

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058881.D
 Acq On : 21 Oct 2019 12:33
 Operator : JC/SP
 Sample : K5451-05MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMSD

Quant Time: Oct 22 03:17:25 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	429248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	697462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	650568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	310153	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	309758	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
35) Dibromofluoromethane	7.57	113	225913	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
50) Toluene-d8	10.08	98	880092	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.40	95	324507	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	254074	47.474	ug/l	99
3) Chloromethane	2.04	50	319243	48.163	ug/l	98
4) Vinyl Chloride	2.17	62	326897	49.670	ug/l	100
5) Bromomethane	2.54	94	199010	48.288	ug/l	98
6) Chloroethane	2.68	64	198287	46.982	ug/l	97
7) Trichlorofluoromethane	3.00	101	384994	47.278	ug/l	99
8) Diethyl Ether	3.39	74	142878	50.773	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	214973	47.619	ug/l	100
10) Methyl Iodide	3.93	142	294785	49.648	ug/l	100
11) Tert butyl alcohol	4.76	59	251451	240.686	ug/l	98
12) 1,1-Dichloroethene	3.72	96	216749	51.222	ug/l	100
13) Acrolein	3.58	56	177262	246.939	ug/l	100
14) Allyl chloride	4.30	41	434851	50.784	ug/l	99
15) Acrylonitrile	4.96	53	676587	257.462	ug/l	100
16) Acetone	3.79	43	599535	192.720	ug/l	100
17) Carbon Disulfide	4.03	76	663284	48.660	ug/l	98
18) Methyl Acetate	4.30	43	334112	47.240	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	779304	52.595	ug/l	99
20) Methylene Chloride	4.53	84	252479	47.530	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	234370	50.152	ug/l	98
22) Diisopropyl ether	5.93	45	877346	52.383	ug/l	97
23) Vinyl Acetate	5.87	43	3754249	278.998	ug/l	99
24) 1,1-Dichloroethane	5.82	63	487476	50.196	ug/l	99
25) 2-Butanone	6.81	43	936875	231.998	ug/l	99
26) 2,2-Dichloropropane	6.80	77	417275	49.675	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	279229	52.305	ug/l	99
28) Bromochloromethane	7.17	49	160438	49.605	ug/l	99
29) Tetrahydrofuran	7.19	42	630262	255.130	ug/l	100
30) Chloroform	7.35	83	469948	48.241	ug/l	99
31) Cyclohexane	7.63	56	432752	47.832	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	405930	49.436	ug/l	100
36) 1,1-Dichloropropene	7.78	75	359461	50.341	ug/l	100
37) Ethyl Acetate	6.90	43	482804	62.053	ug/l	99
38) Carbon Tetrachloride	7.76	117	356190	48.421	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	406388	50.686	ug/l	100
40) Benzene	8.02	78	1056643	50.393	ug/l	99
41) Methacrylonitrile	7.19	41	571843	165.021	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	395700	48.990	ug/l	100
43) Isopropyl Acetate	8.15	43	632285	50.671	ug/l	100
44) Trichloroethene	8.82	130	287250	56.238	ug/l	100
45) 1,2-Dichloropropane	9.11	63	287975	50.085	ug/l	100
46) Dibromomethane	9.20	93	179009	49.248	ug/l	99
47) Bromodichloromethane	9.39	83	375930	50.180	ug/l	100
48) Methyl methacrylate	9.19	41	295207	52.144	ug/l	100
49) 1,4-Dioxane	9.19	88	83114	894.317	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1946761	267.103	ug/l	99
52) Toluene	10.15	92	637971	51.307	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	429459	51.783	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	444882	50.210	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	250305	48.865	ug/l	98
56) Ethyl methacrylate	10.43	69	403740	47.051	ug/l	100
57) 1,3-Dichloropropane	10.70	76	447986	49.829	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	340	5.755	ug/l #	50
59) 2-Hexanone	10.75	43	1472209	261.401	ug/l	100
60) Dibromochloromethane	10.90	129	279103	50.621	ug/l	99
61) 1,2-Dibromoethane	11.00	107	263411	50.249	ug/l	99
64) Tetrachloroethene	10.63	164	218628	47.985	ug/l	99
65) Chlorobenzene	11.43	112	670659	50.636	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	251183	50.257	ug/l	99
67) Ethyl Benzene	11.51	91	1238950	53.324	ug/l	98
68) m/p-Xylenes	11.62	106	916685	106.389	ug/l	100
69) o-Xylene	11.95	106	436341	53.098	ug/l	100
70) Styrene	11.97	104	728075	48.067	ug/l	100
71) Bromoform	12.13	173	198089	51.111	ug/l #	99
73) Isopropylbenzene	12.25	105	1192392	52.606	ug/l	99
74) N-amyl acetate	12.07	43	557255	54.229	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	391260	49.092	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	532603	74.095	ug/l #	100
77) Bromobenzene	12.53	156	279874	50.095	ug/l	99
78) n-propylbenzene	12.59	91	1409562	52.610	ug/l	100
79) 2-Chlorotoluene	12.68	91	831845	50.728	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1010621	53.068	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	140731	51.003	ug/l	100
82) 4-Chlorotoluene	12.78	91	867226	51.751	ug/l	99
83) tert-Butylbenzene	13.00	119	867631	53.278	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1009050	53.719	ug/l	98
85) sec-Butylbenzene	13.17	105	1150995	53.012	ug/l	99
86) p-Isopropyltoluene	13.29	119	1042993	54.443	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	503531	50.405	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	495460	49.538	ug/l	99
89) n-Butylbenzene	13.62	91	926230	52.631	ug/l	100
90) Hexachloroethane	13.88	117	194277	50.046	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	493654	50.277	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	82758	45.909	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	279645	45.482	ug/l	99
94) Hexachlorobutadiene	15.01	225	149523	46.984	ug/l	99
95) Naphthalene	15.13	128	803500	45.441	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	272685	45.540	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

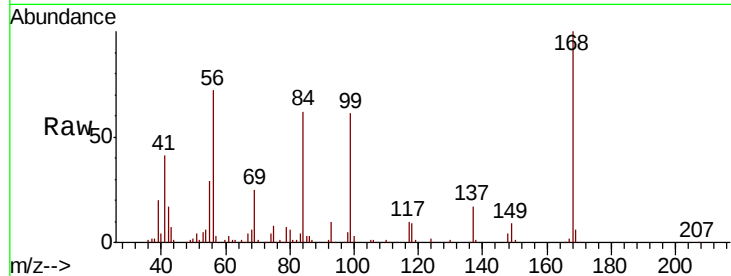
FA19-JBW7326BMSD

Tot Ion:168 Resp: 429248

Ion Ratio Lower Upper

168 100

99 61.3 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VN058881.D (-1734) (-)

Ion 98.90 (98.60 to 99.60): VN058881.D (-1734) (-)

7.65

200000

150000

100000

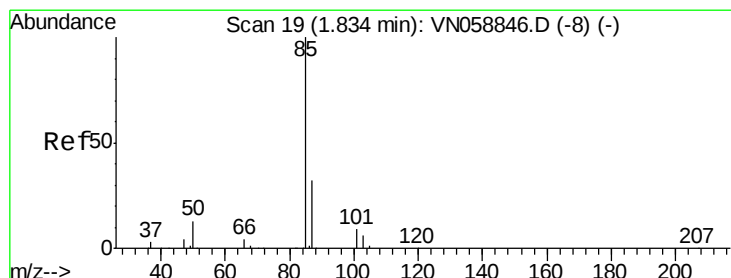
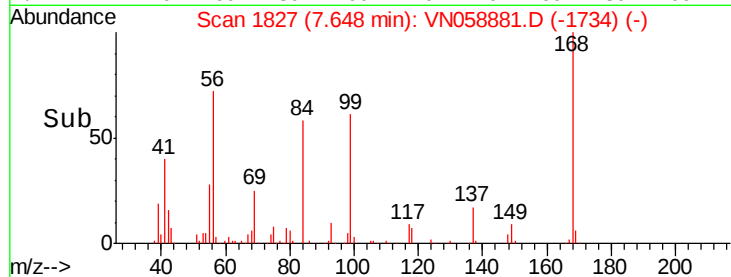
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 47.474 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058881.D

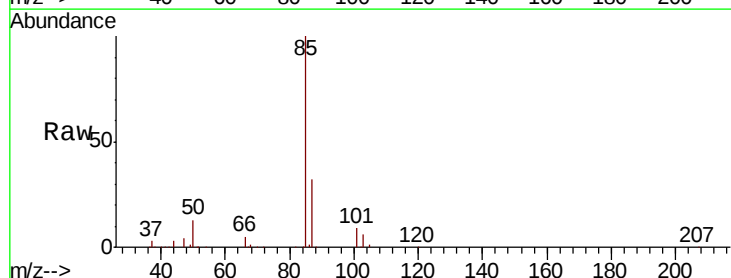
Acq: 21 Oct 2019 12:33

Tgt Ion: 85 Resp: 254074

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN058881.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN058881.D (-1) (-)

1.83

200000

150000

100000

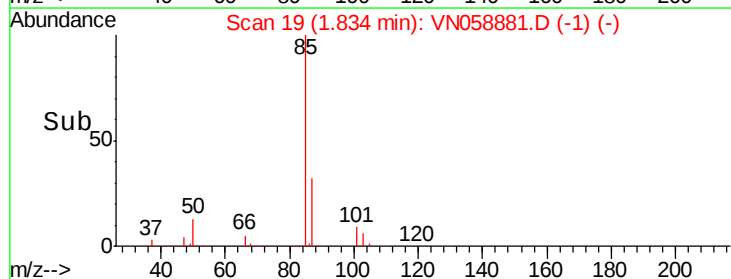
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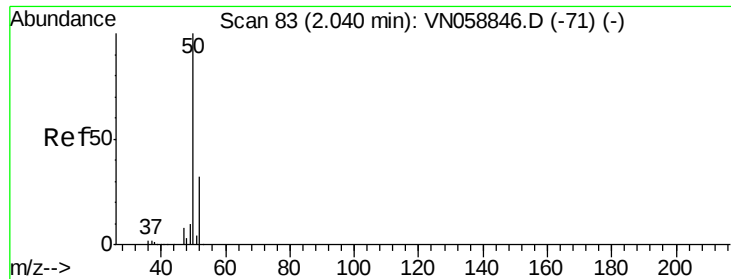
0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 48.163 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

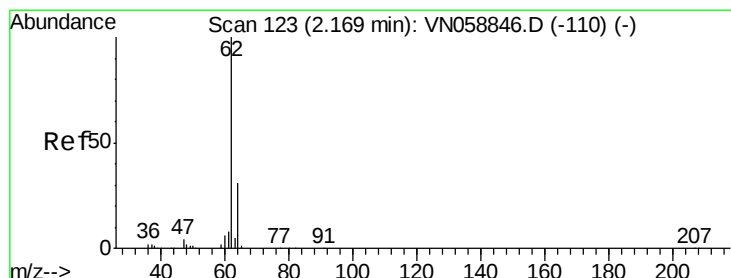
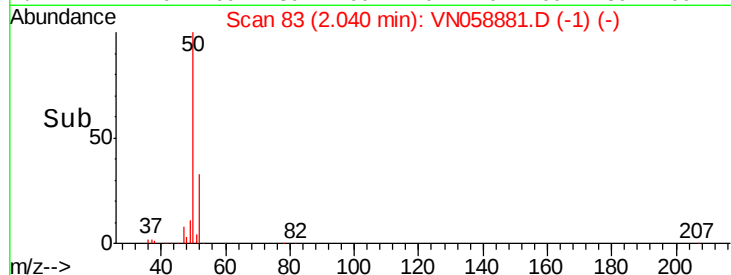
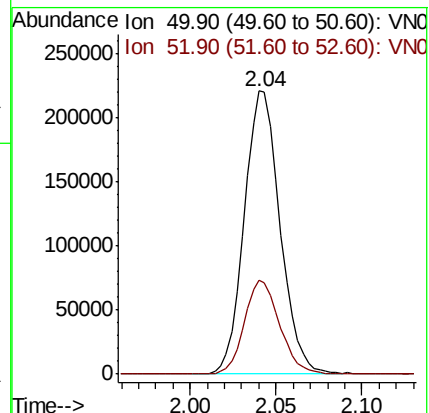
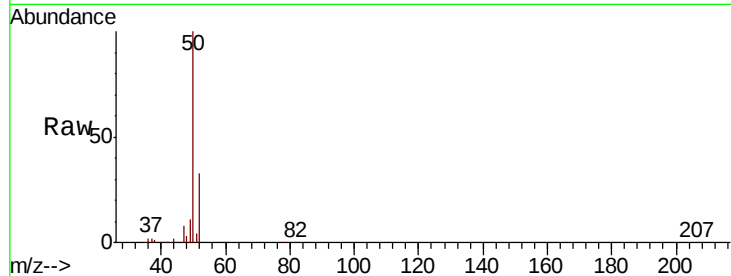
FA19-JBW7326BMSD

Tot Ion: 50 Resp: 319243

Ion Ratio Lower Upper

50 100

52 33.1 25.7 38.5



#4

Vinyl Chloride

Concen: 49.670 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058881.D

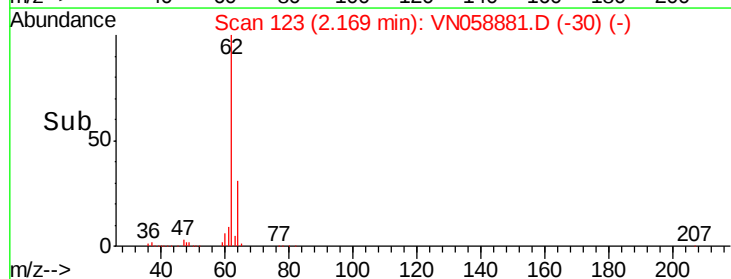
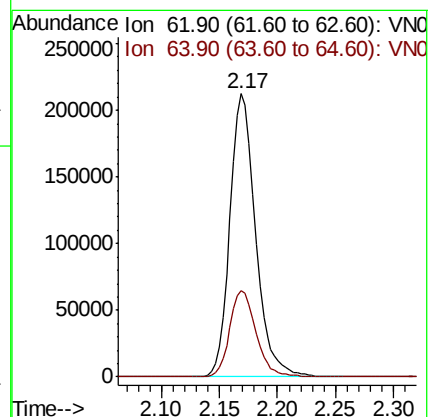
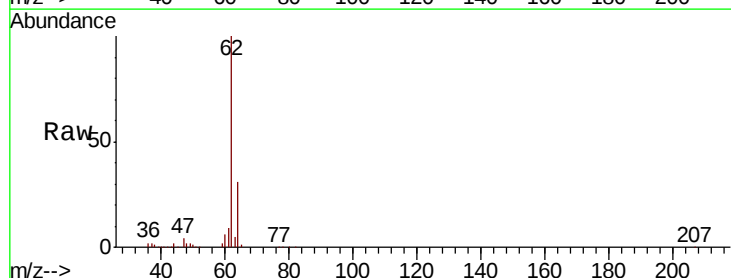
Acq: 21 Oct 2019 12:33

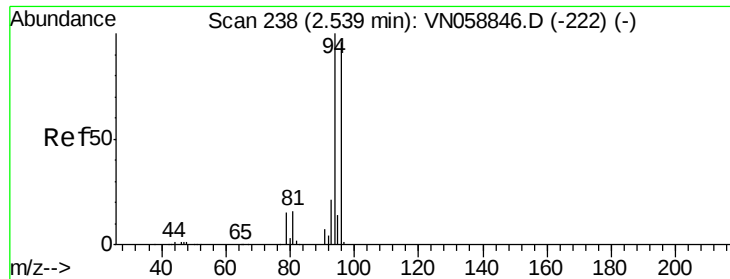
Tgt Ion: 62 Resp: 326897

Ion Ratio Lower Upper

62 100

64 30.6 24.6 36.8





#5

Bromomethane

Concen: 48.288 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

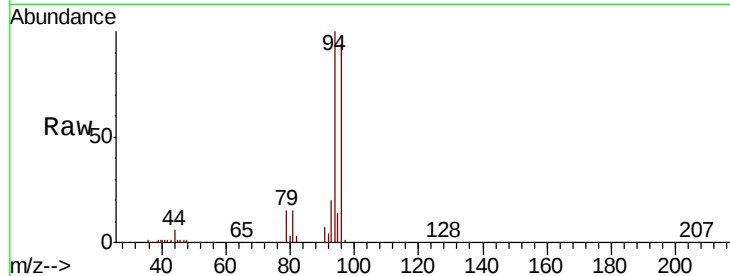
FA19-JBW7326BMSD

Tot Ion: 94 Resp: 199010

Ion Ratio Lower Upper

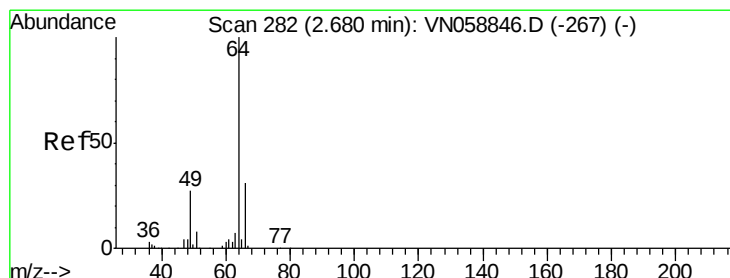
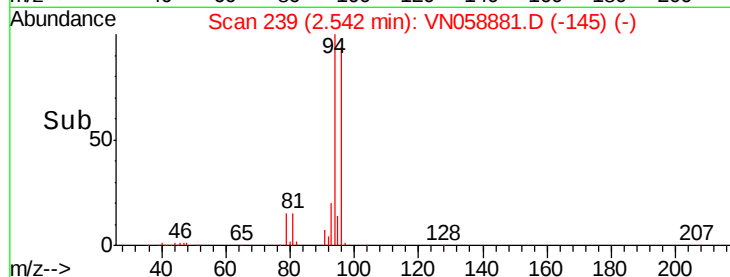
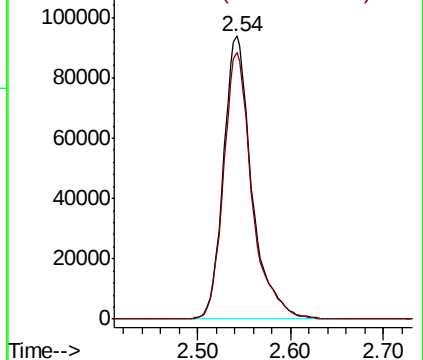
94 100

96 94.0 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.982 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058881.D

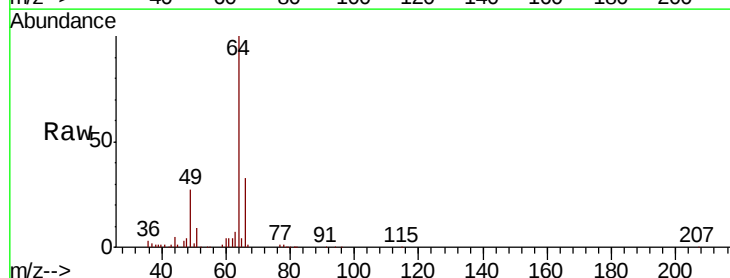
Acq: 21 Oct 2019 12:33

Tgt Ion: 64 Resp: 198287

Ion Ratio Lower Upper

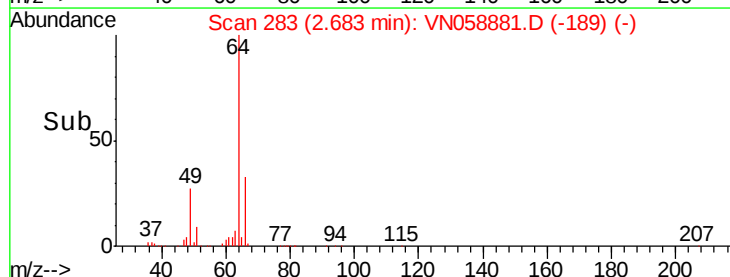
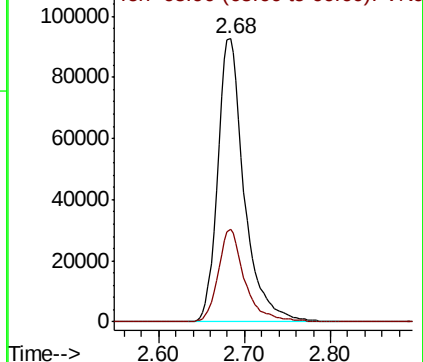
64 100

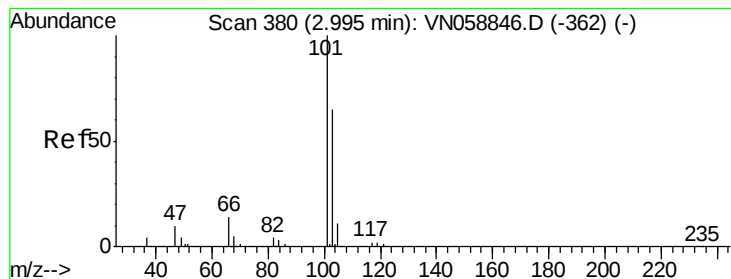
66 32.6 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



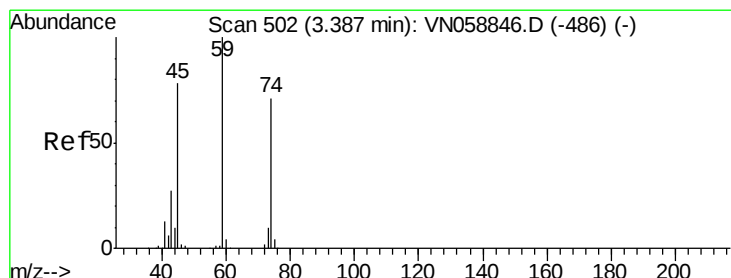
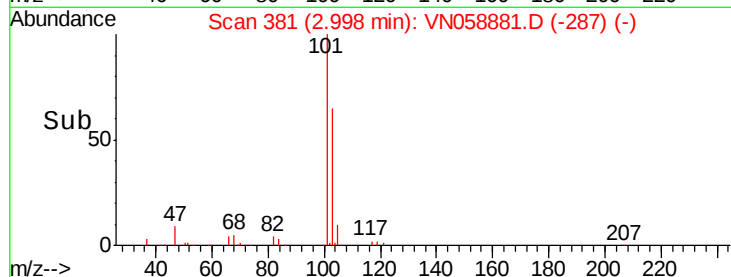
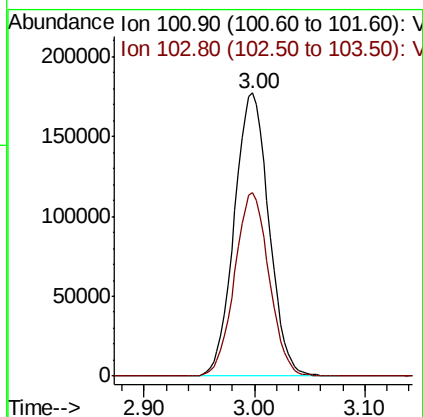
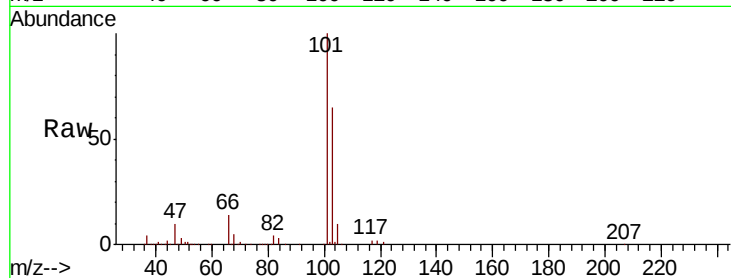


#7

Trichlorofluoromethane
Concen: 47.278 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058881.D
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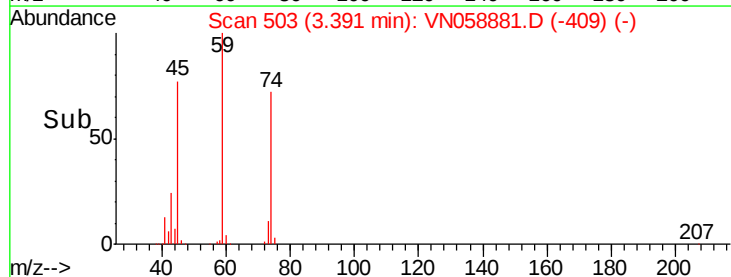
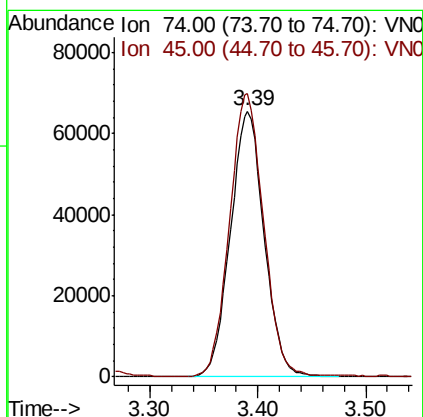
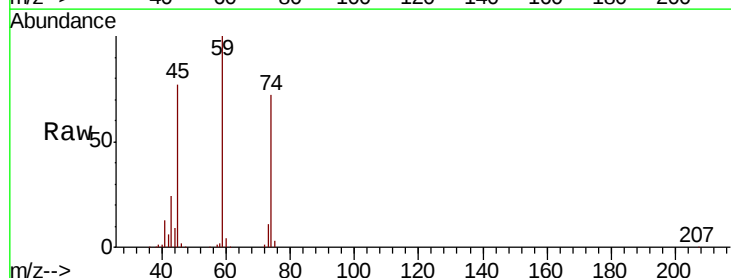
Tot Ion:101 Resp: 384994
Ion Ratio Lower Upper
101 100
103 64.7 52.2 78.2

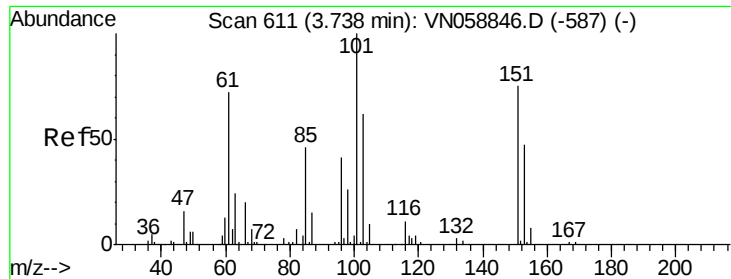


#8

Diethyl Ether
Concen: 50.773 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion: 74 Resp: 142878
Ion Ratio Lower Upper
74 100
45 107.8 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.619 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

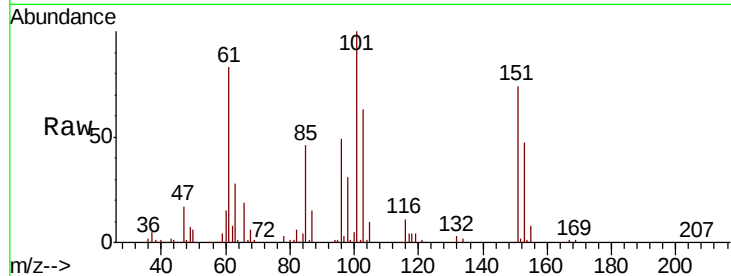
Tot Ion:101 Resp: 214973

Ion Ratio Lower Upper

101 100

85 46.3 37.2 55.8

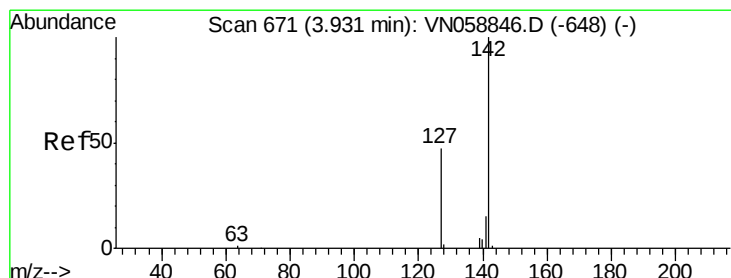
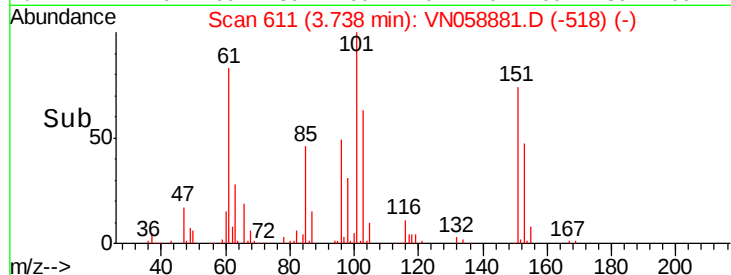
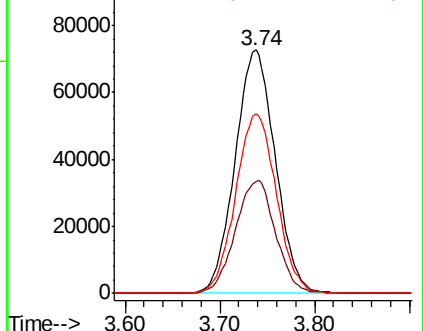
151 74.5 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.648 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

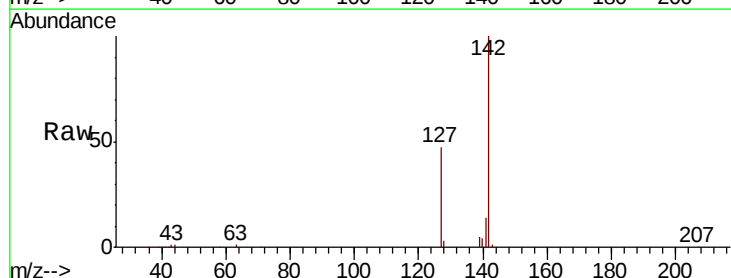
Tgt Ion:142 Resp: 294785

Ion Ratio Lower Upper

142 100

127 46.0 36.6 54.8

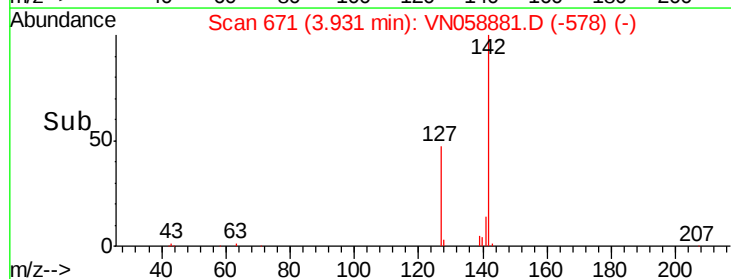
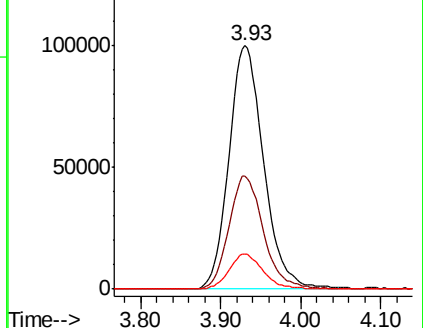
141 14.1 11.4 17.2



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



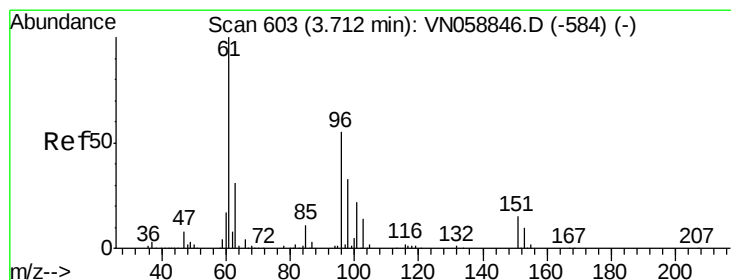
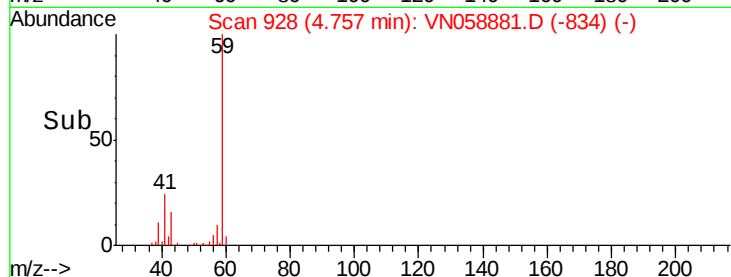
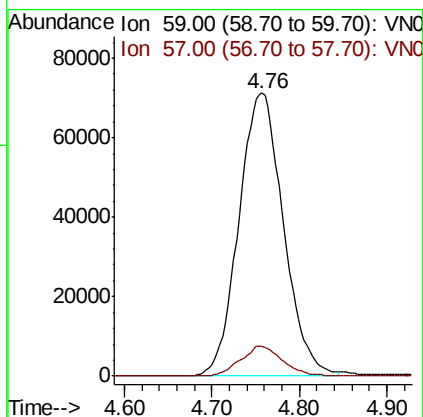
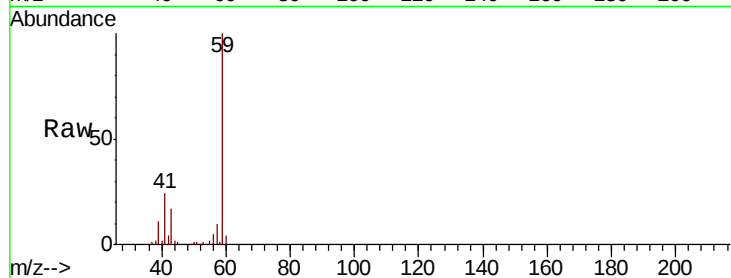


#11

Tert butyl alcohol
Concen: 240.686 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

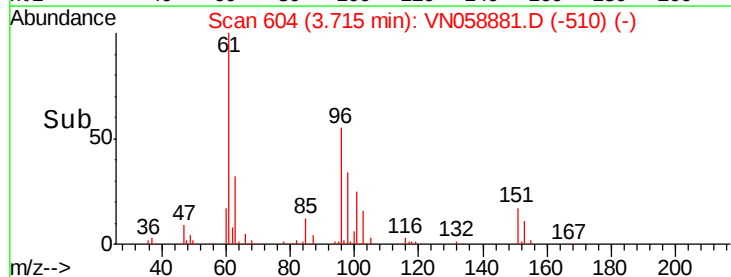
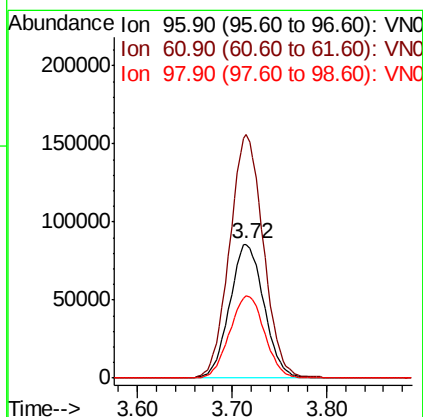
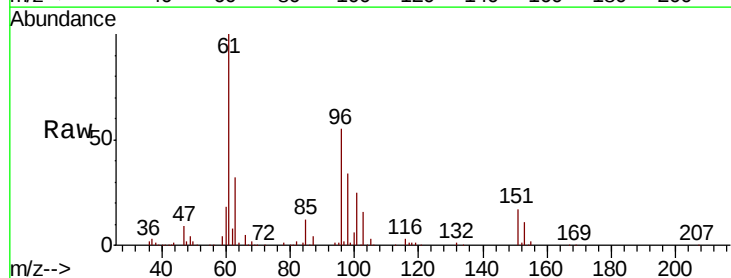
Tot Ion: 59 Resp: 251451
Ion Ratio Lower Upper
59 100
57 10.1 8.6 12.8

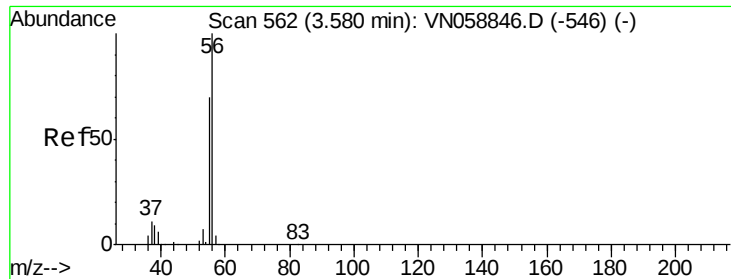


#12

1,1-Dichloroethene
Concen: 51.222 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion: 96 Resp: 216749
Ion Ratio Lower Upper
96 100
61 182.1 146.2 219.2
98 61.3 48.7 73.1





#13

Acrolein

Concen: 246.939 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

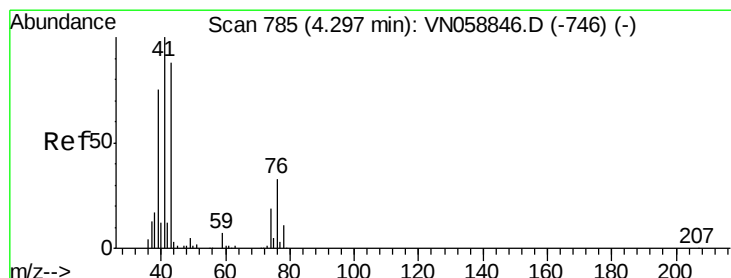
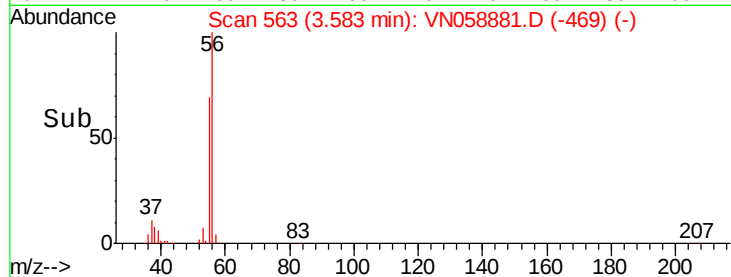
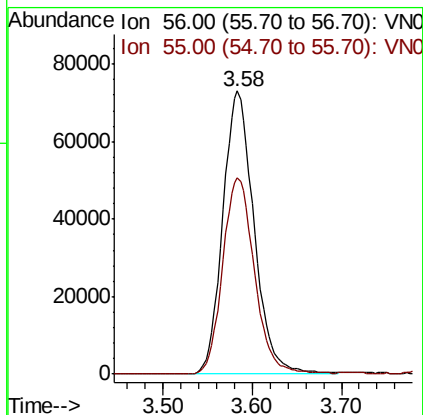
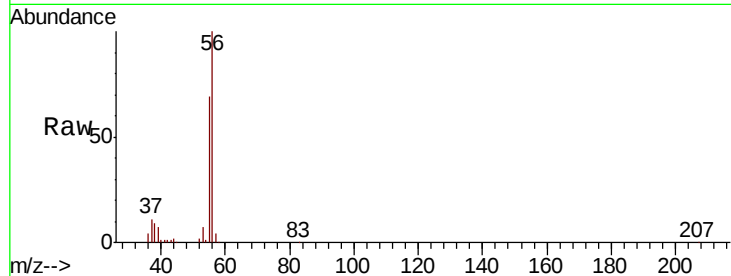
FA19-JBW7326BMSD

Tot Ion: 56 Resp: 177262

Ion Ratio Lower Upper

56 100

55 70.9 56.6 85.0



#14

Allyl chloride

Concen: 50.784 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

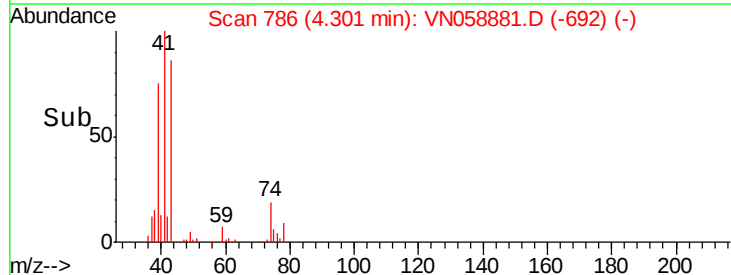
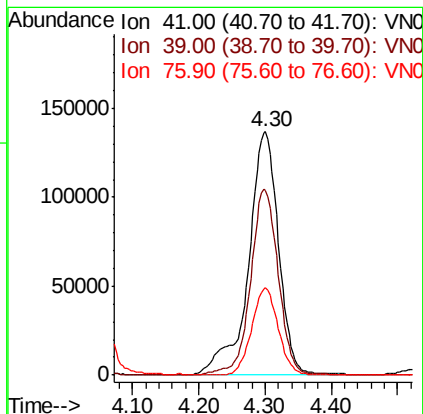
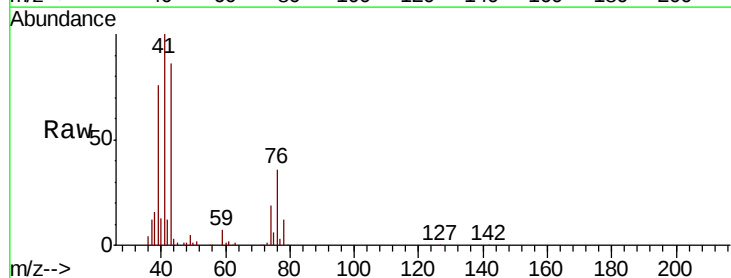
Tgt Ion: 41 Resp: 434851

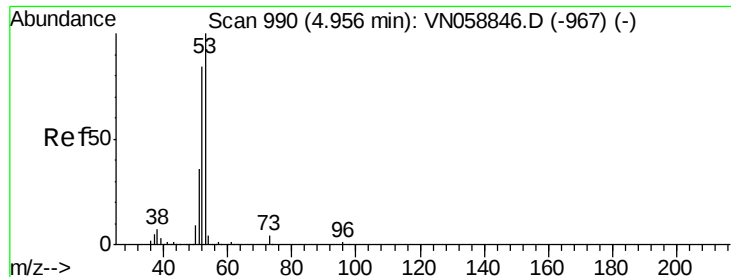
Ion Ratio Lower Upper

41 100

39 69.2 55.9 83.9

76 31.0 24.1 36.1





#15

Acrylonitrile

Concen: 257.462 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

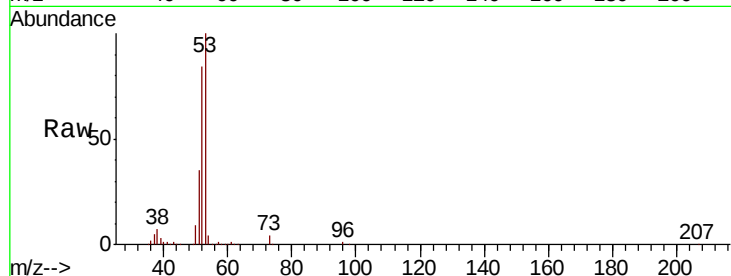
Tot Ion: 53 Resp: 676587

Ion Ratio Lower Upper

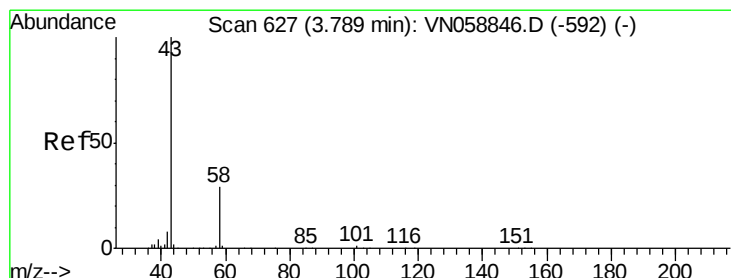
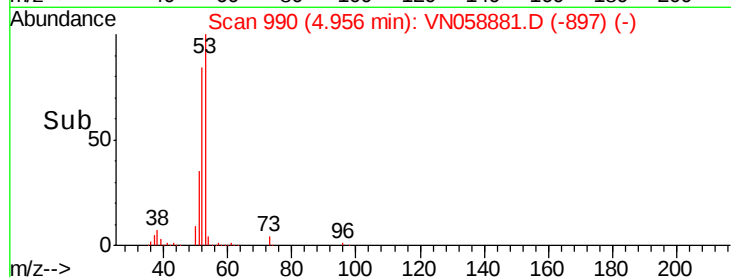
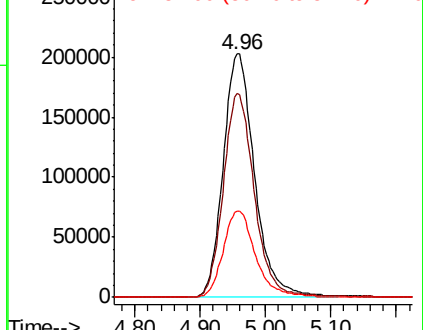
53 100

52 82.7 66.6 99.8

51 36.5 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 192.720 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058881.D

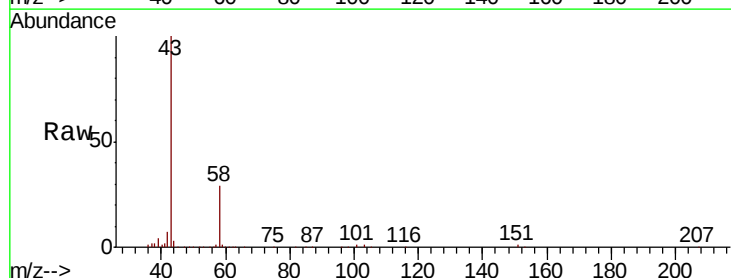
Acq: 21 Oct 2019 12:33

Tgt Ion: 43 Resp: 599535

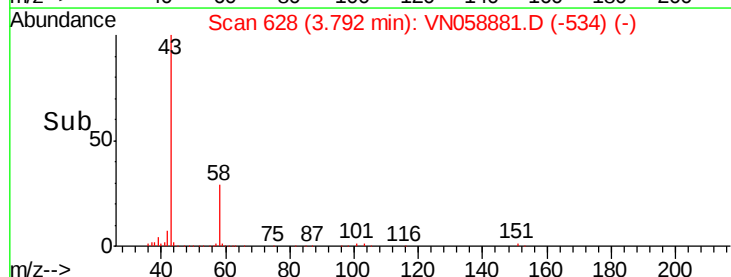
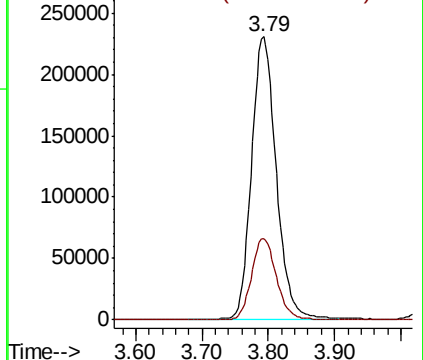
Ion Ratio Lower Upper

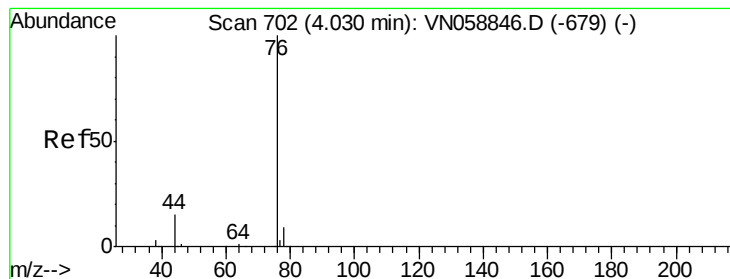
43 100

58 28.9 23.1 34.7



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





#17

Carbon Disulfide

Concen: 48.660 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

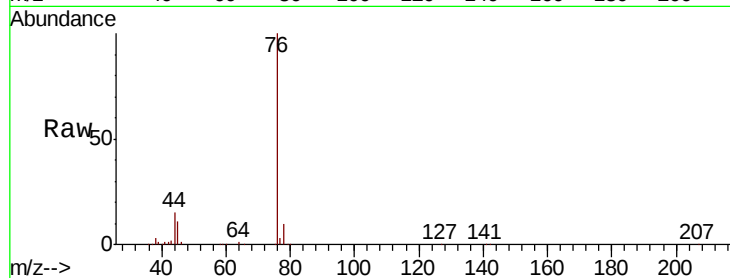
FA19-JBW7326BMSD

Tot Ion: 76 Resp: 663284

Ion Ratio Lower Upper

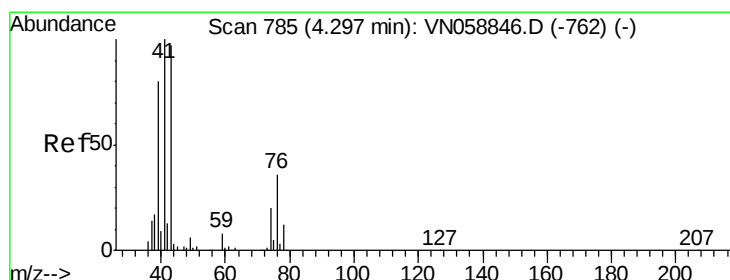
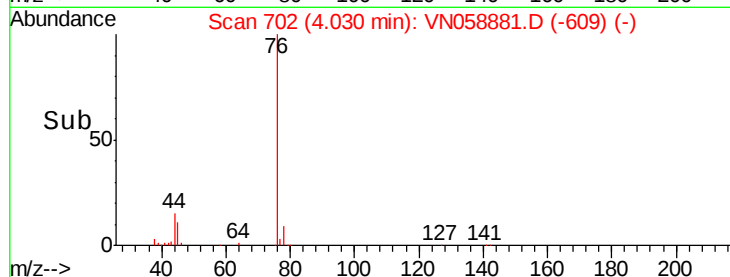
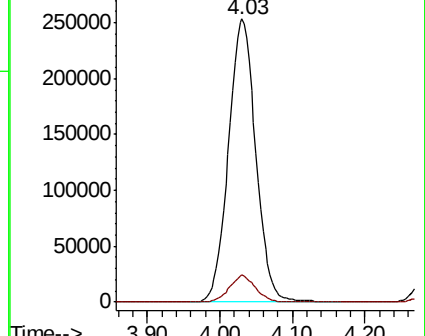
76 100

78 9.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN058881.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN058881.D (-609) (-)



#18

Methyl Acetate

Concen: 47.240 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058881.D

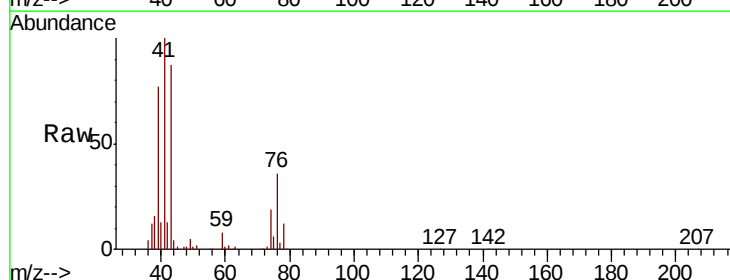
Acq: 21 Oct 2019 12:33

Tgt Ion: 43 Resp: 334112

Ion Ratio Lower Upper

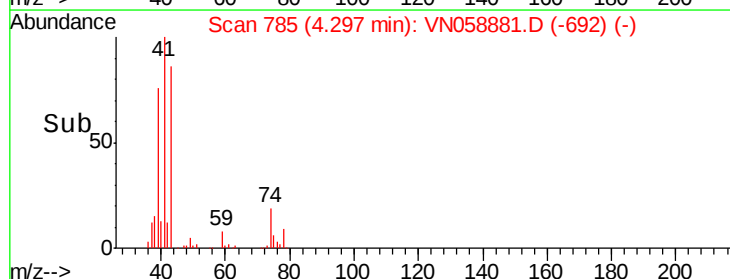
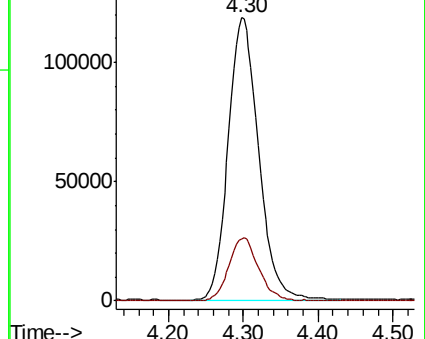
43 100

74 21.9 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN058881.D (-692) (-)

Ion 74.00 (73.70 to 74.70): VN058881.D (-692) (-)

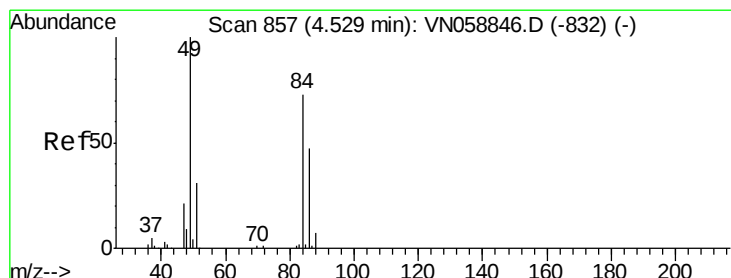
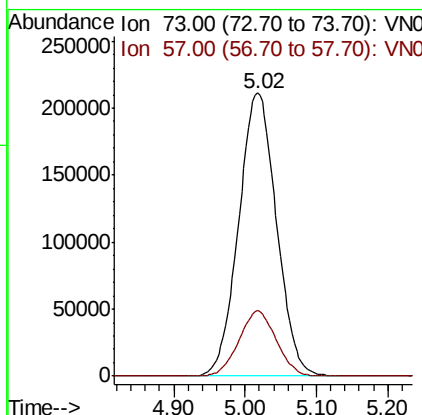
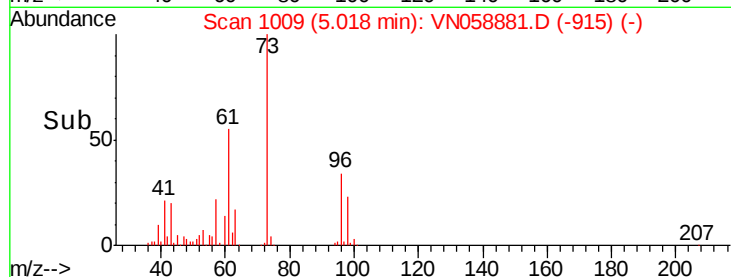
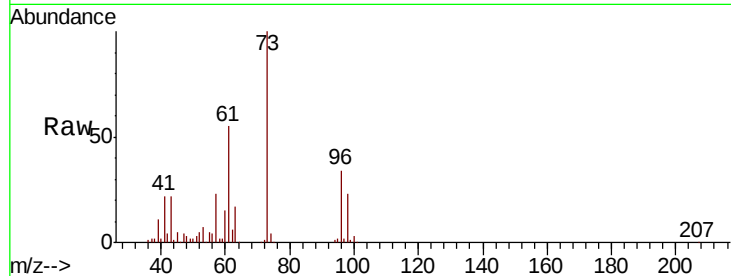




#19
Methvl tert-butvl Ether
Concen: 52.595 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

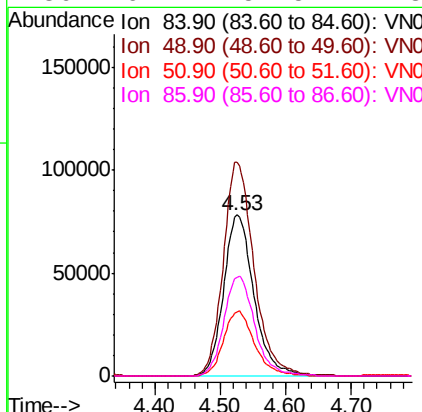
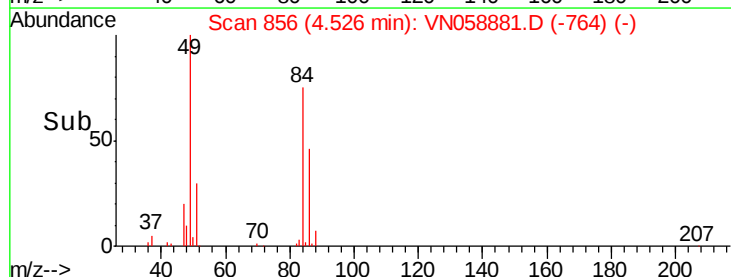
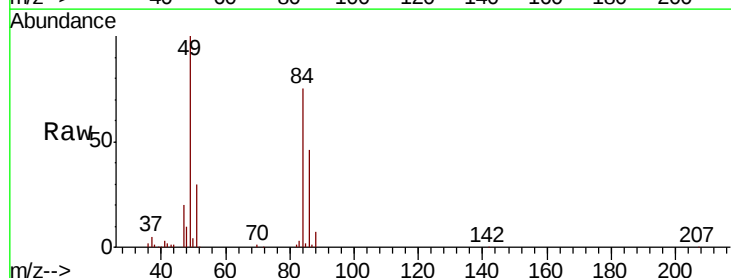
Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

Tot Ion: 73 Resp: 779304
Ion Ratio Lower Upper
73 100
57 23.1 17.9 26.9



#20
Methylene Chloride
Concen: 47.530 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion: 84 Resp: 252479
Ion Ratio Lower Upper
84 100
49 132.7 109.6 164.4
51 40.1 33.8 50.6
86 61.4 51.5 77.3

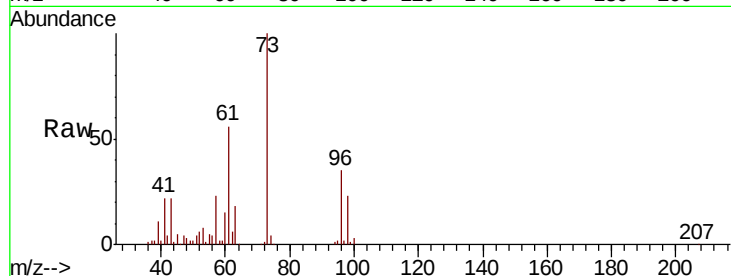




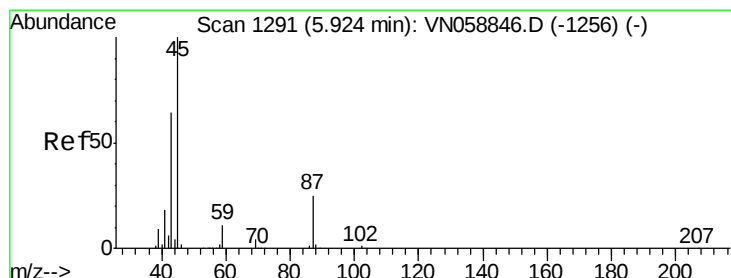
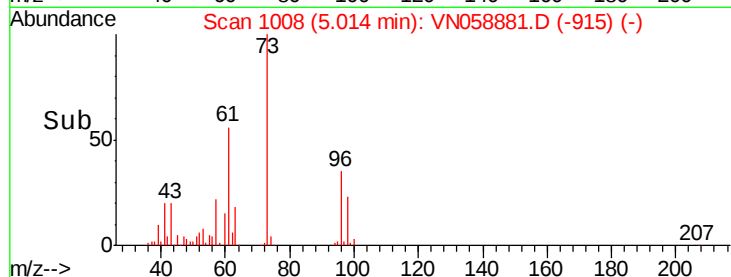
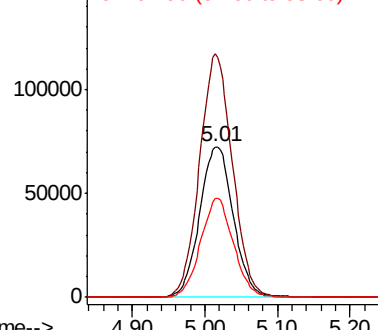
#21
trans-1,2-Dichloroethene
Concen: 50.152 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

Tot Ion: 96 Resp: 234370
Ion Ratio Lower Upper
96 100
61 161.8 126.7 190.1
98 65.5 52.0 78.0

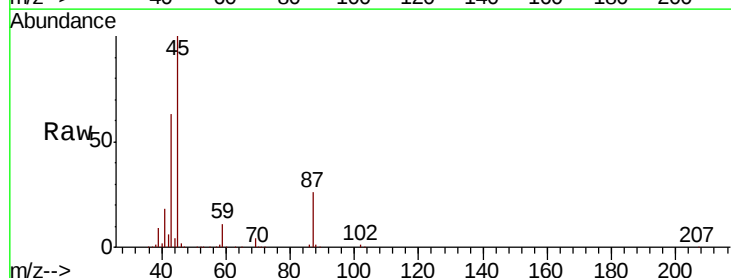


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

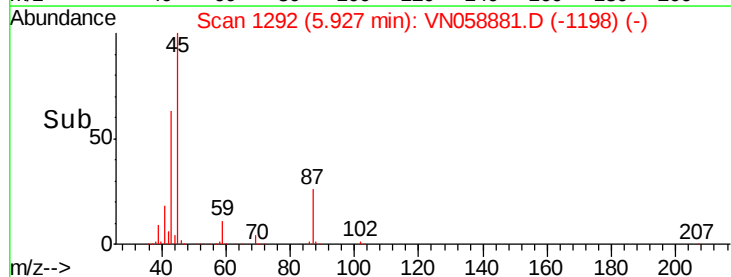
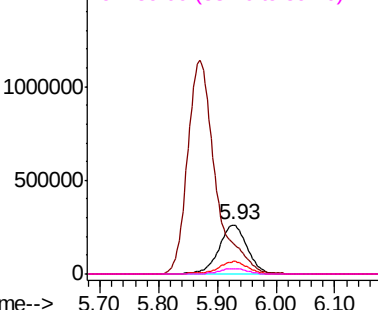


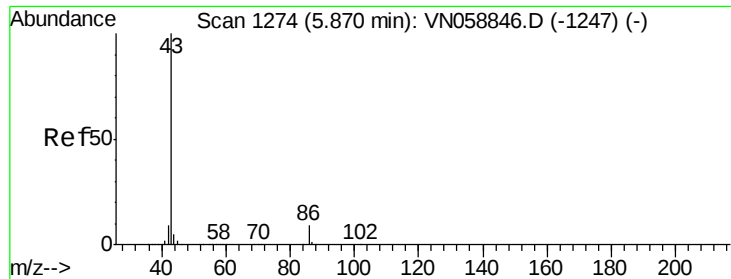
#22
Diisopropyl ether
Concen: 52.383 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion: 45 Resp: 877346
Ion Ratio Lower Upper
45 100
43 62.6 52.9 79.3
87 25.6 20.2 30.4
59 11.2 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 278.998 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

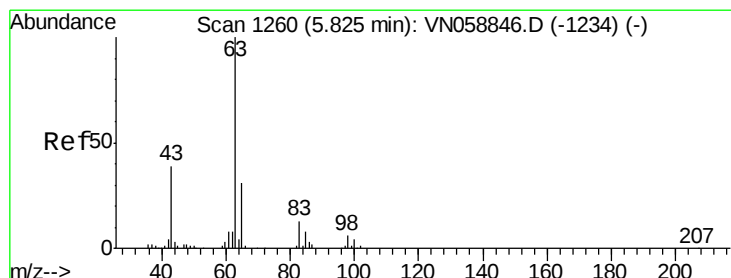
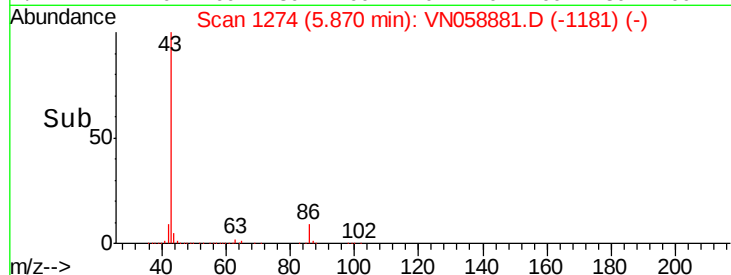
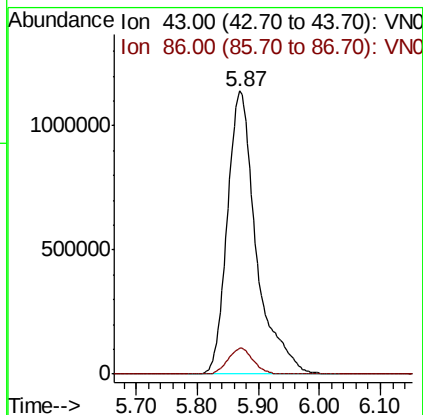
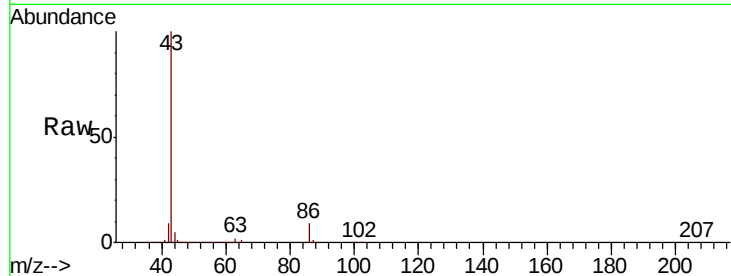
FA19-JBW7326BMSD

Tot Ion: 43 Resp: 3754249

Ion Ratio Lower Upper

43 100

86 9.2 7.2 10.8



#24

1,1-Dichloroethane

Concen: 50.196 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

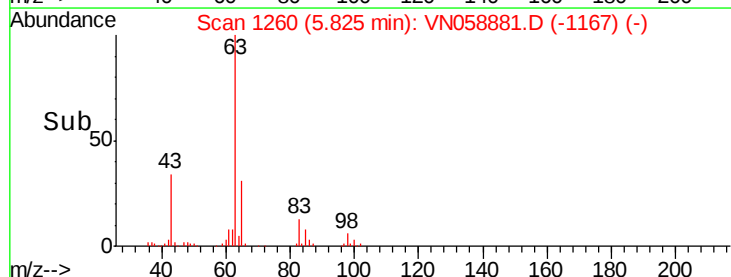
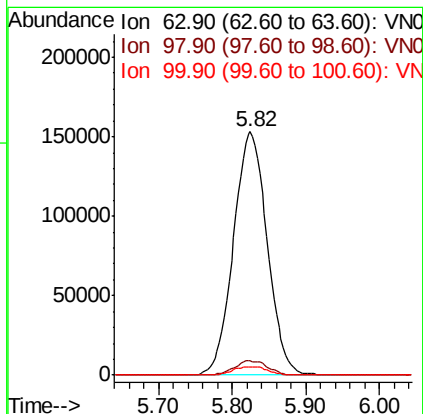
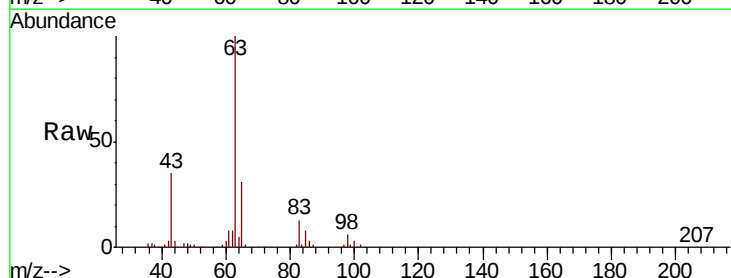
Tgt Ion: 63 Resp: 487476

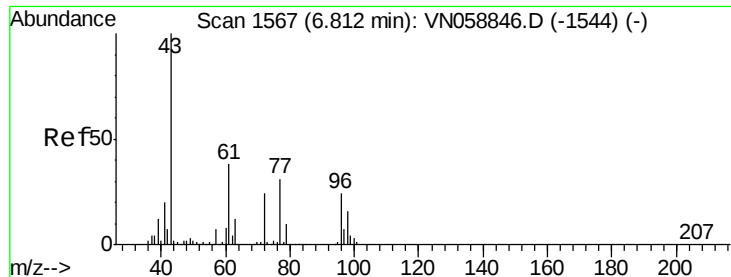
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.4 1.9 5.7





#25

2-Butanone

Concen: 231.998 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

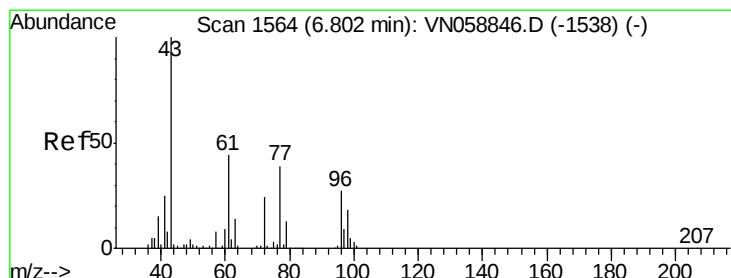
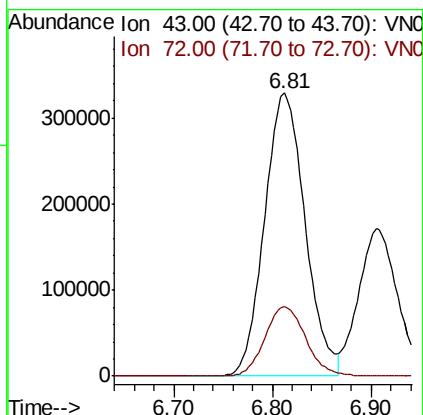
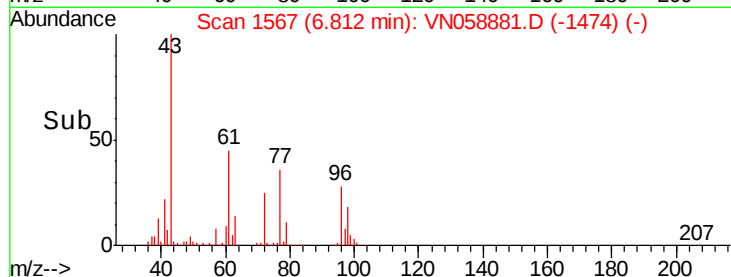
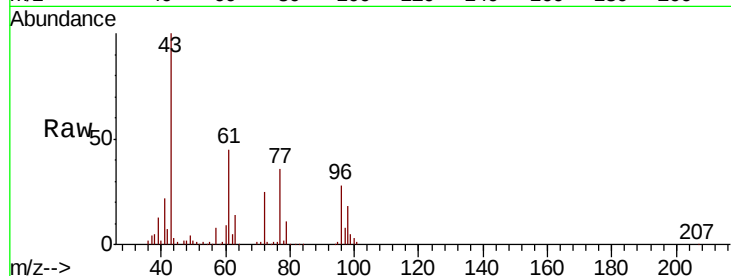
FA19-JBW7326BMSD

Tot Ion: 43 Resp: 936875

Ion Ratio Lower Upper

43 100

72 24.6 19.1 28.7



#26

2,2-Dichloropropane

Concen: 49.675 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058881.D

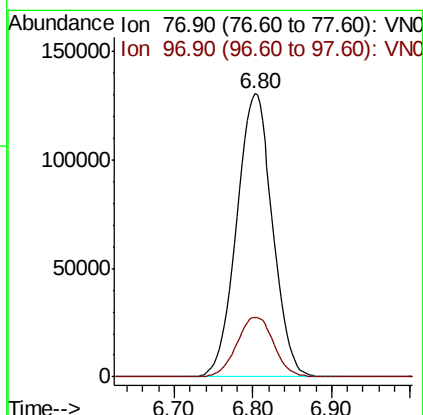
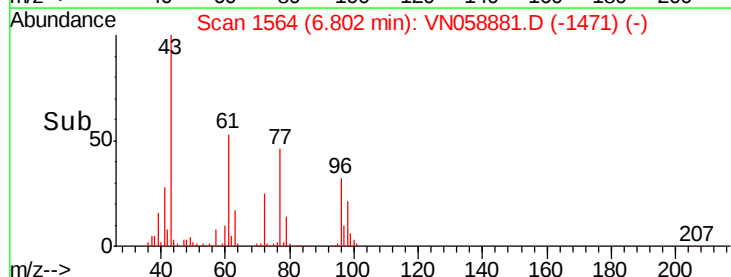
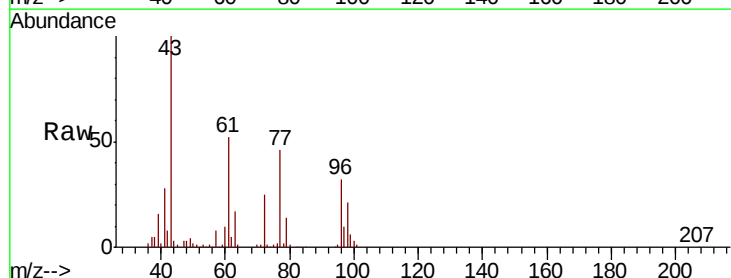
Acq: 21 Oct 2019 12:33

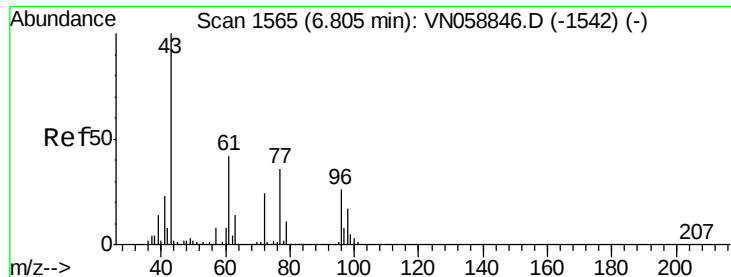
Tgt Ion: 77 Resp: 417275

Ion Ratio Lower Upper

77 100

97 21.7 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 52.305 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

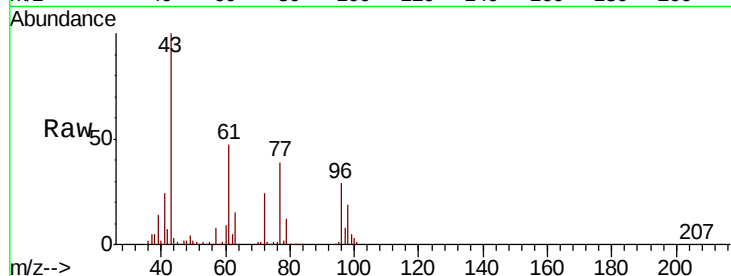
Tot Ion: 96 Resp: 279229

Ion Ratio Lower Upper

96 100

61 161.5 0.0 325.0

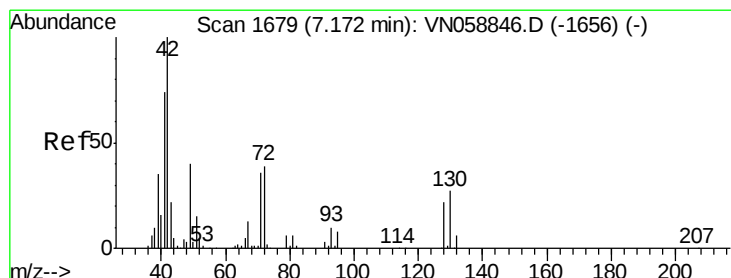
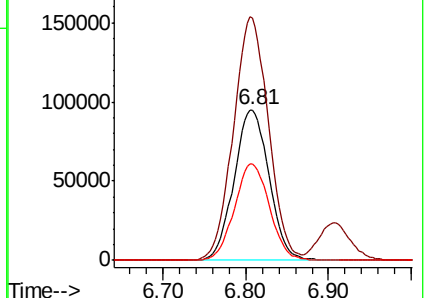
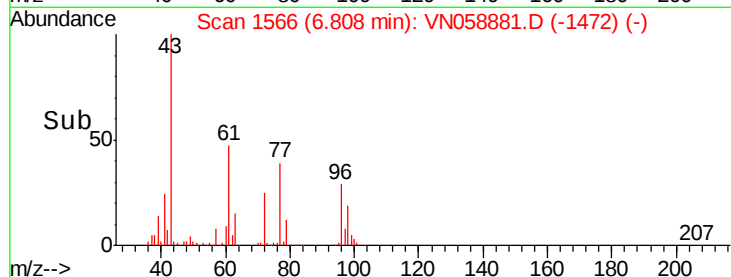
98 64.0 0.0 128.0



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



#28

Bromochloromethane

Concen: 49.605 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

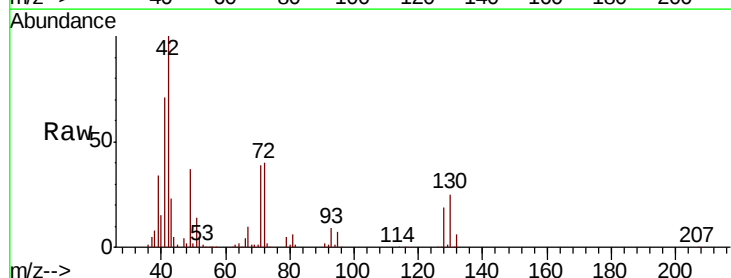
Tgt Ion: 49 Resp: 160438

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.2

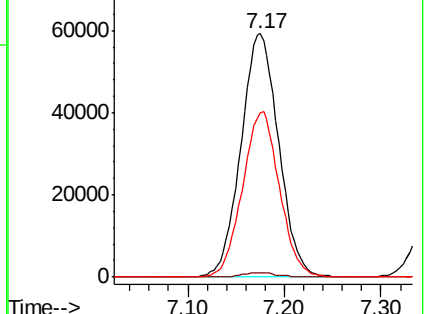
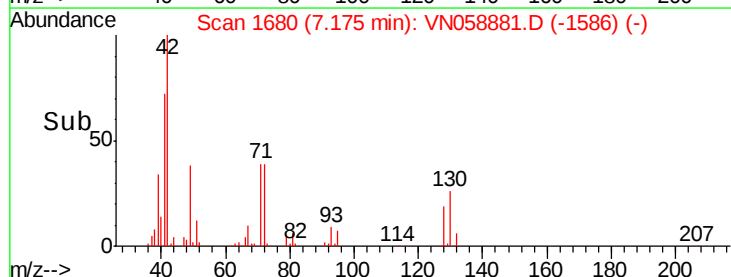
130 66.5 53.5 80.3

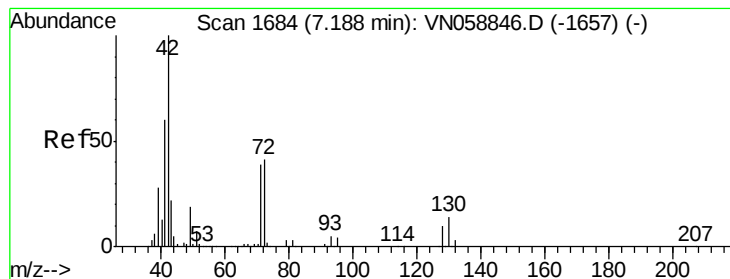


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 255.130 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

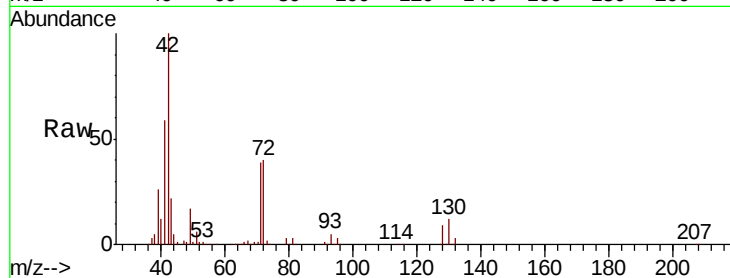
Tot Ion: 42 Resp: 630262

Ion Ratio Lower Upper

42 100

72 40.5 32.2 48.2

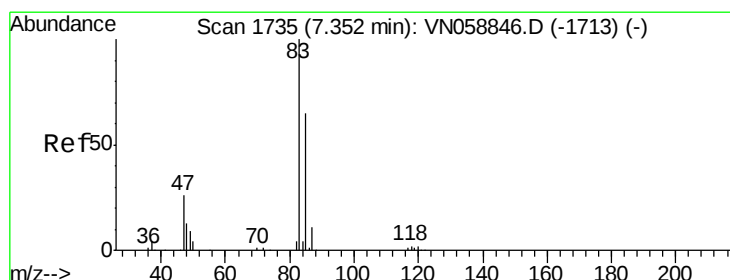
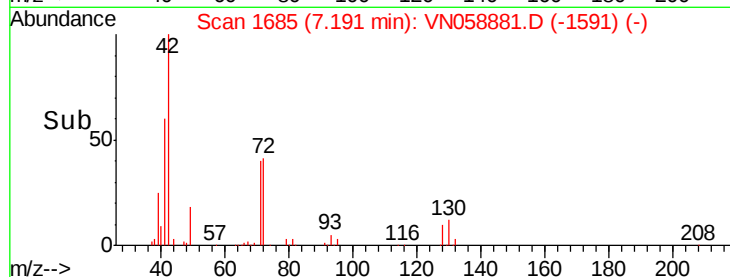
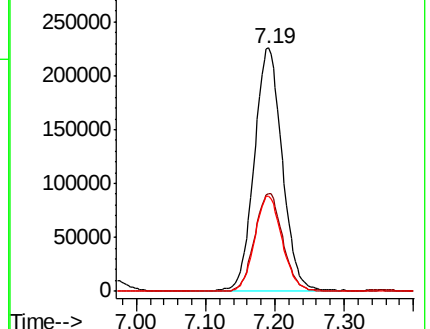
71 38.4 30.6 45.8



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: 48.241 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN058881.D

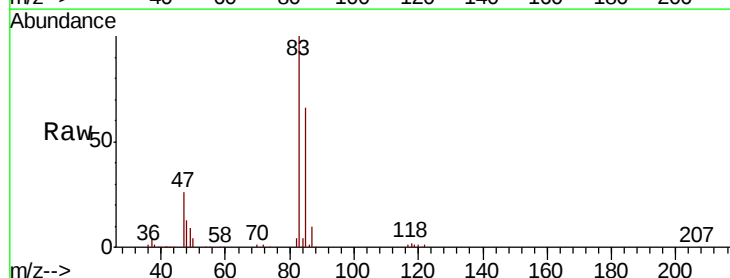
Acq: 21 Oct 2019 12:33

Tgt Ion: 83 Resp: 469948

Ion Ratio Lower Upper

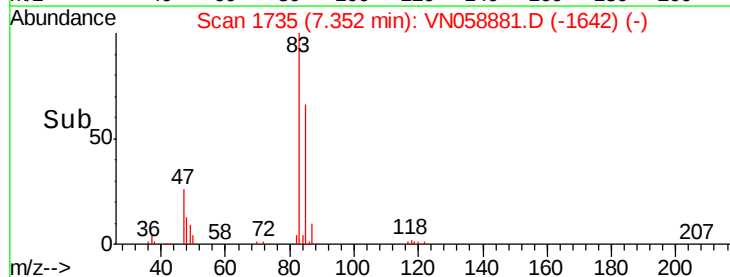
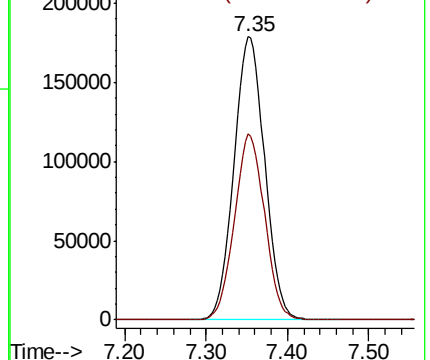
83 100

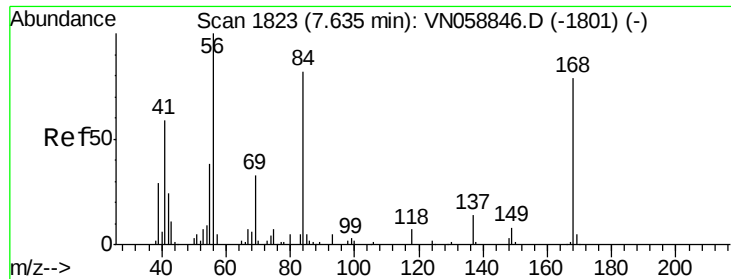
85 65.6 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

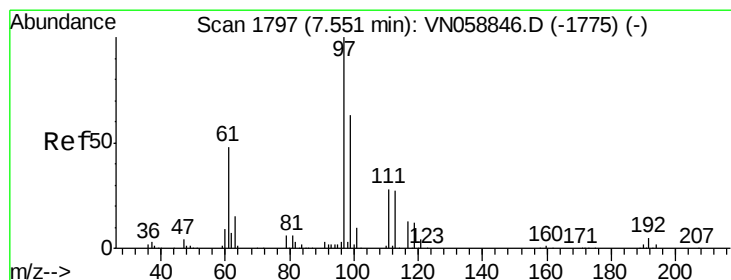
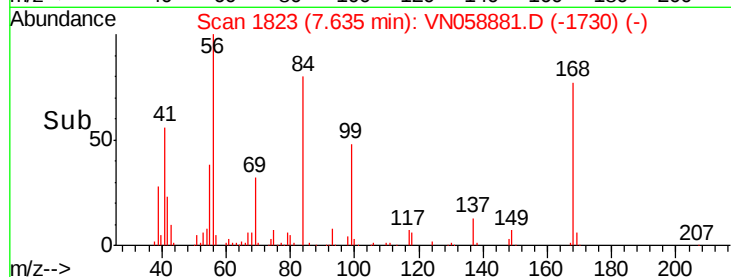
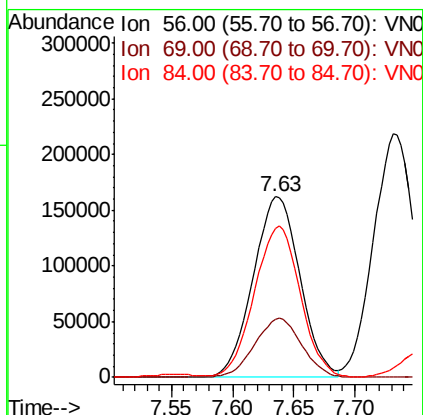
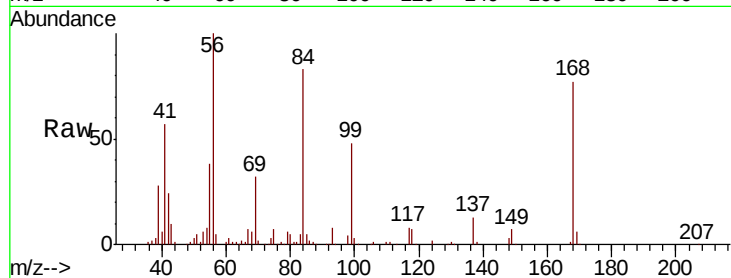




#31
Cyclohexane
Concen: 47.832 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

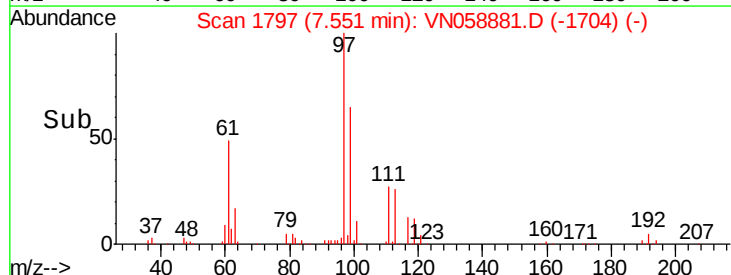
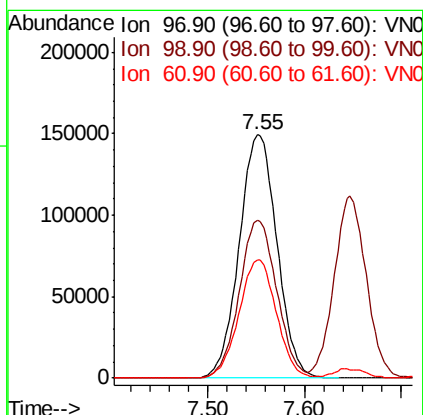
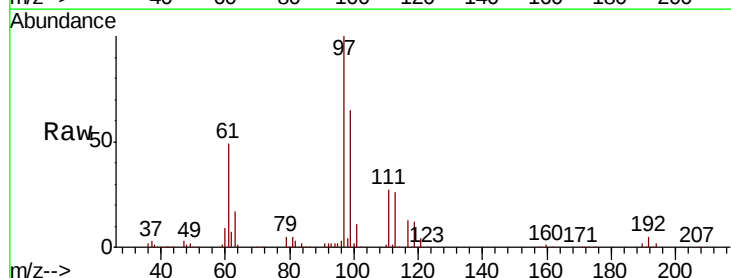
Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

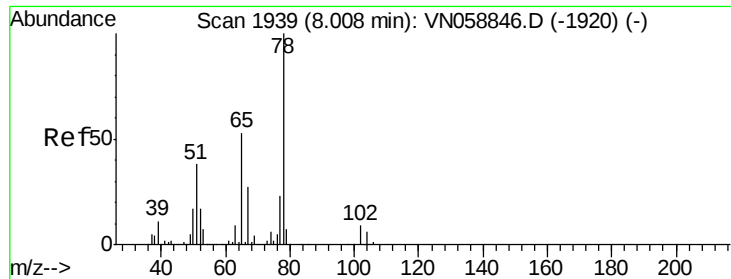
Tot Ion: 56 Resp: 432752
Ion Ratio Lower Upper
56 100
69 32.4 26.2 39.4
84 81.2 65.6 98.4



#32
1,1,1-Trichloroethane
Concen: 49.436 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion: 97 Resp: 405930
Ion Ratio Lower Upper
97 100
99 64.3 51.0 76.4
61 48.2 38.6 58.0

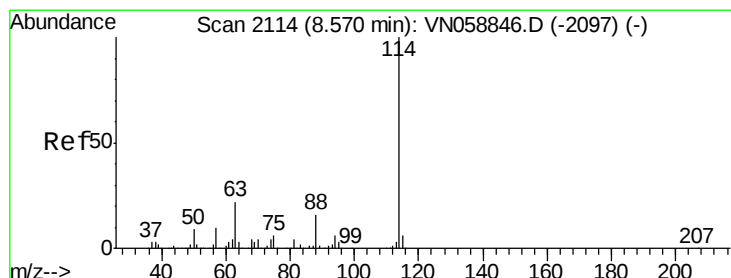
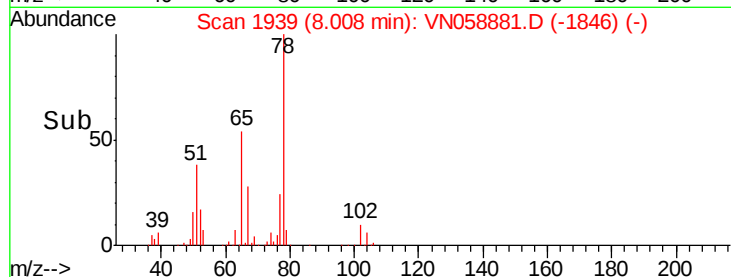
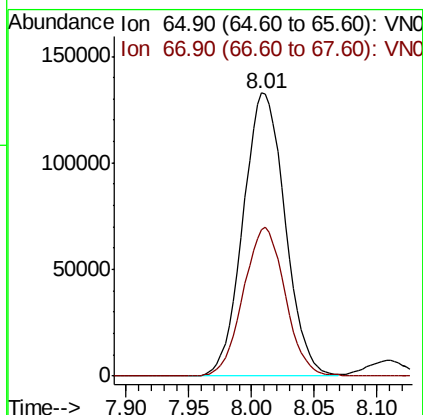
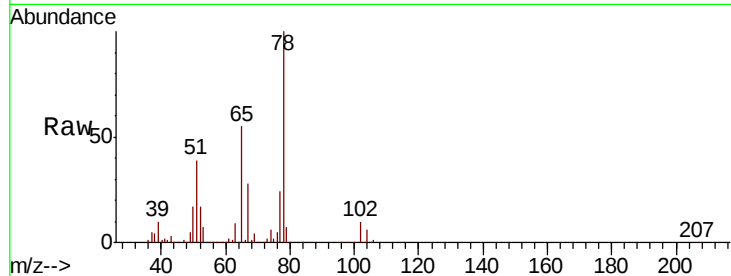




#33
 1,2-Dichloroethane-d4
 Concen: 49.202 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058881.D
 Acq: 21 Oct 2019 12:33

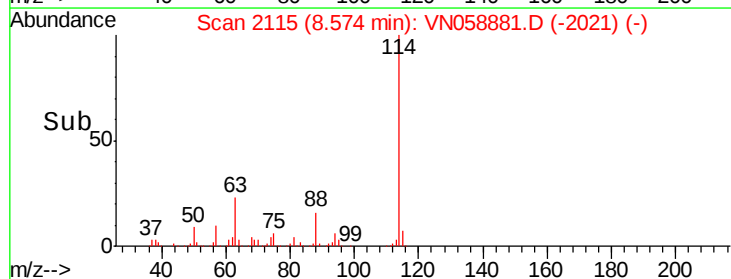
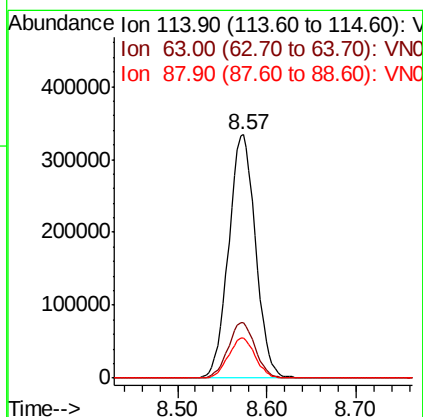
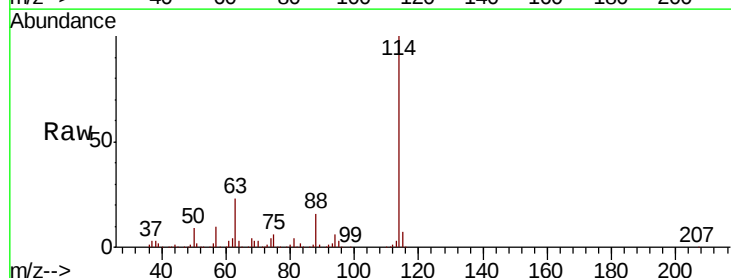
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMSD

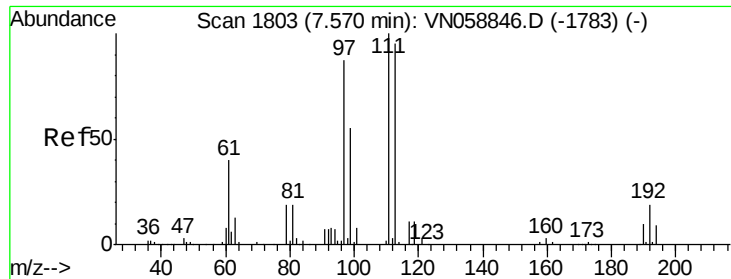
Tot Ion: 65 Resp: 309758
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058881.D
 Acq: 21 Oct 2019 12:33

Tgt Ion: 114 Resp: 697462
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 44.4
 88 16.5 0.0 31.4

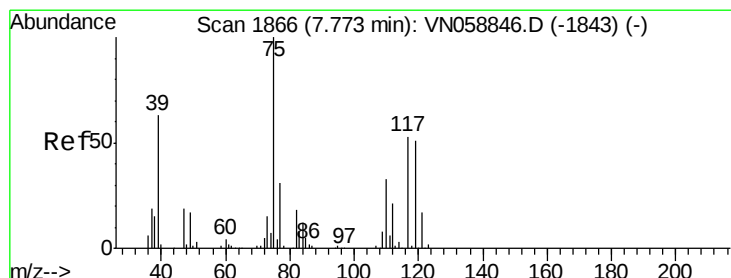
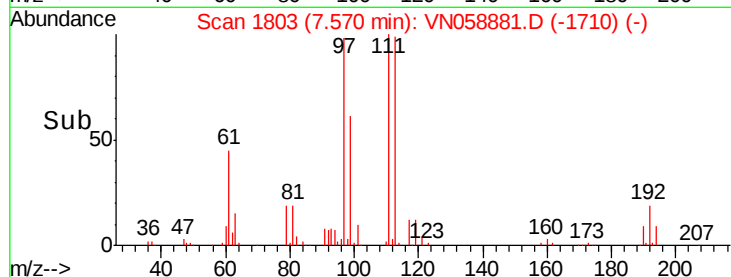
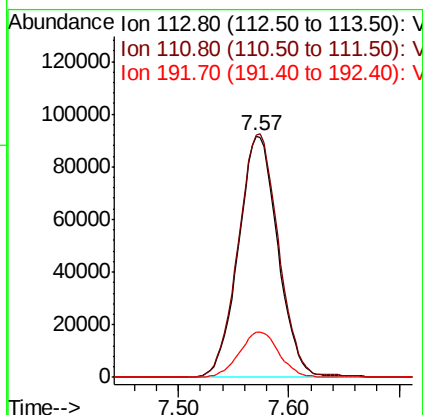
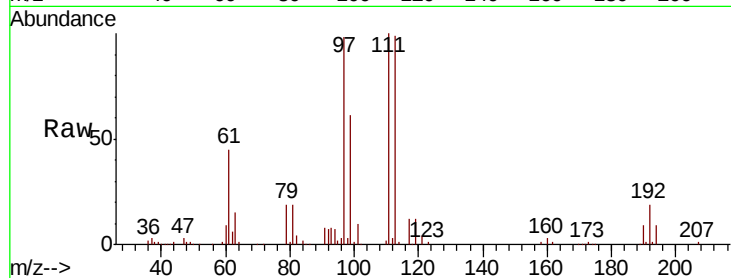




#35
 Dibromofluoromethane
 Concen: 49.265 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058881.D
 Acq: 21 Oct 2019 12:33

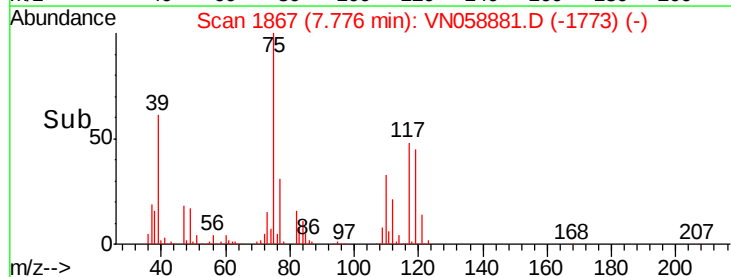
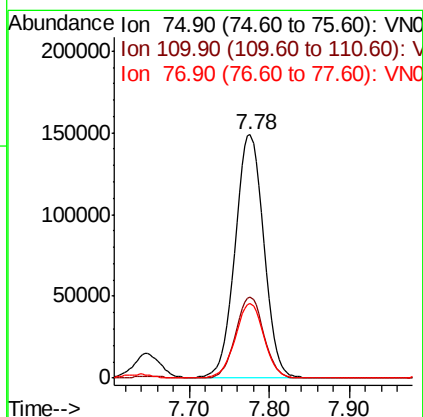
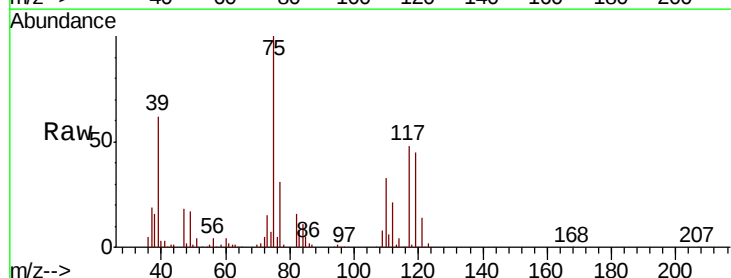
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMSD

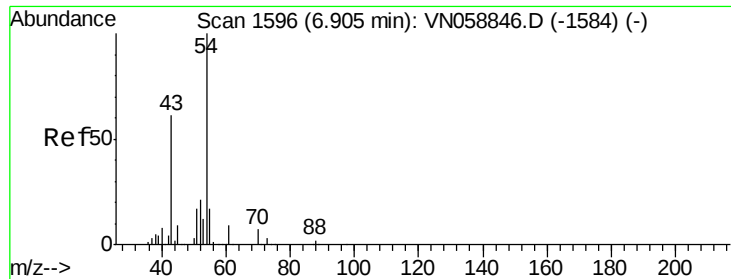
Tot Ion:113 Resp: 225913
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.0 123.0
 192 18.9 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 50.341 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058881.D
 Acq: 21 Oct 2019 12:33

Tgt Ion: 75 Resp: 359461
 Ion Ratio Lower Upper
 75 100
 110 32.5 16.3 48.9
 77 30.8 24.6 36.8

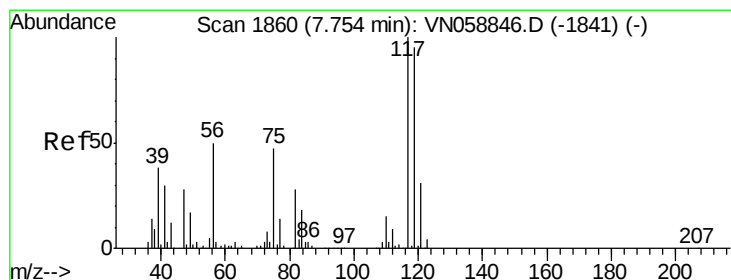
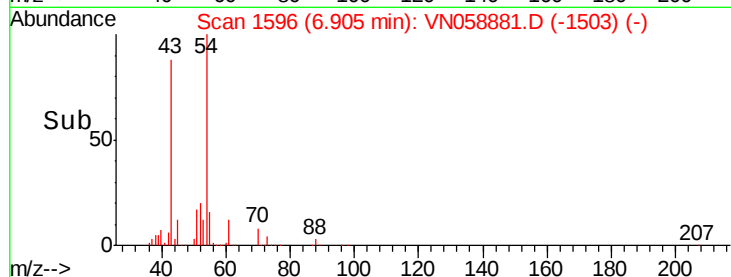
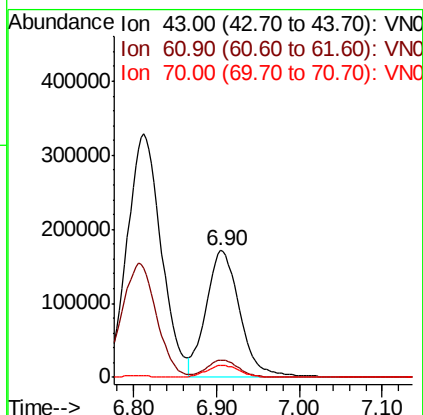
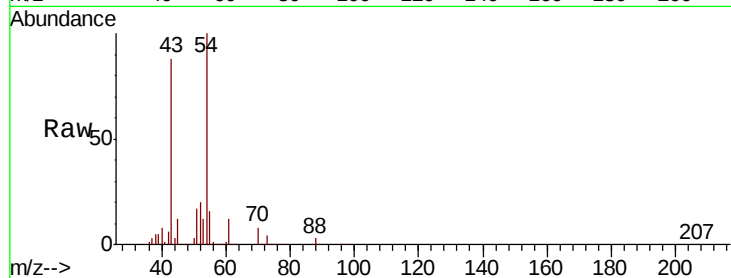




#37
Ethyl Acetate
Concen: 62.053 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

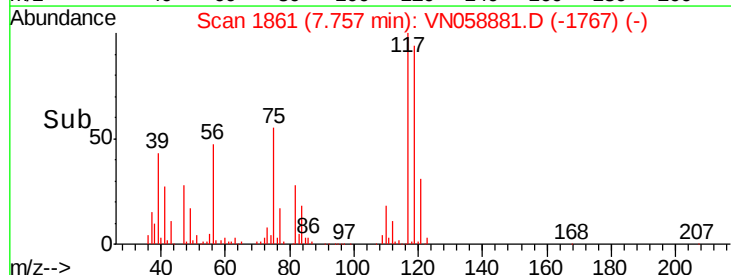
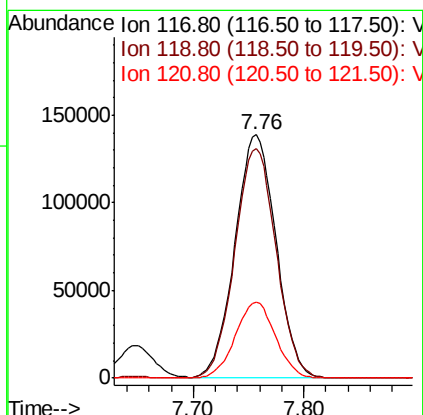
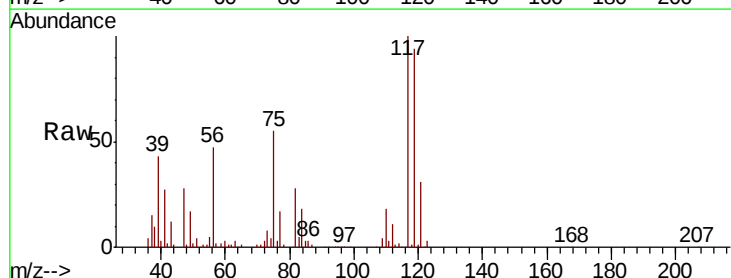
Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

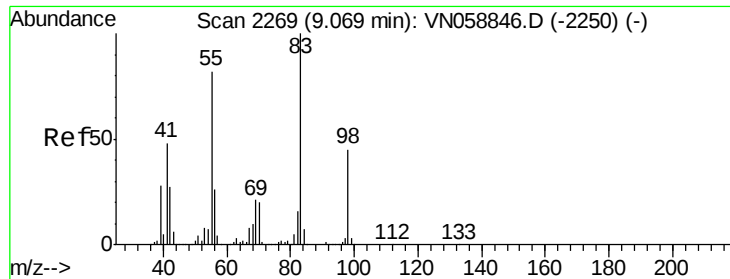
Tot Ion: 43 Resp: 482804
Ion Ratio Lower Upper
43 100
61 13.5 10.5 15.7
70 9.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 48.421 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion: 117 Resp: 356190
Ion Ratio Lower Upper
117 100
119 94.3 75.7 113.5
121 31.4 25.0 37.6

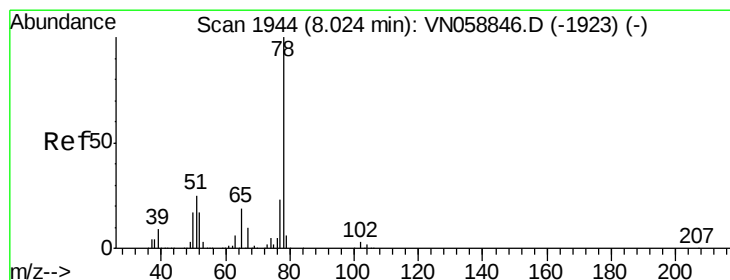
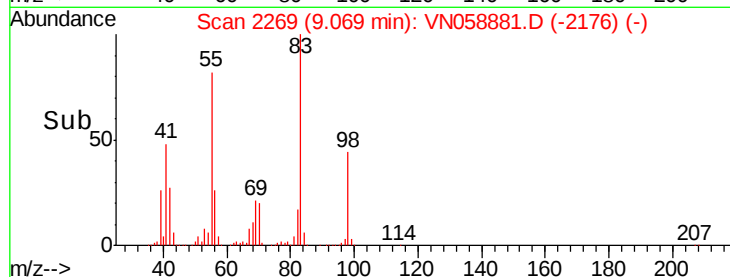
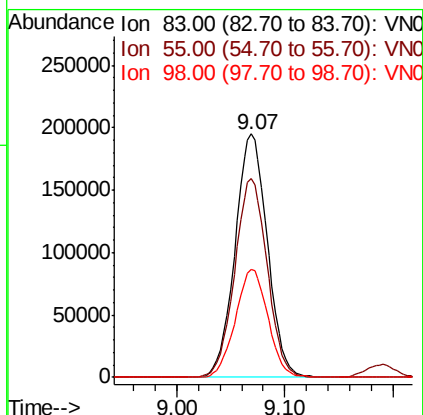
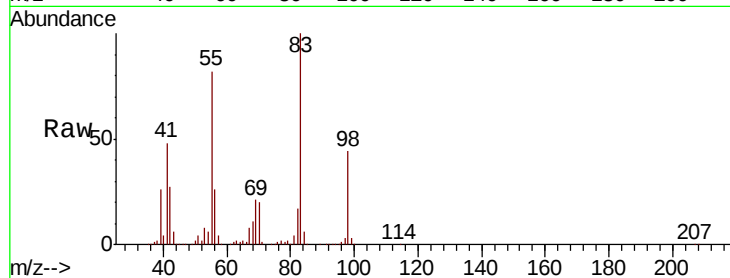




#39
Methvlcvclohexane
Concen: 50.686 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

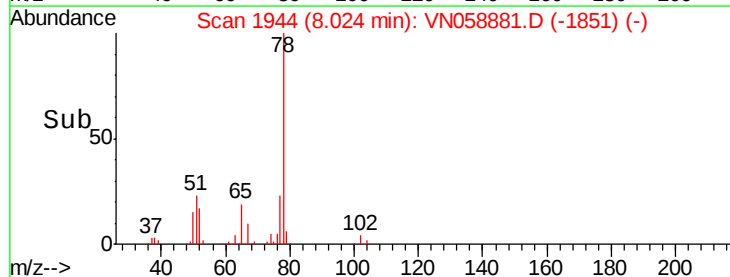
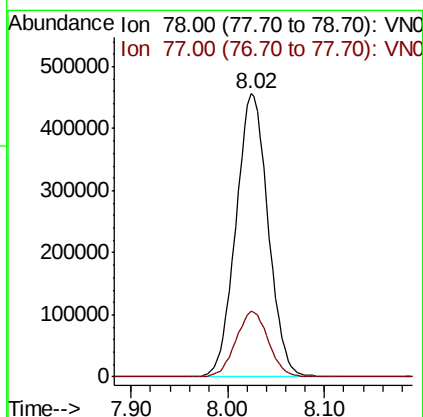
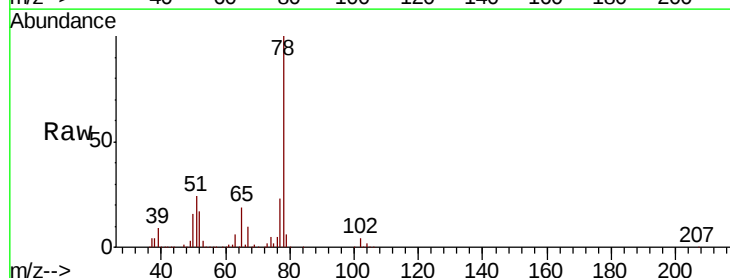
Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

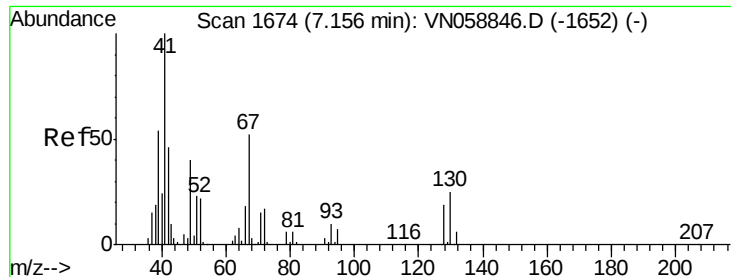
Tot Ion: 83 Resp: 406388
Ion Ratio Lower Upper
83 100
55 81.9 65.5 98.3
98 44.3 35.7 53.5



#40
Benzene
Concen: 50.393 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion: 78 Resp: 1056643
Ion Ratio Lower Upper
78 100
77 23.1 18.2 27.2

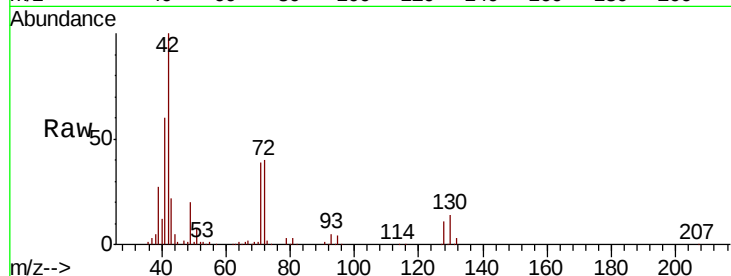




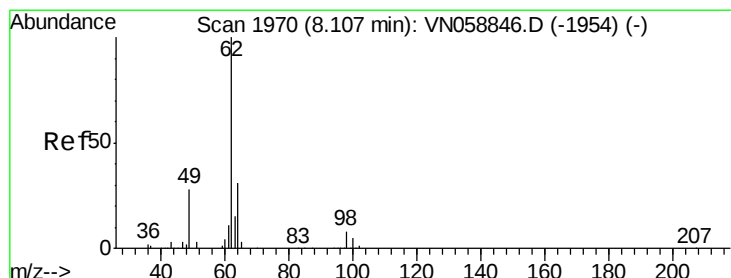
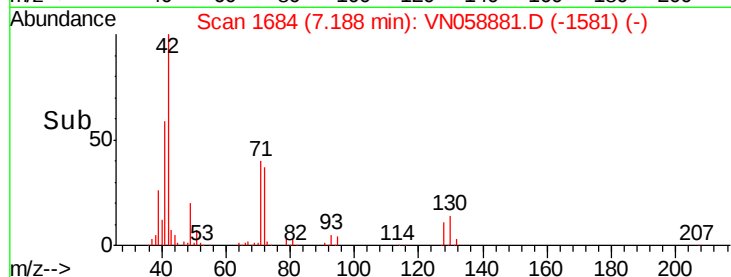
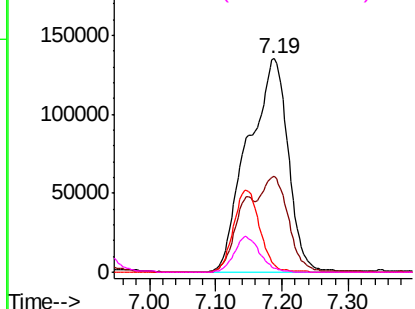
#41
Methacrylonitrile
Concen: 165.021 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

Tot Ion:	41	Resp:	571843
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

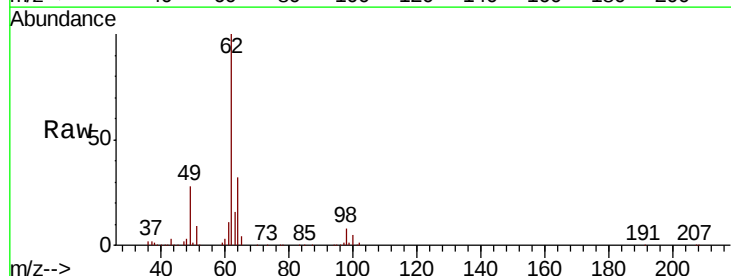


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

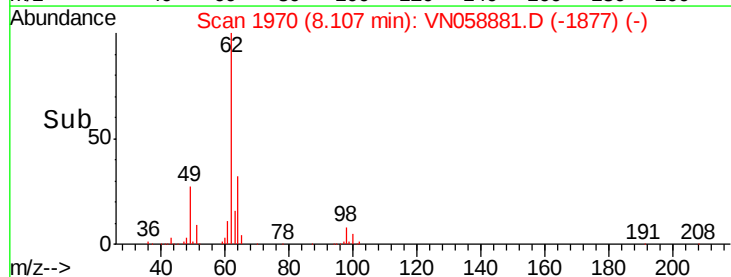
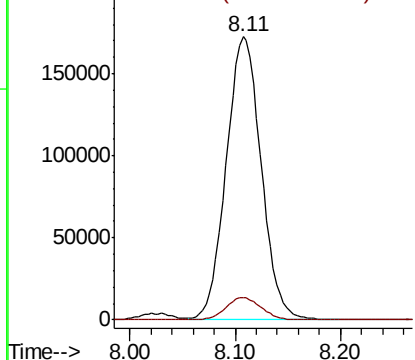


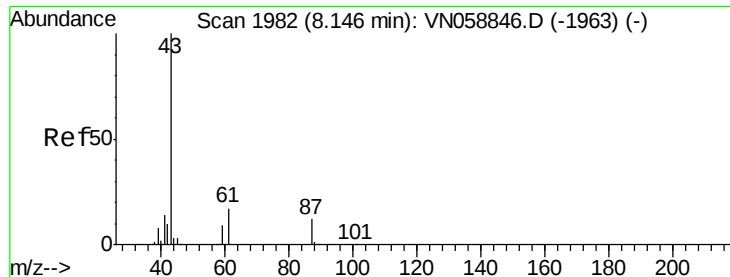
#42
1,2-Dichloroethane
Concen: 48.990 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion:	62	Resp:	395700
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.2



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 50.671 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

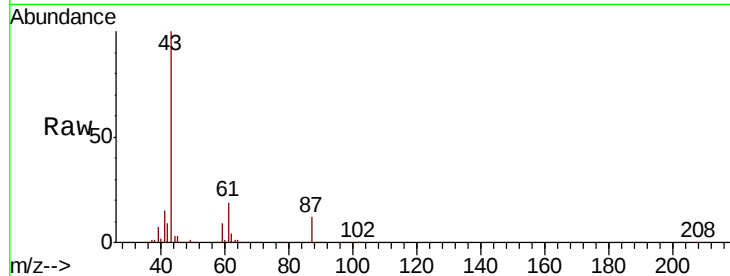
Tot Ion: 43 Resp: 632285

Ion Ratio Lower Upper

43 100

61 25.4 20.2 30.2

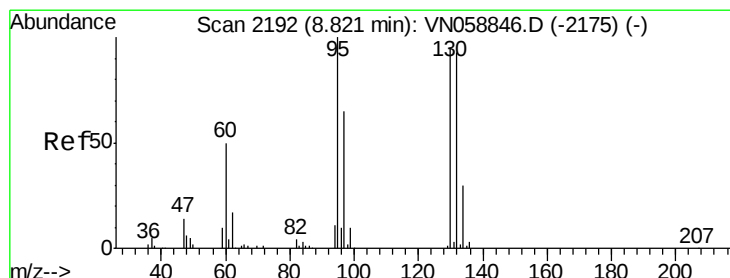
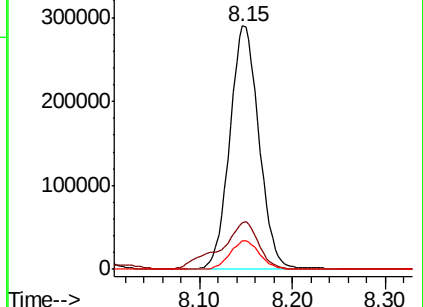
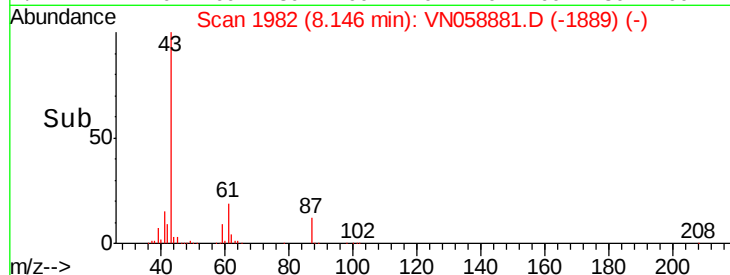
87 11.9 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN058881.D (-1889) (-)

Ion 61.00 (60.70 to 61.70): VN058881.D (-1889) (-)

Ion 87.00 (86.70 to 87.70): VN058881.D (-1889) (-)



#44

Trichloroethene

Concen: 56.238 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058881.D

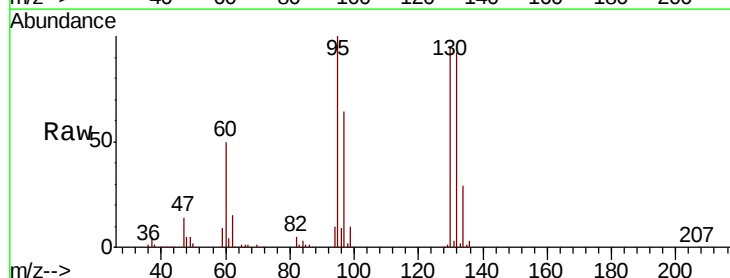
Acq: 21 Oct 2019 12:33

Tgt Ion: 130 Resp: 287250

Ion Ratio Lower Upper

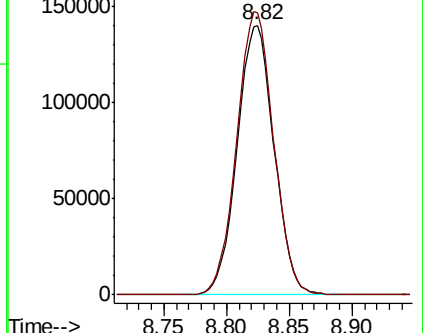
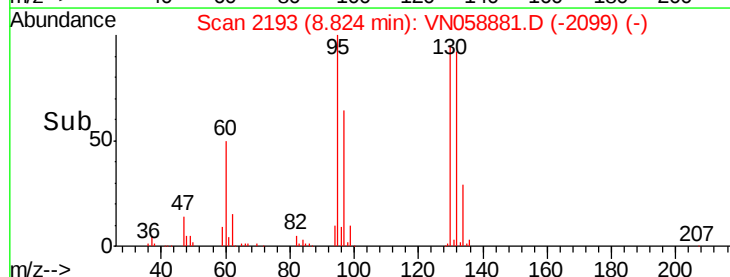
130 100

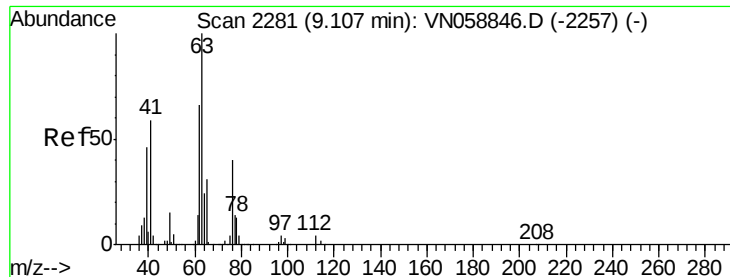
95 104.7 0.0 209.6



Abundance Ion 129.80 (129.50 to 130.50): VN058881.D (-2099) (-)

Ion 94.90 (94.60 to 95.60): VN058881.D (-2099) (-)





#45

1,2-Dichloropropane

Concen: 50.085 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

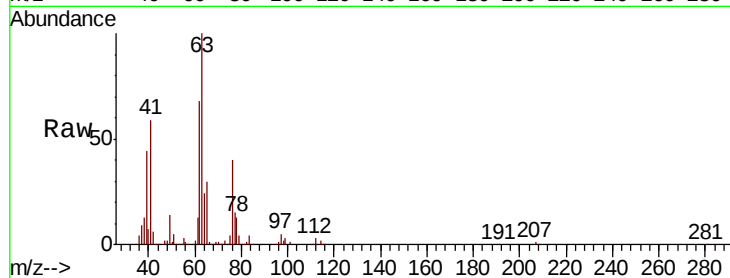
FA19-JBW7326BMSD

Tot Ion: 63 Resp: 287975

Ion Ratio Lower Upper

63 100

65 30.5 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.11

150000

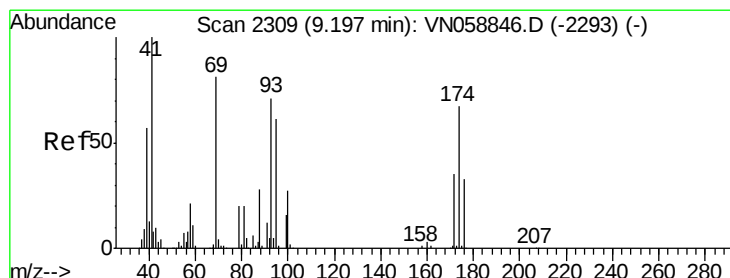
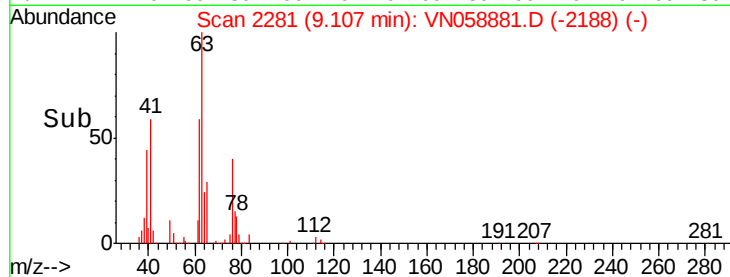
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 49.248 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

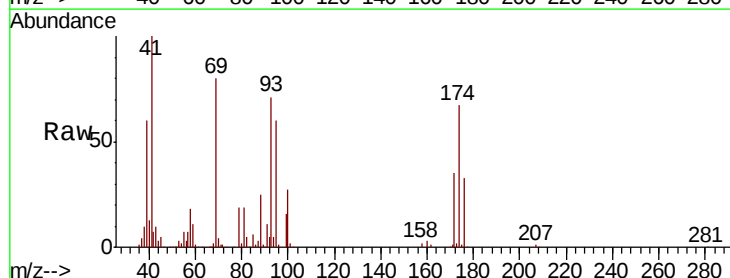
Tgt Ion: 93 Resp: 179009

Ion Ratio Lower Upper

93 100

95 84.3 67.6 101.4

174 93.4 74.1 111.1



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

60000

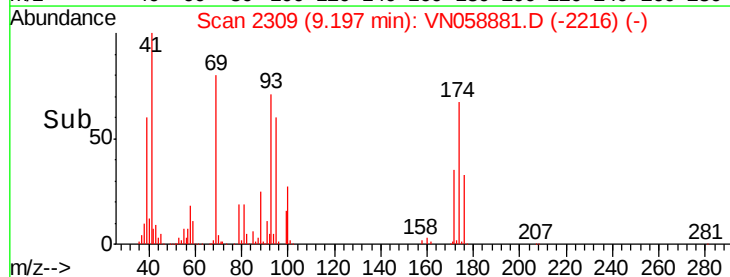
40000

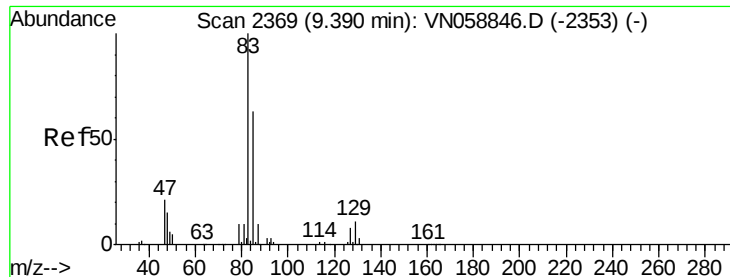
20000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 50.180 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

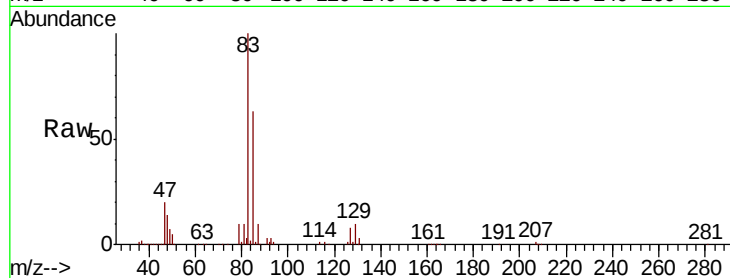
Tot Ion: 83 Resp: 375930

Ion Ratio Lower Upper

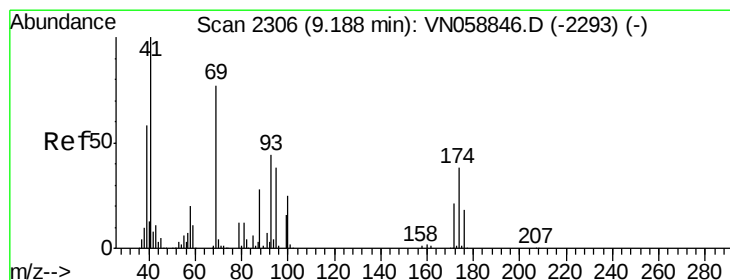
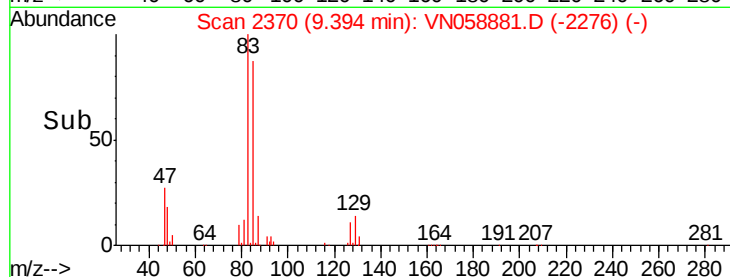
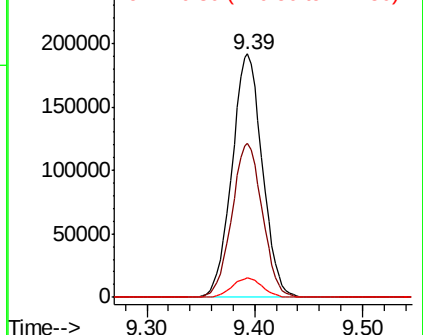
83 100

85 63.3 50.6 75.8

127 7.8 6.5 9.7



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



#48

Methyl methacrylate

Concen: 52.144 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

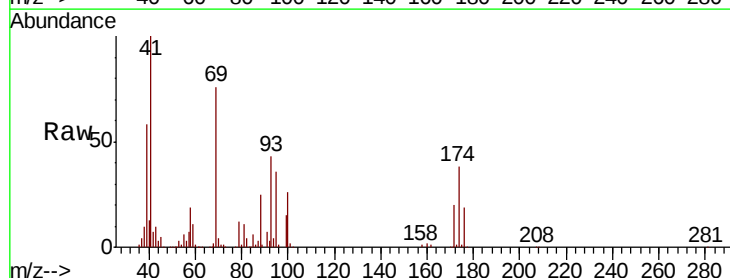
Tgt Ion: 41 Resp: 295207

Ion Ratio Lower Upper

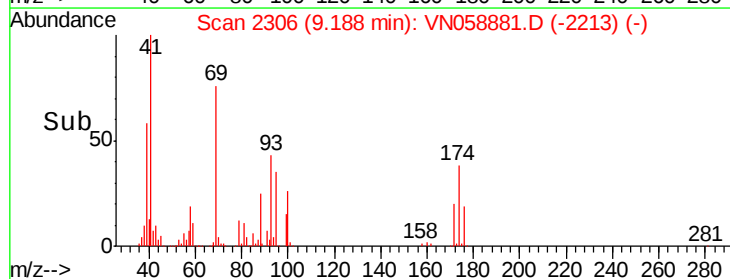
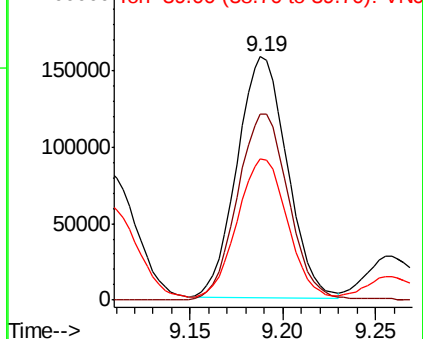
41 100

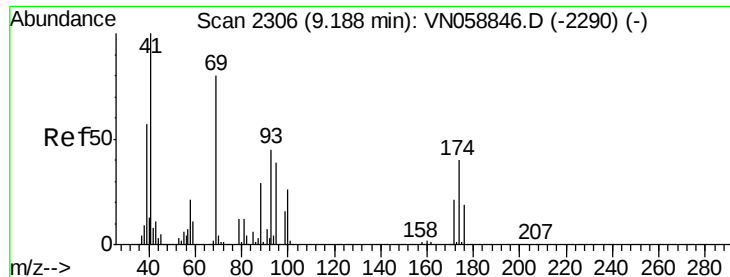
69 79.3 63.8 95.6

39 59.5 47.8 71.8



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

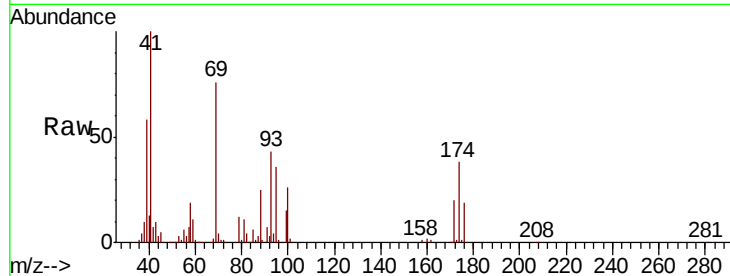




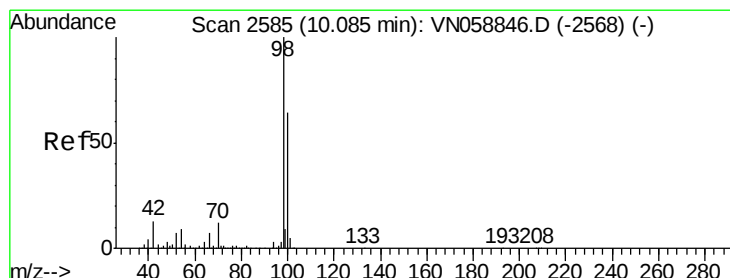
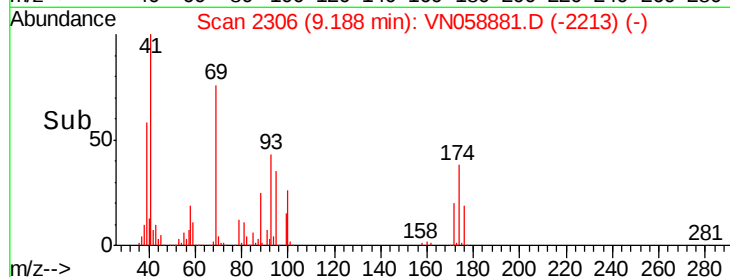
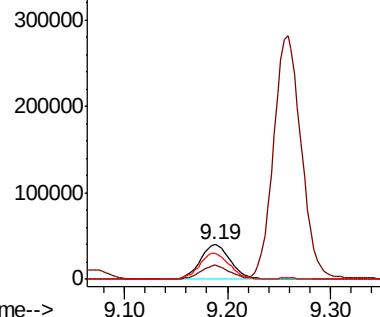
#49
1,4-Dioxane
Concen: 894.317 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

Tot Ion: 88 Resp: 83114
Ion Ratio Lower Upper
88 100
43 37.1 29.1 43.7
58 74.2 59.4 89.0

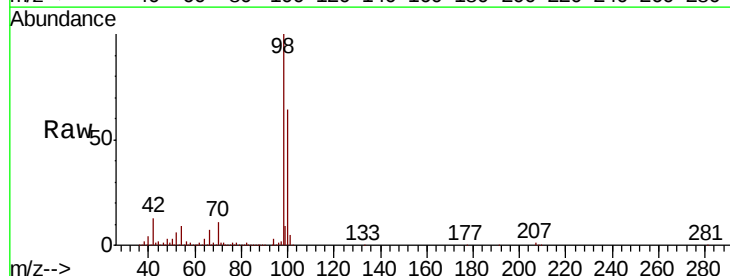


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

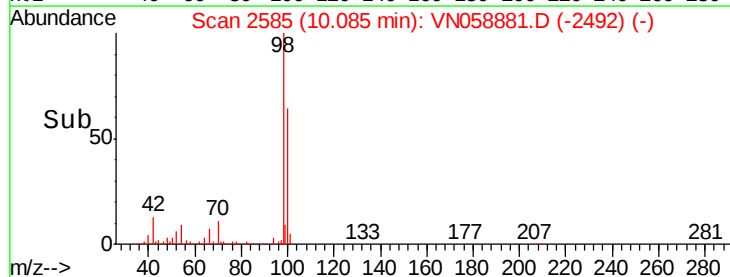
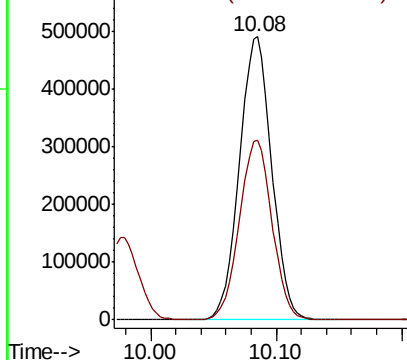


#50
Toluene-d8
Concen: 49.441 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion: 98 Resp: 880092
Ion Ratio Lower Upper
98 100
100 63.9 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: 267.103 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

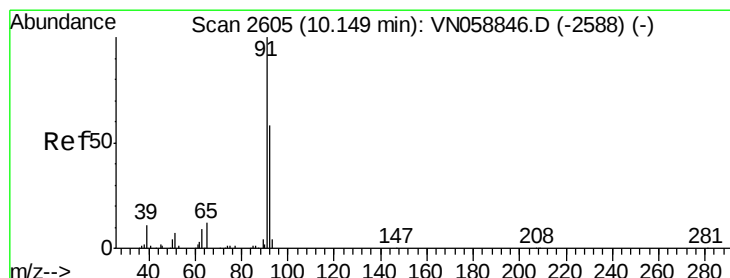
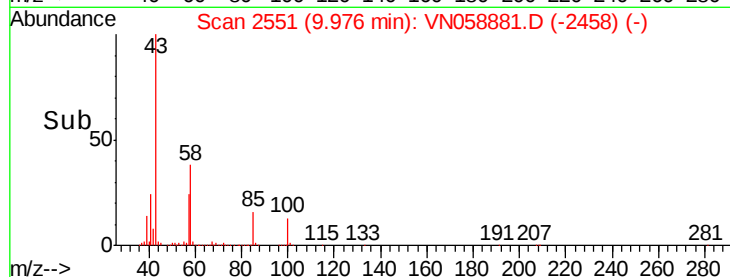
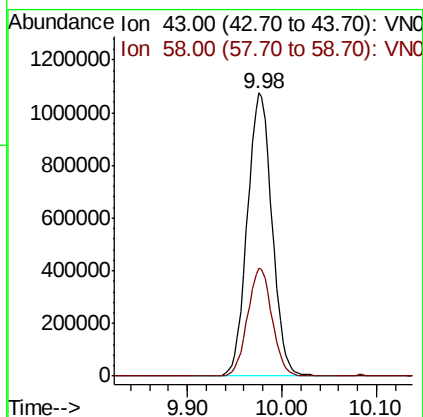
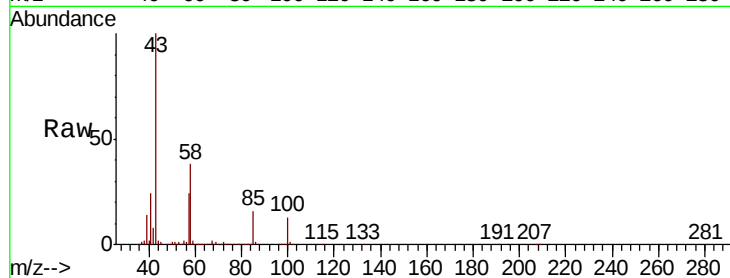
FA19-JBW7326BMSD

Tot Ion: 43 Resp: 1946761

Ion Ratio Lower Upper

43 100

58 37.7 29.9 44.9



#52

Toluene

Concen: 51.307 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058881.D

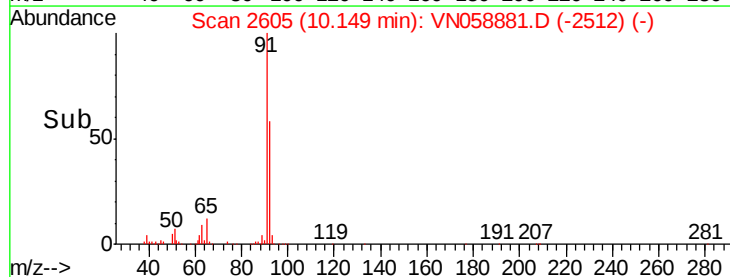
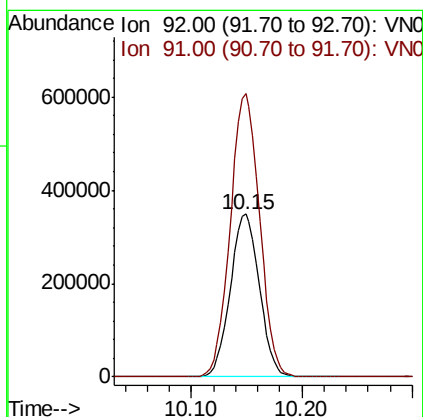
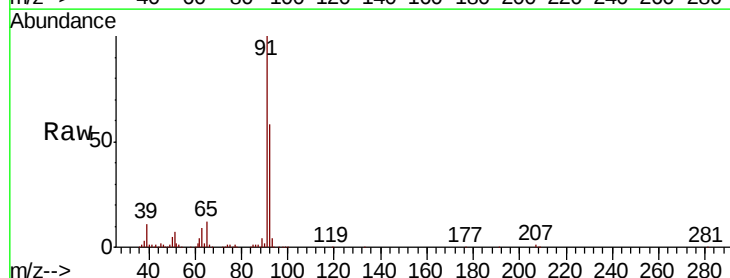
Acq: 21 Oct 2019 12:33

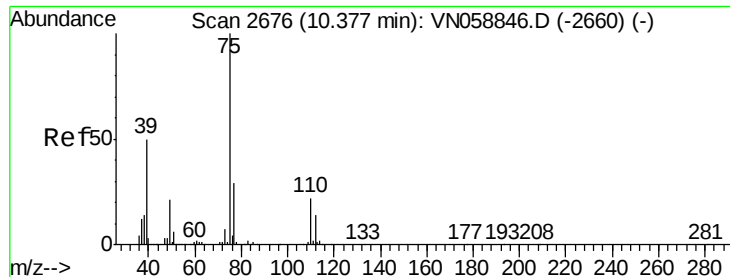
Tgt Ion: 92 Resp: 637971

Ion Ratio Lower Upper

92 100

91 175.4 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 51.783 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

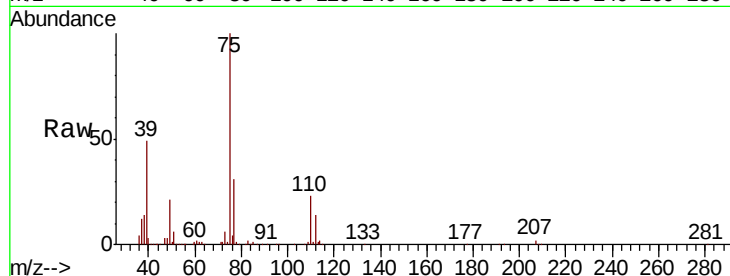
FA19-JBW7326BMSD

Tot Ion: 75 Resp: 429459

Ion Ratio Lower Upper

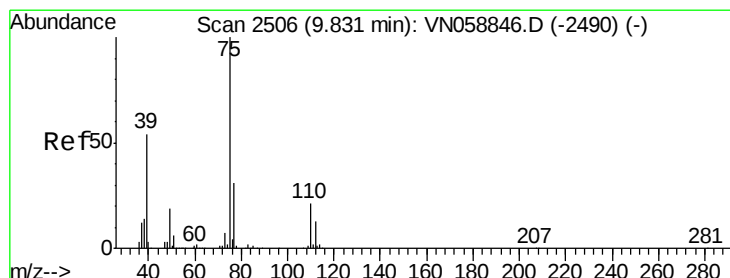
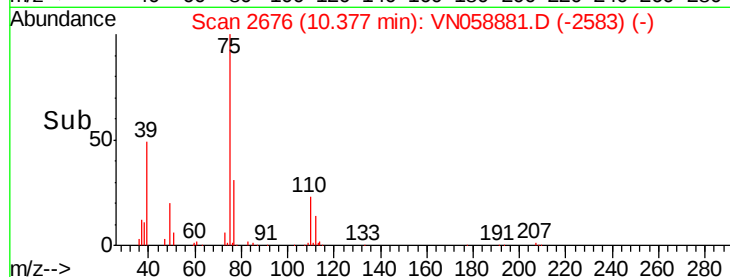
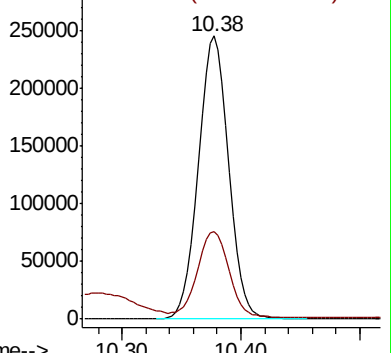
75 100

77 30.5 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: 50.210 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

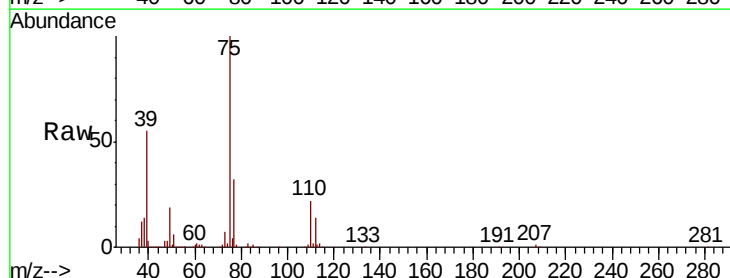
Tgt Ion: 75 Resp: 444882

Ion Ratio Lower Upper

75 100

77 31.6 24.7 37.1

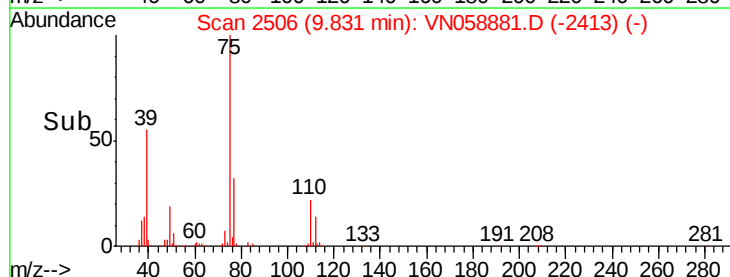
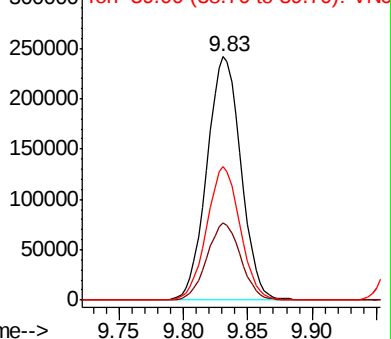
39 54.8 43.5 65.3

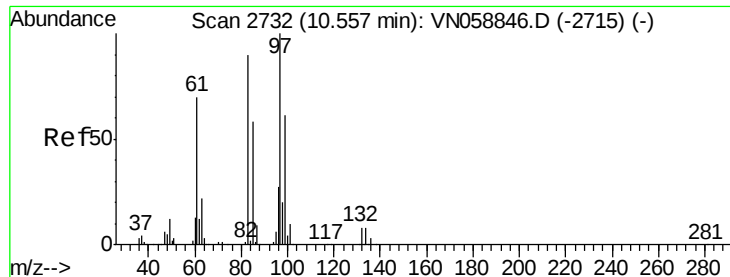


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

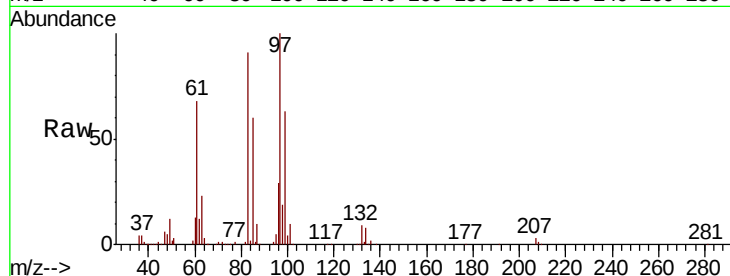




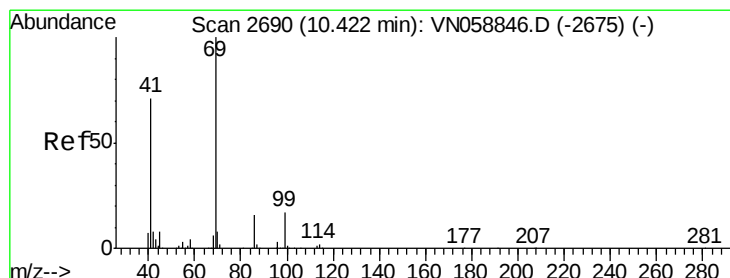
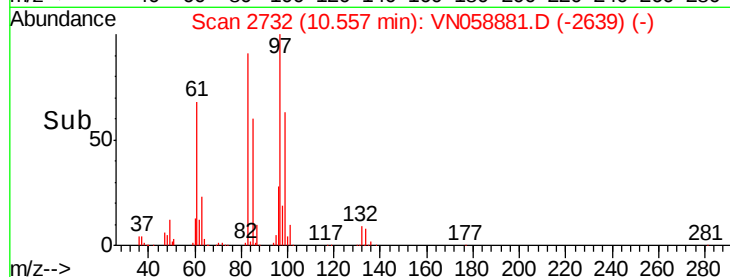
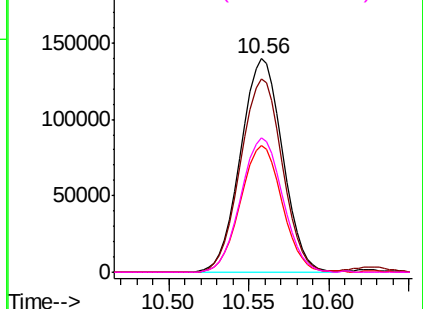
#55
 1,1,2-Trichloroethane
 Concen: 48.865 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058881.D
 Acq: 21 Oct 2019 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMSD

Tot Ion: 97 Resp: 250305
 Ion Ratio Lower Upper
 97 100
 83 90.5 72.2 108.4
 85 59.6 46.2 69.2
 99 62.7 48.7 73.1

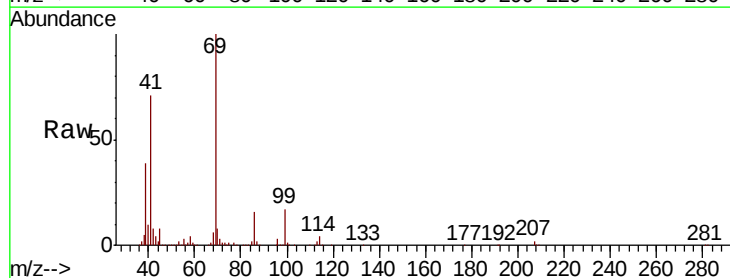


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

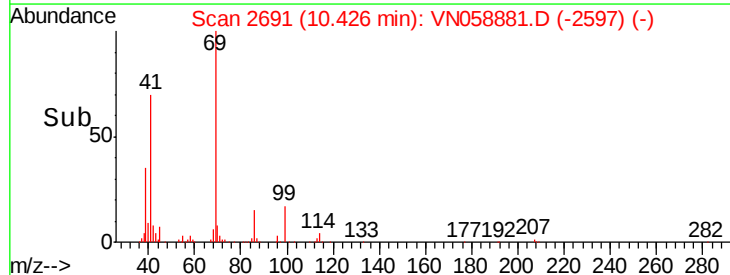
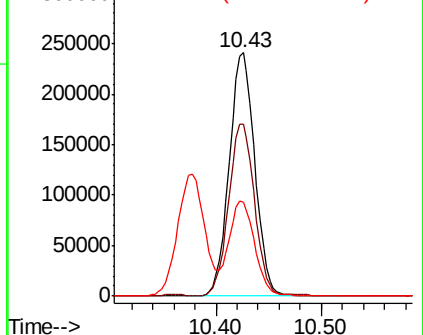


#56
 Ethyl methacrylate
 Concen: 47.051 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058881.D
 Acq: 21 Oct 2019 12:33

Tgt Ion: 69 Resp: 403740
 Ion Ratio Lower Upper
 69 100
 41 71.2 57.2 85.8
 39 38.8 31.0 46.4



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





#57

1,3-Dichloropropane

Concen: 49.829 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

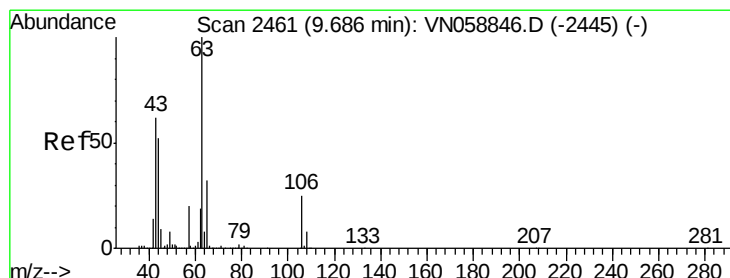
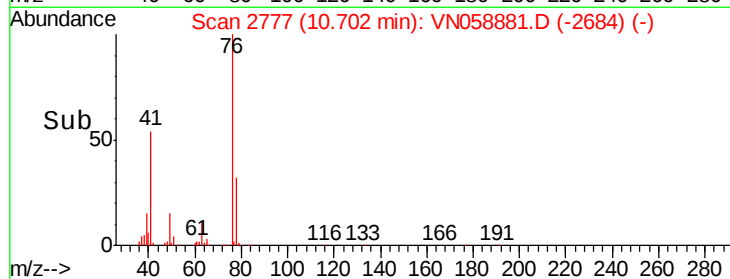
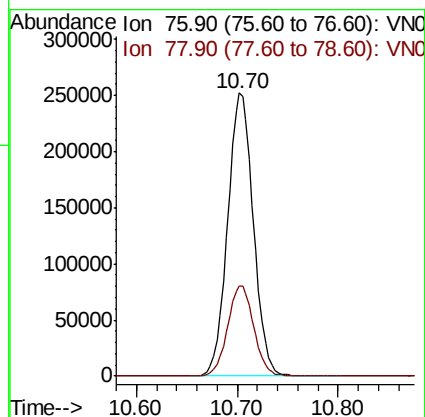
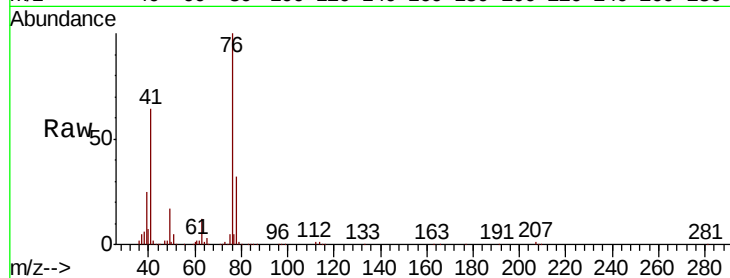
FA19-JBW7326BMSD

Tot Ion: 76 Resp: 447986

Ion Ratio Lower Upper

76 100

78 32.7 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 5.755 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.01 min

Lab File: VN058881.D

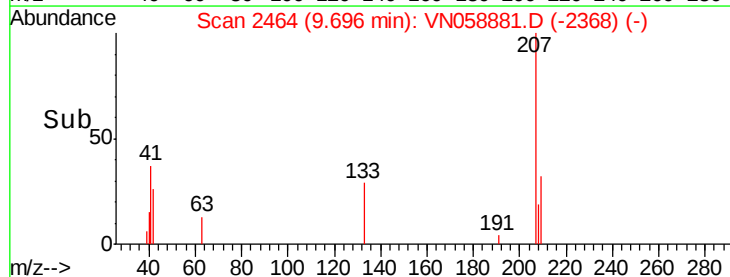
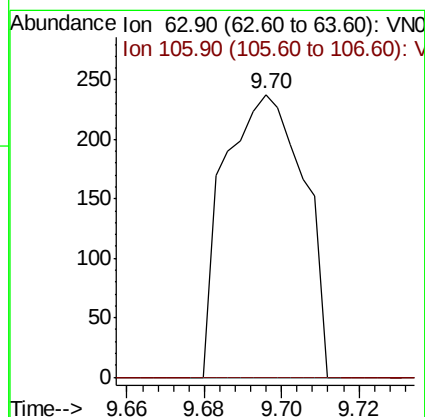
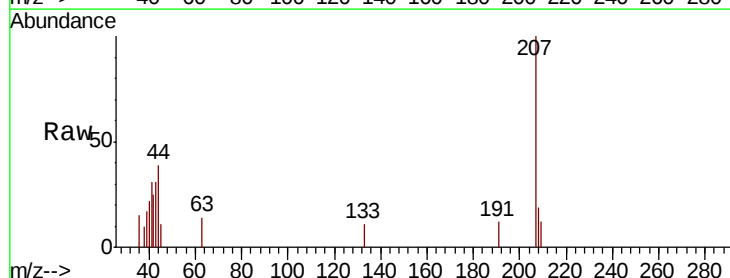
Acq: 21 Oct 2019 12:33

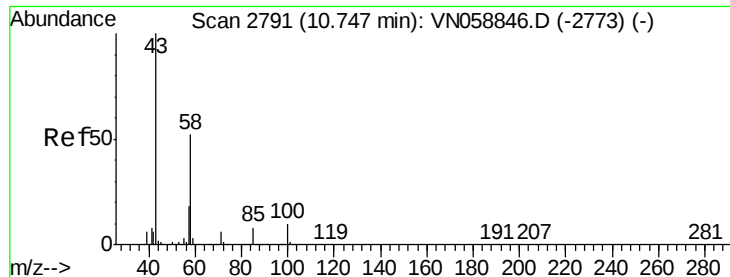
Tgt Ion: 63 Resp: 340

Ion Ratio Lower Upper

63 100

106 0.0 19.8 29.8#

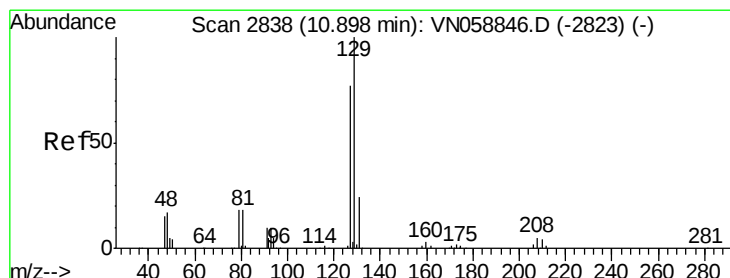
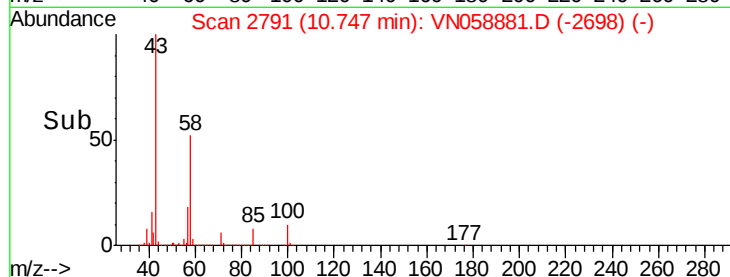
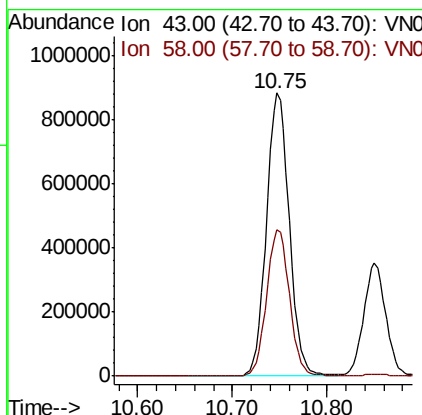
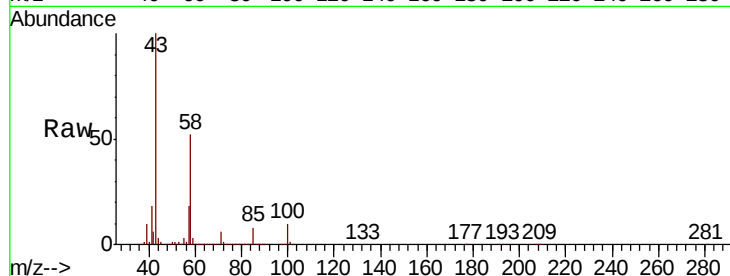




#59
2-Hexanone
Concen: 261.401 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

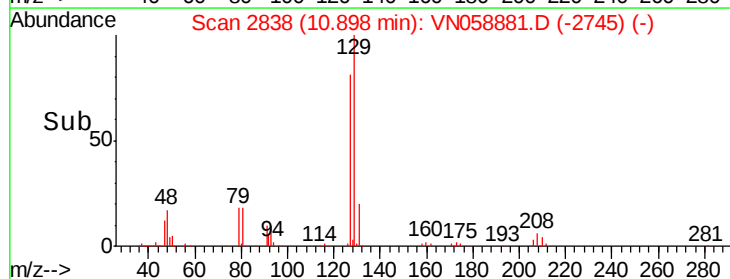
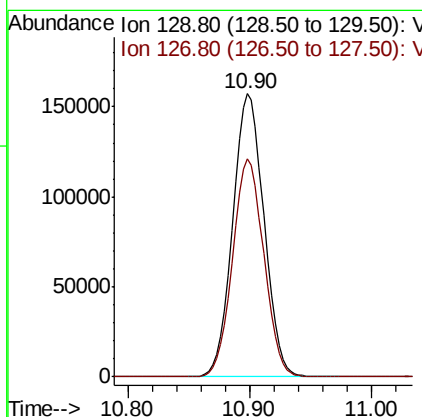
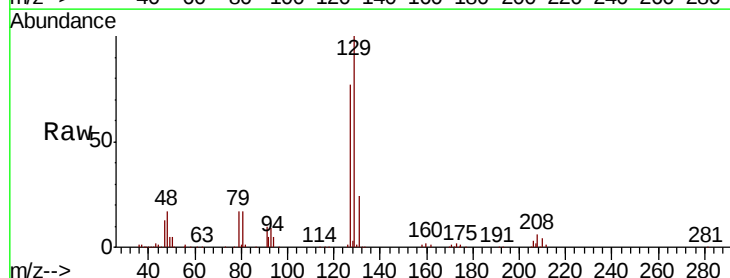
Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

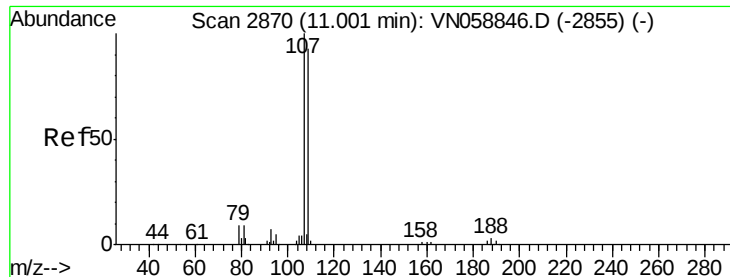
Tot Ion: 43 Resp: 1472209
Ion Ratio Lower Upper
43 100
58 52.1 25.9 77.7



#60
Dibromochloromethane
Concen: 50.621 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion: 129 Resp: 279103
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.3





#61

1,2-Dibromoethane

Concen: 50.249 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

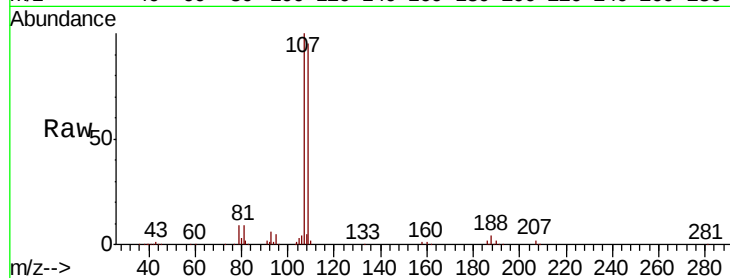
FA19-JBW7326BMSD

Tot Ion:107 Resp: 263411

Ion Ratio Lower Upper

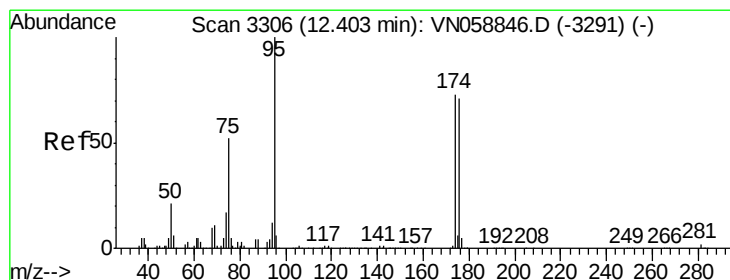
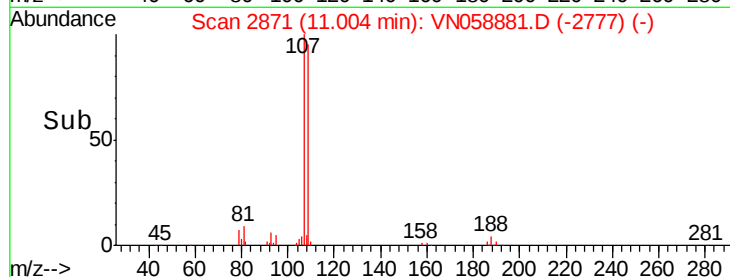
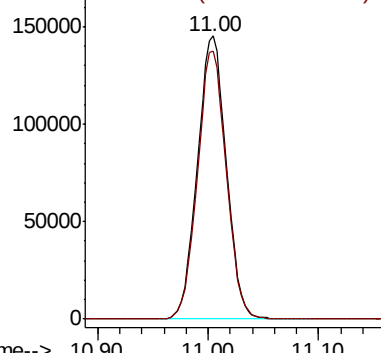
107 100

109 94.5 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: 49.642 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

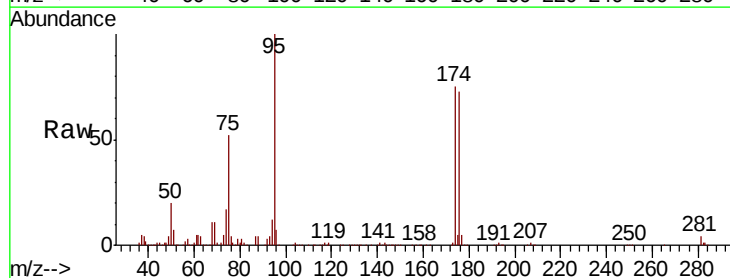
Tgt Ion: 95 Resp: 324507

Ion Ratio Lower Upper

95 100

174 75.0 0.0 147.6

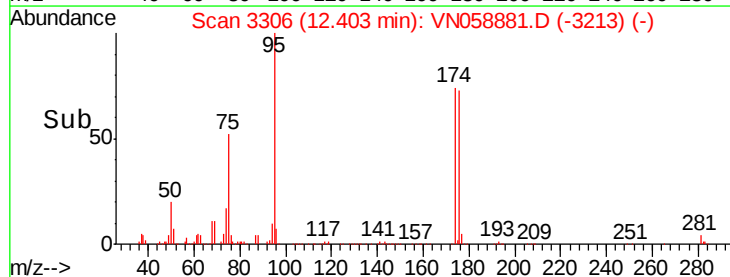
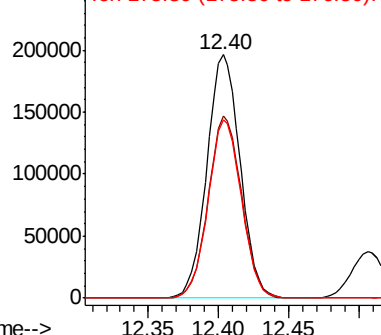
176 73.3 0.0 143.2

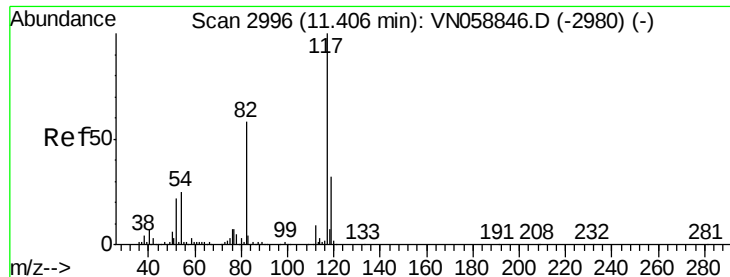


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

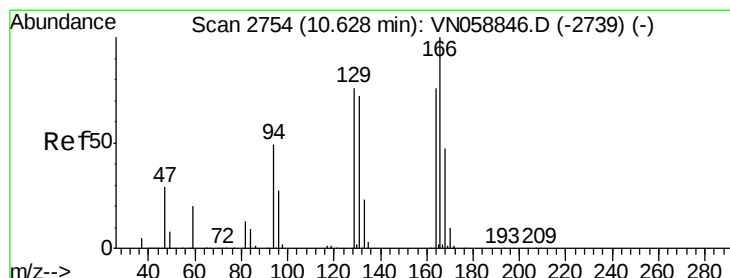
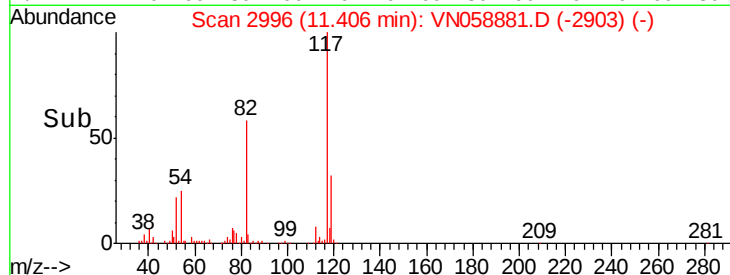
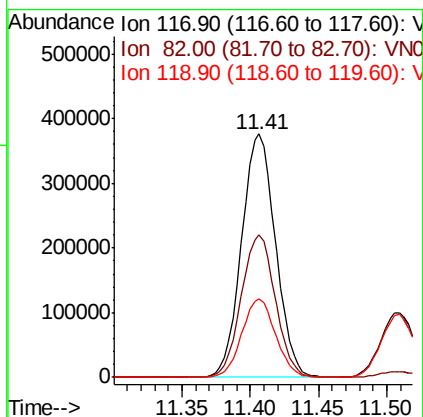
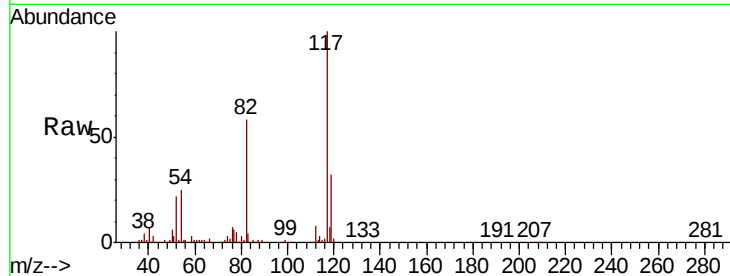




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

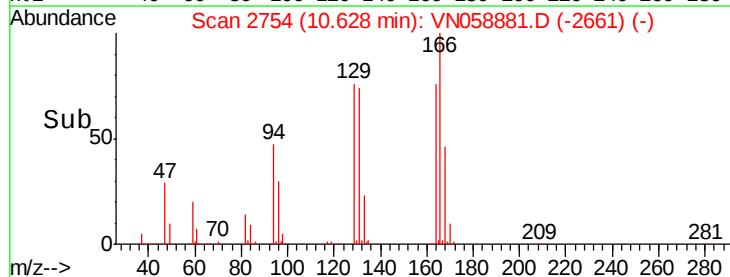
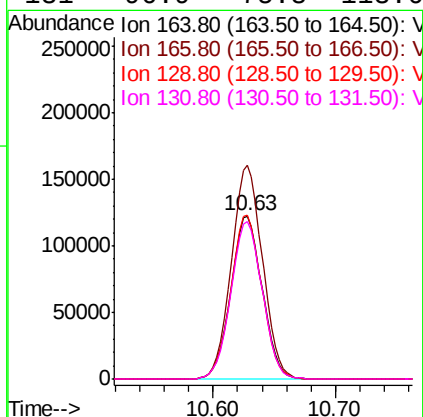
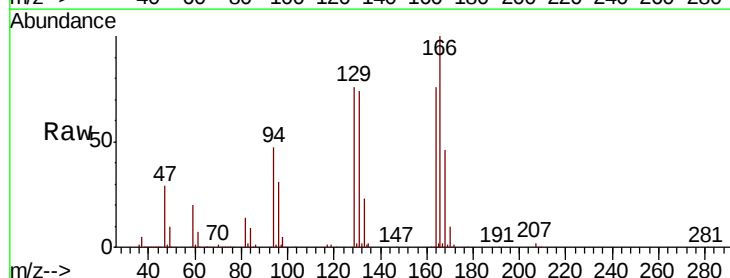
Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

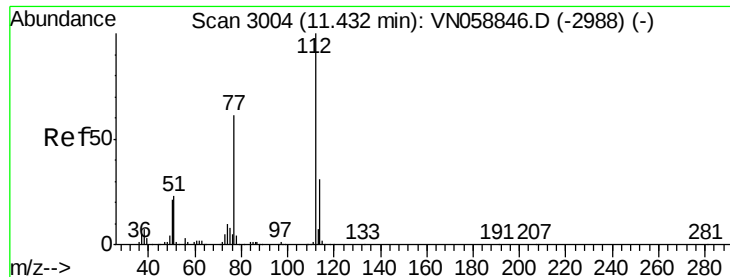
Tot Ion:117 Resp: 650568
Ion Ratio Lower Upper
117 100
82 58.4 46.6 69.8
119 32.1 25.6 38.4



#64
Tetrachloroethene
Concen: 47.985 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion:164 Resp: 218628
Ion Ratio Lower Upper
164 100
166 131.1 104.8 157.2
129 100.3 79.3 118.9
131 96.9 75.8 113.6

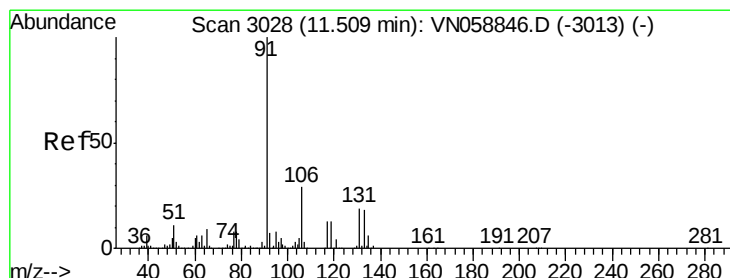
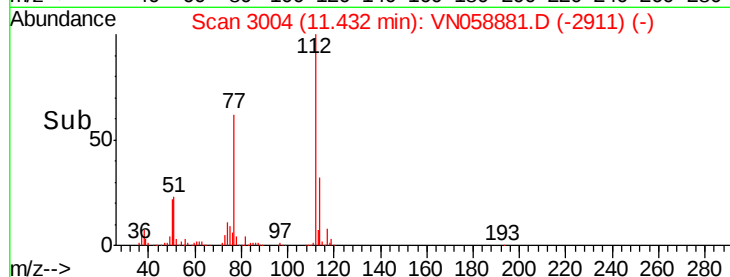
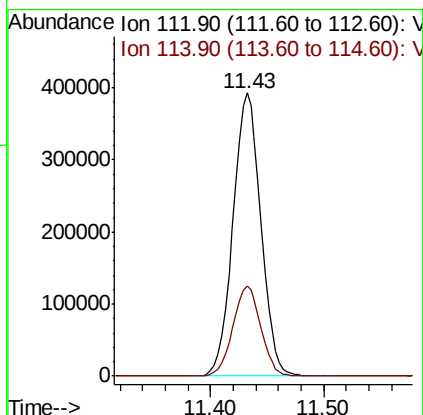
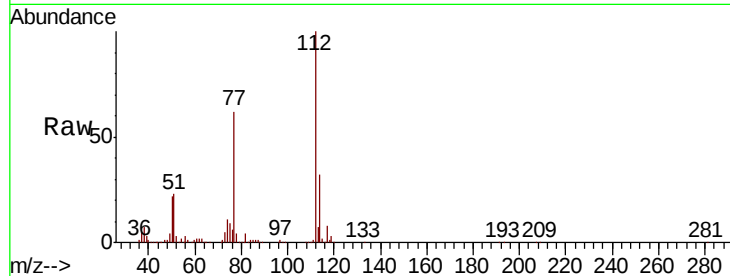




#65
Chlorobenzene
Concen: 50.636 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

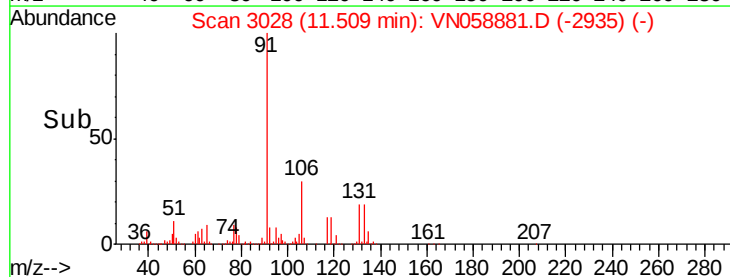
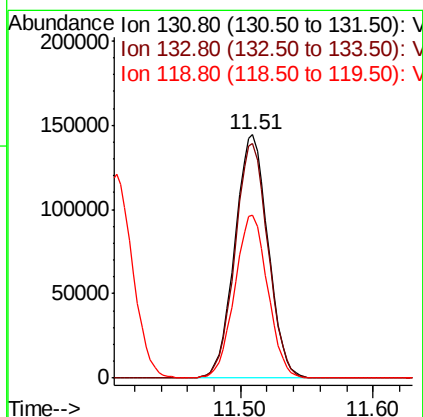
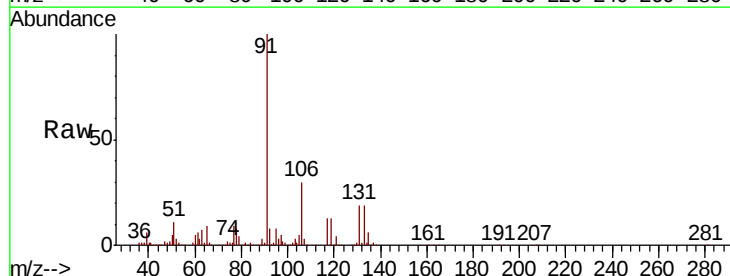
Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

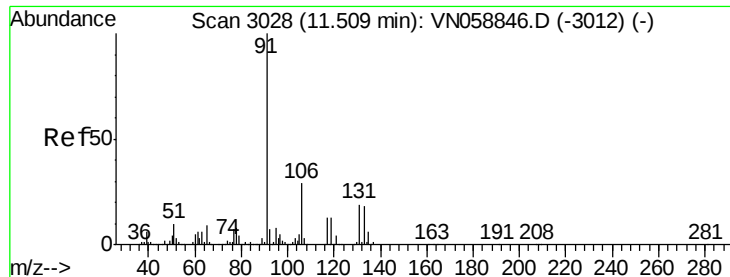
Tot Ion:112 Resp: 670659
Ion Ratio Lower Upper
112 100
114 31.7 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 50.257 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion:131 Resp: 251183
Ion Ratio Lower Upper
131 100
133 95.5 48.4 145.2
119 66.4 33.6 100.8

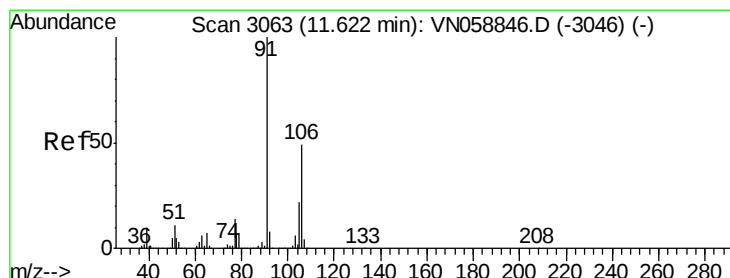
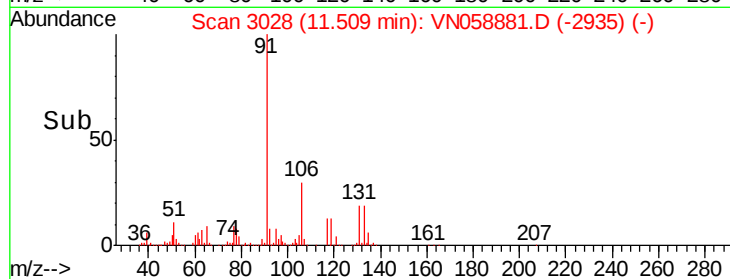
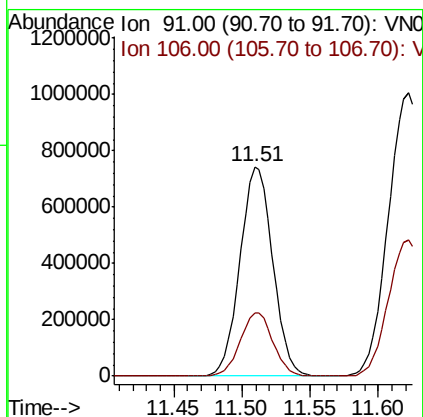
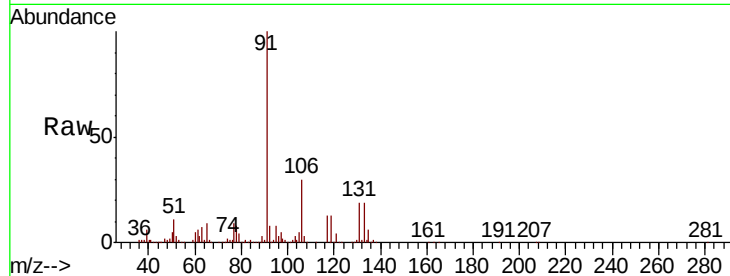




#67
Ethyl Benzene
Concen: 53.324 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

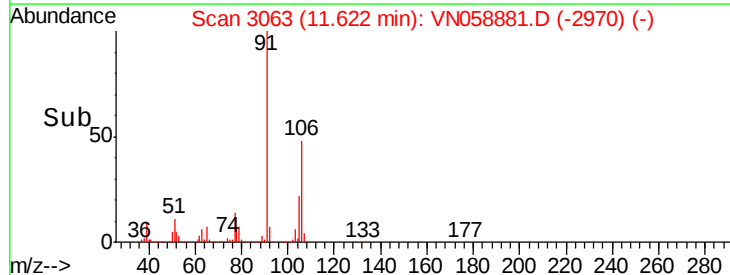
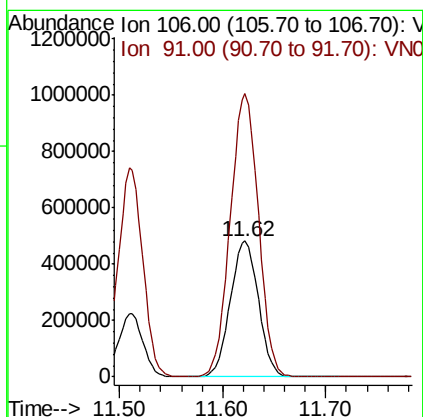
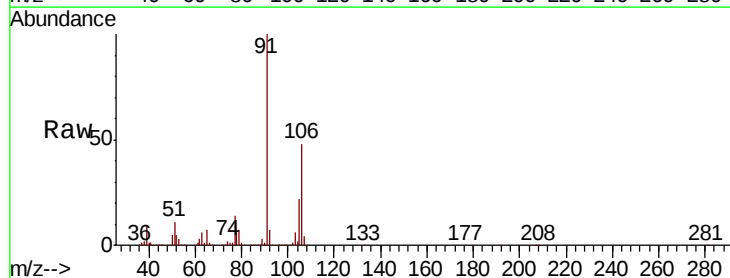
Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

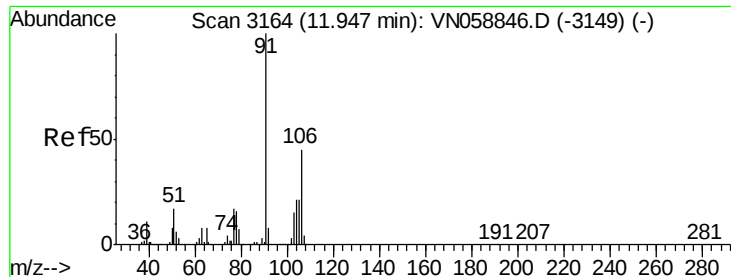
Tot Ion: 91 Resp: 1238950
Ion Ratio Lower Upper
91 100
106 30.1 23.4 35.0



#68
m/p-Xylenes
Concen: 106.389 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion: 106 Resp: 916685
Ion Ratio Lower Upper
106 100
91 208.7 166.6 249.8

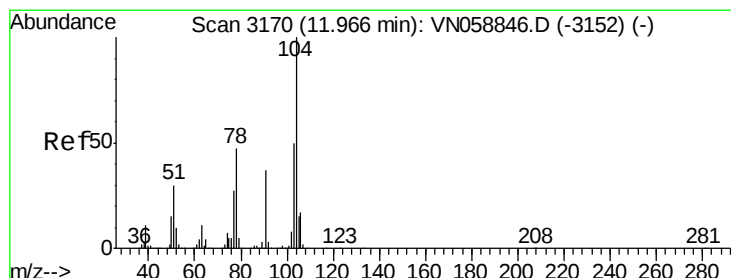
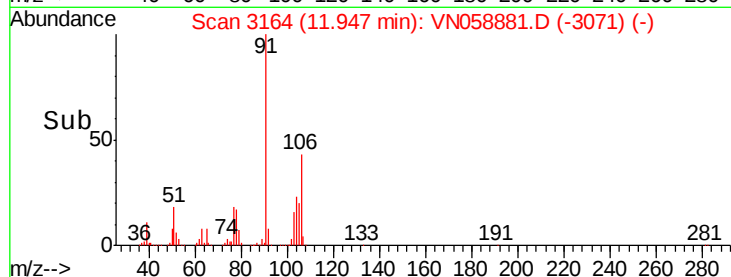
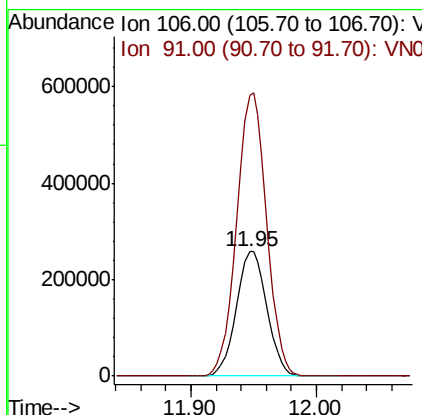
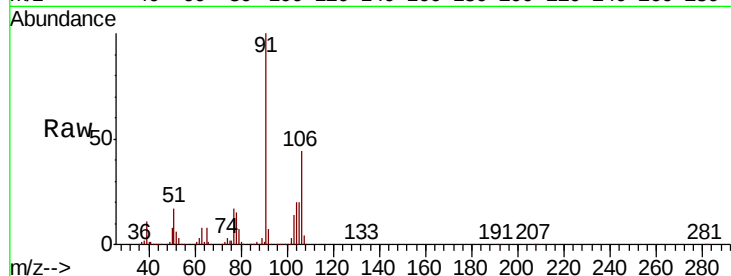




#69
o-Xylene
Concen: 53.098 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

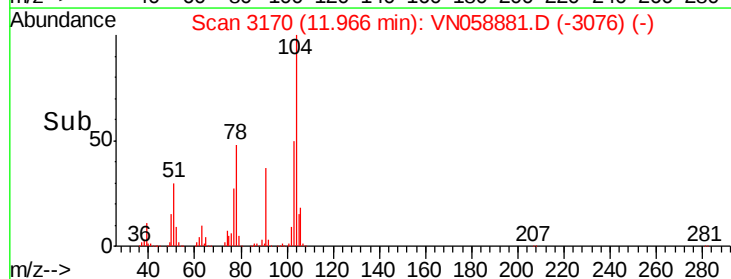
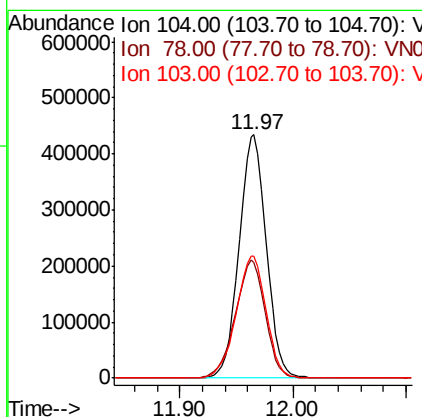
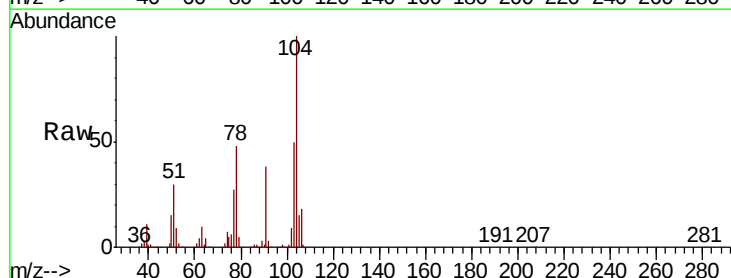
Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

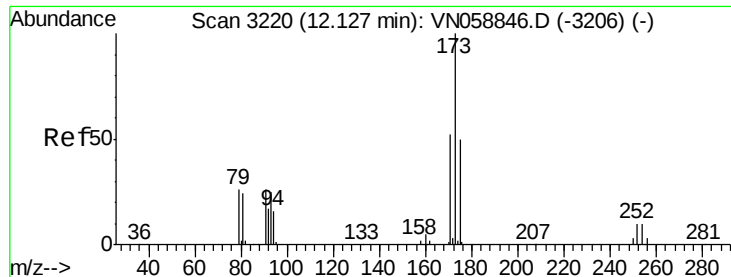
Tot Ion:106 Resp: 436341
Ion Ratio Lower Upper
106 100
91 222.9 111.5 334.4



#70
Styrene
Concen: 48.067 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion:104 Resp: 728075
Ion Ratio Lower Upper
104 100
78 53.2 42.8 64.2
103 55.0 44.3 66.5





#71

Bromoform

Concen: 51.111 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

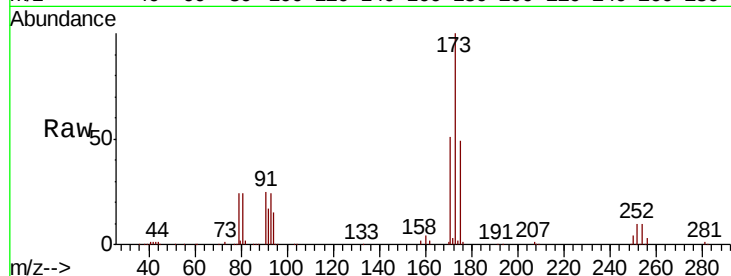
Tot Ion:173 Resp: 198089

Ion Ratio Lower Upper

173 100

175 48.7 24.7 74.1

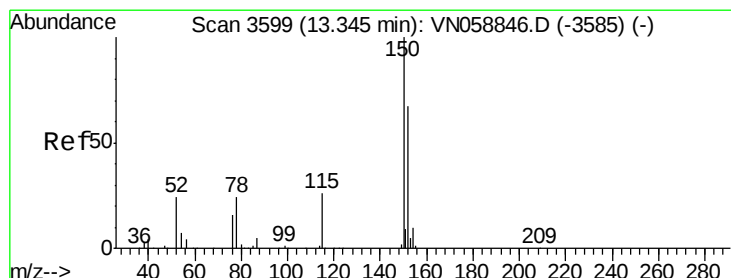
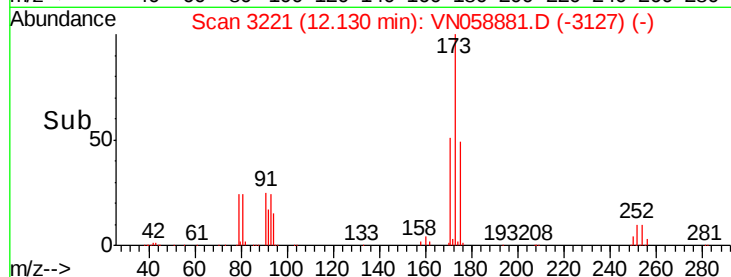
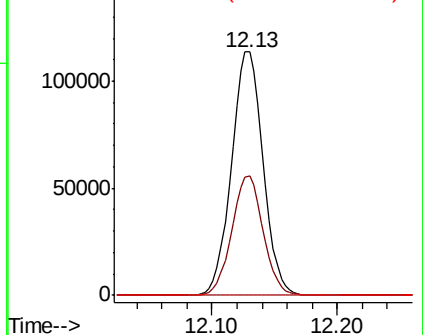
254 0.1 0.0 0.0#



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: VN058881.D

Acq: 21 Oct 2019 12:33

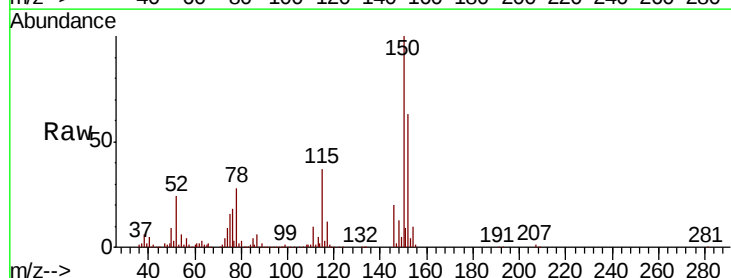
Tgt Ion:152 Resp: 310153

Ion Ratio Lower Upper

152 100

115 60.7 30.5 91.5

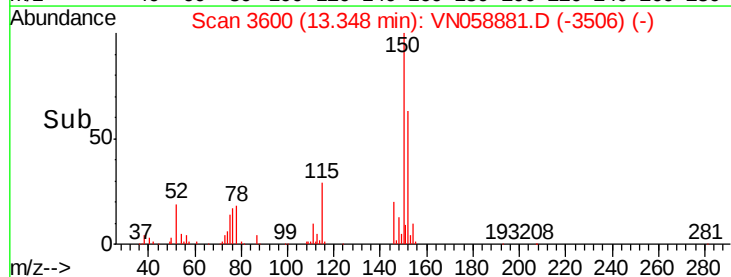
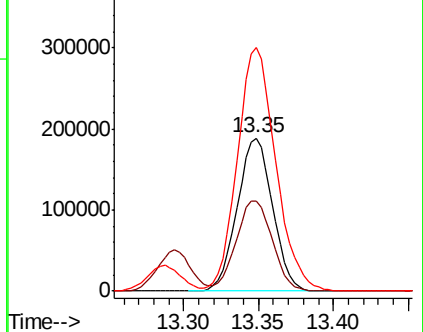
150 172.5 0.0 344.4

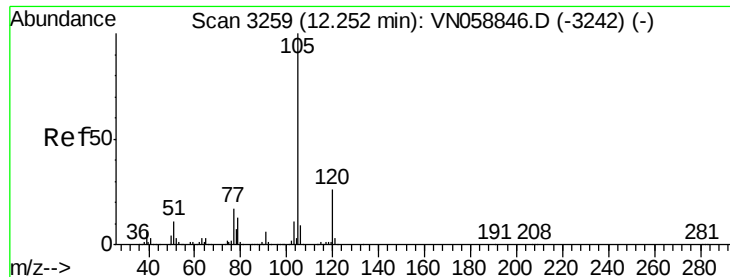


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.606 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

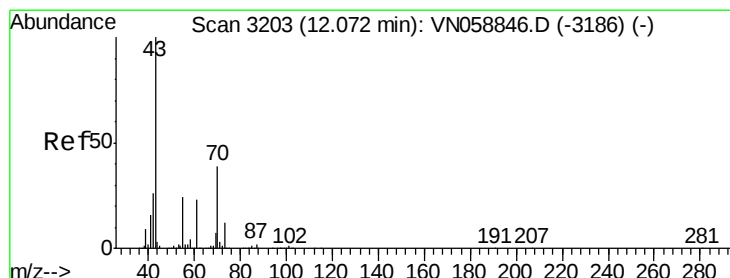
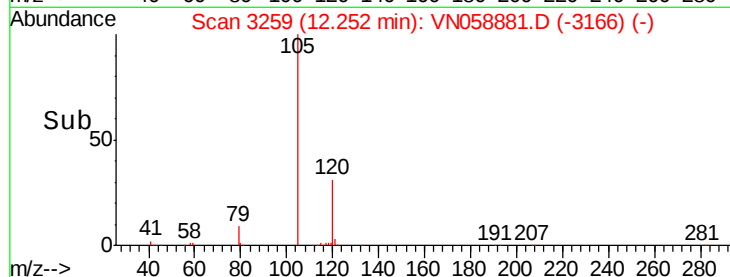
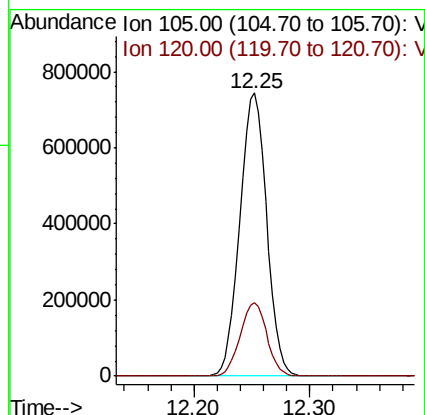
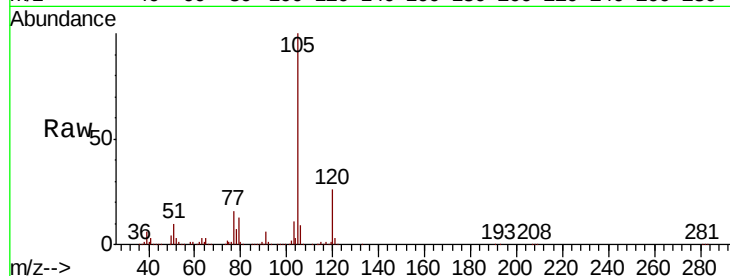
FA19-JBW7326BMSD

Tot Ion: 105 Resp: 1192392

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.4



#74

N-ethyl acetate

Concen: 54.229 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Tgt Ion: 43 Resp: 557255

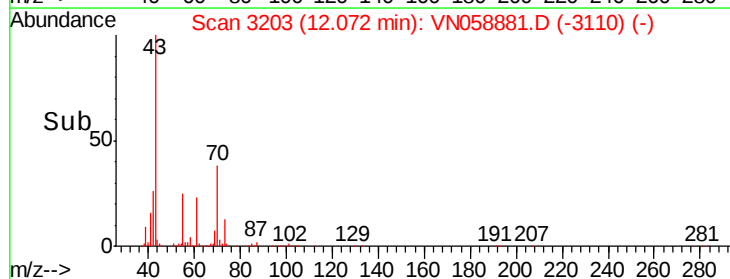
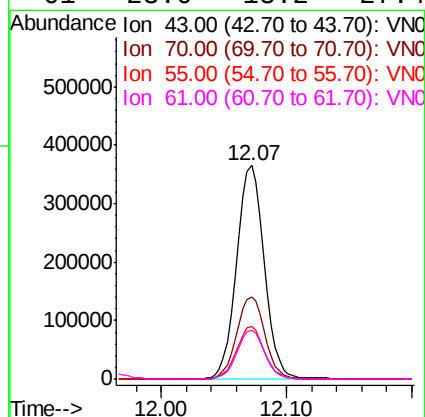
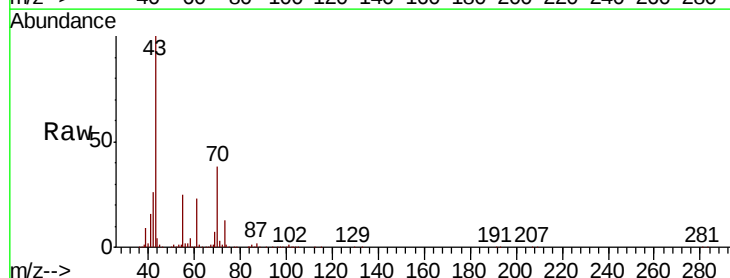
Ion Ratio Lower Upper

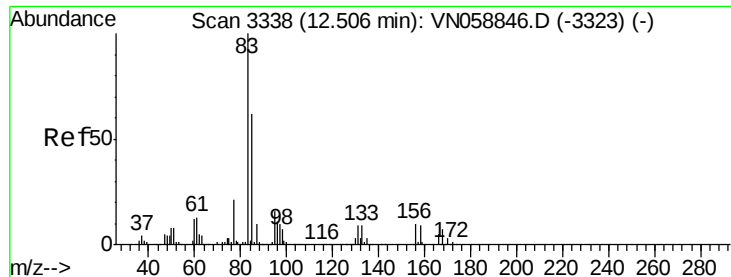
43 100

70 39.4 30.9 46.3

55 24.6 19.7 29.5

61 23.0 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.092 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

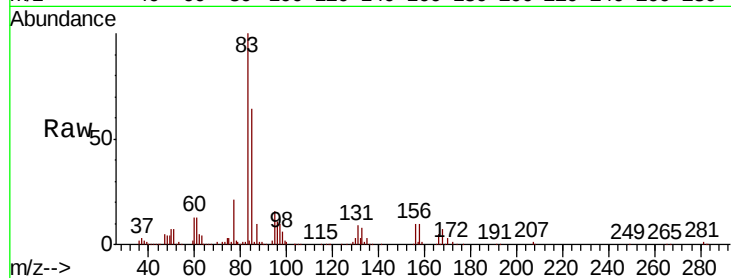
Tot Ion: 83 Resp: 391260

Ion Ratio Lower Upper

83 100

131 9.7 4.7 14.1

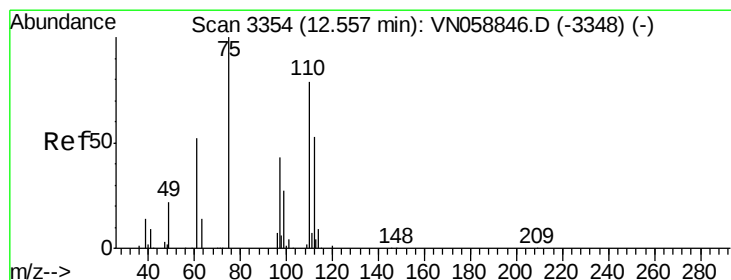
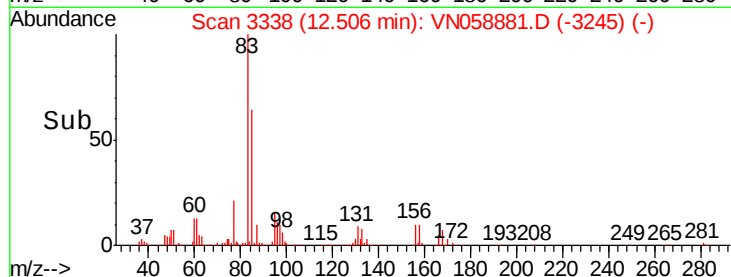
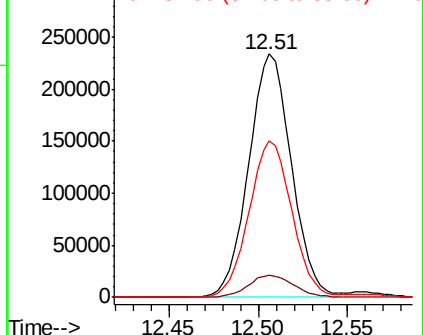
85 64.5 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 74.095 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058881.D

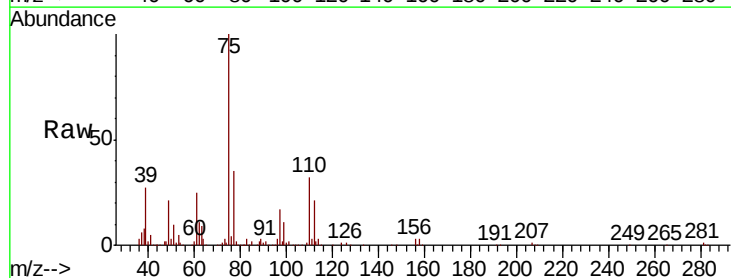
Acq: 21 Oct 2019 12:33

Tgt Ion: 75 Resp: 532603

Ion Ratio Lower Upper

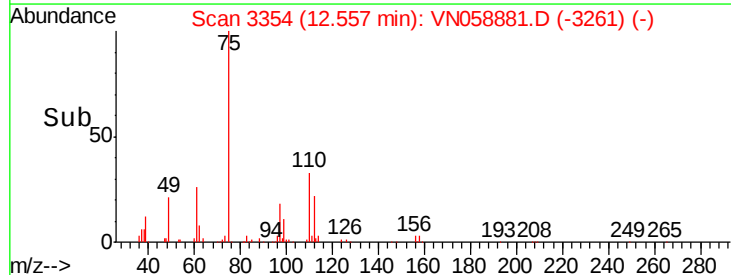
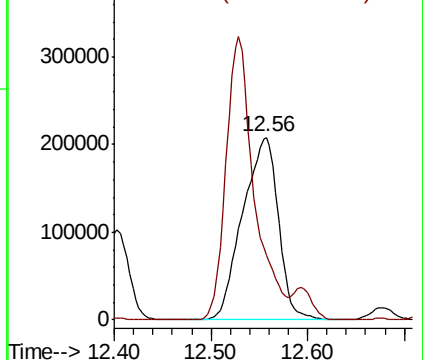
75 100

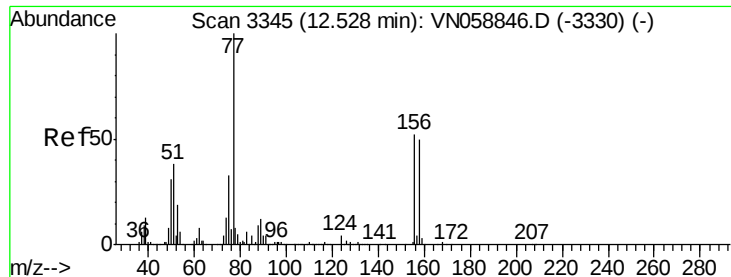
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

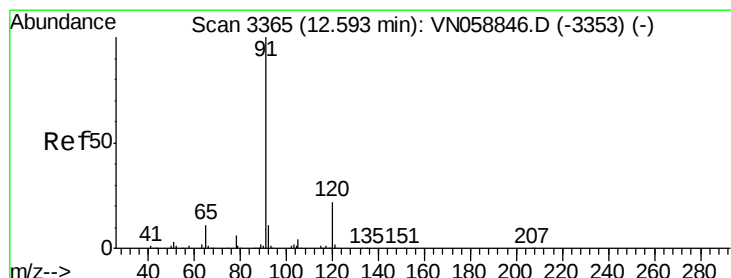
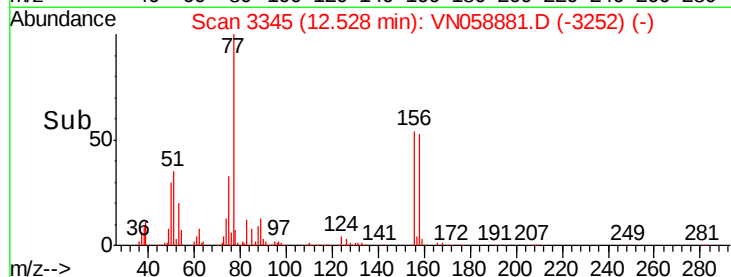
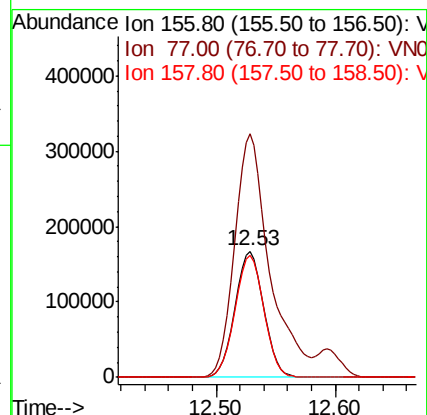
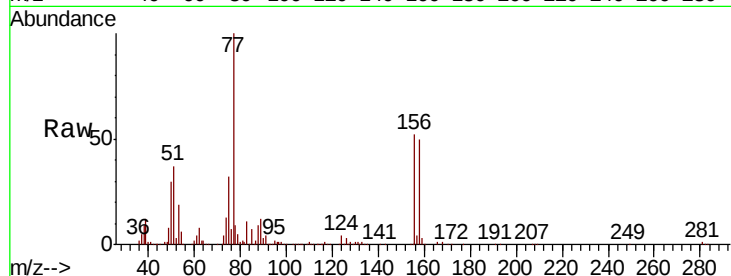




#77
Bromobenzene
Concen: 50.095 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

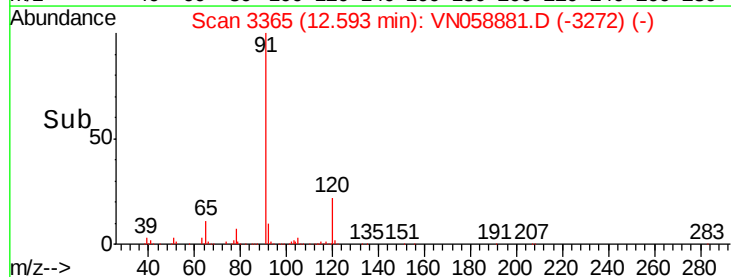
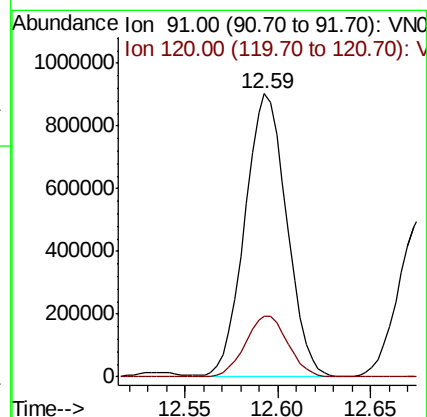
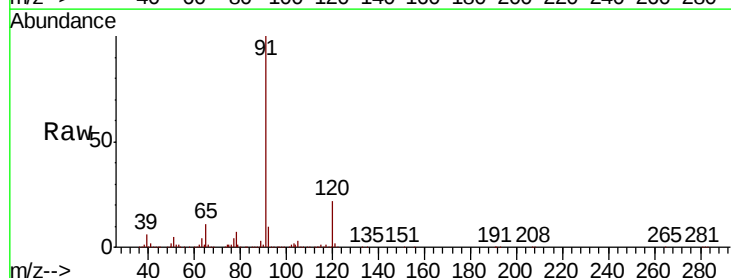
Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

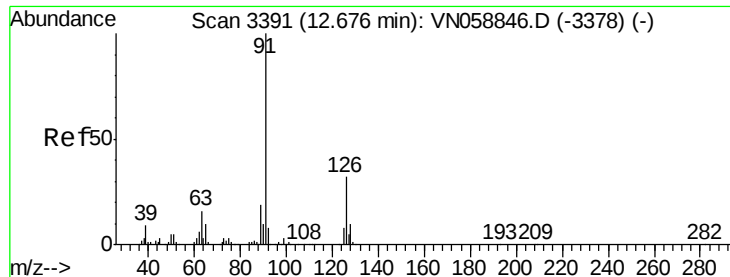
Tot Ion:156 Resp: 279874
Ion Ratio Lower Upper
156 100
77 234.9 118.0 354.0
158 97.4 48.3 144.8



#78
n-propylbenzene
Concen: 52.610 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion: 91 Resp: 1409562
Ion Ratio Lower Upper
91 100
120 21.9 11.1 33.1





#79

2-Chlorotoluene

Concen: 50.728 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

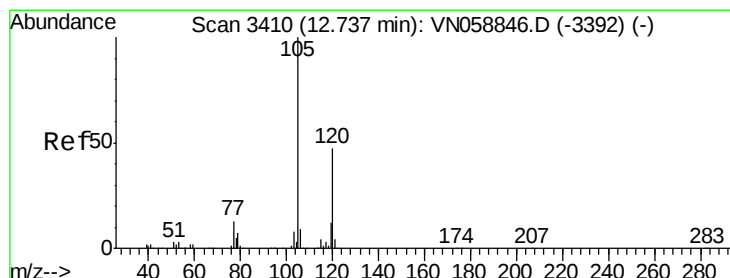
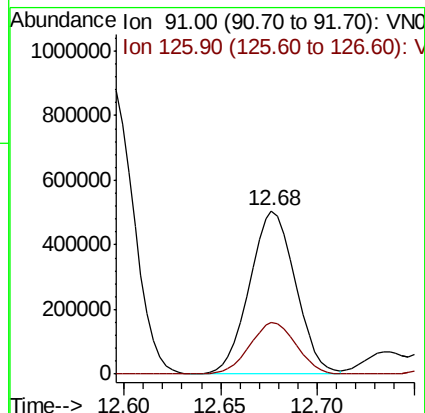
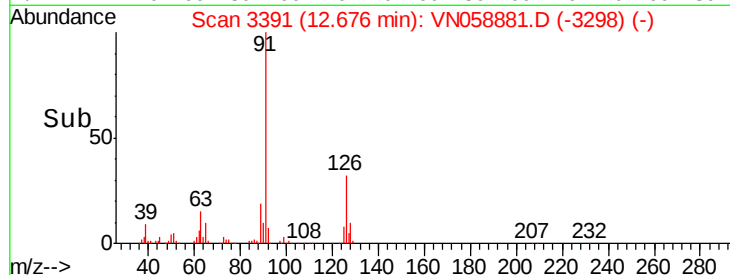
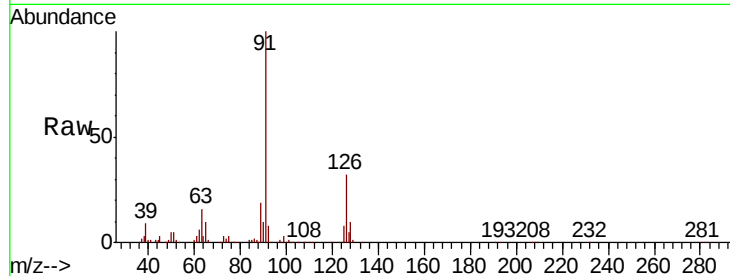
FA19-JBW7326BMSD

Tot Ion: 91 Resp: 831845

Ion Ratio Lower Upper

91 100

126 32.2 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 53.068 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058881.D

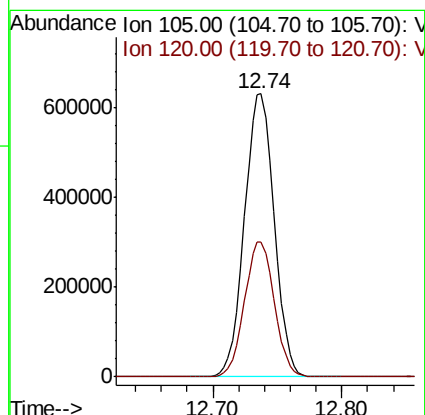
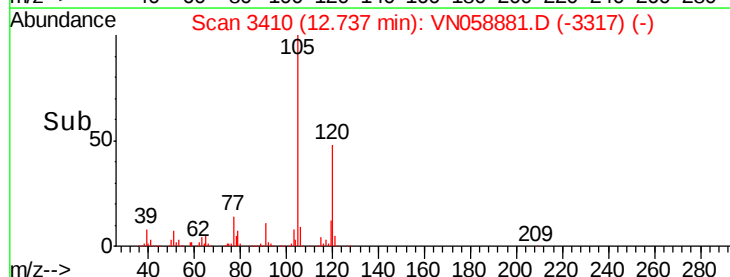
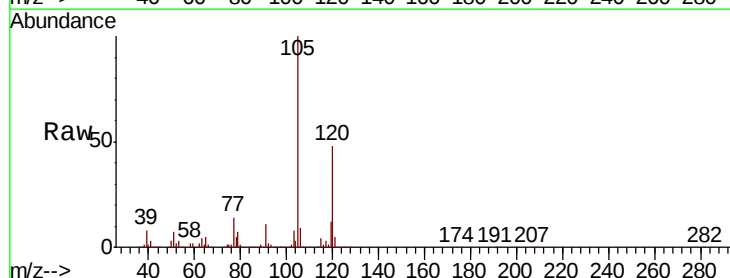
Acq: 21 Oct 2019 12:33

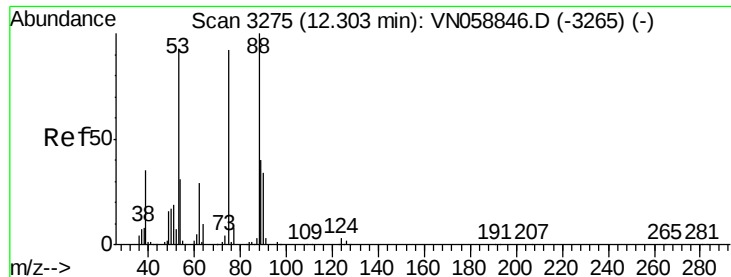
Tgt Ion: 105 Resp: 1010621

Ion Ratio Lower Upper

105 100

120 47.8 23.8 71.5

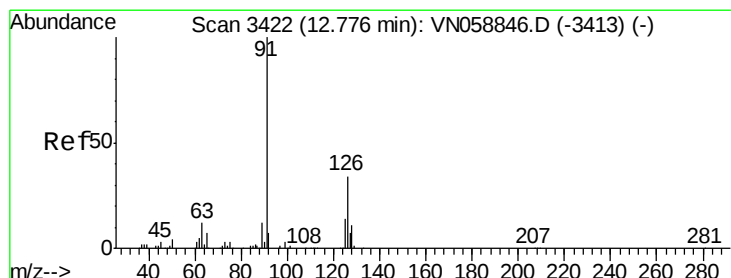
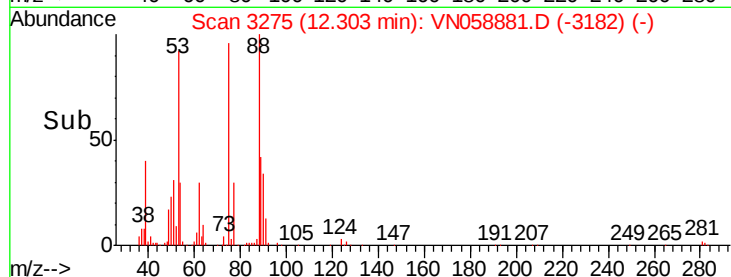
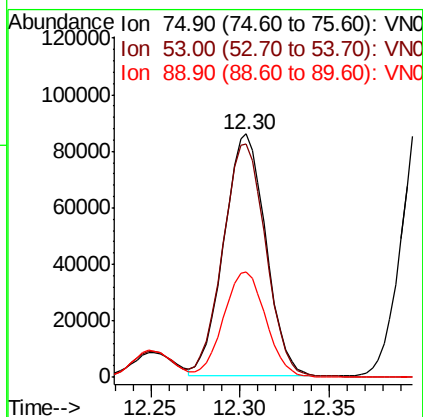
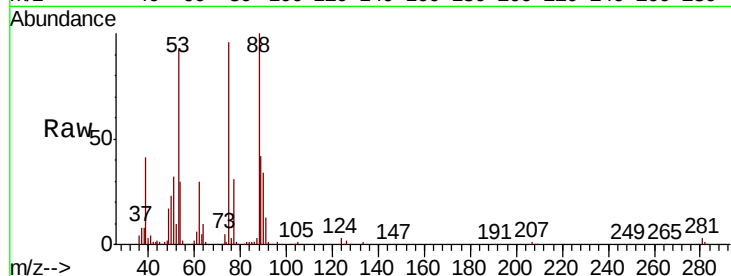




#81
trans-1,4-Dichloro-2-butene
Concen: 51.003 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

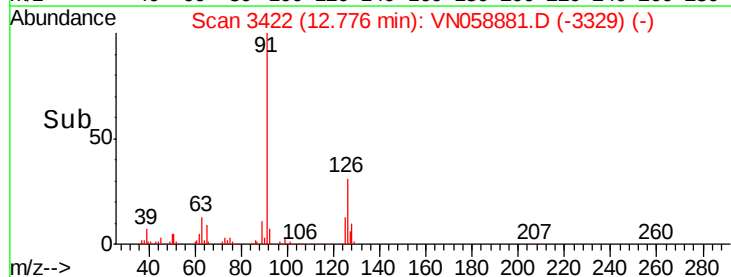
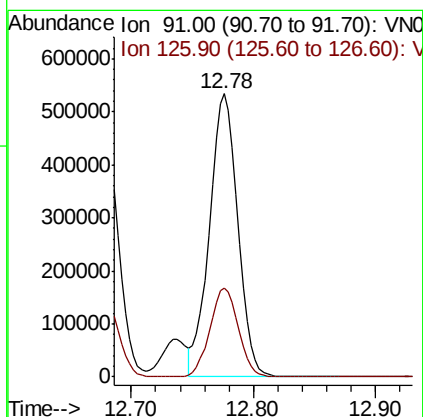
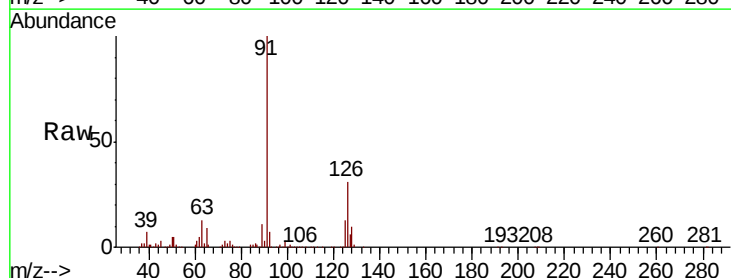
Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

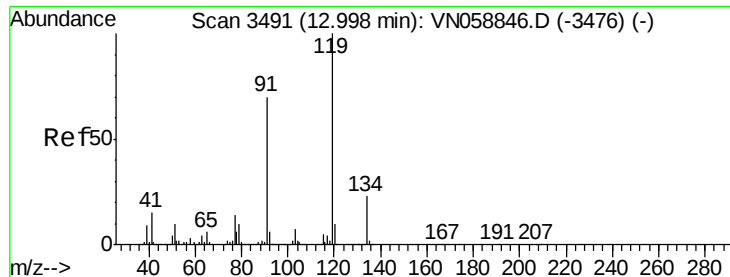
Tot Ion: 75 Resp: 140731
Ion Ratio Lower Upper
75 100
53 98.6 78.6 118.0
89 43.9 35.4 53.0



#82
4-Chlorotoluene
Concen: 51.751 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion: 91 Resp: 867226
Ion Ratio Lower Upper
91 100
126 31.5 16.0 47.9





#83

tert-Butylbenzene

Concen: 53.278 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

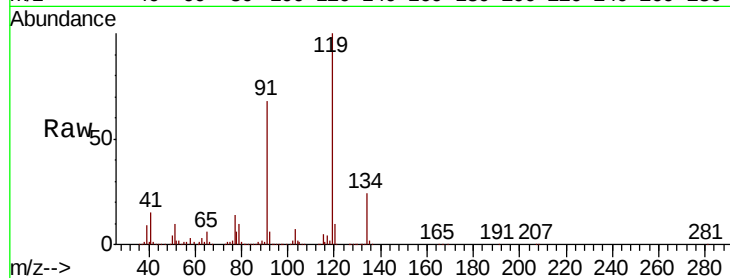
Tot Ion:119 Resp: 867631

Ion Ratio Lower Upper

119 100

91 67.5 34.1 102.3

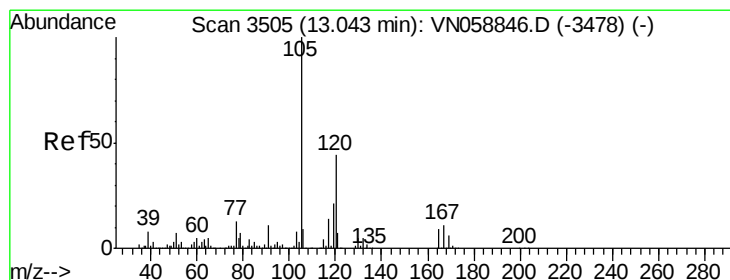
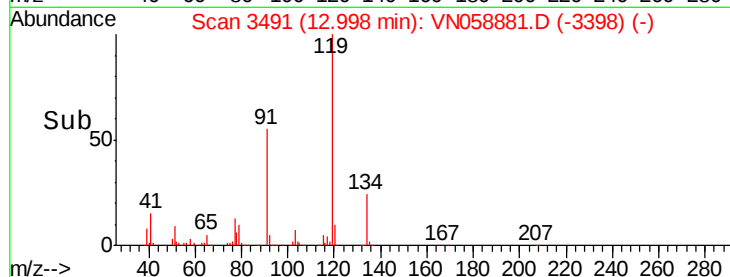
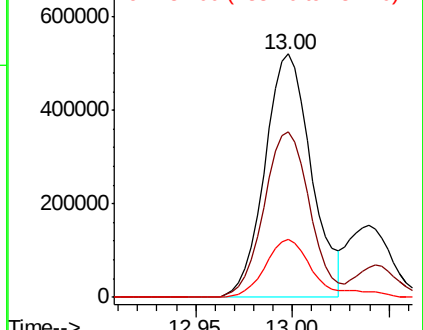
134 25.0 11.6 34.8



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: 53.719 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN058881.D

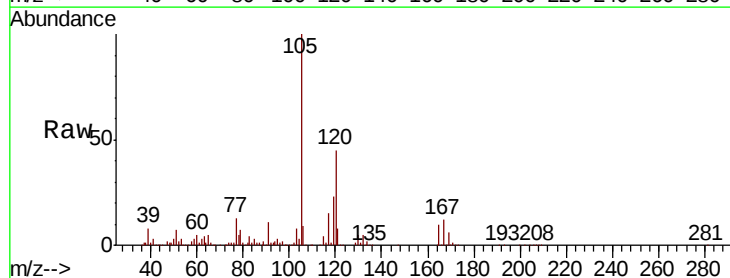
Acq: 21 Oct 2019 12:33

Tgt Ion:105 Resp: 1009050

Ion Ratio Lower Upper

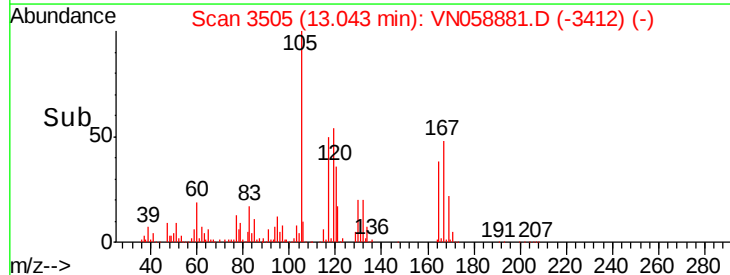
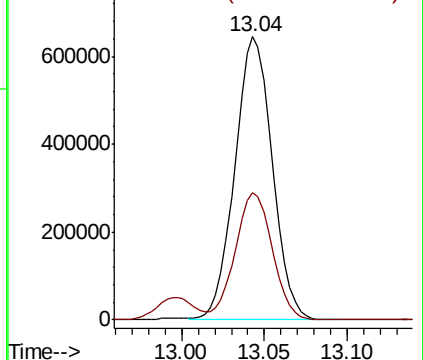
105 100

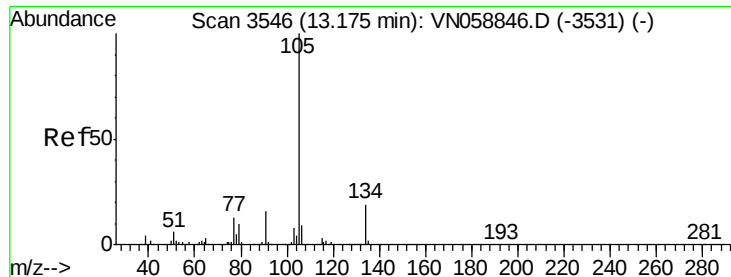
120 44.9 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.012 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

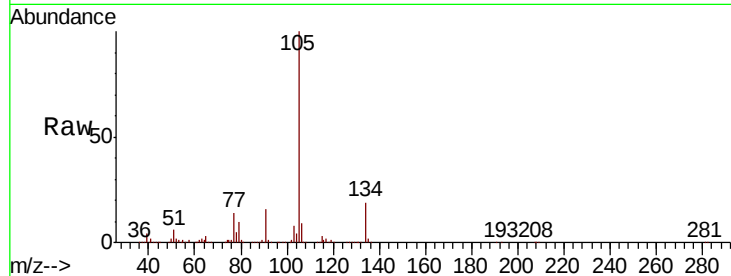
FA19-JBW7326BMSD

Tot Ion:105 Resp: 1150995

Ion Ratio Lower Upper

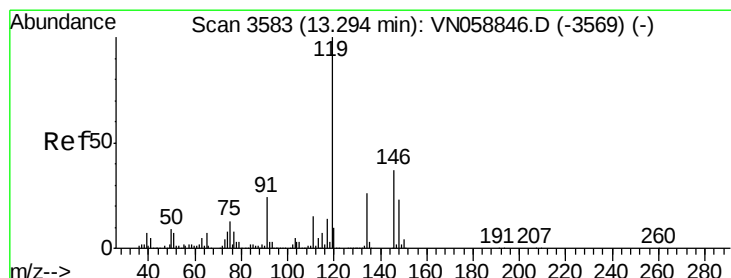
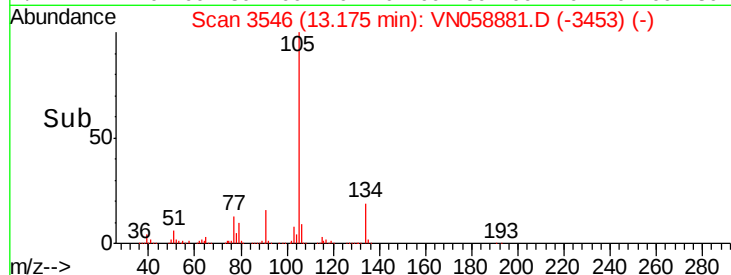
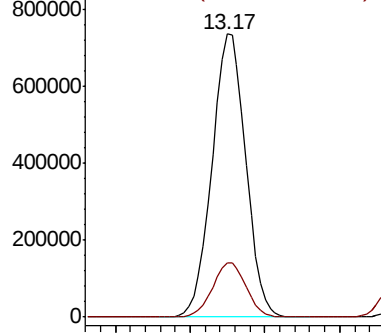
105 100

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



#86

p-Isopropyltoluene

Concen: 54.443 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

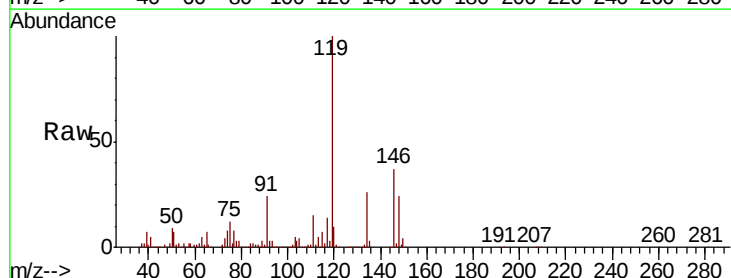
Tgt Ion:119 Resp: 1042993

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

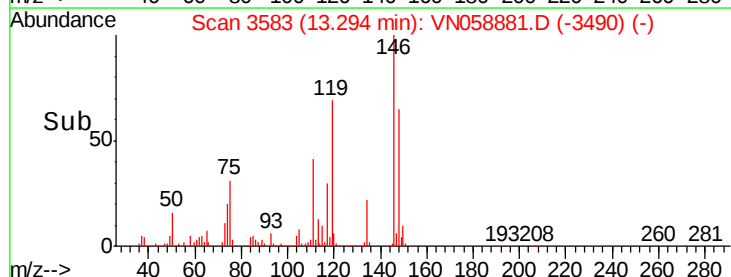
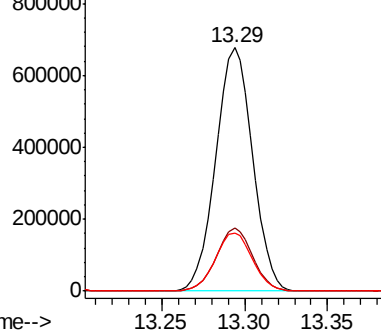
91 24.1 12.2 36.4

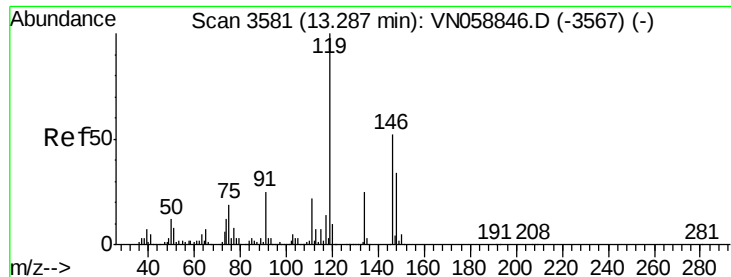


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.405 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

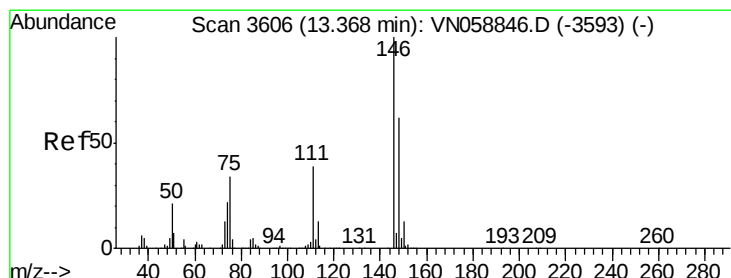
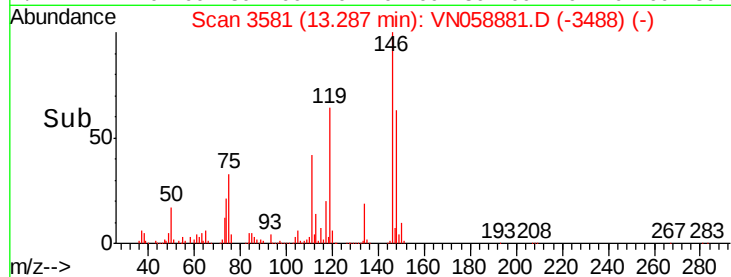
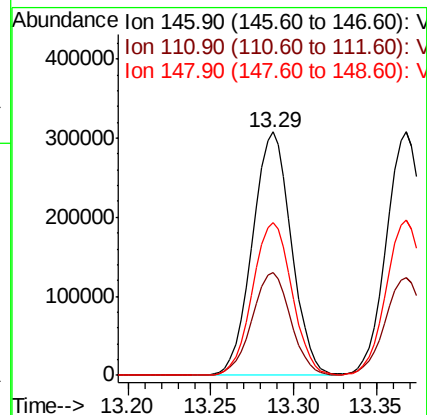
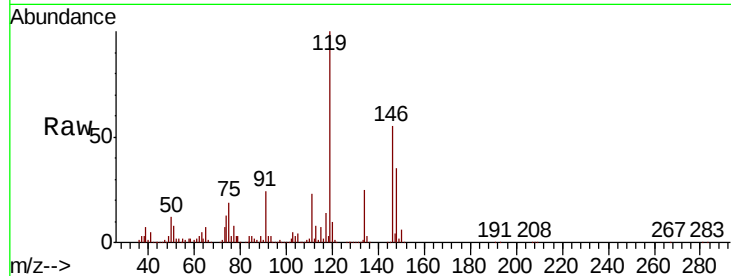
Tot Ion:146 Resp: 503531

Ion Ratio Lower Upper

146 100

111 41.9 21.0 63.0

148 63.6 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 49.538 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

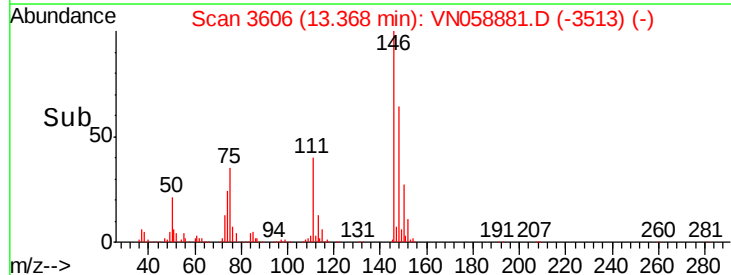
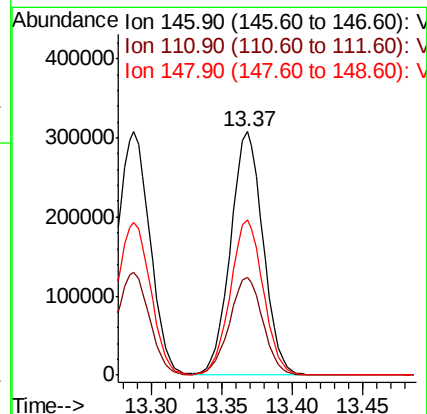
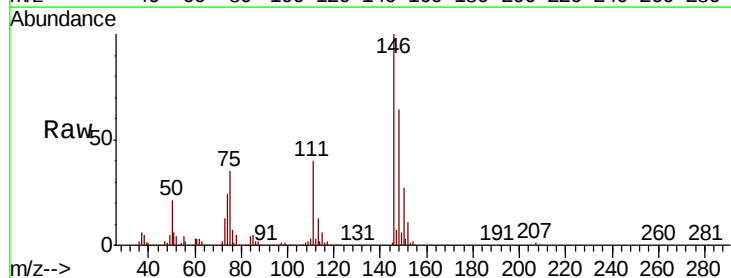
Tgt Ion:146 Resp: 495460

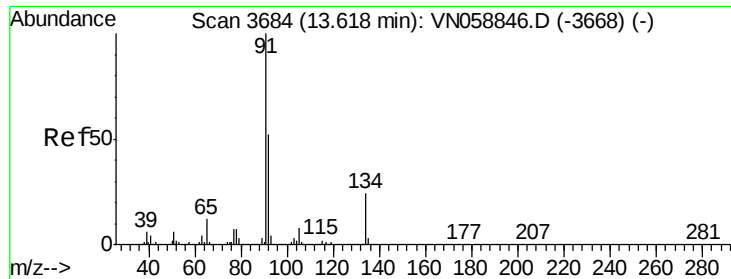
Ion Ratio Lower Upper

146 100

111 41.1 20.2 60.6

148 64.4 31.6 94.7





#89

n-Butylbenzene

Concen: 52.631 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

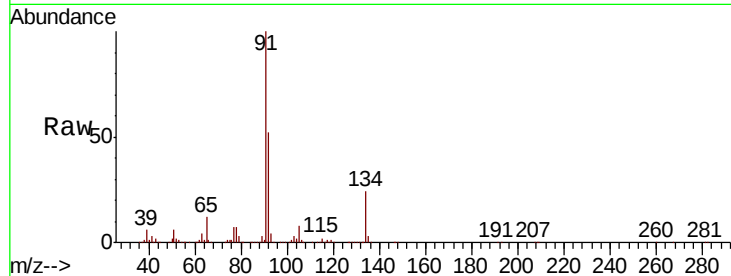
Tot Ion: 91 Resp: 926230

Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.7	77.1
134	24.2	11.9	35.5

91 100

92 51.6 25.7 77.1

134 24.2 11.9 35.5

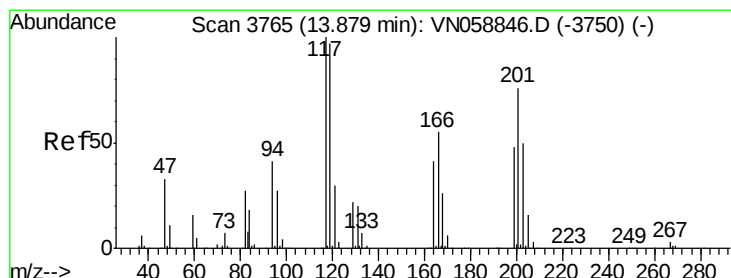
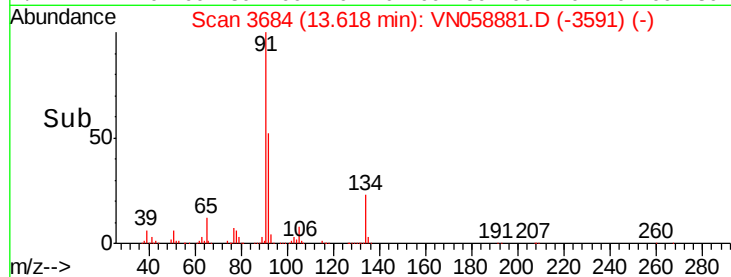
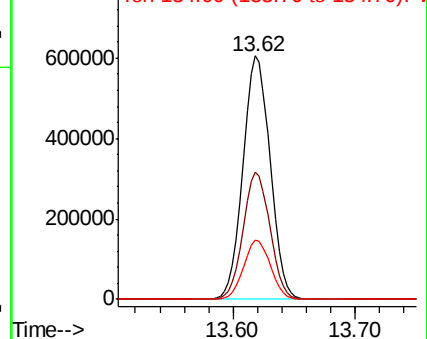


Abundance

Ion 91.00 (90.70 to 91.70): VN058881.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN058881.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN058881.D (-3668) (-)



#90

Hexachloroethane

Concen: 50.046 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058881.D

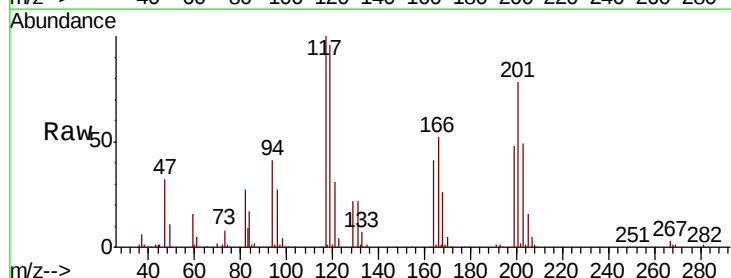
Acq: 21 Oct 2019 12:33

Tgt Ion: 117 Resp: 194277

Ion	Ratio	Lower	Upper
117	100		
201	77.6	38.9	116.6

117 100

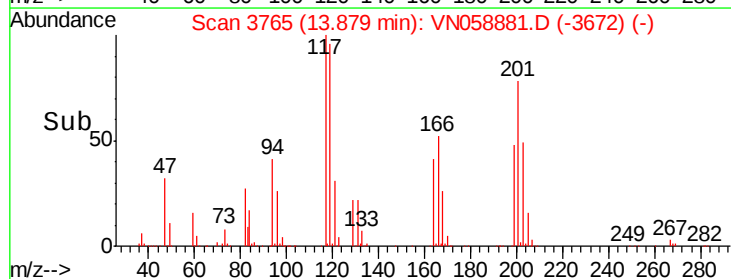
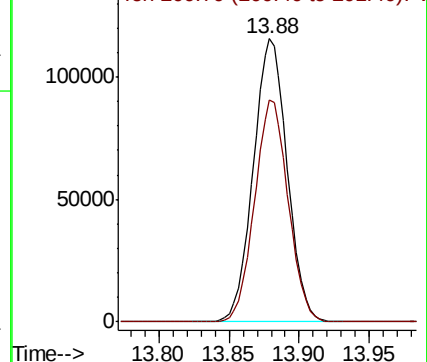
201 77.6 38.9 116.6



Abundance

Ion 116.80 (116.50 to 117.50): VN058881.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058881.D (-3750) (-)

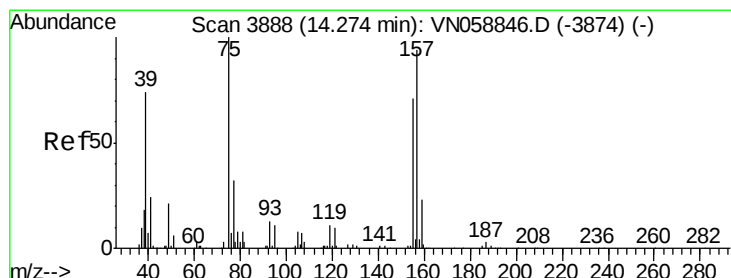
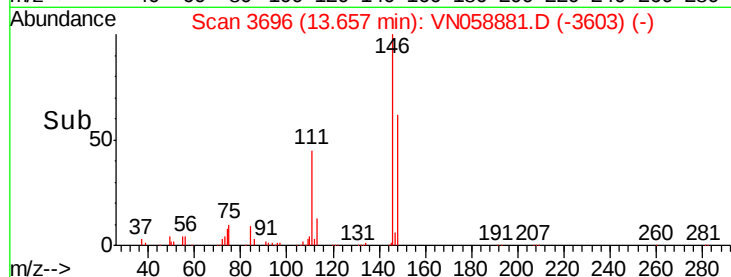
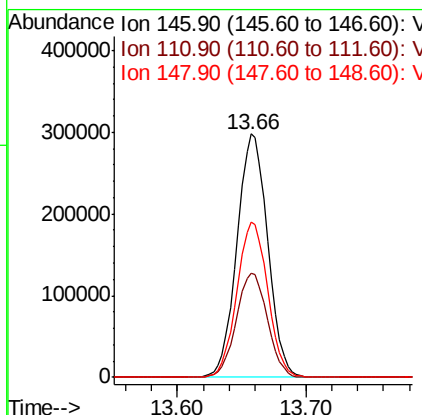
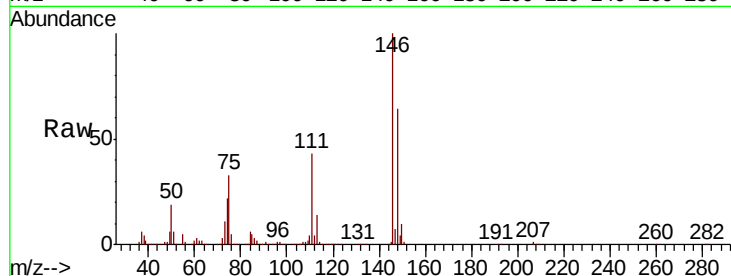




#91
 1,2-Dichlorobenzene
 Concen: 50.277 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058881.D
 Acq: 21 Oct 2019 12:33

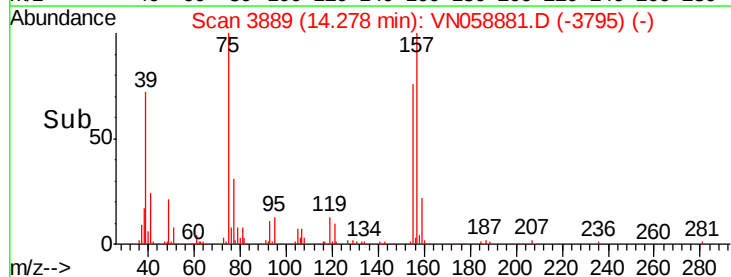
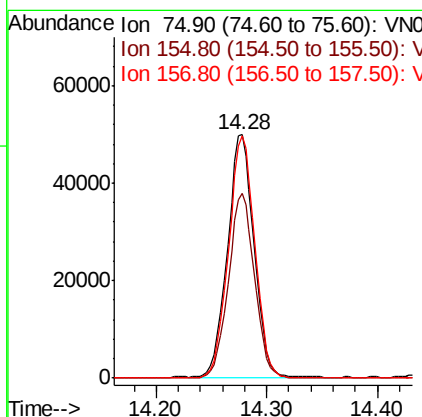
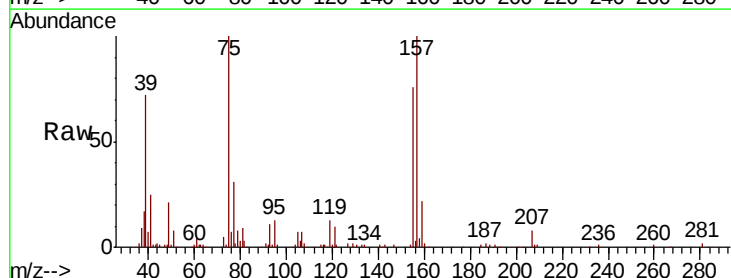
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMSD

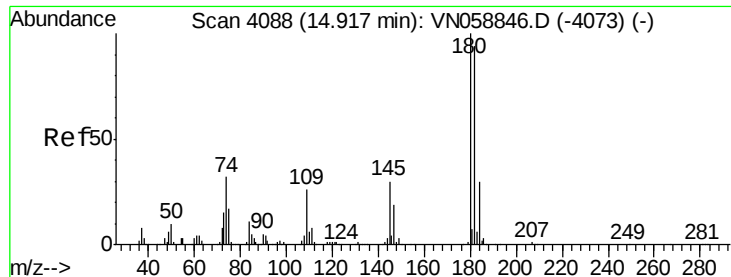
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	64.8
148	64.0	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.909 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058881.D
 Acq: 21 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.0	35.6	106.8
157	98.9	47.4	142.2

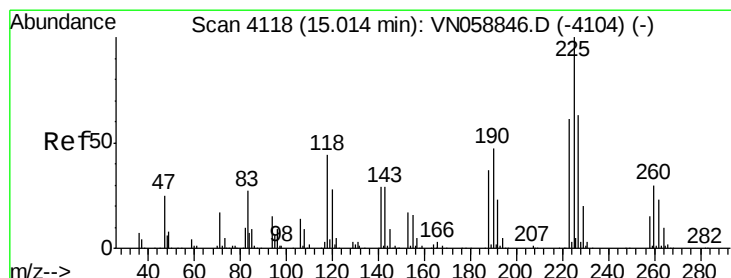
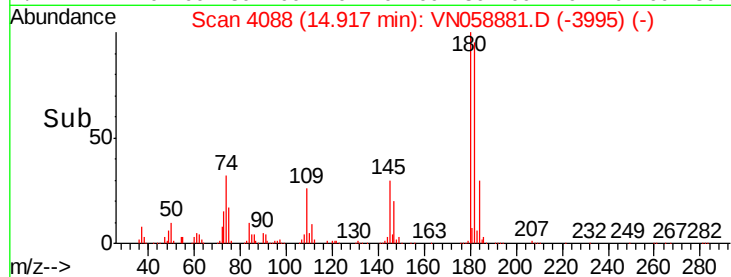
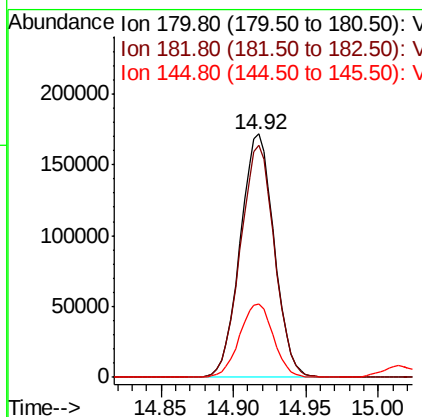
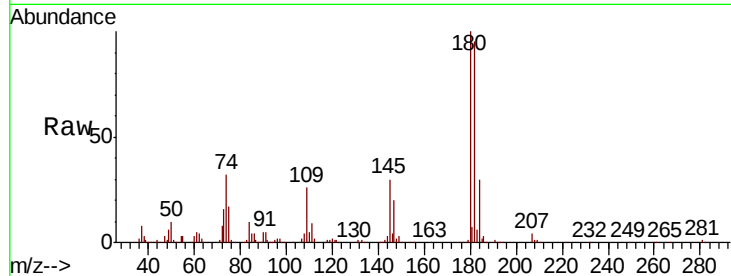




#93
 1,2,4-Trichlorobenzene
 Concen: 45.482 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058881.D
 Acq: 21 Oct 2019 12:33

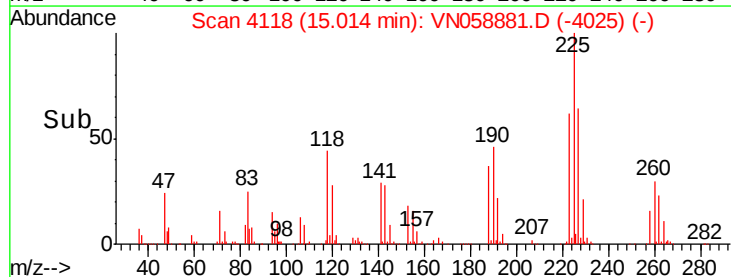
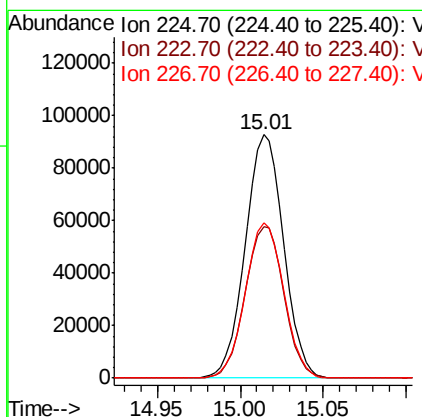
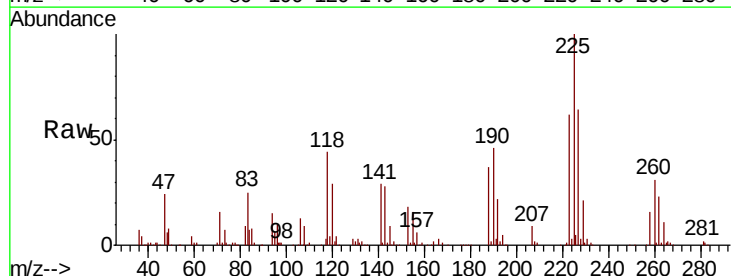
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	142.0
145	30.2	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 46.984 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058881.D
 Acq: 21 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.9	92.5
227	63.7	31.6	94.7

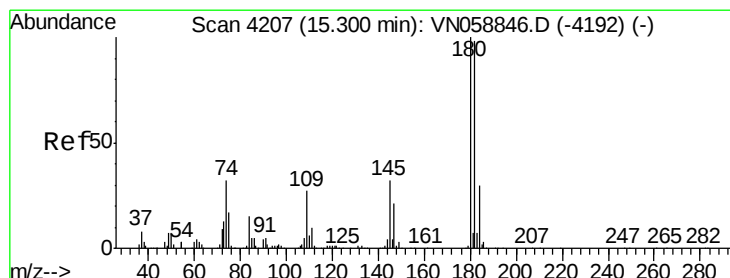
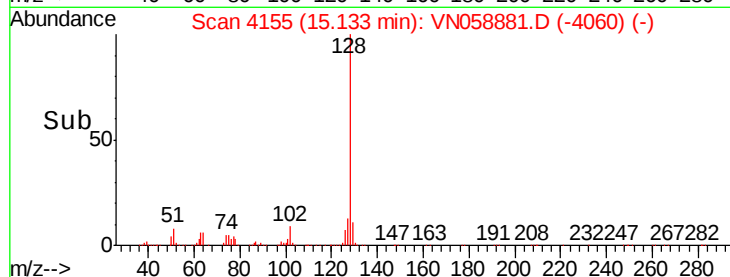
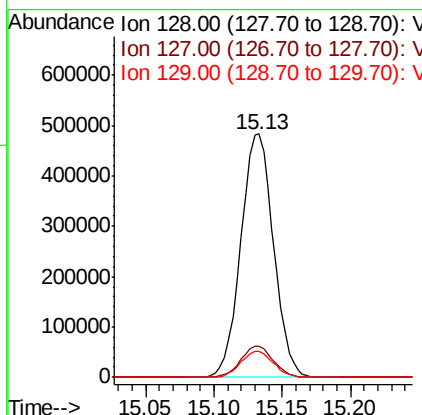
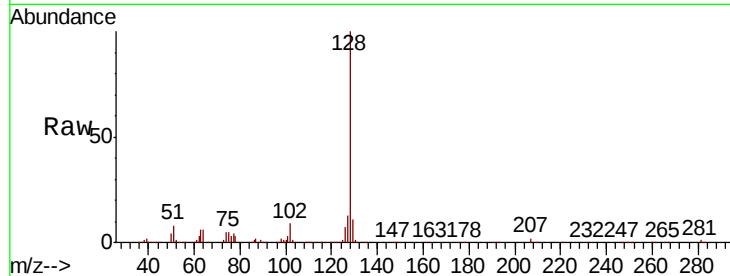




#95
Naphthalene
Concen: 45.441 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.4	12.6



#96
1,2,3-Trichlorobenzene
Concen: 45.540 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.7
145	32.1	15.9	47.7

