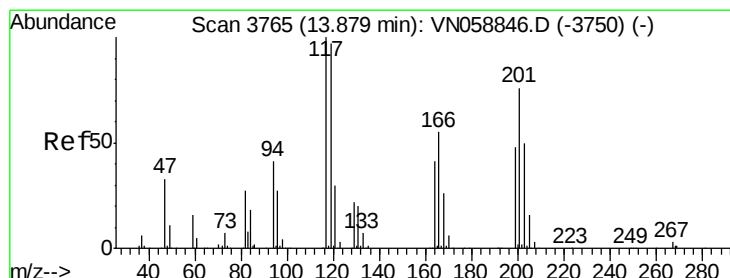
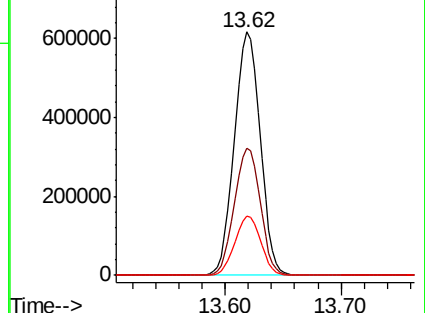
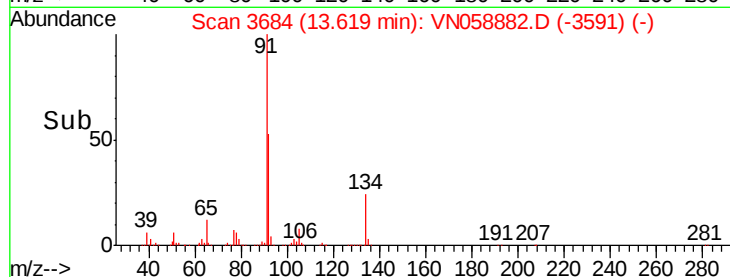
134 24.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN058882.D (-3684) (-)

Ion 92.00 (91.70 to 92.70): VN058882.D (-3684) (-)

Ion 134.00 (133.70 to 134.70): VN058882.D (-3684) (-)



#90

Hexachloroethane

Concen: 50.406 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058882.D

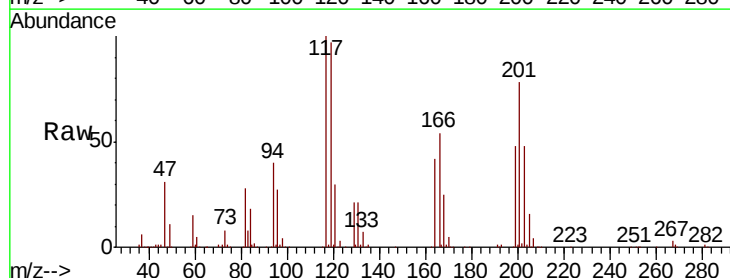
Acq: 21 Oct 2019 12:55

Tgt Ion: 117 Resp: 198744

Ion Ratio Lower Upper

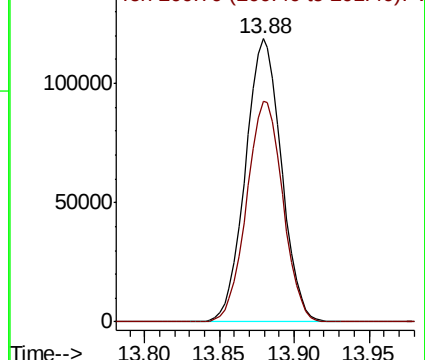
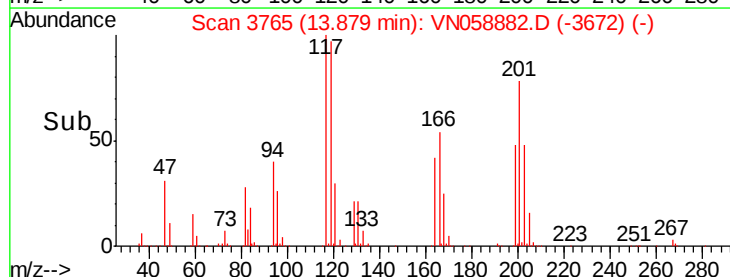
117 100

201 78.3 38.9 116.6



Abundance Ion 116.80 (116.50 to 117.50): VN058882.D (-3765) (-)

Ion 200.70 (200.40 to 201.40): VN058882.D (-3765) (-)

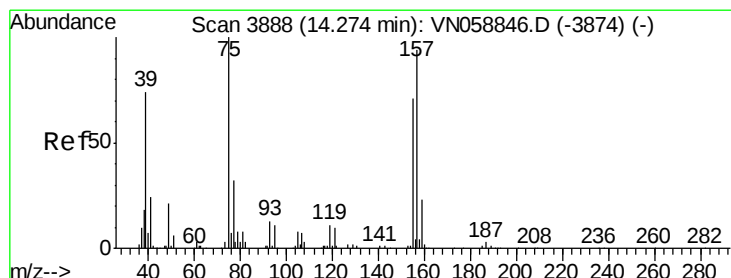
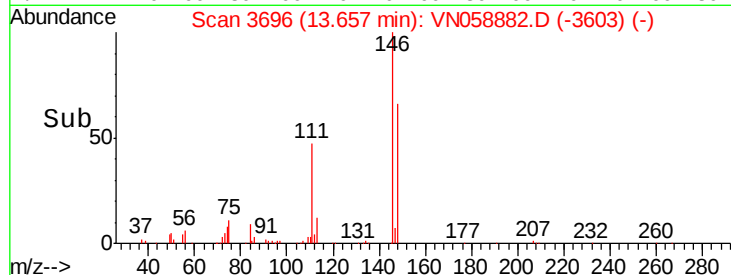
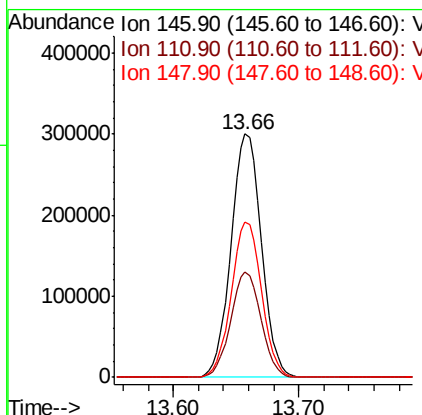
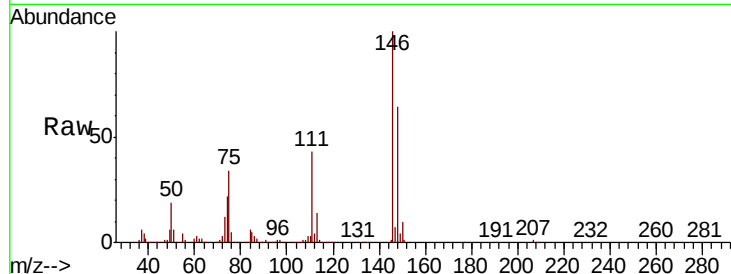




#91
 1,2-Dichlorobenzene
 Concen: 50.569 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

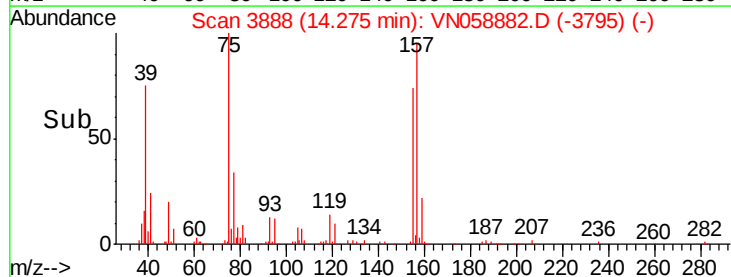
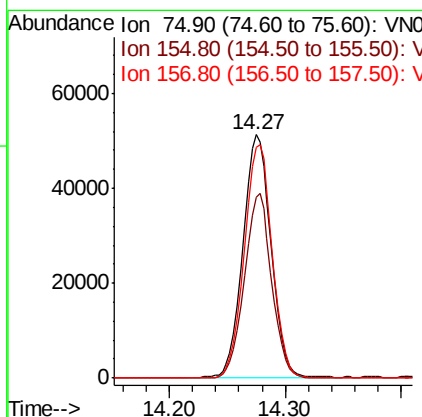
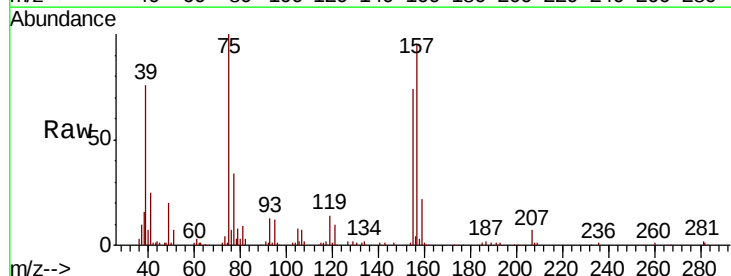
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MS

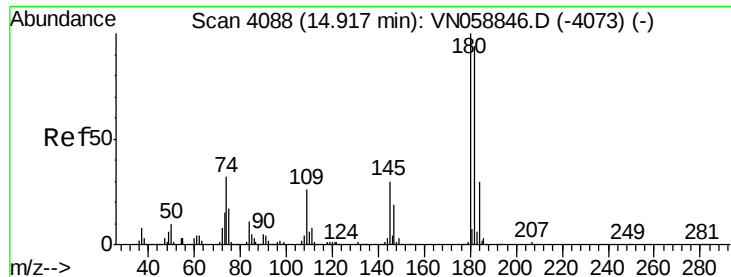
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	64.8
148	63.7	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.464 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.9	35.6	106.8
157	94.6	47.4	142.2

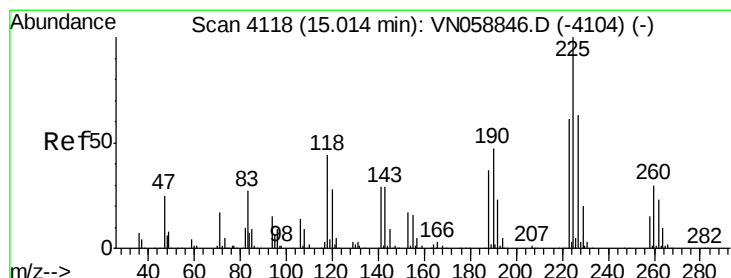
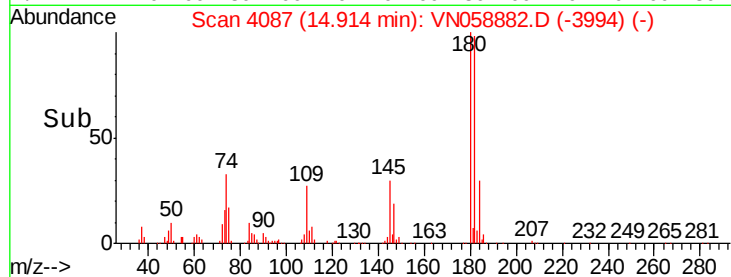
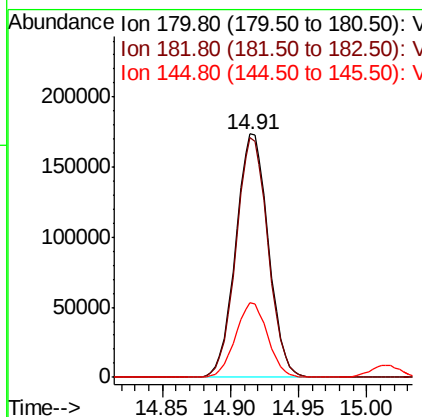
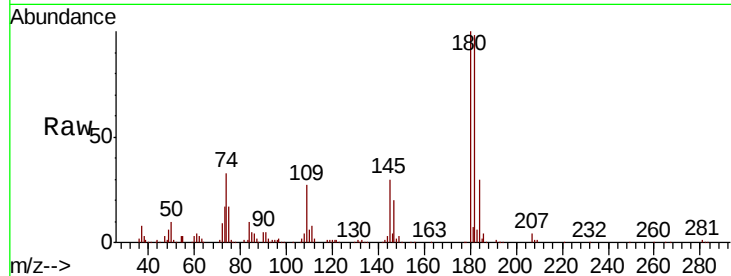




#93
 1,2,4-Trichlorobenzene
 Concen: 46.047 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

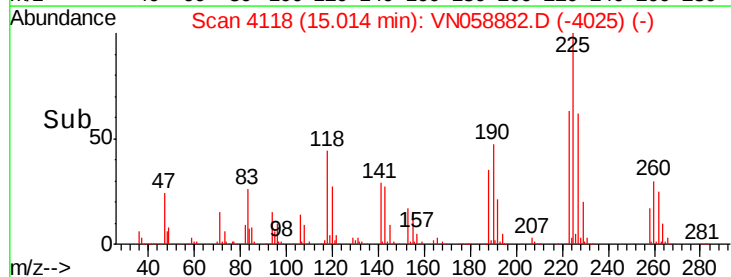
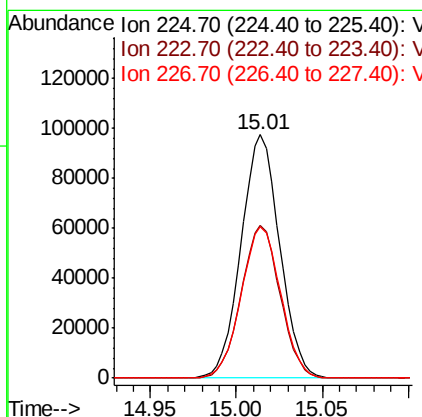
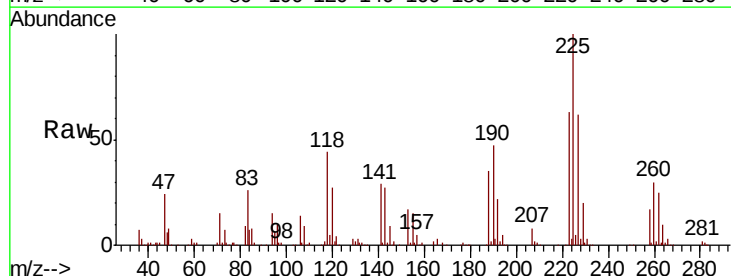
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MS

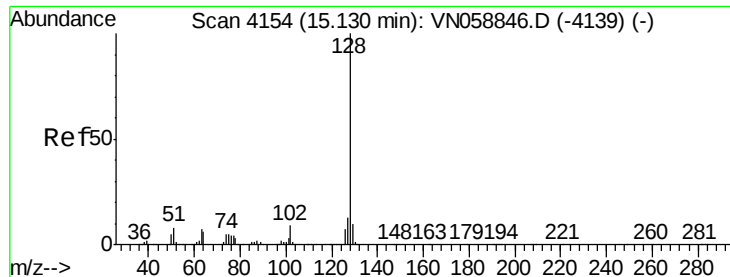
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.3	142.0
145	30.1	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 47.085 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	30.9	92.5
227	63.7	31.6	94.7





#95

Naphthalene

Concen: 46.209 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

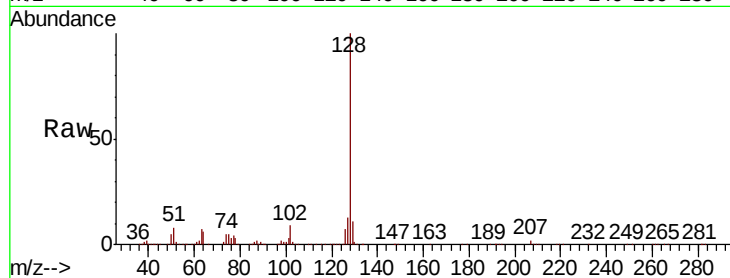
MSVOA_N

ClientSampleId :

FA19-MMW0422MS

Tot Ion:128 Resp: 830601

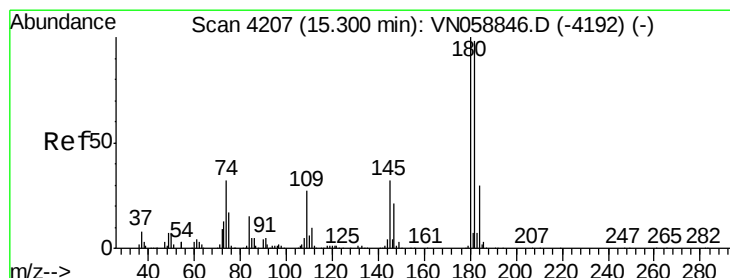
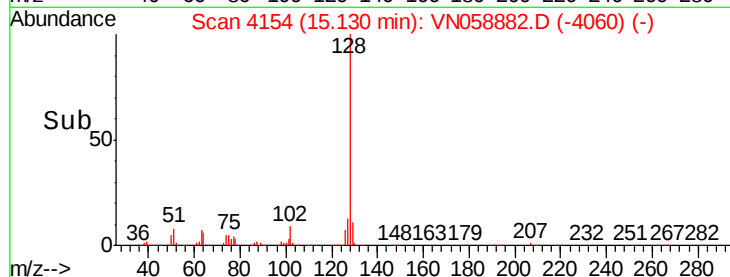
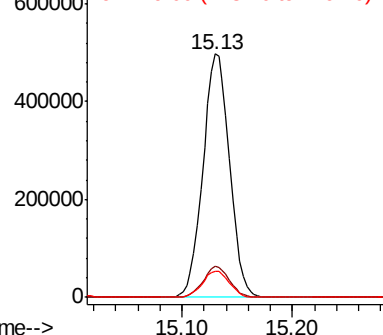
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.9	8.4	12.6



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



#96

1,2,3-Trichlorobenzene

Concen: 45.908 ug/l

RT: 15.30 min Scan# 4207

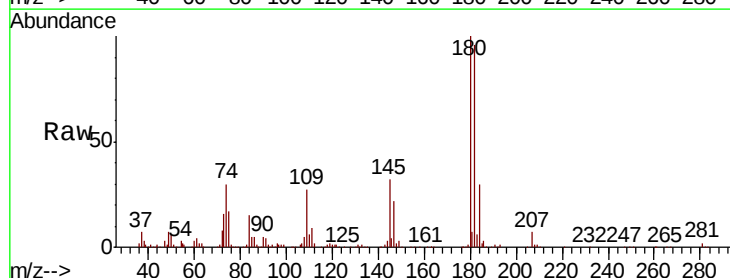
Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Tgt Ion:180 Resp: 279317

Ion	Ratio	Lower	Upper
180	100		
182	96.0	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

